NEWBURGH ENLARGED CITY SCHOOL DISTRICT
PHASE 5: 2019 CAPITAL IMPROVEMENTS PROJECT

400 Old Forge Hill Rd, New Windsor, NY 12553

SED # 44-16-00-01-0-018-009

BID DOCUMENTS

DRAWING LIST

GENERAL
G000 COVER
U001 LIFE SAFETY PLAN

ABATEMENT
HZ100.4 ABATEMENT FLOOR PLAN - AREA 4 B

CIVIL
C100 EXISTING CONDITIONS
C101 SITE DEMOLITION PLAN
C200 SITE PLAN
C201 GRADING AND UTILITY PLAN
C300 GENERAL SITE NOTES
C301 DETAILS
C302 DETAILS
C303 DETAILS
C304 DETAILS

STRUCTURAL
S201 AREA A RENOVATIONS
S202 AREA 4 NEW ADDITION FOUNDATION PLAN
S203 AREA 4 NEW ADDITION ROOF FRAMING PLAN
S204 MAIN ENTRANCE CANOPY
S205 HVAC REINFORCEMENT PLAN VIEWS
S401 MAIN ENTRANCE CANOPY SECTIONS
S402 AREA 4 NEW ADDITION OVERALL SECTIONS
S403 AREA 4 NEW ADDITION FOUNDATION SECTIONS
S404 AREA 4 NEW ADDITION FRAMING SECTIONS
S800 STRUCTURAL PROJECT NOTES
S801 STRUCTURAL SCHEDULES
S802 TYPICAL STRUCTURAL DETAILS AND SECTIONS
S803 TYPICAL STRUCTURAL DETAILS AND SECTIONS

ARCHITECTURAL
A100.1 DEMOLITION FLOOR PLAN AREA 1
A100.2 DEMOLITION FLOOR PLAN AREA 2
A100.3 DEMOLITION FLOOR PLAN AREA 3
A100.4 DEMOLITION FLOOR PLAN AREA 4
A100A OVERALL ROOF PLAN - DEMOLITION
A101 ENLARGED DEMOLITION PLANS
A102 ENLARGED DEMOLITION PLANS
A103 ENLARGED DEMOLITION PLANS
A200.1 NEW WORK FLOOR PLAN AREA 1
A200.2 NEW WORK FLOOR PLAN AREA 2
A200.3 NEW WORK FOOR PLAN AREA 3
A200.4 NEW WORK FLOOR PLAN AREA 4
A200A OVERALL ROOF PLAN
A201 ENLARGED NEW WORK PLANS
A202 ENLARGED NEW WORK PLANS
A203 ENLARGED NEW WORK PLANS
A204 ENLARGED NEW WORK PLAN
A205 ENLARGED ADDITION FLOOR PLAN
A206 ENLARGED ADDITION ROOF PLAN
A207 MAIN ENTRANCE CANOPY ENLARGED PLAN & ELEVATIONS
A300 BUILDING ELEVATIONS
A400 WALL TYPES
A401 WALL TYPES
A402 WALL SECTIONS
A403 WALL SECTIONS
A600.1 RCP - AREA 1
A600.2 RCP - AREA 2
A600.3 RCP - AREA 3
A600.4 RCP - AREA 4
A601 ENLARGED CEILING PLANS
A602 ENLARGED CEILING PLANS
A603 ENLARGED CEILING PLANS
A604 ENLARGED CEILING PLANS
A700 K-12 TYP. FIXTURE AND ACCESS. HEIGHTS AND LEGENDS
A701 RESTROOM INTERIOR ELEVATIONS
A702 INTERIOR ELEVATIONS
A703 INTERIOR ELEVATIONS
A800 TYPICAL WALL SECTIONS
A801 SECTIONS & DETAILS
A802 ADDITION PLAN DETAILS
A803 ADDITION ROOF DETAILS
A804 TYPICAL CASEWORK DETAILS
A805 TYPICAL CASEWORK DETAILS
A806 TYPICAL CASEWORK DETAILS
A807 TYPICAL CASEWORK DETAILS
A808 TYPICAL CASEWORK DETAILS
A900 DOOR PANELS, FRAME TYPES & SCHEDULES
A901 DOOR & WINDOW DETAILS

INTERIORS
I000 INTERIOR FINISH SCHEDULE
I001 INTERIOR FINISH DETAILS
I002 WALL GRAPHICS SCHEDULE
I201 PARTIAL FIRST FLOOR FINISH PLAN - AREA C
I202 PARTIAL FIRST FLOOR FINISH PLAN - AREA B
I203 PARTIAL FIRST FLOOR FINISH PLAN - AREA A & AREA D
I204 PARTIAL FIRST FLOOR FINISH PLAN - AREA F
I205 NEW ADDITION FINISH PLAN
I301 PARTIAL FIRST FLOOR PATTERN PLAN - AREA B
I303 PARTIAL FIRST FLOOR PATTERN PLAN -AREA A
I304 NEW ADDITION FLOOR PATTERN PLAN
I304A NEW ADDITION FLOOR PATTERN PLAN - ALTERNATE GC-06

THEATRICAL
TL101 CAFETORIUM THEATRICAL LIGHTING SYSTEM REMOVAL PLANS
TL301 CAFETORIUM THEATRICAL LIGHTING SYSTEM CONTROL PLANS
TL302 CAFETORIUM THEATRICAL LIGHTING SYSTEM FIXTURE PLAN
TL401 CAFETORIUM THEATRICAL LIGHTING SYSTEM SINGLE LINE FLOW DIAGRAM
TL501 CAFETORIUM THEATRICAL LIGHTING SYSTEM DETAIL
TL502 CAFETORIUM THEATRICAL LIGHTING SYSTEM DETAILS
TL601 CAFETORIUM THEATRICAL LIGHTING SYSTEM NOTES, KEYS & SCHEDULES
TR101 CAFETORIUM THEATRICAL RIGGING SYSTEM REMOVAL PLANS
TR301 CAFETORIUM THEATRICAL RIGGING SYSTEM BATTEN & CURTAIN PLANS
TR302 CAFETORIUM THEATRICAL RIGGING SYSTEM SECTION
TR501 CAFETORIUM THEATRICAL RIGGING SYSTEM DETAILS
TR502 CAFETORIUM THEATRICAL RIGGING SYSTEM DETAILS
TR503 CAFETORIUM THEATRICAL RIGGING SYSTEM DETAILS
TR601 CAFETORIUM THEATRICAL RIGGING SYSTEM NOTES, KEYS AND SCHEDULES

HVAC
H000 HVAC SYMBOLS LEGEND AND CONTRACTOR NOTES
H101.1 GROUND FLOOR PLAN AREA 1 DEMOLITION PLAN
H101.2 GROUND FLOOR PLAN AREA 2 DEMOLITION PLAN
H101.3 GROUND FLOOR PLAN AREA 3 DEMOLITION PLAN
H101.4 GROUND FLOOR PLAN AREA 4 DEMOLITION PLAN
H102 ROOF DEMOLITION PLAN
H201.1 GROUND FLOOR PLAN AREA 1 DUCTWORK PLAN
H201.2 GROUND FLOOR PLAN AREA 2 DUCTWORK PLAN
H201.3 GROUND FLOOR PLAN AREA 3 DUCTWORK PLAN
H201.4 GROUND FLOOR PLAN AREA 4 DUCTWORK PLAN
H202 ROOF HVAC DUCTWORK AND PIPING PLAN
H301.1 GROUND FLOOR PLAN AREA 1 PIPING PLAN
H301.2 GROUND FLOOR PLAN AREA 2 PIPING PLAN
H301.3 GROUND FLOOR PLAN AREA 3 PIPING PLAN
H301.4 GROUND FLOOR PLAN AREA 4 PIPING PLAN
H500 HVAC CONTROLS
H501 HVAC CONTROLS
H800 HVAC DETAILS
H801 HVAC DETAILS
H802 HVAC DETAILS
H900 HVAC SCHEDULES
H901 HVAC SCHEDULES
H902 HVAC SCHEDULES
H903 HVAC SCHEDULES

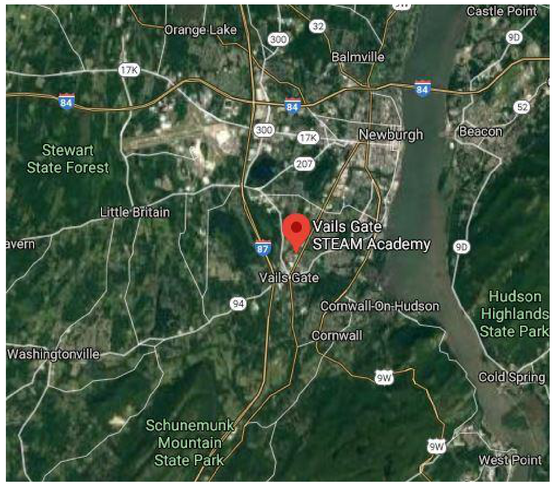
PLUMBING
P101 AREA A, B, C, & G DEMO PLAN
P201 AREA A, D & F NEW WORK PLAN
P202 AREA B & C NEW WORK PLAN
P203 ADDITION NEW WORK PLAN
P801 DETAILS

ELECTRICAL
E000 ELECTRICAL SYMBOLS LEGEND & NOTES
E001 SINGLE LINE DIAGRAMS
E002 ELECTRICAL SITE DEMOLITION PLAN
E003 ELECTRICAL SITE NEW WORK PLAN
E100.1 ELECTRICAL DEMOLITION FLOOR PLAN AREA 1
E100.2 ELECTRICAL DEMOLITION FLOOR PLAN AREA 2
E100.3 ELECTRICAL DEMOLITION FLOOR PLAN AREA 3
E100.4 ELECTRICAL DEMOLITION FLOOR PLAN AREA 4
E100.5 ELECTRICAL DEMOLITION FLOOR PLAN CAFETERIA BAFFELS AND LIGHTING REPLACEMENT ALTERNATE EC-02
E200.1 POWER FLOOR PLAN AREA 1
E200.2 POWER FLOOR PLAN AREA 2
E200.3 POWER FLOOR PLAN AREA 3
E200.4 POWER FLOOR PLAN AREA 4
E200.5 POWER FLOOR PLAN CAFETERIA BAFFELS AND LIGHTING REPLACEMENT ALTERNATE EC-02
E201 POWER ROOF PLAN
E300.1 LIGHTING FLOOR PLAN AREA 1
E300.2 LIGHTING FLOOR PLAN AREA 2
E300.3 LIGHTING FLOOR PLAN AREA 3
E300.4 LIGHTING FLOOR PLAN AREA 4
E300.5 LIGHTING FLOOR PLAN CAFETERIA BAFFELS AND LIGHTING REPLACEMENT ALTERNATE EC-02
E400.1 SYSTEMS FLOOR PLAN AREA 1
E400.2 SYSTEMS FLOOR PLAN AREA 2
E400.3 SYSTEMS FLOOR PLAN AREA 3
E400.4 SYSTEMS FLOOR PLAN AREA 4
E400.5 SYSTEMS FLOOR PLAN CAFETERIA BAFFELS AND LIGHTING REPLACEMENT ALTERNATE EC-02
E800 ELECTRICAL DETAILS
E801 ELECTRICAL DETAILS
E900 SCHEDULES
E901 PANEL SCHEDULES
E902 PANEL SCHEDULES

ABBREVIATIONS LIST

AFF	ABOVE FINISHED FLOOR	DIA	DIAMETER	GR	GRADE, GRADING	MET	METAL	SAN	SANITARY
AP	ACCESS PANEL	DIM	DIMENSION	GSF	GROSS SQUARE FOOT	M	METER	SCHED	SCHEDULE
ACOUS	ACOUSTICAL	DISP	DISPENSER	GWB	GYPSUM WALL BOARD	MEZZ	MEZZANINE	SEC	SECOND
ADJ	ADJACENT	DSP	DISPOSAL	GYP	GYPSUM	MIN	MINIMUM	SECT	SECTION
ACT	ACOUSTICAL CEILING TILE	DO	DITTO, REPEAT, SAME	GYP BD	GYPSUM BD	MISC	MISCELLANEOUS	SIM	SIMILAR
AWP	ACOUSTICAL WALL PANEL	DR	DOOR			MR	MOISTURE RESISTANT	STC	SOUND TRANSMISSION COEFFICIENT
A/C	AIR CONDITIONING	DBL	DOUBLE	HDWR	HARDWARE	MTD	MOUNTED	SPEC	SPECIFICATION
ALT	ALTERNATE	DN	DOWN	HDWD	HARDWOOD	MTL	METAL	SQ	SQUARE
ALUM	ALUMINUM	DS	DOWNSPOUT	HVAC	HEATING, VENTILATING & AIR CONDITIONING			SS	STAINLESS STEEL
AB	ANCHOR BOLT	DT	DRAIN TILE			NAT	NATURAL	STD	STANDARD
ANOD	ANODIZED	DWR	DRAWER	HT, HGT	HEIGHT	NRC	NOISE REDUCTION COEFFICIENT	STL	STEEL
APPROX	APPROXIMATE	DWG	DRAWING	HEX	HEXAGONAL			STOR	STORAGE
ARCH	ARCHITECT, ARCHITECTURAL	DF	DRINKING FOUNTAIN	HWY	HIGHWAY	NOM	NOMINAL	STRUCT	STRUCTURE, STRUCTURAL
AD	AREA DRAIN			HM	HOLLOW METAL	N	NORTH	SGFT	STRUCTURAL GLAZED FACING TILE
@	AT	EA	EACH	HORZ	HORIZONTAL	NIC	NOT IN CONTRACT	ST. STL	STRUCTURAL STEEL
AUTO	AUTOMATIC	EF	EACH FACE	HB	HOSE BIBB	NTS	NOT TO SCALE	SUSP	SUSPENDED
		EW	EACH WAY	HW	HOT WATER	NO. #	NUMBER	SAT	SUSPENDED ACOUSTICAL TILE
BM	BEAM	E	EAST	HR	HOUR				
BP	BEARING PLATE	ELEC	ELECTRICAL			OC	ON CENTER	TEL	TELEPHONE
BM	BENCH MARK	ELEV	ELEVATION	IN	INCH	OPNG	OPENING	TEMP	TEMPERATURE
BITUM	BITUMINOUS	EL	ELEVATOR	INCL	INCLUDING	OD	OUTSIDE DIAMETER	THK	THICKNESS
BLKG	BLOCKING	EMER	EMERGENCY	ID	INSIDE DIAMETER	OH	OVERHEAD	TPD	TOILET PAPER DISPENSER
BLK	BLOCK	ENCL	ENCLOSURE	INSUL	INSULATION			TOS	TOP OF SLAB/STEEL
BD	BOARD	ENTR	ENTRANCE	INT	INTERIOR	PR	PAIR	TOW	TOP OF WALL
BOT	BOTTOM	EQ	EQUAL	INTERM	INTERMEDIATE	PTR	PAPER TOWEL RECEPTOR	TYP	TYPICAL
BRK	BRICK	EQUIP	EQUIPMENT	INV	INVERT	PKG	PARKING		
BLDG	BUILDING	EST	ESTIMATE(D)			PART BD	PARTICLE BOARD	UNFIN	UNFINISHED
BN	BULLNOSE	EXHST	EXHAUST	JAN	JANITOR	PART	PARTITION	UNO	UNLESS NOTED OTHERWISE
		EXIST	EXISTING	JS	JANITOR SINK	PL	PROPERTY LINE	U	URINAL
CAB	CABINET	EXP	EXPANSION	JT	JOINT	PL	PLATE	VEN	VENEER
CI	CAST IRON	EJ	EXPANSION JOINT			PLBG	PLUMBING	VIF	VERIFY IN FIELD
CB	CATCH BASIN			KIT	KITCHEN	PLYWD	PLYWOOD	VEST	VESTIBULE
CLG	CEILING	FAB	FABRICATE			PRE FAB	PREFABRICATED	VOL	VOLUME
CLG HT	CEILING HEIGHT	FT	FEET	LBL	LABEL	PRT	PRESSURE TREATED		
CL	CENTER LINE	FIG	FIGURE	LAB	LABORATORY	PT	PAINT(ED)	WC	WATER CLOSET
CER	CERAMIC	FIN	FINISH	LAM	LAMINATE(D)	PVC	POLYVINYL CHLORIDE	WT	WEIGHT
CB	CHALK BOARD	FF	FINISH FLOOR	LAV	LAVATORY	PC CONC	PRECAST CONCRETE	WWF	WELDED WIRE FABRIC
CIRC	CIRCUMFERENCE	FEC	FIRE EXTINGUISHER CABINET	LYR	LAYER	PVMT	PAVEMENT	WWM	WELDED WIRE MESH
CO	CLEAN OUT	FH	FIRE HOSE	LDR	LEADER			WIND	WINDOW
CLR	CLEAR	FL, FLR	FLOOR	LH	LEFT HAND	QTY	QUANTITY	W/	WITH
COL	COLUMN	FD	FLOOR DRAIN	LIB	LIBRARY			W/O	WITHOUT
CONC	CONCRETE	FTG	FOOTING	LT	LIGHT	RAD	RADIUS	WD	WOOD
CMU	CONCRETE MASONRY UNIT	FND	FOUNDATION	LW	LIGHT WEIGHT	RECP	RECEPTACLE	W	WEST
CONST	CONSTRUCTION	FS	FULL SIZE			REF	REFERENCE		
CJT	CONSTRUCTION JOINT	FUT	FUTURE	MACH	MACHINE	REFR	REFRIGERATOR	YD	YARD
CONT	CONTINUOUS			MH	MAN HOLE	RE:	REFER TO		
CONTR	CONTRACTOR	GALV	GALVANIZED	MHC	MAN HOLE COVER	REINF	REINFORCED(ING)		
CJ	CONTROL JOINT	G	GAS	MFR	MANUFACTURE	REQ'D	REQUIRED		
		GA	GAUGE	MFRR	MANUFACTURER	REV	REVISED		
DP	DAMP PROOFING	GEN	GENERAL	MAS	MASONRY	RH	RIGHT HAND		
DEMO	DEMOLISH	GC	GENERAL CONTRACTOR	MO	MASONRY OPENING	R	RISER		
DEPT	DEPARTMENT	GL	GLASS, GLAZING	MAT	MATERIALS	RD	ROOF DRAIN		
DET,DTL	DETAIL	GB	GRAB BAR	MAX	MAXIMUM	RM	ROOM		
				MECH	MECHANICAL	RO	ROUGH OPENING		

LOCATION MAP



CAMPUS SITE



MATERIAL PATTERNS

	EARTH		BRICK		RIGID INSULATION
	GYPSUM BOARD		STEEL		BATT OR LOOSE INSULATION
	GRAVEL TYPE 1 (ENGINEERED FILL)		GROUT		CAVITY DRAINAGE MAT
	PRECAST CONCRETE		ROUGH WOOD BLOCKING		ALUMINUM
	CRUSHED STONE		ROUGH WOOD BLOCKING, NON-CONTINUOUS		STANDING SEAM ROOF
	CONCRETE MASONRY UNIT (CMU)		WOOD, FINISHED WOODWORK		CONCRETE
	METAL STUD PARTITION		PLYWOOD (LARGE SCALE)		TERRAZZO

GRAPHIC SYMBOLS

A	COLUMN CENTERLINE A	1i	PARTITION TYPE SEE PARTITION LEGEND		PROPERTY LINE
3 SIM / A201	DETAIL #3 ON SHEET A201	4	REVISION NO. 1		FENCE
1 SIM / A101	SECTION #1 ON SHEET A101	+ 100.75	EXISTING SPOT ELEVATION		EXISTING TREE TO REMAIN
ROOM NAME / XXX	ROOM NAME & NUMBER XXX	+ 100.75	FINISHED SPOT ELEVATION		EXISTING TREE TO BE REMOVED
3 / A701 / 2	INTERIOR ELEVATIONS #2 AND # 3 ON SHEET A501	100	EXISTING CONTOURS		BENCHMARK
3 / A301	EXTERIOR ELEVATION #3 ON SHEET A301	100	FINISHED CONTOURS	A	KEYNOTE SYMBOL

300 / 30" 12"	CASEWORK TAG
A	ACCESSORY TAG
W1	WINDOW TAG (TYPE LETTER)
1i	EQUIPMENT SYMBOL (NUMBER)
1000-1	DOOR TAG
1 / A101	DETAIL NAME 1/8" = 1'-0"

CLIENT

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PROJECT INFORMATION

Project Number
13940.20

Client Name
NEWBURGH ENLARGED CITY SCHOOL DISTRICT

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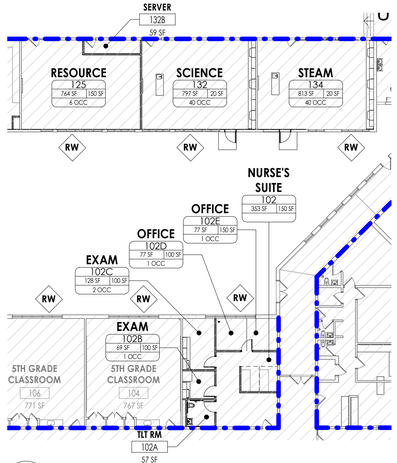
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Drawing Title
COVER

VG
G000

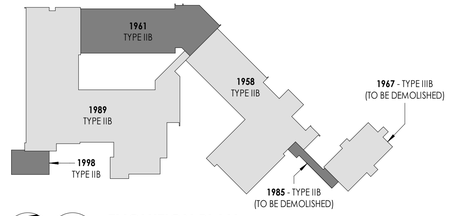
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2 U001 **LIFE SAFETY PLAN - ALTERNATE WORK**

1" = 20'-0"

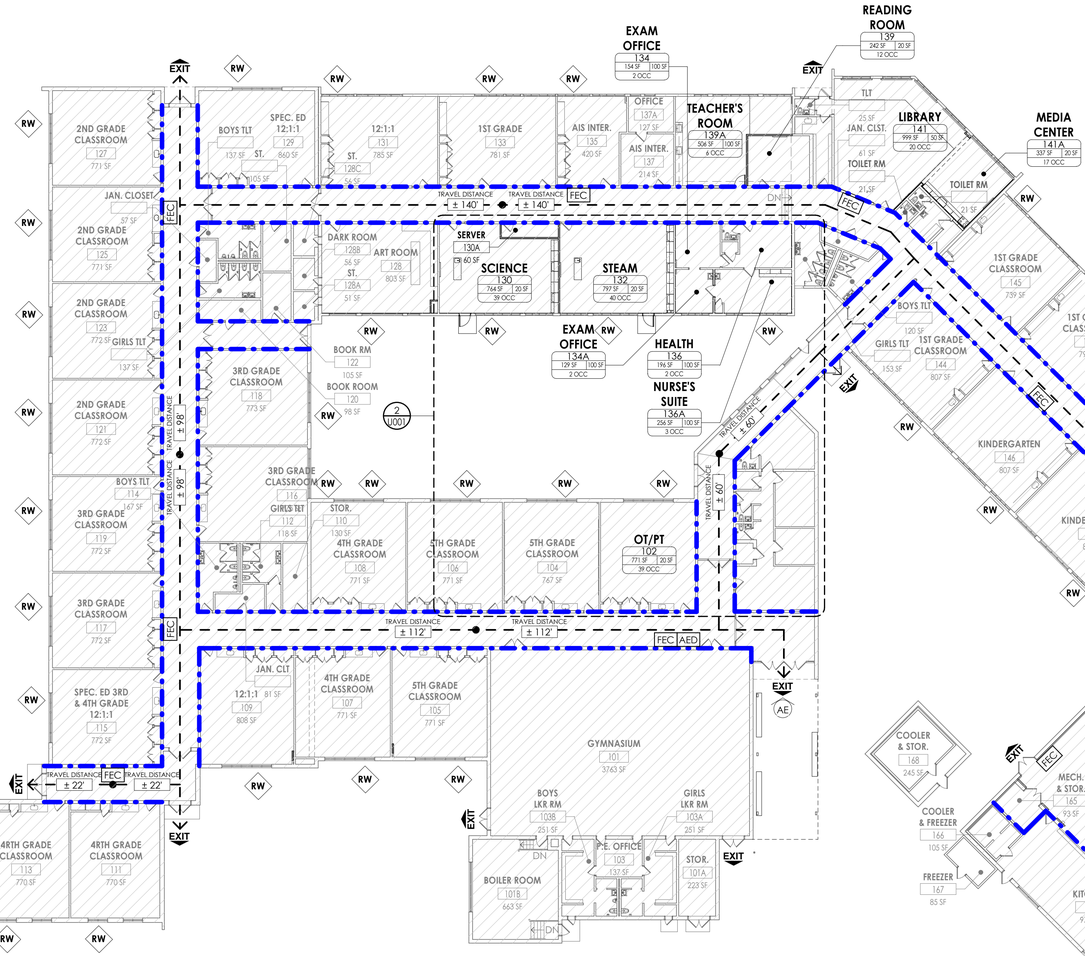
TRUE NORTH



EVOLUTION PLAN

1" = 100'-0"

TRUE NORTH



1 U001 **OVERALL LIFE SAFETY PLAN - BASE BID**

1" = 20'-0"

TRUE NORTH

SYMBOL LEGEND

AE	ACCESSIBLE BUILDING ENTRANCE
EXIT	EXIT
EAD	EXIT ACCESS DOOR
RW	RESCUE WINDOW
FS	FIRE SHUTTER
TRAVEL DISTANCE X'-X"	TRAVEL DISTANCE (150'-0" MAX. PERMITTED)
	1 HOUR RATED FIRE BARRIER
	2 HOUR RATED FIRE BARRIER
	2 HOUR RATED FIREWALL
	SMOKE BARRIER
AED	AUTOMATED EXTERNAL DEFRIBULATOR
FEC	NEW FIRE EXTINGUISHER CABINET
NFE	FIRE EXTINGUISHER CABINET
ANSI	ACCESSIBLE WORK STATION/SINK/FIXTURE
A.B.	ADA BENCH
A.L.	ADA LOCKER
A.S.	ADA SHOWER

CLASSIFICATION OF WORK KEY

AREAS OF ALTERATION - LEVEL 2: REPLACE EXISTING HVAC WORK BUILDING WIDE, & AREAS OF RENOVATION.

ADDITION: 5,730 SQ. FT.

LIFE SAFETY ROOM TAG KEY

ROOM NAME

ROOM AREA IN SQUARE FEET (SF) — ROOM NO. / --- SF / --- OCC — SQUARE FEET (SF) PER OCCUPANT

ALLOWABLE OCCUPANT LOAD (SF OF ROOM / SF PER OCCUPANT)

DOOR EXIT DISCHARGE TAG KEY

EGRESS WIDTH (INCHES) — DOOR --" / --" — OCCUPANT LOAD CAPACITY

ANTICIPATED OCCUPANT LOAD

ENERGY CONSERVATION CONSTRUCTION CODE REQUIREMENTS

BASED ON THE 2020 ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE

CLIMATE ZONE (TABLE C301.1): 5A - ORANGE COUNTY, NEW YORK

ENVELOPE REQUIREMENTS (TABLE C402.1.3):

	REQUIRED	PROVIDED
ROOF		
INSULATION ABOVE DECK	R-30ci	R-30ci
METAL BUILDINGS	R-19 + R-11LS	N A
ATTIC AND OTHER	R-38	N A
ABOVE GRADE WALLS		
MASS	R-11.4ci	R-12.1ci
METAL BUILDINGS	R-13 + R-13ci	N A
METAL FRAMED	R-13 + R-7.5ci	N A
WOOD FRAMED AND OTHER	R-13 + R-3.8ci or R-20	N A
BELOW GRADE WALLS		
ALL WALL TYPES	R-7.5ci	N A
FLOORS		
MASS	R-10ci	N A
JOIST FRAMING	R-30	N A
SLAB-ON-GRADE FLOORS		
UNHEATED SLABS	R-10 FOR 24" BELOW	R-10
HEATED SLABS	R-15 FOR 36" BELOW + R-5 FULL SLAB	N A
OPAQUE DOORS		
NON SWINGING	R-4.75	N A

FENESTRATION REQUIREMENTS (TABLE C402.4):

	REQUIRED	PROVIDED
U-FACTOR - VERTICAL FENESTRATION		
FIXED FENESTRATION	0.38	0.38
OPERABLE FENESTRATION	0.45	0.31
ENTRANCE DOORS	0.77	0.77
SHGC - VERTICAL FENESTRATION		
ORIENTATION		
PF < 0.2	0.38	0.38
0.2 ≤ PF < 0.5	0.46	N A
PF ≥ 0.5	0.61	N A
SKYLIGHTS		
U-FACTOR	0.50	N A
SHGC	0.40	N A

BUILDING CODE INFORMATION

BASED ON THE 2020 BUILDING CODE OF NEW YORK STATE

BUILDING OCCUPANCY (§305.1): E - EDUCATIONAL

CONSTRUCTION CLASSIFICATION (§602): TYPE IIB

BUILDING HEIGHT & AREA LIMITATIONS (§503):

ALLOWABLE HEIGHT IN FEET (TABLE 504.3): 55'-0"
ACTUAL HEIGHT IN FEET: 33'-0"

ALLOWABLE NUMBER OF STORIES (TABLE 504.4): TWO
ACTUAL NUMBER OF STORIES: ONE

ALLOWABLE BUILDING AREA PER FLOOR IN SQUARE FEET (TABLE 506.2): 14,500 SF
ACTUAL BUILDING AREA PER FLOOR IN SQUARE FEET:

EXISTING	
FIRST FLOOR (BEFORE DEMOLITION)	64,960 SF
FIRST FLOOR (AFTER DEMOLITION)	58,960 SF
ADDITION	
FIRST FLOOR	4,252 SF
BUILDING GRAND TOTAL:	63,212 SF

NOTE: NEW ADDITION SEPARATED FROM EXISTING BUILDING VIA 2-HOUR FIRE RATED FIRE WALL

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LIFE SAFETY PLAN

VG
U001

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SURVEY SYMBOL LEGEND

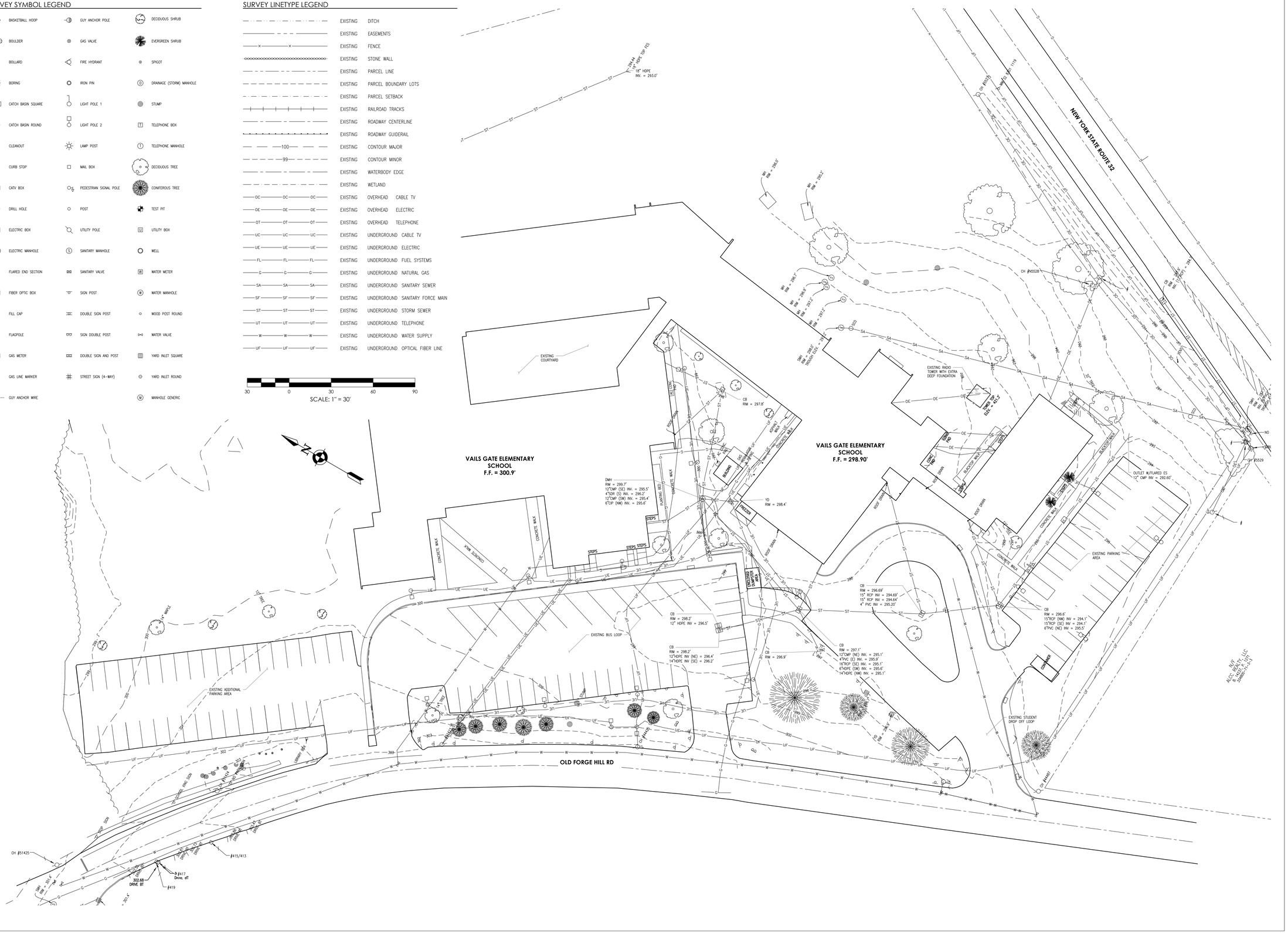
- BASKETBALL HOOP
- BOULDER
- BOLLARD
- BORING
- CATCH BASIN SQUARE
- CATCH BASIN ROUND
- CLEANOUT
- CURB STOP
- CATV BOX
- DRILL HOLE
- ELECTRIC BOX
- ELECTRIC MANHOLE
- FLARED END SECTION
- FIBER OPTIC BOX
- FILL CAP
- FLAGPOLE
- GAS METER
- GAS LINE MARKER
- GUY ANCHOR WIRE
- GUY ANCHOR POLE
- GAS VALVE
- FIRE HYDRANT
- IRON PIN
- LIGHT POLE 1
- LIGHT POLE 2
- LAMP POST
- MAIL BOX
- PEDESTRIAN SIGNAL POLE
- POST
- UTILITY POLE
- SANITARY MANHOLE
- SANITARY VALVE
- SIGN POST
- DOUBLE SIGN POST
- SIGN DOUBLE POST
- DOUBLE SIGN AND POST
- STREET SIGN (4-WAY)
- DECIDUOUS SHRUB
- EVERGREEN SHRUB
- SPIGOT
- DRAINAGE (STORM) MANHOLE
- STUMP
- TELEPHONE BOX
- TELEPHONE MANHOLE
- DECIDUOUS TREE
- CONIFEROUS TREE
- TEST PIT
- UTILITY BOX
- WELL
- WATER METER
- WATER MANHOLE
- WOOD POST ROUND
- WATER VALVE
- YARD INLET SQUARE
- YARD INLET ROUND
- MANHOLE GENERIC

SURVEY LINETYPE LEGEND

- EXISTING DITCH
- EXISTING EASEMENTS
- EXISTING FENCE
- EXISTING STONE WALL
- EXISTING PARCEL LINE
- EXISTING PARCEL BOUNDARY LOTS
- EXISTING PARCEL SETBACK
- EXISTING RAILROAD TRACKS
- EXISTING ROADWAY CENTERLINE
- EXISTING ROADWAY GUIDERAIL
- EXISTING CONTOUR MAJOR
- EXISTING CONTOUR MINOR
- EXISTING WATERBODY EDGE
- EXISTING WETLAND
- EXISTING OVERHEAD CABLE TV
- EXISTING OVERHEAD ELECTRIC
- EXISTING OVERHEAD TELEPHONE
- EXISTING UNDERGROUND CABLE TV
- EXISTING UNDERGROUND ELECTRIC
- EXISTING UNDERGROUND FUEL SYSTEMS
- EXISTING UNDERGROUND NATURAL GAS
- EXISTING UNDERGROUND SANITARY SEWER
- EXISTING UNDERGROUND SANITARY FORCE MAIN
- EXISTING UNDERGROUND STORM SEWER
- EXISTING UNDERGROUND TELEPHONE
- EXISTING UNDERGROUND WATER SUPPLY
- EXISTING UNDERGROUND OPTICAL FIBER LINE

30 0 30 60 90

SCALE: 1" = 30'



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PROJECT INFORMATION

Project Number
13940.20

Client Name
NEWBURGH ENLARGED CITY SCHOOL DISTRICT

Project Name
PHASE 5: 2019 CAPITAL IMPROVEMENTS PROJECT
SED # 44-16-00-01-0-018-009

Project Address
400 Old Forge Hill Rd, New Windsor NY 12553

PROJECT REVISION SCHEDULE

No.	Date	Description

IT IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW AND THE COMMISSIONER'S REGULATIONS FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ARCHITECT, ENGINEER OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE SEAL OF AN ARCHITECT, ENGINEER OR SURVEYOR IS ALTERED, THE ALTERING PARTY SHALL AFFIX TO THE ITEM THEIR SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

SHEET INFORMATION

Issued	Scale
9/27/2021	1" = 30'

Project Status
BID DOCUMENTS

Drawn By	Checked By
SHC	JB

Drawing Title
EXISTING CONDITIONS

Drawing Number
VG
C100

Plotted By: Jason Condon
Date last plotted: 9/23/2021 2:24 PM
Date last accessed: 9/22/2021 3:28 PM
Sheet size: 30x42
Drawing Name: S:\Projects\Newburgh ECSD\Vails Gate ES Addtn & Reno\D Design\06 CAD\AutoCAD\Civil\C1\Vails Gate Existing Conditions and Demo.dwg
Scale

SURVEY SYMBOL LEGEND

BASKETBALL HOOP	GUY ANCHOR POLE	DECIDUOUS SHRUB
BOULDER	GAS VALVE	EVERGREEN SHRUB
BOLLARD	FIRE HYDRANT	SPIGOT
BORING	IRON PIN	DRAINAGE (STORM) MANHOLE
CATCH BASIN SQUARE	LIGHT POLE 1	STUMP
CATCH BASIN ROUND	LIGHT POLE 2	TELEPHONE BOX
CLEANOUT	LAMP POST	TELEPHONE MANHOLE
CURB STOP	MAIL BOX	DECIDUOUS TREE
CATV BOX	PEDESTRIAN SIGNAL POLE	CONIFEROUS TREE
DRILL HOLE	POST	TEST PIT
ELECTRIC BOX	UTILITY POLE	UTILITY BOX
ELECTRIC MANHOLE	SANITARY MANHOLE	WELL
FLARED END SECTION	SANITARY VALVE	WATER METER
FIBER OPTIC BOX	SIGN POST	WATER MANHOLE
FILL CAP	DOUBLE SIGN POST	WOOD POST ROUND
FLAGPOLE	SIGN DOUBLE POST	WATER VALVE
GAS METER	DOUBLE SIGN AND POST	YARD INLET SQUARE
GAS LINE MARKER	STREET SIGN (4-WAY)	YARD INLET ROUND
GUY ANCHOR WIRE		MANHOLE GENERIC

SURVEY LINETYPE LEGEND

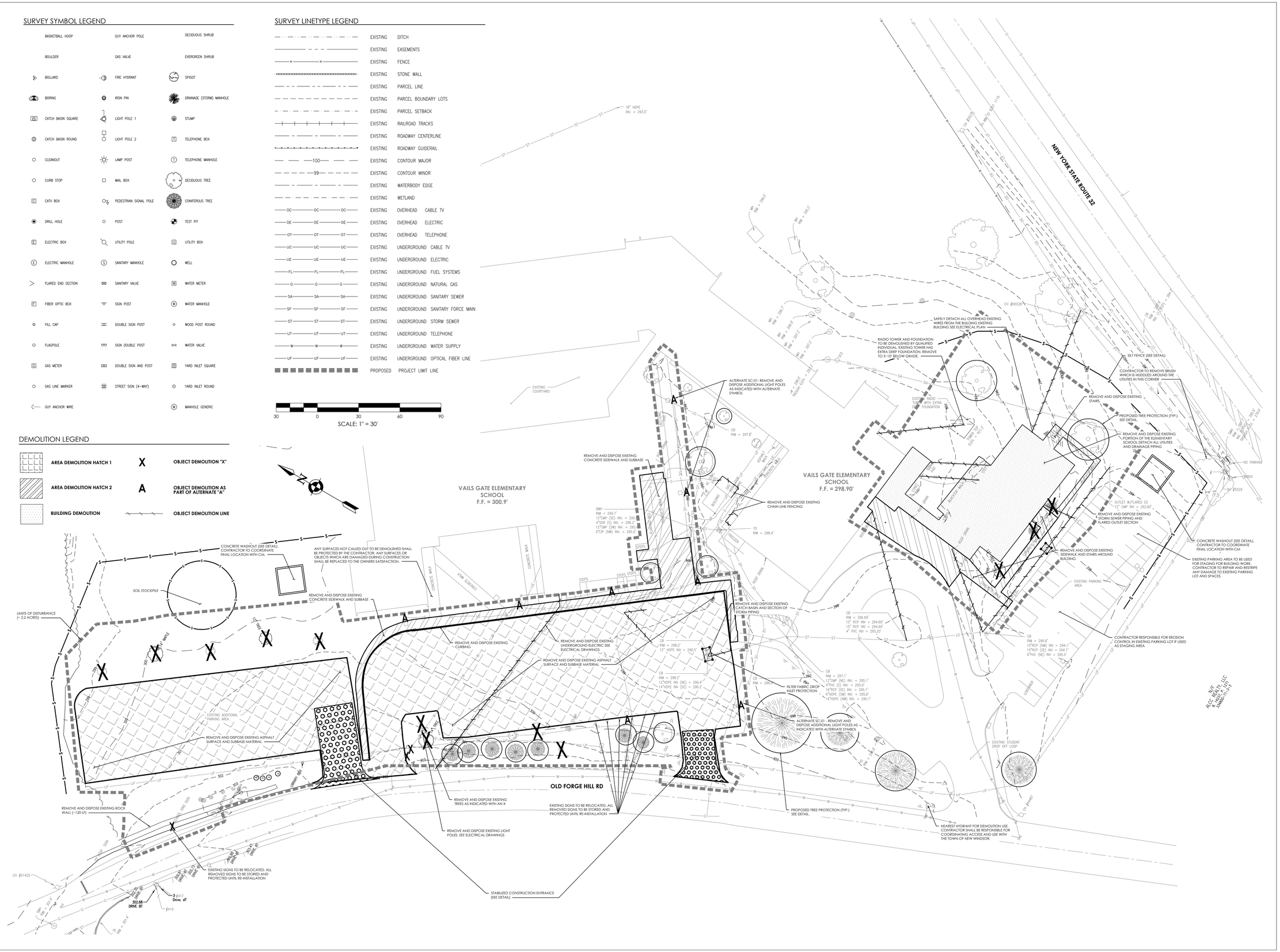
EXISTING	DITCH
EXISTING	EASEMENTS
EXISTING	FENCE
EXISTING	STONE WALL
EXISTING	PARCEL LINE
EXISTING	PARCEL BOUNDARY LOTS
EXISTING	PARCEL SETBACK
EXISTING	RAILROAD TRACKS
EXISTING	ROADWAY CENTERLINE
EXISTING	ROADWAY GUIDERAIL
EXISTING	CONTOUR MAJOR
EXISTING	CONTOUR MINOR
EXISTING	WATERBODY EDGE
EXISTING	WETLAND
EXISTING	OVERHEAD CABLE TV
EXISTING	OVERHEAD ELECTRIC
EXISTING	OVERHEAD TELEPHONE
EXISTING	UNDERGROUND CABLE TV
EXISTING	UNDERGROUND ELECTRIC
EXISTING	UNDERGROUND FUEL SYSTEMS
EXISTING	UNDERGROUND NATURAL GAS
EXISTING	UNDERGROUND SANITARY SEWER
EXISTING	UNDERGROUND SANITARY FORCE MAIN
EXISTING	UNDERGROUND STORM SEWER
EXISTING	UNDERGROUND TELEPHONE
EXISTING	UNDERGROUND WATER SUPPLY
EXISTING	UNDERGROUND OPTICAL FIBER LINE
PROPOSED	PROJECT LIMIT LINE

30 0 30 60 90

SCALE: 1" = 30'

DEMOLITION LEGEND

- AREA DEMOLITION HATCH 1
- AREA DEMOLITION HATCH 2
- BUILDING DEMOLITION
- OBJECT DEMOLITION "X"
- OBJECT DEMOLITION AS PART OF ALTERNATE "A"
- OBJECT DEMOLITION LINE


NEW YORK STATE ROUTE 32
VAILS GATE ELEMENTARY SCHOOL F.F. = 300.9'
VAILS GATE ELEMENTARY SCHOOL F.F. = 298.90'
OLD FORGE HILL RD
SAFELY DETACH ALL OVERHEAD EXISTING WIRES FROM THE BUILDING EXISTING BUILDING SEE ELECTRICAL PLAN
RADIO TOWER AND FOUNDATION TO BE DEMOLISHED BY QUALIFIED INDIVIDUAL. EXISTING TOWER HAS EXTRA DEEP FOUNDATION. REMOVE TO 5'-10" BELOW GRADE.
ALTERNATE SC-01- REMOVE AND DISPOSE ADDITIONAL LIGHT POLES AS INDICATED WITH ALTERNATE SYMBOL
REMOVE AND DISPOSE EXISTING CONCRETE SIDEWALK AND SUBBASE
REMOVE AND DISPOSE EXISTING CHAIN LINK FENCING
REMOVE AND DISPOSE EXISTING CURBING
REMOVE AND DISPOSE EXISTING UNDERGROUND ELECTRIC SEE ELECTRICAL DRAWINGS
REMOVE AND DISPOSE EXISTING ASPHALT SURFACE AND SUBBASE MATERIAL
REMOVE AND DISPOSE EXISTING CATCH BASIN AND SECTION OF STORM PIPING
REMOVE AND DISPOSE EXISTING TREES AS INDICATED WITH AN X
REMOVE AND DISPOSE EXISTING LIGHT POLES. SEE ELECTRICAL DRAWINGS
EXISTING SIGNS TO BE RELOCATED. ALL REMOVED SIGNS TO BE STORED AND PROTECTED UNTIL RE-INSTALLATION
REMOVE AND DISPOSE EXISTING ROCK WALL (~120 LF)
CONCRETE WASHOUT (SEE DETAIL) CONTRACTOR TO COORDINATE FINAL LOCATION WITH CM.
ANY SURFACES NOT CALLED OUT TO BE DEMOLISHED SHALL BE PROTECTED BY THE CONTRACTOR. ANY SURFACES OR OBJECTS WHICH ARE DAMAGED DURING CONSTRUCTION SHALL BE REPLACED TO THE OWNERS SATISFACTION.
SOIL STOCKPILE
LIMITS OF DISTURBANCE (~2.2 ACRES)
EXISTING ADDITIONAL PARKING AREA
STABILIZED CONSTRUCTION ENTRANCE (SEE DETAIL)
FILTER FABRIC DROP INLET PROTECTION
PROPOSED TREE PROTECTION (TYP.) SEE DETAIL.
NEAREST HYDRANT FOR DEMOLITION USE. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ACCESS AND USE WITH THE TOWN OF NEW WINDSOR.
SILT FENCE (SEE DETAIL)
CONTRACTOR TO REMOVE BRUSH WHICH IS HUDDLED AROUND THE UTILITIES IN THIS CORNER
REMOVE AND DISPOSE EXISTING STAIRS
REMOVE AND DISPOSE EXISTING PORTION OF THE ELEMENTARY SCHOOL DETACH ALL UTILITIES AND DRAINAGE PIPING
REMOVE AND DISPOSE EXISTING STORM SEWER PIPING AND FLARED OUTLET SECTION
REMOVE AND DISPOSE EXISTING SIDEWALK AND STAIRS AROUND BUILDING
CONCRETE WASHOUT (SEE DETAIL), CONTRACTOR TO COORDINATE FINAL LOCATION WITH CM.
EXISTING PARKING AREA TO BE USED FOR STAGING FOR BUILDING WORK. CONTRACTOR TO REPAIR AND RESTRIPE ANY DAMAGE TO EXISTING PARKING LOT AND SPACES
CONTRACTOR RESPONSIBLE FOR EROSION CONTROL IN EXISTING PARKING LOT IF USED AS STAGING AREA
ALTERNATE SC-01 - REMOVE AND DISPOSE ADDITIONAL LIGHT POLES AS INDICATED WITH ALTERNATE SYMBOL
EXISTING STUDENT DROP OFF LOOP
N/F BLACK REALTY, LLC 42 OLD FORGE HILL LLC SBL 5-1-73.2
NO PARKING
EXISTING PARKING AREA
EXISTING COURTYARD
EXISTING RADIO TOWER WITH EXTRA DEEP FOUNDATION
18" HDPE INV. = 293.0'
CB RIM = 297.8'
DMH RIM = 299.3' 12"CMP (SE) INV. = 295.1 4"PDP (E) INV. = 296.2 12"CMP (SW) INV. = 295.1 6"CIP (NW) INV. = 295.5
YD RIM = 298.4'
CB RIM = 298.2' 12" HDPE INV. = 296.5'
CB RIM = 298.2' 12"HDPE INV (NE) = 296.4' 14"HDPE INV (SE) = 296.2'
CB RIM = 297.1' 12"CMP (NE) INV. = 295.1' 4"PVC (E) INV. = 295.9' 15"RCP (SE) INV. = 295.1' 6"HDPE (SW) INV. = 295.6' 14"HDPE (NW) INV. = 295.1'
CB RIM = 296.69' 15" RCP INV = 294.69' 15" RCP INV = 294.64' 4" PVC INV = 295.20'
CB RIM = 296.6' 15"RCP (NW) INV = 294.1' 15"RCP (SE) INV = 294.1' 6"PVC (NE) INV = 295.5'
CB RIM = 296.7' INV = 296.0'
MH RIM = 296.0'
MH RIM = 295.2'
MH RIM = 296.7' INV = 296.0'
MH RIM = 297.2' INV = 297.0'
CB RIM = 296.8' INV = 294.8'
CB RIM = 297.2' INV = 294.2'
CB RIM = 297.2' INV = 294.2'
CB RIM = 297.2' INV = 294.2

DESIGN SYMBOL LEGEND

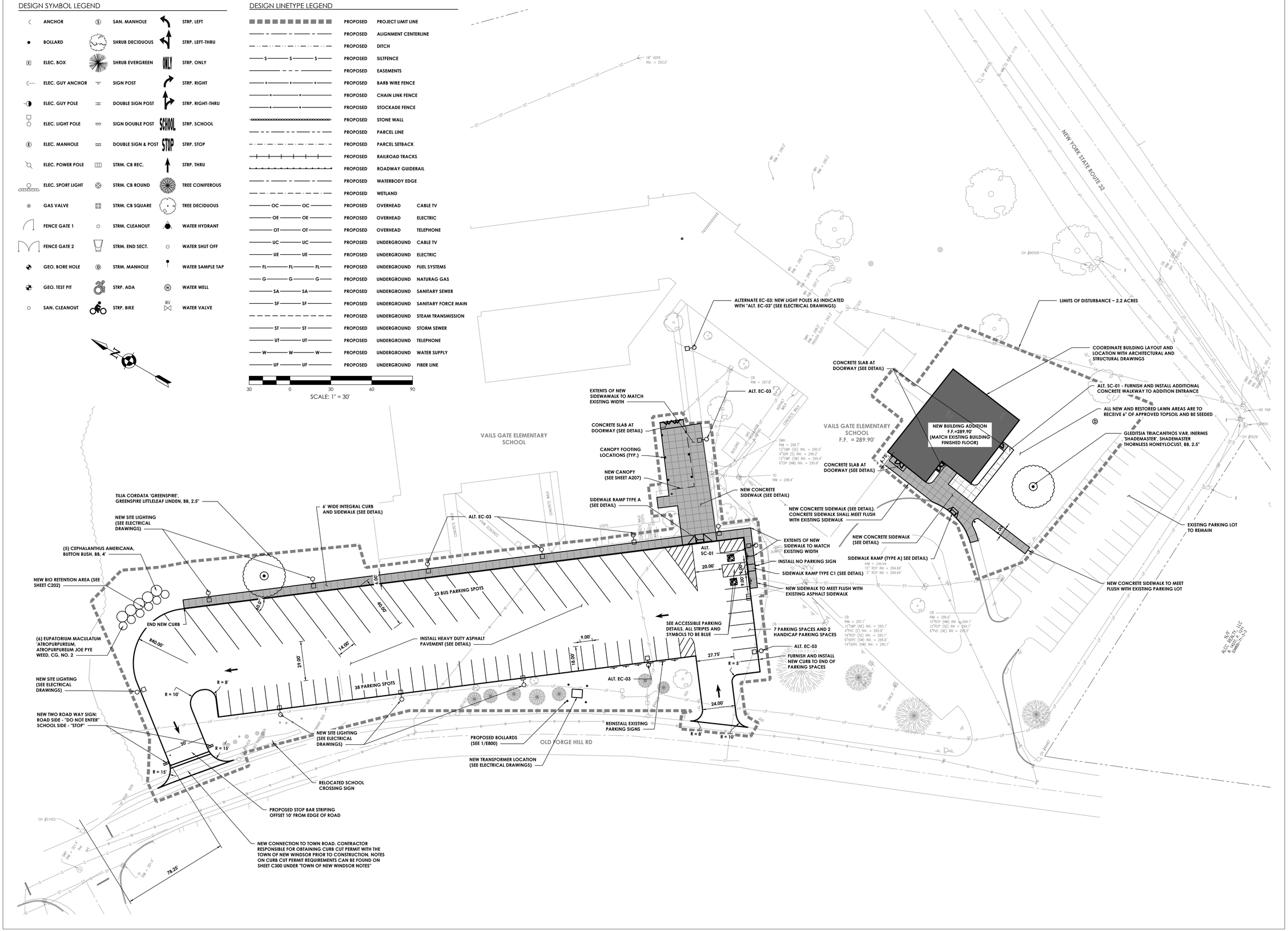
ANCHOR	SAN. MANHOLE		STRP. LEFT
BOLLARD	SHRUB DECIDUOUS		STRP. LEFT-THRU
ELEC. BOX	SHRUB EVERGREEN	ONLY	STRP. ONLY
ELEC. GUY ANCHOR	SIGN POST		STRP. RIGHT
ELEC. GUY POLE	DOUBLE SIGN POST		STRP. RIGHT-THRU
ELEC. LIGHT POLE	SIGN DOUBLE POST	SCHOOL	STRP. SCHOOL
ELEC. MANHOLE	DOUBLE SIGN & POST	STOP	STRP. STOP
ELEC. POWER POLE	STRM. CB REC.		STRP. THRU
ELEC. SPORT LIGHT	STRM. CB ROUND		TREE CONIFEROUS
GAS VALVE	STRM. CB SQUARE		TREE DECIDUOUS
FENCE GATE 1	STRM. CLEANOUT		WATER HYDRANT
FENCE GATE 2	STRM. END SECT.		WATER SHUT OFF
GEO. BORE HOLE	STRM. MANHOLE		WATER SAMPLE TAP
GEO. TEST PIT	STRP. ADA		WATER WELL
SAN. CLEANOUT	STRP. BIKE	WV	WATER VALVE

DESIGN LINETYPE LEGEND

PROPOSED	PROJECT LIMIT LINE		
PROPOSED	ALIGNMENT CENTERLINE		
PROPOSED	DITCH		
PROPOSED	SILTFENCE		
PROPOSED	EASEMENTS		
PROPOSED	BARB WIRE FENCE		
PROPOSED	CHAIN LINK FENCE		
PROPOSED	STOCKADE FENCE		
PROPOSED	STONE WALL		
PROPOSED	PARCEL LINE		
PROPOSED	PARCEL SETBACK		
PROPOSED	RAILROAD TRACKS		
PROPOSED	ROADWAY GUIDERAIL		
PROPOSED	WATERBODY EDGE		
PROPOSED	WETLAND		
PROPOSED	OVERHEAD	CABLE TV	
PROPOSED	OVERHEAD	ELECTRIC	
PROPOSED	OVERHEAD	TELEPHONE	
PROPOSED	UNDERGROUND	CABLE TV	
PROPOSED	UNDERGROUND	ELECTRIC	
PROPOSED	UNDERGROUND	FUEL SYSTEMS	
PROPOSED	UNDERGROUND	NATURAG GAS	
PROPOSED	UNDERGROUND	SANITARY SEWER	
PROPOSED	UNDERGROUND	SANITARY FORCE MAIN	
PROPOSED	UNDERGROUND	STEAM TRANSMISSION	
PROPOSED	UNDERGROUND	STORM SEWER	
PROPOSED	UNDERGROUND	TELEPHONE	
PROPOSED	UNDERGROUND	WATER SUPPLY	
PROPOSED	UNDERGROUND	FIBER LINE	

30 0 30 60 90

SCALE: 1" = 30'



CPL Architects and Engineers, Inc.
50 FRONT ST. SUITE 102
NEWBURGH, NY 12550
CPLteam.com

PROJECT INFORMATION

Project Number
13940.20

Client Name
NEWBURGH ENLARGED CITY SCHOOL DISTRICT

Project Name
PHASE 5: 2019 CAPITAL IMPROVEMENTS PROJECT
SED # 44-16-00-01-0-018-009

Project Address
400 Old Forge Hill Rd, New Windsor NY 12553

PROJECT REVISION SCHEDULE

No.	Date	Description

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SHEET INFORMATION

Issued	Scale
9/27/2021	1" = 30'

Project Status
BID DOCUMENTS

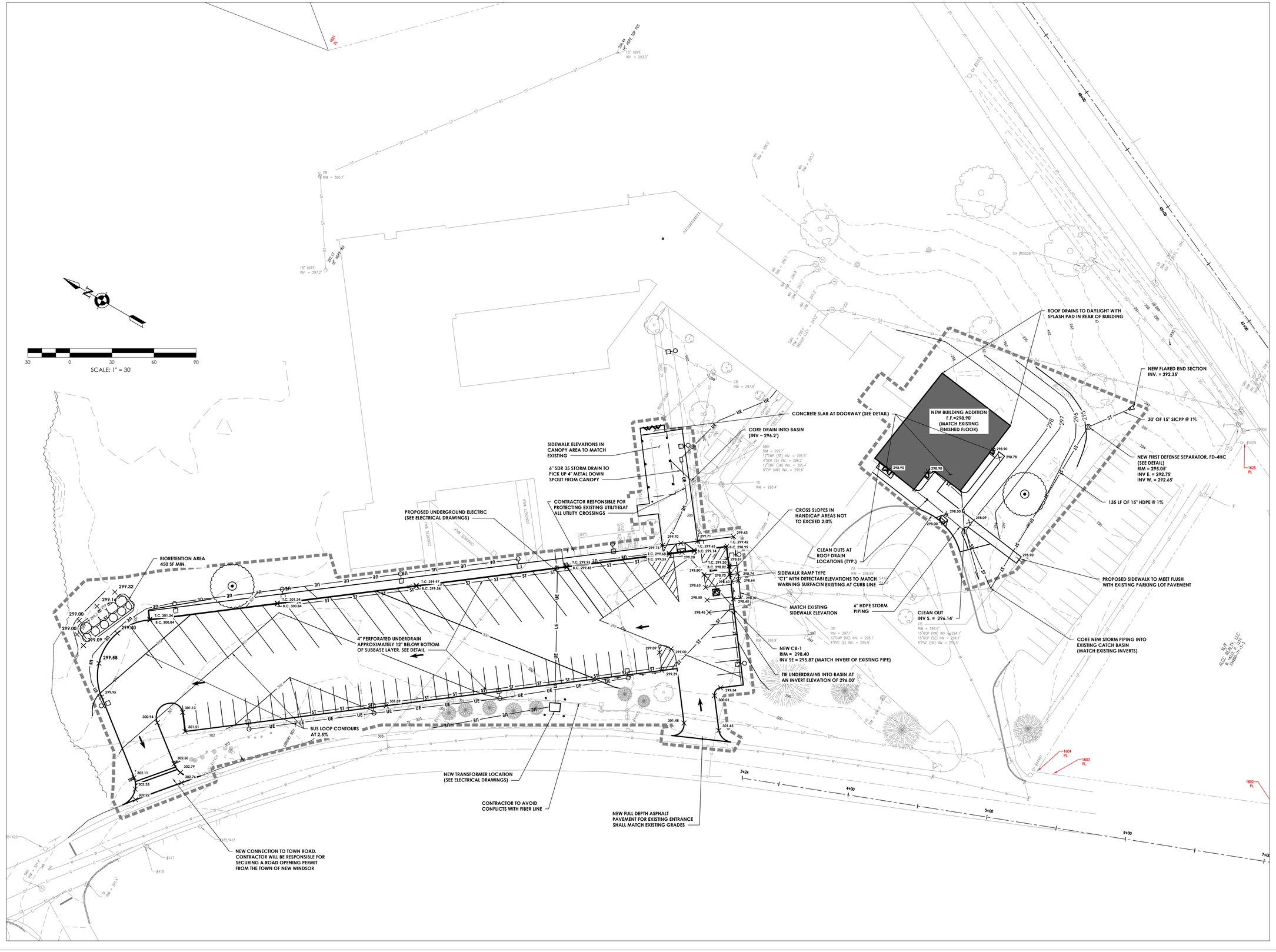
Drawn By	Checked By
SHC	JB

Drawing Title
SITE PLAN

Drawing Number
VG
C200

Plotted By: Beon Condon
Date last plotted: 9/28/2021 11:04 AM
Date last accessed: 9/24/2021 10:11 AM
Sheet size: 30x42
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Plotted By: Jason Condon
Date last plotted: 9/23/2021 2:00 PM
Date last accessed: 9/23/2021 1:27 PM
Sheet size: 30x42
Drawing Name: S:\Projects\Newburgh ECSD\Valis Gate ES Addtn & Reno\D Design\06 CAD\AutoCAD\Civil\C2\Revised Scope - Valis Gate Site Plan.dwg


SCALE: 1" = 30'
30 0 30 60 90
ROOF DRAINS TO DAYLIGHT WITH SPLASH PAD IN REAR OF BUILDING
NEW BUILDING ADDITION F.F.=298.90' (MATCH EXISTING FINISHED FLOOR)
NEW FLARED END SECTION INV. = 292.35'
30' OF 15" SICPP @ 1%
NEW FIRST DEFENSE SEPARATOR, FD-4HC (SEE DETAIL) RIM = 295.05' INV E. = 292.75' INV W. = 292.65'
135 LF OF 15" HDPE @ 1%
CONCRETE SLAB AT DOORWAY (SEE DETAIL)
CORE DRAIN INTO BASIN (INV ~ 296.2')
SIDEWALK ELEVATIONS IN CANOPY AREA TO MATCH EXISTING
6" SDR 35 STORM DRAIN TO PICK UP 4" METAL DOWN SPOUT FROM CANOPY
CONTRACTOR RESPONSIBLE FOR PROTECTING EXISTING UTILITIESAT ALL UTILITY CROSSINGS
PROPOSED UNDERGROUND ELECTRIC (SEE ELECTRICAL DRAWINGS)
CROSS SLOPES IN HANDICAP AREAS NOT TO EXCEED 2.0%
CLEAN OUTS AT ROOF DRAIN LOCATIONS (TYP.)
SIDEWALK RAMP TYPE "C1" WITH DETECTABI ELEVATIONS TO MATCH WARNING SURFACIN EXISTING AT CURB LINE
PROPOSED SIDEWALK TO MEET FLUSH WITH EXISTING PARKING LOT PAVEMENT
MATCH EXISTING SIDEWALK ELEVATION
6" HDPE STORM PIPING
CLEAN OUT INV S. = 296.14'
CORE NEW STORM PIPING INTO EXISTING CATCH BASIN (MATCH EXISTING INVERTS)
NEW C8-1 RIM = 298.40 INV SE = 295.87 (MATCH INVERT OF EXISTING PIPE)
TIE UNDERDRAINS INTO BASIN AT AN INVERT ELEVATION OF 296.00'
BIORETENTION AREA 450 SF MIN.
4" PERFORATED UNDERDRAIN APPROXIMATELY 12" BELOW BOTTOM OF SUBBASE LAYER. SEE DETAIL
BUS LOOP CONTOURS AT 2.5%
NEW TRANSFORMER LOCATION (SEE ELECTRICAL DRAWINGS)
CONTRACTOR TO AVOID CONFLICTS WITH FIBER LINE
NEW FULL DEPTH ASPHALT PAVEMENT FOR EXISTING ENTRANCE SHALL MATCH EXISTING GRADES
NEW CONNECTION TO TOWN ROAD. CONTRACTOR WILL BE RESPONSIBLE FOR SECURING A ROAD OPENING PERMIT FROM THE TOWN OF NEW WINDSOR
N/F ALCC SCHOOL, LLC S. 4, LOT 1, P. 1-3-3 LIBER 1577, PG 1
CB RIM = 300.7'
18" HDPE INV. = 293.0'
18" HDPE INV. = 297.2'
CB RIM = 297.8'
DMH RIM = 299.7' 12"CMP (SE) INV. = 295.5' 4"SDR (S) INV. = 296.2' 12"CMP (SW) INV. = 295.4' 6"CPP (NW) INV. = 295.6'
YD RIM = 298.4'
CB RIM = 297.1' 12"CMP (NE) INV. = 295.1' 4"PVC (E) INV. = 295.9'
CB RIM = 296.6' 15"RCP (NW) INV. = 294.1' 15"RCP (SE) INV. = 294.1' 6"PVC (NE) INV. = 295.7'
CB RIM = 298.09'
CB RIM = 298.09'
CH #N5528
CH #N5529
CH #N5530
CH #N5531
CH #N5532
CH #N5533
CH #N5534
CH #N5535
CH #N5536
CH #N5537
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CH #N5541
CH #N5542
CH #N5543
CH #N5544
CH #N5545
CH #N5546
CH #N5547
CH

GENERAL NOTES

1. ALL PRIME CONTRACTORS ARE RESPONSIBLE FOR SECURING THE PROJECT SITE AT THE END OF EACH WORK DAY. ALL MAN AND EQUIPMENT GATES TO REMAIN CLOSED DURING THE WORK DAY, TO PREVENT PATRONS AND STAFF FROM ENTERING THE CONSTRUCTION WORK AREAS. IF TEMPORARY CONSTRUCTION FENCING IS REMOVED TO ACCESS ACTIVE WORK AREAS, IT MUST BE IMMEDIATELY RESTORED UPON COMPLETION OF WORK OR AT THE END OF THE WORK DAY.
2. DELIVERIES TO BE COORDINATED AROUND THE SCHOOL'S DAILY OPERATIONS AND WITH THE CONSTRUCTION MANAGER. .

DEMOLITION NOTES

1. PROTECT ALL UTILITIES, EXISTING DEVICES & ROAD SIGNS THAT ARE TO REMAIN.
2. STORE ON-SITE AND REUSE PARKING/BUILDING/STREET SIGNS WHEREVER POSSIBLE. REUSED SIGNS TO BE MOUNTED TO NEW SIGN POSTS. PROPERLY DISPOSE OF ALL REMAINING SIGNS AND POSTS THAT WERE NOT REUSED.
3. REMOVE & PROPERLY DISPOSE OF ALL TREES, BRUSH & DEBRIS WITHIN LIMITS OF DISTURBANCE AS DESIGNATED (CLEARING AND GRUBBING SHALL INCLUDE THE REMOVAL AND DISPOSAL OF ALL ORGANIC MATERIAL, INCLUDING STUMPS AND ROOT SYSTEMS UNDER PROPOSED PAVEMENT). ALL TREES TO REMAIN ARE TO BE PROTECTED FROM DAMAGE.
4. REMOVE & STOCK PILE ON SITE ALL TOP SOIL WITHIN AREA OF DISTURBANCE FOR LATER USE. EXCESS TOPSOIL TO BE STOCKPILED AT DESIGNATED LOCATION. THE TOPSOIL PILE LOCATION SHALL BE SURROUNDED WITH SILT FENCE AND SEEDED WITH LAWN GRASS SEED MIXTURE.
5. COORDINATE WITH OWNER'S REPRESENTATIVE TO INSPECT GROUND DURING TOPSOIL REMOVAL & CLEARING AND GRUBBING PROCESS. POT HOLES RESULTING FROM TREE ROOT REMOVAL SHALL BE BACKFILLED & COMPACTED WITH STRUCTURAL BACKFILL AS DIRECTED BY OWNER'S REPRESENTATIVE.
6. PROOF ROLL THE NEWLY EXPOSED SUBGRADE IN THE PRESENCE OF OWNER'S REPRESENTATIVE. UNDERCUT UNSUITABLE SUBGRADE AS DIRECTED BY OWNER'S REPRESENTATIVE.
7. PROTECT TREES, UTILITY POLES, GUY WIRES, POSTS, EDGE OF CONCRETE WALKS & CURB, AND ROOT SYSTEMS TO REMAIN AS NOTED, OR AS REQUIRED, FROM DAMAGE DURING CONSTRUCTION. CONTRACTOR SHALL REPAIR OR REPLACE AS NECESSARY ANY ITEM DAMAGED DURING CONSTRUCTION AT NO ADDITIONAL COST TO THE OWNER.
8. CONTRACTOR TO TAKE PRECAUTIONS TO PROTECT EXISTING ROOTS DURING CONSTRUCTION. ROOTS SHALL BE CLEAN CUT AS DIRECTED BY THE OWNER'S REPRESENTATIVE.
9. ALL UNDERGROUND UTILITIES AND THEIR LOCATION SHOWN HEREON ARE APPROXIMATE. CONTRACTOR IS RESPONSIBLE TO VERIFY ALL EXISTING UTILITIES AND VERIFY THEIR LOCATIONS AND DEPTHS PRIOR TO BEGINNING CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR ALL REPAIRS TO EXISTING UTILITIES IF DAMAGED BY WORK.
10. IF REQUIRED ADJUST ELEVATIONS OF ALL BURIED UTILITY LINES, UNITS & DEVICES TO PROVIDE MINIMUM REQUIRED COVER FOR FINISHED GRADE ELEVATIONS (COORDINATE WITH UTILITY PROVIDERS).
11. TEMPORARY CONSTRUCTION FENCING SHALL BE INSTALLED & MAINTAINED THROUGHOUT TIME OF CONSTRUCTION.
12. CONTRACTOR TO COORDINATE ALL WORK DONE RELATED TO UTILITY POLES AND OVERHEAD LINES WITH UTILITY PROVIDERS.
13. CONTRACTOR SHALL REMOVE ALL EXISTING UNDERGROUND UTILITIES DESIGNATED, AND FILL EXCAVATION AREA WITH STRUCTURAL FILL AND COMPACTED IN 6" LIFTS.
14. CONTRACTOR TO ADJUST UTILITY STRUCTURES, COVERS, OR OTHER SURFACE FEATURES AS NEEDED TO FINISH GRADES.
11. CONTRACTOR SHALL PRESERVE AND PROTECT FROM DAMAGE ALL TREES, FENCES AND OTHER OBSTACLES WITHIN THE ROW AND EASEMENT.
12. CONTRACTOR SHALL RETAIN THE SERVICES OF A QUALIFIED TREE EXPERT TO REMOVE, WHERE NECESSARY, BRANCHES WHICH INTERFERE WITH THE CONSTRUCTION OPERATIONS, OR REPAIR TREES HAVING SUFFERED DAMAGE BY CONSTRUCTION ACTIVITIES. COST TO BE INCLUDED IN THE VARIOUS ITEMS BID OF THE CONTRACT
13. THE CONTRACTOR SHALL LOCATE, FLAG AND PRESERVE SURVEY MONUMENTS AND PROPERTY CORNER MARKERS. THE CONTRACTOR SHALL HAVE A LICENSED SURVEYOR REESTABLISH ANY PROPERTY CORNERS OR SURVEY MONUMENTS DISTURBED DURING CONSTRUCTION AT NO ADDITIONAL COST TO THE OWNER.

FOUNDATION / SUBGRADE PREPARATION NOTES

1. CONTRACTOR SHALL REMOVE AND DISPOSE OF OFF-SITE ALL ASPHALT, MILLING AND SUBBASE STONE DESIGNATED FOR REMOVAL.
2. CLEAR, GRUB AND STRIP TOPSOIL FROM THE PROPOSED BUILDING AND PAVEMENT AREAS.
3. REMOVE IN-PLACE FILLS WITHIN THE BUILDING FOOTPRINT. REMOVAL SHALL EXTEND A MINIMUM OF 5 FEET OUTSIDE OF THE PROPOSED BUILDING LIMITS.
4. STRUCTURAL FILL TO BE CONDITIONED TO WITHIN 2% OF OPTIMUM MOISTURE CONTENT AND COMPACTED TO AT LEAST 95% OF THE MAXIMUM DRY DENSITY AS DETERMINED BY THE MODIFIED PROCTOR (ASTM D-1557).
5. STRUCTURAL FILL TO BE PLACED IN LIFTS NOT TO EXCEED 8 INCHES IN LOOSE THICKNESS.
6. PAVEMENT SUBGRADES TO BE COMPACTED TO WITHIN 2% OF OPTIMUM MOISTURE CONTENT AND COMPACTED TO AT LEAST 95% OF THE MAXIMUM DRY DENSITY AS DETERMINED BY THE MODIFIED PROCTOR (ASTM D-1557). PRIOR TO APPLYING THE SUBBASE COURSE, CONTRACTOR TO PROOF ROLL THE SUBGRADE AND REMOVE/REPLACE/RECOMPACT ANY AREAS THAT RUT, WEAVE, QUAKE OR ROLL.
7. COORDINATE WITNESSING OF ALL PROOF ROLLING FOR BUILDINGS AND PAVEMENT AREAS WITH OWNER'S REPRESENTATIVE.

CONCRETE WASHOUT FACILITY NOTES:

CONDITIONS WHERE PRACTICE APPLIES:

WASHOUT FACILITIES SHALL BE PROVIDED FOR EVERY PROJECT WHERE CONCRETE WILL BE POURED OR OTHERWISE FORMED ON THE SITE. THIS FACILITY WILL RECEIVE HIGHLY ALKALINE WASH WATER FROM THE CLEANING OF CHUTES, MIXERS, HOPPERS, VIBRATORS, PLACING EQUIPMENT, TROWELS, AND SCREEDS. UNDER NO CIRCUMSTANCES WILL WASH WATER FROM THESE OPERATIONS BE ALLOWED TO INFILTRATE INTO THE SOIL OR ENTER SURFACE WATERS.

DESIGN CAPACITY:

THE WASHOUT FACILITY SHOULD BE SIZED TO CONTAIN SOLIDS, WASH WATER, AND RAINFALL AND SIZED TO ALLOW FOR THE EVAPORATION OF THE WASH WATER AND RAINFALL. WASH WATER SHALL BE ESTIMATED AT 7 GALLONS PER CHUTE AND 50 GALLONS PER HOPPER OF THE CONCRETE PUMP TRUCK AND/OR DISCHARGING DRUM. THE MINIMUM SIZE SHALL BE 8 FEET BY 8 FEET AT THE BOTTOM AND 2 FEET IF EXCAVATED, THE SIDE SLOPES SHALL BE 2 HORIZONTAL TO 1 VERTICAL.

LOCATION:

LOCATE THE FACILITY A MINIMUM OF 100 FEET FROM DRAINAGE SWALES, STORM DRAIN INLETS, WETLANDS, STREAMS AND OTHER SURFACE WATERS. PREVENT SURFACE WATER FROM ENTERING THE STRUCTURE EXCEPT FOR THE ACCESS ROAD. PROVIDE APPROPRIATE ACCESS WITH A GRAVEL ACCESS ROAD SLOPED DOWN TO THE STRUCTURE. SIGNS SHALL BE PLACED TO DIRECT DRIVERS TO THE FACILITY AFTER THEIR LOAD IS DISCHARGED.

LINER:

ALL WASHOUT FACILITIES WILL BE LINED TO PREVENT LEACHING OF LIQUIDS INTO THE GROUND. THE LINER SHALL BE PLASTIC SHEETING WITH A MINIMUM THICKNESS OF 10 MILS WITH NO HOLES OR TEARS, AND ANCHORED BEYOND THE TOP OF THE PIT WITH AN EARTHEN BERM, SAND BAGS, STONE, OR OTHER STRUCTURAL APPURTENANCE EXCEPT AT THE ACCESS POINT. IF PRE-FABRICATED WASHOUTS ARE USED THEY MUST ENSURE THE CAPTURE AND CONTAINMENT OF THE CONCRETE WASH AND BE SIZED BASED ON THE EXPECTED FREQUENCY OF CONCRETE POURS. THEY SHALL BE SITED AS NOTED IN THE LOCATION CRITERIA.

MAINTENANCE:

1. ALL CONCRETE WASHOUT FACILITIES SHALL BE INSPECTED DAILY. DAMAGED OR LEAKING FACILITIES SHALL BE DEACTIVATED AND REPAIRED OR REPLACED IMMEDIATELY. EXCESS RAINWATER THAT HAS ACCUMULATED OVER HARDENED CONCRETE SHOULD BE PUMPED TO A STABILIZED AREA, SUCH AS A GRASS FILTER STRIP.
2. ACCUMULATED HARDENED MATERIAL SHALL BE REMOVED WHEN 75% OF THE STORAGE CAPACITY OF THE STRUCTURE IS FILLED. ANY EXCESS WASH WATER SHALL BE PUMPED INTO A CONTAINMENT VESSEL AND PROPERLY DISPOSED OF OFF SITE.
3. DISPOSE OF THE HARDENED MATERIAL OFF-SITE IN A CONSTRUCTION/DEMOLITION LANDFILL.
4. THE PLASTIC LINER SHALL BE REPLACED WITH EACH CLEANING OF THE WASHOUT FACILITY.
5. INSPECT THE PROJECT SITE FREQUENTLY TO ENSURE THAT NO CONCRETE DISCHARGES ARE TAKING PLACE IN NON-DESIGNATED AREAS.

TOWN OF NEW WINDSOR PERMITING

1. CONTRACTOR WILL BE REQUIRED TO OBTAIN A ROAD OPENING PERMIT FROM THE TOWN OF NEW WINDSOR CLERK, WITH ASSOCIATED FEES, ESCROW FOR INSPECTION, AND BONDING IN ACCORDANCE WITH THE TOWN CODE AND FEE SCHEDULE.
2. ALL WORK WITHIN THE TOWN RIGHT-OF-WAY WILL REQUIRE CONSTRUCTION OBSERVATION BY THE TOWN OF NEW WINDSOR REPRESENTATIVES. A PRE-CONSTRUCTION MEETING IS REQUIRED PRIOR TO INITIATION OF ANY WORK IN THE TOWN RIGHT OF WAY.
3. THE CONTRACTOR WILL NEED TO PROVIDE TRAFFIC CONTROL PLANS TO THE HIGHWAY SUPERINTENDED AND THE TOWNS ENGINEER AS PART OF THE ROAD OPENING PERMIT SUBMISSION.
4. ANY USE OF THE TOWN OF NEW WINDSOR FIRE HYDRANT WILL REQUIRE THE CONTRACTOR TO OBTAIN PERMITS AND COVER SUBSEQUENT FEES THROUGH THE TOWN OF NEW WINDSOR WATER DEPARTMENT.

STORM SEWER GENERAL NOTES:

1. ALL WORK IS TO BE COMPLETED IN ACCORDANCE WITH NYSDEC, USACE, OSHA, SULLIVAN COUNTY, AND LOCAL COMMUNITY REQUIREMENTS.
2. THE LOCATIONS, SIZES AND ELEVATIONS OF EXISTING UTILITIES ARE BASED ON INFORMATION COMPILED BY THE ENGINEER FROM DRAWINGS OF RECORDS AND INFORMATION FURNISHED BY THE VARIOUS UTILITIES. WITH FIELD CHECKING WHERE NECESSARY AND POSSIBLE. THE ACCURACY OF THIS INFORMATION IS NOT GUARANTEED AND MAY BE APPROXIMATE ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO HAVE THIS INFORMATION VERIFIED AND LOCATED PRIOR TO CONSTRUCTION. NO CONSTRUCTION EXCAVATION, BORING, OR BLASTING SHALL BE DONE WITHOUT CERTIFICATION OF THE DEPTH AND LOCATION OF UTILITIES. CALL DIG SAFELY NEW YORK (UFPO) AT 1-(800)-962-7962 AT LEAST 48 HOURS PRIOR TO COMMENCING WORK.
3. THE APPROXIMATE LOCATION OF THE PROPOSED STORM SEWER IS INDICATED ON THE PLANS, HOWEVER THE ACTUAL LOCATION WILL BE GOVERNED BY THE ACTUAL LOCATION OF THE UNDERGROUND UTILITIES OR OTHER CONTROLLING FACTORS AS DETERMINED BY THE ENGINEER DURING CONSTRUCTION.
4. THE CONTRACTOR SHALL EXPOSE EXISTING UTILITIES, SERVICES, SEWER MAIN, WATER MAIN AND LATERALS AHEAD OF PIPE LAYING OR OTHER WORK OPERATIONS SO THAT IF MINOR ADJUSTMENTS MUST BE MADE IN ELEVATION AND/OR ALIGNMENT, DUE TO INTERFERENCE, THESE CHANGES CAN BE MADE IN ADVANCE OF THE WORK.
5. HIGHWAY DRAINAGE SHALL BE MAINTAINED THROUGHOUT THE PERIOD OF CONSTRUCTION. THE ROADS SHALL BE KEPT CLEAN OF MUD AND DEBRIS AT ALL TIMES.
6. SAFE AND CONTINUOUS THROUGH TRAFFIC AND INGRESS AND EGRESS FOR ADJACENT OWNER DRIVEWAYS, SERVICE ROADS AND PUBLIC STREETS SHALL BE MAINTAINED THROUGHOUT THE PERIOD OF CONSTRUCTION.
7. ALL EXISTING UTILITY LINES AND SERVICE LATERALS NEAR OR CROSSING THE NEW STORM SEWER SHALL BE PROTECTED, PRESERVED AND SUPPORTED AS NECESSARY AT THE CONTRACTOR'S EXPENSE.
8. UTILITY POLES SHALL BE SUPPORTED, WHERE NECESSARY, AT NO ADDITIONAL COST TO THE OWNER.
9. CONTRACTOR TO PROTECT NEW OR EXISTING WORK, SHEETING OR SHORING (IF REQUIRED DURING CONSTRUCTION) SHALL BE PROVIDED AT NO COST TO THE OWNER.
10. WHEREVER MAILBOXES, POSTS, FENCES, SHRUBBERY, ETC. ARE IN CONFLICT WITH THE PROPOSED CONSTRUCTION, THEY SHALL BE REMOVED AND RESET AS ORDERED BY THE ENGINEER. COST TO BE INCLUDED IN THE VARIOUS ITEMS BID OF THE CONTRACT.
11. CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER DISPOSAL OF EXCAVATED MATERIAL FROM THE SITE.
12. THE CONTRACTOR SHALL CONFORM TO ALL CONDITIONS OF ANY APPLICABLE EASEMENTS OR PERMITS.
13. MATERIALS, EQUIPMENT, AND VEHICLES ARE NOT TO BE STORED OR PARKED WITHIN THE RIGHT-OF-WAY.
14. THE CONTRACTOR SHALL INCLUDE ALL COSTS FOR STORM SEWER ABANDONMENT WORK IN THE APPROPRIATE PAYMENT ITEMS, INCLUDING ABANDONING, REMOVAL, AND PROPER DISPOSAL OF EXISTING STORM SEWER PIPES, STRUCTURES, LATERALS, AND APPURTENANCES, IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS AND AS SHOWN ON THE PLANS.

ASPHALT PAVEMENT & STRIPING NOTES:

1. CONTRACTOR SHALL FIELD VERIFY IN THE PRESENCE OF THE OWNER'S REPRESENTATIVE, THE DEPTH AND SUITABILITY OF EXISTING GRANULAR MATERIAL FOR REUSE AS GRANULAR MATERIAL IN PROPOSED ASPHALT SECTIONS. OWNER'S REPRESENTATIVE DETERMINATION SHALL BE FINAL AND BINDING.
2. ALL ASPHALT PAVING SHALL MEET THE LINES AND GRADES AS SHOWN ON THE CONTRACT PLANS.
3. ALL TOP COURSE PAVEMENT AND FINAL STRIPING SHALL BE PLACED ONLY AFTER COMPLETION OF ALL SITE WORK UNLESS NOTED OTHERWISE. CONTRACTOR SHALL BE RESPONSIBLE FOR PLACING TEMPORARY PAVEMENT MARKINGS ON TOP OF BINDER COURSE. ALL STRUCTURES, RIMS, AND GRATES SHALL BE PROTECTED WITH TEMPORARY ASPHALT BINDER.
4. FOR ALL PAVEMENT MARKINGS (LINES, STRIPING, HATCHING AND SYMBOLS), REFER TO NYSDOT STANDARD SHEETS 685-01 UNLESS NOTED OTHERWISE.

SEDIMENT AND EROSION CONTROL NOTES

1. PURSUANT TO SECTION 402 OF THE CLEAN WATER ACT, STORMWATER DISCHARGES FROM CONSTRUCTION ACTIVITIES TO WATERS OF THE UNITED STATES ARE UNLAWFUL UNLESS THEY ARE AUTHORIZED BY NEW YORK'S SPDES (STATE POLLUTANT DISCHARGE ELIMINATION SYSTEM) GENERAL PERMIT
2. FOR STORMWATER DISCHARGES, THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE SWPPP AND THE REQUIREMENTS OF THE GENERAL PERMIT. THE SITE CONTRACTOR AND ALL SUBCONTRACTORS RESPONSIBLE FOR THE INSTALLATION, MAINTENANCE AND REMOVAL OF EROSION CONTROL MEASURES ARE REQUIRED TO SIGN A CERTIFICATION STATEMENT PRIOR TO UNDERTAKING ANY CONSTRUCTION ACTIVITY ON SITE AND MUST AGREE TO IMPLEMENT ALL APPLICABLE PROVISIONS OF THE SWPPP. ANY PERMIT NONCOMPLIANCE CONSTITUTES A VIOLATION OF THE CLEAN WATER ACT AND THE ENVIRONMENTAL CONSERVATION LAW AND IS GROUNDS FOR AN ENFORCEMENT ACTION.
3. THE SITE CONTRACTOR SHALL COMPLY WITH ALL GENERAL NOTES FOR THE NEW YORK STATE DEPARTMENT OF THE ENVIRONMENTAL CONSERVATION, SECTION 401 WATER QUALITY CERTIFICATION.
4. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IN ACCORDANCE WITHNYS STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL (BLUE BOOK) LATEST EDITION, THE SWPPP, AND LOCAL GOVERNING SOIL AND WATER CONSERVATION AGENCY RECOMMENDATIONS AND STANDARDS. CONTRACTOR SHALL SUBMIT PROPOSED SEQUENCING OF WORK TO THE OWNER'S REPRESENTATIVE FOR REVIEW PRIOR TO START OF WORK. CONTRACT PLANS INDICATE THE SUGGESTED MINIMUM MEASURES REQUIRED.
5. SEDIMENT FROM THE SITE SHALL BE PREVENTED FROM DISCHARGING TO ANY SURFACE WATER OR STORMWATER PIPING SYSTEM BY THE INSTALLATION OF EROSION AND SEDIMENTATION CONTROL MEASURES AND PRACTICES PRIOR TO OR CONCURRENT WITH LAND DISTURBING ACTIVITIES.
6. ALL SLOPES GREATER THAN 1:4 SHALL BE STABILIZED WITH JUTE MESH.
7. CONTRACTOR SHALL APPOINT A PERSON TO BE RESPONSIBLE FOR ALL EROSION AND SEDIMENT CONTROL MEASURES. THIS PERSON SHALL BE TRAINED IN ACCORDANCE WITH NYSDEC REQUIREMENTS FOR EROSION AND SEDIMENT CONTROL ACTIVITIES.
8. CONSTRUCT STABILIZED CONSTRUCTION ENTRANCE IN ACCORDANCE WITH DETAIL. COORDINATE LOCATION WITH OWNER PRIOR TO ANY ON-SITE ACTIVITIES.
9. PROVIDE AND MAINTAIN INLET PROTECTION ON ALL EXISTING AND NEW CATCH BASINS, MANHOLES AND INLETS UNTIL DRAINAGE AREAS ARE STABILIZED. USE COMPOST FILTER SOCK IN PLACE OF FILTER FABRIC IN PAVED AREAS.
10. PROVIDE AND MAINTAIN SILT FENCE AROUND PERIMETER OF ALL WORK AREAS, EXCAVATED SOIL STOCKPILES, AND BETWEEN DISTURBED AREAS AND DRAINAGE WAYS OR WATER BODIES. COORDINATE LOCATIONS WITH OWNER AS WORK PROGRESSES AND AREAS ARE STABILIZED. SILT FENCE TO BE INSTALLED AND ENTRENCHED (MIN 6" BELOW GROUND ELEVATION). SILT SOCK MAY USED ON PAVED OR GRAVEL AREAS.
11. ALL EXPOSED SUBGRADE AREAS INTENDED FOR PAVEMENT SHALL BE STABILIZED WITH SUBBASE STONE WITHIN THREE (3) DAYS OF EXCAVATION / PAVEMENT REMOVALS.
12. EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO ANY SOIL DISTURBANCE ACTIVITIES, INCLUDING GRADING OR FILLING OPERATIONS AND INSTALLATION OF PROPOSED STRUCTURES OR UTILITIES.
13. CONTRACTOR SHALL MAINTAIN EROSION CONTROL MEASURES AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED.
14. ALL SOIL EROSION AND SEDIMENTATION CONTROL MEASURES AND PRACTICES, WHETHER TEMPORARY OR PERMANENT, SHALL BE MAINTAINED AT ALL TIMES UNTIL CONSTRUCTION IS COMPLETED AND THE WORK AREAS ARE STABILIZED.
15. CONSTRUCT TEMPORARY SILT FENCING ALONG BOTTOM EDGE OF ALL SLOPES AND/OR AS SHOWN, AS DESIGNATED, OR AS DIRECTED BY OWNERS REPRESENTATIVE.
16. CONSTRUCT TEMPORARY STONE CHECK DAMS ALONG DITCH LINES AS SPECIFIED AND/OR AS SHOWN, AS DESIGNATED, OR AS DIRECTED BY OWNER'S REPRESENTATIVE.
17. ALL EROSION AND SEDIMENT CONTROL MEASURES MUST BE INSPECTED AND MAINTAINED WEEKLY. CONTRACTOR SHALL KEEP ON FILE A RECORD OF THE REQUIRED INSPECTION REPORTS.
18. ALL DISTURBED AREAS,EXPOSED SLOPES AND SWALES SHALL BE VEGETATED (TEMPORARY SEEDED) WITHIN 14 CALENDAR DAYS FOLLOWING COMPLETION OF ANY PHASE OF GRADING.
19. JUTE MESH OR OTHER STABILIZATION FABRIC SHALL BE APPLIED TO ANY SLOPES GREATER THAN 1V:4H IMMEDIATELY UPON COMPLETION OF GRADING ACTIVITIES. MESH OR OTHER MEASURE SHALL BE ADEQUATELY SECURED.
20. TEMPORARY SEEDING SHALL BE SEEDED RYE GRASS AT A RATE OF FIVE (5) LBS PER 1,000 SQUARE FEET OF AREA. CONTINUALLY REAPPLY TEMPORARY SEEDING AT FIRST SIGN OF EROSION OR DETERIORATION OF THE SURFACE GRADE.
21. PERMANENT GROUND COVER SHALL BE INSTALLED ON ALL DISTURBED AREAS WITHIN 5 WORKING DAYS FOLLOWING COMPLETION OF CONSTRUCTION OR DEVELOPMENT.
22. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED COMPLETELY UPON FINAL STABILIZATION. COORDINATE TIMING OF REMOVAL WITH OWNER'S REPRESENTATIVE.
23. CONTRACTOR SHALL FLUSH CLEAN ALL EXISTING AND NEW STORM PIPING WITHIN PROJECT LIMITS AFTER FINAL STABILIZATION IS COMPLETE.
24. WALKWAYS TO BE KEPT FREE AND CLEAR OR DEBRIS, REFUSE AND SILT AT ALL TIMES.
25. DEBRIS, VEGETATION AND OTHER SPOILS REMOVED AS PART OF THE CONSTRUCTION ACTIVITIES SHALL BE DISPOSED OF AT UPLAND LOCATIONS ABOVE THE REACH OF HIGH WATER AND IN ACCORDANCE WITH LOCAL LAWS AND REGULATIONS. SEDIMENT DISPOSSAL IN WATER BODY, WETLANDS, FLOODWAYS OR THE 100-YEAR FLOODPLAIN IS STRICTLY PROHIBITED.
26. DURING CONSTRUCTION, NO WET OR FRESH CONCRETE OR LEACHATE SHALL BE ALLOWED TO ESCAPE INTO ANY WETLANDS OR WATERS OF NEW YORK STATE, NOR SHALL WASHINGS FROM READY-MIX CONCRETE TRUCKS, MIXERS OR OTHER DEVICES BE ALLOWED TO ENTER ANY WETLAND OR WATERS. ONLY WATERTIGHT OR WATERPROOF FORMS SHALL BE USED. WET CONCRETE SHALL NOT BE FOURED TO DISPLACE WATER WITHIN THE FORMS.
27. CONTRACTOR TO CONSTRUCT A TEMPORARY CONCRETE WASHOUT AREA ADJACENT TO EACH WORK AREA ENTRANCE.
28. THE CONTROL OF DUST ORIGINATING FROM THE CONSTRUCTION OPERATIONS IS CONSIDERED A CRITICAL RESPONSIBILITY OF THE CONTRACTOR. THE ENGINEER WILL BE THE FINAL JUDGE OF THE ADEQUACY OF THE CONTRACTOR'S DUST CONTROL EFFORTS. WORK MAY BE SUSPENDED BY THE ENGINEER UNTIL ADEQUATE DUST CONTROL IS ATTAINED.

SIDEWALK NOTES

GENERAL:

1. THE DIMENSIONS AND SLOPE PRESENTED IN THE DETAILS ARE THE MINIMUM NECESSARY TO COMPLY WITH THE ADA AND NYSDOT STANDARDS. ANY DEVIATION LESS THAN THE MINIMUM WIDTH OR GREATER THAN THE MAXIMUM SLOPE FROM THESE STANDARDS MUST BE DOCUMENTED WITH THE STANDARDS BEING MET TO THE GREATEST EXTENT PRACTICABLE AND CONSISTENT WITH THE MOST CURRENT ADAAG.
2. THE DETAILS PROVIDED ARE NOT DRAWN TO SCALE. THE QUANTITY OF DOMES DEPICTED ON THE DETECTABLE WARNING UNIT (THE DOMES AND THE ENTIRE 24" LEVEL SURFACE) IS FOR ILLUSTRATION ONLY.
3. CURB RAMPS, LANDINGS AND BLENDED TRANSITIONS MAY REQUIRE THE USE OF DETECTABLE WARNINGS. DETECTABLE WARNINGS SHOWN FOR ILLUSTRATION ONLY. REFER TO THE DETECTABLE WARNING DETAILS FOR DETAILS ON PLACEMENT, ORIENTATION & DIMENSIONS. REFER TO CHAPTER 18 OF THE HIGHWAY DESIGN MANUAL FOR MORE INFORMATION.
4. THE CONFIGURATIONS SHOWN GENERICALLY REPRESENT THE MOST COMMON SITUATIONS ENCOUNTERED. THEY ARE INTENDED TO PRESENT CURB RAMP DESIGN CONCEPTS. SITE CONDITIONS AT INDIVIDUAL LOCATIONS REQUIRE SPECIFIC DESIGNS.
5. COORDINATE TRAFFIC CONTROL DEVICES, UTILITY LOCATIONS, SIGNS, STREET FURNITURE AND DRAINAGE TO ENSURE A CONTINUOUS PEDESTRIAN ACCESS ROUTE AT ALL CURB RAMP LOCATIONS. GUIDANCE FOR CROSSWALK MARKINGS AND TRAFFIC CONTROL DEVICES IS PROVIDED IN THE MUTCD.
6. GRATES SHALL NOT BE LOCATED ON CURB RAMPS, BLENDED TRANSITIONS OR LANDINGS. ACCESS TO COVERS OF SIMILAR SURFACES SHALL COMPLY WITH APPLICABLE SURFACE REQUIREMENTS.
7. UTILITIES, SIGNS AND OTHER FIXED OBJECTS MAY NOT BE PLACED ON A CURB, OR IN A MANNER THAT INTERFERES WITH THE USE OF THE CURB RAMP.
8. THE SURFACE OF ALL CURB RAMPS SHALL BE STABLE, FIRM AND SLIP RESISTANT. A COARSE BROOM FINISH RUNNING PERPENDICULAR TO THE SLOPE SHALL BE PROVIDED ON CONCRETE RAMP SURFACES, EXCLUSIVE OF THE DETECTABLE WARNING FIELDS.

TOPSOIL AND SEEDING NOTES:

SEEDING NOTES:

1. PROVIDE FRESH, CLEAN, NEW SEED COMPLYING WITH ESTABLISHED TOLERANCES FOR GERMINATION AND PURITY IN ACCORDANCE WITH THE U.S. DEPARTMENT OF AGRICULTURE RULES AND REGULATIONS UNDER THE LATEST EDITION OF THE FEDERAL SEED ACT. SEED SHALL BE MIXED BY THE DEALER AND SHALL BE DELIVERED TO THE SITE IN SEALED CONTAINERS WHICH SHALL BEAR THE DEALER'S GUARANTEE ANALYSIS.

2. SEED MIXTURES:

FOR TEMPORARY SEEDING - OR - AREAS THAT WILL NOT BE MAINTAINED:

RAPIDLY GERMINATING ANNUAL RYEGRASS:	30 LBS PER ACRE PERENNIAL
RYEGRASS:	100 LBS PER ACRE
CEREAL RYE:	30 LBS PER ACRE

FOR USE ON LAWN AREAS (AREAS TO BE MAINTAINED)

ALTERNATE A (SUNNY SITE)

65% KENTUCKY BLUE GRASS BLEND:	85-114 LBS PER ACRE
20% PERENNIAL RYEGRASS:	26-35 LBS PER ACRE
15% FINE FESCUE:	19-26 LBS PER ACRE
TOTAL:	130-175 LBS PER ACRE

ALTERNATE B (SHADY SITE)

80% KENTUCKY BLUE GRASS BLEND*:	105-138 LBS PER ACRE
20% PERENNIAL RYEGRASS:	25-37 LBS PER ACRE
TOTAL:	130-175 LBS PER ACRE

* SHADE TOLERANT

3. APPLY SEED UNIFORMLY BY HAND, CYCLONE SEEDER, OR HYDRO SEEDER (SLURRY INCLUDING SEED AND FERTILIZER). HYDRO-SEEDINGS, WHICH INCLUDE MULCH, MAY BE LEFT ON SOIL SURFACE. SEEDING RATES MUST BE INCREASED 10% WHEN HYDRO-SEEDING.
4. MULCH SEEDED AREAS WITH STRAW MULCH (2000 LBS PER ACRE).
5. IRRIGATE TO FULLY SATURATE SOIL LAYER, BUT NOT TO DISLODGE PLANTING SOIL.
6. SEED BETWEEN APRIL 1ST AND MAY 15TH OR AUGUST 15TH AND OCTOBER 15TH. SEEDING MAY OCCUR BETWEEN MAY 15TH AND AUGUST 15TH IF ADEQUATE IRRIGATION IS PROVIDED.

TOPSOIL APPLICATION NOTES:

1. TOPSOIL SHALL BE DISTURBED TO A UNIFORM DEPTH OVER THE AREA. IT SHALL NOT BE PLACED WHEN IT IS PARTIALLY FROZEN, MUDDY OR ON FROZEN SLOPES OVER ICE, SNOW OR STANDING WATER.
2. TOPSOIL PLACED AND GRADED ON SLOPES STEEPER THAN 5% SHALL BE PROMPTLY FERTILIZED, SEEDED AND STABILIZED BY "TRACKING" WITH SUITABLE EQUIPMENT.
3. APPLY TOPSOIL IN THE FOLLOWING AMOUNTS FOR INTENDED USE:

MOWED LAWN:	4-8 INCHES
UNMOWED AREA:	2-4 INCHES

4. COMPLETE ROUGH GRADING AND FINAL GRADE, ALLOWING FOR DEPTH OF TOPSOIL TO BE ADDED. SCARIFY ALL COMPACT, SLOWLY PERMEABLE, MEDIUM AND FINE TEXTURED SUBSOIL AREAS. SCARIFY AT APPROXIMATELY RIGHT ANGLES TO THE SLOPE DIRECTION IN SOIL AREAS THAT ARE STEEPER THAN 5%.
5. REMOVE REFUSE, WOODY PLANT PARTS, STONES OVER 3 INCHES IN DIAMETER, AND OTHER LITTER.

TOPSOIL MATERIAL NOTES:

THE FURNISHINGS OF NEW TOPSOIL SHALL BE OF A BETTER OR EQUAL QUALITY OF THE EXISTING ADJACENT TOPSOIL AND SHALL MEET THE FOLLOWING CRITERIA:

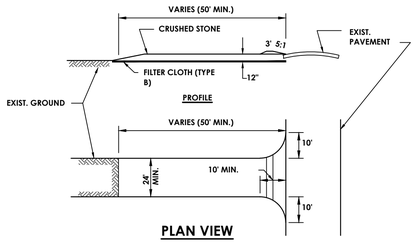
- TOPSOIL SHALL HAVE AT LEAST 2%, BUT NOT MORE THAN 6% BY WEIGHT OF FINE TEXTURED STABLE ORGANIC MATERIAL.
- TOPSOIL SHALL HAVE NOT LESS THAN 20% FINE TEXTURED MATERIAL (PASSING THE NO. 200 SIEVE) AND NOT MORE THAN 15% CLAY.
- TOPSOIL SHALL BE RELATIVELY FREE OF STONES OVER 1" DIAMETER, THRASH, NOXIOUS WEEDS, AND WILL HAVE LESS THAN 10% GRAVEL BY VOLUME.

INSPECTION & MAINTENANCE NOTES:

1. TEMPORARY SEEDING AND PLANTING WILL BE INSPECTED FOR BARE SPOTS, WASHOUTS, AND UNHEALTHY GROWTH.
2. TEMPORARY SEEDINGS SHALL BE PERIODICALLY INSPECTED. AT A MINIMUM 95% OF THE SOIL SURFACE SHOULD BE COVERED BY VEGETATION. IF ANY EVIDENCE OF EROSION OR SEDIMENTATION IS APPARENT, REPAIRS SHALL BE MADE AND OTHER TEMPORARY MEASURES USED IN THE INTERIM. (MULCH, FILTER BARRIERS, CHECK DAMS, ETC.)
3. ALL MULCHES MUST BE INSPECTED PERIODICALLY, IN PARTICULAR AFTER RAINSTORMS, TO CHECK FOR RILL EROSION. IF LESS THAN 90% OF THE SOIL SURFACE IS COVERED BY MULCH, ADDITIONAL MULCH SHALL BE APPLIED IMMEDIATELY.
4. AERATE COMPACTED OR HEAVY USED AREAS, ANNUALLY AS SOON AS THE SOIL MOISTURE CONDITIONS PERMIT. AERATE AREA 6 TO 8 TIMES USING A SPOON HOLLOW TINE TYPE AERATION. DO NOT USE SPIKE EQUIPMENT.
5. RESEED BARE AND THIN AREAS ANNUALLY WITH ORIGINAL SPECIES.
6. SOIL

GENERAL NOTES FOR ALL EROSION AND SEDIMENT CONTROL DETAILS:

1. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL COMPLY WITH NYS STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL (BLUE BOOK) LATEST EDITION.



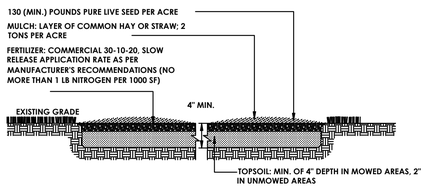
PLAN VIEW

STABILIZED CONSTRUCTION ENTRANCE

N.T.S.

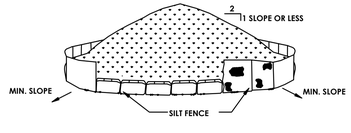
1. TEMPORARY SEEDING SHOULD BE MADE WITHIN 24 HOURS OF CONSTRUCTION OR DISTURBANCE. IF NOT, THE SOIL MUST BE SCARIFIED PRIOR TO SEEDING.
2. IN ORDER FOR MULCH TO BE EFFECTIVE IT MUST BE PLACED PRIOR TO MAJOR STORM EVENTS. IT WILL BE NECESSARY TO CLOSELY MONITOR WEATHER PREDICTIONS TO HAVE ADEQUATE WARNING OF SIGNIFICANT STORMS.
3. THE TIME PERIOD TO MULCH CAN RANGE FROM 14 TO 21 DAYS OF INACTIVITY ON AN AREA, THE LENGTH OF TIME VARYING WITH SITE CONDITIONS. PROFESSIONAL JUDGMENT SHALL BE USED TO EVALUATE THE INTERACTION OF SITE CONDITIONS (SOIL ERODABILITY, SEASON OF YEAR, EXTENT OF DISTURBANCE, PROXIMITY TO SENSITIVE RESOURCES, ETC.) AND THE POTENTIAL IMPACT OF EROSION ON ADJACENT AREAS IN ORDER TO CHOOSE AN APPROPRIATE TIME RESTRICTION.
4. WHEN MULCH IS APPLIED TO PROVIDE PROTECTION OVER WINTER (PAST THE GROWING SEASON) IT SHALL BE AT THE RATE OF 6,000 LBS OF HAY OR STRAW PER ACRE. A TACKIFIER MAY BE ADDED TO THE MULCH.

SEDIMENT BARRIERS SHALL BE INSTALLED PRIOR TO ANY SOIL DISTURBANCE OF THE CONTRIBUTING DRAINAGE AREA ABOVE THEM. (REFER TO CONSTRUCTION SEQUENCING SCHEDULE IN SWPPP REPORT FOR FURTHER INFORMATION).



TOPSOIL, SEEDING AND MULCH

N.T.S.



SPECIFICATION AND INSTALLATION NOTES:

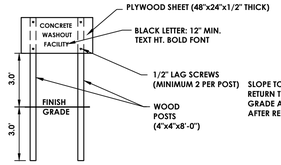
1. AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE.
2. MAXIMUM SLOPE OF STOCKPILE SHALL BE 1:2.
3. UPON COMPLETION OF SOIL STOCKPILING, EACH PILE SHALL BE SURROUNDED WITH EITHER SILT FENCING OR HAY BALES AND STABILIZED WITH VEGETATION OR COVERED.
4. SEE SPECIFICATIONS ON INSTALLATION OF SILT FENCE.

INSPECTION & MAINTENANCE NOTES:

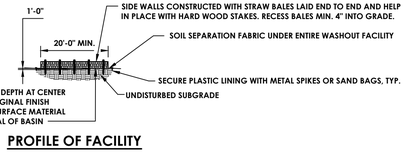
1. SOIL AND TOPSOIL STOCKPILE SHALL BE SEEDED IF THEY ARE TO REMAIN DORMANT FOR 30 DAYS.
2. SEE SILT FENCE DETAIL FOR MAINTENANCE AND INSPECTIONS.

SOIL STOCKPILE

N.T.S.



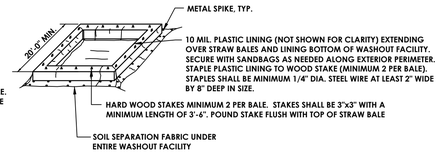
SIGN



PROFILE OF FACILITY



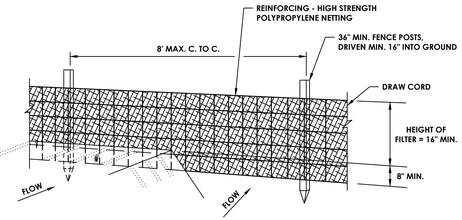
BALE PROFILE



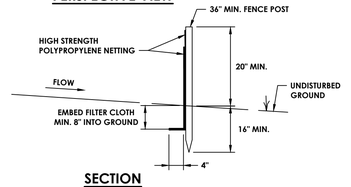
ISOMETRIC VIEW OF FACILITY

CONCRETE TRUCK WASHOUT

N.T.S.



PERSPECTIVE VIEW



SECTION

CONSTRUCTION NOTES FOR FABICATED SILT FENCE

1. SILT FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH TIES OR STAPLES.
2. FILTER CLOTH TO BE FASTENED SECURELY TO POLYPROPYLENE NETTING WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. NETTING MAY BE INCORPORATED INTO FILTER CLOTH.
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED.
4. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

POSTS: STEEL EITHER T OR U TYPE OR 2" HARDWOOD.

FENCE: HIGH STRENGTH POLYPROPYLENE NETTING

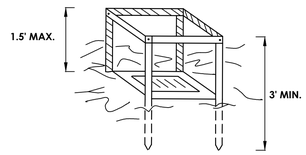
FILTER CLOTH: MIRAFI 100X, STABILINKA T140N OR APPROVED EQUAL

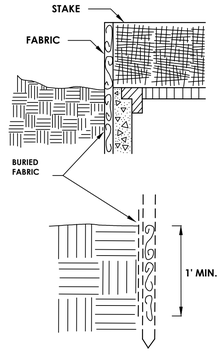
PREFABICATED UNIT: GEOFAB, ENVIROFENCE, OR APPROVED EQUAL

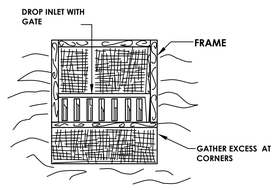
SILT FENCE

N.T.S.

2"X4" WOOD FRAME





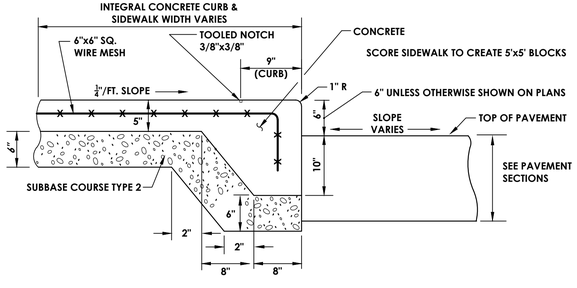


CONSTRUCTION SPECIFICATIONS

1. FILTER FABRIC SHALL HAVE AN EOS OF 40-85. BURLAP MAY BE USED FOR SHORT TERM APPLICATIONS.
2. CUT FABRIC FROM A CONTINUOUS ROLL TO ELIMINATE JOINTS. IF JOINTS ARE NEEDED THEY WILL BE OVERLAPPED TO THE NEXT STAKE.
3. STAKE MATERIALS WILL BE STANDARD 2" x 4" WOOD OR EQUIVALENT METAL WITH A MINIMUM LENGTH OF 3 FEET.
4. SPACE STAKES EVENLY AROUND INLET 3 FEET APART AND DRIVE A MINIMUM 18 INCHES DEEP. SPANS GREATER THAN 3 FEET MAY BE BRIDGED WITH THE USE OF WIRE MESH BEHIND THE FILTER FABRIC FOR SUPPORT.
5. FABRIC SHALL BE EMBEDDED 1 FOOT MINIMUM BELOW GROUND AND BACKFILLED. IT SHALL BE SECURELY FASTENED TO THE STAKES AND FRAME.
6. A 2" x 4" WOOD FRAME SHALL BE COMPLETED AROUND THE CREST OF THE FABRIC FOR OVER FLOW STABILITY. *MAXIMUM DRAINAGE AREA 1 ACRE

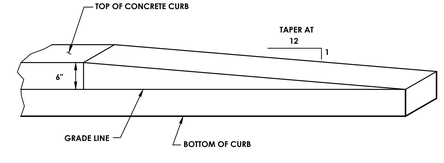
FILTER FABRIC DROP INLET PROTECTION

N.T.S



CONCRETE SIDEWALK AND INTEGRAL CURB SECTION

N.T.S.



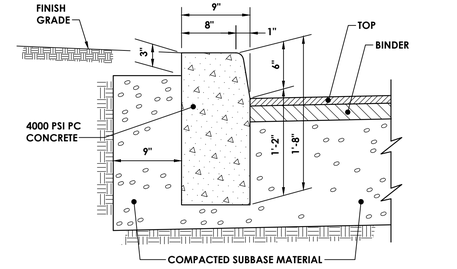
CURB TERMINAL

N.T.S.

1. CONTRACTION JOINTS TO BE AT 100 FOOT INTERVALS AND SHALL BE FORMED OR SAW CUT TO A DEPTH OF 1/2 INCH BELOW THE SURFACE OF THE CURB.
2. EXPANSION JOINTS TO BE AT 100 FOOT INTERVALS AND SHALL BE FORMED WITH 3/4 INCH WIDE PREMOLDED BITUMINOUS JOINT FILLER. THE FILLER MATERIAL SHALL BE CUT TO CONFORM TO THE CROSS SECTION OF THE CURB.
3. EXPANSION JOINTS AND FORMED CONTRACTION JOINTS ARE TO BE EDGED WITH CONCRETE FINISHING TOOLS.
4. CONCRETE SEALING AGENT SHALL BE APPLIED THE SAME DAY THAT CURBS ARE CONSTRUCTED.

CONCRETE CURB DETAIL

N.T.S.



CPL Architects and Engineers, Inc.
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NEWBURGH, NY 12550
CPLteam.com

PROJECT INFORMATION

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SHEET INFORMATION

Issued
9/27/2021

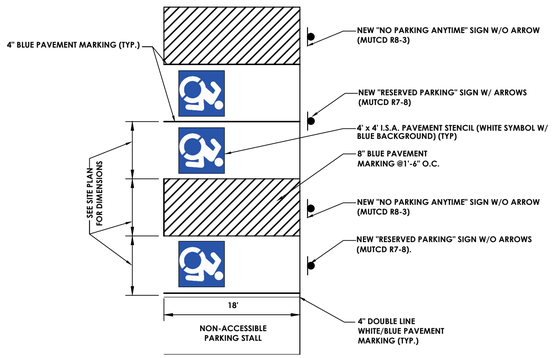
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Checked By: JB

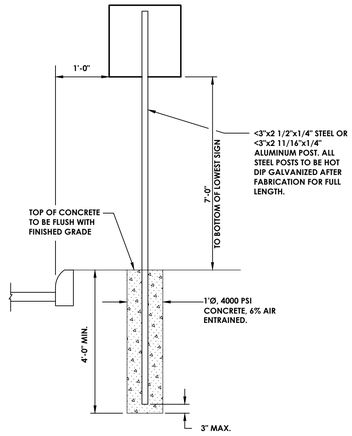
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DETAIL SHEET (1 OF 4)

Drawing Number
VG
C301

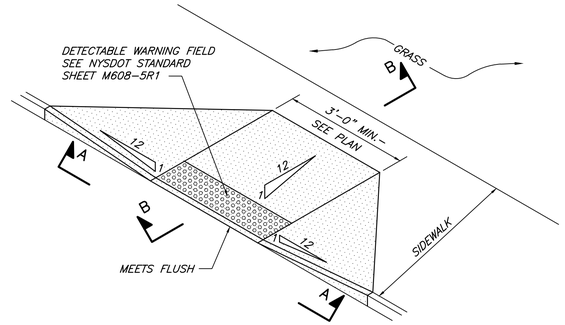
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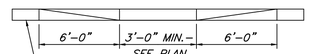
TYPICAL ACCESSIBLE PARKING STRIPING
N.T.S.



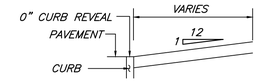
TYPICAL SIGN POST
N.T.S.



TYPE "A" RAMP ISOMETRIC

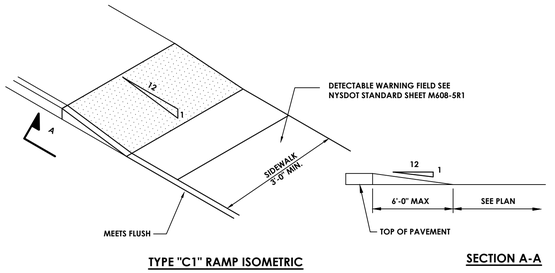


SECTION A–A



SECTION B–B

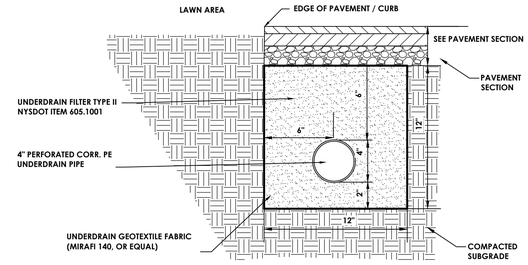
SIDEWALK RAMP TYPE "A"
N.T.S.



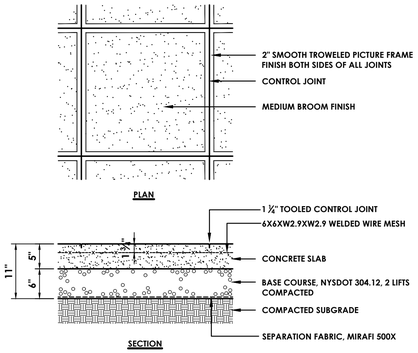
TYPE "C1" RAMP ISOMETRIC

SECTION A-A

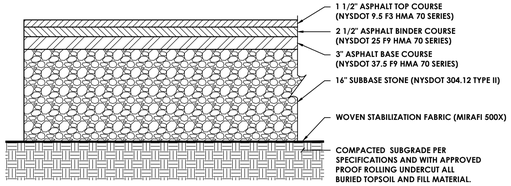
SIDEWALK RAMP TYPE "C1"
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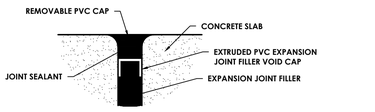
UNDERDRAIN/PAVEMENT WEEP
N.T.S.



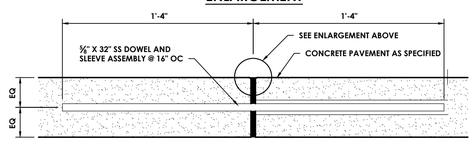
CONCRETE SIDEWALK
N.T.S



HEAVY DUTY ASPHALT PAVEMENT SECTION
N.T.S.



ENLARGEMENT



NOTES:

1. EXPANSION JOINTS AND ISOLATION JOINTS SHALL BE LOCATED WHERE SHOWN ON THE LAYOUT PLAN.

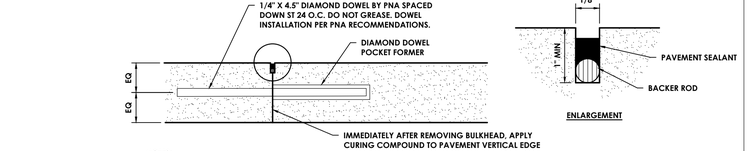
2. ISOLATION JOINTS SHALL NOT INCLUDE THE DOWEL AND SLEEVE ASSEMBLY.

3. ISOLATION JOINTS SHALL BE PROVIDED WHERE THE CONCRETE PAVEMENT ABUTS A RIGID STRUCTURE.

4. EXPANSION AND ISOLATION JOINTS SHALL BE ½" WIDE AND FILLED WITH A RESILIENT PREMOLDED NON-EXTRUDING FIBER EXPANSION JOINT FILLER, RECESSED AND SEALED. RECESS FORMED WITH EXTRUDED PVC CAP WITH REMOVABLE TOP TO RECEIVE JOINT SEALANT, COLOR TO MATCH CONCRETE.

EXPANSION/ISOLATION JOINT

CONCRETE JOINTS
N.T.S.



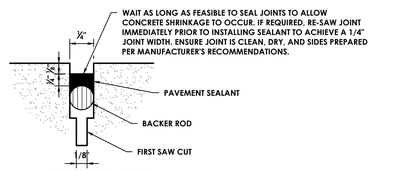
NOTES:

1. ENSURE JOINTS ARE CLEAN AND DRY PRIOR TO THE APPLICATION OF THE JOINT SEALANT.

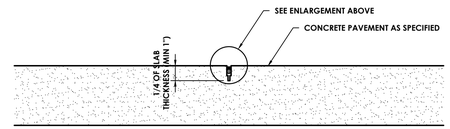
2. INSTALL CLOSED CELL BACKER ROD AFTER JOINTS HAVE BEEN CLEANED AND DRIED IN ACCORDANCE WITH SEALANT MANUFACTURER'S REQUIREMENTS.

3. INSTALL BACKER ROD AT CONSISTENT AND UNIFORM DEPTH. JOINT SEALANT APPLICATION SHALL BE IN STRICT COMPLIANCE WITH SEALANT MANUFACTURER'S REQUESTS.

CONSTRUCTION JOINT



ENLARGEMENT



SAW JOINT

CPL Architects and Engineers, Inc.
50 FRONT ST. SUITE 102
NEWBURGH, NY 12550
CPLteam.com

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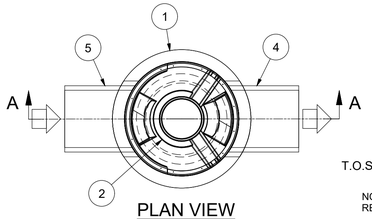
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BID DOCUMENTS

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Checked By: JB

Drawing Title
DETAIL SHEET (2 OF 4)

Drawing Number
VG
C302

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Date last plotted: 9/23/2021 2:38 PM
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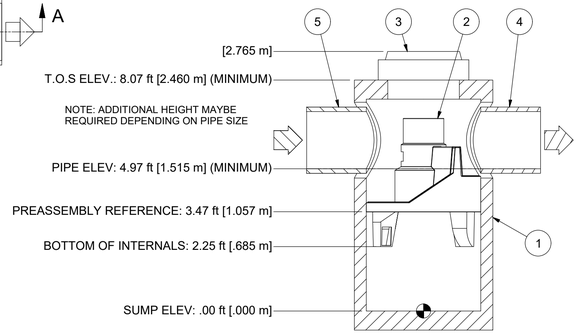


PLAN VIEW



HYDRO FRAME AND COVER (INCLUDED)

GRADE RINGS BY OTHERS AS REQUIRED



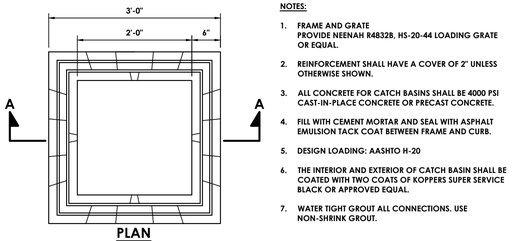
SECTION A-A

PRODUCT SPECIFICATION:

1. PEAK HYDRAULIC FLOW: 18.0 cfs (510 l/s)
2. MIN SEDIMENT STORAGE CAPACITY: 0.7 cu. yd. (0.5 cu. m.)
3. OIL STORAGE CAPACITY: 191 gal. (723 liters)
4. MAXIMUM INLET/OUTLET PIPE DIAMETERS: 24 in. (600 mm)
5. THE TREATMENT SYSTEM SHALL USE AN INDUCED VORTEX TO SEPARATE POLLUTANTS FROM STORMWATER RUNOFF.
6. FOR MORE PRODUCT INFORMATION INCLUDING REGULATORY ACCEPTANCES, PLEASE VISIT https://hydro-int.com/en/products/first-defense

GENERAL NOTES:
1. General Arrangement drawings only. Contact Hydro International for site specific drawings.
2. The diameter of the inlet and outlet pipes may be no more than 24".
3. Multiple inlet pipes possible (refer to project plan).
4. Inlet/outlet pipe angle can vary to align with drainage network (refer to project plan.s)
5. Peak flow rate and minimum height limited by available cover and pipe diameter.
6. Larger sediment storage capacity may be provided with a deeper sump depth.

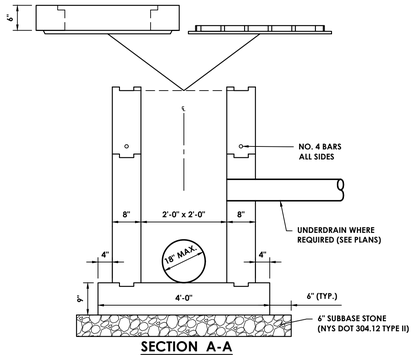
PARTS LIST				
ITEM	QTY	SIZE (in)	SIZE (mm)	DESCRIPTION
1	1	48	1200	I.D. PRECAST MANHOLE
2	1			INTERNAL COMPONENTS (PRE-INSTALLED)
3	1	30	750	FRAME AND COVER (ROUND)
4	1	24 (MAX)	600 (MAX)	OUTLET PIPE (BY OTHERS)
5	1	24 (MAX)	600 (MAX)	INLET PIPE (BY OTHERS)



PLAN

NOTES:

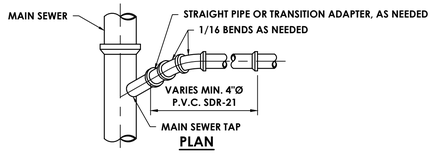
1. FRAME AND GRATE PROVIDE NEENAH R4832B, HS-20-44 LOADING GRATE OR EQUAL.
2. REINFORCEMENT SHALL HAVE A COVER OF 2" UNLESS OTHERWISE SHOWN.
3. ALL CONCRETE FOR CATCH BASINS SHALL BE 4000 PSI CAST-IN-PLACE CONCRETE OR PRECAST CONCRETE.
4. FILL WITH CEMENT MORTAR AND SEAL WITH ASPHALT EMULSION TACK COAT BETWEEN FRAME AND CURB.
5. DESIGN LOADING: AASHTO H-20
6. THE INTERIOR AND EXTERIOR OF CATCH BASIN SHALL BE COATED WITH TWO COATS OF KOPPERS SUPER SERVICE BLACK OR APPROVED EQUAL.
7. WATER TIGHT GROUT ALL CONNECTIONS. USE NON-SHRINK GROUT.



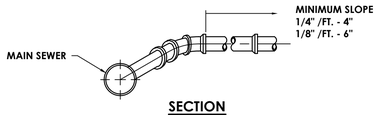
SECTION A-A

2'x2' CATCH BASIN

N.T.S.



PLAN



SECTION

WYE BRANCH CONNECTION

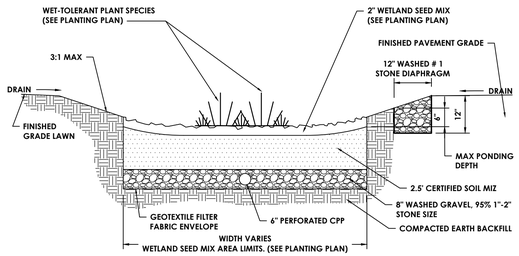
N.T.S.

BIORETENTION CERTIFIED SOIL MIX

85-90% SAND (50% BETWEEN #10 AND #40 SIEVE)
10-15% FINES (<200 SIEVE)
3-5% ORGANIC CONTENT

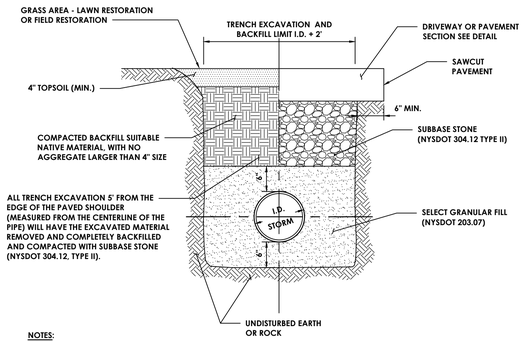
SOIL TO BE TESTED IN ACCORDANCE WITH NEW YORK STATE STORMWATER MANAGEMENT DESIGN MANUAL

*DETERMINE TYPE OF SOIL TO USE UNDERDRAIN. SEE DEIGN ENGINEER.



BIORETENTION

N.T.S.

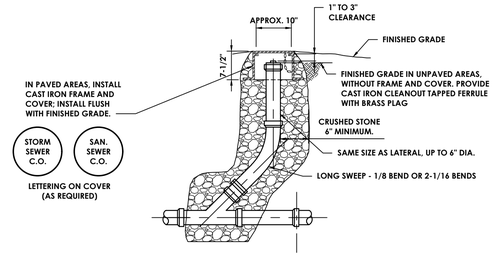


NOTES:

1. CONTRACTOR TO PROVIDE SAFE EXCAVATION; SLOPE TRENCH WALLS, USE TRENCH BOX, OR SHEETING & BRACING PER OSHA SPECIFICATIONS. TRENCH BOX OR SHEETING AND BRACING TO BE LIFTED ABOVE THE SPRING LINE OR PIPE BEFORE BACKFILLING ABOVE SPRING LINE.
2. PAVEMENT BACKFILL AND RESTORATION REQUIREMENTS SHALL APPLY TO WORK PERFORMED UNDER PROPOSED ROADWAYS.
3. ALL WORK FOR STORM SEWER TRENCHING SHALL BE INCLUDED. THIS WORK INCLUDES, BUT IS NOT LIMITED TO TRENCHING, EXCAVATION AND ALL BACKFILL. NO ADDITIONAL PAYMENTS WILL BE MADE FOR BACKFILL.

STORM SEWER TRENCH

N.T.S.



STORM SEWER CLEAN OUT

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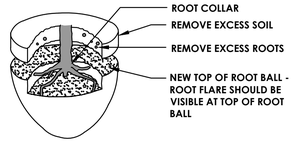
IT IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW AND THE COMMISSIONER'S REGULATIONS FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ARCHITECT, ENGINEER OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE SEAL OF AN ARCHITECT, ENGINEER OR SURVEYOR IS ALTERED, THE ALTERING PARTY SHALL AFFIX TO THE ITEM THEIR SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

SHEET INFORMATION

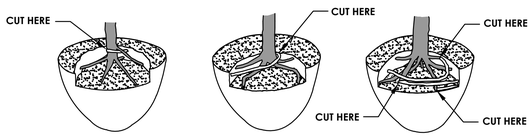
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9/27/2021
Project Status
BID DOCUMENTS
Drawn By
SHC
Checked By
JB
Drawing Title
DETAIL SHEET (3 OF 4)
Drawing Number
VG
C303

Plotted By: Sean Condon
Date last plotted: 9/23/2021 2:39 PM
Date last accessed: 9/23/2021 2:23 PM
Sheet size: 30x42
Drawing Name: S:\Projects\Newburgh ECSD\Vails Gate ES Addtn & Reno\D Design\06 CAD\AutoCAD\Civil\C3\Vails Gate Details.dwg

STEP 1 - REMOVE SOIL AND ROOTS OVER THE ROOT COLLAR



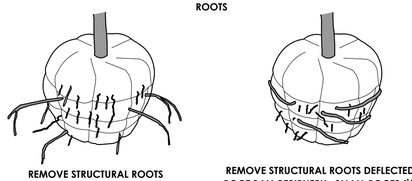
STEP 2 - REMOVE DEFECTS



REMOVE STRUCTURAL ROOTS WHICH WRAP THE ROOT COLLAR

REMOVE STRUCTURAL ROOTS WHICH ARE GROWING OVER OTHER STRUCTURAL ROOTS

REMOVE STRUCTURAL ROOTS WHICH WRAP THE ROOT COLLAR BY CUTTING THEM JUST BEFORE THEY MAKE AN ABRUPT TURN



REMOVE STRUCTURAL ROOTS WHICH EXTEND BEYOND THE ROOT BALL

REMOVE STRUCTURAL ROOTS DEFLECTED ON ROOT BALL PERIPHERY. SMALL ROOTS (¼" OR LESS) AT THE PERIPHERY OF THE ROOT BALL ARE NOT DEFINED AS DEFECTS AND DO NOT NEED TO BE REMOVED.

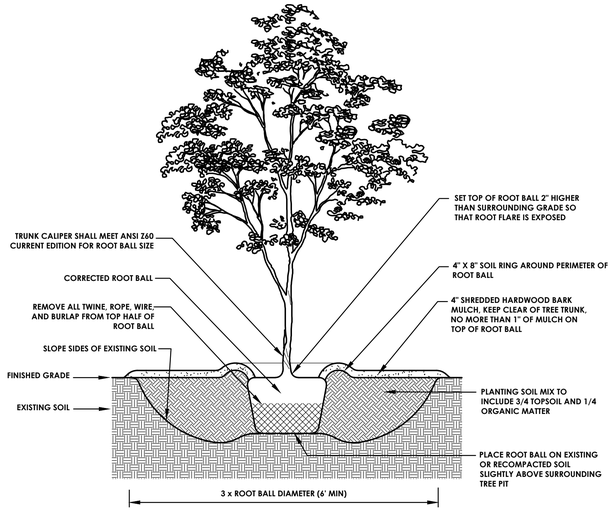
NOTES:

1. ALL TREES ARE REJECTABLE UNLESS THEY UNDERGO RECOMMENDED CORRECTION.

2. ADJUST HOLE DEPTH TO ACCOUNT FOR THE REMOVAL OF EXCESS SOIL AND ROOTS OVER THE COLLAR AND ACHIEVE APPROPRIATE ELEVATION OF ROOT FLARE.

ROOT CORRECTION FOR BALLED AND BURLAPPED PLANTS

N.T.S



NOTES:

1. DO NOT HEAVILY PRUNE TREES AT PLANTING. PRUNE ONLY CROSSOVER LIMBS, CO-DOMINANT LEADERS, AND BROKEN OR DEAD BRANCHES. SOME INTERIOR TWIGS AND LATERAL BRANCHES MAY BE PRUNED, HOWEVER, DO NOT REMOVE THE TERMINAL BUDS OF BRANCHES THAT EXTEND TO THE EDGE OF THE CROWN.

2. PRIOR TO MULCHING, LIGHTLY TAMP SOIL AROUND THE ROOT BALL IN 6" LIFTS TO BRACE TREE. DO NOT OVER COMPACT. WHEN PLANTING HOLE HAS BEEN BACKFILLED POUR WATER AROUND THE ROOT BALL TO SETTLE THE SOIL.

3. STAKE TREES ONLY UPON THE APPROVAL OF THE LANDSCAPE ARCHITECT.

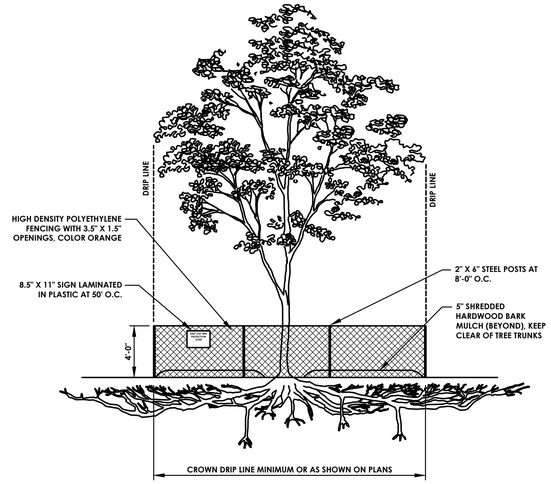
4. WRAP TREE TRUNKS ONLY UPON THE APPROVAL OF THE LANDSCAPE ARCHITECT.

5. MARK THE NORTH SIDE OF THE TREE AT THE NURSERY, AND ROTATE TREE TO FACE NORTH AT THE SITE WHENEVER POSSIBLE.

6. ROOT BALLS SHALL BE CORRECTED PRIOR TO PLANTING PER THE ROOT BALL CORRECTION DETAILS.

TREE PIT

N.T.S



NOTES:

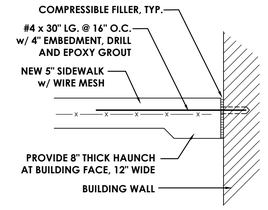
1. INDIVIDUAL TREES AND PLANT GROUPS TO RECEIVE THIS PROTECTIVE TREATMENT ARE INDICATED ON THE DEMOLITION PLAN. WHERE SPATIAL CONSTRAINTS PREVENT INSTALLATION OF THE FENCING AS SHOWN ON THE PLANS AND THIS DETAIL, CONSULT WITH THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.

2. NO CROWN OR ROOT PRUNING SHALL BE PERFORMED INSIDE OF THE PROTECTIVE FENCING EXCEPT BY AN APPROVED ARBORIST.

3. NO EQUIPMENT SHALL BE OPERATED INSIDE THE PROTECTIVE FENCING INCLUDING DURING THE TIMES OF FENCE INSTALLATION AND REMOVAL.

TREE PROTECTION FENCING

N.T.S



CONCRETE SLAB AT EXISTING DOORWAY

N.T.S

NOTE: THIS DETAIL APPLIES WHERE NEW CONCRETE PAVEMENT ABUTS BUILDING FOUNDATIONS AT EXISTING EXTERIOR BUILDING DOORS

CPL Architects and Engineers, Inc.
50 FRONT ST, SUITE 102
NEWBURGH, NY 12550
CPLteam.com

PROJECT INFORMATION

Project Number
13940.20

Client Name
NEWBURGH ENLARGED CITY SCHOOL DISTRICT

Project Name
PHASE 5: 2019 CAPITAL IMPROVEMENTS PROJECT
SED # 44-16-00-01-0-018-009

Project Address
400 Old Forge Hill Rd, New Windsor NY 12553

PROJECT REVISION SCHEDULE

No.	Date	Description

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SHEET INFORMATION

Issued
9/27/2021
Project Status
BID DOCUMENTS
Drawn By
SHC
Checked By
JB
Drawing Title
DETAIL SHEET (4 OF 4)
Drawing Number
VG
C304

Plotted By: Sean Condon
Date last plotted: 9/23/2021 2:41 PM
Date last accessed: 9/23/2021 2:23 PM
Sheet size: 30x42
Drawing Name: S:\Projects\Newburgh ECSD\Vails Gate ES Addtn & Reno\D Design\06 CAD\AutoCAD\Civil\C3\Vails Gate Details.dwg

ASBESTOS ABATEMENT GENERAL NOTES

1. ALL DRAWINGS ARE GRAPHIC REPRESENTATIONS OF APPROXIMATE LOCATIONS OF NEW MATERIALS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF WORK.
2. ALL ABATEMENT PROCEDURES TO BE IN ACCORDANCE WITH STANDARDS SET FORTH BY NEW YORK STATE DEPARTMENT OF LABOR INDUSTRIAL CODE RULE 56 AND ALL APPLICABLE REGULATIONS.
3. THE CONTRACTOR SHALL PATCH TO MATCH ANY DISTURBED AREAS AND FINISHES AS A RESULT OF THEIR ABATMENT WORK. ANY DAMAGE SHALL BE REPAIRED TO THE OWNER'S AND ARCHITECT'S SATISFACTION AT NO ADDITIONAL COST TO THE OWNER.
4. THE CONTRACTOR SHALL COORDINATE THE LOCATION OF THE ASBESTOS DUMPSTER WITH THE OWNER.
5. THE CONTRACTOR MAY APPLY FOR PROJECT SPECIFIC VARIANCES. USE OF SUCH VARIANCES ARE SUBJECT TO APPROVAL BY THE OWNER AND ARCHITECT.

REMOVE BY ABATEMENT, VCT FLOOR TILE, MASTIC AND WALL BASE. PREPARE SUBSTRATE FOR NEW CONSTRUCTION.



1 / HZ100.4

TRUE NORTH

ABATEMENT FLOOR PLAN - BASE BID - AREA 4 B

1/8" = 1'-0"

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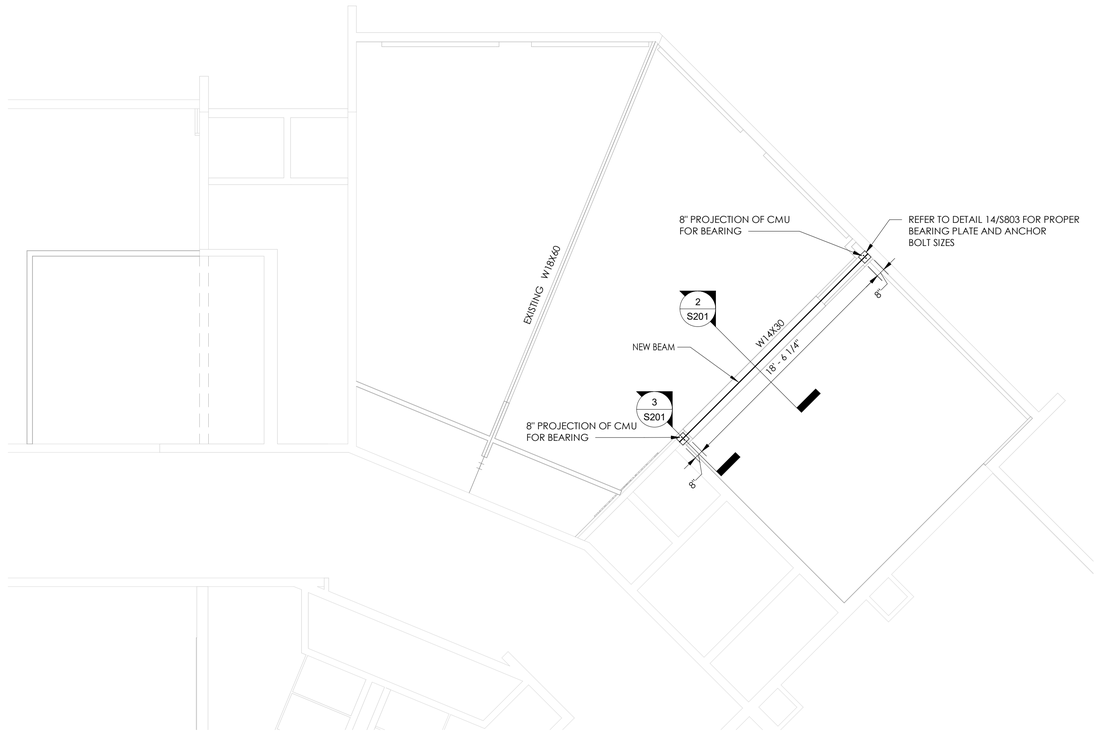
Issued
09/27/21
BID DOCUMENTS

Drawn By: BFM
Checked By: Checker

Drawing Title
ABATEMENT FLOOR PLAN - AREA 4 B

VG
HZ100.4

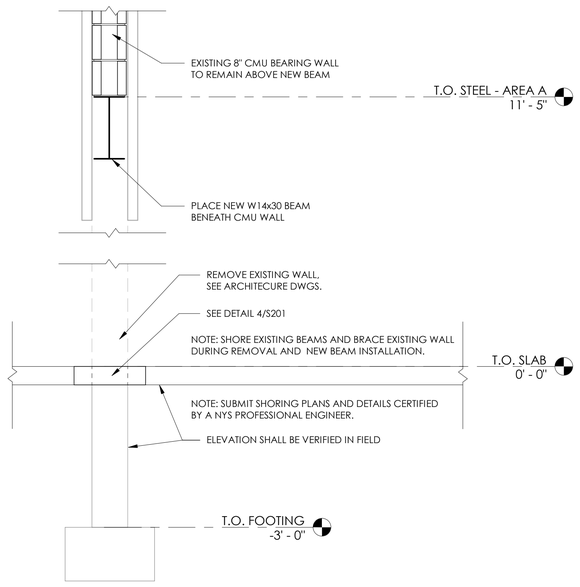
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1 S201 PARTIAL PLAN VIEW - AREA A

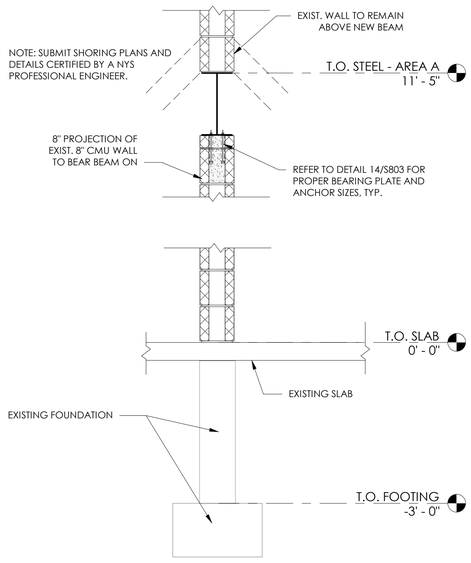
3/16" = 1'-0"

TRUE NORTH



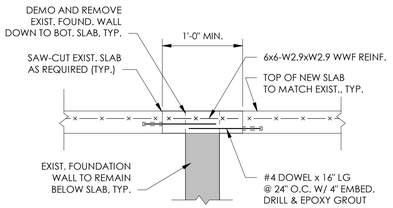
2 S201 SECTION

3/4" = 1'-0"



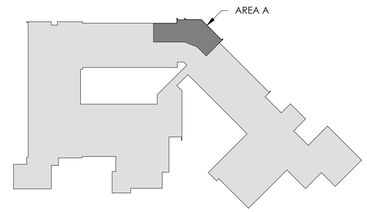
3 S201 SECTION

3/4" = 1'-0"



4 S201 EXISTING SLAB ON GRADE REPAIR

3/4" = 1'-0"



KEYPLAN

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PHASE 5: 2019 CAPITAL IMPROVEMENTS PROJECT

SED # 44-16-00-01-0-018-009

Project Address
400 Old Forge Hill Rd, New Windsor, NY 12553

PROJECT ISSUE SCHEDULE

No.	Date	Description
1		

STATE OF NEW YORK — JOSEPH P. RAUTH — 073807 — LICENSED PROFESSIONAL ENGINEER

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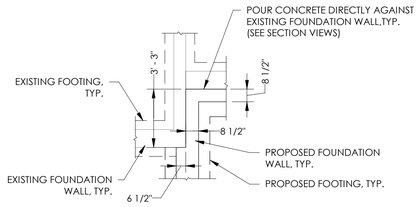
SHEET INFORMATION

Issued	Scale
09/27/21	As indicated
Project Status	
BID DOCUMENTS	
Drawn By	Checked By
SAW	JPR

Drawing Title
AREA A RENOVATIONS

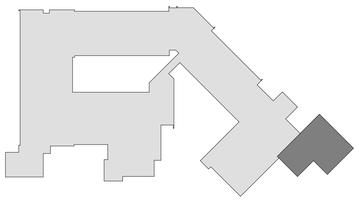
Drawing Number
VG
S201

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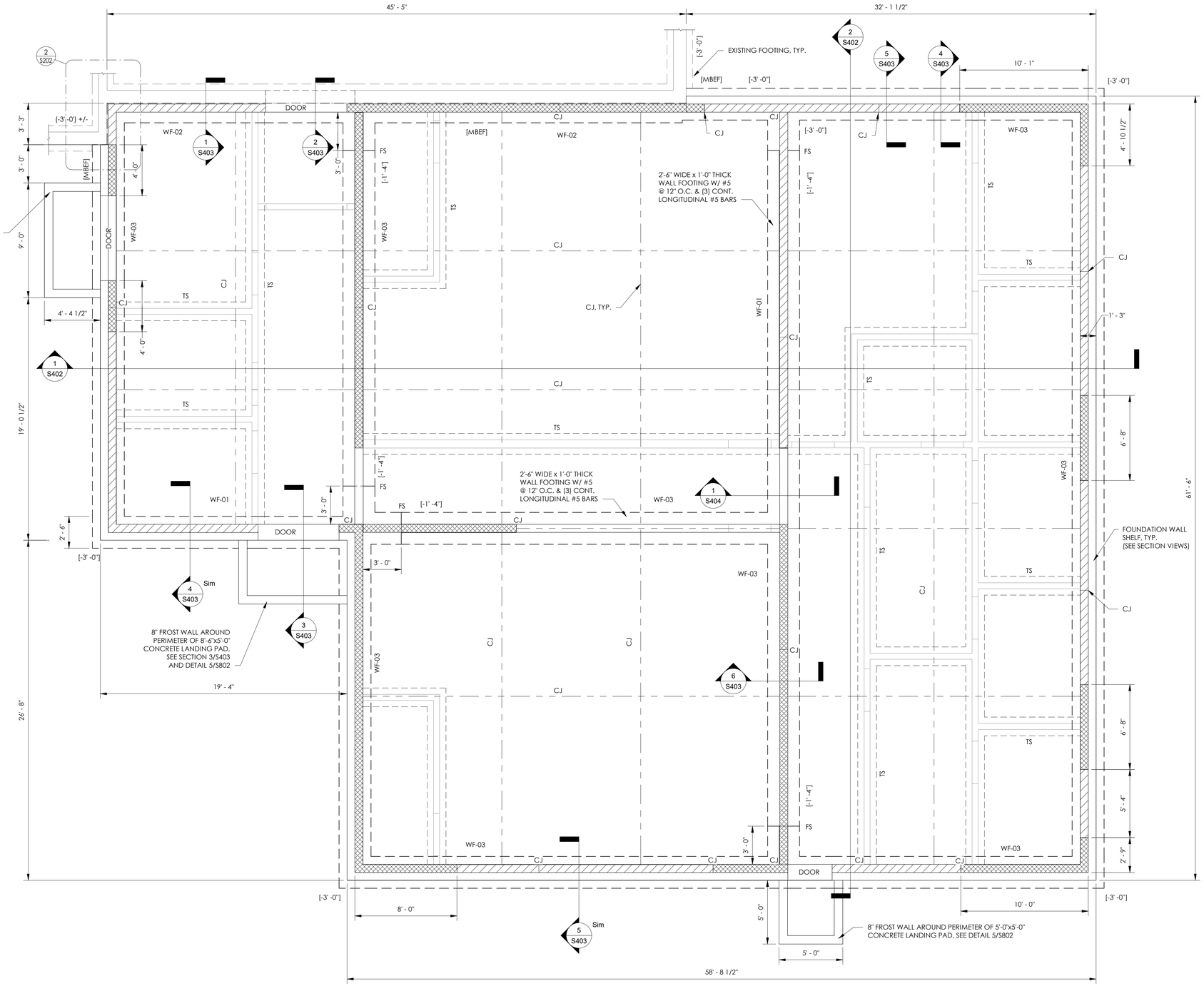


AREA 4 ADDITION- FOUNDATION PLAN - Callout 1

2 / S202 — 1/4" = 1'-0"



KEYPLAN



AREA 4 ADDITION- FOUNDATION PLAN

1 / S202 — 1/4" = 1'-0"

TRUE NORTH

FOUNDATION AND SLAB PLAN NOTES

1. DATUM **0'-0"** = ELEVATION 299'-0" = FINISHED FLOOR ELEVATION.
2. FOUNDATION DESIGN(S) IS BASED ON THE **GEOTECHNICAL** REPORT BY **QUALITY GEO ENGINEERING, P.C.**, DATED **SEPTEMBER 18, 2020**. THE CONTRACTOR SHALL OBTAIN A COPY OF THE REPORT AND REVIEW THE RECOMMENDATIONS AND REQUIREMENTS INCLUDED THEREIN PRIOR TO START OF CONSTRUCTION.
3. DESIGN ALLOWABLE SOIL BEARING CAPACITY IS **3,000** PSF (NATURAL SOILS OR FILL).
4. EXTERIOR FOOTING SHALL BEAR AT A MINIMUM OF **4'-0"** BELOW FINISHED GRADE UNLESS NOTED OTHERWISE.
5. TOP OF INTERIOR FOOTINGS SHALL BE AT [-8"] BELOW FINISHED FLOOR UNLESS NOTED OTHERWISE.
6. [XX'-XX"] DENOTES TOP OF PROPOSED FOOTING ELEVATION AS REFERENCED FROM FINISHED FLOOR SLAB.
7. (-XX'-XX") DENOTES TOP OF EXISTING FOOTING AS REFERENCED FROM FINISHED FLOOR ELEVATION. WHERE NEW FOOTING ABUTS EXISTING, MATCH BEARING ELEVATION OF EXISTING.
8. NO PIPES OR CONDUIT SHALL BE PLACED IN THE FOOTINGS. REFER TO PLUMBING AND ELECTRICAL DRAWINGS, AND UTILITY PLANS FOR ALL LOCATIONS AND ELEVATIONS OF PENETRATIONS THROUGH FOUNDATION WALLS. DO NOT EMBED PIPING WITHIN OR PASS PIPING VERTICALLY OR HORIZONTALLY THROUGH FOUNDATIONS WITHOUT REVIEW AND APPROVAL BY THE ENGINEER. STEP TOP OF FOOTINGS DOWN TO ALLOW PIPES OR CONDUIT TO RUN OVER TOP OF FOOTINGS.
9. FOOTINGS SHALL BE CENTERED ABOUT COLUMN LINES AND FOUNDATION WALLS UNLESS NOTED OTHERWISE.
10. CONCRETE SLAB-ON-GRADE SHALL BE **5"** THICK, NORMAL WEIGHT CONCRETE W/ 6x6-W2.9xW2.9 WWF, UNLESS NOTED OTHERWISE, OVER VAPOR BARRIER AND **6"** COMPACTED CRUSHED STONE.
11. GROUT ALL MASONRY BLOCK CORES SOLID CONTINUOUSLY BELOW FINISH FLOOR, AND THE FIRST TWO COURSES ABOVE FOUNDATION WALL AND SLABS.
12. THICKEN SLAB AND PROVIDE ADDITIONAL REINFORCEMENT AT INTERIOR NON-LOAD BEARING CMU WALLS PER TYPICAL DETAILS. REFER TO ARCHITECTURAL DRAWINGS FOR CMU WALL LOCATIONS AND SIZES.
13. REFER TO ARCHITECTURAL DRAWINGS FOR FLOOR FINISHES, FLOOR DRAINS, FLOOR SLOPES, DEPRESSED/RAISED SLAB AREAS, AND WATERPROOFING.
14. REFER TO DRAWING **S800** FOR ALL DESIGN LOADS AND OTHER INFORMATION PERTINENT TO THE STRUCTURAL DESIGN.
15. REFER TO DRAWING S801 FOR FOOTING SCHEDULE.
16. THE FOLLOWING DENOTES SYMBOL REPRESENTATION:

FS	=	FOOTING STEP
FD	=	FLOOR DRAIN
CJ	=	CONTROL JOINTS
TS	=	THICKENED SLAB
WF	=	WALL FOUNDATION

LEGEND

8" CMU BEARING WALL
SEE MASONRY WALL REINF. SCHED.
ON DWG. S801 FOR REINFORCEMENT, TYP.

8" CMU SHEAR WALL WITH (2) # 5 BARS ON EACH END.
SEE MASONRY WALL REINF. SCHED.
ON DWG. S801 FOR OTHER REINFORCEMENT,TYP.

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Project Name
PHASE 5: 2019 CAPITAL IMPROVEMENTS PROJECT
SED # 44-16-00-01-0-018-009

Project Address
400 Old Forge Hill Rd, New Windsor, NY 12553

PROJECT ISSUE SCHEDULE

No.	Date	Description
1		

STATE OF NEW YORK — JOSEPH P. RASPA — LICENSED PROFESSIONAL ENGINEER — 073861

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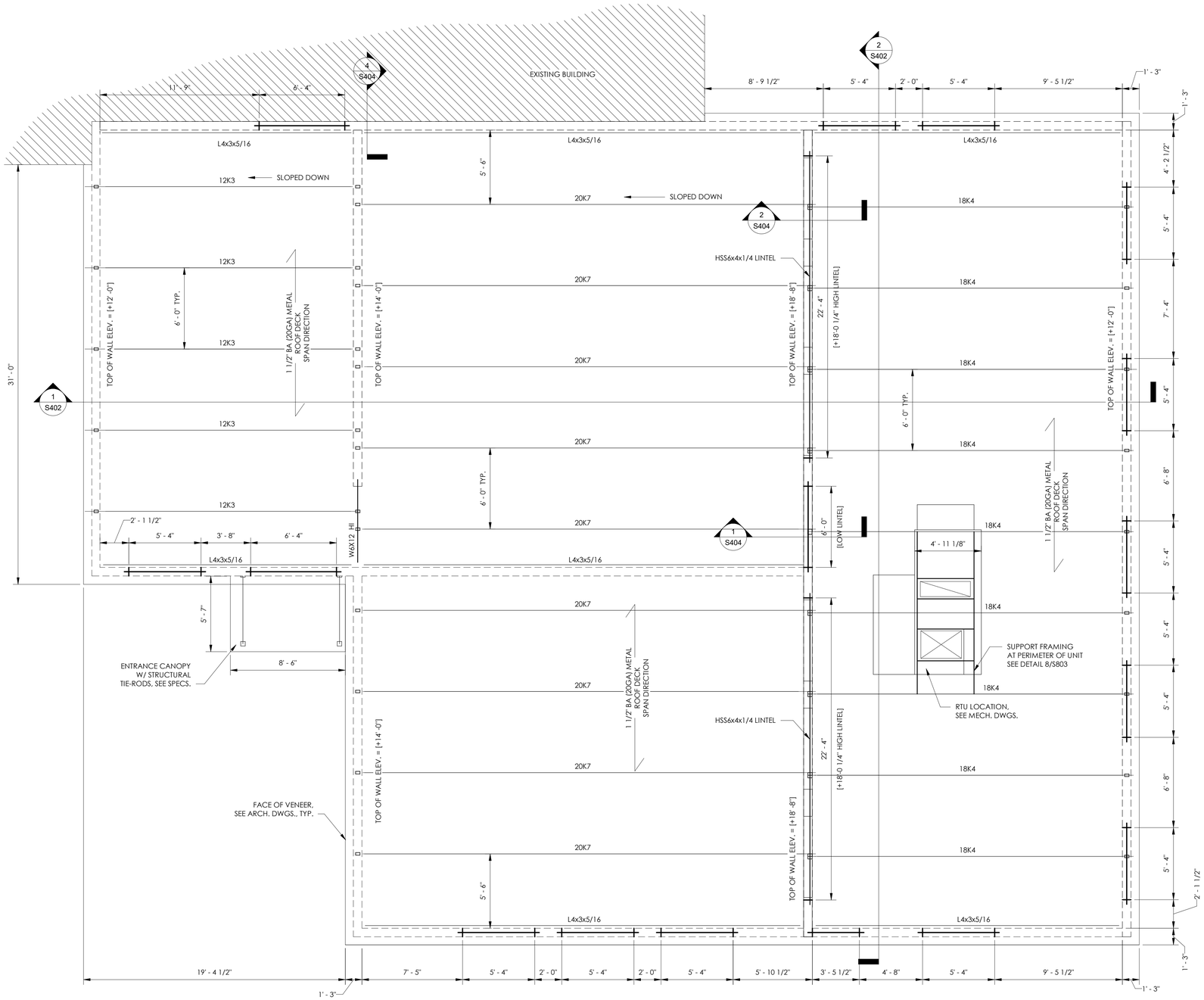
Project Status
BID DOCUMENTS

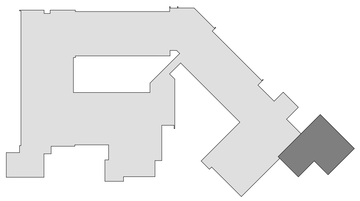
Drawn By	Checked By
SAW	JPR

Drawing Title
AREA 4 NEW ADDITION FOUNDATION PLAN

Drawing Number
VG
S202

9/23/2021 3:58:27 PM S:\Projects\Newburgh ECSD\Vails Gate ES Addtn & Reno\CD Design\08 CAD\Revit\CENTRAL FILES





N

KEYPLAN

ROOF FRAMING PLAN NOTES

1. TOP OF STEEL ELEVATION NOTED BY [X'-X"].
2. METAL ROOF DECK SHALL BE 20 GAGE, 1 1/2" WIDE RIB, UNLESS NOTED OTHERWISE.
3. ROOFTOP UNIT WEIGHTS IF SHOWN SHALL BE VERIFIED WITH MANUFACTURER BY CONTRACTOR. CONTRACTOR TO NOTIFY ENGINEER PRIOR TO INSTALLING ROOFTOP UNITS IF UNIT OPERATING WEIGHT EXCEEDS VALUE LISTED ON PLAN.
4. REFER TO ARCHITECTURAL, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR PENETRATIONS NOT SHOWN, AND ALL LOCATIONS SEE TYPICAL DETAILS FOR ADDITIONAL REINFORCEMENT REQUIREMENTS AT OPENINGS. CONTRACTOR TO COORDINATE.
5. PROVIDE JOIST BRIDGING PER THE REQUIREMENTS OF THE STEEL JOIST INSTITUTE. CONTRACTOR TO COORDINATE LOCATIONS OF REQUIRED HORIZONTAL BRIDGING WITH MECHANICAL DRAWINGS.

TRUE :T NORTH

1 S203

ROOF FRAMING PLAN - AREA 4 ADDITION

1/4" = 1'-0"

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50 FRONT ST. SUITE 102
NEWBURGH, NY 12550
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PROJECT INFORMATION

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NEWBURGH ENLARGED CITY SCHOOL DISTRICT

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PHASE 5: 2019 CAPITAL IMPROVEMENTS PROJECT
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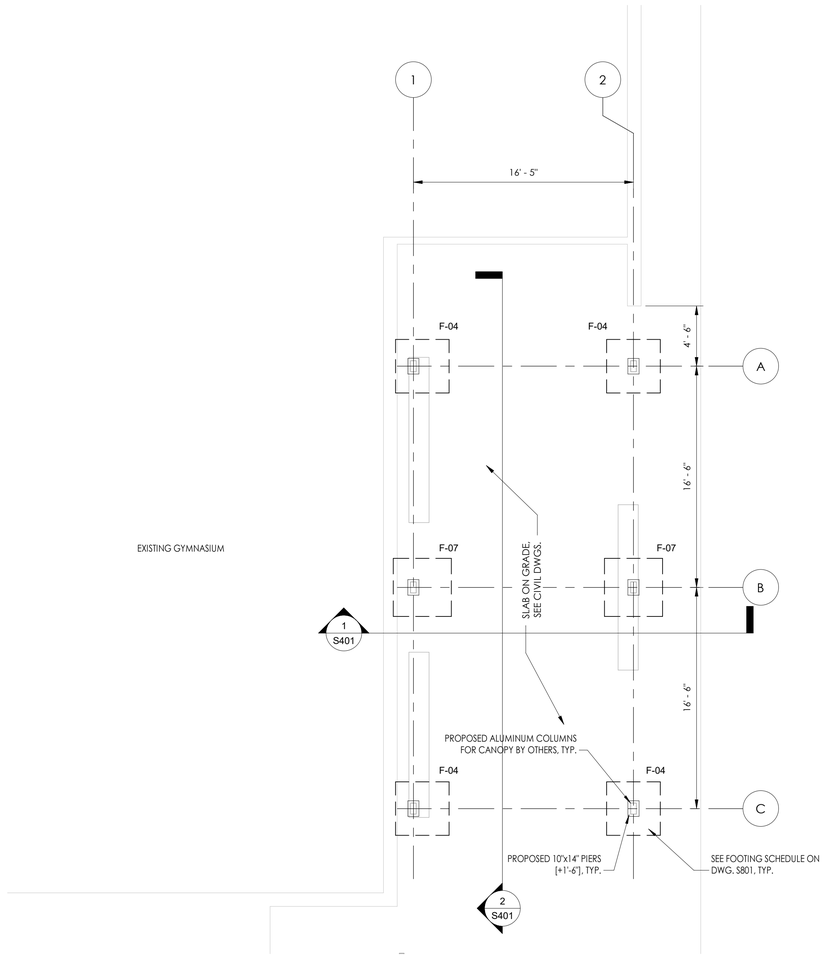
Project Status
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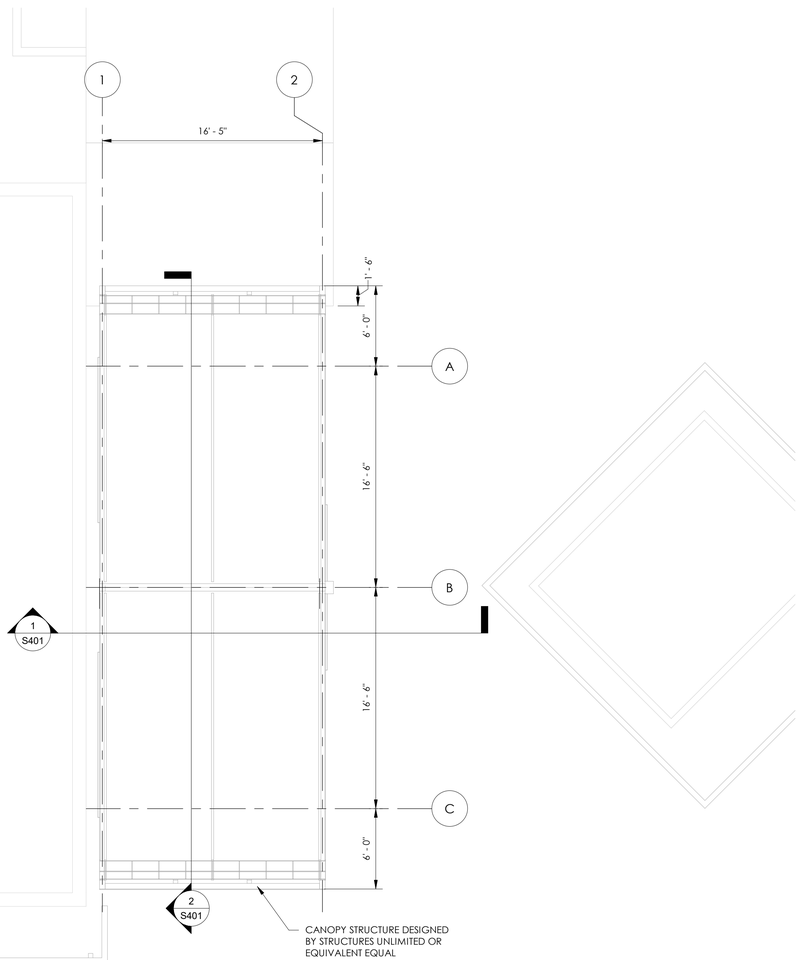
Drawn By	Checked By
SAW	JPR

Drawing Title
AREA 4 NEW ADDITION ROOF FRAMING PLAN

Drawing Number
VG
S203

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1 S204 FOUNDATION PLAN - NEW CANOPY

3/16" = 1'-0"

TRUE NORTH

FOUNDATION AND SLAB PLAN NOTES

1. DATUM **2'-0"** = ELEVATION 301'-0" = FINISHED SLAB ELEVATION.
2. FOUNDATION DESIGN(S) IS BASED ON THE **GEOTECHNICAL** REPORT BY **QUALITY GEO ENGINEERING, P.C.**, DATED **SEPTEMBER 18, 2020**. THE CONTRACTOR SHALL OBTAIN A COPY OF THE REPORT AND REVIEW THE RECOMMENDATIONS AND REQUIREMENTS INCLUDED THEREIN PRIOR TO START OF CONSTRUCTION.
3. ASSUMED DESIGN ALLOWABLE SOIL BEARING CAPACITY IS **3000** PSF (NATURAL SOILS OR FILL).
4. EXTERIOR FOOTING SHALL BEAR AT A MINIMUM OF **4'-0"** BELOW FINISHED GRADE UNLESS NOTED OTHERWISE.
5. TOP OF INTERIOR FOOTINGS SHALL BE AT [-8"] BELOW FINISHED FLOOR UNLESS NOTED OTHERWISE. TOP OF PIERS/FOOTINGS OF COLUMNS/WALLS SUPPORTING A ROOF DRAIN LEADER SHALL BE RECESSED FROM FINISH FLOOR BY A MINIMUM OF 12-INCHES. FOR CONTINUOUS WALL FOOTINGS THE ABOVE CITED RECESS SHALL BE A MINIMUM OF 2'-0" WIDE. MAINTAIN REQUIRED FOOTING THICKNESS AT ALL TIMES. CONTRACTOR TO COORDINATE DRAIN LOCATIONS AND ELEVATIONS WITH FOUNDATION ELEMENTS AND NOTIFY ARCHITECT AND ENGINEER IF ANY CONFLICTS EXIST.
6. [XX'-XX"] DENOTES TOP OF PROPOSED FOOTING ELEVATION AS REFERENCED FROM FINISHED FLOOR SLAB.
7. (-XX'-XX") DENOTES TOP OF EXISTING FOOTING AS REFERENCED FROM FINISHED FLOOR ELEVATION. WHERE NEW FOOTING ABUTS EXISTING, MATCH BEARING ELEVATION OF EXISTING.
8. NO PIPES OR CONDUIT SHALL BE PLACED IN THE FOOTINGS. REFER TO PLUMBING AND ELECTRICAL DRAWINGS, AND UTILITY PLANS FOR ALL LOCATIONS AND ELEVATIONS OF PENETRATIONS THROUGH FOUNDATION WALLS. DO NOT EMBED PIPING WITHIN OR PASS PIPING VERTICALLY OR HORIZONTALLY THROUGH FOUNDATIONS WITHOUT REVIEW AND APPROVAL BY THE ENGINEER. STEP TOP OF FOOTINGS DOWN TO ALLOW PIPES OR CONDUIT TO RUN OVER TOP OF FOOTINGS.
9. FOOTINGS SHALL BE CENTERED ABOUT COLUMN LINES AND FOUNDATION WALLS UNLESS NOTED OTHERWISE.
10. CONCRETE SLAB-ON-GRADE SHALL BE **5"** THICK. NORMAL WEIGHT REINFORCED CONCRETE UNLESS NOTED OTHERWISE. OVER VAPOR BARRIER AND **6"** COMPACTED CRUSHED STONE.
11. GROUT ALL MASONRY BLOCK CORES SOLID CONTINUOUSLY BELOW FINISH FLOOR, AND THE FIRST TWO COURSES ABOVE FOUNDATION WALL AND SLABS.
12. THICKEN SLAB AND PROVIDE ADDITIONAL REINFORCEMENT AT INTERIOR NON-LOAD BEARING CMU WALLS PER TYPICAL DETAILS. REFER TO ARCHITECTURAL DRAWINGS FOR CMU WALL LOCATIONS AND SIZES.
13. REFER TO ARCHITECTURAL DRAWINGS FOR FLOOR FINISHES, FLOOR DRAINS, FLOOR SLOPES, DEPRESSED/RAISED SLAB AREAS, AND WATERPROOFING.
14. ALL STEEL COLUMNS AND ASSOCIATED ELEMENTS BELOW GRADE SHALL BE TWICE COATED WITH A BITUMINOUS COATING.
15. REFER TO DRAWING **S800** FOR ALL DESIGN LOADS AND OTHER INFORMATION PERTINENT TO THE STRUCTURAL DESIGN.
16. THE FOLLOWING DENOTES SYMBOL REPRESENTATION:
    FX = SPREAD FOOTING MARKS
    CJ = SLAB CONTROL JOINTS

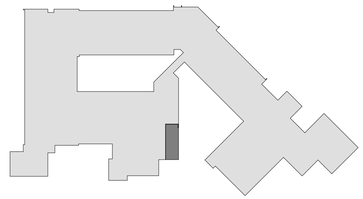
2 S204 T.O. STEEL - NEW CANOPY

3/16" = 1'-0"

TRUE NORTH

ROOF FRAMING PLAN NOTES

1. ENTIRE CANOPY STRUCTURE FROM TOP OF PIER UP IS TO BE DESIGNED BY KALWALL STRUCTURES UNLIMITED OR EQUIVALENT EQUAL.
2. REFER TO ARCHITECTURAL, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR PENETRATIONS NOT SHOWN, AND ALL LOCATIONS SEE TYPICAL DETAILS FOR ADDITIONAL REINFORCEMENT REQUIREMENTS AT OPENINGS. CONTRACTOR TO COORDINATE.
3. THE FOLLOWING DENOTE SYMBOL REPRESENTATION:
    [##] = SHEAR CONNECTORS
    ► = MOMENT CONNECTION
    ##k = BEAM END REACTION



KEYPLAN

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PROJECT INFORMATION

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13940.20

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NEWBURGH ENLARGED CITY SCHOOL DISTRICT

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PHASE 5: 2019 CAPITAL IMPROVEMENTS PROJECT
SED # 44-16-00-01-0-018-009

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PROJECT ISSUE SCHEDULE

No.	Date	Description
1		



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SHEET INFORMATION

Issued	Scale
09/27/21	As indicated

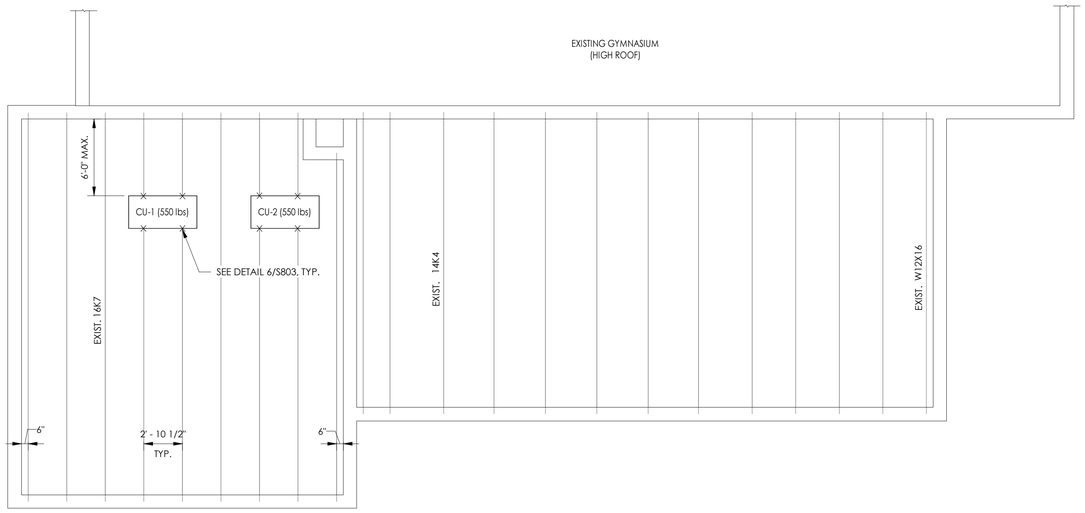
Project Status
BID DOCUMENTS

Drawn By	Checked By
SAW	JPR

Drawing Title
MAIN ENTRANCE CANOPY

Drawing Number
VG
S204

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T.O. STEEL - HVAC AREA 1 (GYMNASIUM)

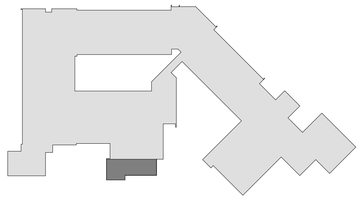
1 / S205

3/16" = 1'-0"

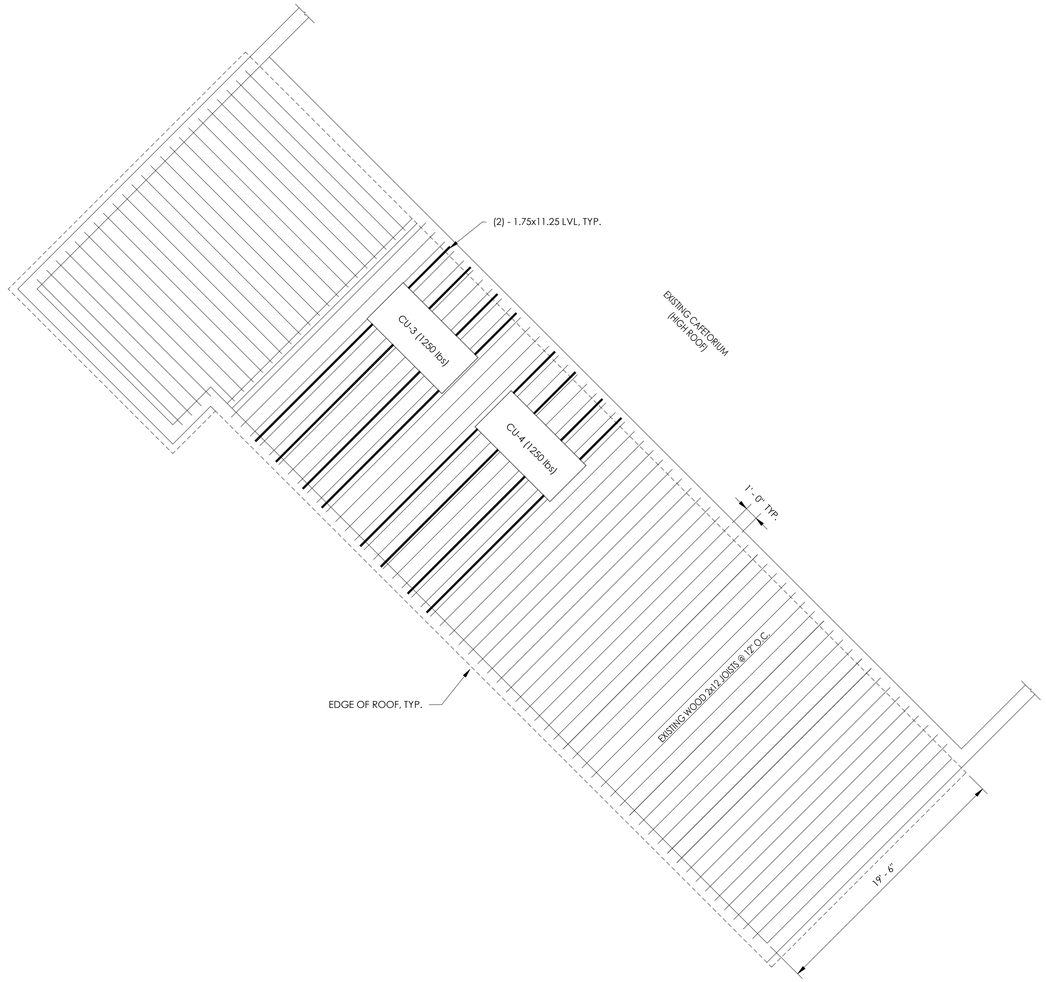
TRUE NORTH

ROOF FRAMING PLAN NOTES

1. ROOFTOP UNIT WEIGHTS IF SHOWN SHALL BE VERIFIED WITH MANUFACTURER BY CONTRACTOR. CONTRACTOR TO NOTIFY ENGINEER PRIOR TO INSTALLING ROOFTOP UNITS IF UNIT OPERATING WEIGHT EXCEEDS VALUE LISTED ON PLAN.
2. REFER TO ARCHITECTURAL, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR PENETRATIONS NOT SHOWN, AND ALL LOCATIONS SEE TYPICAL DETAILS FOR ADDITIONAL REINFORCEMENT REQUIREMENTS AT OPENINGS. CONTRACTOR TO COORDINATE.



KEYPLAN



T.O. STEEL - HVAC AREA 4 (CAFETORIUM)

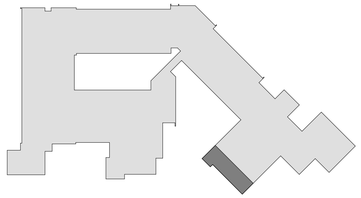
2 / S205

3/16" = 1'-0"

TRUE NORTH

LVL FRAMING NOTES

1. LAMINATED VENEER LUMBER (L.V.L.) BEAMS SHALL BE GRADED DOUGLAS FIR:
   A. MINIMUM ALLOWABLE BENDING STRESS 2,800 PSI.
   B. MINIMUM ALLOABLE HORIZONTAL SHEAR STRESS 285 PSI.
   C. MINIMUM ALLOWABLE MODULUS OF ELASTICITY 1,900,00 PSI.



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Issued
09/27/21

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As indicated

Project Status
BID DOCUMENTS

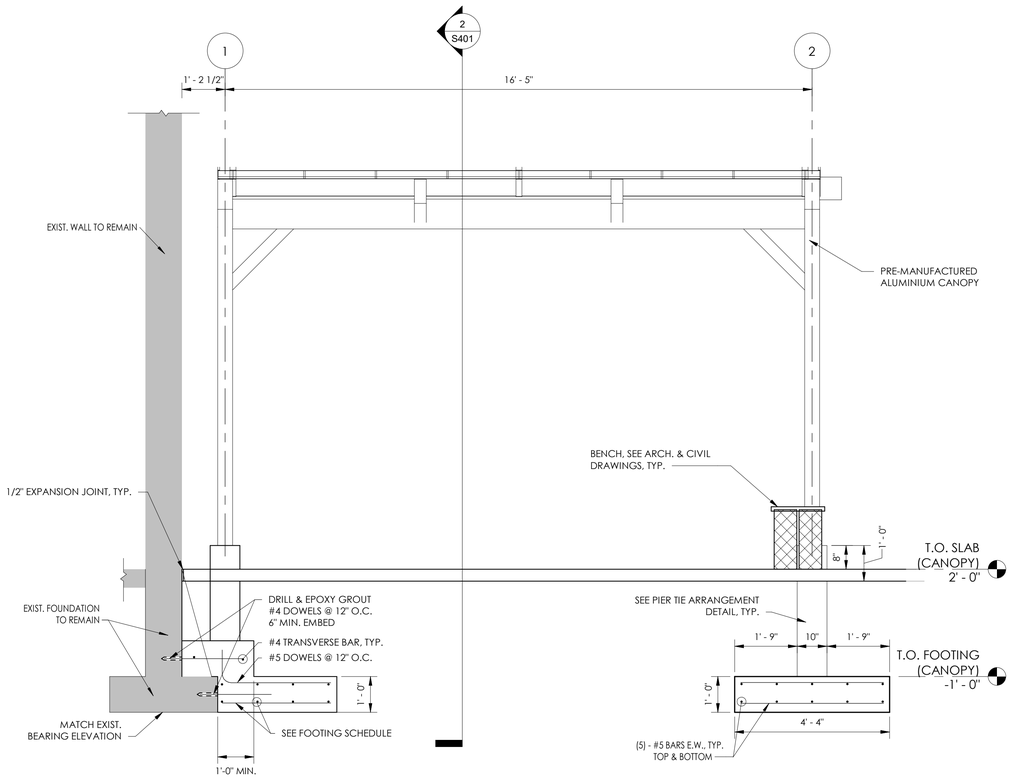
Drawn By
SAW

Checked By
JPR

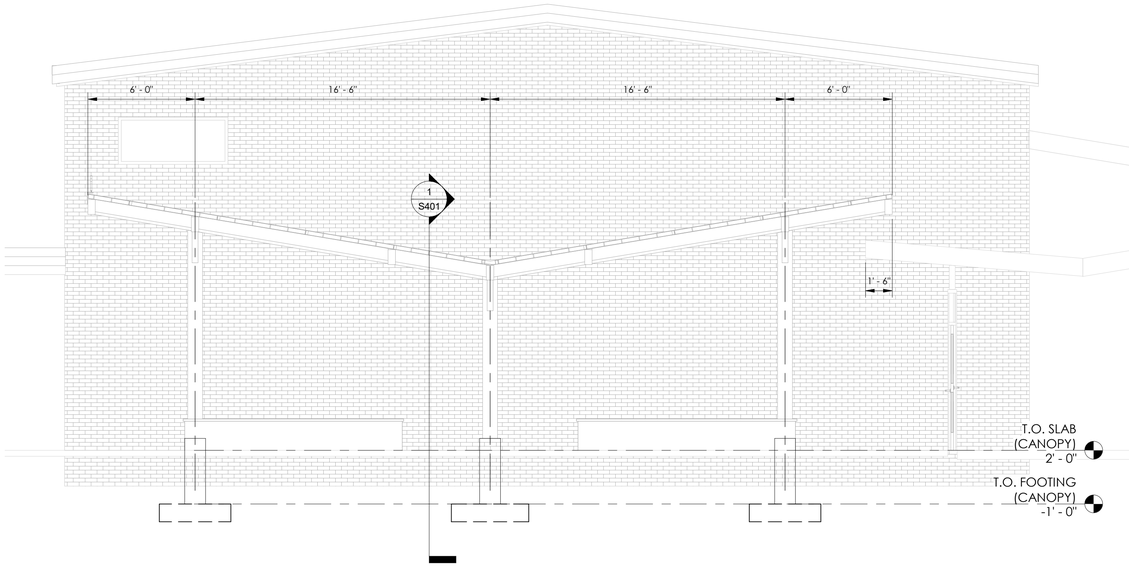
Drawing Title
HVAC REINFORCEMENT PLAN VIEWS

Drawing Number
VG
S205

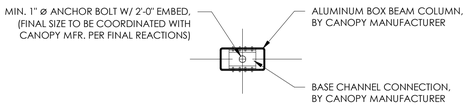
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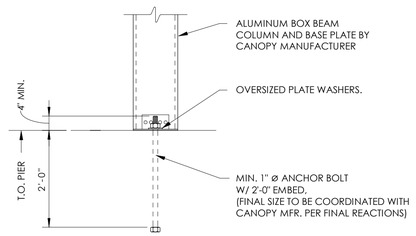
1 S401 SECTION
1/2" = 1'-0"



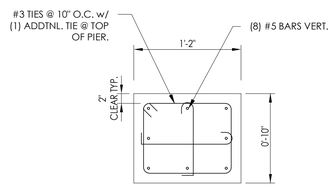
2 S401 SECTION
1/4" = 1'-0"



BASE CHANNEL CONNECTION



COLUMN BASE ARRANGEMENT



PIER TIE ARRANGEMENT

3 S401 PIER TIE ARRANGEMENT DETAIL
N.T.S.

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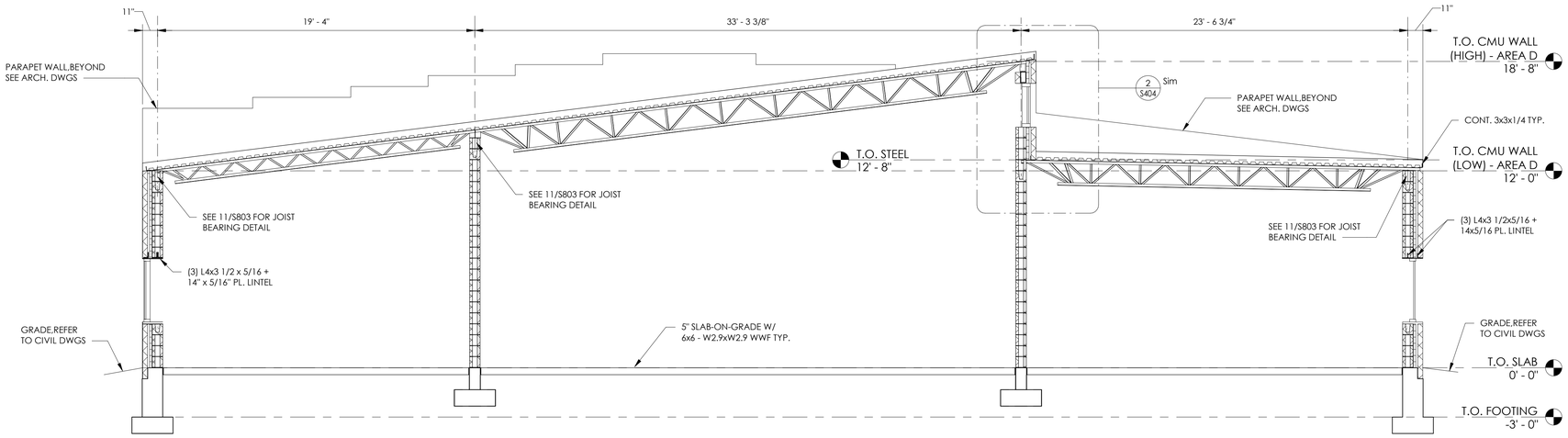
Project Status
BID DOCUMENTS

Drawn By	Checked By
SAW	JPR

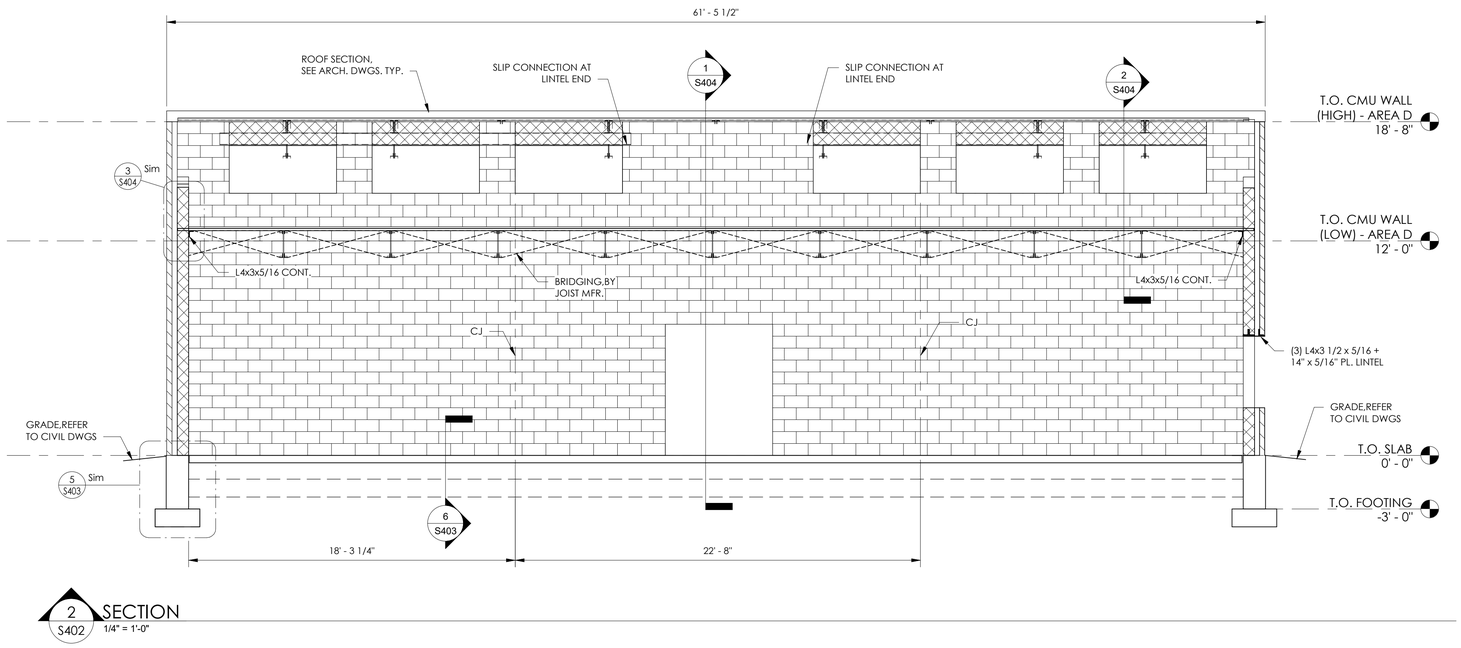
Drawing Title
MAIN ENTRANCE CANOPY SECTIONS

Drawing Number
VG
S401

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1 S402 SECTION
1/4" = 1'-0"



2 S402 SECTION
1/4" = 1'-0"

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STATE OF NEW YORK
JOSEPH P. RAUCH JR.
073807
LICENSED PROFESSIONAL ENGINEER

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Scale
1/4" = 1'-0"

Project Status
BID DOCUMENTS

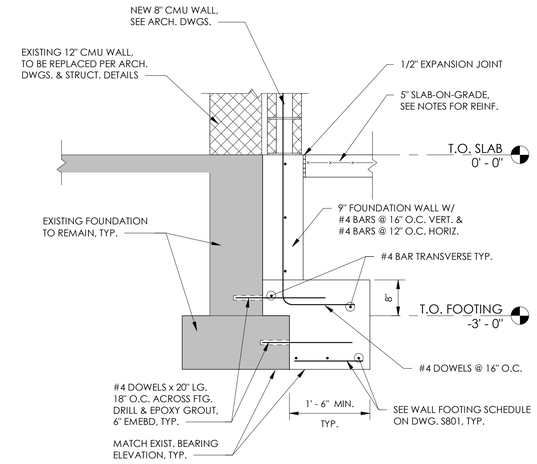
Drawn By
SAW

Checked By
JPR

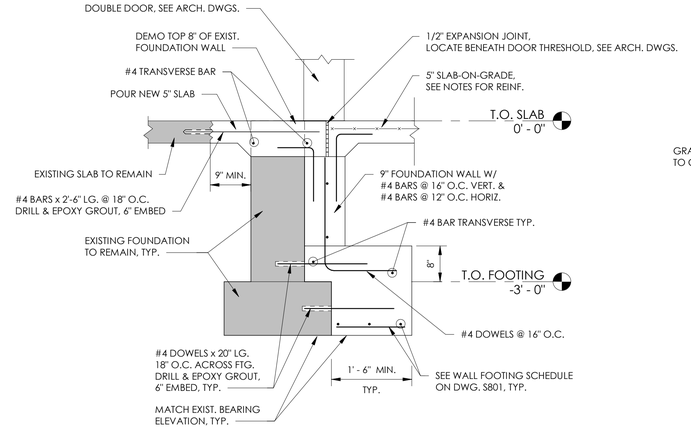
Drawing Title
AREA 4 NEW ADDITION OVERALL SECTIONS

Drawing Number
VG
S402

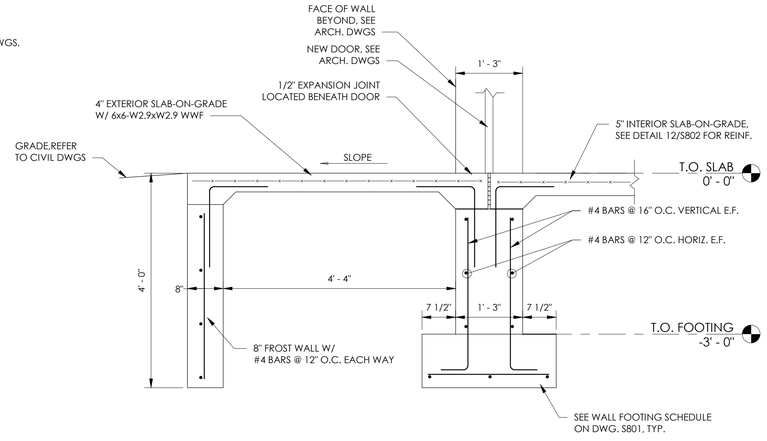
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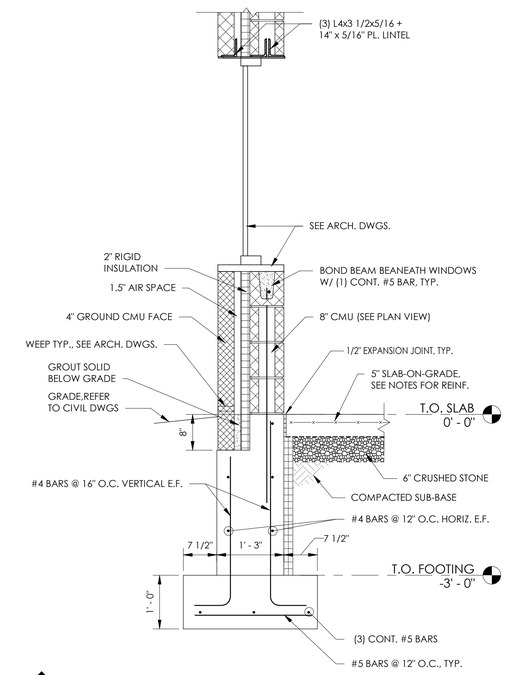
1 S403 SECTION
3/4" = 1'-0"



2 S403 SECTION
3/4" = 1'-0"

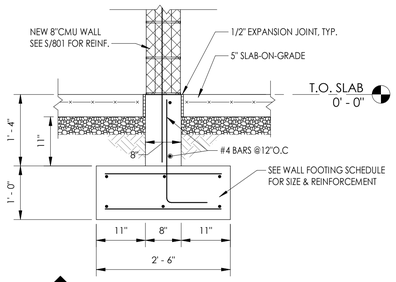


3 S403 SECTION
3/4" = 1'-0"



4 S403 SECTION
3/4" = 1'-0"

5 S403 SECTION
3/4" = 1'-0"



6 S403 SECTION
3/4" = 1'-0"

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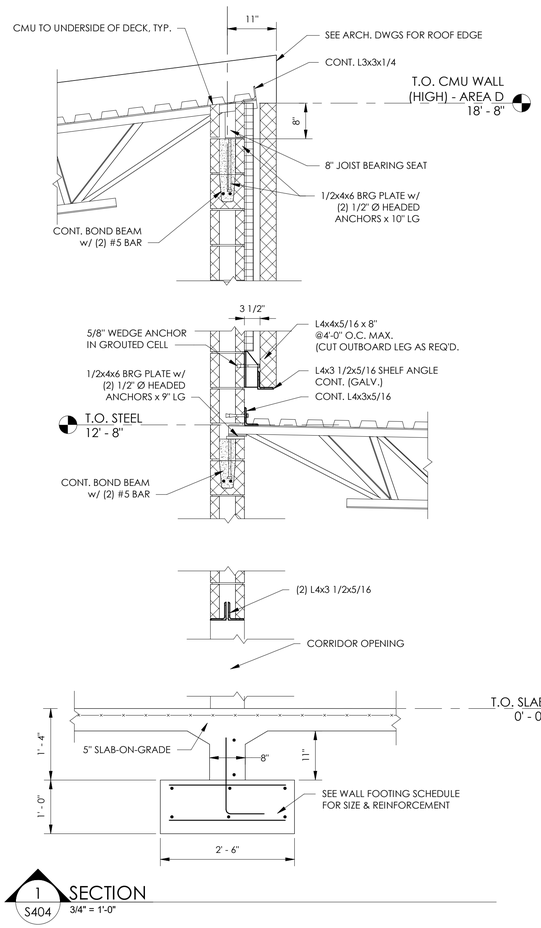
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BID DOCUMENTS

Drawn By	Checked By
SAW	JPR

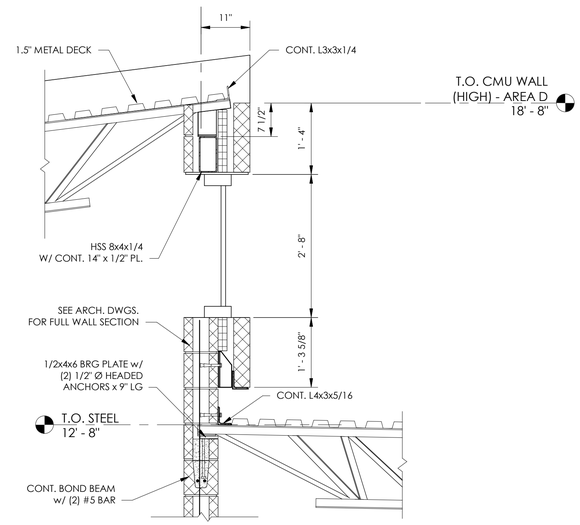
Drawing Title
AREA 4 NEW ADDITION
FOUNDATION SECTIONS

Drawing Number
VG
S403

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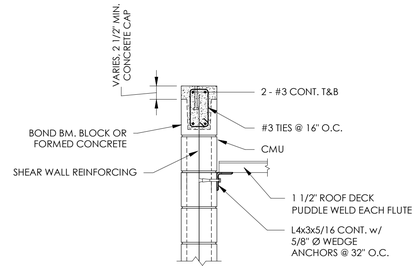


1 S404 SECTION
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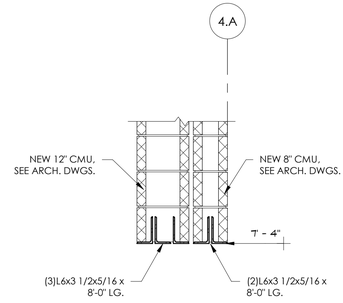


DETAIL NOTES:
1. COORDINATE JOIST CONNECTION METHOD WITH MANUFACTURER'S REQUIREMENTS.

2 S404 SECTION
3/4" = 1'-0"



3 S404 SECTION
3/4" = 1'-0"



4 S404 SECTION
3/4" = 1'-0"

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Issued
09/27/21

Scale
3/4" = 1'-0"

Project Status
BID DOCUMENTS

Drawn By
SAW

Checked By
JPR

Drawing Title
AREA 4 NEW ADDITION FRAMING SECTIONS

Drawing Number
VG
S404

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GENERAL NOTES

1. THE STRUCTURE SHOWN ON THESE DRAWING IS SOUND ONLY IN ITS COMPLETED FORM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE DESIGN, ADEQUACY, SAFETY AND STABILITY OF TEMPORARY ERECTION BRACING AND SHORING.
2. WHERE A DETAIL, TYPICAL DETAIL, SECTION, TYPICAL SECTION OR PLAN NOTE IS SHOWN FOR ONE CONDITION, IT SHALL APPLY FOR ALL SIMILAR OR LIKE CONDITIONS UNLESS NOTED OTHERWISE.
3. ALL DESIGN, INCLUDING MATERIAL STRESSES AND METHODS OF CONSTRUCTION SHALL BE IN COMPLIANCE WITH THE 2020 BUILDING CODE OF NEW YORK STATE, THE UNIFORM BUILDING CODE, OSHA AND GOVERNING AGENCIES HAVING JURISDICTION.
4. REFER TO THE "SPECIAL INSPECTIONS" SECTION OF THE SPECIFICATIONS FOR PROJECT REQUIREMENTS AND PERTINENT INFORMATION.
5. THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS, ELEVATIONS AND SITE CONDITIONS SHOWN ON THE DRAWINGS AND IMMEDIATELY NOTIFY THE OWNER'S REPRESENTATIVE OF ANY DISCREPANCIES PRIOR TO ORDERING OR FABRICATING MATERIALS OR OTHERWISE PROCEEDING WITH THE WORK.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES IN ORDER TO COMPLY WITH THE CONSTRUCTION DOCUMENTS. THE CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIAL, EQUIPMENT AND SERVICES REQUIRED TO EXECUTE AND COMPLETE ALL ITEMS OF WORK AS SHOWN OR INDICATED ON THE DRAWINGS AND AS SPECIFIED HEREIN, INCLUDING INCIDENTAL ITEMS TO EFFECT A FINISHED AND COMPLETE JOB, EVEN THOUGH SUCH ITEMS ARE NOT SHOWN OR PARTICULARLY MENTIONED.
7. THE ENGINEER IS NOT RESPONSIBLE FOR THE DESIGN OF STEEL STAIRS, PRECAST CONCRETE, HANDRAILS, CURTAIN WALL/WINDOW SYSTEMS, COLD-FORMED METAL FRAMING, OR OTHER SYSTEMS NOT SHOWN ON THE STRUCTURAL DRAWINGS. SUCH SYSTEMS SHALL BE DESIGNED, FURNISHED, AND INSTALLED AS REQUIRED BY OTHER PORTIONS OF THE CONTRACT DOCUMENTS.
8. THE GENERAL CONTRACTOR SHALL USE CONSTRUCTION METHODS THAT ARE IN STRICT ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
9. CONTRACTOR SHALL BE COMPLETELY RESPONSIBLE FOR ADEQUATELY SHORING EXISTING CONSTRUCTION WHILE PERFORMING NEW WORK.
10. DIMENSIONS ARE NOT TO BE DERIVED BY SCALING THESE DRAWINGS. IF THERE ARE ANY QUESTIONS REGARDING DIMENSIONS, CONTACT THE ARCHITECT/ENGINEER FOR INFORMATION PRIOR TO SUBMITTING SHOP DRAWINGS.
11. THE CONTRACTOR SHALL COORDINATE ALL STRUCTURAL WORK WITH THE ARCHITECTURAL AND MECHANICAL DRAWINGS AND SPECIFICATIONS, AND WITH THE WORK OF ALL OTHER TRADES.
12. THE CONTRACTOR SHALL COORDINATE ALL SIZES AND LOCATIONS OF FLOOR, ROOF AND WALL PENETRATIONS WITH MECHANICAL, PLUMBING AND ARCHITECTURAL DRAWINGS. ALL PENETRATIONS NOT SHOWN ON STRUCTURAL DRAWINGS MUST BE APPROVED BY THE ENGINEER UNLESS NOTED OTHERWISE.
13. THE CONTRACTOR SHALL RESTORE TO ITS ORIGINAL CONDITION ALL SITE APPURTENANCES DAMAGED UNDER THIS CONTRACT AT NO ADDITIONAL COST TO THE OWNER.
14. INFORMATION IN THESE STRUCTURAL NOTES IS A SELECTED SUMMARY OF REQUIREMENTS. REFER TO SPECIFICATIONS FOR AMPLIFICATIONS OF REQUIREMENTS.
15. WHERE MEMBER LOCATIONS ARE NOT SPECIFICALLY DIMENSIONED, MEMBERS ARE EITHER LOCATED ON COLUMN LINES OR ARE EQUALLY SPACED BETWEEN LOCATED MEMBERS.
16. THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR CONSTRUCTION SAFETY.

EXISTING CONSTRUCTION NOTES

1. BEFORE PROCEEDING WITH ANY WORK WITHIN THE EXISTING FACILITY, THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS OF THE EXISTING BUILDING AT THE JOB SITE AND REPORT ANY DISCREPANCIES FROM ASSUMED CONDITIONS SHOWN ON THE DRAWINGS TO THE ARCHITECT AND ENGINEER PRIOR TO THE FABRICATION AND ERECTION OF ANY MEMBERS.
2. THE CONTRACTOR SHALL FIELD VERIFY THE DIMENSIONS, ELEVATIONS, ETC. NECESSARY FOR THE PROPER CONSTRUCTION AND ALIGNMENT OF THE NEW WORK TO THE EXISTING WORK.
3. WORK SHOWN ON THE DRAWINGS IS NEW, UNLESS NOTED AS EXISTING.
4. EXISTING CONSTRUCTION SHOWN ON THE DRAWINGS WAS OBTAINED FROM DRAWINGS PREPARED BY THE FIRM OF MARCH ASSOCIATES, DATED JANUARY 01, 1995 AND LIMITED SITE OBSERVATION. THESE DRAWINGS OF EXISTING CONSTRUCTION ARE AVAILABLE FOR CONTRACTOR USE. HOWEVER, THE AVAILABLE DRAWINGS OF EXISTING CONSTRUCTION MAY NOT NECESSARILY BE COMPLETE. THE CONTRACTOR SHALL FIELD VERIFY ALL PERTINENT INFORMATION.
5. IF ANY ARCHITECTURAL, STRUCTURAL, OR MECHANICAL MEMBERS OR COMPONENTS NOT DESIGNATED FOR REMOVAL INTERFERE WITH THE NEW WORK, THE ARCHITECT SHALL BE NOTIFIED IMMEDIATELY AND APPROVAL MUST BE OBTAINED PRIOR TO REMOVAL OF THOSE MEMBERS.
6. THE CONTRACTOR SHALL SAFELY SHORE EXISTING CONSTRUCTION TO ALLOW THE INSTALLATION OF NEW WORK. ALL SHORING METHODS AND SEQUENCING OF DEMOLITION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND HIS ENGINEER.
7. THE CONTRACTOR SHALL SUBMIT A DETAILED PLAN FOR SHORING, BRACING AND PROTECTION OF THE EXISTING CONSTRUCTION. THE PLAN SHALL INCLUDE CONSTRUCTION SEQUENCE. BEAR THE SEAL OF A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF NEW YORK, AND BE SUBMITTED TO THE ENGINEER OF RECORD FOR REVIEW PRIOR TO THE BEGINNING OF WORK.
8. THE CONTRACTOR SHALL VERIFY THE LOCATION OF EXISTING UTILITIES PRIOR TO THE START OF CONSTRUCTION AND TAKE CARE TO PROTECT EXISTING UTILITIES THAT ARE TO REMAIN IN SERVICE.
9. THE CONTRACTOR SHALL REPAIR ALL DAMAGE CAUSED DURING CONSTRUCTION WITH SIMILAR MATERIALS AND WORKMANSHIP TO RESTORE CONDITIONS TO LEVELS ACCEPTABLE TO THE ARCHITECT.
10. THE CONTRACTOR SHALL ENSURE THAT ALL CONSTRUCTION METHODS USED WILL NOT CAUSE DAMAGE TO THE ADJACENT BUILDINGS AND PROPERTY. THIS SHALL INCLUDE ALL FOUNDATION INSTALLATION.

SPECIAL INSPECTIONS NOTES

1. THE OWNER'S TESTING LABORATORY/INSPECTION AGENCY SHALL PROVIDE SPECIAL INSPECTION SERVICES IN ACCORDANCE WITH THE 2020 BUILDING CODE OF NEW YORK STATE. FOR THE FOLLOWING ITEMS AND WITH THE SCHEDULE OF SPECIAL INSPECTIONS ISSUED SEPARATELY.
   - A. STEEL CONSTRUCTION:
     - a. ALL FIELD WELDING
     - b. HIGH-STRENGTH BOLTING
     - c. INSPECTION OF STRUCTURAL STEEL, BOLTING, WELDING MATERIAL
     - d. WELDING OF STRUCTURAL STEEL
   - B. CONCRETE CONSTRUCTION:
     - a. BOLTS INSTALLED IN CONCRETE
     - b. CONCRETE SHEAR WALLS
     - c. CONCRETE WORK
     - d. CONTINUOUS INSPECTION OF REINFORCING STEEL PLACING
     - e. EPOXY BOLTS
     - f. FORMWORK
     - g. REINFORCING STEEL PLACEMENT
   - C. MASONRY CONSTRUCTION:
     - a. HIGH-LIFT GROUTING
     - b. MASONRY WORK
   - D. SOILS:
     - a. PREPARED EARTH FILL
   - E. SPRAYED FIRE-RESISTANT MATERIALS
   - F. MASTIC AND INTUMESCENT FIRE-RESISTANT COATINGS
2. STATEMENT OF SPECIAL INSPECTIONS:
   - A. SPECIAL INSPECTIONS ARE REQUIRED FOR THE ITEMS LISTED ABOVE. REFER TO SPECIFICATION SECTION 014533 FOR TYPE AND EXTENT OF EACH SPECIAL INSPECTION AND EACH TEST.
   - B. APPROVED SPECIAL INSPECTORS SHALL FURNISH INSPECTION REPORTS TO THE BUILDING OFFICIAL OR HIS DESIGNEE AND TO THE ARCHITECT/ENGINEER WHICH INDICATE THAT THE WORK INSPECTED WAS DONE IN CONFORMANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS. A FINAL REPORT WHICH DOCUMENTS THE RESULTS OF THE SPECIAL INSPECTIONS PREFORMED INCLUDING CORRECTION OF ANY DEFICIENCIES IDENTIFIED DURING INSPECTION SHALL BE SUBMITTED PERIODICALLY AT A FREQUENCY APPROVED PRIOR TO CONSTRUCTION.

EXCAVATION AND BACKFILL NOTES

1. THE SITE SHALL BE PREPARED IN ACCORDANCE WITH SPECIFICATIONS AND THE CIVIL DRAWINGS. THE STRUCTURAL DESIGN IS BASED ON RECOMMENDATIONS CONTAINED IN THE GEOTECHNICAL REPORT BY QUALITY GEO ENGINEERING, P.C., DATED SEPTEMBER 18, 2020. A QUALIFIED GEOTECHNICAL ENGINEER SHALL VERIFY ALL ASSUMPTIONS AND REPORT TO THE ARCHITECT/ENGINEER ANY VARIATIONS.
2. EXCAVATIONS TO BE SHEETED AND BRACED, OR LAID BACK TO PREVENT SLOUGHING IN OF THE EXCAVATED AREAS PER OSHA REGULATIONS.
3. ALL EXCAVATIONS AND GRADES PREPARED FOR BEARING SHALL BE INSPECTED BY A QUALIFIED GEOTECHNICAL ENGINEER TO VERIFY THE DESIGN ASSUMPTIONS AND REPORT NONCONFORMING CONDITIONS.
4. THE CONTRACTOR SHALL DETERMINE THE EXTENT OF CONSTRUCTION DEWATERING REQUIRED FOR THE EXCAVATION. THE CONTRACTOR SHALL SUBMIT TO THE GEOTECHNICAL ENGINEER FOR REVIEW THE PROPOSED PLAN FOR DEWATERING, PRIOR TO EXCAVATION.
5. PLACE ALL FOOTINGS ON MINIMUM 6-INCH THICK LAYER OF SUBBASE STONE.
6. FROST DEPTH FOR THIS PROJECT IS **4'-0"** BELOW GRADE. FINISH GRADE SHALL BE MAINTAINED A MINIMUM OF **3'-0"** ABOVE TOP OF FOUNDATIONS UNLESS NOTED OTHERWISE.
7. TOP OF FOOTING ELEVATIONS PROVIDED ON CONSTRUCTION DRAWINGS ARE FOR PURPOSES OF DESIGN. NOTIFY THE ENGINEER IF TOP OF FOOTING ELEVATIONS NEED TO BE ADJUSTED BASED ON CONTRACTOR'S FIELD COORDINATION OR GEOTECHNICAL ENGINEER'S RECOMMENDATIONS.
8. REMOVE AND DISPOSE OF LEGALLY FROM SITE; UNACCEPTABLE BEARING SOIL, EXCESS EXCAVATED MATERIAL, ASPHALT MATERIAL (SEE SITE PLANS).
9. WHERE FILL IS REQUIRED UNDER BEARING CONDITIONS, IT SHALL BE SELECTED AND PLACED IN ACCORDANCE WITH INSTRUCTIONS OF A QUALIFIED GEOTECHNICAL ENGINEER TO MAINTAIN DESIGN BEARING PRESSURE.
10. THE DESIGN OF WALLS RETAINING EARTH DOES NOT INCLUDE HYDROSTATIC PRESSURE LOADS UNLESS NOTED OTHERWISE, AND ASSUMES A DRAINAGE SYSTEM IS IN PLACE WHERE REQUIRED.
11. BACKFILL WITHIN BUILDING - TO WITHIN 6 INCHES OF UNDERSIDE OF FLOOR SLAB SHALL BE "SUBBASE COURSE" **(NYSDOT 304.12 - TYPE 2)** CONSISTING OF HARD DURABLE PEBBLES, ROCK FRAGMENTS AND SOIL BINDER. IT SHALL BE FREE OF CLAY, ORGANIC MATTER, AND OTHER DELETERIOUS MATERIAL. GRADATION: 2 INCHES MAXIMUM SIZE, 25-60% PASSING THE 1/4" SIEVE, 5-40% PASSING NO. 40 SIEVE, AND NOT MORE THAN 10% PASSING NO. 200 SIEVE.
12. UNDER SLABS ON GRADE - POROUS 6 INCH LIFT OF WASHED "CRUSHED STONES" CONSISTING OF: 50/50 MIX OF #1's AND #2's..
13. BACKFILL OUTSIDE OF BUILDING - "SELECT GRANULAR FILL" **(NYSDOT 203.07)** CONSISTING OF SAND, FINE GRAVEL, COARSE SILT, OR SIMILAR NON-COHESIVE HARD DURABLE MATERIALS AND SOIL BINDERS WITHOUT EXCESSIVE CLAY, ORGANIC MATTER, OR FROZEN OR DELETERIOUS MATERIAL. GRADATION: 4 INCHES MAXIMUM SIZE, 0-70% PASSING THE #40 SIEVE AND 0-15% PASSING THE #200 SIEVE.
14. FILL COMPACTION: WITHIN BUILDING - 95% DRY DENSITY MODIFIED PROCTOR OUTSIDE OF BUILDING - 95% DRY DENSITY MODIFIED PROCTOR
15. FILL PLACEMENT - BACKFILL SHALL NOT BE PLACED AGAINST WALLS UNTIL THE WALLS HAVE ACHIEVED SPECIFIED DESIGN STRENGTH. PLACE FILL SIMULTANEOUSLY ON EACH SIDE OF FOUNDATION WALL IN 6 INCH LIFTS. THE MAXIMUM DIFFERENCE IN ELEVATION ON EITHER SIDE OF WALL SHALL NOT EXCEED 1'-6".

MASONRY NOTES

1. MASONRY CONSTRUCTION SHALL CONFORM TO THE LATEST EDITION OF THE "BUILDING CODE REQUIREMENTS FOR CONCRETE MASONRY STRUCTURES" (ACI 530) AND "SPECIFICATION FOR MASONRY STRUCTURES" (ACI 530.1).
2. REFER TO ARCHITECTURAL DRAWINGS FOR EXTENT AND TYPE OF MASONRY WALLS. NON-LOADBEARING MAY NOT BE SHOWN ON THE STRUCTURAL DRAWINGS.
3. ALL CONCRETE UNITS SHALL CONFORM TO ASTM C 90 GRADE N-I AND SAMPLED IN ACCORDANCE WITH ASTM C 140. CONCRETE STRENGTH OF MASONRY UNITS (BASED ON NET AREA) SHALL BE 1,900 PSI MINIMUM.
4. ALL GROUT SHALL BE NON-SHRINK, AND SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI AT 28 DAYS, AS PROPORTIONED IN ACCORDANCE WITH ASTM C 109. GROUT FOR FILLING CELLS SHALL CONFORM TO ASTM C 476. SUBMIT MIX DESIGN FOR GROUT.
5. GROUT SHALL BE PLACED IN LIFTS NOT TO EXCEED 4'-0" IN HEIGHT.
6. ALL MORTAR SHALL BE PORTLAND CEMENT, SAND, AND HYDRATED LIME CONFORMING TO ASTM C 270, TYPE S OR TYPE N. NO BAG MIXES ARE ALLOWED. MINIMUM AVERAGE COMPRESSIVE STRENGTH (AT 28 DAYS) OF MORTAR SHALL BE: TYPE S = 1,800 PSI FOR MASONRY WALLS & PIERS, AND TYPE N = 750 PSI FOR BRICK WORK.
7. CONCRETE MASONRY UNITS SHALL BE LAID IN RUNNING BOND, UNLESS OTHERWISE NOTED. HORIZONTAL AND VERTICAL JOINTS SHALL HAVE A UNIFORM WIDTH OF 3/8 INCHES. SEE ARCHITECTURAL DRAWINGS FOR OTHER BOND PATTERNS OF VENEER BLOCK.
8. PROVIDE VERTICAL REINFORCEMENT IN CELLS OF CONCRETE MASONRY UNITS (FULLY EMBEDED IN GROUT) AS SHOWN ON THE PLANS, SCHEDULES AND OTHER DETAILS.
9. PROVIDE HORIZONTAL LADDER TYPE REINFORCEMENT IN BED JOINTS EVERY OTHER COURSE (MAXIMUM SPACING 16" O/C) IN TYPICAL WALLS AND IN EVERY COURSE (MAXIMUM 8" O/C) IN PARAPETS AND CANTILEVERED WALLS. REINFORCEMENT SHALL BE CONTINUOUS AND LAPPED AT LEAST SIX INCHES AT SPLICES. REINFORCEMENT SHALL BE SPLICED AT ALL CORNERS AND INTERSECTIONS. PROVIDE W1.7 (9 GAGE) REINFORCEMENT AT 8" CMU WALLS, AND W2.8 (3/16" DIA.) REINFORCEMENT AT 12" CMU WALLS.
10. GROUT ALL CELLS OF MASONRY UNITS FOR THE FIRST TWO COURSES ABOVE ALL FOUNDATION WALLS AND SLABS. PLACE GROUT IN ALL REINFORCED CELLS. PLACE GROUT IN ALL CELLS THAT ARE TO RECEIVE POST-INSTALLED WEDGE ANCHORS.
11. PROVIDE CORNER BARS TO MATCH HORIZONTAL REINFORCING WHERE HORIZONTAL REINFORCING MEETS AT A CORNER OR INTERSECTION.
12. INSTALL LOOSE LINTELS OVER ALL OPENINGS IN EXTERIOR AND INTERIOR NON-BEARING WALLS (SEE SCHEDULE), EXCEPT WHERE OTHERWISE INDICATED ON DRAWINGS. ALL EXTERIOR LINTELS TO BE GALVANIZED.
13. CONTROL JOINTS SHALL BE PROVIDED IN ALL MASONRY CONSTRUCTION. REFER TO PROJECT TYPICAL DETAILS AND PROJECT SPECIFICATIONS FOR GUIDELINES. UNLESS NOTED OTHERWISE, CONTROL JOINT LOCATIONS SHALL BE AS FOLLOWS:
   - A. IN REINFORCED MASONRY:
     - a. SPACING NOT TO EXCEED THE LESSER OF 1.5 x WALL HEIGHT OR 25'-0" O/C.
     - b. AT MAXIMUM OF 1/2 SPACING FROM CORNERS,
     - c. AT CHANGES IN WALL HEIGHT,
     - d. BETWEEN MAIN AND INTERSECTING WALLS,
     - e. AT CHANGES IN WALL THICKNESS.
   - B. IN MASONRY VENEER:
     - a. SPACING NOT TO EXCEED 20'-0" O/C FOR WALLS WITH MULTIPLE OPENINGS / 25'-0" O/C FOR WALLS WITHOUT OPENINGS,
     - b. AT OR NEAR CORNERS AND INTERSECTIONS,
     - c. AT CHANGES IN WALL HEIGHT,
     - d. WHERE BACKING OR SUPPORT MATERIALS CHANGE.
14. MASONRY WALLS SHALL BE BRACED EITHER BY INTERSECTING WALLS OR BY ANCHORS TO THE STRUCTURE ABOVE. REFER TO TYPICAL DETAILS FOR BRACING REQUIREMENTS FOR INTERIOR MASONRY WALLS.
15. SUBMIT REINFORCING SHOP DRAWINGS.

CAST-IN-PLACE CONCRETE NOTES

GENERAL

1. ALL CONCRETE WORK, CONSTRUCTION AND REINFORCING DETAILS SHALL CONFORM TO THE 2020 BUILDING CODE OF NEW YORK STATE AND "THE SPECIFICATIONS OF THE AMERICAN CONCRETE INSTITUTE BUILDING CODE REQUIREMENTS" (ACI-318).
2. ALL CONCRETE SHALL ATTAIN A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI AT 28 DAYS AND CONFORM TO THE REQUIREMENTS OF THE SCHEDULE BELOW, UNLESS NOTED OTHERWISE. SEE SPECIFICATIONS FOR MIX DESIGN REQUIREMENTS.

LOCATION	W/C RATIO	SLUMP (±1")	% AIR (±1½%)	MAXIMUM AGGREGATE	MIN. STRENGTH @ 28 DAYS
FOOTINGS	.50	3.5"	N/A	1 1/2"	3000 PSI
FOUNDATIONS	.45	3.5"	4	1 1/2"	4000 PSI
SLAB ON GRADE	.45	3.5"	4	3/4"	3000 PSI

3. CONTRACTOR SHALL SUBMIT MIX DESIGNS PROPORTIONED BY A LICENSED TESTING LABORATORY.
4. PROVIDE MINIMUM OF FOUR (4) CYLINDERS PER EACH FIFTY (50) YARDS OR FRACTION THEREOF POURED IN ONE DAY. BREAK ONE AT 7 DAYS AND TWO AT 28 DAYS.
5. WHERE NEW CONCRETE IS TO BE POURED ONTO EXISTING CONCRETE, BONDING IS REQUIRED AS NOTED IN ACI 301.
6. CONDUITS AND PIPES OF ALUMINUM SHALL NOT BE EMBEDDED IN CONCRETE.

REINFORCING STEEL

1. ALL REINFORCING STEEL AND ACCESSORIES SHALL BE DETAILED, FABRICATED AND PLACED IN ACCORDANCE WITH "ACI MANUAL OF STANDARD PRACTICE FOR DETAILING CONCRETE STRUCTURES" (ACI-315).
2. REINFORCING STEEL SHALL CONFORM TO ASTM A-615 GRADE 60. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A-185.
3. LAP SPLICES AND EMBEDMENT LENGTHS SHALL CONFORM TO ACI 318 - CHAPTER 12.
4. PROVIDE CORNER BARS TO MATCH HORIZONTAL REINFORCING WHERE FOOTINGS, WALLS OR BEAMS MEET AT CORNERS OR INTERSECT. THIS ALSO INCLUDES INTERSECTIONS OF CONCRETE WITH MASONRY WORK.
5. PROVIDE SHOP DRAWINGS FOR REINFORCING INCLUDING ALL NECESSARY ACCESSORIES TO HOLD REINFORCING SECURELY IN PLACE.
6. CLEAR COVER CONCRETE PROTECTION FOR REINFORCING STEEL SHALL BE:
   - 3" - CONCRETE CAST AGAINST EARTH.
   - 2" - FORMED SURFACES IN CONTACT WITH SOIL OR EXPOSED TO WEATHER.
   - 1" - FORMED SURFACES NOT IN CONTACT WITH SOIL OR EXPOSED TO WEATHER.

FOUNDATIONS

1. ALL FOUNDATIONS ARE TO BEAR ON APPROVED BEARING MATERIAL. SEE GEOTECHNICAL EVALUATION BY QUALITY GEO ENGINEERING, P.C., DATED SEPTEMBER 18, 2020.
2. ALL FOUNDATION EXCAVATIONS ARE SUBJECT TO APPROVAL BY THE OWNER'S REPRESENTATIVE BEFORE ANY CONCRETE IS PLACED.
3. ALL FORMS AND REINFORCING STEEL IN PLACE SHALL BE APPROVED BY THE OWNER'S REPRESENTATIVE BEFORE ANY CONCRETE IS PLACED.
4. NO FOUNDATION SHALL BE PLACED IN WATER OR ON FROZEN GROUND.
5. IN GENERAL, EXTERIOR CONSTRUCTION SHALL BE CARRIED DOWN A MINIMUM OF 4'-0" BELOW FINISHED EXTERIOR GRADE.
6. CENTERLINE OF FOOTINGS, WALLS, GRADE BEAMS, COLUMNS, AND BEAMS SHALL COINCIDE, UNLESS OTHERWISE NOTED.
7. REFER TO ARCHITECTURAL AND CIVIL DRAWINGS FOR FOUNDATION DRAINAGE.
8. ALL EXTERIOR CONCRETE USED ABOVE GRADE SHALL HAVE AN AIR ENTRAINING AGENT.
9. RUB ALL SIGHT EXPOSED CONCRETE AFTER FORMS HAVE BEEN REMOVED.
10. ALL EXPOSED CONCRETE PIER CORNERS SHALL BE CHAMFERED 3/4".
11. ALL GROUT FOR BASE PLATES SHALL BE NON-SHRINK WITH A MINIMUM COMPRESSIVE STRENGTH OF 5000 PSI AT 28 DAYS.
12. ANCHOR BOLTS - ASTM F1554, Fy=36 KSI, 1" DIAMETER UNLESS NOTED OTHERWISE.
13. ISOLATION JOINT - ASPHALT IMPREGNATED FILLER STRIP CONFORMING TO ASTM D-944.
14. ALL STEEL COLUMNS BELOW GRADE SHALL BE TWICE COATED WITH A BITUMINOUS COATING.
15. CONTRACTOR SHALL VERIFY ALL DIMENSIONS ON THE JOB BEFORE COMMENCING WORK. REFER TO ARCHITECTURAL DRAWINGS FOR ANY DIMENSIONS AND DETAILS NOT SHOWN. REFER TO ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS FOR LOCATION AND DIMENSIONS OF ANY OPENING, SLEEVES, INSERTS, SLAB DEPRESSIONS, ETC.
16. EPOXY ANCHORS SHALL BE HIT HY-200 INJECTION ADHESIVE ANCHORS AS MANUFACTURED BY HILTI, INC., TULSA OK (800-879-8000).

SLABS-ON-GRADE

1. ALL SLABS ON GRADE SHALL BE PLACED OVER A STEGO 10 MIL VAPOR BARRIER. TAPE ALL SEAMS AND PROVIDE FLASHING/BOOTS AROUND PIPE PENETRATIONS.
2. UNDER SLABS ON GRADE: POROUS 6-INCH LIFT WASHED OF "CRUSHED STONE" MATERIAL CONSISTING OF A 50/50 MIX OF #1's AND #2's, ASTM #57 STONE.
3. SLAB-ON-GRADE REINFORCEMENT SHALL BE 6x6-W2.9x2.9 WWF, UNLESS NOTED OTHERWISE. PLACEMENT OF WELDED WIRE REINFORCEMENT SHALL BE AT A CONSISTENT DEPTH OF 1 1/2" FROM TOP OF SLAB, AND SHALL BE PROPERLY CHAIRED.
4. WET CURE FOR 7 DAYS BEFORE APPLYING ANY WHEELED TRAFFIC OR MASONRY PARTITIONS.
5. CONCRETE SLAB CONTROL JOINTS SHALL BE CUT INTO THE SLABS AT A DEPTH OF 1/4 TIMES THE SLAB THICKNESS WITHIN 12 HOURS OF PLACING THE CONCRETE. MAXIMUM SPACING OF INTERIOR SLAB CONTROL JOINTS, UNLESS NOTED OTHERWISE, SHALL BE 15'-0" O/C IN EACH DIRECTION. JOINTS SHALL TYPICALLY RUN BETWEEN COLUMNS AND TERMINATE AT A COLUMN ISOLATION POUR. THE LENGTH OF ANY INDIVIDUAL JOINTED AREA SHALL NOT EXCEED 1.5 TIMES ITS WIDTH.
6. CONSTRUCTION/COLD JOINTS: TERMINATE DAY'S CONCRETE WORK AT A CONTROL JOINT LOCATION. PROVIDE A KEYWAY OR DOWELS FOR CONTINUATION OF WORK WITH NEXT POUR. CONTINUE 50% OF SLAB REINFORCEMENT THROUGH CONSTRUCTION AND CONTRACTION JOINTS.
7. CONCRETE SURFACE SHALL BE HARD STEEL TROWEL FINISH.
8. REFER TO ARCHITECTURAL, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR SLAB FINISHES, SLAB DEPRESSIONS, THICKENED SLABS, EQUIPMENT PADS/CURBS, ELEVATIONS, AND ENCASED OR EMBEDED ITEMS.
9. PLUMBING AND ELECTRICAL CONDUITS SHALL BE PLACED BELOW THE SLAB AND NOT WITHIN THE SLAB. VERTICAL PENETRATIONS ARE ALLOWED.
10. PROVIDE ONE #4 BAR, 4 FEET LONG, DIAGONAL AT CORNERS AND OPENINGS IN SLABS-ON-GRADE.

STRUCTURAL STEEL NOTES

1. STRUCTURAL STEEL SHALL CONFORM TO THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION "SPECIFICATION FOR THE DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS." HOT ROLLED STRUCTURAL STEEL SHAPES SHALL CONFORM TO ASTM A36 OR ASTM A572 GRADE 50. HOLLOW STRUCTURAL SHAPES (HSS) SHALL CONFORM TO ASTM A500 GRADE B. ANGLES, CHANNELS, AND OTHER MISCELLANEOUS METALS SHALL CONFORM TO ASTM A36.
2. STEEL CONNECTIONS ARE SHOWN SCHEMATICALLY. FABRICATOR IS RESPONSIBLE FOR DESIGN AND DETAILING OF CONNECTIONS, INCLUDING MATERIAL GRADE AND SIZES, WELD SIZES, AND NUMBER OF BOLTS. ADDITIONAL CONNECTION ELEMENTS MAY NOT BE SPECIFICALLY SHOWN ON THE SCHEMATIC DETAILS BUT MAY BE REQUIRED BY THE FINAL CONNECTION DESIGN, SUCH AS STIFFENER PLATES, DOUBLER PLATES, SUPPLEMENT / REINFORCING PLATES OR OTHER CONNECTION MATERIAL.
3. REACTIONS AND LOADS PROVIDED ON DRAWINGS ARE UNFACTORED.
4. EACH BEAM CONNECTION SHALL BE DESIGNED FOR ONE HALF OF THE TOTAL LOAD SHOWN IN THE AISC TABLES FOR THE RESPECTIVE SPAN UNLESS OTHERWISE NOTED. WHERE POSSIBLE, EACH BEAM CONNECTION SHALL BE OF THE TWO SIDED ANGLE TYPE AS PER AISC SPECIFICATION, UNLESS OTHERWISE NOTED ON THE DRAWINGS. MINIMUM CONNECTION SHALL BE TWO (2) BOLTS. ALL BEAM AND GIRDER CONNECTIONS SHALL BE WELDED CONNECTIONS, OR BOLTED CONNECTIONS USING ASTM A325X BOLTS, 3/4" DIAMETER.
5. ALL CONNECTIONS NOT SPECIFICALLY DETAILED ON THE DRAWINGS SHALL BE EITHER WELDED CONNECTIONS, OR BOLTED CONNECTIONS USING ASTM A325X BOLTS.
6. UNLESS SPECIFICALLY DETAILED OTHERWISE, SPLICES SHALL BE DESIGNED TO DEVELOP THE FULL CAPACITY OF THE MEMBER AT THE POINT OF THE SPLICE.
7. CUTS, HOLES, COPES, ETC., REQUIRED FOR WORK OF OTHER TRADES SHALL BE SHOWN ON SHOP DRAWINGS AND MADE IN THE SHOP. FIELD CUTTING OR BURNING WILL NOT BE PERMITTED.
8. ALL WELDING BOTH SHOP AND FIELD, SHALL BE PERFORMED BY CERTIFIED WELDERS IN ACCORDANCE WITH AWS SPECIFICATIONS. WELDING ELECTRODES SHALL CONFORM TO ASTM A233, E70-XX. MINIMUM WELD SIZE SHALL BE 1/4 INCHES (FILLET) UNLESS OTHERWISE NOTED. WELDED CONNECTIONS SHALL BE DESIGNED TO BE STRESSED TO LESS THAN 50% OF THEIR ALLOWABLE CAPACITIES.
9. STRUCTURAL STEEL SHALL RECEIVE A SHOP COAT OF RUST INHIBITING PAINT EXCEPT AS FOLLOWS: A. CONTACT MILLED BEARING SURFACES, B. WITHIN TWO INCHES OF FIELD WELDS.
10. AFTER ERECTION, ALL DAMAGED AREAS IN THE SHOP COAT SHALL BE REPAIRED WITH THE SAME PAINT USED FOR THE SHOP COAT.
11. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR REVIEW.
12. EXPOSED ROOF FRAMING SHALL BE DESIGNED TO SUPPORT A SINGLE CONCENTRATED LOAD OF **300** LBS APPLIED AT ANY POINT ALONG SPAN.
14. DO NOT CAMBER BEAMS UNLESS A VALUE FOR CAMBER IS SPECIFIED ON THE DRAWINGS.

OPEN WEB STEEL JOIST NOTES

1. ALL STEEL OPEN WEB STEEL JOISTS SHALL BE DESIGNED, FABRICATED AND ERECTED IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS" OF THE STEEL JOIST INSTITUTE (SJI).
2. DESIGN AND INSTALLATION OF BRIDGING SHALL CONFORM TO THE "STANDARD SPECIFICATIONS" OF THE STEEL JOIST INSTITUTE.
3. ALL JOISTS SHALL BE CONNECTED TO SUPPORTING STEEL BY (2) 1/4" FILLET WELDS x 3" LONG, OR TWO 3/4 INCH ANCHOR BOLTS.
4. WHERE HVAC DUCTWORK INTERSECTS DIAGONAL BRIDGING LINES, PROVIDE HORIZONTAL BRIDGING AT TOP AND BOTTOM CHORDS AS FOLLOWS;
   - A. INSTALL DIAGONAL BRIDGING AS TYPICAL DURING INSTALLATION.
   - B. REMOVE DIAGONALS AFTER INSTALLATION AND INSTALL HORIZONTAL BRIDGING.
   - C. HORIZONTAL REPLACEMENT BRIDGING SHALL BE DESIGNED AND SUPPLIED BY JOIST MANUFACTURER.
   - D. REFER TO MECHANICAL DRAWINGS FOR LOCATION AND EXTENT OF OPENINGS.
   - E. AT NO TIME SHALL THIS BE DONE IN TWO CONSECUTIVE BAYS WITHOUT ENGINEER'S APPROVAL.
5. PROVIDE MINIMUM CAMBER TO JOISTS IN ACCORDANCE WITH THE STEEL JOIST INSTITUTE.
6. PROVIDE BOTTOM CHORD EXTENSIONS TO BOTTOM OF EXTERIOR BEAMS.
7. CONTRACTOR SHALL PROVIDE ANY AND ALL EXTRA STEEL TO FRAME AROUND ANY MECHANICAL ROOF PENETRATIONS. PROVIDE A MINIMUM OF TWO EXTRA JOISTS, SAME SIZES AS SHOWN ON DRAWINGS, FOR EACH AC UNIT LOCATION. SUBMIT PROPOSAL TO ENGINEER FOR REVIEW.
8. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR REVIEW.
9. JOISTS SHALL BE DESIGNED TO SUPPORT A SINGLE CONCENTRATED LOAD OF 300 LBS APPLIED AT ANY BOTTOM CHORD PANEL POINT.

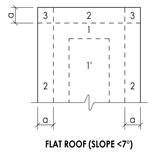
NON-COMPOSITE FLOOR AND ROOF DECK NOTES

1. ALL METAL DECK SHALL BE MANUFACTURED AND ERECTED IN ACCORDANCE WITH THE LATEST EDITION OF THE "DESIGN MANUAL FOR COMP

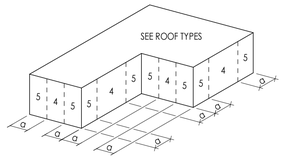
COMPONENTS AND CLADDING DESIGN PRESSURES

ZONE	EFFECTIVE WIND AREA			
	10 SQ. FT.	20 SQ. FT.	50 SQ. FT.	100 SQ. FT.
1	10.0 / -41.3 PSF	10.0 / -38.5 PSF	10.0 / -34.9 PSF	10.0 / -32.2 PSF
1'	10.0 / -23.7 PSF	10.0 / -23.7 PSF	10.0 / -23.7 PSF	10.0 / -23.7 PSF
2	10.0 / - 54.4 PSF	10.0 / -50.9 PSF	10.0 / -46.3 PSF	10.0 / -42.8 PSF
3	10.0 / -74.2 PSF	10.0 / -67.2 PSF	10.0 / -57.9 PSF	10.0 / -50.9 PSF
4	10.0 / -28.1 PSF	10.0 / -26.9 PSF	10.0 / -25.4PSF	10.0 / -24.2 PSF
5	10.0 / -34.7 PSF	10.0 / -32.4 PSF	10.0 / -29.3 PSF	10.0 / -26.9 PSF
OVERHANG 1 & 1'	-37.3 PSF	-36.7 PSF	-35.8 PSF	-35.1 PSF
OVERHANG 2	-50.5 PSF	-45.8 PSF	-39.7 PSF	-35.0 PSF
OVERHANG 3	-70.2 PSF	-62.1 PSF	-51.3 PSF	-43.1 PSF

SCHEDULE NOTES:
1. PRESSURES SHOWN ARE APPLIED NORMAL TO THE SURFACE.
2. PLUS AND MINUS SIGNS SIGNIFY PRESSURES ACTING TOWARD AND AWAY FROM THE SURFACE, RESPECTIVELY.
3. DISTANCE 'a' SHALL BE 6'-8" FOR ALL INSTANCES SHOWN IN THE DIAGRAMS BELOW.
4. SEE DESIGN CRITERIA NOTES' ON DRAWING S-XXX FOR OTHER PERTINENT INFORMATION.
5. ALL NET DESIGN WIND PRESSURE VALUES ARE TAKEN FROM ASCE 7-16 SECTION 30.5. ALL WIND PRESSURES ARE TO BE CONSIDERED AS ULTIMATE VALUES.



FLAT ROOF (SLOPE <7°)



EXTERIOR WALLS

COMPONENT AND CLADDING PRESSURE ZONE DIAGRAMS
(FOR USE WITH SCHEDULE ABOVE)

MASONRY LINTEL SCHEDULE

WALL TYPE	SPAN	LINTEL	SECTION
4" MASONRY OR VENEER	0'-8" TO 4'-6"	L4x3 1/2x5/16 LLV	
	4'-7" TO 5'-6"	L4x3 1/2x5/16 LLV	
	5'-7" TO 6'-6"	L5x3 1/2x5/16 LLV	
	6'-7" TO 7'-6"	L6x3 1/2x5/16 LLV	
6" MASONRY	0'-0" TO 1'-3"	BOND BEAM W/ (1) #4	
	1'-4" TO 4'-6"	WT4x9	
	4'-7" TO 5'-6"	WT4x10.5	
	5'-7" TO 6'-6"	WT5x13	
	6'-7" TO 7'-6"	WT5x13	
	7'-7" TO 9'-0"	W8x10 + 5/16x6 1/2 PL	
8" MASONRY & 12" MASONRY	0'-0" TO 1'-3"	BOND BEAM W/ (2) #4	
	1'-4" TO 4'-6"	(2) L4x3 1/2x5/16 LLV	
	4'-7" TO 5'-6"	(2) L4x3 1/2x5/16 LLV	
	5'-7" TO 6'-6"	(2) L5x3 1/2x5/16 LLV	
	6'-7" TO 7'-6"	(2) L6x3 1/2x5/16 LLV	
	7'-7" TO 9'-0"	WT9x25	
4" MASONRY OR VENEER + 8" MASONRY OR 12" MASONRY	0'-0" TO 1'-3"	L4x3 1/2x5/16 LLV + BOND BEAM W/ (2) #4	
	1'-4" TO 4'-6"	(3) L4x3 1/2x5/16 LLV	
	4'-7" TO 5'-6"	(3) L4x3 1/2x5/16 LLV	
	5'-7" TO 6'-6"	(3) L5x3 1/2x5/16 LLV	
	6'-7" TO 7'-6"	(3) L6x3 1/2x5/16 LLV	
	7'-7" TO 8'-6"	W8x15 + 5/16x7 1/2 PL	

SCHEDULE NOTES:
1. PROVIDE LINTELS OVER ALL MASONRY OPENINGS AS SCHEDULED UNLESS NOTED OTHERWISE ON THE DRAWINGS.
2. MINIMUM BEARING FOR ALL LINTELS SHALL BE 8" EACH END.
3. GROUT SOLID AREA 16" W x 24" H BELOW BEARING UNLESS NOTED OTHERWISE ON THE DRAWINGS.
4. COORDINATE MASONRY OPENING SIZES AND LOCATIONS WITH ARCHITECTURAL, MECHANICAL AND PLUMBING DRAWINGS.
5. CONTRACTOR SHALL PROVIDE AN ADDITIONAL 50 FEET OF L5x3-/2x5/16 ANGLE.
6. FOR MASONRY OPENING SPANS GREATER THAN 6'-0", BOLT ASSEMBLIES TOGETHER AT 1/3 POINTS.
7. FOR ALL W AND WT SHAPE LINTELS, PROVIDE A 1/2x5x7 BEARING PLATE WITH (2) 1/2" DIAMETER x 6" LONG HEADED STUDS, EACH END.
8. STEEL LINTELS EXPOSED TO THE EXTERIOR SHALL BE GALVANIZED UNLESS NOTED OTHERWISE.

CONCRETE REINFORCING LAP/EMBEDMENT SCHEDULE

BAR SIZE SI (METRIC)	LAP LENGTH		EMBEDMENT LENGTH	
	f'c = 3,000 PSI	f'c = 4,000 PSI	f'c = 3,000 PSI	f'c = 4,000 PSI
#3 (#10)	22"	20"	17"	15"
#4 (#13)	29"	25"	22"	19"
#5 (#16)	36"	32"	28"	24"
#6 (#19)	43"	38"	33"	29"
#7 (#22)	63"	54"	48"	42"
#8 (#25)	72"	62"	55"	48"
#9 (#29)	81"	70"	62"	54"
#10 (#32)	91"	79"	70"	61"
#11 (#36)	101"	87"	78"	67"
#14 (#43)	NP	NP	93"	81"
#18 (#57)	NP	NP	124"	108"

NP = NOT PERMITTED

SCHEDULE NOTES:
1. VALUES ARE BASED ON GRADE 60, UNCOATED REINFORCING, AND NORMAL WEIGHT CONCRETE.
2. VALUES FOR BEAMS OR COLUMNS ARE BASED ON TRANSVERSE REINFORCEMENT AND COVER, MEETING CODE REQUIREMENTS.
3. VALUES ARE BASED ON CONCRETE COVER NOT LESS THAN 1 BAR DIAMETER, AND SPACING NOT LESS THAN 2 BAR DIAMETERS.
4. VALUES LISTED ABOVE TO BE USED UNLESS SPECIFICALLY NOTED OTHERWISE ON THE DRAWINGS.
5. FOR ALL OTHER CRITERIA, REFER TO PROJECT SPECIFICATIONS.

MASONRY REINFORCING LAP/EMBEDMENT SCHEDULE

BAR SIZE SI (METRIC)	4" CMU	6" CMU	8" CMU		12" CMU	
	1 BAR/CELL	1 BAR/CELL	1 BAR/CELL	2 BAR/CELL	1 BAR/CELL	2 BAR/CELL
#3 (#10)	19"	16"	16"	17"	16"	17"
#4 (#13)	34"	25"	21"	29"	21"	29"
#5 (#16)	NP	40"	27"	45"	26"	45"
#6 (#19)	NP	NP	51"	54"	40"	54"
#7 (#22)	NP	NP	63"	63"	46"	63"
#8 (#25)	NP	NP	72"	NP	63"	72"
#9 (#29)	NP	NP	NP	NP	81"	81"
#10 (#32)	NP	NP	NP	NP	NP	NP
#11 (#36)	NP	NP	NP	NP	NP	NP

NP = NOT PERMITTED

SCHEDULE NOTES:
1. VALUES ARE BASED ON GRADE 60, UNCOATED REINFORCING, AND STANDARD BLOCK (f'M = 1,500 PSI).
2. WHEN LAP SPLICING BARS OF DIFFERENT SIZES, THE LAP LENGTH IS DETERMINED BY THE SMALLER BAR.
3. VALUES LISTED ABOVE ARE TO BE USED UNLESS SPECIFICALLY NOTED OTHERWISE ON THE DRAWINGS.
4. FOR ALL OTHER CRITERIA, REFER TO PROJECT SPECIFICATIONS.

CONCRETE SPREAD FOOTING SCHEDULE

MARK	FOOTING GEOMETRY			REINFORCING	COMMENTS
	THICKNESS	LENGTH	WIDTH		
F-04	1' - 0"	4' - 0"	4' - 0"	(4) #5 BARS EW	TOP & BOTTOM
F-07	1' - 0"	4' - 4"	4' - 4"	(5) #5 BARS EW	TOP & BOTTOM

WALL FOOTING SCHEDULE

MARK	WIDTH	THICK	BOTTOM REINFORCING		TOP BARS AT DOORS (EXTEND 3'-6" PAST M.O.)
			LONGITUDINAL	TRANSVERSE	
WF-01	2' - 6"	1' - 0"	(3) - #5 BARS	#5 BARS @ 18" O.C.	
WF-02	1' - 6"	1' - 0"	(3) - #5 BARS	#5 BARS @ 18" O.C.	
WF-03	2' - 6"	1' - 0"	(3) - #5 BARS TOP & BOTTOM	#5 BARS @ 18" O.C.	
WF-03	2' - 6"	1' - 0"	(3) - #5 BARS TOP & BOTTOM	#5 BARS @ 18" O.C.	
WF-03	2' - 6"	1' - 0"	(3) - #5 BARS TOP & BOTTOM	#5 BARS @ 18" O.C.	

MASONRY WALL REINFORCING SCHEDULE

	EXTERIOR WALLS	BEARING WALLS	SHEAR WALLS	ALL OTHER WALLS	OTHER WALLS CONT'D
CMU WIDTH	8"	8"	8"	6" OR 8"	12"
DOWEL FROM FOUND. INTO WALL	MATCH TYP. VERTICAL REINF.	#5 BAR @ 24" O/C	MATCH TYP. VERTICAL REINF.	#4 BAR @ 32" O/C	#5 BAR @ 32" O/C
TYP. VERTICAL REINF. (FULL HEIGHT)	#5 BAR @ 32" O/C	#5 BAR @ 48" O/C	#5 BAR @ 24" O/C	#4 BAR @ 64" O/C	#5 BAR @ 32" O/C
ADDTNL. VERTICAL REINF.	N/A	N/A	SEE PLAN	N/A	N/A
TYP. HORIZONTAL REINF.	9 GA. JOINT REINF. @ 16" O/C	9 GA. JOINT REINF. @ 16" O/C	9 GA. JOINT REINF. @ 16" O/C	9 GA. JOINT REINF. @ 16" O/C	9 GA. JOINT REINF. @ 16" O/C
ADDTNL. HORIZONTAL REINF.	N/A	N/A	N/A	N/A	N/A
CONT. BOND BEAM AT TOP OF WALL & EACH FLOOR LEVEL	16" TALL w/ (2) #5 BAR CONT.	16" TALL w/ (2) #5 BAR CONT.	16" TALL w/ (2) #5 BAR CONT.	8" TALL w/ (1) #4 BAR CONT.	16" TALL w/ (2) #5 BAR CONT.
ADDTNL. BOND BEAM	8" TALL w/ (1) #5 BAR BELOW WINDOWS	N/A	16" TALL w/ (2) #5 BAR CONT. AT ELEV. +12'-0"	N/A	16" TALL w/ (2) #5 BAR CONT. AT ELEV. +12'-0"
REMARKS			SEE REMARKS NOTE(S) #1	INCLUDES FIRE WALLS	INCLUDES FIRE WALLS

N/A = NOT APPLICABLE

SCHEDULE NOTES:
1. REFERENCE STRUCTURAL AND ARCHITECTURAL PLANS FOR MASONRY WALL LOCATIONS AND TYPES.
2. REINFORCING IN THIS SCHEDULE SHALL BE USED FOR MASONRY WALLS NOT SPECIFICALLY SHOWN ELSEWHERE.
3. REFERENCE PROJECT SPECIFICATIONS AND TYPICAL DETAILS FOR ADDITIONAL MASONRY DETAILING REQUIREMENTS.
4. FOR REQUIRED REINFORCING DEVELOPMENT AND SPLICE LENGTHS, REFERENCE THAT SCHEDULE.
5. SPECIFIED REINFORCING STEEL SHALL BE PLACED IN THE CENTER OF WALL. WHERE TWO BARS PER CELL, PROVIDE ONE BAR EACH FACE.
6. GROUT SOLID ALL BLOCK CORED CONTINUOUSLY BELOW FINISH ON GRADE FLOOR AND FOR THE FIRST TWO COURSES ABOVE TOP OF FOUNDATION WALL.

REMARKS NOTES:
1. REFERENCE ARCHITECTURAL DRAWINGS FOR MASONRY SOUND BLOCK PATTERN.

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PROJECT INFORMATION

Project Number
13940.20

Client Name
NEWBURGH ENLARGED CITY SCHOOL DISTRICT

Project Name
PHASE 5: 2019 CAPITAL IMPROVEMENTS PROJECT
SED # 44-16-00-01-0-018-009

Project Address
400 Old Forge Hill Rd, New Windsor, NY 12553

PROJECT ISSUE SCHEDULE

No.	Date	Description
1		



IT IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW AND THE COMMISSIONER'S REGULATIONS FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ARCHITECT, ENGINEER OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE SEAL OF AN ARCHITECT, ENGINEER OR SURVEYOR IS ALTERED, THE ALTERING PARTY SHALL AFFIX TO THE ITEM THEIR SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

SHEET INFORMATION

Issued
09/27/21

Scale
3/4" = 1'-0"

Project Status
BID DOCUMENTS

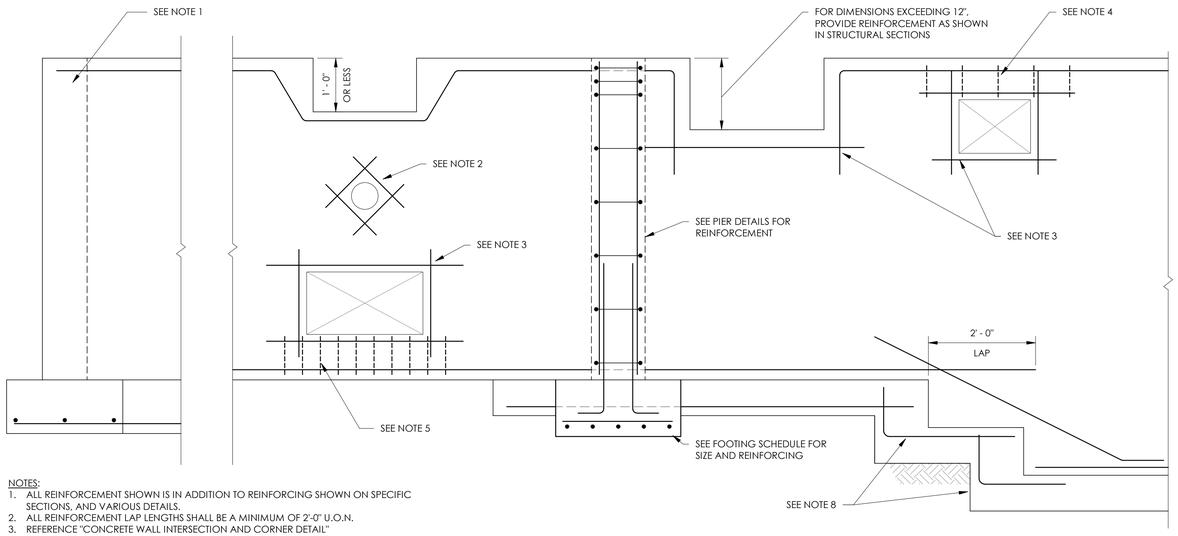
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Checked By
JPR

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STRUCTURAL SCHEDULES

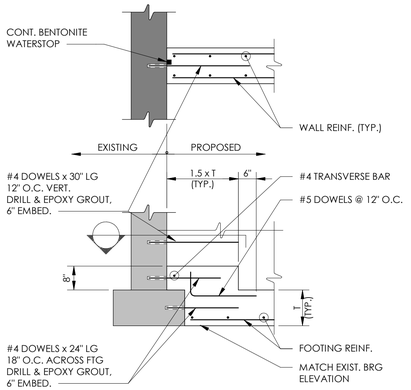
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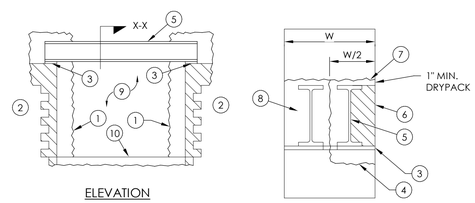
NOTES:
1. ALL REINFORCEMENT SHOWN IS IN ADDITION TO REINFORCING SHOWN ON SPECIFIC SECTIONS, AND VARIOUS DETAILS.
2. ALL REINFORCEMENT LAP LENGTHS SHALL BE A MINIMUM OF 2'-0" U.O.N.
3. REFERENCE "CONCRETE WALL INTERSECTION AND CORNER DETAIL"
4. REFERENCE "FOUNDATION WALL PIPE PENETRATION DETAIL" AND "ADDITIONAL REINFORCING AT FOUNDATION WALL PENETRATION DETAIL"
5. REFERENCE "ADDITIONAL REINFORCING AT FOUNDATION WALL PENETRATION DETAIL"
6. PROVIDE #3 CLOSED STIRRUPS @ 8" O.C. ABOVE ALL OPENINGS LESS THAN 16" BELOW TOP OF WALL
7. WHERE EDGE OF OPENING IS ≤ 1'-4" FROM TOP OR BOTTOM OF GRADE BEAM/WALL - PROVIDE #3 TIES @ 8" O.C. U.O.N. ON PLANS OR DETAILS
8. SEE "STEPPED WALL FOOTING DETAIL"
9. REFERENCE ARCHITECTURAL AND/OR MECHANICAL DRAWINGS FOR SIZES AND LOCATIONS OF ALL OPENINGS

1 S802 TYPICAL FOUNDATION WALL ELEVATION
3/4" = 1'-0"



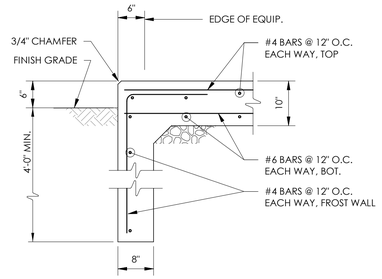
DETAIL NOTES:
1. SEE PLANS FOR EXISTING AND PROPOSED WALL THICKNESS AND REINFORCING.
2. DETAIL SHALL BE USED UNLESS NOTED OTHERWISE ON DRAWINGS.

2 S802 NEW TO EXISTING FOUNDATION WALL CONNECTION DETAIL
3/4" = 1'-0"

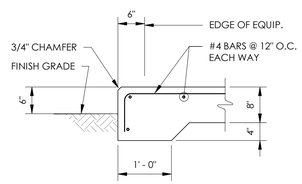


PROCEDURE:
1. CUT VERTICAL SLOT @ BEARING ENDS.
2. TOOTH IN AND CONSTRUCT JAMBS OF MASONRY.
3. SET BEARING PLATES.
4. CUT HORIZONTAL SLOT 1/2 WALL THICKNESS FULL LENGTH OF LINTEL.
5. INSTALL ONE HALF OF THE LINTEL.
6. INSTALL MASONRY.
7. PLACE DRYPACK FULL LENGTH OF LINTEL (WAIT 48 HOURS).
8. REPEAT 4,5,6, & 7 TO INSTALL HALF OF LINTEL.
9. REMOVE MASONRY FROM OPENING.
10. PATCH FLOOR.

3 S802 LINTEL INSTALLATION IN EXISTING WALL DETAIL
3/4" = 1'-0"



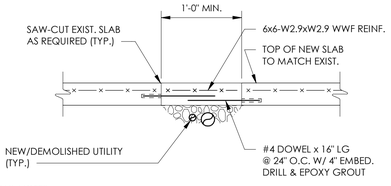
MOVEMENT SENSITIVE EQUIPMENT



MOVEMENT ALLOWED EQUIPMENT

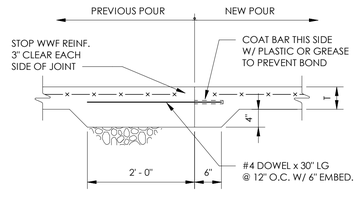
DETAIL NOTES:
1. COORDINATE EQUIPMENT PAD SIZE AND LOCATION WITH MECHANICAL, ELECTRICAL AND EQUIPMENT MANUFACTURER'S DRAWINGS.
2. VERIFY PAD THICKNESS WITH EQUIPMENT MANUFACTURER FOR ANCHORAGE REQUIREMENTS.
3. PROVIDE CONTROL JOINTS IN PAD AT SPACINGS NOT TO EXCEED 12'-0" O.C. IN EITHER DIRECTION. JOINTED AREAS SHALL BE SQUARE.

4 S802 EXTERIOR EQUIPMENT PAD DETAIL
3/4" = 1'-0"



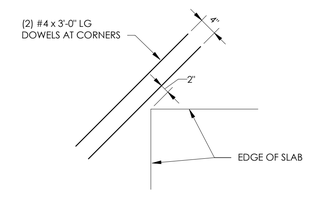
DETAIL NOTES:
1. REFER TO MECHANICAL AND PLUMBING DRAWINGS FOR UTILITY LOCATIONS.

5 S802 NEW/DEMOLISHED UTILITIES AT EXISTING SLAB ON GRADE DETAIL
3/4" = 1'-0"



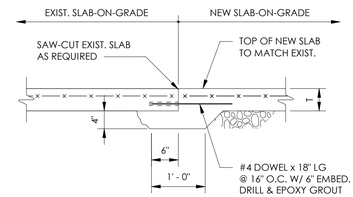
DETAIL NOTES:
1. FILL JOINT WITH SEALANT.
2. COAT VERTICAL SURFACE WITH OIL OR CURING COMPOUND BEFORE PLACING NEW POUR.

6 S802 SLAB ON GRADE CONSTRUCTION JOINT DETAIL
3/4" = 1'-0"

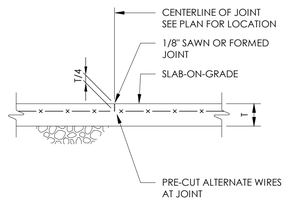


DETAIL NOTES:
1. THIS DETAIL SHALL OCCUR AT DOOR OPENINGS.
2. DOWELS SHALL BE LOCATED IN THE TOP OF THE SLAB, WHILE MAINTAINING PROPER COVER.

7 S802 SLAB ON GRADE REINFORCING AT RE-ENTRANT CORNERS DETAIL
3/4" = 1'-0"

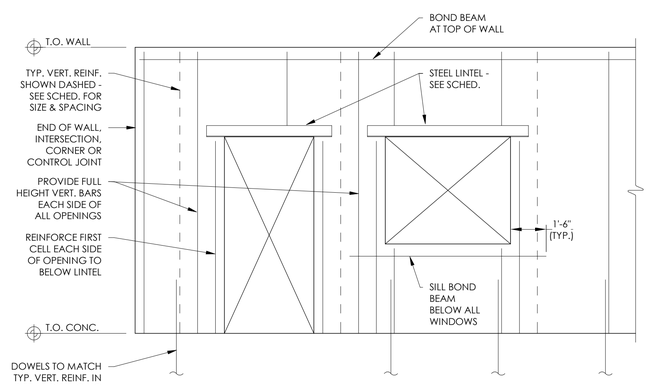


8 S802 NEW TO EXISTING SLAB ON GRADE CONNECTION DETAIL
3/4" = 1'-0"



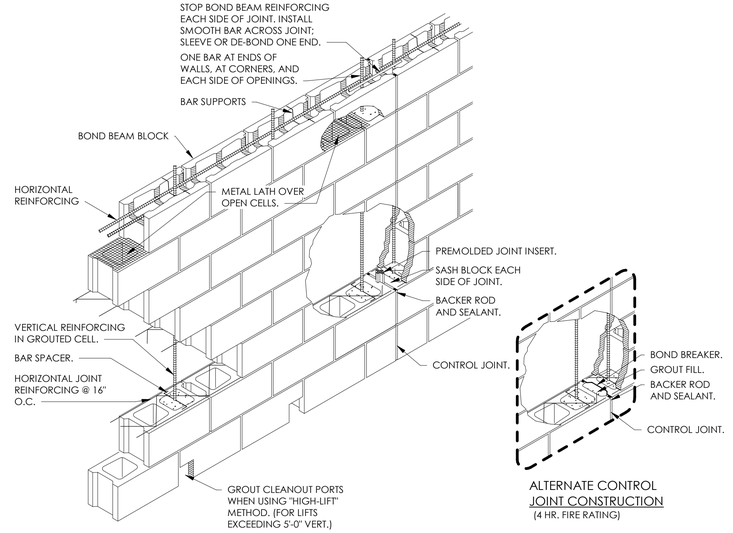
DETAIL NOTES:
1. REFER TO SPECIFICATIONS FOR PROPER JOINT CONSTRUCTION AND TIMING OF PLACEMENT.

9 S802 SLAB ON GRADE CONTROL JOINT DETAIL
3/4" = 1'-0"



NOTES:
1. SEE DRAWINGS FOR LOCATIONS AND TYPES OF MASONRY WALLS.
2. HORIZONTAL MASONRY JOINT REINFORCING NOT SHOWN FOR CLARITY.
3. AT ALL REINFORCEMENT LOCATIONS IN CMU WALL CONSTRUCTION, CELL TO BE GROUTED.

10 S802 MASONRY WALL REINFORCING ELEVATION DETAILS
3/4" = 1'-0"



ALTERNATE CONTROL JOINT CONSTRUCTION
(4 HR. FIRE RATING)

11 S802 TYP. MASONRY WALL REINFORCING DETAIL
3/4" = 1'-0"

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PROJECT INFORMATION

Project Number
13940.20

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NEWBURGH ENLARGED CITY SCHOOL DISTRICT

Project Name
PHASE 5: 2019 CAPITAL IMPROVEMENTS PROJECT
SED # 44-16-00-01-0-018-009

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400 Old Forge Hill Rd, New Windsor, NY 12553

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1		

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SHEET INFORMATION

Issued	Scale
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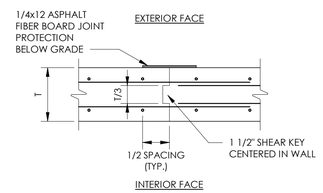
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BID DOCUMENTS

Drawn By	Checked By
SAW	JPR

Drawing Title
TYPICAL STRUCTURAL DETAILS AND SECTIONS

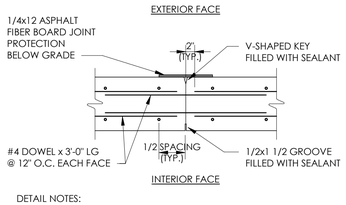
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S802

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1 S803 CONCRETE WALL CONSTRUCTION JOINT DETAIL

3/4" = 1'-0"

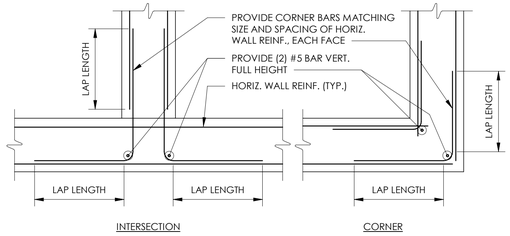


DETAIL NOTES:

1. MAXIMUM SPACING BETWEEN JOINTS NOT TO EXCEED 25'-0", AND PROVIDE JOINTS WITHIN 10'-0" TO 15'-0" OF A WALL CORNER.

2 S803 CONCRETE WALL CONTROL JOINT DETAIL

3/4" = 1'-0"

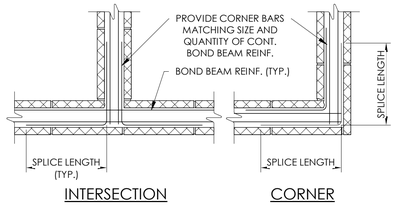


DETAIL NOTES:

1. VERTICAL WALL REINFORCING NOT SHOWN FOR CLARITY.
2. SEE "CONCRETE REINFORCING SPLICE AND EMBEDMENT" SCHEDULE FOR REQUIRED LAP LENGTHS.

3 S803 CONCRETE WALL INTERSECTION AND CORNER DETAIL

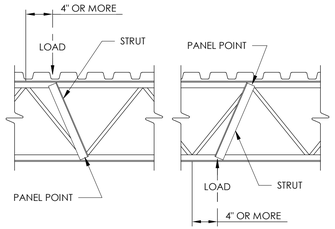
3/4" = 1'-0"



DETAIL NOTES:
1. REFER TO MASONRY REINFORCING SCHEDULE AND PROJECT SPECIFICATIONS FOR FURTHER CMU WALL INFORMATION.

4 S803 BOND BEAM INTERSECTION AND CORNER DETAIL

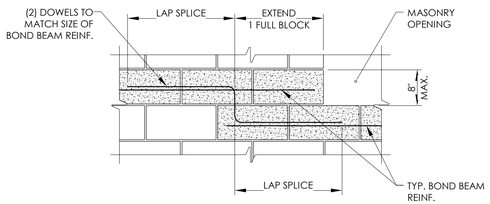
3/4" = 1'-0"



NOTE:
WHEN A CONCENTRATED LOAD EQUAL TO OR GREATER THAN 200LBS. OCCURS 4" OR MORE FROM A PANEL POINT, A FIELD WELDED STRUT COMPOSED OF (2) L2x2x3/16 SHALL BE ADDED FROM THE POINT OF THE CONCENTRATED LOAD TO THE PANEL POINT ON THE OPPOSITE CHORD.

5 S803 TYP. CONCENTRATED LOAD ON JOIST DETAIL

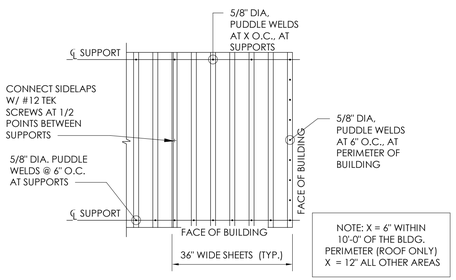
3/4" = 1'-0"



NOTES:
1. REFER TO MASONRY REINFORCING SCHEDULE FOR BOND BEAM REINFORCING INFORMATION.
2. VERTICAL WALL REINFORCEMENT NOT SHOWN FOR CLARITY.

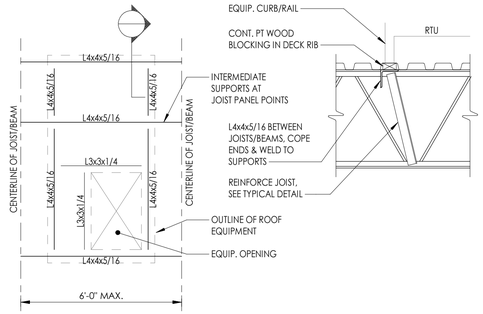
6 S803 BOND BEAM STEP DETAIL

3/4" = 1'-0"



7 S803 TYPICAL DECK ATTACHMENT DETAIL

3/4" = 1'-0"

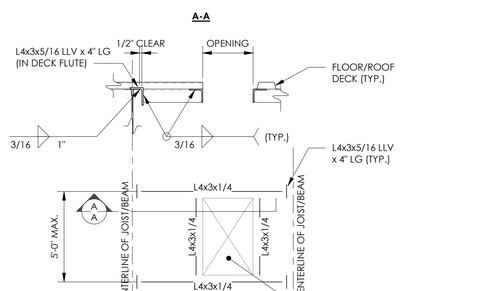


DETAIL NOTES:

1. THE ABOVE STEEL SIZES SHALL BE USED UNLESS NOTED OTHERWISE ON THE PLANS.
2. CONTRACTOR TO COORDINATE EQUIPMENT AND OPENING SUPPORTS WITH MECHANICAL CONTRACTOR AND FINAL APPROVED EQUIPMENT SUBMITTAL.
3. L4x4x5/16 MEMBERS CAN BE REPLACED WITH L3x3x1/4 MEMBERS FOR EQUIPMENT LESS THAN 1,000 LB IN TOTAL WEIGHT (INCLUDES OPERATING WEIGHT).

8 S803 ROOF EQUIPMENT SUPPORT DETAIL

3/4" = 1'-0"

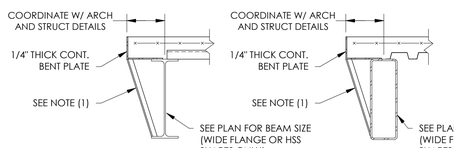


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2. CONTRACTOR TO COORDINATE EQUIPMENT AND OPENING SUPPORTS WITH MECHANICAL CONTRACTOR AND FINAL APPROVED EQUIPMENT SUBMITTAL.

9 S803 ROOF OR FLOOR OPENING SUPPORT DETAIL

3/4" = 1'-0"

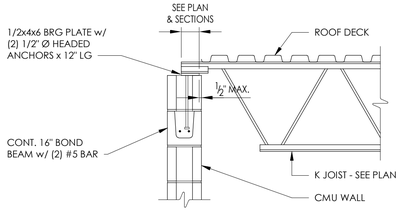


DECK PERPENDICULAR TO OPENING **DECK PARALLEL TO OPENING**

NOTES:
1. WHERE CLOSURE PLATE OVERHANGS MORE THAN 6" AND < 12" BEYOND BEAM FLANGE, PROVIDE L1-1/4x1-1/4x1/4 SUPPORTS @ 24" O.C. MAX.

10 S803 ROOF OR FLOOR OPENING SUPPORT DETAIL ALTERNATE

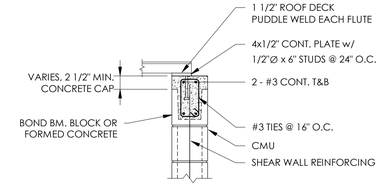
3/4" = 1'-0"



DETAIL NOTES:
1. COORDINATE JOIST CONNECTION METHOD WITH MANUFACTURER'S REQUIREMENTS.

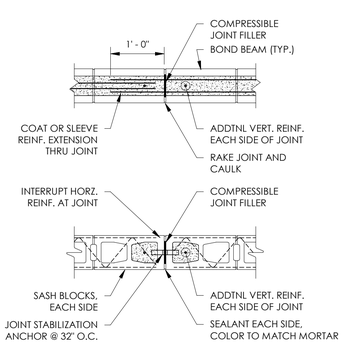
11 S803 K-JOIST BEARING ON MASONRY WALL DETAIL

3/4" = 1'-0"



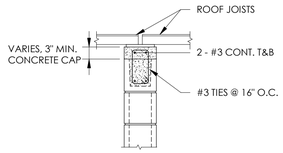
12 S803 TYPICAL EXTERIOR SLOPING MASONRY WALL DETAIL

3/4" = 1'-0"



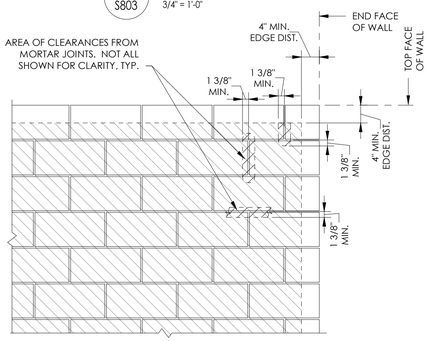
13 S803 MASONRY WALL CONTROL JOINT DETAIL

3/4" = 1'-0"



14 S803 TYPICAL INTERIOR SLOPING MASONRY WALL DETAIL

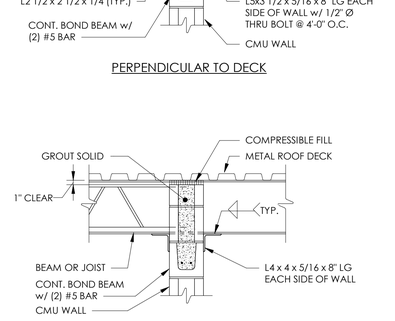
3/4" = 1'-0"



NOTES:
1. DISTANCE CRITERIA IS GENERAL REQUIREMENTS FOR ALL CMU, U.O.N. ON PLAN, OR UNLESS SPECIFIED DIFFERENTILY BY MANUFACTURER

15 S803 ALLOWABLE ANCHOR LOCATIONS

3/4" = 1'-0"



PERPENDICULAR TO DECK

PARALLEL TO DECK

NOTE:
USE FIRESTOP IN PLACE OF COMPRESSIBLE FILL AT RATED WALLS.

16 S803 NON-BEARING MASONRY WALL TO METAL ROOF DECK BRACE

3/4" = 1'-0"

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NEWBURGH, NY 12550
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PROJECT INFORMATION

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13940.20

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NEWBURGH ENLARGED CITY SCHOOL DISTRICT

Project Name
PHASE 5: 2019 CAPITAL IMPROVEMENTS PROJECT
SED # 44-16-00-01-0-018-009

Project Address
400 Old Forge Hill Rd, New Windsor, NY 12553

PROJECT ISSUE SCHEDULE

No.	Date	Description
1		



IT IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW AND THE COMMISSIONER'S REGULATIONS FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ARCHITECT, ENGINEER OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE SEAL OF AN ARCHITECT, ENGINEER OR SURVEYOR IS ALTERED, THE ALTERING PARTY SHALL AFFIX TO THE ITEM THEIR SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

SHEET INFORMATION

Issued	Scale
09/27/21	3/4" = 1'-0"

Project Status
BID DOCUMENTS

Drawn By	Checked By
SAW	JPR

Drawing Title
TYPICAL STRUCTURAL DETAILS AND SECTIONS

Drawing Number
VG
S803

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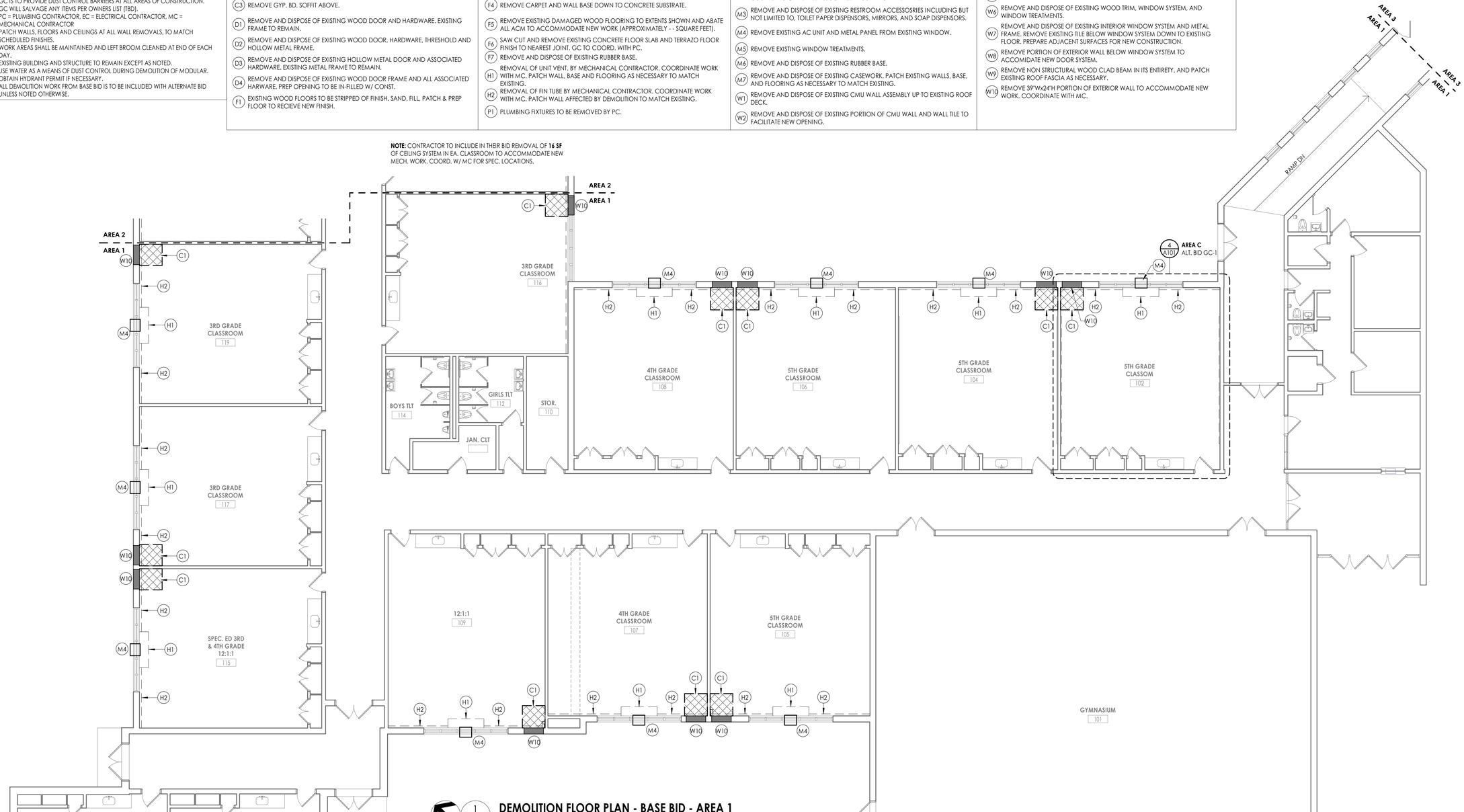
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8. EXISTING BUILDING AND STRUCTURE TO REMAIN EXCEPT AS NOTED.
9. USE WATER AS A MEANS OF DUST CONTROL DURING DEMOLITION OF MODULAR. OBTAIN HYDRANT PERMIT IF NECESSARY.
10. ALL DEMOLITION WORK FROM BASE BID IS TO BE INCLUDED WITH ALTERNATE BID UNLESS NOTED OTHERWISE.

DEMOLITION KEY NOTES

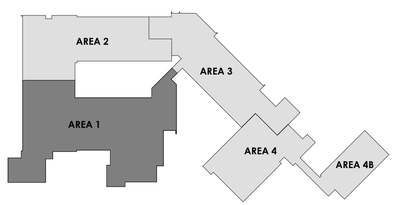
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- C2 REMOVE AND DISPOSE OF EXISTING GYP BD. CEILING.
- C3 REMOVE GYP. BD. SOFFIT ABOVE.
- D1 REMOVE AND DISPOSE OF EXISTING WOOD DOOR AND HARDWARE. EXISTING FRAME TO REMAIN.
- D2 REMOVE AND DISPOSE OF EXISTING WOOD DOOR, HARDWARE, THRESHOLD AND HOLLOW METAL FRAME.
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- D4 REMOVE AND DISPOSE OF EXISTING WOOD DOOR FRAME AND ALL ASSOCIATED HARWARE. PREP OPENING TO BE IN-FILLED W/ CONST.
- F1 EXISTING WOOD FLOORS TO BE STRIPPED OF FINISH, SAND, FILL, PATCH & PREP FLOOR TO RECIEVE NEW FINISH.
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NOTE: CONTRACTOR TO INCLUDE IN THEIR BID REMOVAL OF **16 SF** OF CEILING SYSTEM IN EA. CLASSROOM TO ACCOMMODATE NEW MECH. WORK. COORD. W/ MC FOR SPEC. LOCATIONS.



1 A100.1 **DEMOLITION FLOOR PLAN - BASE BID - AREA 1**
1/8" = 1'-0"

TRUE NORTH



KEYPLAN - AREA 1 - DEMO
1" = 100'-0"

TRUE NORTH

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50 FRONT ST. SUITE 102
NEWBURGH, NY 12550
CPLteam.com

PROJECT INFORMATION

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13940.20

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REVISION SCHEDULE

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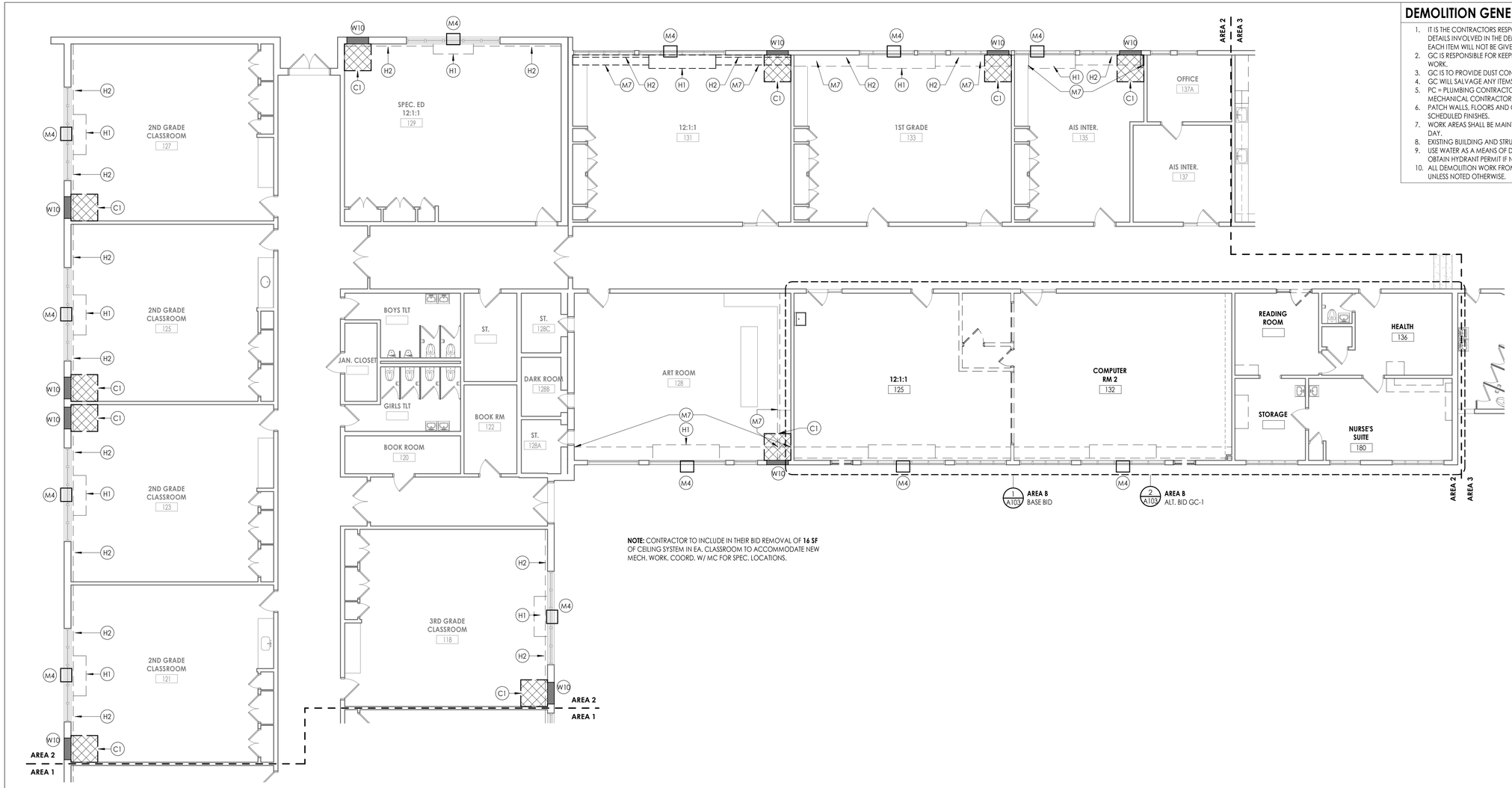
Issued
9/27/21
BID DOCUMENTS

Drawn By: JPN
Checked By: PC

Drawing Title
DEMOLITION FLOOR PLAN AREA 1

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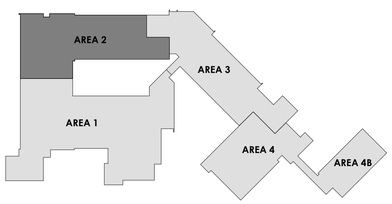


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1 A100.2 DEMOLITION FLOOR PLAN - BASE BID - AREA 2

1/8" = 1'-0"

TRUE NORTH



KEYPLAN - AREA 2 - DEMO

1" = 100'-0"

TRUE NORTH

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Drawn By: JPN
Checked By: PC

Drawing Title
DEMOLITION FLOOR PLAN AREA 2

VG
A100.2

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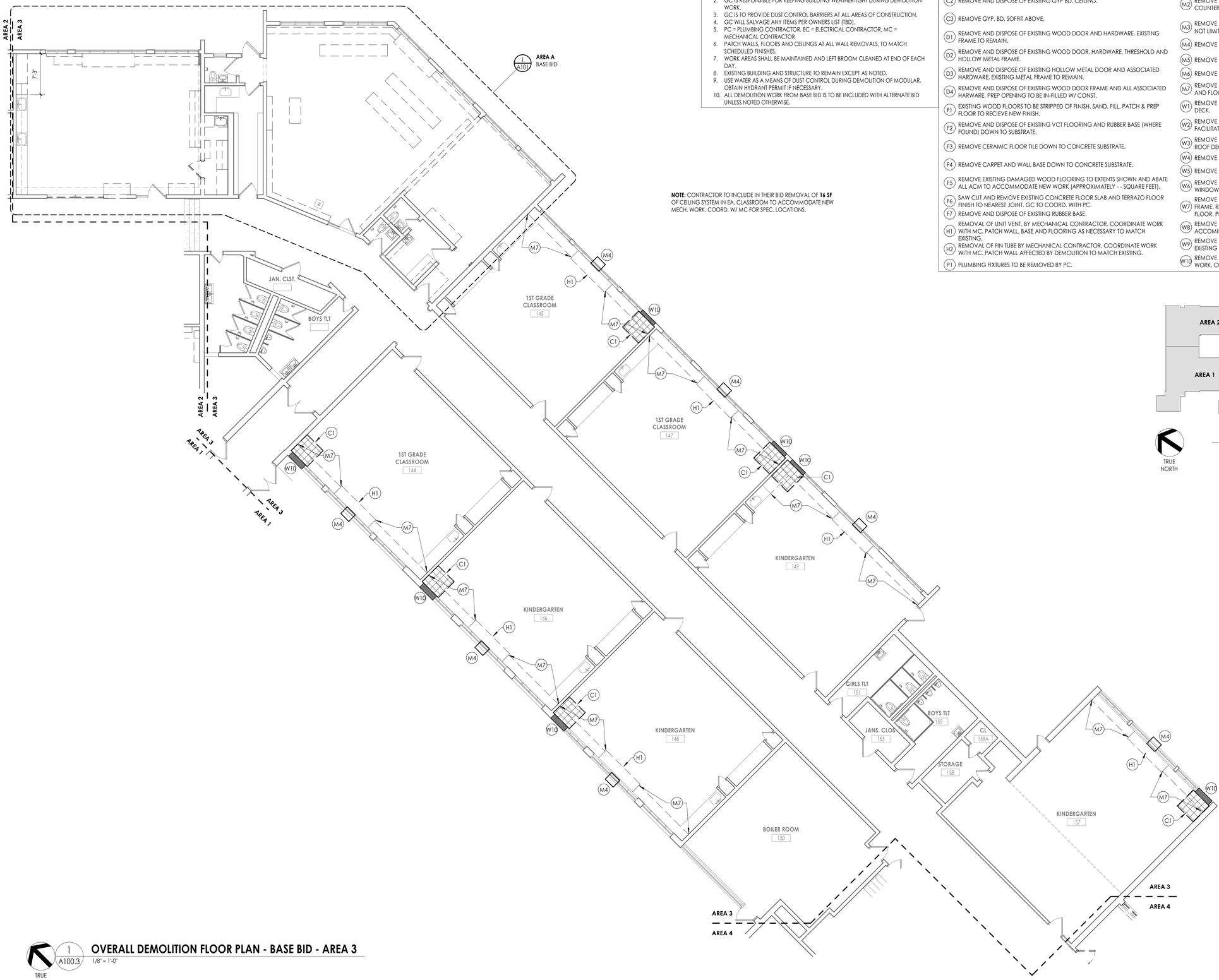
DEMOLITION GENERAL NOTES

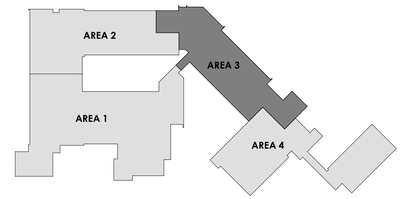
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- D3 REMOVE AND DISPOSE OF EXISTING HOLLOW METAL DOOR AND ASSOCIATED HARDWARE. EXISTING METAL FRAME TO REMAIN.
- D4 REMOVE AND DISPOSE OF EXISTING WOOD DOOR FRAME AND ALL ASSOCIATED HARWARE. PREP OPENING TO BE IN-FILLED W/ CONST.
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- W10 REMOVE 39"Wx24"H PORTION OF EXTERIOR WALL TO ACCOMMODATE NEW WORK. COORDINATE WITH MC.

NOTE: CONTRACTOR TO INCLUDE IN THEIR BID REMOVAL OF **16 SF** OF CEILING SYSTEM IN EA. CLASSROOM TO ACCOMMODATE NEW MECH. WORK. COORD. W/ MC FOR SPEC. LOCATIONS.





TRUE NORTH

KEYPLAN - AREA 3 - DEMO

1" = 100'-0"

1 / A100.3 **OVERALL DEMOLITION FLOOR PLAN - BASE BID - AREA 3**

1/8" = 1'-0"

TRUE NORTH

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NEWBURGH, NY 12550
CPLteam.com

PROJECT INFORMATION

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13940.20

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NEWBURGH ENLARGED CITY SCHOOL DISTRICT

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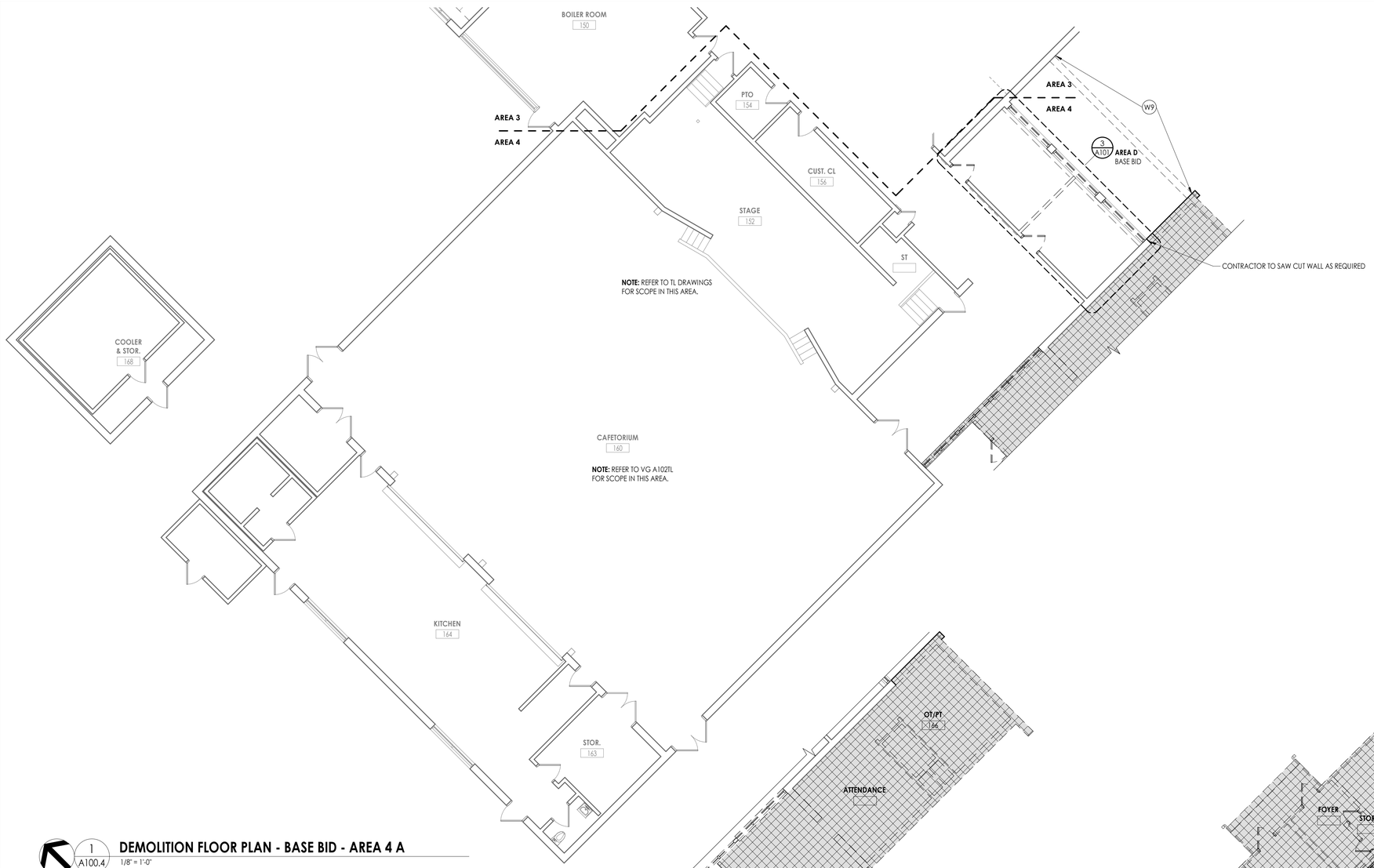
Issued
9/27/21
BID DOCUMENTS

Drawn By: JPN
Checked By: PC

Drawing Title
DEMOLITION FLOOR PLAN AREA 3

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A100.3

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1 A100.4 TRUE NORTH

DEMOLITION FLOOR PLAN - BASE BID - AREA 4 A

1/8" = 1'-0"



2 A100.4 TRUE NORTH

DEMOLITION FLOOR PLAN - BASE BID - AREA 4 B

1/8" = 1'-0"

DEMOLITION KEY NOTES

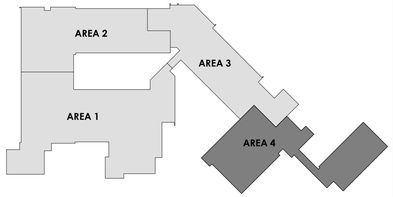
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AREA OF MASS DEMOLITION

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TRUE NORTH

KEYPLAN - AREA 4 - DEMO

1" = 100'-0"

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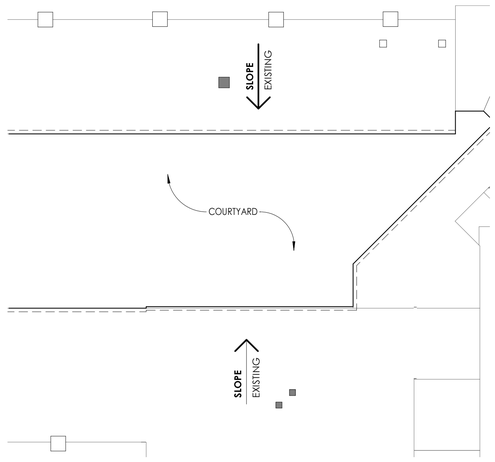
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Drawn By: JPN
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Drawing Title
DEMOLITION FLOOR PLAN AREA 4

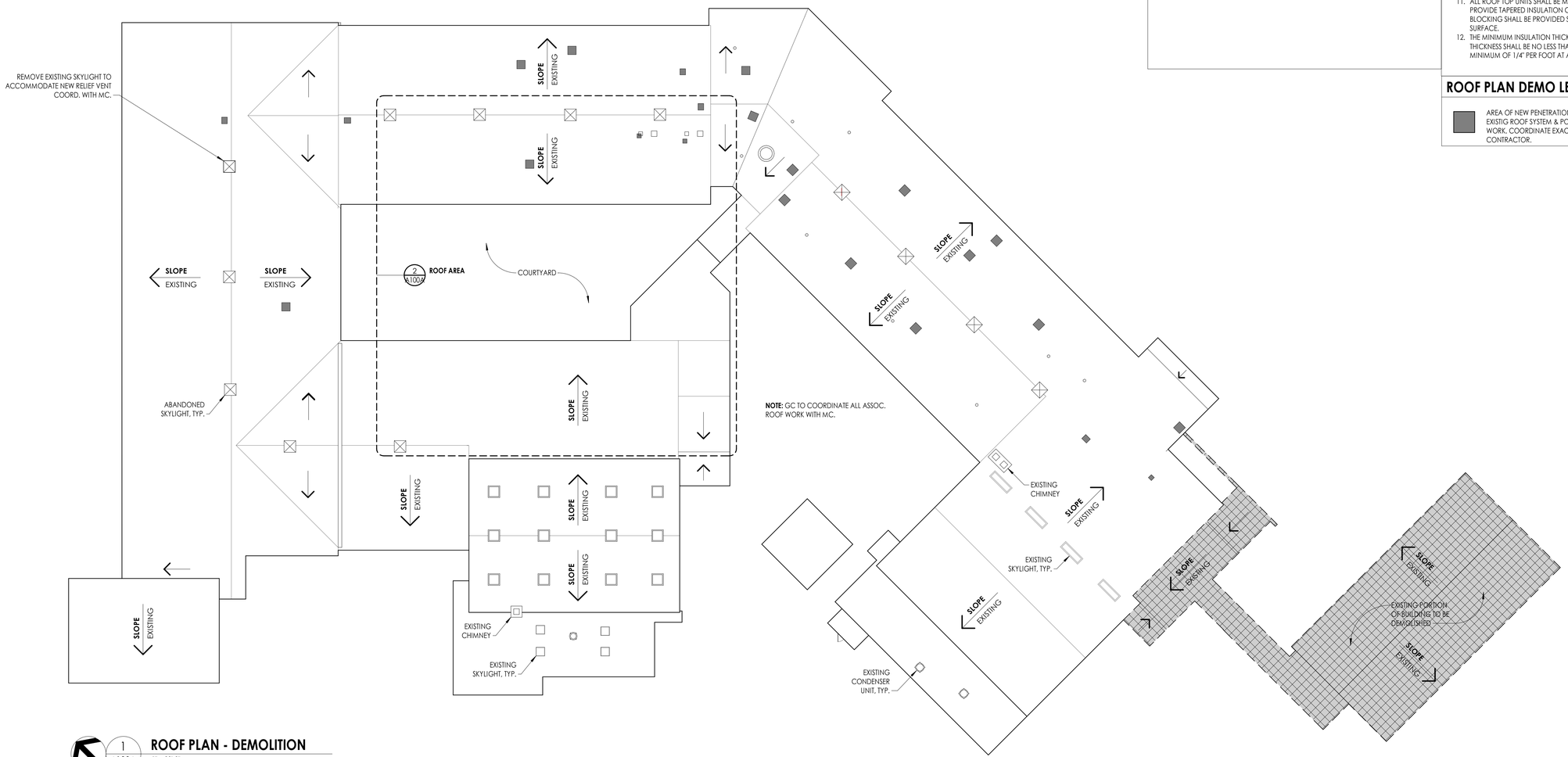
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2 A100A — **ROOF PLAN - DEMOLITION - ALT. GC-1**
1" = 20'-0"

TRUE NORTH



1 A100A — **ROOF PLAN - DEMOLITION**
1" = 20'-0"

TRUE NORTH

ROOF PLAN LEGEND

L.P. XX"	SLOPED INSULATION LOW POINT (MIN. 5 1/2")
H.P. XX"	SLOPED INSULATION HIGH POINT (MIN. 5 1/2")
	SLOPED INSULATION ROOF CRICKET, PROVIDE 1/4"/ 1'-0" POSITIVE DRAINAGE
VTR	VENT THRU ROOF, PROVIDE FLASHING PER ROOF MANUFACTURER'S DETAILS
	MECH. CURB (W/ CRICKET), PROVIDE FLASHING PER ROOF MANUFACTURER'S DETAILS
	SKYLIGHT
	CONDENSOR UNIT
SLOPE 1/4" / 12"	ROOF SLOPE
	ROOF PAVER/MEMBRANE WALKWAY SYSTEM TYP.
	EXISTING THRU WALL SCUPPER W/ DOWNSPOUT.
	ROOF TOP UNIT (RTU)

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ROOF PLAN GENERAL NOTES

1. ALL DRAWINGS ARE GRAPHIC REPRESENTATIONS OF APPROXIMATE LOCATIONS OF MATERIALS. IT IS THE CONTRACTORS RESPONSIBILITY TO FIELD VERIFY ALL CONDITIONS PRIOR TO THE COMMENCEMENT OF WORK.
2. REFER TO ALL DRAWINGS IN THE SET FOR LOCATIONS OF ALL ROOF PENETRATIONS. PROVIDE FRAMING AS REQUIRED.
3. CONTRACTOR SHALL PAINT ALL ROOF FASTENERS EXPOSED TO VIEW AT UNDERSIDE OF DECK TO MATCH.
4. WORK AREAS SHALL BE MAINTAINED AND ALL WORK AREAS SHALL BE BROOM CLEAN AT THE END OF EACH DAY.
5. ALL WOOD BLOCKING USED SHALL BE PRESSURE TREATED.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING ALL ROOF DRAINS AND CUTTING THE HOLES IN THE DECK FOR ANY DRAINS AND PROVIDING STRUCTURAL SUPPORTS.
7. THE ROOF ELEVATIONS SHOWN ON THE PLAN ARE SHOWN TO ESTABLISH RELATIVE HEIGHTS OF THE INDIVIDUAL ROOFS.
8. NO WEEP HOLES SHALL BE COVERED OR PLUGGED AS A RESULT OF THE ROOFING WORK, UNLESS OTHERWISE DIRECTED.
9. THE CONTRACTOR SHALL BE RESPONSIBLE TO MAINTAIN WATER TIGHTNESS AND PROVIDE PROTECTION AT ANY/ALL OPENINGS IN THE ROOF LEFT AT THE END OF EACH DAY.
10. PROVIDE CRICKETS FOR WATER DIVERSION AT ALL CURBS, RAILS, ETC. WHICH RUN PERPENDICULAR TO THE SLOPE OF THE INSULATION/SLOPED STRUCTURE.
11. ALL ROOF TOP UNITS SHALL BE MOUNTED ON 16" MIN. INSULATED METAL CURBS. PROVIDE TAPERED INSULATION CRICKETS AS REQUIRED TO SHED WATER. WOOD BLOCKING SHALL BE PROVIDED SO CURBS ARE 8" ABOVE FINISHED ROOF SURFACE.
12. THE MINIMUM INSULATION THICKNESS SHALL BE 1.5" THE AVERAGE INSULATION THICKNESS SHALL BE NO LESS THAN 4". SLOPE OF TAPERED INSULATION TO BE A MINIMUM OF 1/4" PER FOOT AT ALL FLAT ROOFS.

ROOF PLAN DEMO LEGEND

AREA OF NEW PENETRATION THROUGH EXISTING ROOF. GC TO REMOVE EXISTIG ROOF SYSTEM & PORTION OF ROOF DECK FOR MECHANICAL WORK. COORDINATE EXACT SIZES & LOCATIONS WITH MECHANICAL CONTRACTOR.

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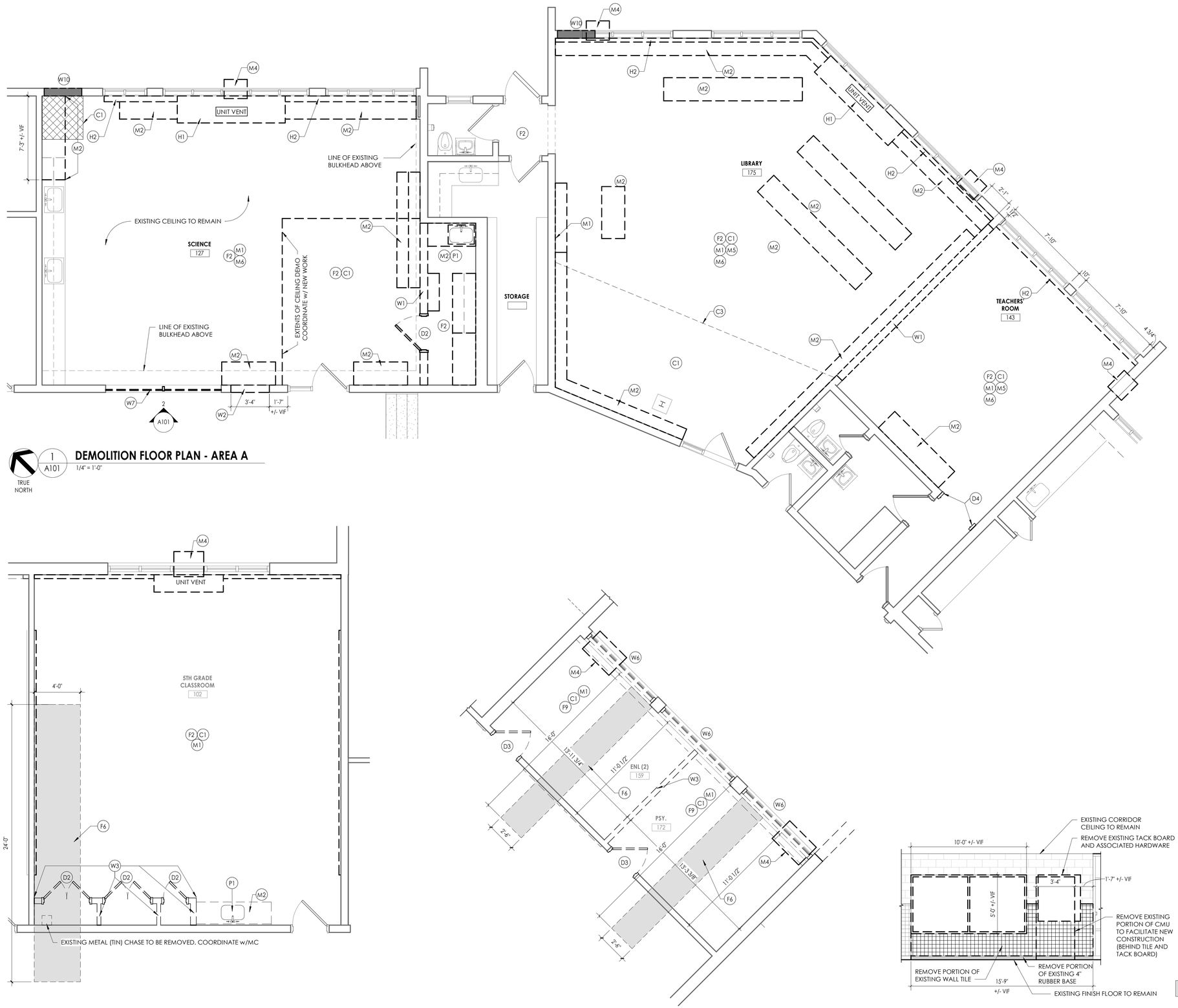
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BID DOCUMENTS

Drawn By: JPN
Checked By: PC

Drawing Title
OVERALL ROOF PLAN - DEMOLITION

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DEMOLITION FLOOR PLAN - AREA A

1/4" = 1'-0"

TRUE NORTH

DEMOLITION FLOOR PLAN - AREA C ALT. GC-1

1/4" = 1'-0"

TRUE NORTH

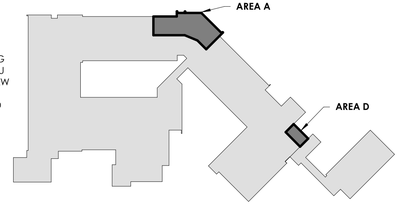
DEMOLITION FLOOR PLAN - AREA D

1/4" = 1'-0"

TRUE NORTH

INTERIOR WINDOW DEMO - ELEVATION

1/4" = 1'-0"



KEYPLAN

NTS

TRUE NORTH

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SED # 44-16-00-01-0-018-009

Project Address
400 Old Forge Hill Rd, New Windsor, NY 12553

REVISION SCHEDULE

#	Date	Description

SHEET INFORMATION

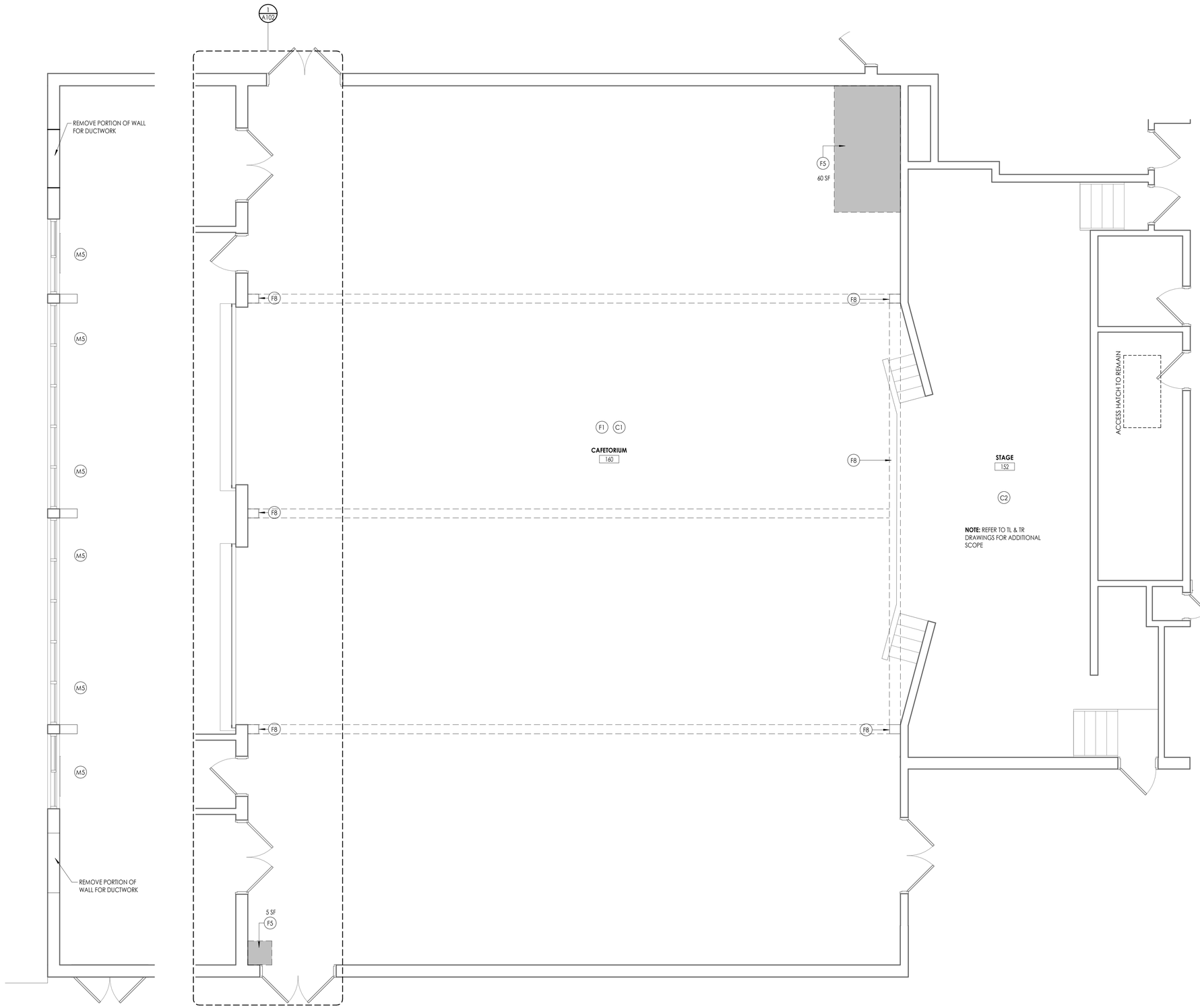
Issued
9/27/21
BID DOCUMENTS

Drawn By: JPN
Checked By: PC

Drawing Title
ENLARGED DEMOLITION PLANS

VG
A101

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1 A102 **AREA F UPPER - DEMOLITION PLAN**
1/4" = 1'-0"
TRUE NORTH

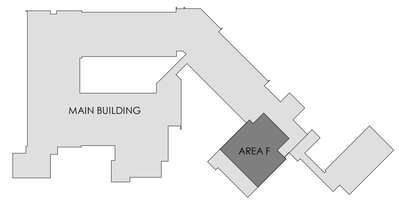
2 A102 **DEMOLITION FLOOR PLAN - AREA F**
1/4" = 1'-0"
TRUE NORTH

DEMOLITION GENERAL NOTES

1. IT IS THE CONTRACTORS RESPONSIBILITY TO FAMILIARIZE THEMSELVES WITH ALL DETAILS INVOLVED IN THE DEMOLITION CONTRACT. SPECIFIC INSTRUCTION ON EACH ITEM WILL NOT BE GIVEN.
2. GC IS RESPONSIBLE FOR KEEPING BUILDING WEATHERTIGHT DURING DEMOLITION WORK.
3. GC IS TO PROVIDE DUST CONTROL BARRIERS AT ALL AREAS OF CONSTRUCTION.
4. GC WILL SALVAGE ANY ITEMS PER OWNERS LIST (TBD).
5. PC = PLUMBING CONTRACTOR, EC = ELECTRICAL CONTRACTOR, MC = MECHANICAL CONTRACTOR
6. PATCH WALLS, FLOORS AND CEILINGS AT ALL WALL REMOVALS, TO MATCH SCHEDULED FINISHES.
7. WORK AREAS SHALL BE MAINTAINED AND LEFT BROOM CLEANED AT END OF EACH DAY.
8. EXISTING BUILDING AND STRUCTURE TO REMAIN EXCEPT AS NOTED.
9. USE WATER AS A MEANS OF DUST CONTROL DURING DEMOLITION OF MODULAR. OBTAIN HYDRANT PERMIT IF NECESSARY.
10. ALL DEMOLITION WORK FROM BASE BID IS TO BE INCLUDED WITH ALTERNATE BID UNLESS NOTED OTHERWISE.

DEMOLITION KEY NOTES

- C1 REMOVE AND DISPOSE OF EXISTING 2x4 CEILING GRID AND TILES. REWORK EXISTING CEILING AT NEW MECHANICAL UNITS.
- C2 REMOVE AND DISPOSE OF EXISTING GYP BD. CEILING.
- C3 REMOVE GYP. BD. SOFFIT ABOVE.
- D1 REMOVE AND DISPOSE OF EXISTING WOOD DOOR AND HARDWARE. EXISTING FRAME TO REMAIN.
- D2 REMOVE AND DISPOSE OF EXISTING WOOD DOOR, HARDWARE, THRESHOLD AND HOLLOW METAL FRAME.
- D3 REMOVE AND DISPOSE OF EXISTING HOLLOW METAL DOOR AND ASSOCIATED HARDWARE. EXISTING METAL FRAME TO REMAIN.
- D4 REMOVE AND DISPOSE OF EXISTING WOOD DOOR FRAME AND ALL ASSOCIATED HARWARE. PREP OPENING TO BE IN-FILLED W/ CONST.
- D5 REMOVE AND DISPOSE OF HOLLOW METAL FRAME AND ALL ASSOCIATED HARWARE.
- F1 EXISTING WOOD FLOORS TO BE STRIPPED OF FINISH, SAND, FILL, PATCH & PREP FLOOR TO RECIEVE NEW FINISH.
- F2 REMOVE AND DISPOSE OF EXISTING VCT FLOORING AND RUBBER BASE (WHERE FOUND) DOWN TO SUBSTRATE.
- F3 REMOVE CERAMIC FLOOR TILE DOWN TO CONCRETE SUBSTRATE.
- F4 REMOVE CARPET AND WALL BASE DOWN TO CONCRETE SUBSTRATE.
- F5 REMOVE EXISTING DAMAGED WOOD FLOORING TO EXTENTS SHOWN AND ABATE ALL ACM TO ACCOMMODATE NEW WORK (APPROXIMATELY - - SQUARE FEET).
- F6 SAW CUT AND REMOVE EXISTING CONCRETE FLOOR SLAB AND TERRAZO FLOOR FINISH TO NEAREST JOINT. GC TO COORD. WITH PC.
- F7 REMOVE AND DISPOSE OF EXISTING RUBBER BASE.
- F8 EXISTING WOOD BEAMS TO BE STRIPPED OF FINISH AND PREPPED TO RECEIVE NEW FINISH.
- F9 PREPARE EXISTING TERRAZZO FLOOR TO RECIEVE NEW TILE PER MANUF. REQUIREMENTS.
- H1 REMOVAL OF UNIT VENT. BY MECHANICAL CONTRACTOR. COORDINATE WORK WITH MC. PATCH WALL, BASE AND FLOORING AS NECESSARY TO MATCH EXISTING.
- H2 REMOVAL OF FIN TUBE BY MECHANICAL CONTRACTOR. COORDINATE WORK WITH MC. PATCH WALL AFFECTED BY DEMOLITION TO MATCH EXISTING.
- P1 PLUMBING FIXTURES TO BE REMOVED BY PC.
- M1 REMOVE AND DISPOSE OF EXISTING WALL MOUNTED ACCESSORIES (NON ELECTRICAL) AND HARDWARE INCLUDING BUT NOT LIMITED TO; TACKBOARDS, AND CHALKBOARDS.
- M2 REMOVE AND DISPOSE OF EXISTING CASEWORK, UPPER CABINETS, BOOKCASE(S), COUNTER TOP, AND ALL ASSOCIATED MOUNTING HARDWARE.
- M3 REMOVE AND DISPOSE OF EXISTING RESTROOM ACCESSORIES INCLUDING BUT NOT LIMITED TO, TOILET PAPER DISPENSORS, MIRRORS, AND SOAP DISPENSORS.
- M4 REMOVE EXISTING AC UNIT AND METAL PANEL FROM EXISTING WINDOW.
- M5 REMOVE EXISTING WINDOW TREATMENTS.
- M6 REMOVE AND DISPOSE OF EXISTING RUBBER BASE.
- M7 REMOVE AND DISPOSE OF EXISTING CASEWORK. PATCH EXISTING WALLS, BASE, AND FLOORING AS NECESSARY TO MATCH EXISTING.
- W1 REMOVE AND DISPOSE OF EXISTING CMU WALL ASSEMBLY UP TO EXISTING ROOF DECK.
- W2 REMOVE AND DISPOSE OF EXISTING PORTION OF CMU WALL AND WALL TILE TO FACILITATE NEW OPENING.
- W3 REMOVE AND DISPOSE OF EXISTING GYP BD. WALL ASSEMBLY UP TO EXISTING ROOF DECK.
- W4 REMOVE AND DISPOSE OF EXISTING WALL TILE DOWN TO SUBSTRATE.
- W5 REMOVE AND DISPOSE OF EXISTING WOOD FRAMED PARTITION.
- W6 REMOVE AND DISPOSE OF EXISTING WOOD TRIM, WINDOW SYSTEM, AND WINDOW TREATMENTS.
- W7 REMOVE AND DISPOSE OF EXISTING INTERIOR WINDOW SYSTEM AND METAL FRAME. REMOVE EXISTING TILE BELOW WINDOW SYSTEM DOWN TO EXISTING FLOOR. PREPARE ADJACENT SURFACES FOR NEW CONSTRUCTION.
- W8 REMOVE PORTION OF EXTERIOR WALL BELOW WINDOW SYSTEM TO ACCOMIDATE NEW DOOR SYSTEM.
- W9 REMOVE NON STRUCTURAL WOOD CLAD BEAM IN ITS ENTIRETY, AND PATCH EXISTING ROOF FASCIA AS NECESSARY.
- W10 REMOVE 39"Wx24"H PORTION OF EXTERIOR WALL TO ACCOMMODATE NEW WORK. COORDINATE WITH MC.



KEYPLAN
1" = 100'-0"
TRUE NORTH

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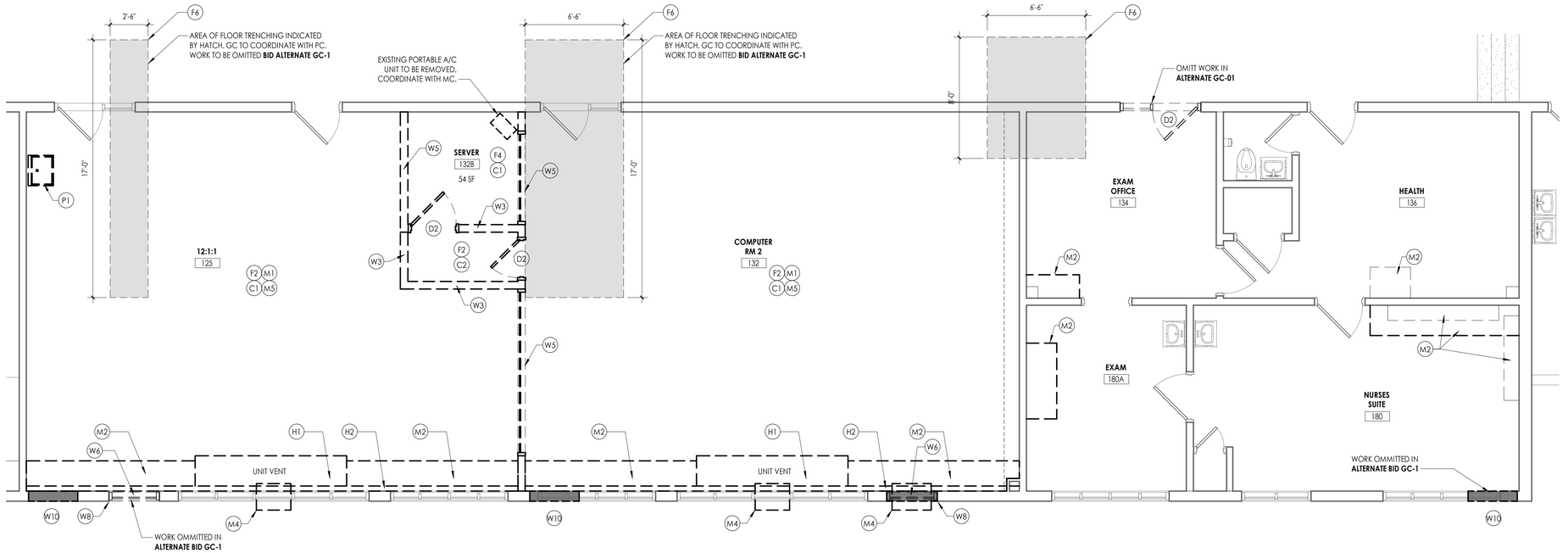
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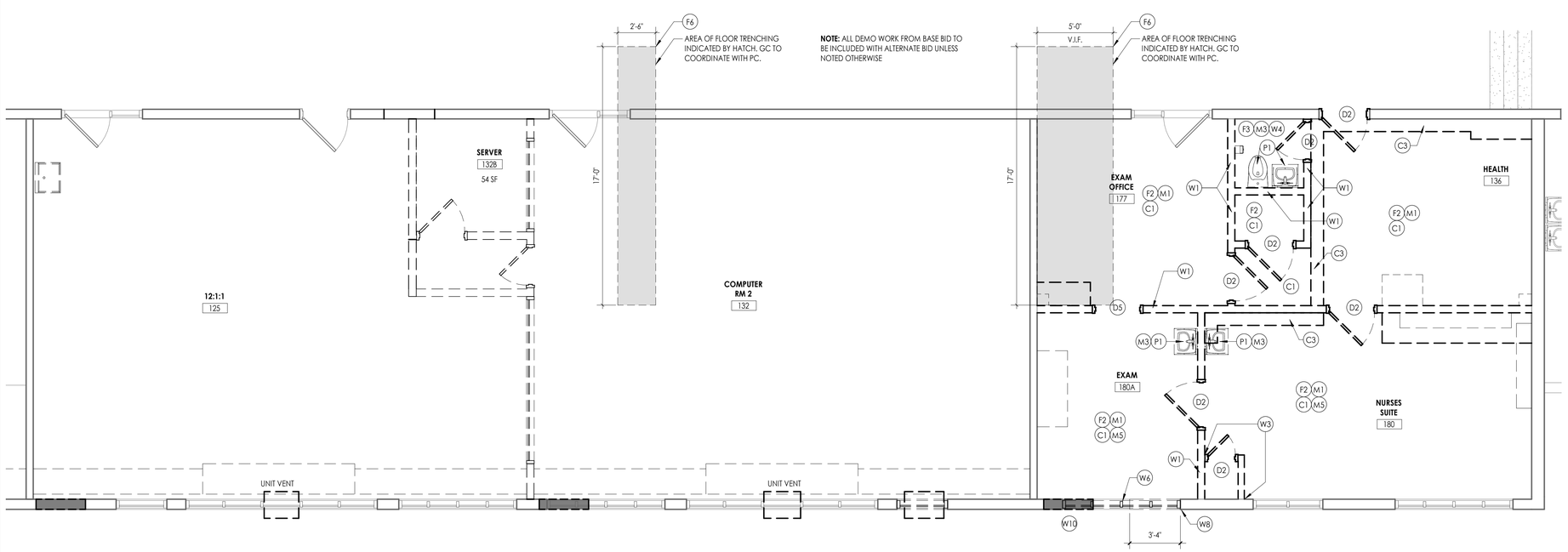
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A102

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1 / A103 **DEMOLITION FLOOR PLAN - AREA B - BASE BID**

1/4" = 1'-0"



2 / A103 **DEMOLITION FLOOR PLAN - AREA B - ALT. GC-1**

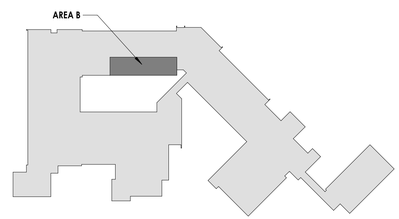
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- D3 REMOVE AND DISPOSE OF EXISTING HOLLOW METAL DOOR AND ASSOCIATED HARDWARE. EXISTING METAL FRAME TO REMAIN.
- D4 REMOVE AND DISPOSE OF EXISTING WOOD DOOR FRAME AND ALL ASSOCIATED HARWARE. PREP OPENING TO BE IN-FILLED W/ CONST.
- D5 REMOVE AND DISPOSE OF HOLLOW METAL FRAME AND ALL ASSOCIATED HARWARE.
- F1 EXISTING WOOD FLOORS TO BE STRIPPED OF FINISH, SAND, FILL, PATCH & PREP FLOOR TO RECIEVE NEW FINISH.
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- F5 REMOVE EXISTING DAMAGED WOOD FLOORING TO EXTENTS SHOWN AND ABATE ALL ACM TO ACCOMMODATE NEW WORK (APPROXIMATELY - - SQUARE FEET).
- F6 SAW CUT AND REMOVE EXISTING CONCRETE FLOOR SLAB AND TERRAZO FLOOR FINISH TO NEAREST JOINT. GC TO COORD. WITH PC.
- F7 REMOVE AND DISPOSE OF EXISTING RUBBER BASE.
- F8 EXISTING WOOD BEAMS TO BE STRIPPED OF FINISH AND PREPPED TO RECEIVE NEW FINISH.
- F9 PREPARE EXISTING TERRAZZO FLOOR TO RECIEVE NEW TILE PER MANUF. REQUIREMENTS.
- H1 REMOVAL OF UNIT VENT. BY MECHANICAL CONTRACTOR. COORDINATE WORK WITH MC. PATCH WALL, BASE AND FLOORING AS NECESSARY TO MATCH EXISTING.
- H2 REMOVAL OF FIN TUBE BY MECHANICAL CONTRACTOR. COORDINATE WORK WITH MC. PATCH WALL AFFECTED BY DEMOLITION TO MATCH EXISTING.
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KEYPLAN

1" = 100'-0"

TRUE NORTH

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NEWBURGH ENLARGED CITY SCHOOL DISTRICT

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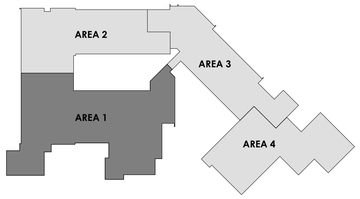
Drawing Title
ENLARGED DEMOLITION PLANS

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FLOOR PLAN GENERAL NOTES

1. ALL DRAWINGS ARE GRAPHIC REPRESENTATIONS OF APPROXIMATE LOCATIONS OF NEW MATERIALS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF WORK.
2. THE GENERAL CONTRACTOR IS RESPONSIBLE TO FIRESTOP ALL NEW PARTITIONS TO THE STRUCTURAL DECK ABOVE. FIRESTOPPING HEADS OF WALLS IS TO OCCUR AT ALL NEW WALL CONSTRUCTION WITHIN THE PROJECT.
3. ALL WALL DIMENSIONS INDICATED ON FLOOR PLANS ARE TO FACE OF STUD FRAMING OR MASONRY UNLESS OTHERWISE NOTED.
4. SEE SHEET A400 FOR INTERIOR PARTITION TYPES
5. SEE A9005 FOR INTERIOR AND EXTERIOR DOORS, WINDOWS, CURTAINWALLS, AND STOREFRONTS
6. PROVIDE AN EDGE/TRANSITION STRIP CENTERED UNDER ALL DOORS WHERE ADJACENT FLOOR FINISHES ARE OF DIFFERENT MATERIALS.
7. PROVIDE ACCESS PANELS, MINIMUM 24" x 24", OR OF SIZES REQUIRED, WHERE PLUMBING AND HEATING VALVES, WATER SWITCHES, VENTILATION SPLITTER DAPMERS, ETC., ARE SHOWN ON PLUMBING, HEATING AND VENTILATION DRAWINGS.
8. WORK AREAS SHALL BE MAINTAINED AND ALL WORK AREAS SHALL BE LEFT BROOMED CLEAN AT END OF EACH DAY.
9. ALL DOORS AND WINDOW SYSTEMS TO HAVE SEALANT AROUND THE ENTIRE PERIMETER (BOTH SIDES) OF FRAMES.
10. CONTRACTOR TO COORDINATE WITH OTHER TRADES FOR SEQUENCING OF WORK.
11. REFER TO A700 FOR TYPICAL FIXTURE MOUNTING HEIGHTS AND ACCESSORIES LEGEND.



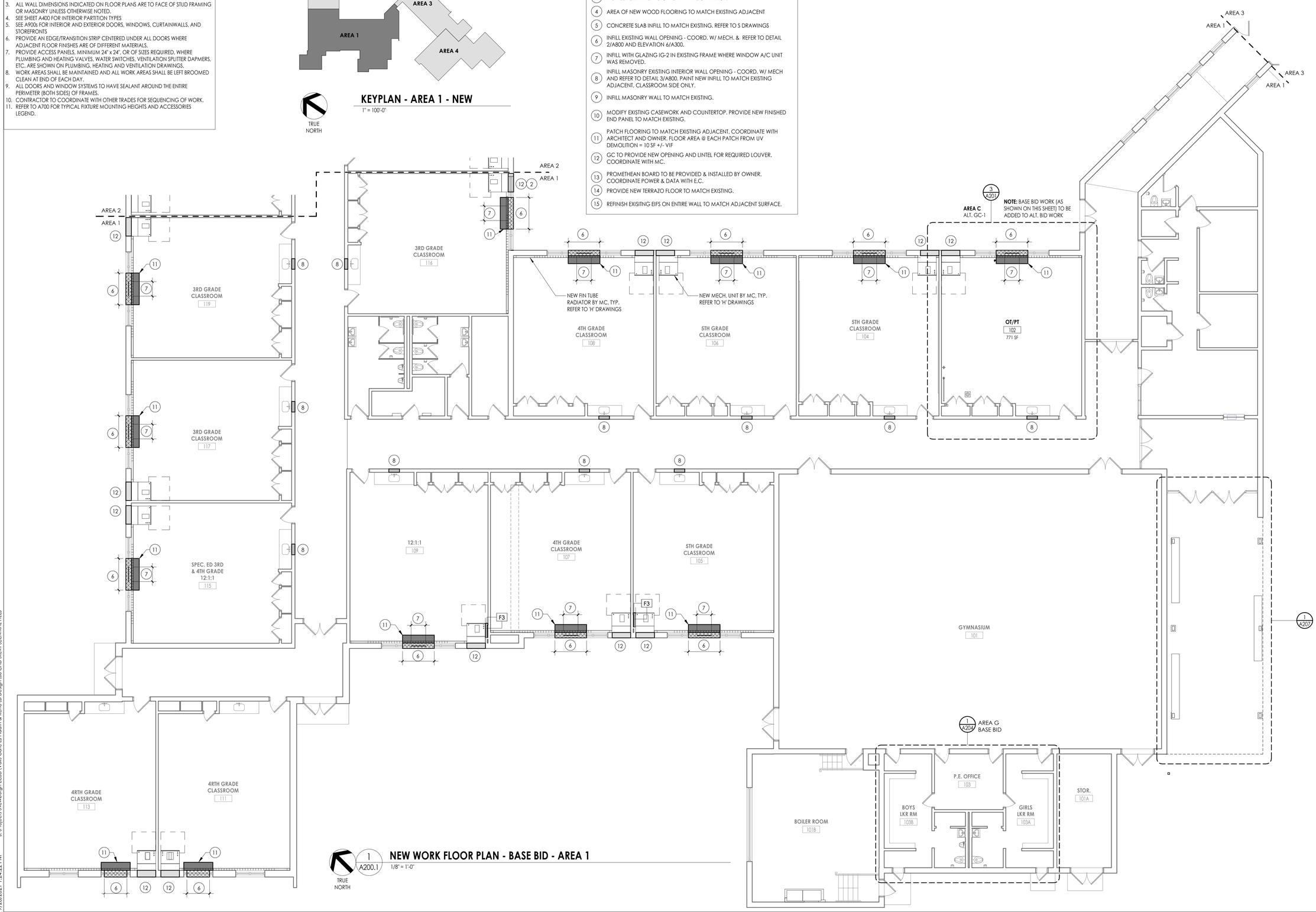
TRUE NORTH

KEYPLAN - AREA 1 - NEW

1" = 100'-0"

FLOOR PLAN KEY NOTES

1. INFILL EXISTING WALL OPENINGS - COORD. W/ MECH. & REFER TO DETAIL 1/A800 AND ELEVATION 5/A300.
2. INSTALL INSULATED METAL PANEL IN EXISTING WINDOW FRAME. FINISH TO MATCH EXISTING WINDOW FRAME.
3. INSTALL PERMANENT STOPPER IN WINDOW TRACK.
4. AREA OF NEW WOOD FLOORING TO MATCH EXISTING ADJACENT
5. CONCRETE SLAB INFILL TO MATCH EXISTING. REFER TO S DRAWINGS
6. INFILL EXISTING WALL OPENING - COORD. W/ MECH. & REFER TO DETAIL 2/A800 AND ELEVATION 6/A300.
7. INFILL WITH GLAZING IG-2 IN EXISTING FRAME WHERE WINDOW A/C UNIT WAS REMOVED.
8. INFILL MASONRY EXISTING INTERIOR WALL OPENING - COORD. W/ MECH AND REFER TO DETAIL 3/A800. PAINT NEW INFILL TO MATCH EXISTING ADJACENT, CLASSROOM SIDE ONLY.
9. INFILL MASONRY WALL TO MATCH EXISTING.
10. MODIFY EXISTING CASEWORK AND COUNTERTOP. PROVIDE NEW FINISHED END PANEL TO MATCH EXISTING.
11. PATCH FLOORING TO MATCH EXISTING ADJACENT. COORDINATE WITH ARCHITECT AND OWNER. FLOOR AREA @ EACH PATCH FROM UV DEMOLITION = 10 SF +/- VIF
12. GC TO PROVIDE NEW OPENING AND LINTEL FOR REQUIRED LOUVER. COORDINATE WITH MC.
13. PROMETHEAN BOARD TO BE PROVIDED & INSTALLED BY OWNER. COORDINATE POWER & DATA WITH E.C.
14. PROVIDE NEW TERRAZO FLOOR TO MATCH EXISTING.
15. REFINISH EXISITNG EIFS ON ENTIRE WALL TO MATCH ADJACENT SURFACE.



TRUE NORTH

NEW WORK FLOOR PLAN - BASE BID - AREA 1

1 A200.1

1/8" = 1'-0"

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13940.20

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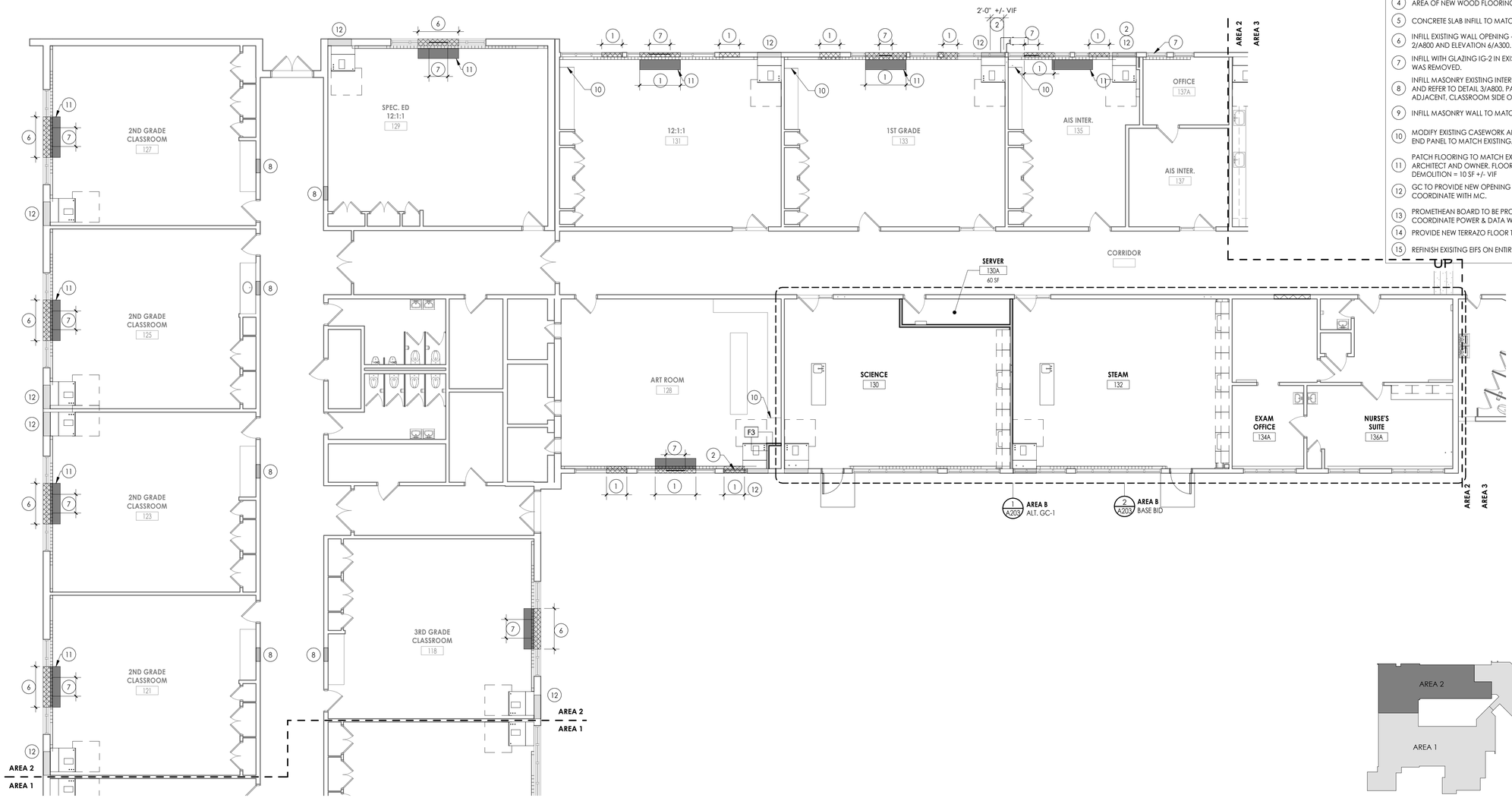
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Drawn By: JPN
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Drawing Title
NEW WORK FLOOR PLAN AREA 1

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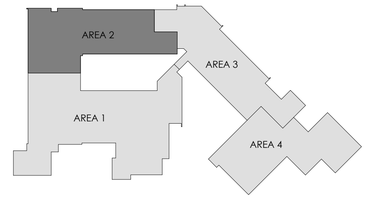
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NEW WORK FLOOR PLAN - BASE BID - AREA 2

1 / A200.2 — 1/8" = 1'-0"

TRUE NORTH



KEYPLAN - AREA 2 - NEW

1" = 100'-0"

TRUE NORTH

FLOOR PLAN GENERAL NOTES

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2. THE GENERAL CONTRACTOR IS RESPONSIBLE TO FIRESTOP ALL NEW PARTITIONS TO THE STRUCTURAL DECK ABOVE. FIRESTOPPING HEADS OF WALLS IS TO OCCUR AT ALL NEW WALL CONSTRUCTION WITHIN THE PROJECT.
3. ALL WALL DIMENSIONS INDICATED ON FLOOR PLANS ARE TO FACE OF STUD FRAMING OR MASONRY UNLESS OTHERWISE NOTED.
4. SEE SHEET A400 FOR INTERIOR PARTITION TYPES
5. SEE A900s FOR INTERIOR AND EXTERIOR DOORS, WINDOWS, CURTAINWALLS, AND STOREFRONTS
6. PROVIDE AN EDGE/TRANSITION STRIP CENTERED UNDER ALL DOORS WHERE ADJACENT FLOOR FINISHES ARE OF DIFFERENT MATERIALS.
7. PROVIDE ACCESS PANELS, MINIMUM 24" x 24", OR OF SIZES REQUIRED, WHERE PLUMBING AND HEATING VALVES, WATER SWITCHES, VENTILATION SPLITTER DAPMERS, ETC. ARE SHOWN ON PLUMBING, HEATING AND VENTILATION DRAWINGS.
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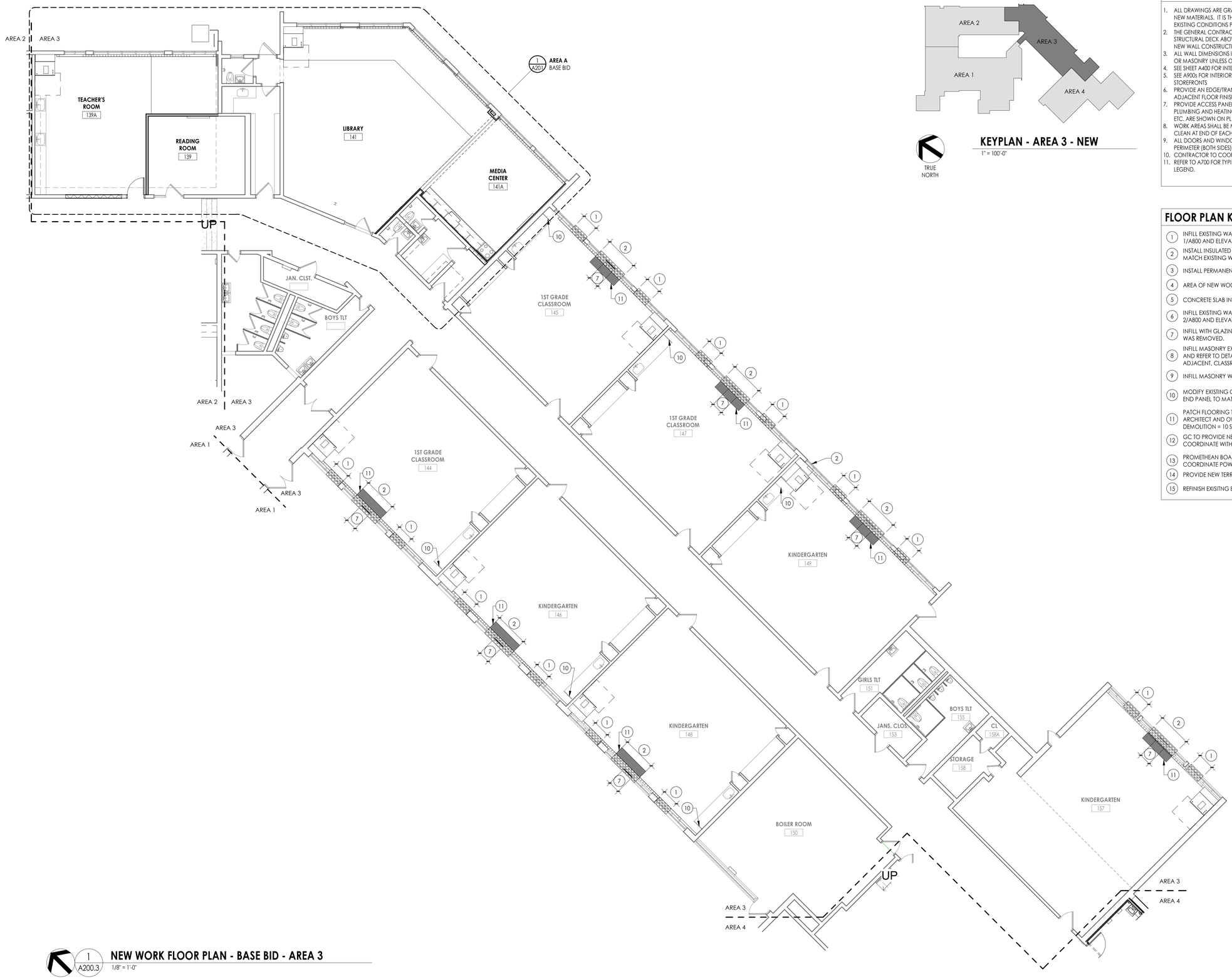
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NEW WORK FLOOR PLAN AREA 2

VG
A200.2

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TRUE NORTH

KEYPLAN - AREA 3 - NEW

1" = 100'-0"

FLOOR PLAN GENERAL NOTES

1. ALL DRAWINGS ARE GRAPHIC REPRESENTATIONS OF APPROXIMATE LOCATIONS OF NEW MATERIALS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF WORK.
2. THE GENERAL CONTRACTOR IS RESPONSIBLE TO FIRESTOP ALL NEW PARTITIONS TO THE STRUCTURAL DECK ABOVE. FIRESTOPPING HEADS OF WALLS IS TO OCCUR AT ALL NEW WALL CONSTRUCTION WITHIN THE PROJECT.
3. ALL WALL DIMENSIONS INDICATED ON FLOOR PLANS ARE TO FACE OF STUD FRAMING OR MASONRY UNLESS OTHERWISE NOTED.
4. SEE SHEET A400 FOR INTERIOR PARTITION TYPES
5. SEE A900S FOR INTERIOR AND EXTERIOR DOORS, WINDOWS, CURTAINWALLS, AND STOREFRONTS
6. PROVIDE AN EDGE/TRANSITION STRIP CENTERED UNDER ALL DOORS WHERE ADJACENT FLOOR FINISHES ARE OF DIFFERENT MATERIALS.
7. PROVIDE ACCESS PANELS, MINIMUM 24" x 24", OR OF SIZES REQUIRED, WHERE PLUMBING AND HEATING VALVES, WATER SWITCHES, VENTILATION SPLITTER DAPMERS, ETC. ARE SHOWN ON PLUMBING, HEATING AND VENTILATION DRAWINGS.
8. WORK AREAS SHALL BE MAINTAINED AND ALL WORK AREAS SHALL BE LEFT BROOMED CLEAN AT END OF EACH DAY.
9. ALL DOORS AND WINDOW SYSTEMS TO HAVE SEALANT AROUND THE ENTIRE PERIMETER (BOTH SIDES) OF FRAMES.
10. CONTRACTOR TO COORDINATE WITH OTHER TRADES FOR SEQUENCING OF WORK.
11. REFER TO A700 FOR TYPICAL FIXTURE MOUNTING HEIGHTS AND ACCESSORIES LEGEND.

FLOOR PLAN KEY NOTES

1. INFILL EXISTING WALL OPENINGS - COORD. W/ MECH. & REFER TO DETAIL 1/A800 AND ELEVATION 5/A300.
2. INSTALL INSULATED METAL PANEL IN EXISTING WINDOW FRAME, FINISH TO MATCH EXISTING WINDOW FRAME.
3. INSTALL PERMANENT STOPPER IN WINDOW TRACK.
4. AREA OF NEW WOOD FLOORING TO MATCH EXISTING ADJACENT
5. CONCRETE SLAB INFILL TO MATCH EXISTING. REFER TO S DRAWINGS
6. INFILL EXISTING WALL OPENING - COORD. W/ MECH. & REFER TO DETAIL 2/A800 AND ELEVATION 6/A300.
7. INFILL WITH GLAZING IG-2 IN EXISTING FRAME WHERE WINDOW A/C UNIT WAS REMOVED.
8. INFILL MASONRY EXISTING INTERIOR WALL OPENING - COORD. W/ MECH AND REFER TO DETAIL 3/A800. PAINT NEW INFILL TO MATCH EXISTING ADJACENT, CLASSROOM SIDE ONLY.
9. INFILL MASONRY WALL TO MATCH EXISTIING.
10. MODIFY EXISTING CASEWORK AND COUNTERTOP. PROVIDE NEW FINISHED END PANEL TO MATCH EXISTING.
11. PATCH FLOORING TO MATCH EXISTING ADJACENT. COORDINATE WITH ARCHITECT AND OWNER. FLOOR AREA @ EACH PATCH FROM UV DEMOLITION = 10 SF +/- VIF
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14. PROVIDE NEW TERRAZO FLOOR TO MATCH EXISTING.
15. REFINISH EXISITNG EIFS ON ENTIRE WALL TO MATCH ADJACENT SURFACE.

TRUE NORTH

1 / A200.3

NEW WORK FLOOR PLAN - BASE BID - AREA 3

1/8" = 1'-0"

CPL | Architecture Engineering Planning
50 FRONT ST. SUITE 102
NEWBURGH, NY 12550
CPLteam.com

PROJECT INFORMATION

Project Number
13940.20

Client Name
NEWBURGH ENLARGED CITY SCHOOL DISTRICT

Project Name
PHASE 5: 2019 CAPITAL IMPROVEMENTS PROJECT

SED # 44-16-00-01-0-018-009

Project Address
400 Old Forge Hill Rd, New Windsor, NY 12553

REVISION SCHEDULE

#	Date	Description

SHEET INFORMATION

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BID DOCUMENTS

Drawn By: Author
Checked By: Checker

Drawing Title
NEW WORK FOOR PLAN AREA 3

VG
A200.3

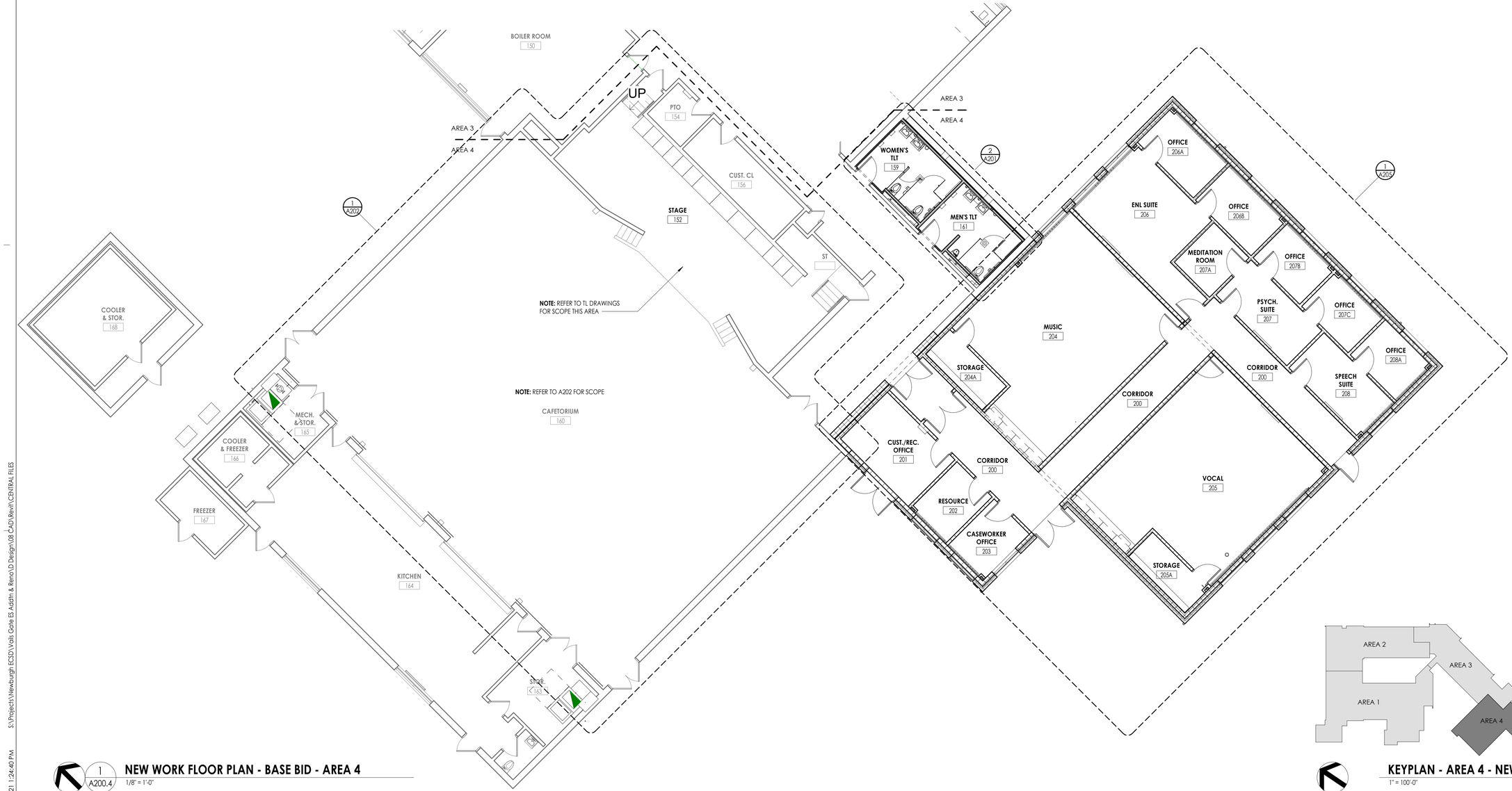
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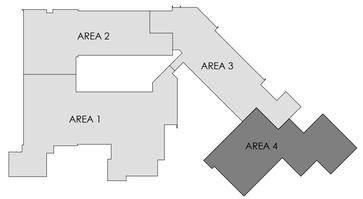
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1 A200.4 TRUE NORTH

NEW WORK FLOOR PLAN - BASE BID - AREA 4

1/8" = 1'-0"



TRUE NORTH

KEYPLAN - AREA 4 - NEW

1" = 100'-0"

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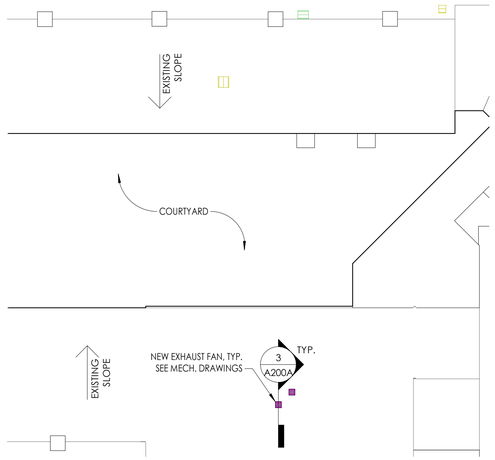
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Drawn By: Author
Checked By: Checker

Drawing Title
NEW WORK FLOOR PLAN AREA 4

VG
A200.4

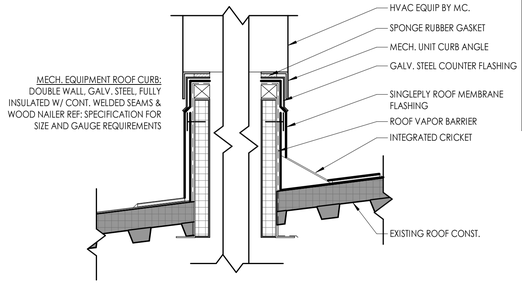
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ROOF PLAN - NEW WORK - ALT. GC-1

2 A200A — 1" = 20'-0"

TRUE NORTH



TYPICAL EQUIP. CURB PENETRATION DETAIL

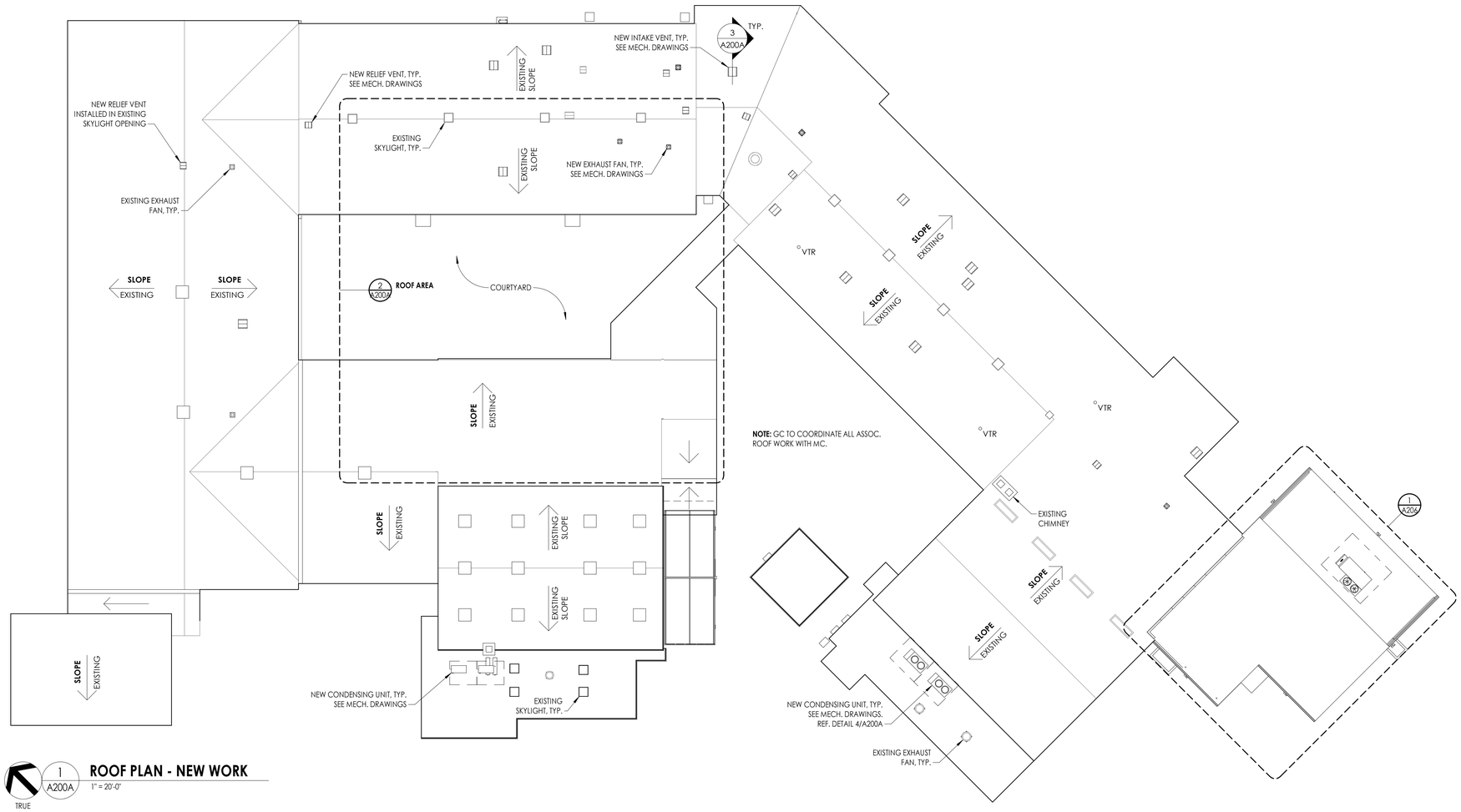
3 A200A — 1 1/2" = 1'-0"

ROOF PLAN GENERAL NOTES

1. ALL DRAWINGS ARE GRAPHIC REPRESENTATIONS OF APPROXIMATE LOCATIONS OF MATERIALS. IT IS THE CONTRACTORS RESPONSIBILITY TO FIELD VERIFY ALL CONDITIONS PRIOR TO THE COMMENCEMENT OF WORK.
2. REFER TO ALL DRAWINGS IN THE SET FOR LOCATIONS OF ALL ROOF PENETRATIONS. PROVIDE FRAMING AS REQUIRED.
3. CONTRACTOR SHALL PAINT ALL ROOF FASTENERS EXPOSED TO VIEW AT UNDERSIDE OF DECK TO MATCH.
4. WORK AREAS SHALL BE MAINTAINED AND ALL WORK AREAS SHALL BE BROOM CLEAN AT THE END OF EACH DAY.
5. ALL WOOD BLOCKING USED SHALL BE PRESSURE TREATED.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING ALL ROOF DRAINS AND CUTTING THE HOLES IN THE DECK FOR ANY DRAINS AND PROVIDING STRUCTURAL SUPPORTS.
7. THE ROOF ELEVATIONS SHOWN ON THE PLAN ARE SHOWN TO ESTABLISH RELATIVE HEIGHTS OF THE INDIVIDUAL ROOFS.
8. NO WEEP HOLES SHALL BE COVERED OR PLUGGED AS A RESULT OF THE ROOFING WORK, UNLESS OTHERWISE DIRECTED.
9. THE CONTRACTOR SHALL BE RESPONSIBLE TO MAINTAIN WATER TIGHTNESS AND PROVIDE PROTECTION AT ANY/ALL OPENINGS IN THE ROOF LEFT AT THE END OF EACH DAY.
10. PROVIDE CRICKETS FOR WATER DIVERSION AT ALL CURBS, RAILS, ETC. WHICH RUN PERPENDICULAR TO THE SLOPE OF THE INSULATION/SLOPED STRUCTURE.
11. ALL ROOF TOP UNITS SHALL BE MOUNTED ON 16" MIN. INSULATED METAL CURBS. PROVIDE TAPERED INSULATION CRICKETS AS REQUIRED TO SHED WATER. WOOD BLOCKING SHALL BE PROVIDED SO CURBS ARE 8" ABOVE FINISHED ROOF SURFACE.
12. THE MINIMUM INSULATION THICKNESS SHALL BE 1.5" THE AVERAGE INSULATION THICKNESS SHALL BE NO LESS THAN 4". SLOPE OF TAPERED INSULATION TO BE A MINIMUM OF 1/4" PER FOOT AT ALL FLAT ROOFS.

ROOF PLAN LEGEND

L.P. XX"	SLOPED INSULATION LOW POINT (MIN. 5 1/2")
H.P. XX"	SLOPED INSULATION HIGH POINT (MIN. 5 1/2")
	SLOPED INSULATION ROOF CRICKET. PROVIDE 1/4"/ 1'-0" POSITIVE DRAINAGE
VTR	VENT THRU ROOF, PROVIDE FLASHING PER ROOF MANUFACTURER'S DETAILS
	MECH. CURB (W/ CRICKET), PROVIDE FLASHING PER ROOF MANUFACTURER'S DETAILS
	SKYLIGHT
	CONDENSOR UNIT
SLOPE 1/4" / 12"	ROOF SLOPE
	ROOF PAVER/MEMBRANE WALKWAY SYSTEM TYP.
	EXISTING THRU WALL SCUPPER W/ DOWNSPOUT.
	ROOF TOP UNIT (RTU)



ROOF PLAN - NEW WORK

1 A200A — 1" = 20'-0"

TRUE NORTH

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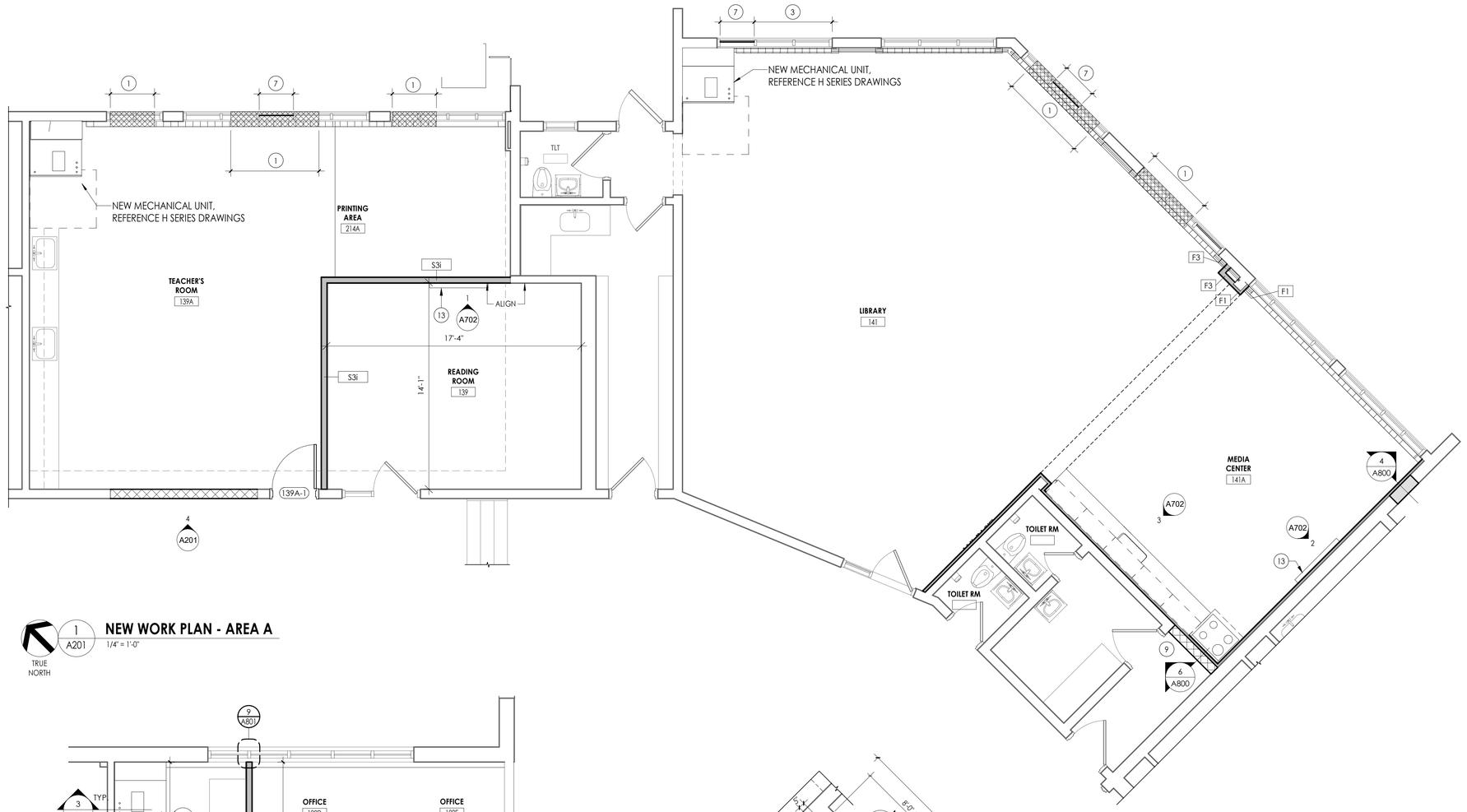
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Drawn By: JPN
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Drawing Title
OVERALL ROOF PLAN

VG
A200A

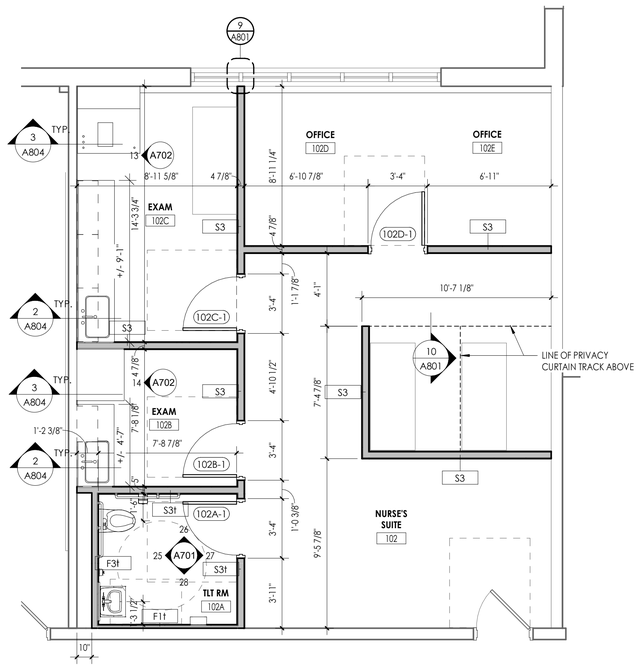
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1 A201 **NEW WORK PLAN - AREA A**

1/4" = 1'-0"

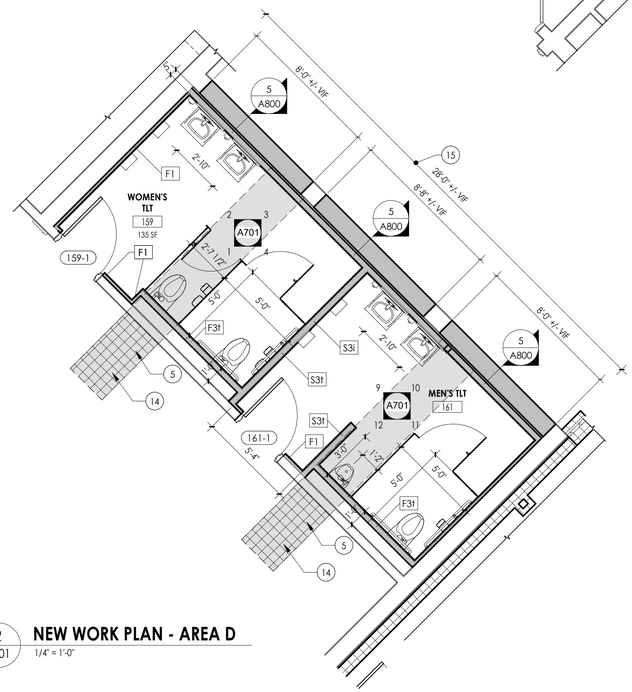
TRUE NORTH



3 A201 **NEW WORK PLAN - AREA C - ALTERNATE BID GC-01**

1/4" = 1'-0"

TRUE NORTH



2 A201 **NEW WORK PLAN - AREA D**

1/4" = 1'-0"

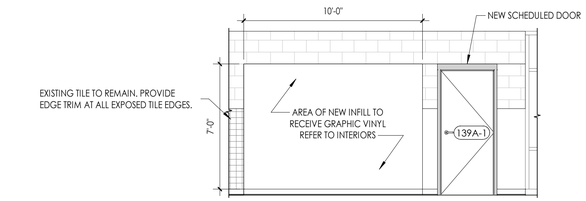
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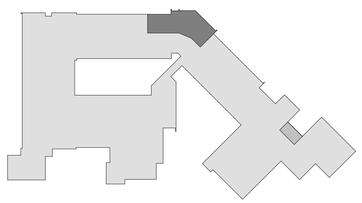
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4 A201 **INTERIOR WINDOW NEW - ELEVATION**

1/4" = 1'-0"



KEYPLAN

1" = 100'-0"

TRUE NORTH

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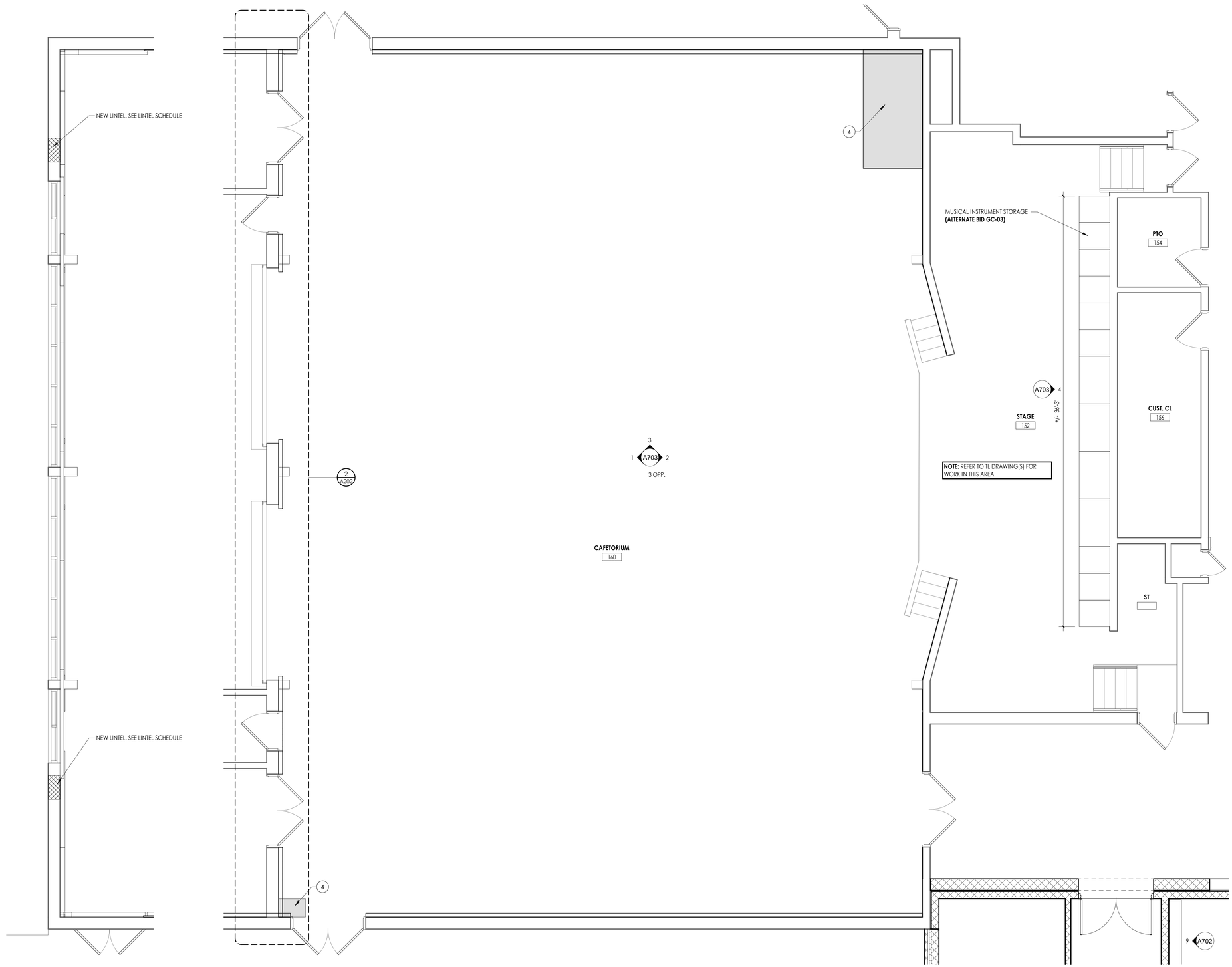
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Drawing Title
ENLARGED NEW WORK PLANS

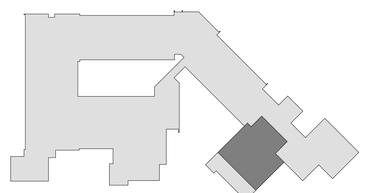
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2 A202 **AREA F UPPER - NEW WORK PLAN**
1/4" = 1'-0"

1 A202 **NEW WORK PLAN - AREA F**
1/4" = 1'-0"



TRUE NORTH

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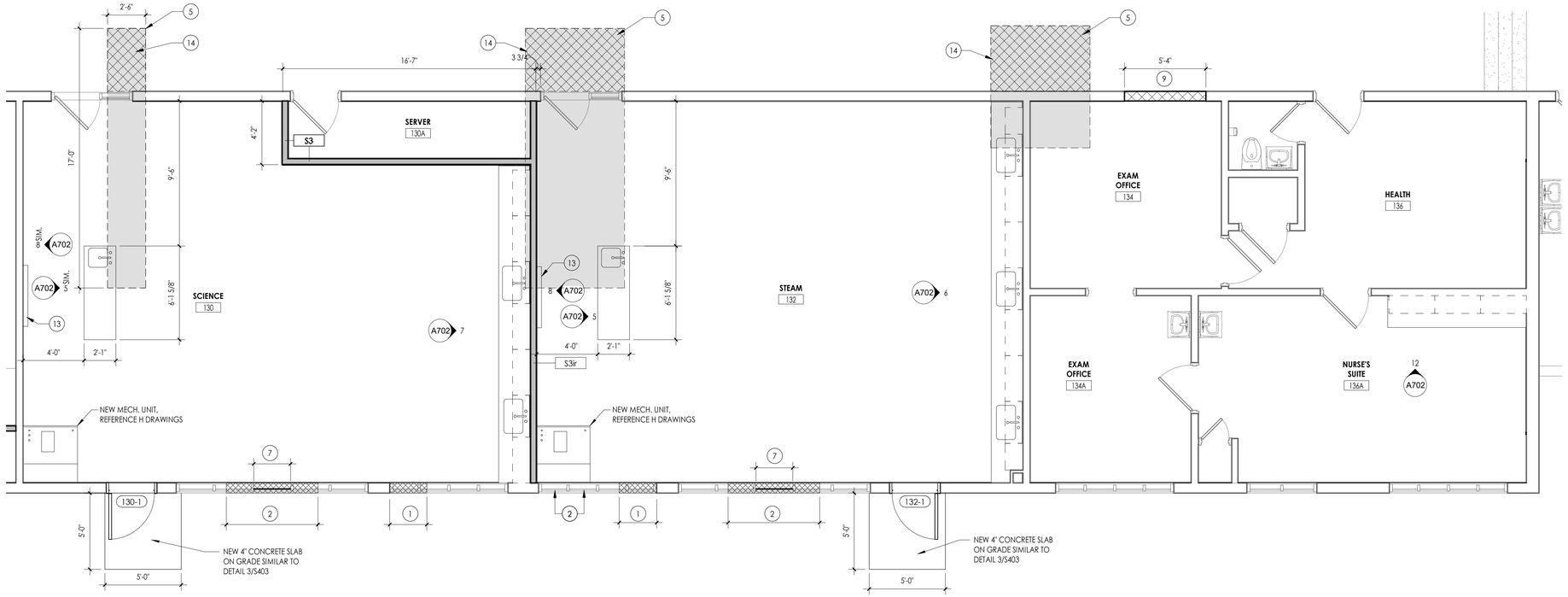
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BID DOCUMENTS

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Checked By: Checker

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ENLARGED NEW WORK PLANS

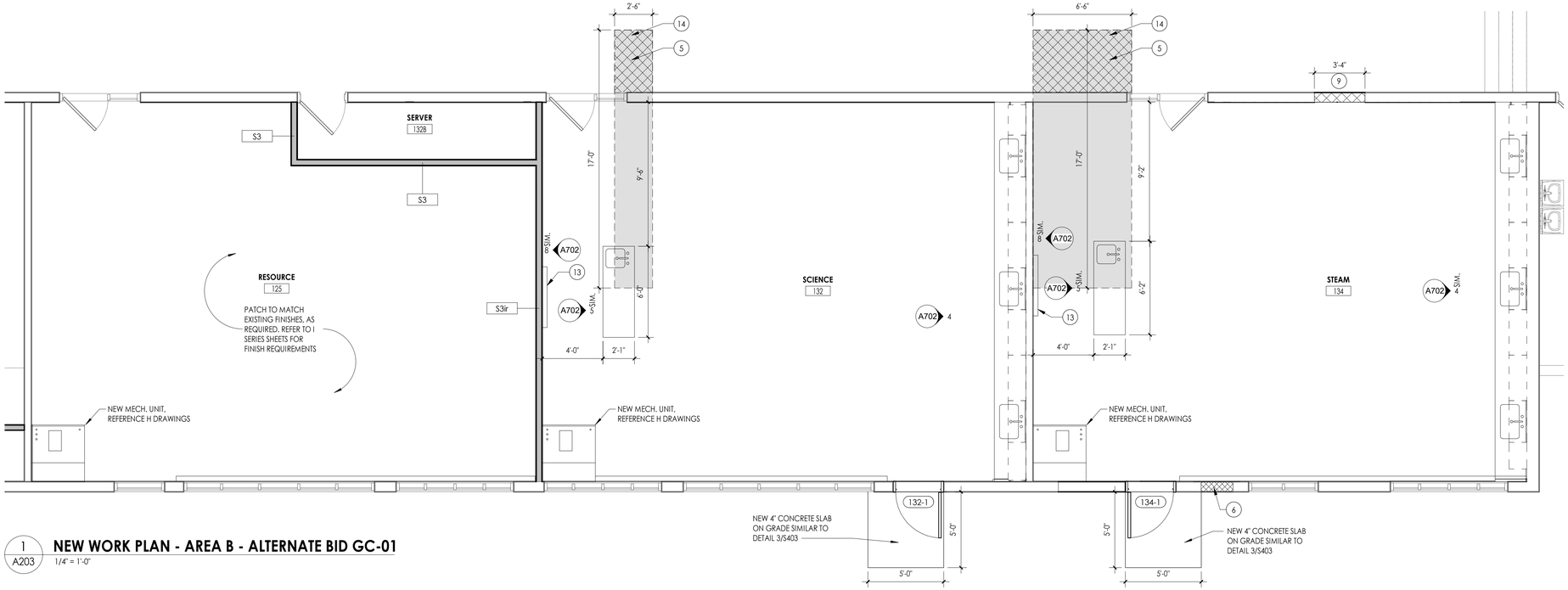
VG
A202

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2 A203 NEW WORK PLAN - AREA B - BASE BID

1/4" = 1'-0"



1 A203 NEW WORK PLAN - AREA B - ALTERNATE BID GC-01

1/4" = 1'-0"

FLOOR PLAN GENERAL NOTES

1. ALL DRAWINGS ARE GRAPHIC REPRESENTATIONS OF APPROXIMATE LOCATIONS OF NEW MATERIALS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF WORK.
2. THE GENERAL CONTRACTOR IS RESPONSIBLE TO FIRESTOP ALL NEW PARTITIONS TO THE STRUCTURAL DECK ABOVE. FIRESTOPPING HEADS OF WALLS IS TO OCCUR AT ALL NEW WALL CONSTRUCTION WITHIN THE PROJECT.
3. ALL WALL DIMENSIONS INDICATED ON FLOOR PLANS ARE TO FACE OF STUD FRAMING OR MASONRY UNLESS OTHERWISE NOTED.
4. SEE SHEET A400 FOR INTERIOR PARTITION TYPES
5. SEE A900S FOR INTERIOR AND EXTERIOR DOORS, WINDOWS, CURTAINWALLS, AND STOREFRONTS
6. PROVIDE AN EDGE/TRANSITION STRIP CENTERED UNDER ALL DOORS WHERE ADJACENT FLOOR FINISHES ARE OF DIFFERENT MATERIALS.
7. PROVIDE ACCESS PANELS, MINIMUM 24" x 24", OR OF SIZES REQUIRED, WHERE PLUMBING AND HEATING VALVES, WATER SWITCHES, VENTILATION SPLITTER DAPMERS, ETC. ARE SHOWN ON PLUMBING, HEATING AND VENTILATION DRAWINGS.
8. WORK AREAS SHALL BE MAINTAINED AND ALL WORK AREAS SHALL BE LEFT BROOMED CLEAN AT END OF EACH DAY.
9. ALL DOORS AND WINDOW SYSTEMS TO HAVE SEALANT AROUND THE ENTIRE PERIMETER (BOTH SIDES) OF FRAMES.
10. CONTRACTOR TO COORDINATE WITH OTHER TRADES FOR SEQUENCING OF WORK.
11. REFER TO A700 FOR TYPICAL FIXTURE MOUNTING HEIGHTS AND ACCESSORIES LEGEND.

FLOOR PLAN KEY NOTES

1. INFILL EXISTING WALL OPENINGS - COORD. W/ MECH. & REFER TO DETAIL 1/A800 AND ELEVATION 5/A300.
2. INSTALL INSULATED METAL PANEL IN EXISTING WINDOW FRAME, FINISH TO MATCH EXISTING WINDOW FRAME.
3. INSTALL PERMANENT STOPPER IN WINDOW TRACK.
4. AREA OF NEW WOOD FLOORING TO MATCH EXISTING ADJACENT
5. CONCRETE SLAB INFILL TO MATCH EXISTING, REFER TO S DRAWINGS
6. INFILL EXISTING WALL OPENING - COORD. W/ MECH. & REFER TO DETAIL 2/A800 AND ELEVATION 6/A300.
7. INFILL WITH GLAZING IG-2 IN EXISTING FRAME WHERE WINDOW A/C UNIT WAS REMOVED.
8. INFILL MASONRY EXISTING INTERIOR WALL OPENING - COORD. W/ MECH AND REFER TO DETAIL 3/A800. PAINT NEW INFILL TO MATCH EXISTING ADJACENT. CLASSROOM SIDE ONLY.
9. INFILL MASONRY WALL TO MATCH EXISTING.
10. MODIFY EXISTING CASEWORK AND COUNTERTOP. PROVIDE NEW FINISHED END PANEL TO MATCH EXISTING.
11. PATCH FLOORING TO MATCH EXISTING ADJACENT. COORDINATE WITH ARCHITECT AND OWNER. FLOOR AREA @ EACH PATCH FROM UV DEMOLITION = 10 SF +/- VIF
12. GC TO PROVIDE NEW OPENING AND LINTEL FOR REQUIRED LOUVER. COORDINATE WITH M.C.
13. PROMETHEAN BOARD TO BE PROVIDED & INSTALLED BY OWNER. COORDINATE POWER & DATA WITH E.C.
14. PROVIDE NEW TERRAZO FLOOR TO MATCH EXISTING.
15. REFINISH EXISITNG EIFS ON ENTIRE WALL TO MATCH ADJACENT SURFACE.

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NEWBURGH, NY 12550
CPLteam.com

PROJECT INFORMATION

Project Number
13940.20

Client Name
NEWBURGH ENLARGED CITY SCHOOL DISTRICT

Project Name
PHASE 5: 2019 CAPITAL IMPROVEMENTS PROJECT

SED # 44-16-00-01-0-018-009

Project Address
400 Old Forge Hill Rd, New Windsor, NY 12553

REVISION SCHEDULE

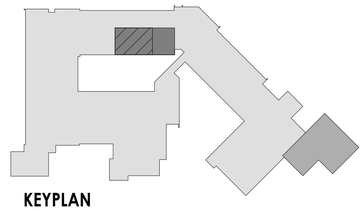
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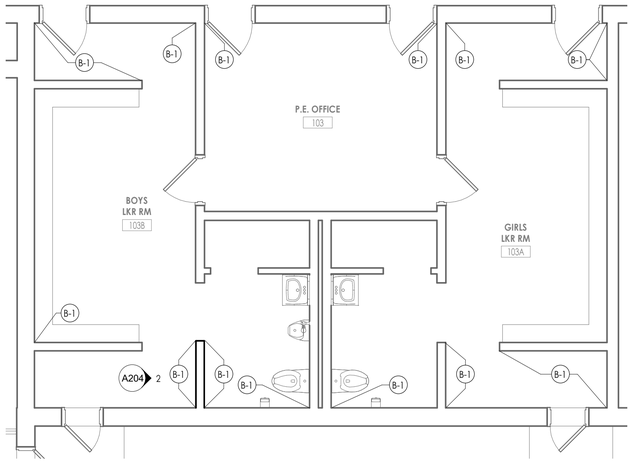
Drawing Title
ENLARGED NEW WORK PLANS



KEYPLAN
1" = 100'-0"

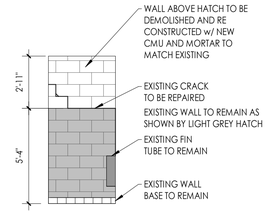
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A203

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1 A204 **NEW WORK PLAN - AREA G**
1/4" = 1'-0"

TRUE
NORTH



2 A204 **CMU REPAIR 1**
1/4" = 1'-0"

CMU RESTORATION NOTES

B-1 CUT OUT 1" DEEP EXISTING MORTAR OR TO A SOUND SURFACE WHERE MORTAR CRACKING OCCURS. REPOINT JOINTS, PAINT ENTIRE WALL TO MATCH EXISTING ADJACENT WALLS. ALLOW FOR 150 LINEAR FEET OF VERTICAL & HORIZONTAL JOINT REPOINT.

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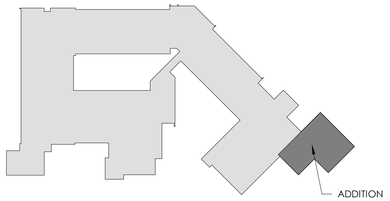
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Drawing Title
ENLARGED NEW WORK PLAN

VG
A204

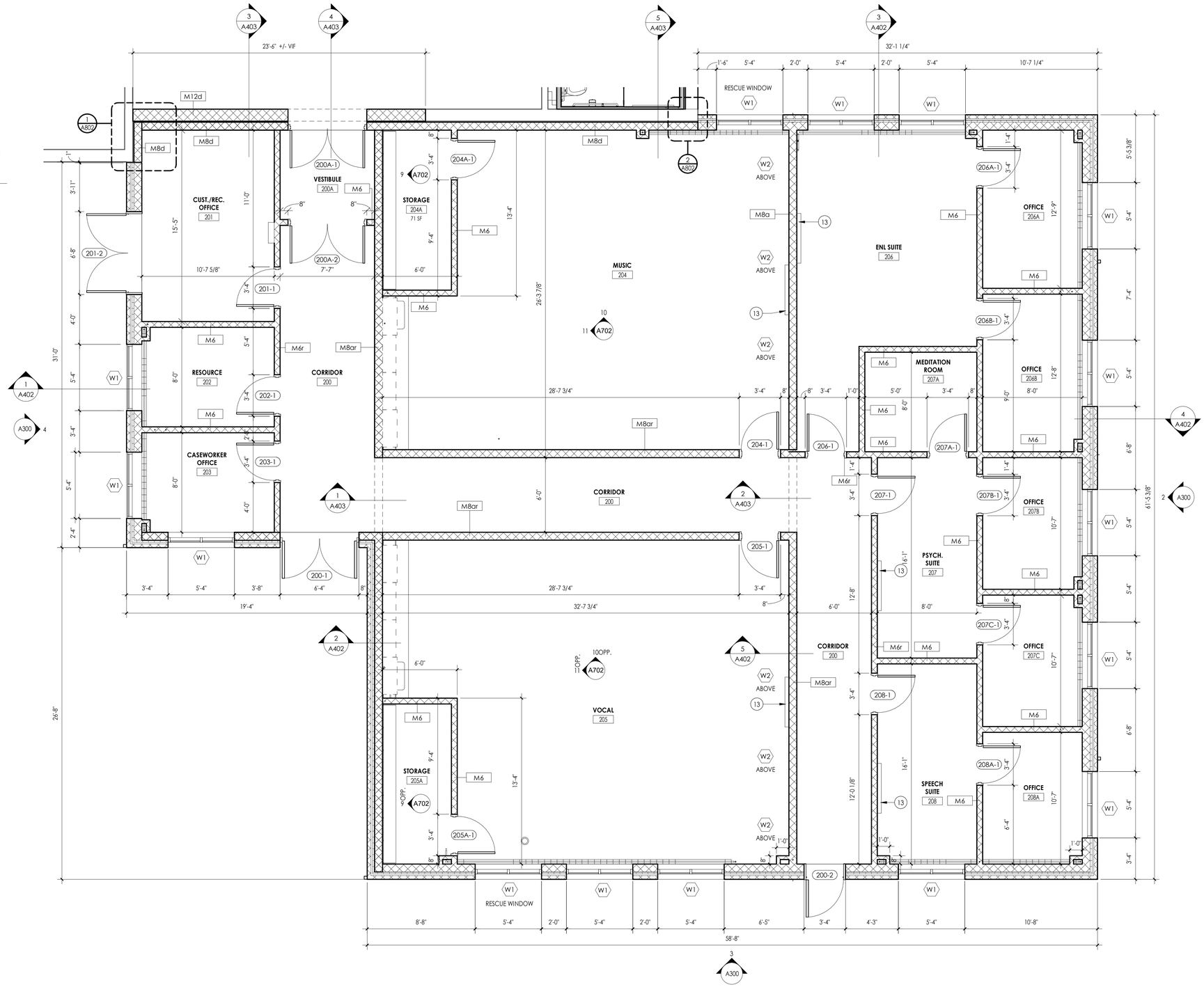
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TRUE NORTH

KEYPLAN - ADDITION

1" = 100'-0"



FLOOR PLAN GENERAL NOTES

1. ALL DRAWINGS ARE GRAPHIC REPRESENTATIONS OF APPROXIMATE LOCATIONS OF NEW MATERIALS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF WORK.
2. THE GENERAL CONTRACTOR IS RESPONSIBLE TO FIRESTOP ALL NEW PARTITIONS TO THE STRUCTURAL DECK ABOVE. FIRESTOPPING HEADS OF WALLS IS TO OCCUR AT ALL NEW WALL CONSTRUCTION WITHIN THE PROJECT.
3. ALL WALL DIMENSIONS INDICATED ON FLOOR PLANS ARE TO FACE OF STUD FRAMING OR MASONRY UNLESS OTHERWISE NOTED.
4. SEE SHEET A400 FOR INTERIOR PARTITION TYPES
5. SEE A900s FOR INTERIOR AND EXTERIOR DOORS, WINDOWS, CURTAINWALLS, AND STOREFRONTS
6. PROVIDE AN EDGE/TRANSITION STRIP CENTERED UNDER ALL DOORS WHERE ADJACENT FLOOR FINISHES ARE OF DIFFERENT MATERIALS.
7. PROVIDE ACCESS PANELS, MINIMUM 24" x 24", OR OF SIZES REQUIRED, WHERE PLUMBING AND HEATING VALVES, WATER SWITCHES, VENTILATION SPLITTER DAPMERS, ETC. ARE SHOWN ON PLUMBING, HEATING AND VENTILATION DRAWINGS.
8. WORK AREAS SHALL BE MAINTAINED AND ALL WORK AREAS SHALL BE LEFT BROOMED CLEAN AT END OF EACH DAY.
9. ALL DOORS AND WINDOW SYSTEMS TO HAVE SEALANT AROUND THE ENTIRE PERIMETER (BOTH SIDES) OF FRAMES.
10. CONTRACTOR TO COORDINATE WITH OTHER TRADES FOR SEQUENCING OF WORK.
11. REFER TO A700 FOR TYPICAL FIXTURE MOUNTING HEIGHTS AND ACCESSORIES LEGEND.

FLOOR PLAN KEY NOTES

1. INFILL EXISTING WALL OPENINGS - COORD. W/ MECH. & REFER TO DETAIL 1/A800 AND ELEVATION 5/A300.
2. INSTALL INSULATED METAL PANEL IN EXISTING WINDOW FRAME. FINISH TO MATCH EXISTING WINDOW FRAME.
3. INSTALL PERMANENT STOPPER IN WINDOW TRACK.
4. AREA OF NEW WOOD FLOORING TO MATCH EXISTING ADJACENT
5. CONCRETE SLAB INFILL TO MATCH EXISTING. REFER TO S DRAWINGS
6. INFILL EXISTING WALL OPENING - COORD. W/ MECH. & REFER TO DETAIL 2/A800 AND ELEVATION 6/A300.
7. INFILL WITH GLAZING IG-2 IN EXISTING FRAME WHERE WINDOW A/C UNIT WAS REMOVED.
8. INFILL MASONRY EXISTING INTERIOR WALL OPENING - COORD. W/ MECH AND REFER TO DETAIL 3/A800. PAINT NEW INFILL TO MATCH EXISTING ADJACENT, CLASSROOM SIDE ONLY.
9. INFILL MASONRY WALL TO MATCH EXISTING.
10. MODIFY EXISTING CASEWORK AND COUNTERTOP. PROVIDE NEW FINISHED END PANEL TO MATCH EXISTING.
11. PATCH FLOORING TO MATCH EXISTING ADJACENT. COORDINATE WITH ARCHITECT AND OWNER. FLOOR AREA @ EACH PATCH FROM UV DEMOLITION = 10 SF +/- VIF
12. GC TO PROVIDE NEW OPENING AND LINTEL FOR REQUIRED LOUVER. COORDINATE WITH MC.
13. PROMETHEAN BOARD TO BE PROVIDED & INSTALLED BY OWNER. COORDINATE POWER & DATA WITH E.C.
14. PROVIDE NEW TERRAZO FLOOR TO MATCH EXISTING.
15. REFINISH EXISITNG EIFS ON ENTIRE WALL TO MATCH ADJACENT SURFACE.

TRUE NORTH

NEW WORK ENLARGED - ADDITION

1/4" = 1'-0"

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NEWBURGH, NY 12550
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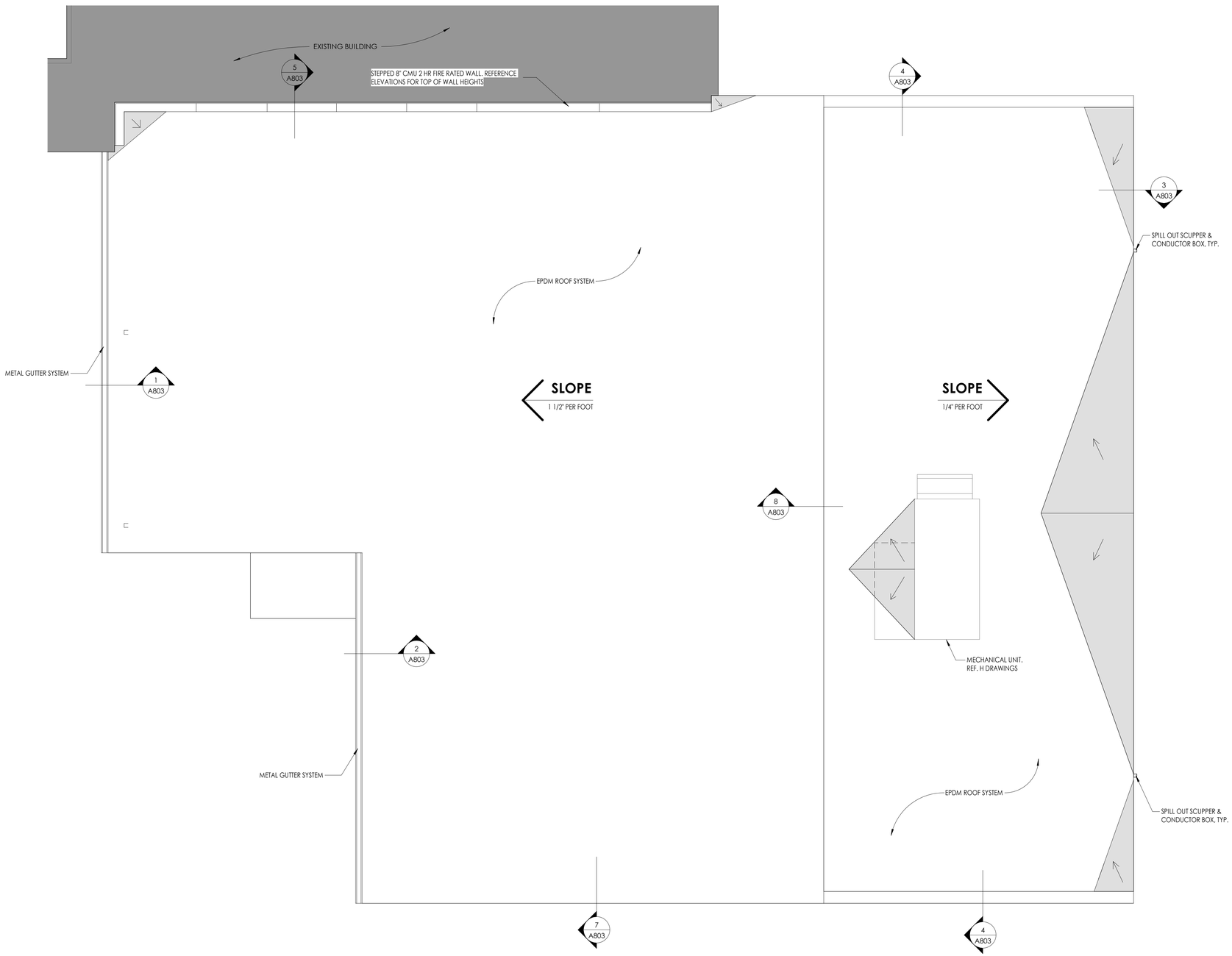
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Drawn By: JPN
Checked By: PC

Drawing Title
ENLARGED ADDITION FLOOR PLAN

VG
A205

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1 A206 TRUE NORTH

ENLARGED ADDITION ROOF PLAN

1/4" = 1'-0"

ROOF PLAN GENERAL NOTES

1. ALL DRAWINGS ARE GRAPHIC REPRESENTATIONS OF APPROXIMATE LOCATIONS OF MATERIALS. IT IS THE CONTRACTORS RESPONSIBILITY TO FIELD VERIFY ALL CONDITITONS PRIOR TO THE COMMENCEMENT OF WORK.
2. REFER TO ALL DRAWINGS IN THE SET FOR LOCATIONS OF ALL ROOF PENETRATIONS. PROVIDE FRAMING AS REQUIRED.
3. CONTRACTOR SHALL PAINT ALL ROOF FASTENERS EXPOSED TO VIEW AT UNDERSIDE OF DECK TO MATCH.
4. WORK AREAS SHALL BE MAINTAINED AND ALL WORK AREAS SHALL BE BROOM CLEAN AT THE END OF EACH DAY.
5. ALL WOOD BLOCKING USED SHALL BE PRESSURE TREATED.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING ALL ROOF DRAINS AND CUTTING THE HOLES IN THE DECK FOR ANY DRAINS AND PROVIDING STRUCTURAL SUPPORTS.
7. THE ROOF ELEVATIONS SHOWN ON THE PLAN ARE SHOWN TO ESTABLISH RELATIVE HEIGHTS OF THE INDIVIDUAL ROOFS.
8. NO WEEP HOLES SHALL BE COVERED OR PLUGGED AS A RESULT OF THE ROOFING WORK, UNLESS OTHERWISE DIRECTED.
9. THE CONTRACTOR SHALL BE RESPONSIBLE TO MAINTAIN WATER TIGHTNESS AND PROVIDE PROTECTION AT ANY/ALL OPENINGS IN THE ROOF LEFT AT THE END OF EACH DAY.
10. PROVIDE CRICKETS FOR WATER DIVERSION AT ALL CURBS, RAILS, ETC. WHICH RUN PERPENDICULAR TO THE SLOPE OF THE INSULATION/SLOPED STRUCTURE.
11. ALL ROOF TOP UNITS SHALL BE MOUNTED ON 16" MIN. INSULATED METAL CURBS. PROVIDE TAPERED INSULATION CRICKETS AS REQUIRED TO SHED WATER. WOOD BLOCKING SHALL BE PROVIDED SO CURBS ARE 8" ABOVE FINISHED ROOF SURFACE.
12. THE MINIMUM INSULATION THICKNESS SHALL BE 1.5" THE AVERAGE INSULATION THICKNESS SHALL BE NO LESS THAN 4". SLOPE OF TAPERED INSULATION TO BE A MINIMUM OF 1/4" PER FOOT AT ALL FLAT ROOFS.

ROOF PLAN LEGEND

L.P. XX"	SLOPED INSULATION LOW POINT (MIN. 5 1/2")
H.P. XX"	SLOPED INSULATION HIGH POINT (MIN. 5 1/2")
	SLOPED INSULATION ROOF CRICKET. PROVIDE 1/4"/ 1'-0" POSITIVE DRAINAGE
VTR	VENT THRU ROOF, PROVIDE FLASHING PER ROOF MANUFACTURER'S DETAILS
	MECH. CURB (W/ CRICKET), PROVIDE FLASHING PER ROOF MANUFACTURER'S DETAILS
	SKYLIGHT
	CONDENSOR UNIT
SLOPE 1/4" / 12"	ROOF SLOPE
	ROOF PAVER/MEMBRANE WALKWAY SYSTEM TYP.
	EXISTING THRU WALL SCUPPER W/ DOWNSPOUT.
	ROOF TOP UNIT (RTU)

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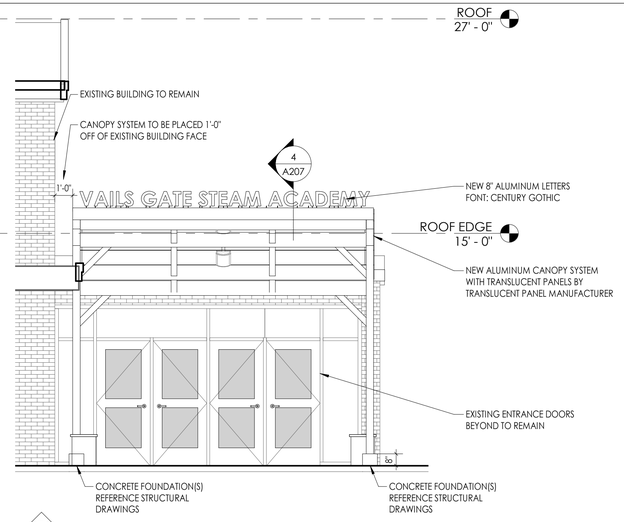
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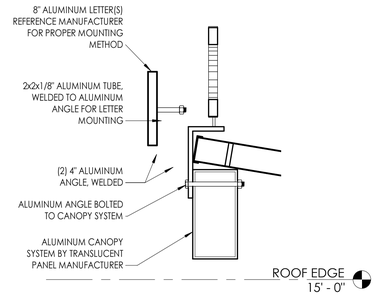
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ENLARGED ADDITION ROOF PLAN

VG
A206

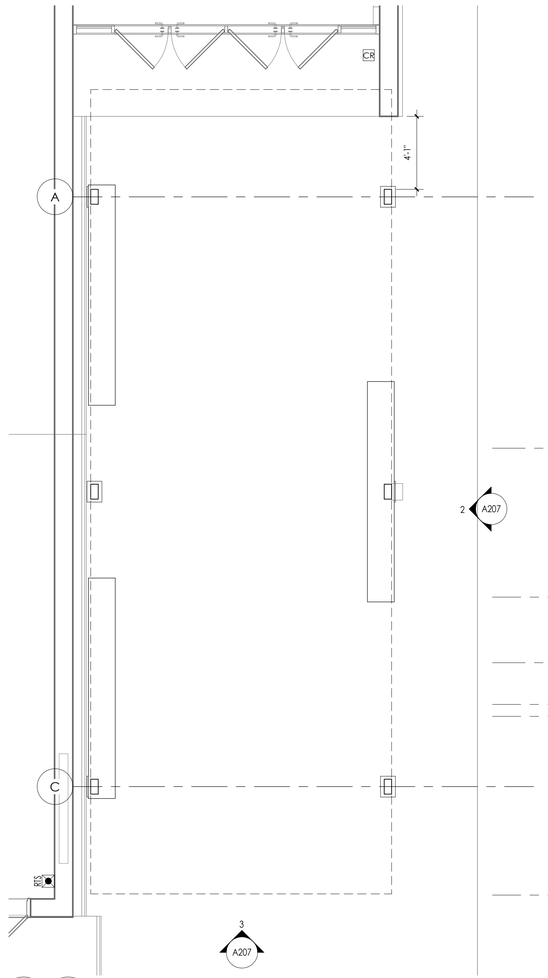
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3 A207 **CANOPY SW ELEVATION**
1/4" = 1'-0"

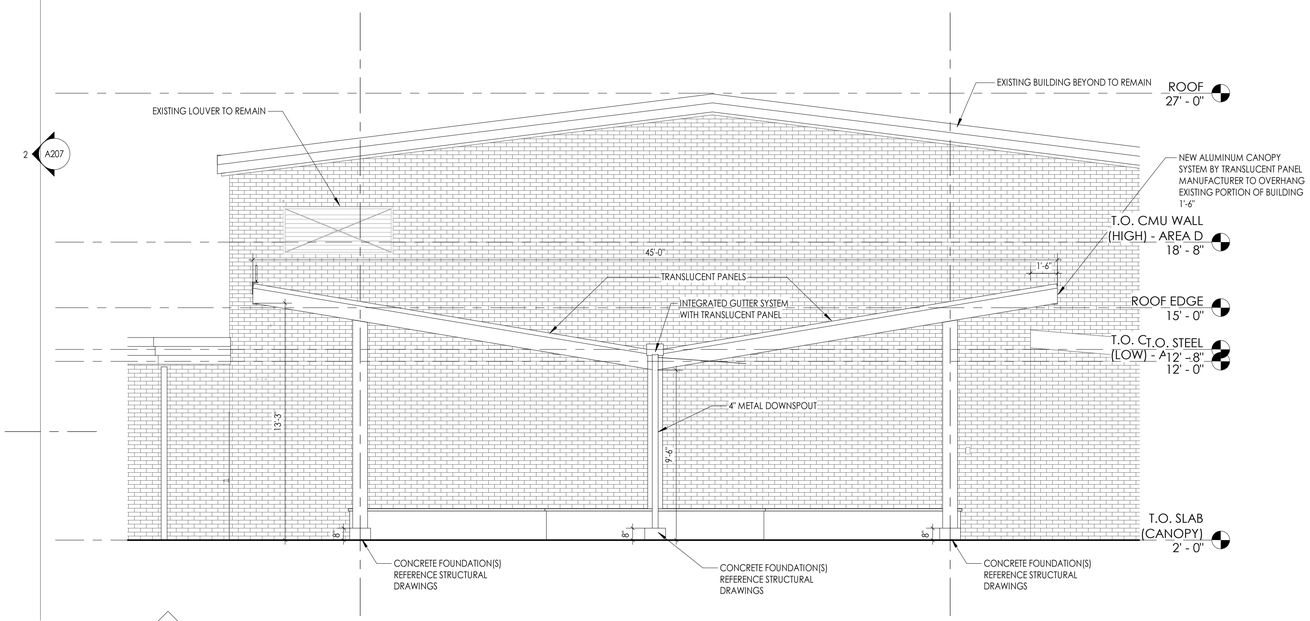


4 A207 **CANOPY LETTERING DETAIL**
1 1/2" = 1'-0"



1 A207 **MAIN ENTRANCE CANOPY - ENLARGED PLAN**
1/4" = 1'-0"

TRUE NORTH



2 A207 **CANOPY SE ELEVATION**
1/4" = 1'-0"

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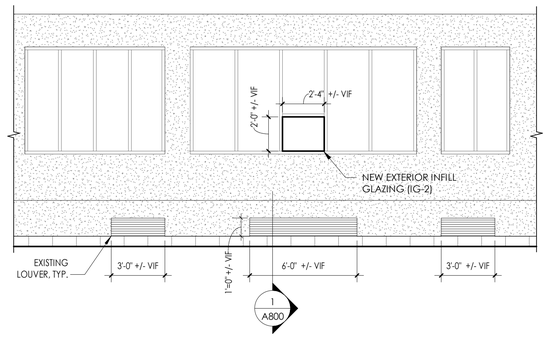
Drawn By
JPN

Checked By
PC

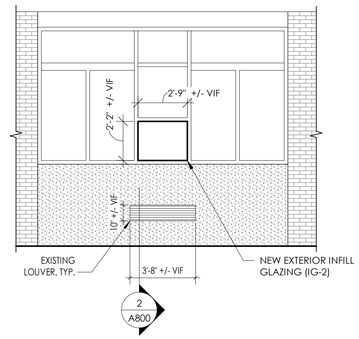
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MAIN ENTRANCE CANOPY ENLARGED PLAN & ELEVATIONS

VG
A207

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5 A300 **TYP. LOUVER INFILL ELEV. 1**
1/4" = 1'-0"



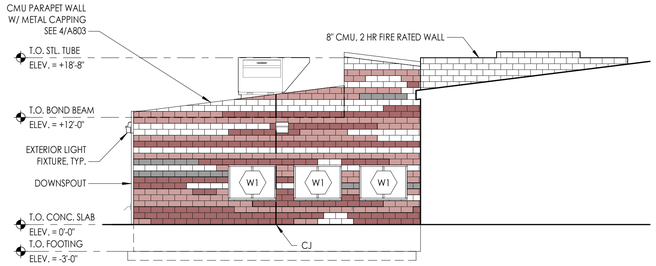
6 A300 **TYP. LOUVER INFILL ELEV. 2**
1/4" = 1'-0"

ELEVATION GENERAL NOTES

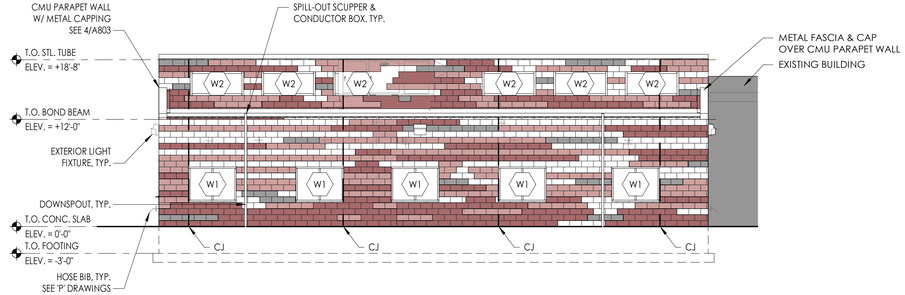
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2. MASONRY OPENING ARE APPROXIMATE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL CONDITIONS.
3. REFER TO A900'S DRAWINGS FOR DOOR, FRAME, AND WINDOW TYPES.
4. PROVIDE ALL LOUVER OPENINGS AS REQUIRED. COORDINTE WITH MECHANICAL CONTRACTOR FOR FINAL SIZE AND LOCATION.
5. ARCHITECTURAL ELEVATION 0'-0" EQUALS CIVIL DATUM OF XXX.XX'
6. CONTROL JOINT = CJ
7. SOFT JOINT = SJ
8. EXPANSION JOINT = EJ
9. BUILDING EXPANSION JOINT = BEJ

ELEVATION LEGEND

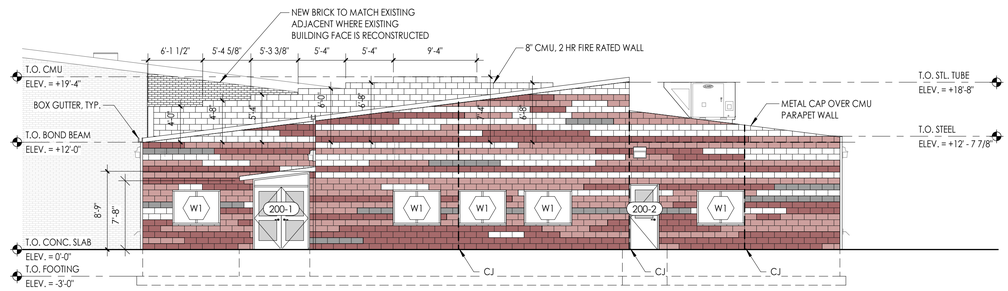
- CMU (RUNNING)
- CMU (STACKED)
- BRICK (RUNNING)
- GROUND FACE CMU - GF-358
- GROUND FACE CMU - GF-349
- GROUND FACE CMU - COLOR 3
- GROUND FACE CMU - COLOR 4



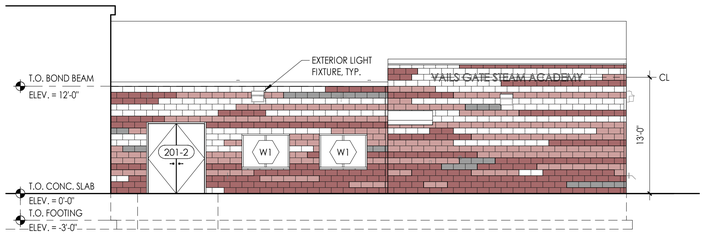
1 A300 **NEW WORK EXTERIOR NORTH ELEVATION**
1/8" = 1'-0"



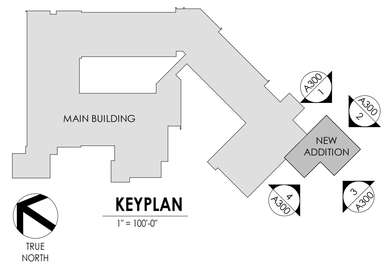
2 A300 **NEW WORK EXTERIOR EAST ELEVATION**
1/8" = 1'-0"



3 A300 **NEW WORK EXTERIOR SOUTH ELEVATION**
1/8" = 1'-0"



4 A300 **NEW WORK EXTERIOR WEST ELEVATION**
1/8" = 1'-0"



KEYPLAN
1" = 100'-0"

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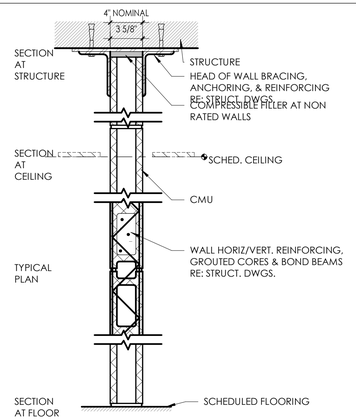
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Checked By: PC

Drawing Title
BUILDING ELEVATIONS

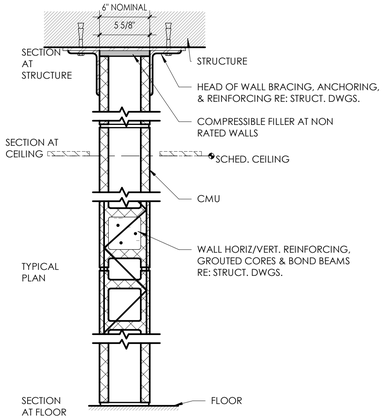
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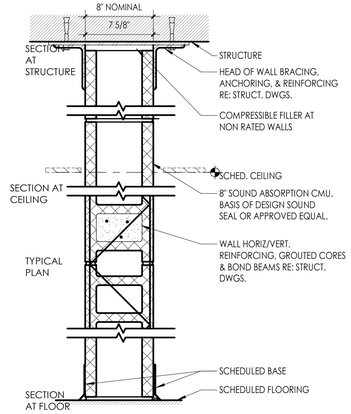
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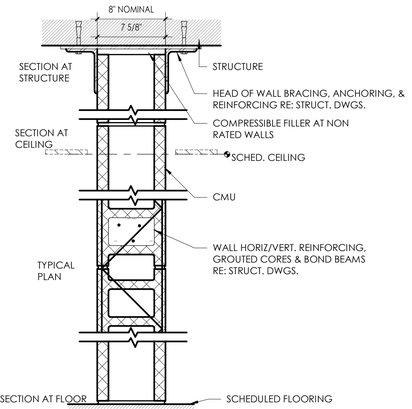
TYPE	STC TEST NUMBER &/OR FIRE TEST LAB DESIGN TEST NUMBER	FIRE RATING	STC	NOTES
M4	UL # ---	--	55	REFER TO STRUCT. DWGS. FOR MASONRY WALL BRACING AND REINFORCING REQUIREMENTS



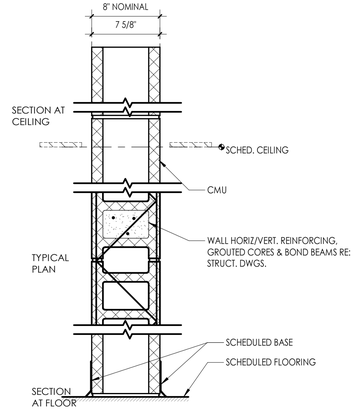
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M6		--	55	REFER TO STRUCT. DWGS. FOR MASONRY WALL BRACING AND REINFORCING REQUIREMENTS
M6r		1 HR	55	REFER TO STRUCT. DWGS. FOR MASONRY WALL BRACING AND REINFORCING REQUIREMENTS



TYPE	STC TEST NUMBER &/OR FIRE TEST LAB DESIGN TEST NUMBER	FIRE RATING	STC	NOTES
M8a	NCMA TEK 13-1B*	NR	48	REFER TO STRUCT. DWGS. FOR MASONRY WALL BRACING AND REINFORCING REQUIREMENTS
M8ar		1 HR		REFER TO STRUCT. DWGS. FOR MASONRY WALL BRACING AND REINFORCING REQUIREMENTS



TYPE	STC TEST NUMBER &/OR FIRE TEST LAB DESIGN TEST NUMBER	FIRE RATING	STC	NOTES
M8	UL # U904	--	55	REFER TO STRUCT. DWGS. FOR MASONRY WALL BRACING AND REINFORCING REQUIREMENTS
M8r	UL # UXX	1 HR	55	REFER TO STRUCT. DWGS. FOR MASONRY WALL BRACING AND REINFORCING REQUIREMENTS



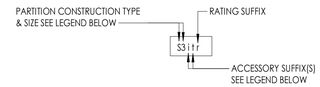
TYPE	STC TEST NUMBER &/OR FIRE TEST LAB DESIGN TEST NUMBER	FIRE RATING	STC	NOTES
M8d	NCMA TEK 13-1B* UL # U905	2 HR	48	REFER TO STRUCT. DWGS. FOR MASONRY WALL BRACING AND REINFORCING REQUIREMENTS

NOTE: STC RATING FOR STANDARD WEIGHT CMU PER THE NATIONAL CONCRETE MASONRY ASSOCIATION TEK BULLETIN 13-1B (2008)

PARTITION GENERAL NOTES

1. ALL WALL TYPES MAY NOT BE USED ON THIS PROJECT.
2. UNLESS NOTED OTHERWISE ALL PARTITIONS ARE FULL HEIGHT, EXTEND & SECURE TO UNDERSIDE OF CONCRETE OR METAL DECK ABOVE.
3. PROVIDE UL APPROVED JOINT AT ALL TOP OF WALL AND WALL TO WALL CONDITIONS AT ALL RATED WALLS.
4. PROVIDE DEFLECTION TRACKS AT METAL STUD PARTITIONS THAT TERMINATE AT THE UNDERSIDE OF STRUCTURE AND DECK.
5. ALL PENETRATIONS IN FIRE RATED PARTITIONS TO BE FIRE STOPPED AND SEALED. REFER TO SPEC DIVISION 7.
6. REFER TO STRUCTURAL DRAWINGS FOR MASONRY WALL REINFORCEMENT.
7. ALL PARTITIONS SHALL BE SEALED TO PREVENT PASSAGE FOR SMOKE.
8. CONTRACTOR TO REFER TO CODE/LIFE SAFETY DRAWINGS FOR RATED PARTITIONS AND UL ASSEMBLIES.
9. REFER TO INTERIOR DRAWINGS FOR LOCATIONS OF WALL TILE, AND OTHER SPECIALTY WALL FINISHES.
10. PARTITION TYPES WITH ONE SIDE OF DOUBLE DRYWALL TO BE PLACED SO THAT THE DOUBLE SIDE IS ON CORRIDOR AND/OR HIGH TRAFFIC SIDE OF WALL.
11. REFER TO SPECIFICATIONS FOR METAL STUD GAUGE REQUIREMENTS.
12. CONTRACTOR IS RESPONSIBLE TO COORDINATE ALL PARTITION ACCESSORIES (APPLIED FINISHES, RESILIENT CHANNEL, ADDITIONAL LAYERS OF SHEATHING, SHIELDING, ETC.) ITEMS SHOWN IN TYPICAL WALL CONSTRUCTION DETAILS MAY HAVE TO BE ARRANGED ON DIFFERENT SIDES OF WALL ASSEMBLY TO ACHIEVE FLUSH CONTINUOUS WALL SURFACES. ANY CONFLICTS SHOULD BE BROUGHT TO THE ATTENTION OF THE ARCHITECT.

PARTITION TYPE TAG LEGEND



PARTITION TYPE SUFFIX

ACCESSORIES SUFFIX:

i - SOUND ATTENUATING BATT INSULATION (FIBERGLASS) FRICTION FIT BETWEEN STUDS TO FILL CAVITY

w - SOUND ATTENUATING FIRE BATT INSULATION (ROCK WOOL) FRICTION FIT BETWEEN STUDS TO FILL CAVITY

t - CERAMIC WALL TILE (1) SIDE W/ THINSET MORTAR BED, 5/8" CEMENT BACKER BOARD IN LIEU OF 5/8" GYP. AT TILE LOCATIONS - SEE INTERIOR ELEVATIONS FOR TILE EXTENTS

tt - CERAMIC WALL TILE (2) SIDES W/ THINSET MORTAR BED, 5/8" CEMENT BACKER BOARD IN LIEU OF 5/8" GYP. AT TILE LOCATIONS - SEE INTERIOR ELEVATIONS FOR TILE EXTENTS

b - INTERIOR VENEER MASONRY/STONE APPLIED FINISH, REFER TO DETAILS FOR CONSTRUCTION, AND INTERIOR ELEVATIONS FOR EXTENTS

g - CMU WALL GROUT CORES SOLID

s - ADD 1/2" RC1 RESILIENT SOUND CHANNEL BEHIND SPECIFIED SHEATHING

k - ADD ADDITIONAL (1) LAYER OF 5/8" GYP BOARD, TO ONE SIDE OF WALL

kk - ADD ADDITIONAL (2) LAYERS OF 5/8" GYP BOARD, (1) EA. SIDE OF WALL

e - ADD ADDITIONAL (1) LAYER OF 5/8" FRT PLYWOOD BOLTED TO WALL FOR MOUNTING OF ELECTRICAL PANELS/ EQUIPMENT WHERE NOTED ON ELEC. DWGS.

v - SUBSTITUE (1) LAYER OF 5/8" SOUNDBLOCK GYP. W/ INTEGRAL VISCOELASTIC POLYMER CORE FOR (1) LAYER OF SPECIFIED 5/8" TYPE X GYP.

vv - SUBSTITUE 5/8" SOUNDBLOCK GYP. W/ INTEGRAL VISCOELASTIC POLYMER CORE FOR ALL LAYER OF SPECIFIED 5/8" TYPE X GYP.

p - LEAD SHIELDING REFER TO PHYSICIST REPORT FOR REQUIREMENTS

x - COPPER MAGNETIC/RF SHIELDING REFER TO PHYSICIST REPORT FOR REQUIREMENTS

c - WALL FINISH TO TERMINATE 6" ABV. HIGHEST ADJACENT CEILING STUDS TO RUN TO UNDERSIDE OF DECK ABOVE.

y - WALL STRUCTURE TERMINATES 12" ABV. HIGHEST ADJACENT CEILING, PROVIDE STRUCTURAL BRACING AT TOP OF WALL AS REQUIRED.

n - KNEE WALL, REFER TO INTERIOR ELEVATIONS FOR HEIGHT & SILL CONDITION, REFER TO STRUCTURAL DETAILS FOR REQUIRED SUPPLEMENTAL STEEL AND ANCHORING REQUIREMENTS

RATING SUFFIX:

r - 1 HR RATED ASSEMBLY REFER TO UL DETAILS FOR RATED CONSTRUCTION REQUIREMENTS

d - 2 HR RATED ASSEMBLY REFER TO UL DETAILS FOR RATED CONSTRUCTION REQUIREMENTS

rd - 3 HR RATED ASSEMBLY REFER TO UL DETAILS FOR RATED CONSTRUCTION REQUIREMENTS

dd - 4 HR RATED ASSEMBLY REFER TO UL DETAILS FOR RATED CONSTRUCTION REQUIREMENTS

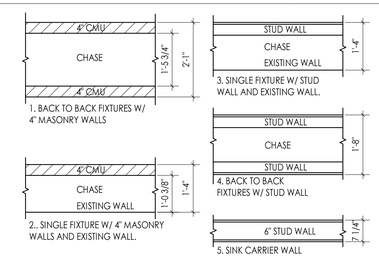
PARTITION CONSTRUCTION TYPE & SIZE LEGEND

S# STEEL STUDS - FINISH BOTH SIDES
- 1 = 1 5/8" C STUD
- 2 = 2 1/2" C STUD
- 3 = 3 5/8" C STUD
- 4 = 4" C STUD
- 6 = 6" C STUD
- 8 = 8" C STUD

F# STEEL STUD FURRING - FINISH ONE SIDE
- 1 = 1 5/8" C STUD
- 2 = 2 1/2" C STUD
- 3 = 3 5/8" C STUD
- 4 = 4" C STUD
- 6 = 6" C STUD
- 8 = 8" C STUD

M# CONCRETE MASONRY UNIT
- 4 = 4" NOMINAL CMU
- 6 = 6" NOMINAL CMU
- 8 = 8" NOMINAL CMU
- 10 = 10" NOMINAL CMU
- 12 = 12" NOMINAL CMU

MIN. PLUMBING CHASE DIMENSIONAL REQUIREMENTS



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9/27/21
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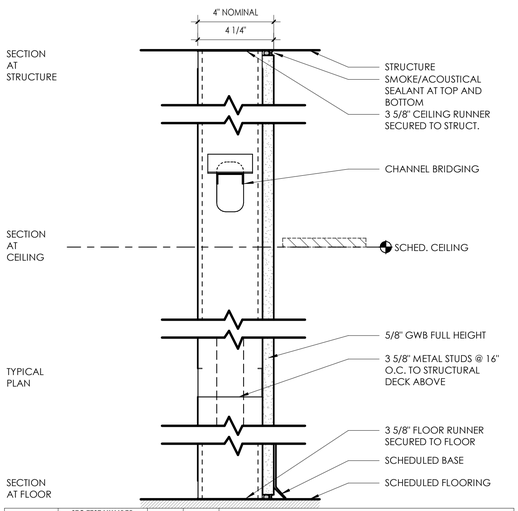
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Drawing Title
WALL TYPES

VG
A400

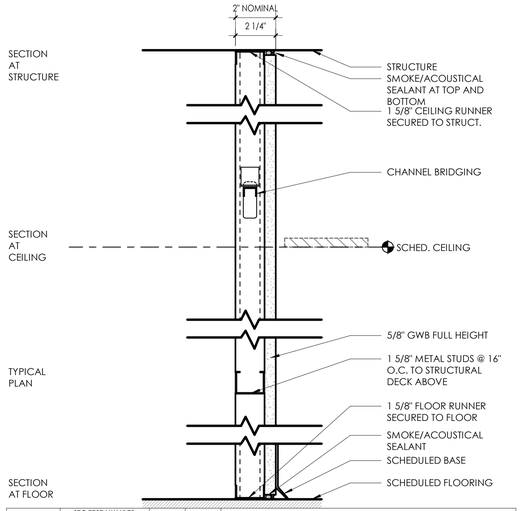
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***NOTE: PLEASE REFERENCE SHEET A400 FOOR GENERAL WALL TYPE INFORAMTION**



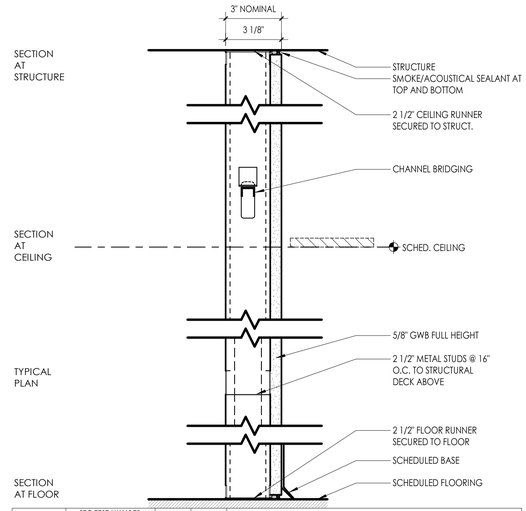
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F3		NR	NA	

NOTE: FURRING EXCEEDING 8FT IN HEIGHT SHALL BE BRACED AT 8FT O.C. BACK TO STRUCTURE. PROVIDE ATTACHMENT CLIPS AT FIRE PROOFING.



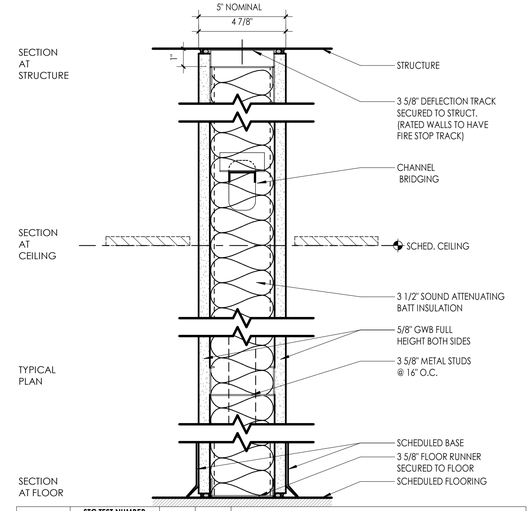
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F1		NR	NA	

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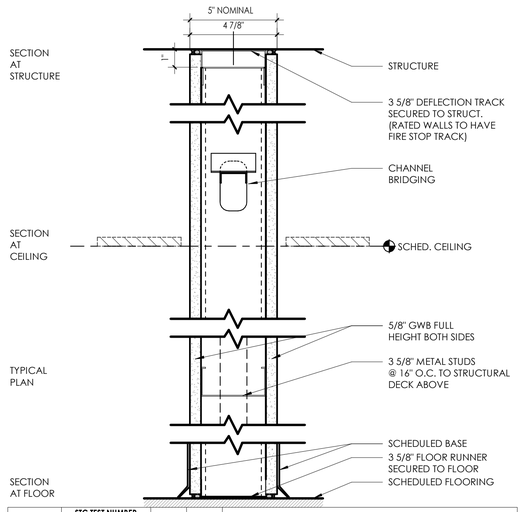


TYPE	STC TEST NUMBER &/OR FIRE TEST LAB DESIGN TEST NUMBER	FIRE RATING	STC	NOTES
F2		NR	NA	

NOTE: FURRING EXCEEDING 8FT IN HEIGHT SHALL BE BRACED AT 8FT O.C. BACK TO STRUCTURE. PROVIDE ATTACHMENT CLIPS AT FIRE PROOFING.

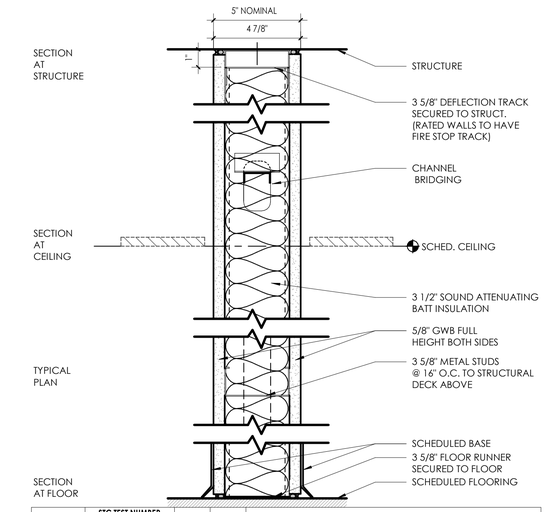


TYPE	STC TEST NUMBER &/OR FIRE TEST LAB DESIGN TEST NUMBER	FIRE RATING	STC	NOTES
S3ir	NGC 2013004 UL # UL - U465	1HR	46	FIRE/ACOUSTICAL SEALANT AT TOP AND BOTTOM

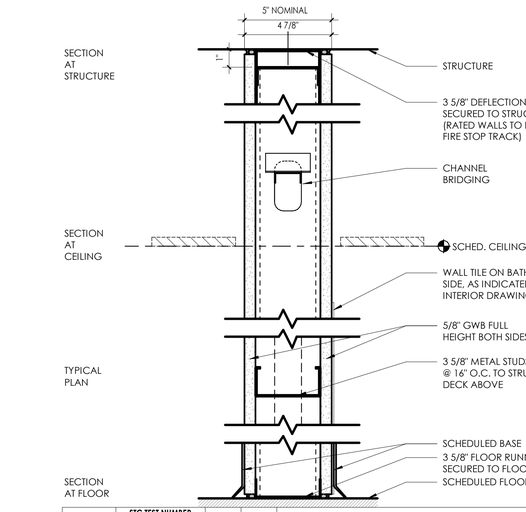


TYPE	STC TEST NUMBER &/OR FIRE TEST LAB DESIGN TEST NUMBER	FIRE RATING	STC	NOTES
S3	NGC 2518	NR	37	SMOKE/ACOUSTICAL SEALANT AT TOP AND BOTTOM

NOTE: BASED ON NGC 2518 @ 40 STC, REDUCED 3 STC FOR 20 GA STUDS IN LEIU OF 25 GA STUDS.



TYPE	STC TEST NUMBER &/OR FIRE TEST LAB DESIGN TEST NUMBER	FIRE RATING	STC	NOTES
S3i	NGC 2013004	NR	40	SMOKE/ACOUSTICAL SEALANT AT TOP AND BOTTOM



TYPE	STC TEST NUMBER &/OR FIRE TEST LAB DESIGN TEST NUMBER	FIRE RATING	STC	NOTES
S3i	NGC 2518	NR	37	SMOKE/ACOUSTICAL SEALANT AT TOP AND BOTTOM

NOTE: BASED ON NGC 2518 @ 40 STC, REDUCED 3 STC FOR 20 GA STUDS IN LEIU OF 25 GA STUDS.

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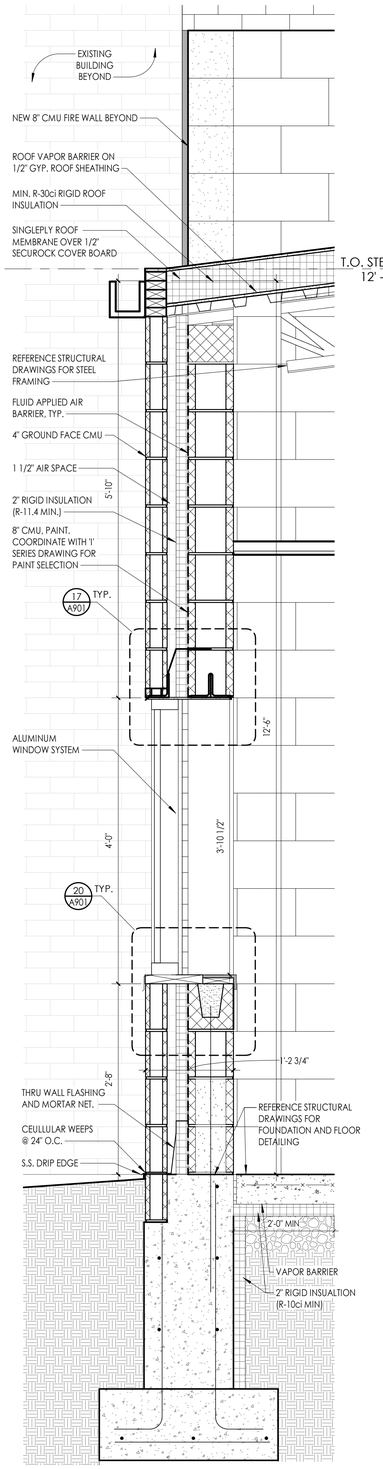
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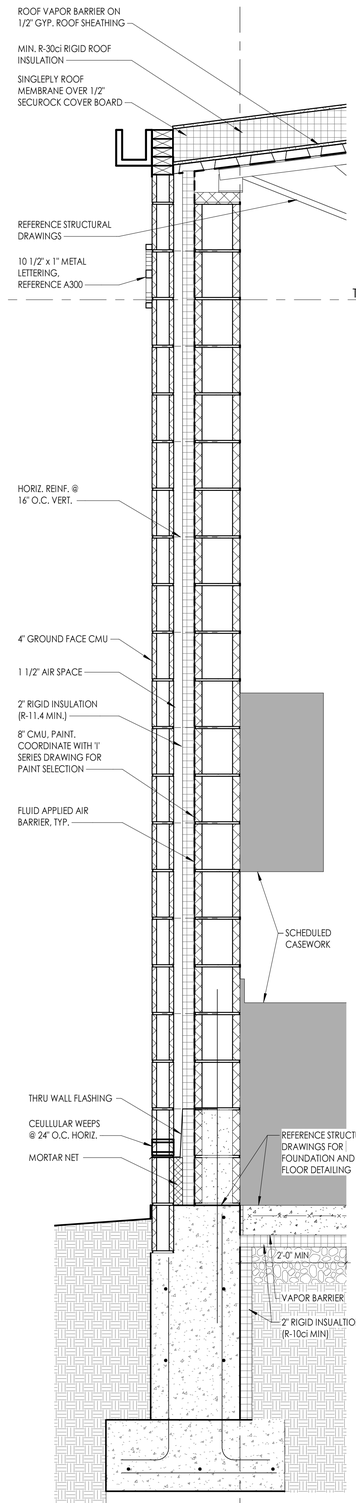
Drawing Title
WALL TYPES

VG
A401

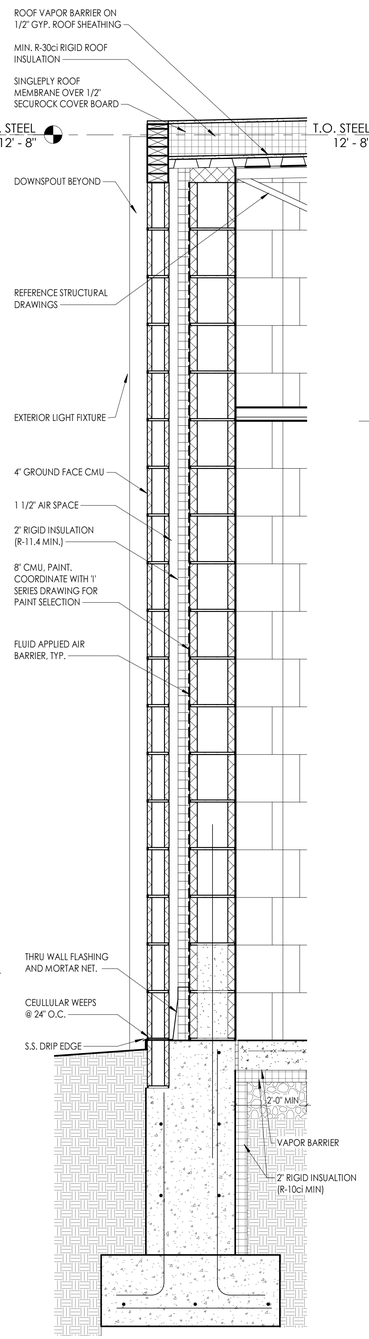
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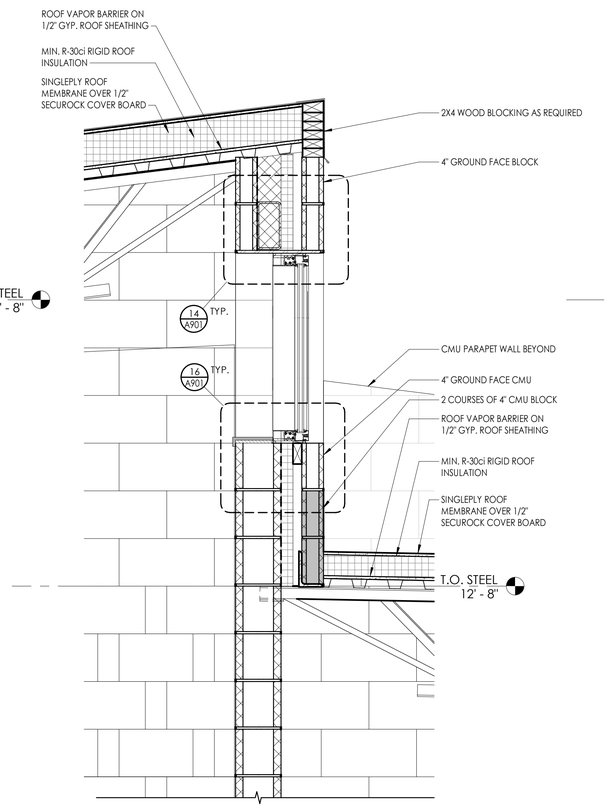
1 A402 **WALL SECTION** 1" = 1'-0"



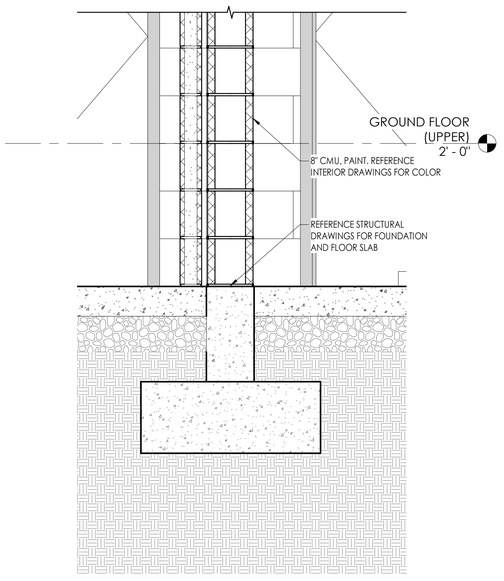
2 A402 **WALL SECTION** 1" = 1'-0"



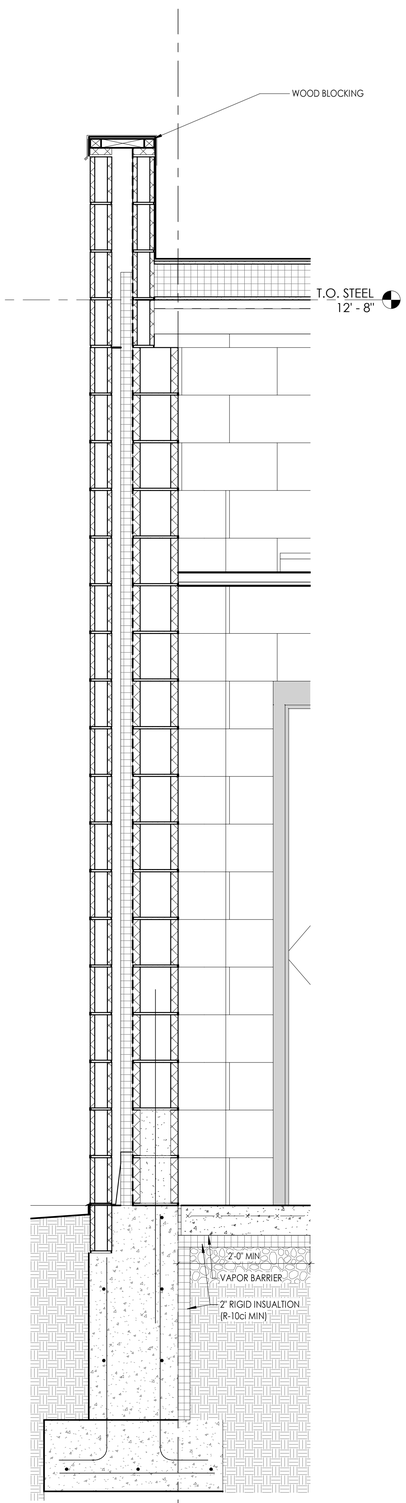
4 A402 **WALL SECTION** 1" = 1'-0"



6 A402 **WALL SECTION** 1" = 1'-0"



5 A402 **WALL SECTION** 1" = 1'-0"



3 A402 **WALL SECTION** 1" = 1'-0"

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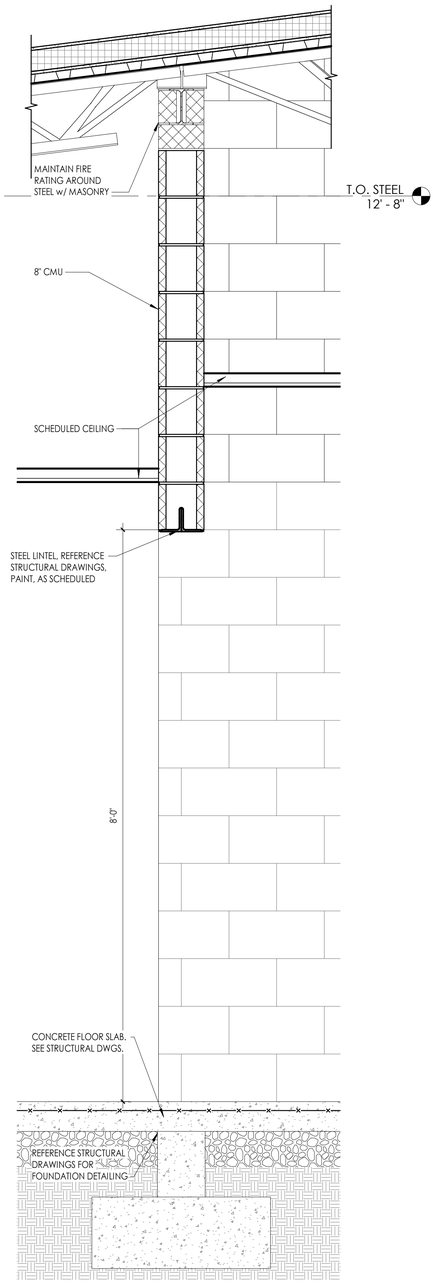
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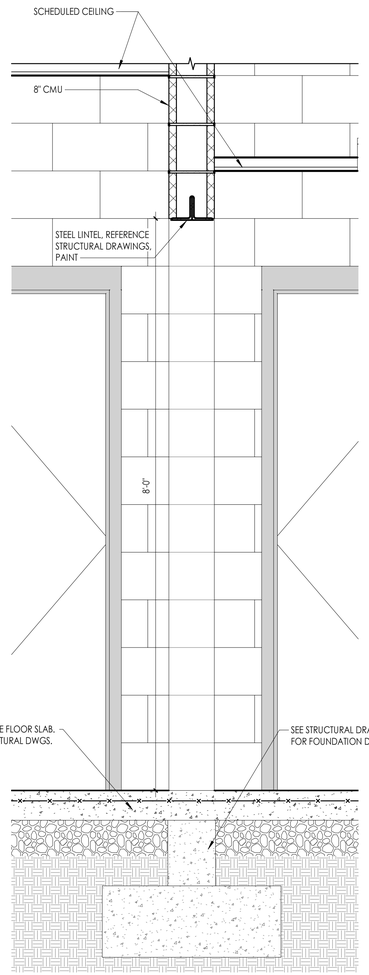
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WALL SECTIONS

VG
A402

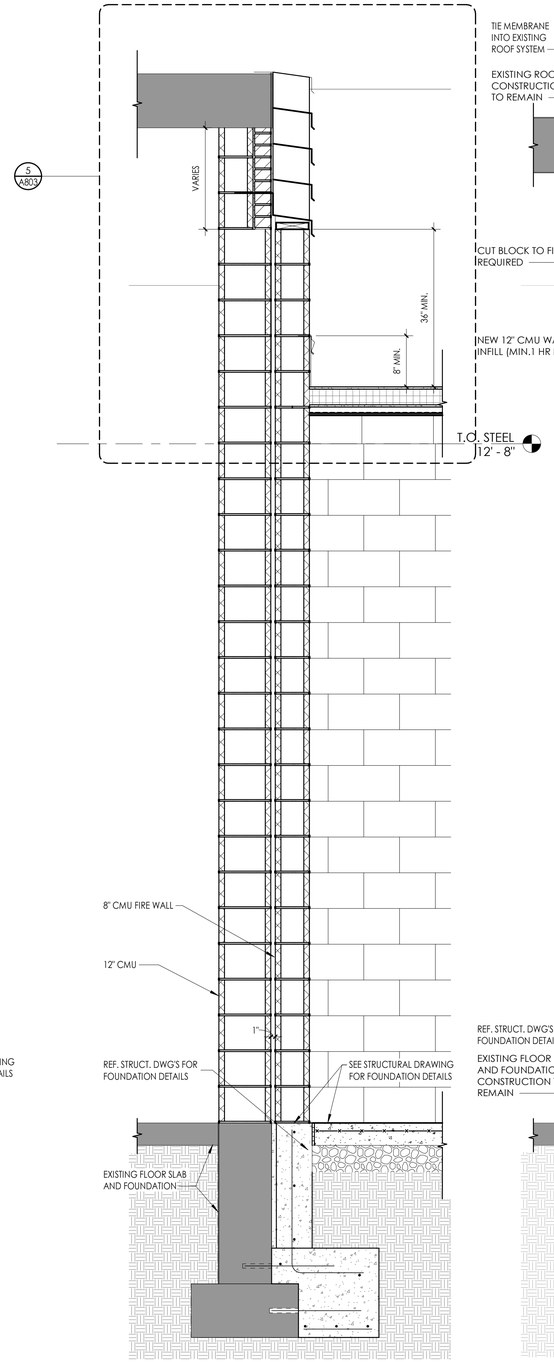
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1 A403 **WALL SECTION**
1" = 1'-0"

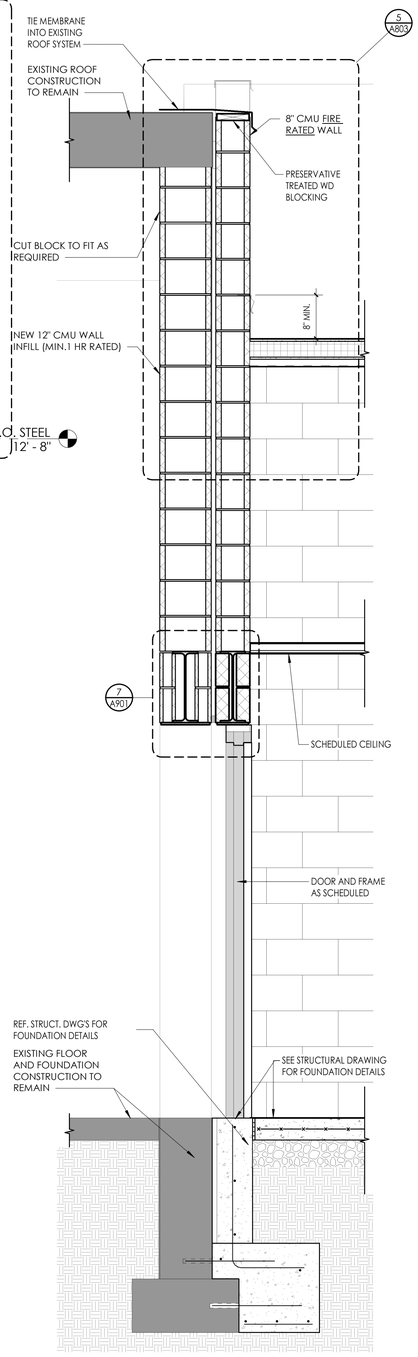


2 A403 **WALL SECTION**
1" = 1'-0"



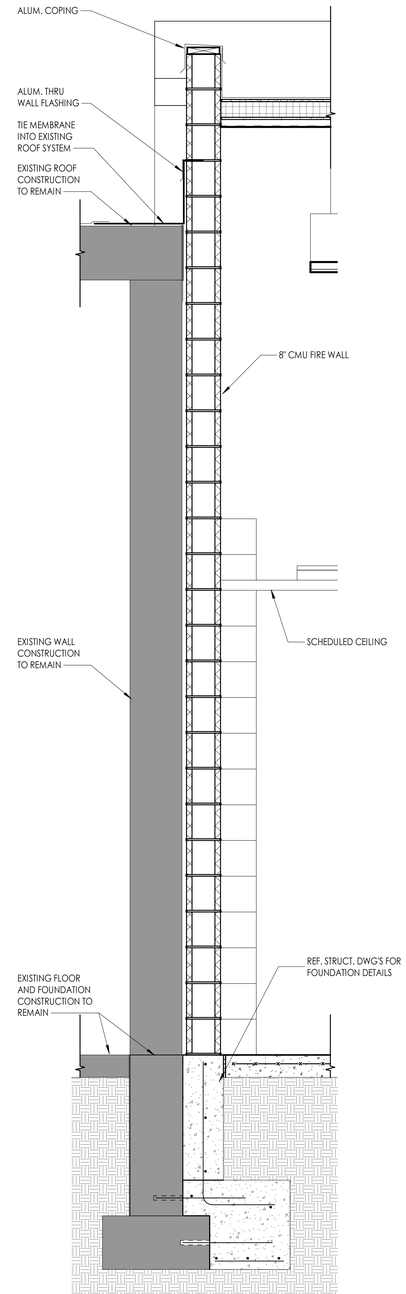
3 A403 **WALL SECTION**
3/4" = 1'-0"

NOTE: FIRE WALL TO BE STRUCTURALLY INDEPENDENT OF THE ADJACENT BUILDING AND SURVIVE COLLAPSE OF ADJECT STRUCTURE.



4 A403 **WALL SECTION**
3/4" = 1'-0"

NOTE: FIRE WALL TO BE STRUCTURALLY INDEPENDENT OF THE ADJACENT BUILDING AND SURVIVE COLLAPSE OF ADJECT STRUCTURE.



5 A403 **WALL SECTION**
3/4" = 1'-0"

NOTE: FIRE WALL TO BE STRUCTURALLY INDEPENDENT OF THE ADJACENT BUILDING AND SURVIVE COLLAPSE OF ADJECT STRUCTURE.

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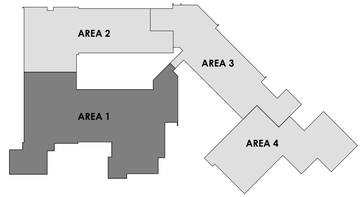
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Drawing Title
WALL SECTIONS

VG
A403

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NOTE: REFER TO CEILING NOTES & LEGEND ON A601



TRUE NORTH

KEYPLAN - AREA 1 - NEW

1" = 100'-0"



1 A600.1 TRUE NORTH

REFLECTED CEILING PLAN - AREA 1

1/8" = 1'-0"

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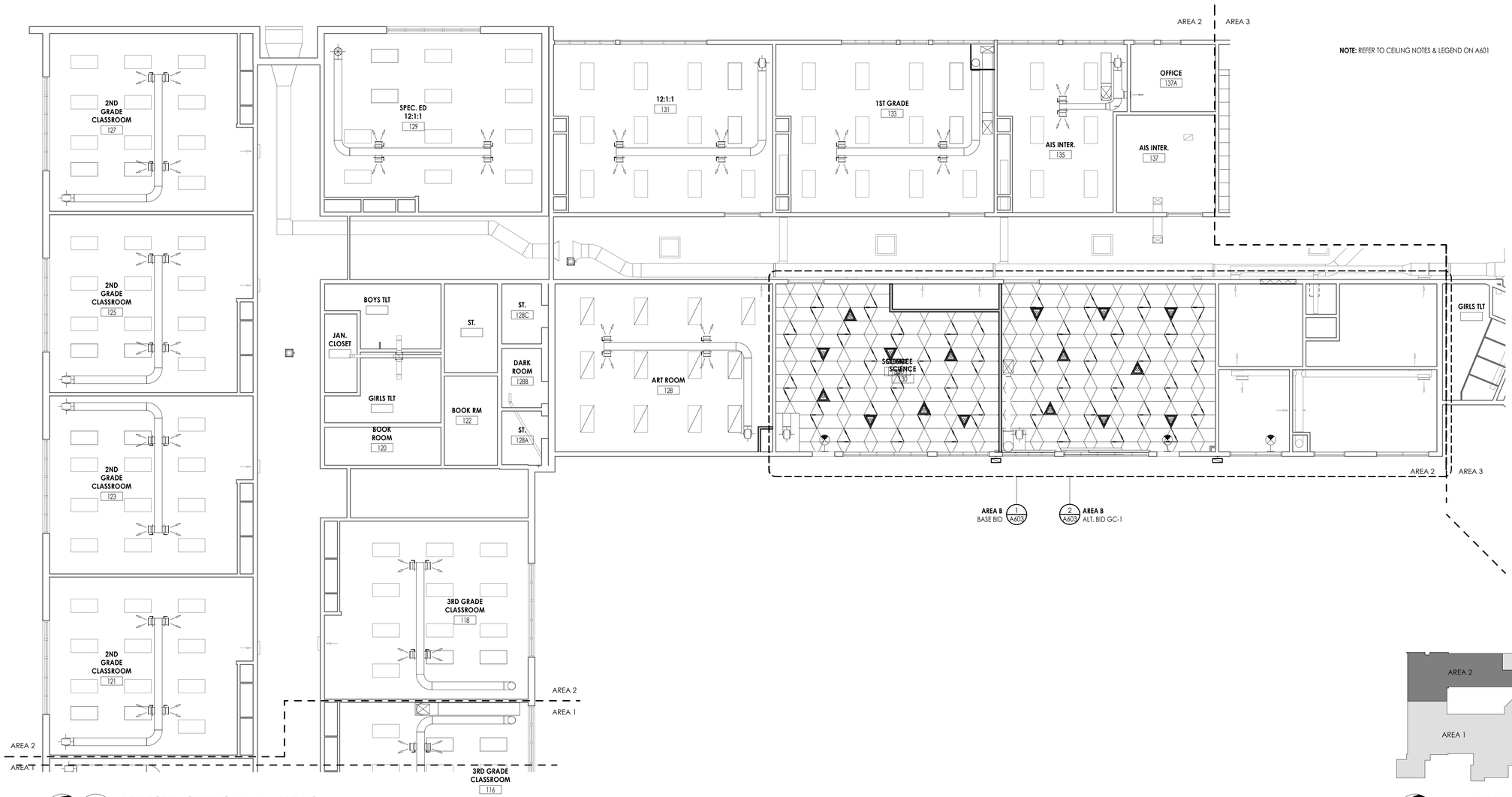
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Drawn By: Author
Checked By: Checker

Drawing Title
RCP - AREA 1

VG
A600.1

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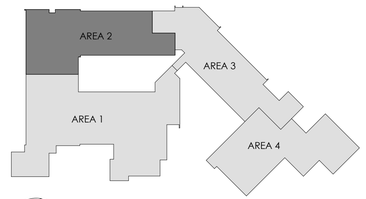


NOTE: REFER TO CEILING NOTES & LEGEND ON A601

1 A600.2 **REFLECTED CEILING PLAN - AREA 2**

1/8" = 1'-0"

TRUE NORTH



KEYPLAN - AREA 2 - NEW

1" = 100'-0"

TRUE NORTH

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50 FRONT ST, SUITE 102
NEWBURGH, NY 12550
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PROJECT INFORMATION

Project Number
13940.20

Client Name
NEWBURGH ENLARGED CITY SCHOOL DISTRICT

Project Name
PHASE 5: 2019 CAPITAL IMPROVEMENTS PROJECT

SED # 44-16-00-01-0-018-009

Project Address
400 Old Forge Hill Rd, New Windsor, NY 12553

REVISION SCHEDULE

#	Date	Description

SHEET INFORMATION

Issued
9/27/21
BID DOCUMENTS

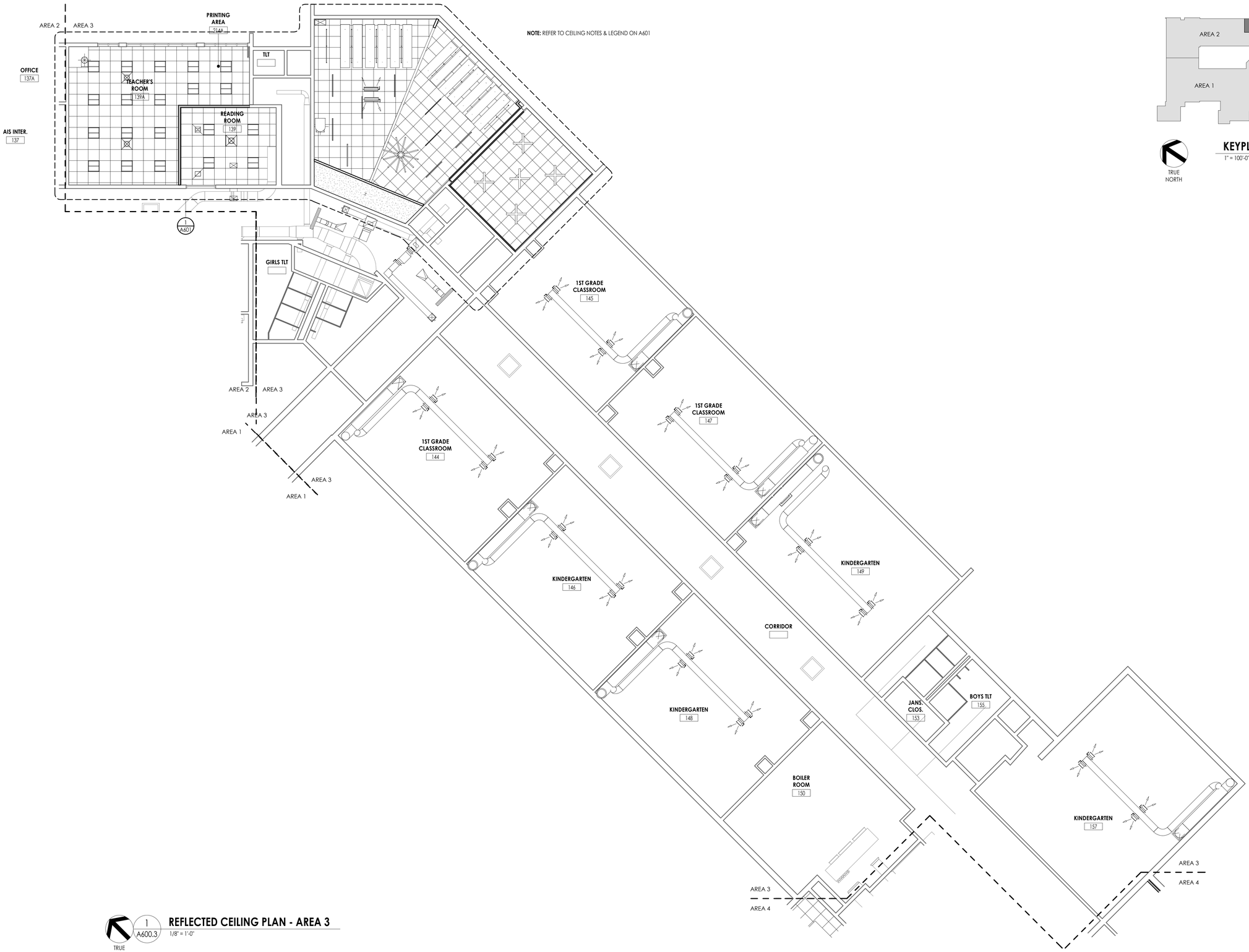
Drawn By
Author

Checked By
Checker

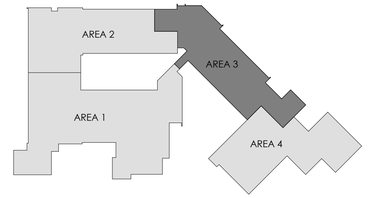
Drawing Title
RCP - AREA 2

VG
A600.2

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NOTE: REFER TO CEILING NOTES & LEGEND ON A601



TRUE NORTH

KEYPLAN - AREA 3 - NEW

1" = 100'-0"

TRUE NORTH

1 / A600.3

REFLECTED CEILING PLAN - AREA 3

1/8" = 1'-0"

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NEWBURGH, NY 12550

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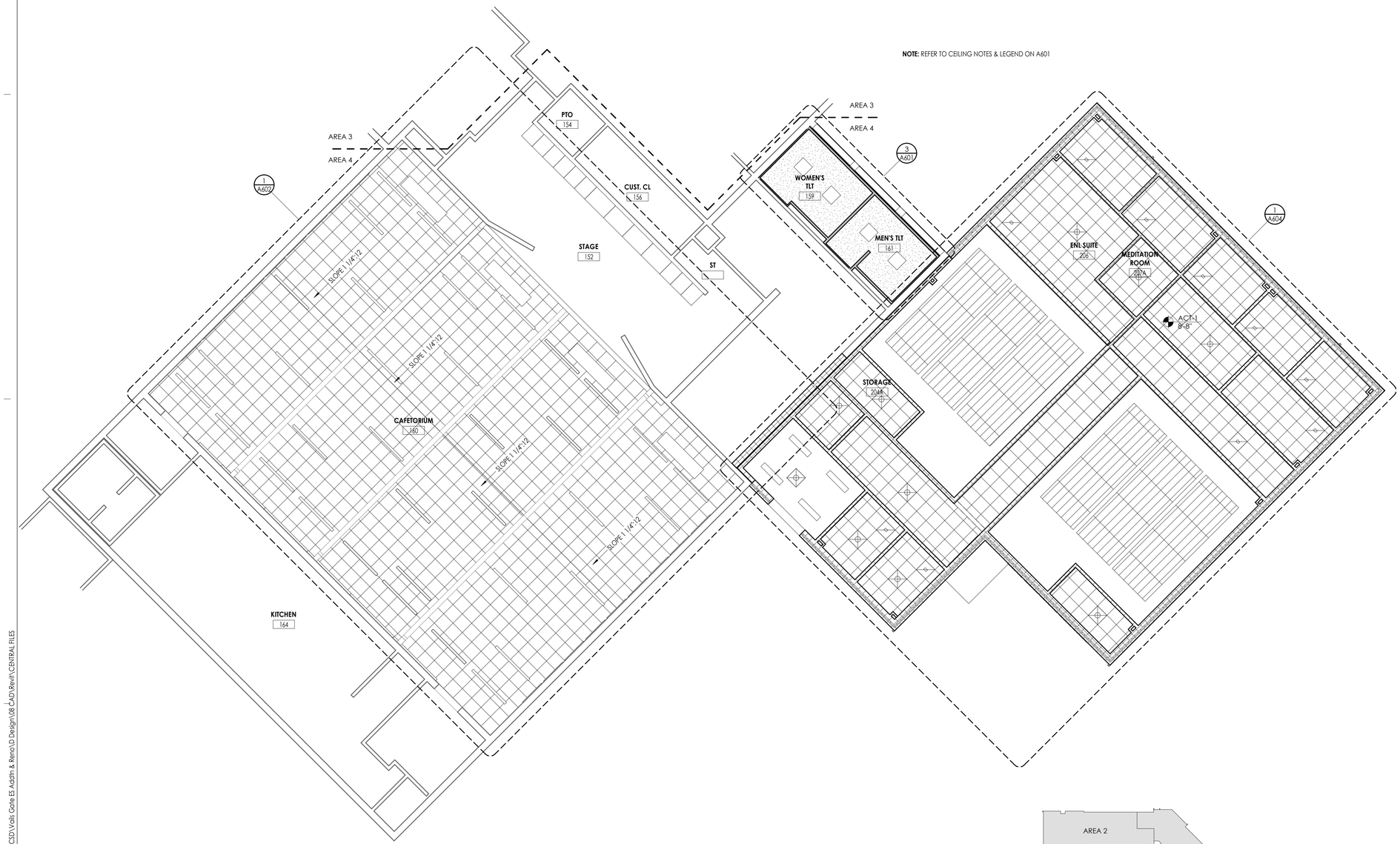
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Checked By: Checker

Drawing Title
RCP - AREA 3

VG
A600.3

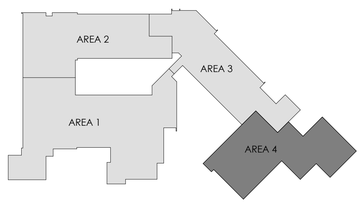
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NOTE: REFER TO CEILING NOTES & LEGEND ON A601



1 / A600.4 — **REFLECTED CEILING PLAN - AREA 4**
1/8" = 1'-0"

TRUE NORTH



KEYPLAN - AREA 4 - NEW
1" = 100'-0"

TRUE NORTH

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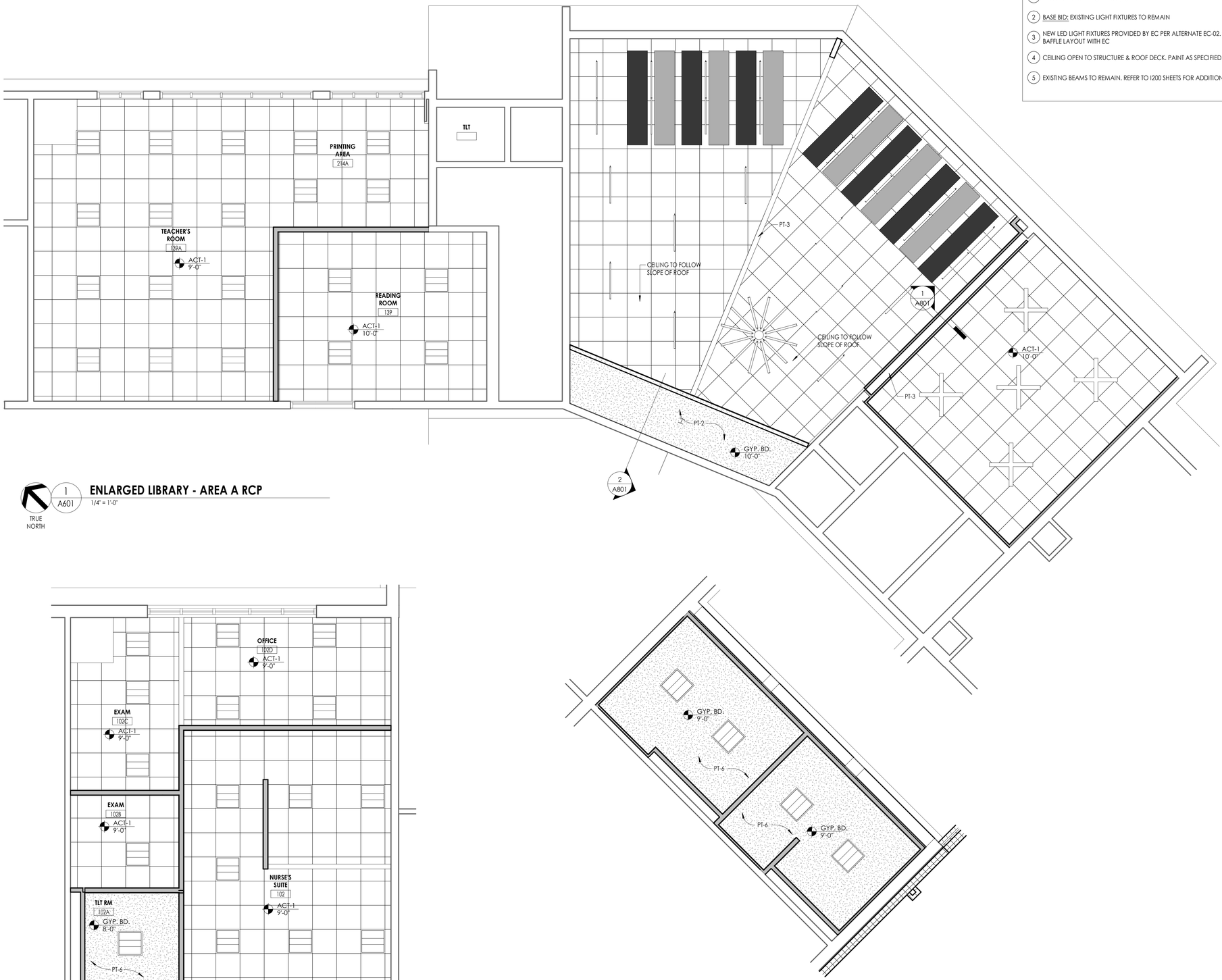
Issued
9/27/21
BID DOCUMENTS

Drawn By: JPN
Checked By: LT/PC

Drawing Title
RCP - AREA 4

VG
A600.4

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1 A601 TRUE NORTH

ENLARGED LIBRARY - AREA A RCP

1/4" = 1'-0"

2 A601 TRUE NORTH

ENLARGED NURSE'S SUITE - AREA C RCP ALTERNATE BID GC-1

1/4" = 1'-0"

3 A601 TRUE NORTH

ENLARGED NEW TOILET ROOMS - AREA G RCP BASE BID

1/4" = 1'-0"

CEILING KEYNOTES

1. PROVIDE NEW 2x2 CEILING SYSTEM.
2. BASE BID: EXISTING LIGHT FIXTURES TO REMAIN
3. NEW LED LIGHT FIXTURES PROVIDED BY EC PER ALTERNATE EC-02. COORDINATE BAFFLE LAYOUT WITH EC
4. CEILING OPEN TO STRUCTURE & ROOF DECK. PAINT AS SPECIFIED.
5. EXISTING BEAMS TO REMAIN. REFER TO 1200 SHEETS FOR ADDITIONAL DETAIL.

GENERAL CEILING NOTES

1. ALL DRAWINGS ARE GRAPHIC REPRESENTATION OF APPROXIMATE LOCATIONS OF NEW MATERIALS FOR CONSTRUCTION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY ALL CONDITIONS PRIOR TO COMMENCEMENT OF WORK.
2. REFER TO A200 SERIES FOR FLOOR PLAN.
3. FOR ANY DISCREPENCY BETWEEN THE REFLECTED CEILING PLAN AND THE FLOOR PLAN; THE FLOOR PLAN SHALL TAKE PRECEDENCE. ANY DISCREPENCIES SHALL BE CALLED TO THE ATTENTION OF THE ARCHITECT.
4. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIRE STOP MECHANICAL, ELECTRICAL AND PLUMBING ITEMS, INCLUDING BUT NOT LIMITED TO DUCTWORK AND CONDUIT PENETRATIONS THROUGH FLOORS AND WALLS.
5. THE CONTRACTOR SHALL COORDINATE CEILING INSTALLATIONS WITH MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS.
6. REFER TO "H" SERIES DRAWINGS FOR DIFFUSERS AND GRILLE LOCATIONS.
7. REFER TO "E" SERIES DRAWINGS FOR LIGHTING TYPES AND CONTROLS.
8. REFER TO "P" SERIES DRAWINGS FOR SPRINKLER HEAD LOCATIONS.
9. WORK AREAS SHALL BE MAINTAINED AND ALL WORK AREAS SHALL BE LEFT BROOMED CLEAN AT THE END OF EACH DAY.
10. CENTER CEILING GRID (EACH WAY) IN ROOMS SCHEDULED TO RECEIVE ACOUSTICAL CEILING SYSTEMS UNLESS OTHERWISE NOTED.
11. CONTRACTOR TO VERIFY WITH ARCHITECT THE INSTALLATION OF ANY CEILING TILES LESS THAN 4" IN WIDTH.
12. PROVIDE MOISTURE RESISTANT GYP. BD. AT ALL TOILET ROOM, JANITOR'S CLOSET AND OTHER WET LOCATION CEILING ASSEMBLIES.
13. ALL GYP. BD. CEILINGS AND SOFFITS SHALL BE PRIMED AND PAINTED PT-6 ON ALL FACES AND UNDERSIDE SURFACE UNLESS OTHERWISE NOTED (U.N.O.).
14. CONTRACTOR TO VERIFY SOFFIT SIZE WITH MILLWORK SHOP DRAWINGS. PROVIDE 2" OVERHANG ON EXPOSED EDGES UNLESS NOTED OTHERWISE.
15. WHERE APPLICABLE ALL FIXTURES AND DEVICES SHALL BE CENTERED ON A CEILING TILE.

CEILING SYMBOL LEGEND

NOTE: THIS LEGEND MAY CONTAIN SYMBOLS THAT ARE NOT USED IN THIS PROJECT.

- GYP. BD. - GYPSUM CEILING
- ACT-1 - 2X2 ACOUSTICAL CEILING SYSTEM
- ACT-2 - ACOUSTICAL CEILING SYSTEM
- ACT-3 - ACOUSTICAL CEILING SYSTEM
- ACT-4 - ACOUSTICAL CEILING SYSTEM
- ACT-5 - ACOUSTICAL CEILING SYSTEM
- ACT-6 - ACOUSTICAL CEILING SYSTEM
- ACT-7 - ACOUSTICAL CEILING SYSTEM
- ACT-8 - 1X5 ACOUSTICAL CEILING SYSTEM
- 2'X2' LED LIGHT FIXTURE BY EC
- 2'X4' LED LIGHT FIXTURE BY EC
- LINEAR LED PENDANT LIGHT FIXTURE BY EC
- LED CROSS PENDANT LIGHT FIXTURE BY EC
- RECESSED CAN LIGHT FIXTURES BY EC
- LARGE PENDANT LIGHT FIXTURE BY EC
- ACS-1; ALTERNATE BID GC-02
- ACS-2; ALTERNATE BID GC-02
- ACS-3; ALTERNATE BID GC-02
- ACS-4; ALTERNATE BID GC-02
- ACS-5; ALTERNATE BID GC-02
- ACS-6; ALTERNATE BID GC-02
- ACS-7; MOUNTED 10'-0" AFF
- ACS-8; MOUNTED 10'-0" AFF
- ACT-1 9'-0" — CEILING TYPE AND CEILING HEIGHT ABOVE FINISHED FLOOR
- CUBICLE CURTAIN TRACK SEE DETAIL 21/A805
- SUPPLY AIR DIFFUSERS
- RETURN AIR DIFFUSERS
- EXHUAST DIFFUSERS
- LINEAR SLOT AIR DIFFUSERS

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Project Name
PHASE 5: 2019 CAPITAL IMPROVEMENTS PROJECT

SED # 44-16-00-01-0-018-009

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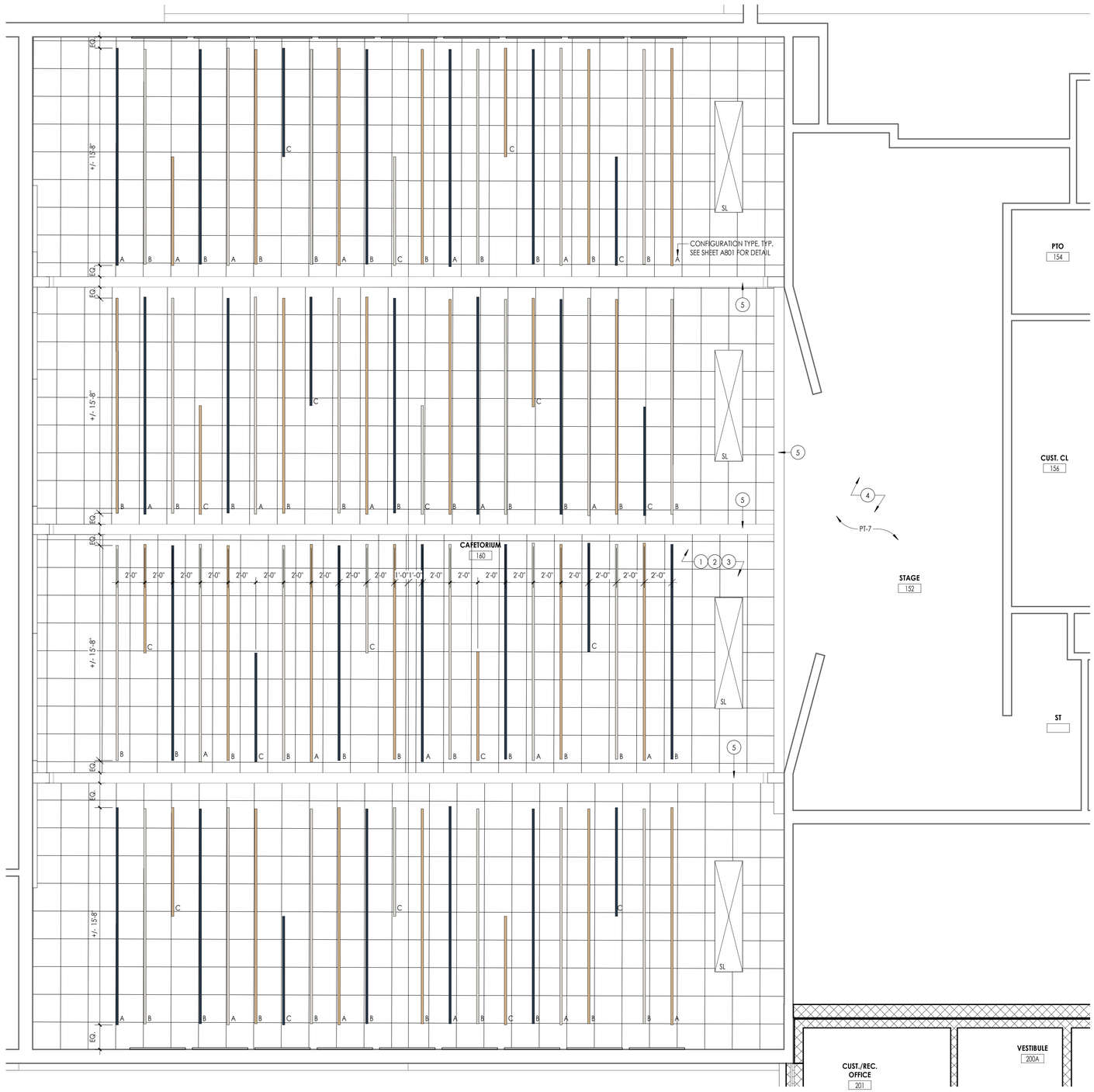
Issued
9/27/21
BID DOCUMENTS

Drawn By: Author
Checked By: Checker

Drawing Title
ENLARGED CEILING PLANS

VG
A601

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1 A602 **ENLARGED CAFETERIA - AREA F RCP ALTERNATE BID GC-02**

1/4" = 1'-0"

CEILING KEYNOTES

1. PROVIDE NEW 2x2 CEILING SYSTEM.
2. BASE BID: EXISTING LIGHT FIXTURES TO REMAIN
3. NEW LED LIGHT FIXTURES PROVIDED BY EC PER ALTERNATE EC-02. COORDINATE BAFFLE LAYOUT WITH EC
4. CEILING OPEN TO STRUCTURE & ROOF DECK. PAINT AS SPECIFIED.
5. EXISTING BEAMS TO REMAIN. REFER TO I200 SHEETS FOR ADDITIONAL DETAIL.

GENERAL CEILING NOTES

1. ALL DRAWINGS ARE GRAPHIC REPRESENTATION OF APPROXIMATE LOCATIONS OF NEW MATERIALS FOR CONSTRUCTION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY ALL CONDITIONS PRIOR TO COMMENCEMENT OF WORK.
2. REFER TO A200 SERIES FOR FLOOR PLAN.
3. FOR ANY DISCREPENCY BETWEEN THE REFLECTED CEILING PLAN AND THE FLOOR PLAN; THE FLOOR PLAN SHALL TAKE PRECEDENCE. ANY DISCREPENCIES SHALL BE CALLED TO THE ATTENTION OF THE ARCHITECT.
4. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIRE STOP MECHANICAL, ELECTRICAL AND PLUMBING ITEMS, INCLUDING BUT NOT LIMITED TO DUCTWORK AND CONDUIT PENETRATIONS THROUGH FLOORS AND WALLS.
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7. REFER TO "E" SERIES DRAWINGS FOR LIGHTING TYPES AND CONTROLS.
8. REFER TO "P" SERIES DRAWINGS FOR SPRINKLER HEAD LOCATIONS.
9. WORK AREAS SHALL BE MAINTAINED AND ALL WORK AREAS SHALL BE LEFT BROOMED CLEAN AT THE END OF EACH DAY.
10. CENTER CEILING GRID (EACH WAY) IN ROOMS SCHEDULED TO RECEIVE ACOUSTICAL CEILING SYSTEMS UNLESS OTHERWISE NOTED.
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12. PROVIDE MOISTURE RESISTANT GYP. BD. AT ALL TOILET ROOM, JANITOR'S CLOSET AND OTHER WET LOCATION CEILING ASSEMBLIES.
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15. WHERE APPLICABLE ALL FIXTURES AND DEVICES SHALL BE CENTERED ON A CEILING TILE.

CEILING SYMBOL LEGEND

NOTE: THIS LEGEND MAY CONTAIN SYMBOLS THAT ARE NOT USED IN THIS PROJECT.

- GYP. BD. - GYPSUM CEILING
- ACT-1 - 2X2 ACOUSTICAL CEILING SYSTEM
- ACT-2 - ACOUSTICAL CEILING SYSTEM
- ACT-3 - ACOUSTICAL CEILING SYSTEM
- ACT-4 - ACOUSTICAL CEILING SYSTEM
- ACT-5 - ACOUSTICAL CEILING SYSTEM
- ACT-6 - ACOUSTICAL CEILING SYSTEM
- ACT-7 - ACOUSTICAL CEILING SYSTEM
- ACT-8 - 1X5 ACOUSTICAL CEILING SYSTEM
- 2'X2' LED LIGHT FIXTURE BY EC
- 2'X4' LED LIGHT FIXTURE BY EC
- LINEAR LED PENDANT LIGHT FIXTURE BY EC
- LED CROSS PENDANT LIGHT FIXTURE BY EC
- RECESSED CAN LIGHT FIXTURES BY EC
- LARGE PENDANT LIGHT FIXTURE BY EC
- ACS-1; ALTERNATE BID GC-02
- ACS-2; ALTERNATE BID GC-02
- ACS-3; ALTERNATE BID GC-02
- ACS-4; ALTERNATE BID GC-02
- ACS-5; ALTERNATE BID GC-02
- ACS-6; ALTERNATE BID GC-02
- ACS-7; MOUNTED 10'-0" AFF
- ACS-8; MOUNTED 10'-0" AFF
- ACT-1 / 9'-0" — CEILING TYPE AND CEILING HEIGHT ABOVE FINISHED FLOOR
- CUBICLE CURTAIN TRACK SEE DETAIL 21/A805
- SUPPLY AIR DIFFUSERS
- RETURN AIR DIFFUSERS
- EXHUAST DIFFUSERS
- LINEAR SLOT AIR DIFFUSERS

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50 FRONT ST. SUITE 102
NEWBURGH, NY 12550
CPLteam.com

PROJECT INFORMATION

Project Number
13940.20

Client Name
NEWBURGH ENLARGED CITY SCHOOL DISTRICT

Project Name
PHASE 5: 2019 CAPITAL IMPROVEMENTS PROJECT

SED # 44-16-00-01-0-018-009

Project Address
400 Old Forge Hill Rd, New Windsor, NY 12553

REVISION SCHEDULE

#	Date	Description

SHEET INFORMATION

Issued
9/27/21
BID DOCUMENTS

Drawn By: Author
Checked By: Checker

Drawing Title
ENLARGED CEILING PLANS

VG
A602

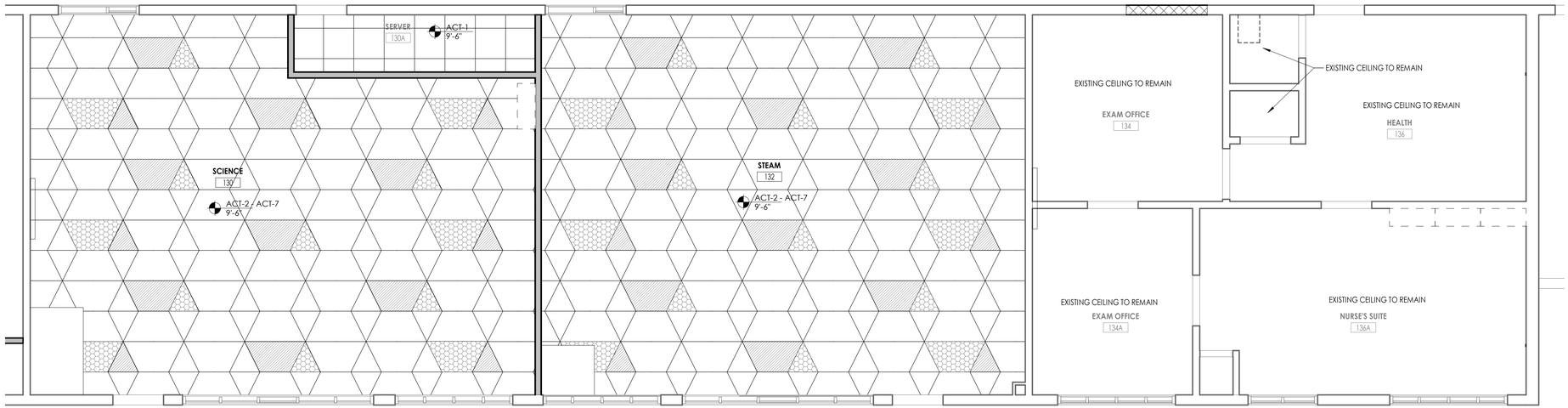
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CEILING KEYNOTES

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2. BASE BID: EXISTING LIGHT FIXTURES TO REMAIN
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GENERAL CEILING NOTES

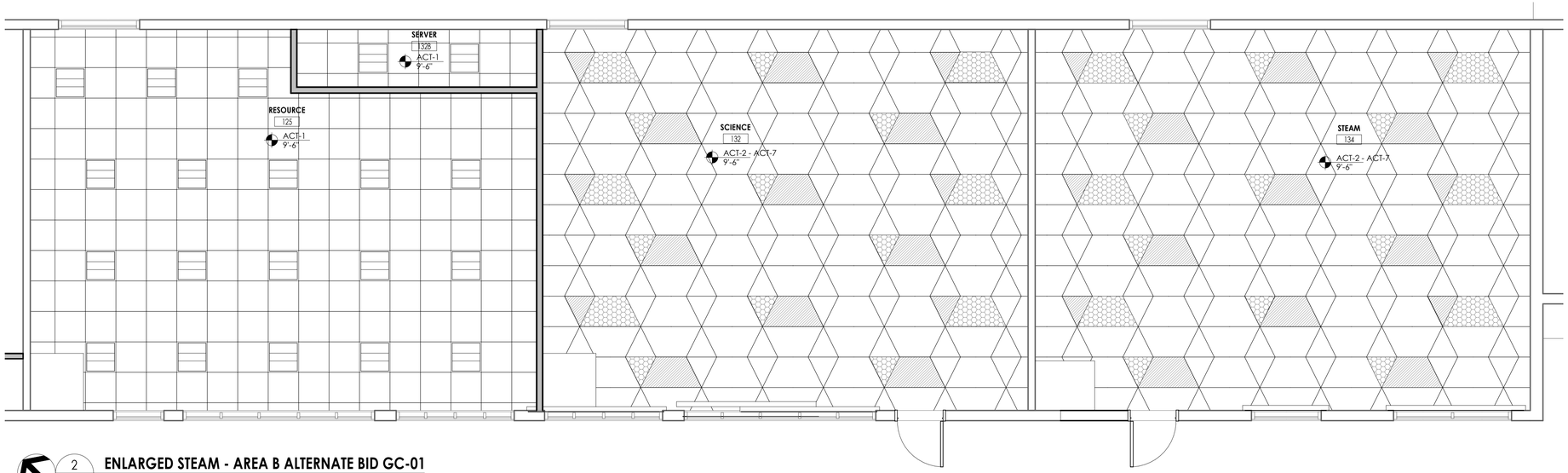
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1 A603 **ENLARGED SCIENCE - AREA B RCP BASE BID**

1/4" = 1'-0"

TRUE NORTH



2 A603 **ENLARGED STEAM - AREA B ALTERNATE BID GC-01**

1/4" = 1'-0"

TRUE NORTH

CEILING SYMBOL LEGEND

NOTE: THIS LEGEND MAY CONTAIN SYMBOLS THAT ARE NOT USED IN THIS PROJECT.

- GYP. BD. - GYPSUM CEILING
- ACT-1 - 2X2 ACOUSTICAL CEILING SYSTEM
- ACT-2 - ACOUSTICAL CEILING SYSTEM
- ACT-3 - ACOUSTICAL CEILING SYSTEM
- ACT-4 - ACOUSTICAL CEILING SYSTEM
- ACT-5 - ACOUSTICAL CEILING SYSTEM
- ACT-6 - ACOUSTICAL CEILING SYSTEM
- ACT-7 - ACOUSTICAL CEILING SYSTEM
- ACT-8 - 1X5 ACOUSTICAL CEILING SYSTEM
- 2'X2' LED LIGHT FIXTURE BY EC
- 2'X4' LED LIGHT FIXTURE BY EC
- LINEAR LED PENDANT LIGHT FIXTURE BY EC
- LED CROSS PENDANT LIGHT FIXTURE BY EC
- RECESSED CAN LIGHT FIXTURES BY EC
- LARGE PENDANT LIGHT FIXTURE BY EC
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- ACS-5; ALTERNATE BID GC-02
- ACS-6; ALTERNATE BID GC-02
- ACS-7; MOUNTED 10'-0" AFF
- ACS-8; MOUNTED 10'-0" AFF
- ACT-1 9'-0" — CEILING TYPE AND CEILING HEIGHT ABOVE FINISHED FLOOR
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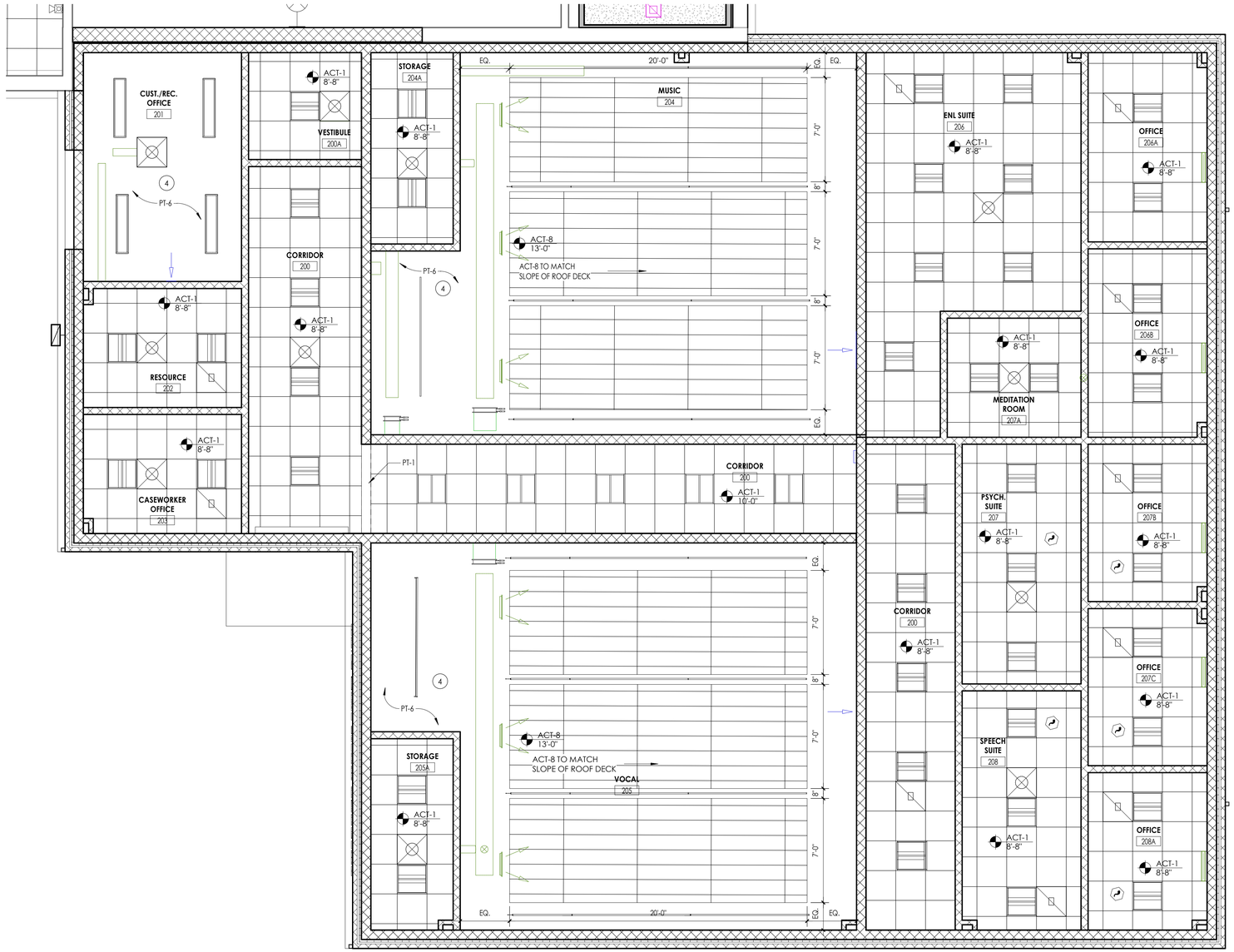
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Drawn By: Author
Checked By: Checker

Drawing Title
ENLARGED CEILING PLANS

VG
A603

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1 / A604 **ENLARGED ADDITION - RCP**
1/4" = 1'-0"

CEILING KEYNOTES

1. PROVIDE NEW 2x2 CEILING SYSTEM.
2. BASE BID: EXISTING LIGHT FIXTURES TO REMAIN
3. NEW LED LIGHT FIXTURES PROVIDED BY EC PER ALTERNATE EC-02. COORDINATE BAFFLE LAYOUT WITH EC
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CEILING SYMBOL LEGEND

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- GYP. BD. - GYPSUM CEILING
- ACT-1 - 2X2 ACOUSTICAL CEILING SYSTEM
- ACT-2 - ACOUSTICAL CEILING SYSTEM
- ACT-3 - ACOUSTICAL CEILING SYSTEM
- ACT-4 - ACOUSTICAL CEILING SYSTEM
- ACT-5 - ACOUSTICAL CEILING SYSTEM
- ACT-6 - ACOUSTICAL CEILING SYSTEM
- ACT-7 - ACOUSTICAL CEILING SYSTEM
- ACT-8 - 1X5 ACOUSTICAL CEILING SYSTEM
- 2'X2' LED LIGHT FIXTURE BY EC
- 2'X4' LED LIGHT FIXTURE BY EC
- LINEAR LED PENDANT LIGHT FIXTURE BY EC
- LED CROSS PENDANT LIGHT FIXTURE BY EC
- RECESSED CAN LIGHT FIXTURES BY EC
- LARGE PENDANT LIGHT FIXTURE BY EC
- ACS-1; ALTERNATE BID GC-02
- ACS-2; ALTERNATE BID GC-02
- ACS-3; ALTERNATE BID GC-02
- ACS-4; ALTERNATE BID GC-02
- ACS-5; ALTERNATE BID GC-02
- ACS-6; ALTERNATE BID GC-02
- ACS-7; MOUNTED 10'-0" AFF
- ACS-8; MOUNTED 10'-0" AFF
- ACT-1 9'-0" — CEILING TYPE AND CEILING HEIGHT ABOVE FINISHED FLOOR
- CUBICLE CURTAIN TRACK SEE DETAIL 21/A805
- SUPPLY AIR DIFFUSERS
- RETURN AIR DIFFUSERS
- EXHUAST DIFFUSERS
- LINEAR SLOT AIR DIFFUSERS

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NEWBURGH, NY 12550
CPLteam.com

PROJECT INFORMATION

Project Number
13940.20

Client Name
NEWBURGH ENLARGED CITY SCHOOL DISTRICT

Project Name
PHASE 5: 2019 CAPITAL IMPROVEMENTS PROJECT

SED # 44-16-00-01-0-018-009

Project Address
400 Old Forge Hill Rd, New Windsor, NY 12553

REVISION SCHEDULE

#	Date	Description

SHEET INFORMATION

Issued
9/27/21
BID DOCUMENTS

Drawn By: Author
Checked By: Checker

Drawing Title
ENLARGED CEILING PLANS

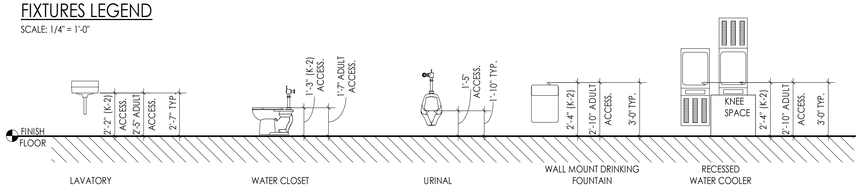
VG
A604

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TOILET FIXTURE AND ACCESSORIES LEGENDS WITH MOUNTING HEIGHTS

FIXTURES LEGEND

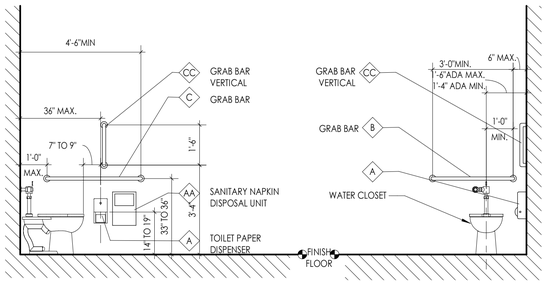
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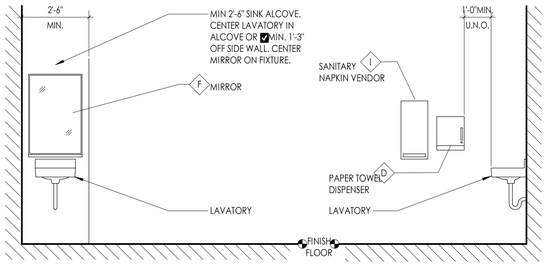
1. DIMENSIONS REFLECT MOUNTING HEIGHT ABOVE FINISH FLOOR.
2. REFER TO FLOOR PLANS FOR APPROPRIATE LOCATION FOR FIXTURES.
3. THIS LEGEND MAY CONTAIN FIXTURES THAT ARE NOT SPECIFIED TO BE INCLUDED IN THIS PROJECT.
4. KNEE PROTECTION AT ALL ACCESSIBLE SINKS.

TYPICAL TOILET AND SHOWER ACCESSORY LOCATIONS



LOCATION AT TOILET

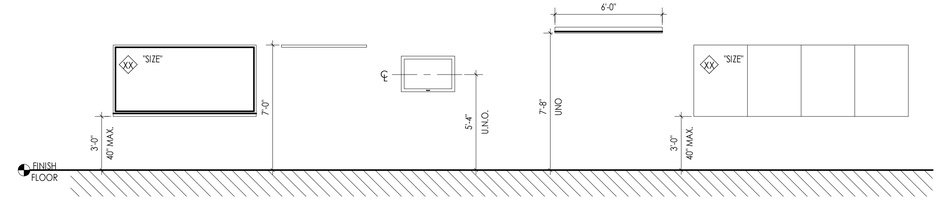
SCALE 3/8"=1'-0" (REF. ABOVE FOR TYP. HEIGHTS)



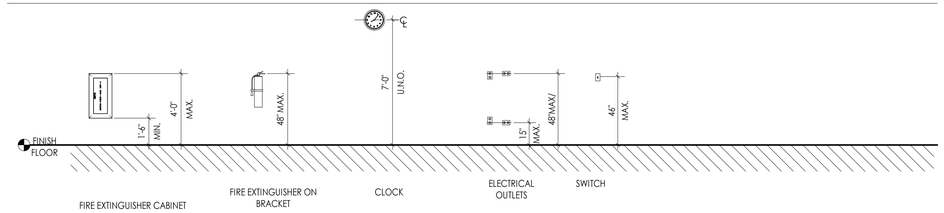
LOCATION AT SINK

SCALE 3/8"=1'-0" (REF. ABOVE FOR TYP. HEIGHTS)

ACCESSORIES LEGEND WITH MOUNTING HEIGHTS

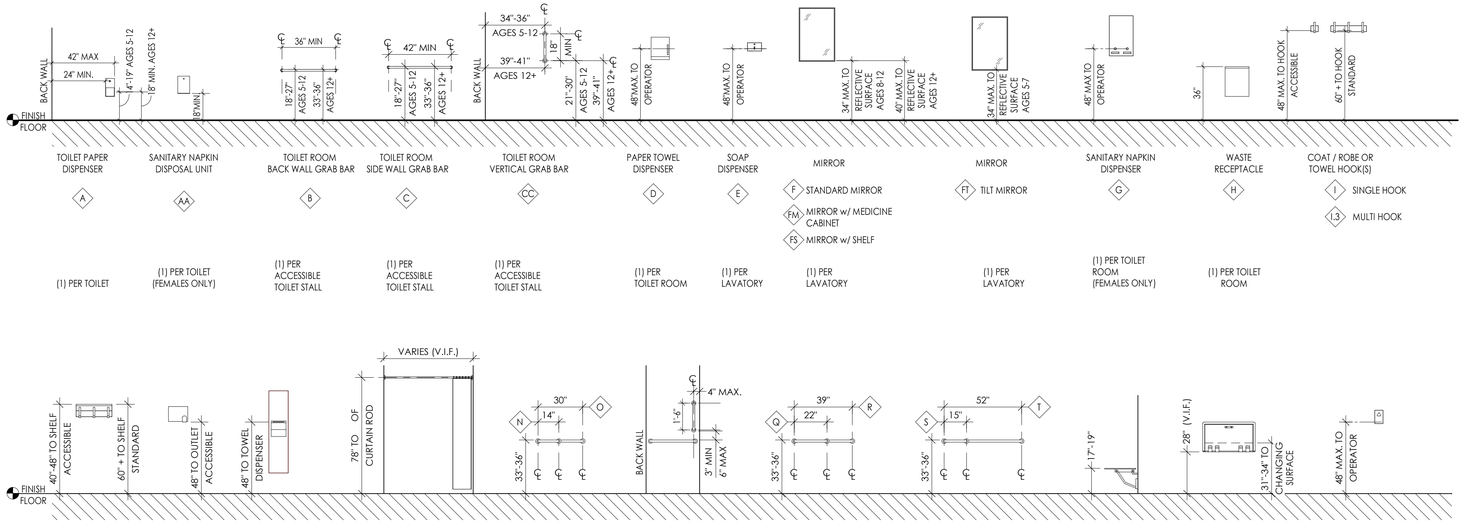


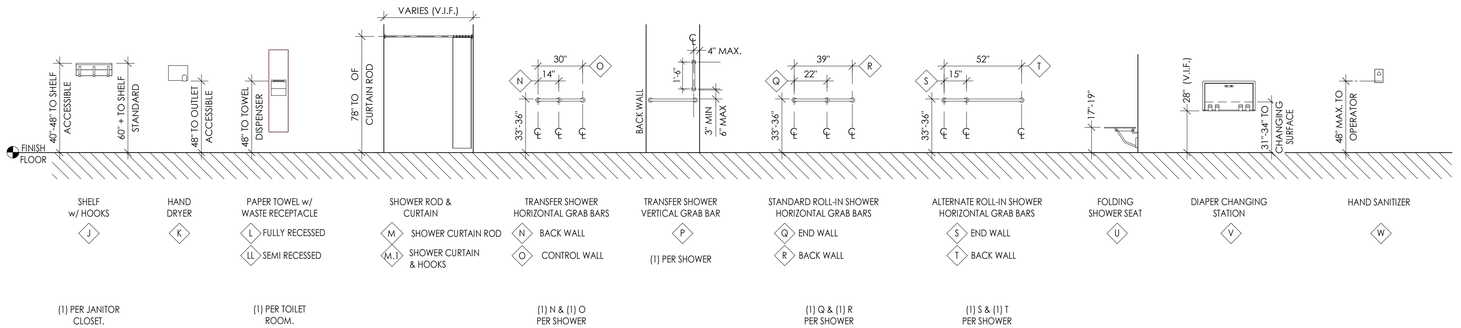
TYPICAL MOUNTING HEIGHTS



TOILET & SHOWER ROOM ACCESSORIES MOUNTING HEIGHT LEGEND

SCALE: 1/4" = 1'-0"





ACCESSORIES - GENERAL NOTES:

1. DIMENSIONS REFLECT MOUNTING HEIGHT ABOVE FINISH FLOOR
2. REFER TO EQUIPMENT PLANS AND INTERIOR ELEVATIONS FOR APPROPRIATE LOCATION FOR ACCESSORIES.
3. THIS LEGEND MAY CONTAIN ACCESSORIES THAT ARE NOT SPECIFIED TO BE INCLUDED IN THIS PROJECT.
4. (XXX) MODEL NUMBER BASIS OF DESIGN

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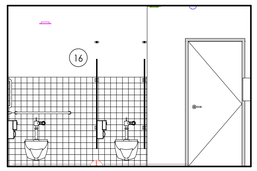
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Drawn By: JPN
Checked By: PC

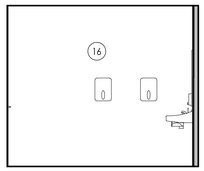
Drawing Title
K-12 TYP. FIXTURE AND ACCESS. HEIGHTS AND LEGENDS

VG
A700

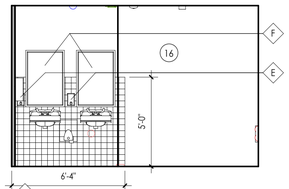
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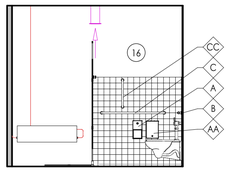
1 A701 **ELEVATION**
1/4" = 1'-0"



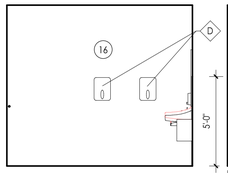
2 A701 **ELEVATION**
1/4" = 1'-0"



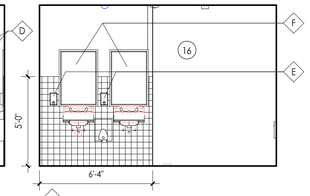
3 A701 **ELEVATION**
1/4" = 1'-0"



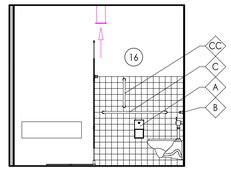
4 A701 **ELEVATION**
1/4" = 1'-0"



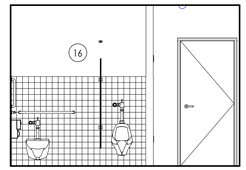
9 A701 **ELEVATION**
1/4" = 1'-0"



10 A701 **ELEVATION**
1/4" = 1'-0"



11 A701 **ELEVATION**
1/4" = 1'-0"



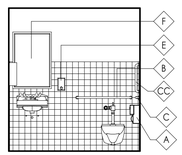
12 A701 **ELEVATION**
1/4" = 1'-0"

GENERAL INTERIOR ELEVATIONS NOTES

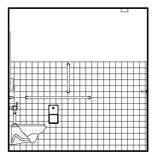
1. ALL DRAWINGS ARE GRAPHIC REPRESENTATIONS OF APPROXIMATE LOCATIONS OF EXISTING AND NEW MATERIALS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF WORK.
2. REFER TO A700 FOR TOILET FIXTURE AND ACCESSORIES LEGEND AND MOUNTING HEIGHTS.
3. REFER TO A200 SERIES DRAWINGS FOR ADDITIONAL SPECIALTIES.
4. ALL FURNITURE AND EQUIPMENT SHOWN IS PROVIDED BY OWNER UNLESS NOTED OTHERWISE. ITEMS SHOWN ON THESE DOCUMENTS ARE FOR COORDINATION OF M.E.P INFRASTRUCTURE TO OPERATE ITEMS INCLUDED UNDER THE SCOPE.
5. PROVIDE SUPPORT BLOCKING AND STRAPPING FOR ALL MILLWORK, CASEWORK, AND WALL MOUNTED ACCESSORIES.
6. REFER TO SPECS FOR ALL TOILET ROOM ACCESSORIES PROVIDED BY OWNER.
7. PROVIDE MOISTURE RESISTANT GWB BEHIND ALL CERAMIC WALL TILE INSTALLATIONS.
8. PROVIDE FULL FINISHED END PANELS ON ALL EXPOSED MILLWORK.
9. PROVIDE FILLER PANEL WHERE MILLWORK MEETS WALL.
10. PROVIDE SUPPORT BRACKETS AT WORK SURFACES, 48" MAX BETWEEN BRACKETS UNLESS NOTED OTHERWISE.
11. ALL MILLWORK TO BE LOCKABLE UNLESS NOTED OTHERWISE.
12. SEE ROOM FINISH SCHEDULE AND COLOR LEGEND FOR FINISHES.
13. REFER TO A600 SERIES DRAWINGS FOR CEILING HEIGHTS.
14. REFER TO I SERIES DRAWINGS AND A700 SERIES DRAWINGS FOR MILLWORK FINISHES.
15. FIELD VERIFY ALL DIMENSIONS PRIOR TO SHOP DRAWING SUBMITTAL.
16. PROVIDE VALANCE COVER AT ALL UNDER CABINET LIGHTING WHEREVER UNDER CABINET LIGHTING IS REQUIRED.
17. GROMMETS TO BE INSTALLED IN FIELD AND COORDINATED WITH I.T. EQUIPMENT.
18. REFER TO I DRAWINGS FOR FINAL WALL TILE DESIGN.

INTERIOR ELEVATION KEYNOTES

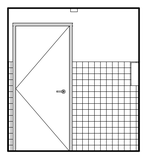
1. ALTERNATE BID GC-04: 3-COLOR PATTERN CERAMIC TILE BACKSPLASH. REFER TO SHEET I000 FOR TYPICAL PATTERN DETAILS.
2. WRITABLE & MAGNETIC WALL SURFACE (WB-1). TYPICAL MOUNTING HIEGHT IS 2'-0" AFF. REFER TO A700'S AND I SERIES SHEETS FOR LENGTHS.
3. PROVIDE SCHEDULED BASE.
4. ALTERNATE BID GC-05: DIGITALLY PRINED VINYL WALL GRAPHIC. SEE SHEET I002 FOR WALL GRAPHIC SCHEDULE & DETAILS.
5. EQUIPMENT TO BE PROVIDED BY OWNER.
6. PROMETHEAN BOARD TO BE PROVIDED & INSTALLED BY OWNER. COORDINATE POWER & DATA WITH E.C.
7. PROVIDE 3-COLOR PATTERN CERAMIC TILE +/- 7'-6" A.F.F. REFER TO SHEET I000 FOR TYPICAL PATTERN DETAILS.
8. EXISTING WOOD TRIM TO RECEIVE PAINT PT-2.
9. EXISTING WINDOW FRAMES TO RECEIVE PAINT PT-2.
10. HPL COUNTERTOP AS SCHEDULED. PROVIDE WITH MATCHING ABS EDGE BASE
11. SSM COUNTERTOP AS SCHEDULED.
12. HPL CASEWORK, ALL EXPOSED FACES.
13. PROVIDE ACOUSTIAL CEILING SYSTEM (ACS). REFER TO I000 AND A600 SERIES SHEETS FOR FINISH AND DETAILS.
14. PROVIDE CLEAR PROTECTIVE WOOD STAIN AT EXISTING BEAMS.
15. PROVIDE ACOUSTICAL WALL PANEL (AWP). REFER TO I00 FOR DETAILS.
16. REFER TO I-DRAWINGS FOR FINISHES AND INSTALLATION INFORMATION
17. HPL FILLER PANEL AS REQUIRED.



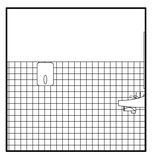
25 A701 **ELEVATION**
1/4" = 1'-0"



26 A701 **ELEVATION**
1/4" = 1'-0"



27 A701 **ELEVATION**
1/4" = 1'-0"



28 A701 **ELEVATION**
1/4" = 1'-0"

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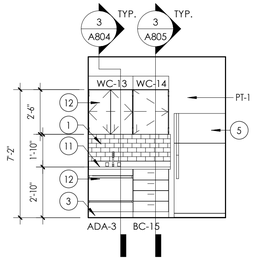
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Drawn By: JPN
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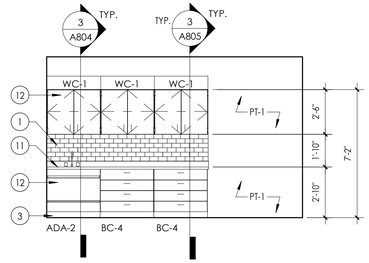
Drawing Title
RESTROOM INTERIOR ELEVATIONS

VG
A701

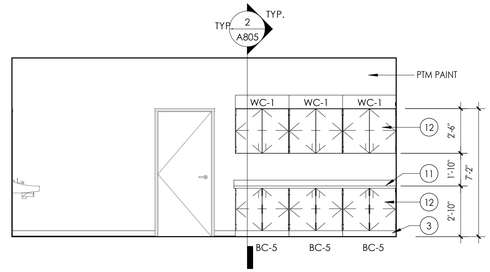
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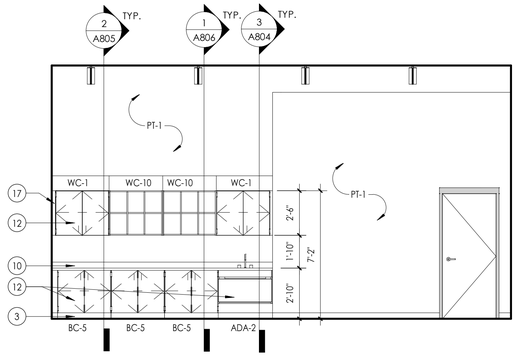
14 A702 **CASEWORK ELEVATION AT NURSE'S SUITE (ALT. GC-01)**
1/4" = 1'-0"



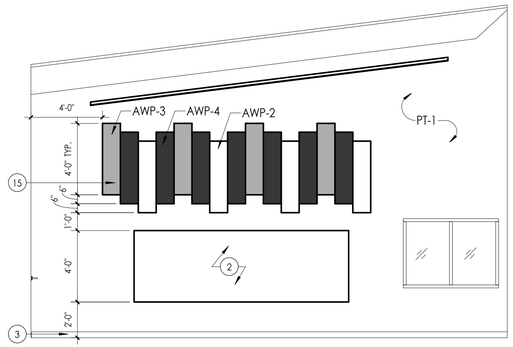
13 A702 **CASEWORK ELEVATION AT NURSE'S SUITE (ALT. GC-01)**
1/4" = 1'-0"



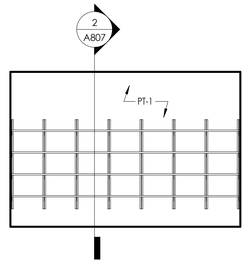
12 A702 **CASEWORK ELEVATION AT NURSE'S SUITE (BASE BID)**
1/4" = 1'-0"



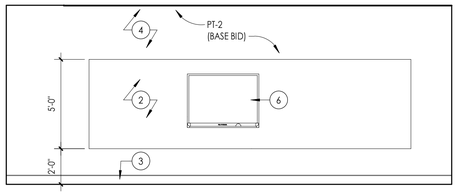
11 A702 **MUSIC ROOM - ELEVATION A**
1/4" = 1'-0"



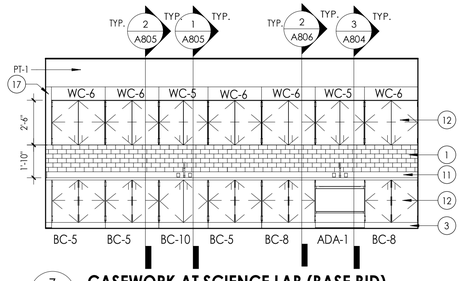
10 A702 **MUSIC ROOM - ELEVATION B**
1/4" = 1'-0"



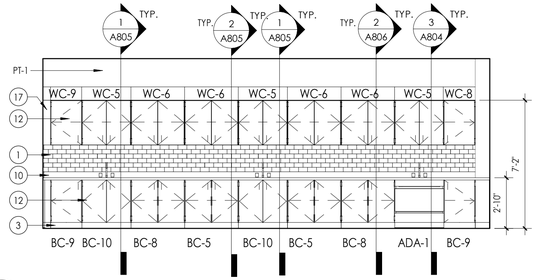
9 A702 **STORAGE - OPEN SHLEVING**
1/4" = 1'-0"



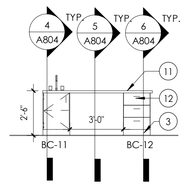
8 A702 **TEACHING WALL ELEVATION AT STEAM & SCIENCE LAB (BASE & ALT BID)**
1/4" = 1'-0"



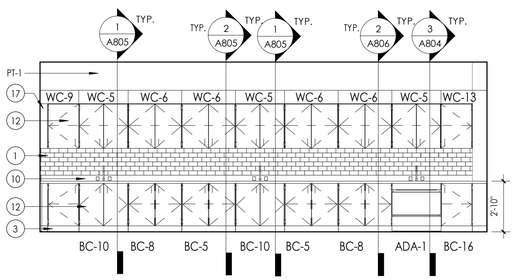
7 A702 **CASEWORK AT SCIENCE LAB (BASE BID)**
1/4" = 1'-0"



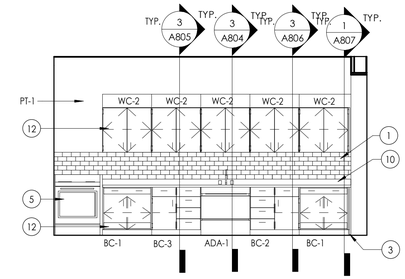
6 A702 **CASEWORK ELEVATION AT STEAM LAB (BASE BID) & SCIENCE LAB (ALT. GC-01)**
1/4" = 1'-0"



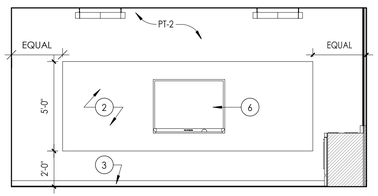
5 A702 **DEMONSTRATION TABLE ELEVATION (BASE & ALT. GC-01)**
1/4" = 1'-0"



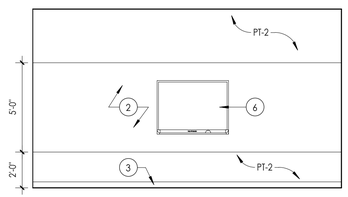
4 A702 **CASEWORK ELEVATION AT STEAM LAB (ALT. GC-01)**
1/4" = 1'-0"



3 A702 **CASEWORK ELEVATION AT LIBRARY (BASE BID)**
1/4" = 1'-0"



2 A702 **TEACHING WALL ELEVATION AT LIBRARY (BASE BID)**
1/4" = 1'-0"



1 A702 **TEACHING WALL AT READING ROOM (BASED BID)**
1/4" = 1'-0"

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8. PROVIDE FULL FINISHED END PANELS ON ALL EXPOSED MILLWORK.
9. PROVIDE FILLER PANEL WHERE MILLWORK MEETS WALL.
10. PROVIDE SUPPORT BRACKETS AT WORK SURFACES, 48" MAX BETWEEN BRACKETS UNLESS NOTED OTHERWISE.
11. ALL MILLWORK TO BE LOCKABLE UNLESS NOTED OTHERWISE.
12. SEE ROOM FINISH SCHEDULE AND COLOR LEGEND FOR FINISHES.
13. REFER TO A600 SERIES DRAWINGS FOR CEILING HEIGHTS.
14. REFER TO I SERIES DRAWINGS AND A700 SERIES DRAWINGS FOR MILLWORK FINISHES.
15. FIELD VERIFY ALL DIMENSIONS PRIOR TO SHOP DRAWING SUBMITTAL.
16. PROVIDE VALANCE COVER AT ALL UNDER CABINET LIGHTING WHEREVER UNDER CABINET LIGHTING IS REQUIRED.
17. GROMMETS TO BE INSTALLED IN FIELD AND COORDINATED WITH I.T. EQUIPMENT.
18. REFER TO I DRAWINGS FOR FINAL WALL TILE DESIGN.

INTERIOR ELEVATION KEYNOTES

1. ALTERNATE BID GC-04: 3-COLOR PATTERN CERAMIC TILE BACKSPLASH. REFER TO SHEET I000 FOR TYPICAL PATTERN DETAILS.
2. WRITABLE & MAGNETIC WALL SURFACE (WB-1). TYPICAL MOUNTING HIEGHT IS 2'-0" AFF. REFER TO A700'S AND I SERIES SHEETS FOR LENGTHS.
3. PROVIDE SCHEDULED BASE.
4. ALTERNATE BID GC-05: DIGITALLY PRINED VINYL WALL GRAPHIC. SEE SHEET I002 FOR WALL GRAPHIC SCHEDULE & DETAILS.
5. EQUIPMENT TO BE PROVIDED BY OWNER.
6. PROMETHEAN BOARD TO BE PROVIDED & INSTALLED BY OWNER. COORDINATE POWER & DATA WITH E.C.
7. PROVIDE 3-COLOR PATTERN CERAMIC TILE +/- 7'-6" A.F.F. REFER TO SHEET I000 FOR TYPICAL PATTERN DETAILS.
8. EXISTING WOOD TRIM TO RECEIVE PAINT PT-2.
9. EXISTING WINDOW FRAMES TO RECEIVE PAINT PT-2.
10. HPL COUNTERTOP AS SCHEDULED. PROVIDE WITH MATCHING ABS EDGE BASE
11. SSM COUNTERTOP AS SCHEDULED.
12. HPL CASEWORK, ALL EXPOSED FACES.
13. PROVIDE ACOUSTIAL CEILING SYSTEM (ACS). REFER TO I000 AND A600 SERIES SHEETS FOR FINISH AND DETAILS.
14. PROVIDE CLEAR PROTECTIVE WOOD STAIN AT EXISTING BEAMS.
15. PROVIDE ACOUSTICAL WALL PANEL (AWP). REFER TO I00 FOR DETAILS.
16. REFER TO I-DRAWINGS FOR FINISHES AND INSTALLATION INFORMATION
17. HPL FILLER PANEL AS REQUIRED.

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PROJECT INFORMATION

Project Number
13940.20

Client Name
NEWBURGH ENLARGED CITY SCHOOL DISTRICT

Project Name
PHASE 5: 2019 CAPITAL IMPROVEMENTS PROJECT

SED # 44-16-00-01-0-018-009

Project Address
400 Old Forge Hill Rd, New Windsor, NY 12553

REVISION SCHEDULE

#	Date	Description

SHEET INFORMATION

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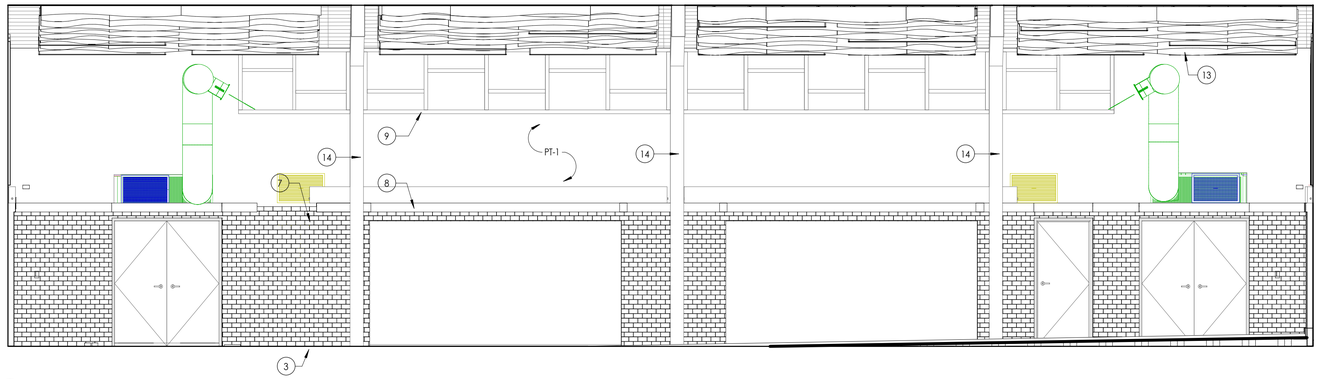
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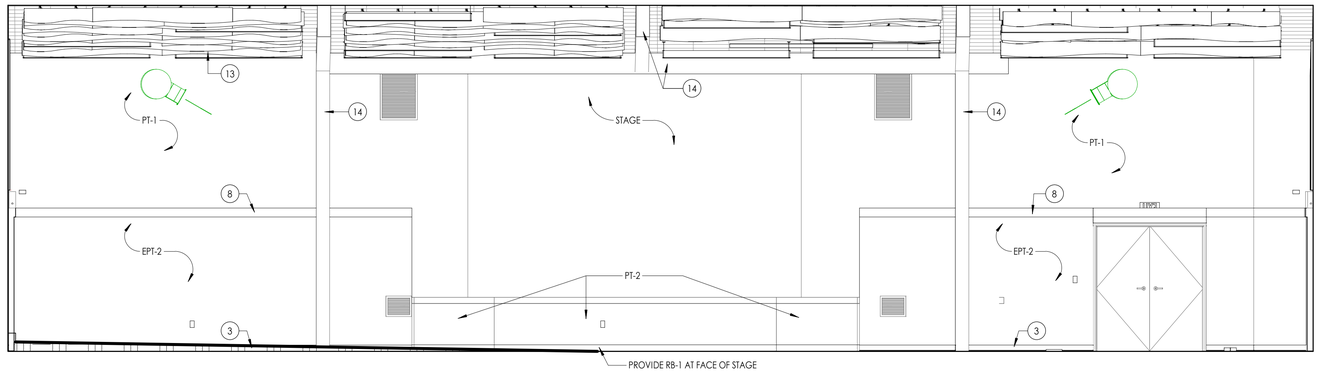
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INTERIOR ELEVATIONS

VG
A702

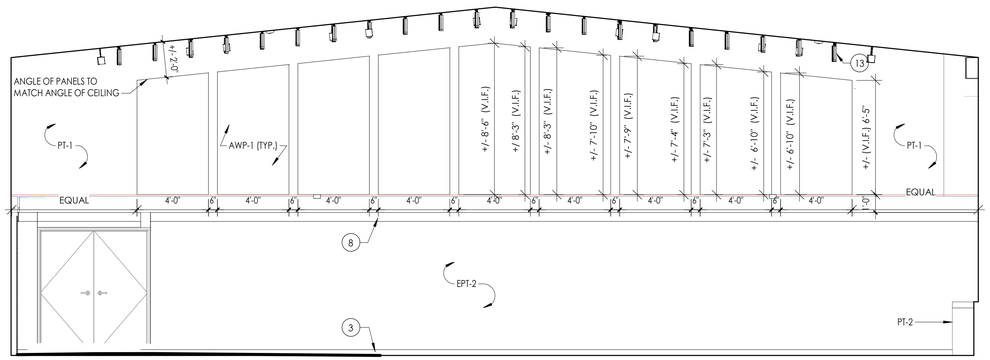
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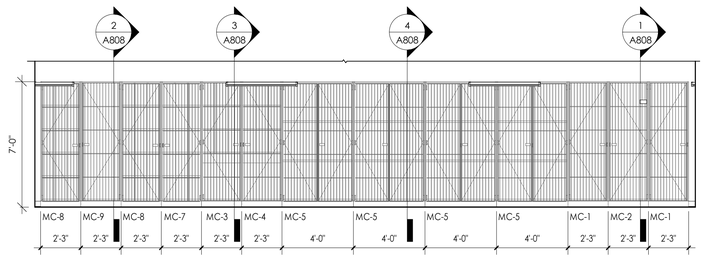
1 A703 **CAFETORIUM SERVING WALL ELEVATON (BASE BID)**
1/4" = 1'-0"



2 A703 **CAFETORIUM STAGE ELVATION (BASE BID)**
1/4" = 1'-0"



3 A703 **CAFETORIUM ACOUSTICAL WALL PANEL ELEVATION (BASE BID)**
1/4" = 1'-0"



4 A703 **MUSICAL INSTRUMENT STORAGE ELEVATION AT STAGE - ALTERNATE BID GC-03**
1/4" = 1'-0"

GENERAL INTERIOR ELEVATIONS NOTES

1. ALL DRAWINGS ARE GRAPHIC REPRESENTATIONS OF APPROXIMATE LOCATIONS OF EXISTING AND NEW MATERIALS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF WORK.
2. REFER TO A700 FOR TOILET FIXTURE AND ACCESSORIES LEGEND AND MOUNTING HEIGHTS.
3. REFER TO A200 SERIES DRAWINGS FOR ADDITIONAL SPECIALTIES.
4. ALL FURNITURE AND EQUIPMENT SHOWN IS PROVIDED BY OWNER UNLESS NOTED OTHERWISE. ITEMS SHOWN ON THESE DOCUMENTS ARE FOR COORDINATION OF M.E.P INFRASTRUCTURE TO OPERATE ITEMS INCLUDED UNDER THE SCOPE.
5. PROVIDE SUPPPORT BLOCKING AND STRAPPING FOR ALL MILLWORK, CASEWORK, AND WALL MOUNTED ACCESSORIES.
6. REFER TO SPECS FOR ALL TOILET ROOM ACCESSORIES PROVIDED BY OWNER.
7. PROVIDE MOISTURE RESISTANT GWB BEHIND ALL CERAMIC WALL TILE INSTALLATIONS.
8. PROVIDE FULL FINISHED END PANELS ON ALL EXPOSED MILLWORK.
9. PROVIDE FILLER PANEL WHERE MILLWORK MEETS WALL.
10. PROVIDE SUPPORT BRACKETS AT WORK SURFACES, 48" MAX BETWEEN BRACKETS UNLESS NOTED OTHERWISE.
11. ALL MILLWORK TO BE LOCKABLE UNLESS NOTED OTHERWISE.
12. SEE ROOM FINISH SCHEDULE AND COLOR LEGEND FOR FINISHES.
13. REFER TO A600 SERIES DRAWINGS FOR CEILING HEIGHTS.
14. REFER TO I SERIES DRAWINGS AND A700 SERIES DRAWINGS FOR MILLWORK FINISHES.
15. FIELD VERIFY ALL DIMENSIONS PRIOR TO SHOP DRAWING SUBMITTAL.
16. PROVIDE VALANCE COVER AT ALL UNDER CABINET LIGHTING WHEREVER UNDER CABINET LIGHTING IS REQUIRED.
17. GROMMETS TO BE INSTALLED IN FIELD AND COORDINATED WITH I.T. EQUIPMENT.
18. REFER TO I DRAWINGS FOR FINAL WALL TILE DESIGN.

INTERIOR ELEVATION KEYNOTES

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3. PROVIDE SCHEDULED BASE.
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8. EXISTING WOOD TRIM TO RECEIVE PAINT PT-2.
9. EXISTING WINDOW FRAMES TO RECEIVE PAINT PT-2.
10. HPL COUNTERTOP AS SCHEDULED. PROVIDE WITH MATCHING ABS EDGE BASE
11. SSM COUNTERTOP AS SCHEDULED.
12. HPL CASEWORK, ALL EXPOSED FACES.
13. PROVIDE ACOUSTIAL CEILING SYSTEM (ACS). REFER TO I000 AND A600 SERIES SHEETS FOR FINISH AND DETAILS.
14. PROVIDE CLEAR PROTECTIVE WOOD STAIN AT EXISTING BEAMS.
15. PROVIDE ACOUSTICAL WALL PANEL (AWP). REFER TO I00 FOR DETAILS.
16. REFER TO I-DRAWINGS FOR FINISHES AND INSTALLATION INFORMATION
17. HPL FILLER PANEL AS REQUIRED.

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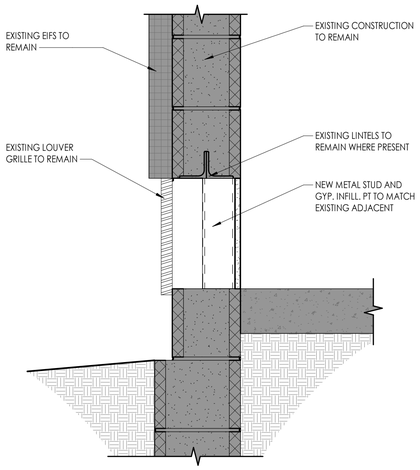
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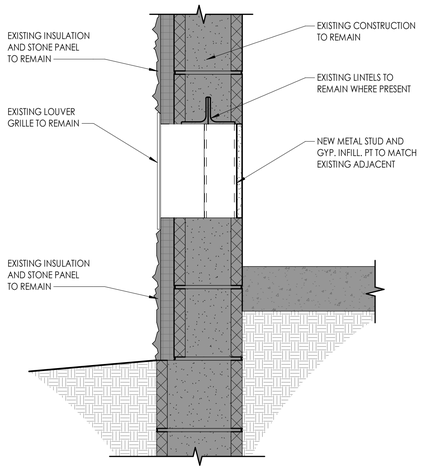
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Issued
9/27/21
BID DOCUMENTS
Drawn By: Author
Checked By: Checker
Drawing Title
INTERIOR ELEVATIONS

VG
A703

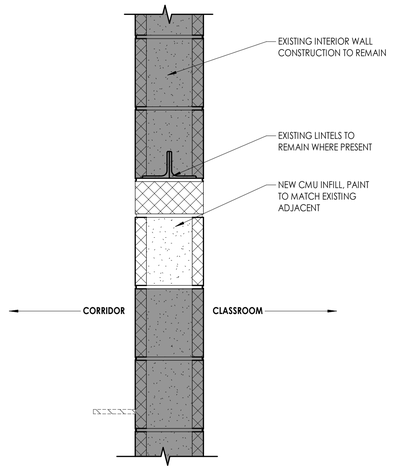
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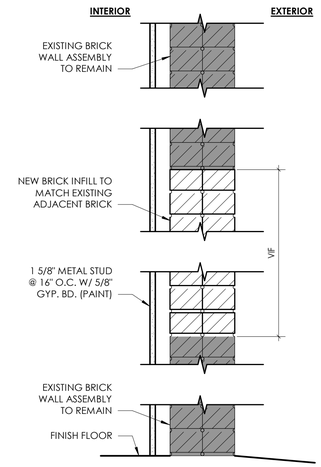
1 A800 **UNIT VENTILATOR INFILL 1**
1 1/2" = 1'-0"



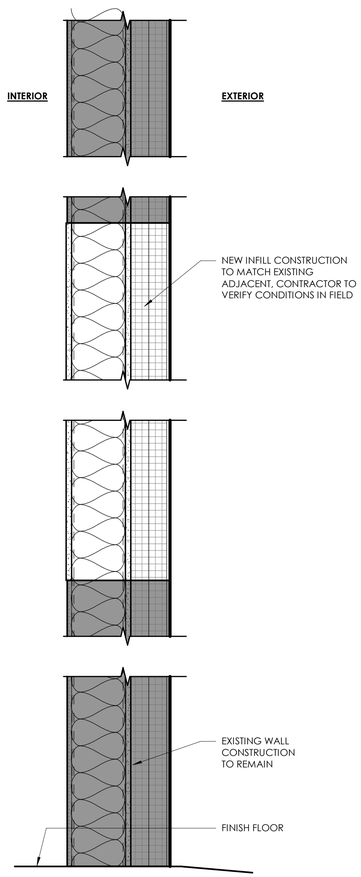
2 A800 **UNIT VENTILATOR INFILL 2**
1 1/2" = 1'-0"



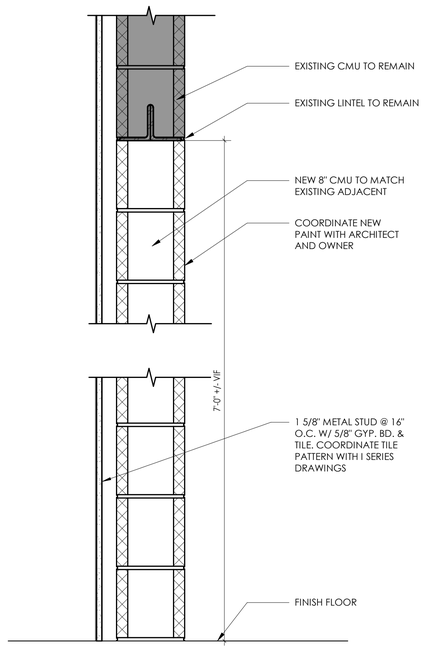
3 A800 **INTERIOR WALL INFILL**
1 1/2" = 1'-0"



4 A800 **A/C INFILL DETAIL 1**
1 1/2" = 1'-0"



5 A800 **WINDOW INFILL DETAIL 1**
1 1/2" = 1'-0"



6 A800 **WALL INFILL DETAIL 1**
1 1/2" = 1'-0"

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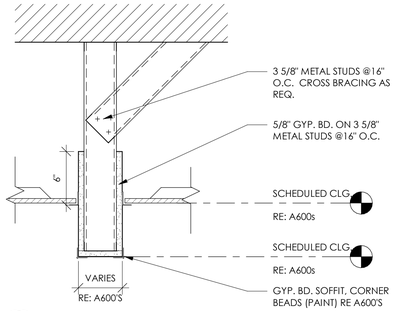
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Checked By: Checker

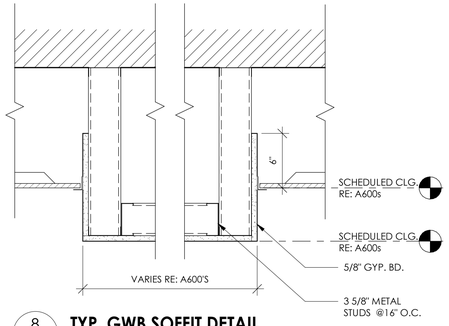
Drawing Title
TYPICAL WALL SECTIONS

VG
A800

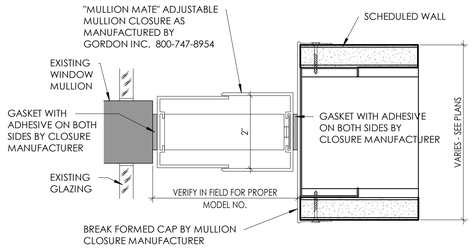
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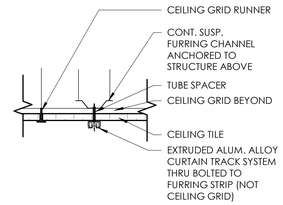
7 A801 **BULKHEAD DETAIL**
1 1/2" = 1'-0"



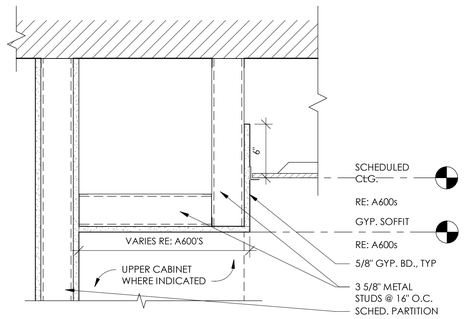
8 A801 **TYP. GWB SOFFIT DETAIL**
1 1/2" = 1'-0"



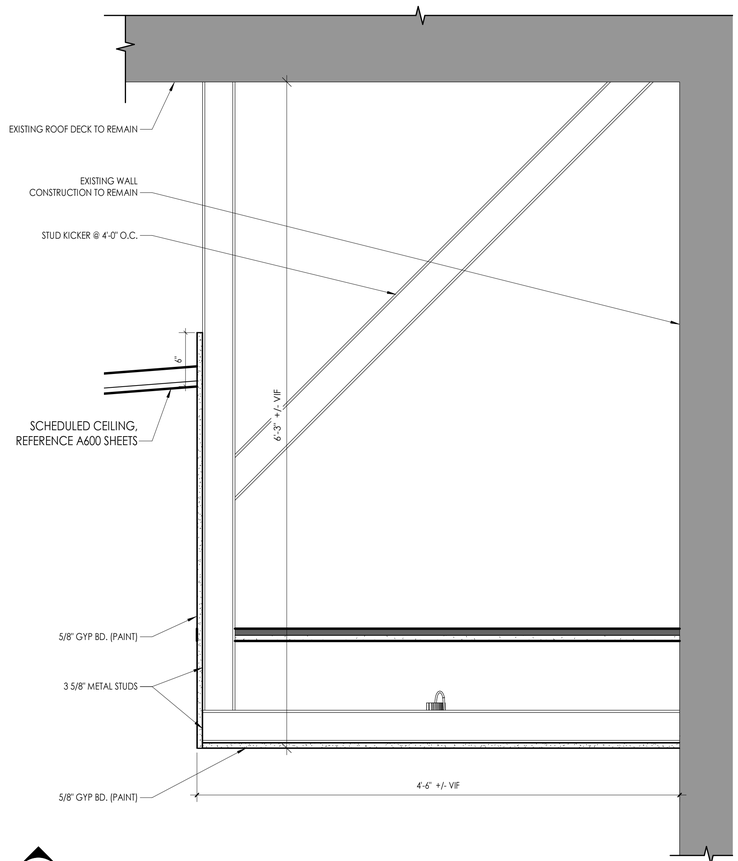
9 A801 **MULLION MATE DETAIL**
6" = 1'-0"



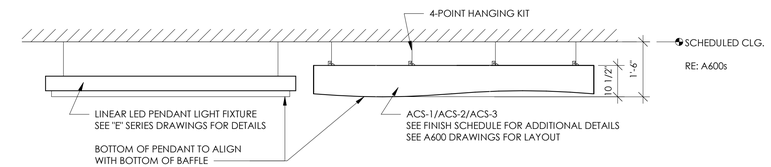
10 A801 **CURTAIN TRACK DETAIL**
1 1/2" = 1'-0"



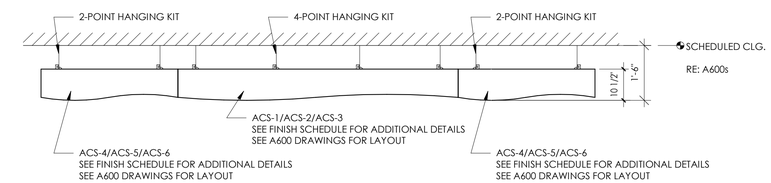
6 A801 **TYP. GWB SOFFIT DETAIL @ WALL**
1 1/2" = 1'-0"



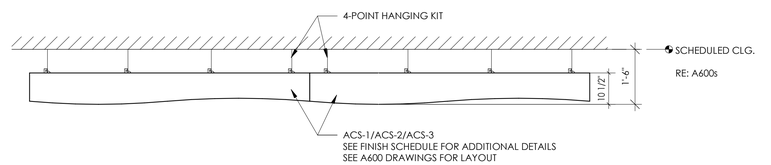
2 A801 **SECTION**
1 1/2" = 1'-0"



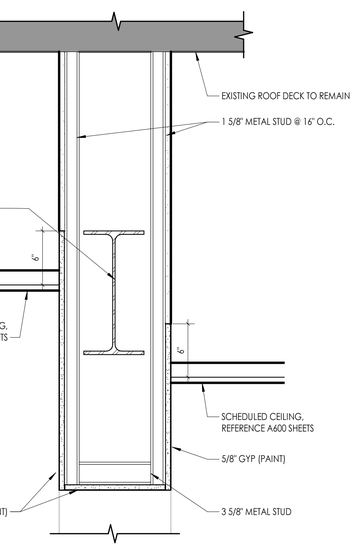
5 A801 **BAFFLE DETAIL - CONFIGURATION C BID ALTERNATE GC-02**
1/2" = 1'-0"



4 A801 **BAFFLE DETAIL - CONFIGURATION B BID ALTERNATE GC-02**
1/2" = 1'-0"



3 A801 **BAFFLE DETAIL - CONFIGURATION A BID ALTERNTE GC-02**
1/2" = 1'-0"



1 A801 **SECTION**
1 1/2" = 1'-0"

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BID DOCUMENTS

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Author

Checked By
Checker

Drawing Title
SECTIONS & DETAILS

VG
A801

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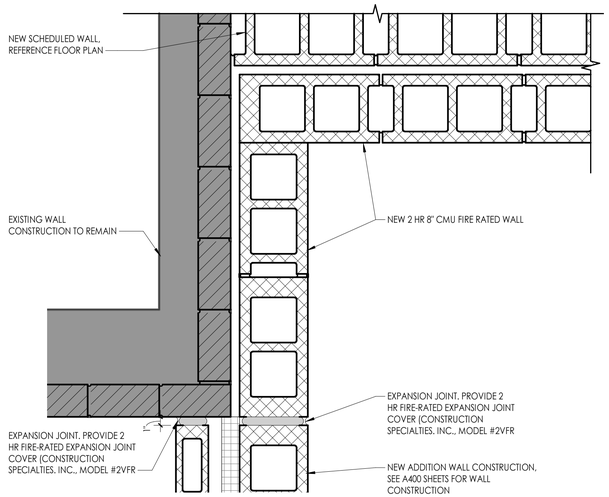
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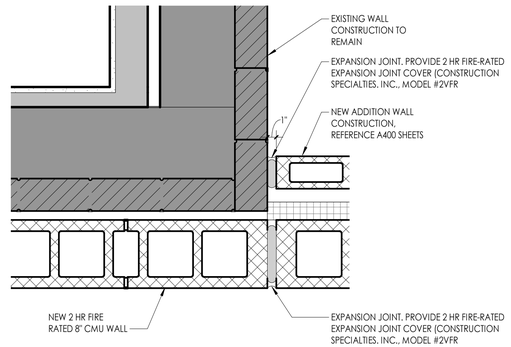
Project Address
400 Old Forge Hill Rd, New Windsor, NY 12553

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1 / A802 **FLOOR PLAN DETAIL**
1 1/2" = 1'-0"



2 / A802 **FLOOR PLAN DETAIL**
1 1/2" = 1'-0"

SHEET INFORMATION

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9/27/21
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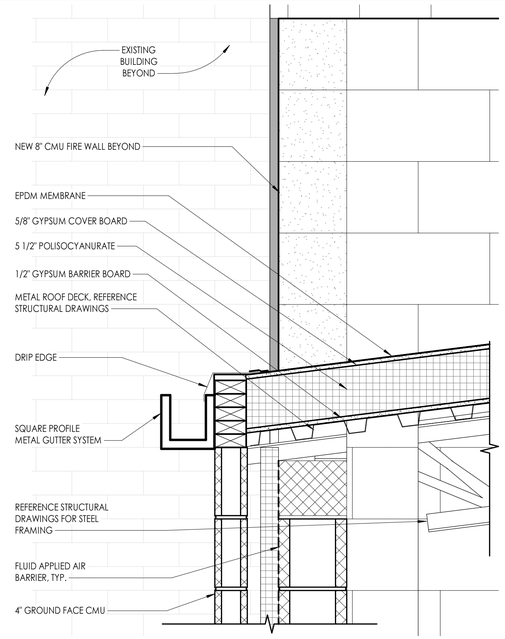
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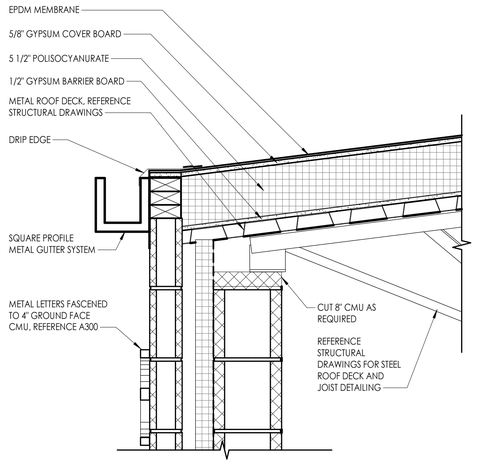
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ADDITION PLAN DETAILS

VG
A802

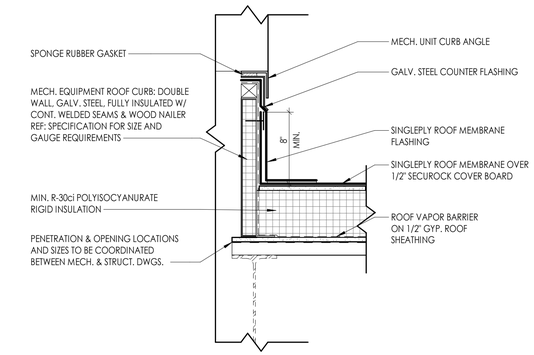
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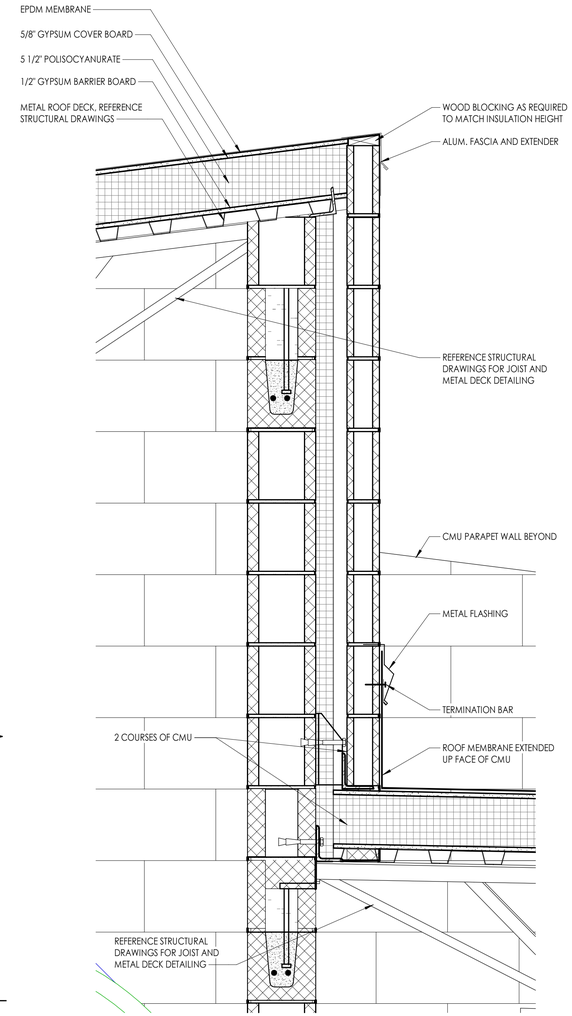
1 A803 **ROOF DETAIL**
1 1/2" = 1'-0"



2 A803 **ROOF DETAIL**
1 1/2" = 1'-0"



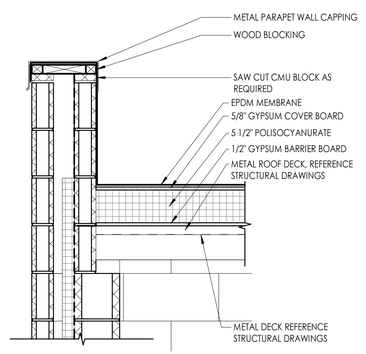
6 A803 **SINGLE PLY ROOF - CURB TYP.**
1 1/2" = 1'-0"



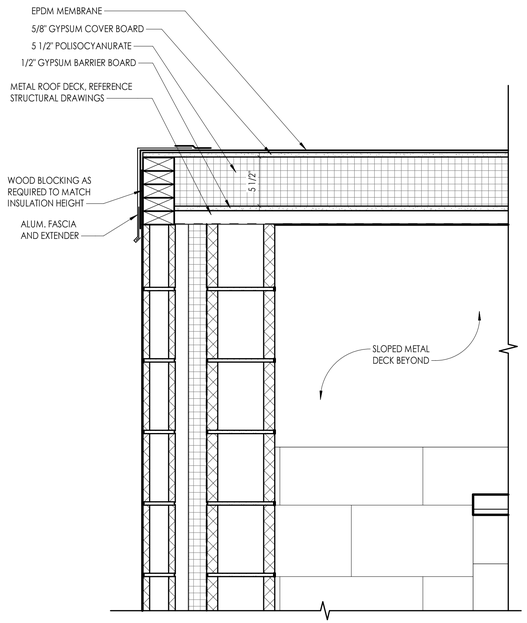
8 A803 **ROOF DETAIL**
1 1/2" = 1'-0"

5 A803 **ROOF DETAIL**
1 1/2" = 1'-0"

3 A803 **ROOF DETAIL**
1 1/2" = 1'-0"



4 A803 **ROOF DETAIL**
1" = 1'-0"



7 A803 **ROOF DETAIL**
1 1/2" = 1'-0"

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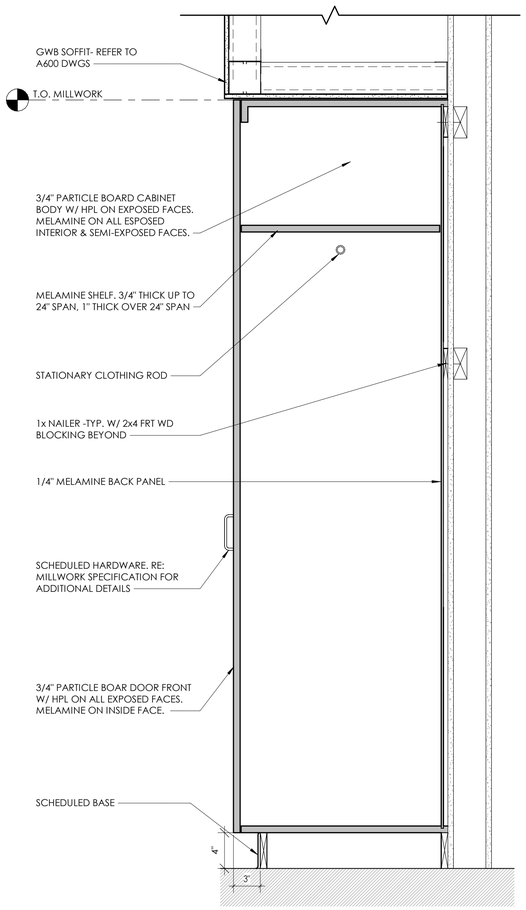
Drawn By
Author

Checked By
Checker

Drawing Title
ADDITION ROOF DETAILS

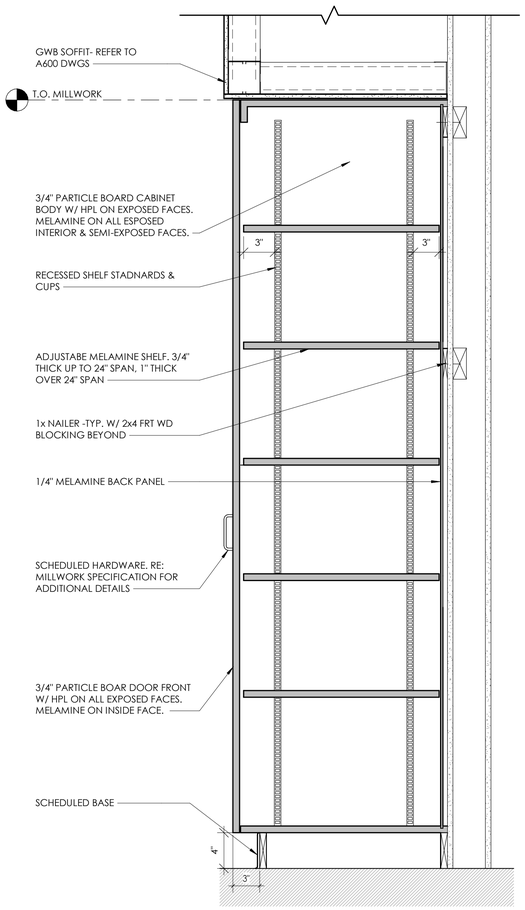
VG
A803

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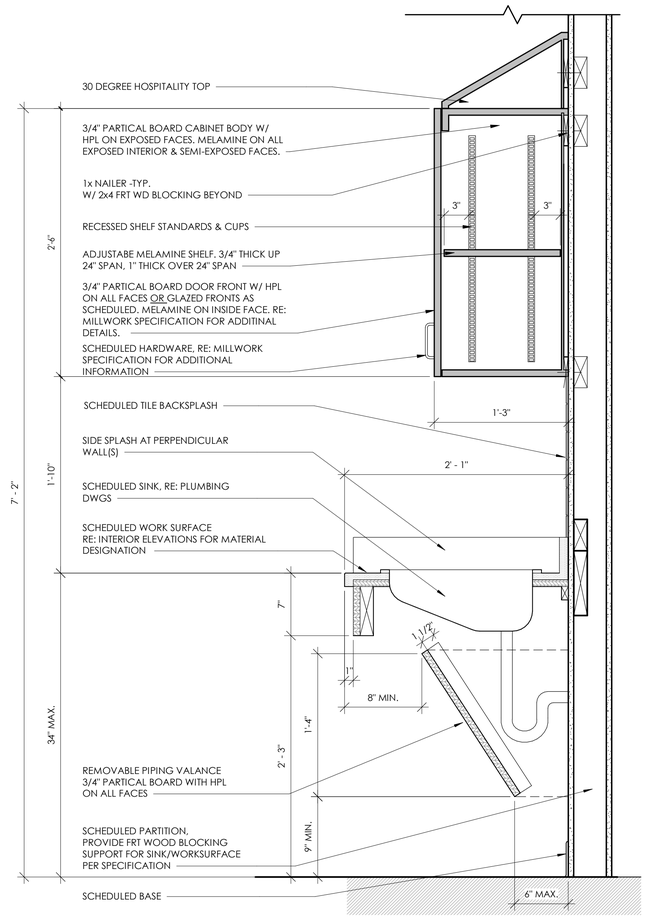
1 A804 **CASEWORK DETAIL - TALL CABINET WITH WARDROBE**

1 1/2" = 1'-0"



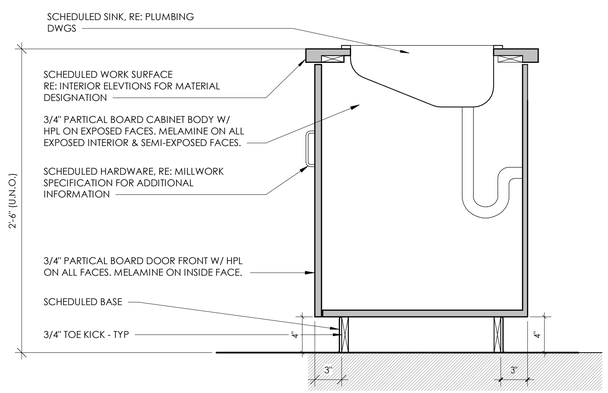
2 A804 **CASEWORK DETAIL - TALL CABINET WITH ADJUSTABLE SHELVES**

1 1/2" = 1'-0"



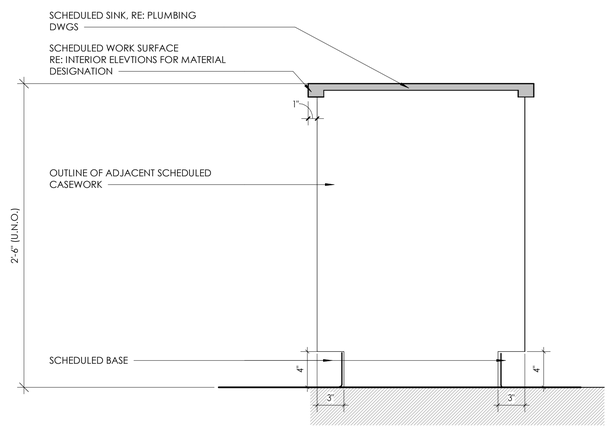
3 A804 **CASEWORK DETAIL - TYPICAL ADA SINK BASE & UPPER CABINET**

1 1/2" = 1'-0"



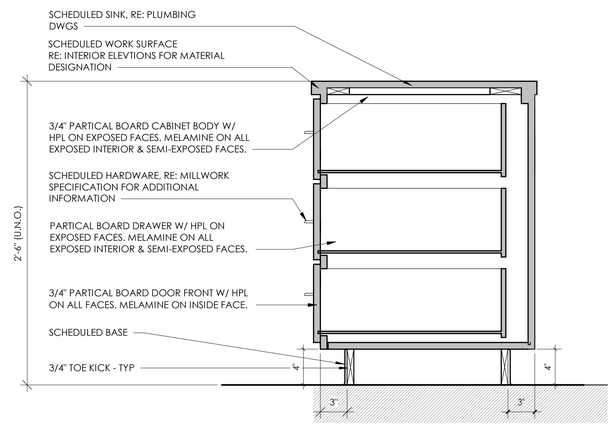
4 A804 **CASEWORK DETAIL - TYPICAL SINK BASE AT DEMONSTRATION STATION**

1 1/2" = 1'-0"



5 A804 **CASEWORK DETAIL - TYPICAL OPEN COUNTER AT DEMONSTRATION STATION**

1 1/2" = 1'-0"



6 A804 **CASEWORK DETAIL - TYPICAL 3 DRAWER BASE AT DEMONSTRATION STATION**

1 1/2" = 1'-0"

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50 FRONT ST. SUITE 102
NEWBURGH, NY 12550
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PROJECT INFORMATION

Project Number
13940.20

Client Name
NEWBURGH ENLARGED CITY SCHOOL DISTRICT

Project Name
PHASE 5: 2019 CAPITAL IMPROVEMENTS PROJECT

SED # 44-16-00-01-0-018-009

Project Address
400 Old Forge Hill Rd, New Windsor, NY 12553

REVISION SCHEDULE

#	Date	Description

SHEET INFORMATION

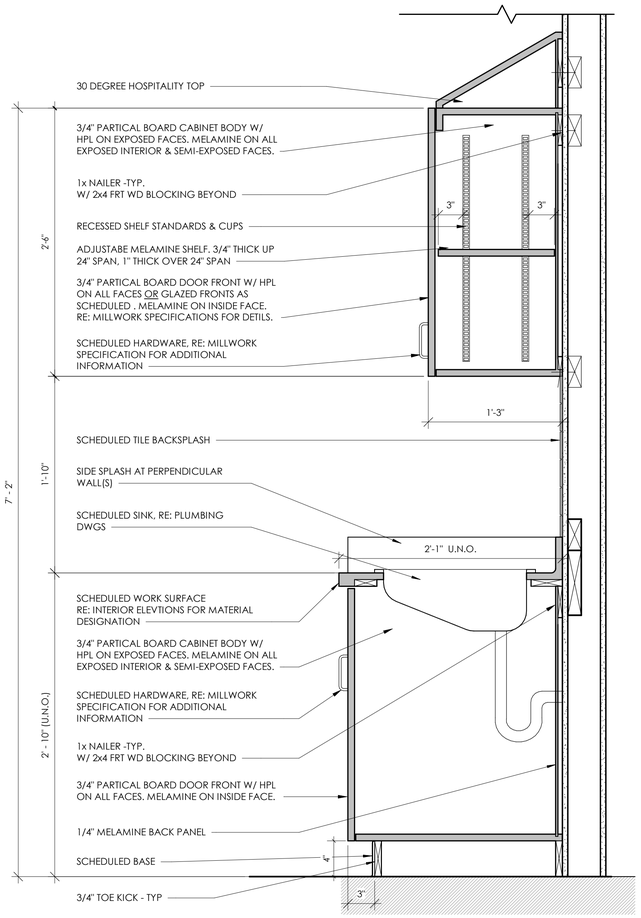
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BID DOCUMENTS

Drawn By: Author
Checked By: Checker

Drawing Title
TYPICAL CASEWORK DETAILS

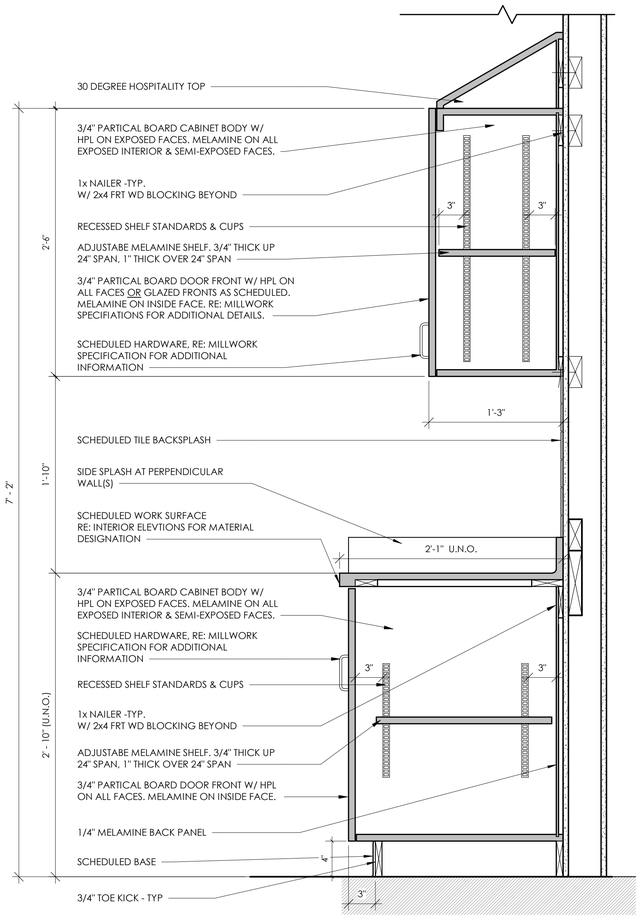
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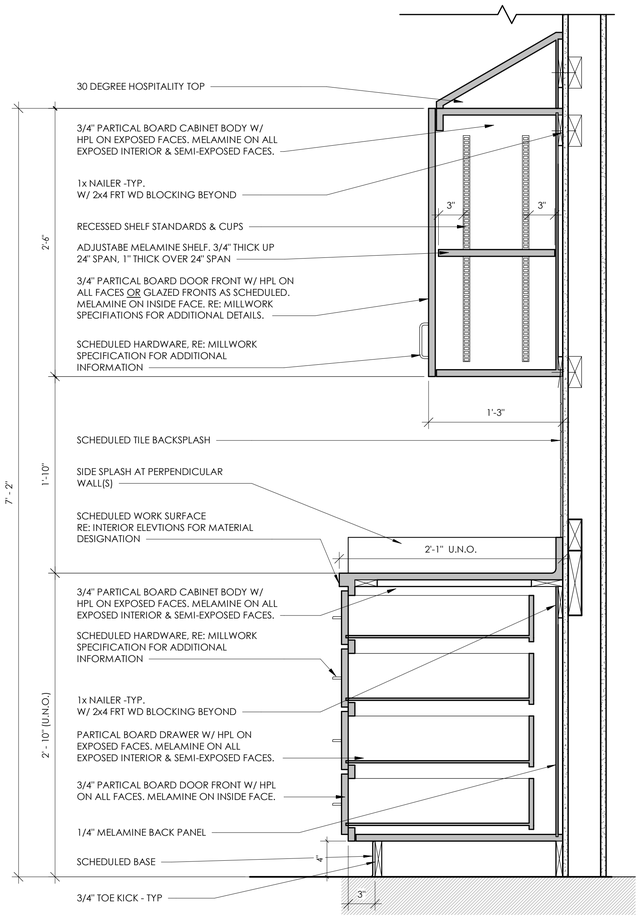
1 A805 **CASEWORK DETAIL - TYPICAL SINK BASE & UPPER CABINET**

1 1/2" = 1'-0"



2 A805 **CASEWORK DETAIL - TYPICAL BASE CABINET & UPPER CABINET**

1 1/2" = 1'-0"



3 A805 **CASEWORK DETAIL - TYPICAL 4 DRAWER BASE CABINET & UPPER CABINET**

1 1/2" = 1'-0"

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SHEET INFORMATION

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9/27/21
BID DOCUMENTS

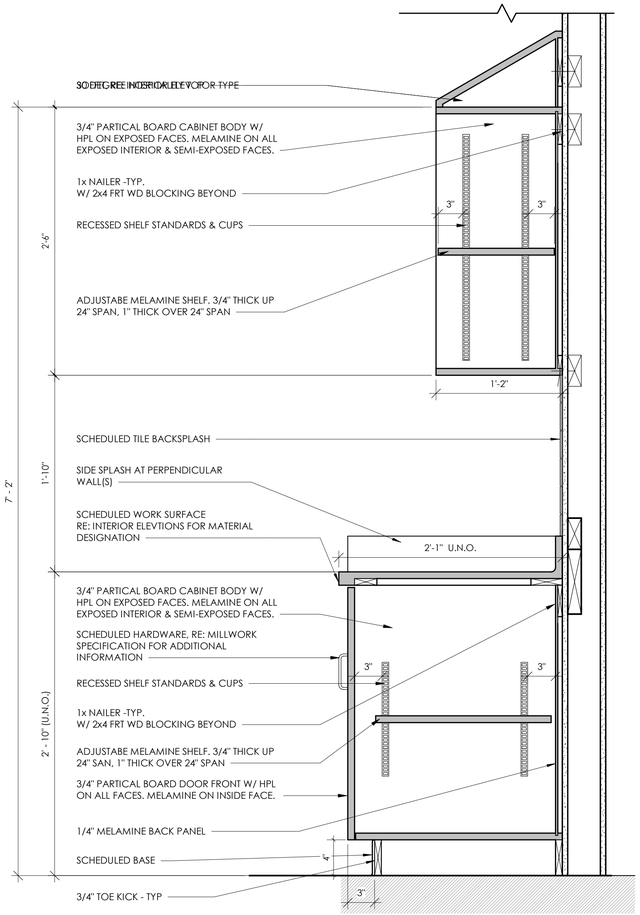
Drawn By
Author

Checked By
Checker

Drawing Title
TYPICAL CASEWORK DETAILS

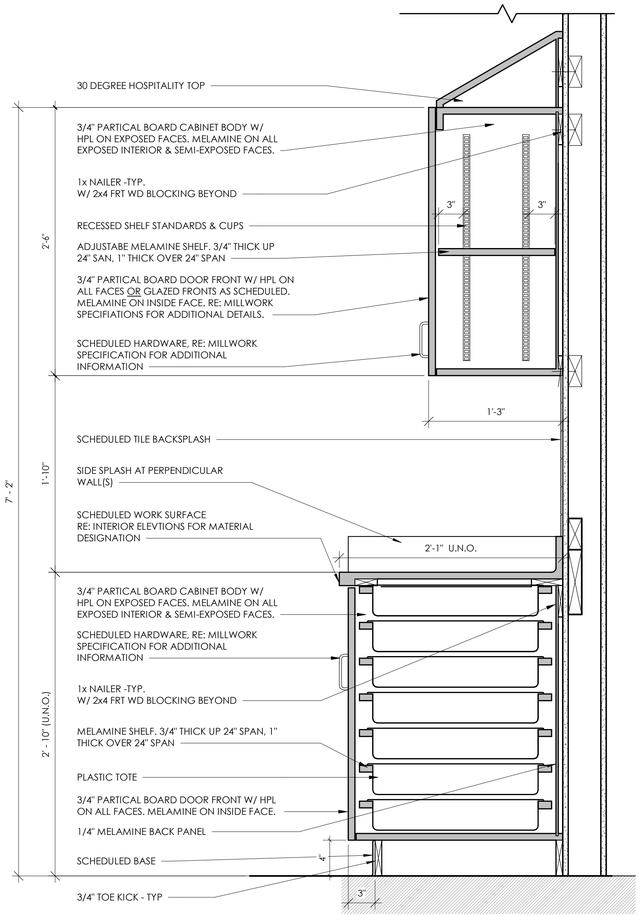
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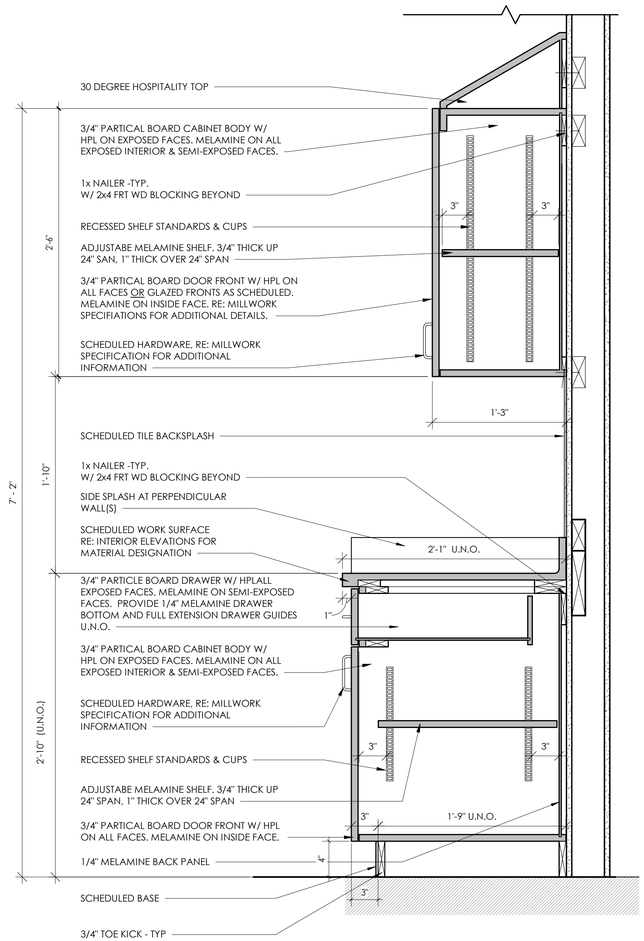
1 A806 **CASEWORK DETAIL - TYPICAL BASE CABINET & OPEN CUBBY DETAIL**

1 1/2" = 1'-0"



2 A806 **CASEWORK DETAIL - TYPICAL TOTE BASE CABINET & UPPER CABINET**

1 1/2" = 1'-0"



3 A806 **CASEWORK DETAIL - TYPICAL BASE CABINET WITH DRAWER & UPPER CABINET**

1 1/2" = 1'-0"

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#	Date	Description

SHEET INFORMATION

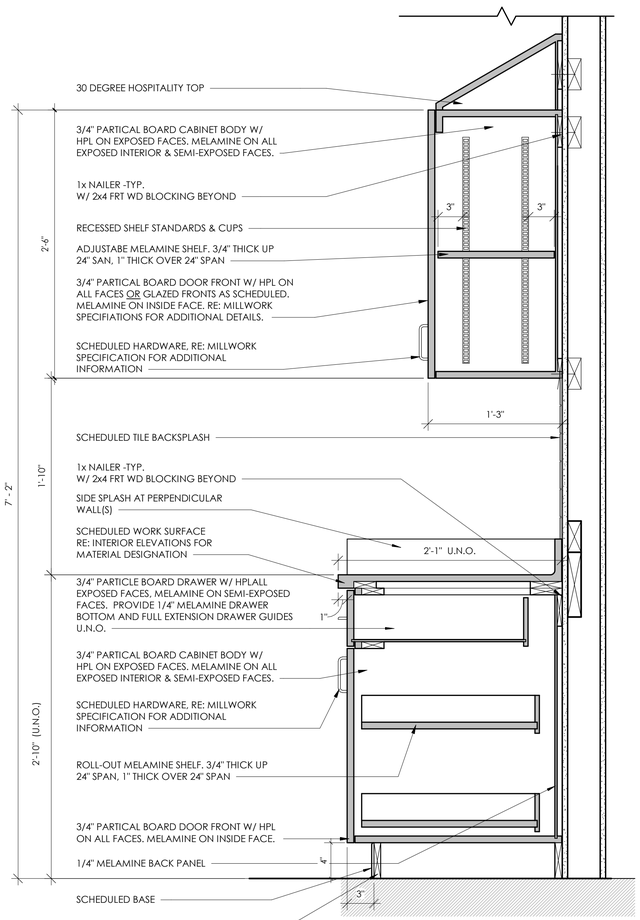
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9/27/21
BID DOCUMENTS

Drawn By: Author
Checked By: Checker

Drawing Title
TYPICAL CASEWORK DETAILS

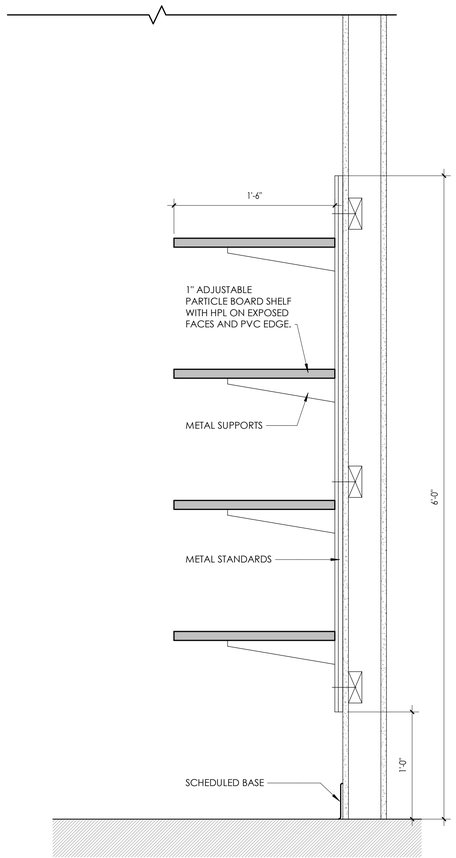
VG
A806

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1 A807 **CASEWORK DETAIL - TYPICAL ROLL-OUT DRAWER BASE CABINET & UPPER CABINET AT LIBRARY**

1 1/2" = 1'-0"



2 A807 **CASEWORK DETAIL - OPEN STORAGE**

1 1/2" = 1'-0"

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#	Date	Description

SHEET INFORMATION

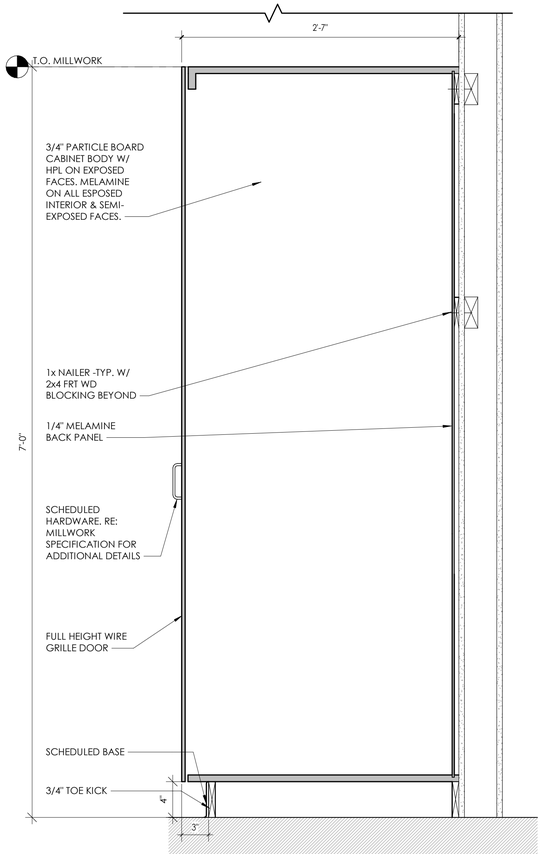
Issued
9/27/21
BID DOCUMENTS

Drawn By: Author
Checked By: Checker

Drawing Title
TYPICAL CASEWORK DETAILS

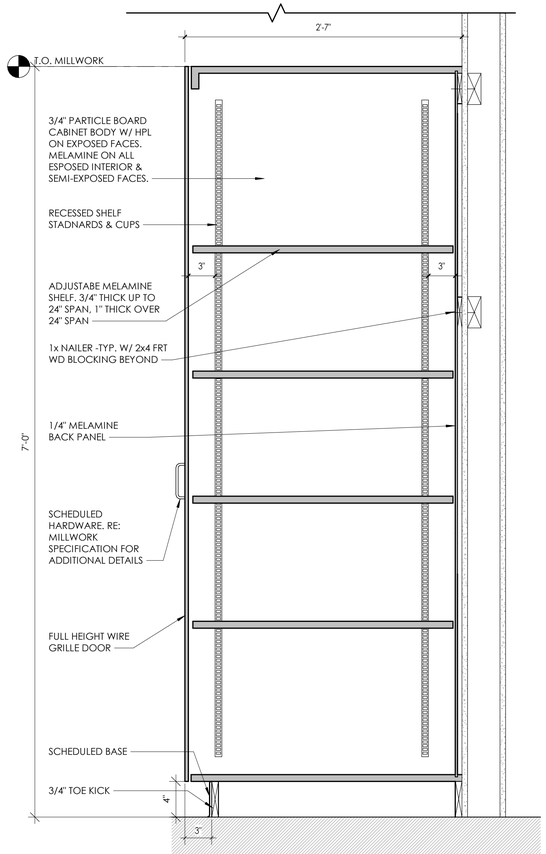
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A807

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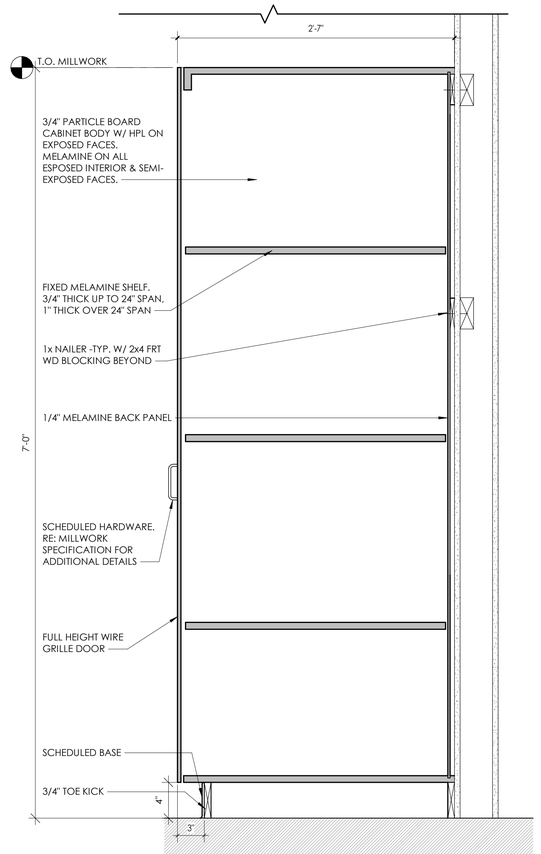
1 A808 **CASEWORK DETAIL - OPEN INSTRUMENT STORAGE CABINET**

1 1/2" = 1'-0"



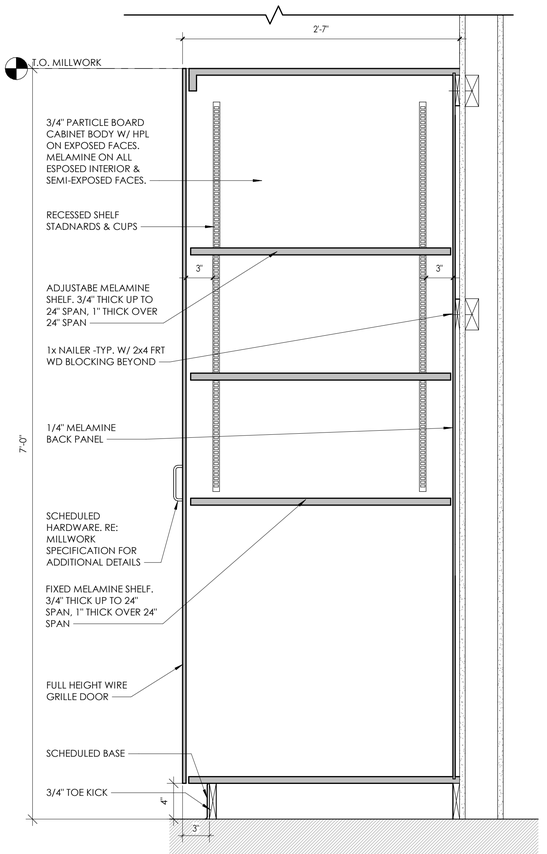
2 A808 **CASEWORK DETAIL - MEDIUM & SMALL INSTRUMENT STORAGE CABINET**

1 1/2" = 1'-0"



3 A808 **CASEWORK DETAIL - LARGE INSTRUMENT STORAGE CABINET**

1 1/2" = 1'-0"



4 A808 **CASEWORK DETAIL - MIXED-USE INSTRUMENT STORAGE CABINET**

1 1/2" = 1'-0"

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Project Name
PHASE 5: 2019 CAPITAL IMPROVEMENTS PROJECT

SED # 44-16-00-01-0-018-009

Project Address
400 Old Forge Hill Rd, New Windsor, NY 12553

REVISION SCHEDULE

#	Date	Description

SHEET INFORMATION

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Author

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Checker

Drawing Title
TYPICAL CASEWORK DETAILS

VG
A808

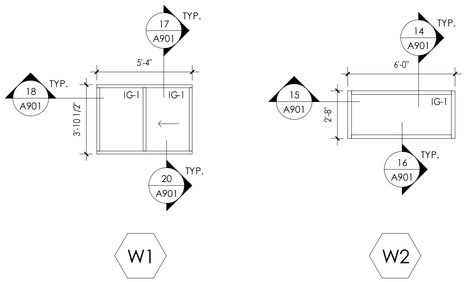
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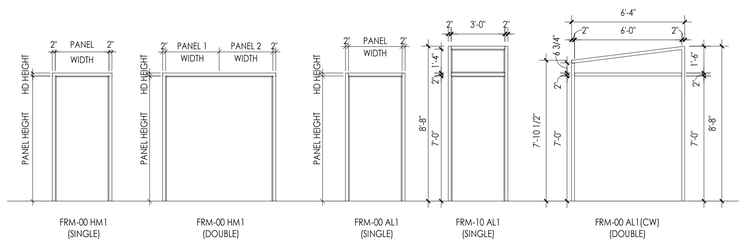
DOOR SCHEDULE- NEW

DOOR		DOOR PANELS								DOOR FRAME				DOOR			DOOR		DOOR	
		PANEL TYPE		SINGLE PANEL DIMENSIONS			TOTAL PANEL DIMENSIONS				FRAME DIMENSIONS									
DOOR NUMBER	FIRE RATING (MIN)	PANEL 1	PANEL 2	WIDTH PANEL 1	WIDTH PANEL 2	HEIGHT PANELS 1 & 2	WIDTH	HEIGHT	THICKNESS	FRAME TYPE	JAMB WIDTH	HEAD HEIGHT	FRAME DEPTH	HEAD DTL	JAMB DTL	SILL DTL	HW SET	GLAZING	COMMENTS	DOOR NUMBER
GROUND FLOOR																				
159-1	45 MIN.	PNL-F-WD		3'-0"		7'-0"	3'-0"	7'-0"	0'-1 3/4"	FRM-00HM1	0'-2"	0'-4"	0'-8 3/4"	1	2	-	6	-		159-1
161-1	45 MIN.	PNL-F-WD		3'-0"		7'-0"	3'-0"	7'-0"	0'-1 3/4"	FRM-00HM1	0'-2"	0'-4"	0'-8 3/4"	1	2	-	6	-		161-1
200-1	-	PNL-G2-AL	PNL-G2-AL	3'-0"	3'-0"	7'-0"	6'-0"	7'-0"	0'-2 1/4"	FRM-00AL(CW)	0'-0"	0'-0"	0'-4 1/2"	10	12	12.1	1	G-2		200-1
200-2	-	PNL-G-AL		3'-0"		7'-2"	3'-0"	7'-2"	0'-2 1/4"	FRM-00AL1	0'-2"	0'-2"	0'-4 1/2"	11	12	12.1	2	G-2		200-2
200A-1	2 HR	PNL-F-HM	PNL-F-HM	3'-0"	3'-0"	7'-0"	6'-0"	7'-0"	0'-1 3/4"	FRM-05HM1	0'-2"	0'-4"	0'-5 3/4"	7	8	-	4	-		200A-1
200A-2	-	PNL-G-WD	PNL-G-WD	3'-0"	3'-0"	7'-0"	6'-0"	7'-0"	0'-1 3/4"	FRM-05HM1	0'-2"	0'-4"	0'-6 3/4"	5	6	-	5	G-2		200A-2
201-1	45 MIN.	PNL-F-WD		3'-0"		7'-0"	3'-0"	7'-0"	0'-1 3/4"	FRM-00HM1	0'-2"	0'-4"	0'-6 3/4"	5	6	-	8	-		201-1
201-2	-	PNL-F-FRP	PNL-F-FRP	3'-2"	3'-2"	7'-10"	6'-4"	7'-10"	0'-1 3/4"	FRM-00AL1	0'-2"	0'-2"	0'-4 1/2"	11	12	12.1	3	-		201-2
202-1	45 MIN.	PNL-N-WD		3'-0"		7'-0"	3'-0"	7'-0"	0'-1 3/4"	FRM-00HM1	0'-2"	0'-4"	0'-6 3/4"	5	6	-	8	G-1		202-1
203-1	45 MIN.	PNL-N-WD		3'-0"		7'-0"	3'-0"	7'-0"	0'-1 3/4"	FRM-00HM1	0'-2"	0'-4"	0'-6 3/4"	5	6	-	8	G-1		203-1
204-1	45 MIN.	PNL-N-WD		3'-0"		7'-0"	3'-0"	7'-0"	0'-1 3/4"	FRM-00HM1	0'-2"	0'-4"	0'-8 3/4"	5	6	-	9	G-1		204-1
204A-1	-	PNL-F-WD		3'-0"		7'-0"	3'-0"	7'-0"	0'-1 3/4"	FRM-00HM1	0'-2"	0'-4"	0'-6 3/4"	5	6	-	10	-		204A-1
205-1	45 MIN.	PNL-N-WD		3'-0"		7'-0"	3'-0"	7'-0"	0'-1 3/4"	FRM-00HM1	0'-2"	0'-4"	0'-8 3/4"	5	6	-	9	G-1		205-1
205A-1	-	PNL-F-WD		3'-0"		7'-0"	3'-0"	7'-0"	0'-1 3/4"	FRM-00HM1	0'-2"	0'-4"	0'-6 3/4"	5	6	-	10	-		205A-1
206-1	45 MIN.	PNL-N-WD		3'-0"		7'-0"	3'-0"	7'-0"	0'-1 3/4"	FRM-00HM1	0'-2"	0'-4"	0'-6 3/4"	5	6	-	7	G-1		206-1
206A-1	-	PNL-F-WD		3'-0"		7'-0"	3'-0"	7'-0"	0'-1 3/4"	FRM-00HM1	0'-2"	0'-4"	0'-6 3/4"	5	6	-	11	-		206A-1
206B-1	-	PNL-F-WD		3'-0"		7'-0"	3'-0"	7'-0"	0'-1 3/4"	FRM-00HM1	0'-2"	0'-4"	0'-6 3/4"	5	6	-	11	-		206B-1
207-1	45 MIN.	PNL-N-WD		3'-0"		7'-0"	3'-0"	7'-0"	0'-1 3/4"	FRM-00HM1	0'-2"	0'-4"	0'-6 3/4"	5	6	-	8	G-1		207-1
207A-1	-	PNL-F-WD		3'-0"		7'-0"	3'-0"	7'-0"	0'-1 3/4"	FRM-00HM1	0'-2"	0'-2"	0'-6 3/4"	5	6	-	11	-		207A-1
207B-1	-	PNL-N-WD		3'-0"		7'-0"	3'-0"	7'-0"	0'-1 3/4"	FRM-00HM1	0'-2"	0'-4"	0'-6 3/4"	5	6	-	11	G-2		207B-1
207C-1	-	PNL-N-WD		3'-0"		7'-0"	3'-0"	7'-0"	0'-1 3/4"	FRM-00HM1	0'-2"	0'-4"	0'-6 3/4"	5	6	-	11	G-2		207C-1
208-1	45 MIN.	PNL-N-WD		3'-0"		7'-0"	3'-0"	7'-0"	0'-1 3/4"	FRM-00HM1	0'-2"	0'-4"	0'-6 3/4"	5	6	-	8	G-1		208-1
208A-1	-	PNL-N-WD		3'-0"		7'-0"	3'-0"	7'-0"	0'-1 3/4"	FRM-00HM1	0'-2"	0'-4"	0'-6 3/4"	5	6	-	11	G-2		208A-1
GROUND FLOOR (UPPER)																				
130-1	-	PNL-G-AL		3'-0"		7'-0"	3'-0"	7'-0"	0'-2 1/4"	FRM-10AL1	0'-2"	0'-2"	0'-4 1/2"	3	4	4.1	2	G-2		130-1
132-1	-	PNL-G-AL		3'-0"		7'-0"	3'-0"	7'-0"	0'-2 1/4"	FRM-10AL1	0'-2"	0'-2"	0'-4 1/2"	3	4	4.1	2	G-2		132-1
139A-1	45 MIN.	PNL-F-WD		3'-0"		7'-0"	3'-0"	7'-0"	0'-1 3/4"	FRM-00HM1	0'-2"	0'-4"	0'-8 3/4"	1	2	-	8	-		139A-1

DOOR SCHEDULE- ALTERNATE

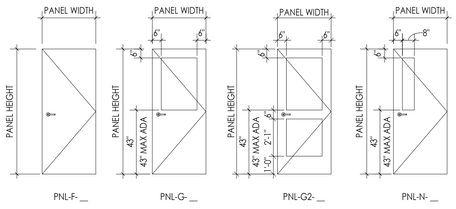
DOOR		DOOR PANELS								DOOR FRAME				DOOR			DOOR		DOOR	
		PANEL TYPE		SINGLE PANEL DIMENSIONS			TOTAL PANEL DIMENSIONS				FRAME DIMENSIONS									
DOOR NUMBER	FIRE RATING (MIN)	PANEL 1	PANEL 2	WIDTH PANEL 1	WIDTH PANEL 2	HEIGHT PANELS 1 & 2	WIDTH	HEIGHT	THICKNESS	FRAME TYPE	JAMB WIDTH	HEAD HEIGHT	FRAME DEPTH	HEAD DTL	JAMB DTL	SILL DTL	HW SET	GLAZING	COMMENTS	DOOR NUMBER
GROUND FLOOR (UPPER)																				
102A-1	-	PNL-F-WD		3'-0"		7'-0"	3'-0"	7'-0"	0'-1 3/4"	FRM-00HM1	0'-2"	0'-2"	0'-5 7/8"	13	9		12	-	ALTERNATE	102A-1
102B-1	-	PNL-F-WD		3'-0"		7'-0"	3'-0"	7'-0"	0'-1 3/4"	FRM-00HM1	0'-2"	0'-2"	0'-5 7/8"	13	9		13	-	ALTERNATE	102B-1
102C-1	-	PNL-F-WD		3'-0"		7'-0"	3'-0"	7'-0"	0'-1 3/4"	FRM-00HM1	0'-2"	0'-2"	0'-5 7/8"	13	9		13	-	ALTERNATE	102C-1
102D-1	-	PNL-F-WD		3'-0"		7'-0"	3'-0"	7'-0"	0'-1 3/4"	FRM-00HM1	0'-2"	0'-2"	0'-5 7/8"	13	9		14	-	ALTERNATE	102D-1
134-1	-	PNL-G-AL		3'-0"		7'-0"	3'-0"	7'-0"	0'-2 1/4"	FRM-10AL1	0'-2"	0'-2"	0'-4 1/2"	3	4	4.1	15	G-2	ALTERNATE	134-1





DOOR FRAME TYPES

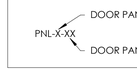
1/4" = 1'-0"



DOOR PANEL TYPES

1/4" = 1'-0"

DOOR PANEL TYPE LEGEND



DOOR AND FRAME NOTES

1. REFER TO A900S FOR DOOR & FRAME SCHEDULE
2. ALL FRAMES ARE TO RECEIVE FULL PERIMETER SEALANT. INTERIOR AND EXTERIOR
3. ALL DOOR AND WINDOW DIMENSIONS ARE TO BE VERIFIED IN FIELD PRIOR TO FABRICATION
4. SEE SCHEDULE FOR DOOR & FRAME MATERIAL

DOOR AND FRAME SCHEDULE LEGEND

NOTE: THIS LEGEND MAY CONTAIN SYMBOLS THAT ARE NOT USED IN THIS PROJECT.

DOOR OR FRAME MATERIAL

ACR	ACROVYN DOOR
ACR-L	ACROVYN LEAD LINED DOOR
ALUM	ALUMINUM
HM	HOLLOW METAL
HM-L	HOLLOW METAL LEAD LINED
IHM	INSULATED HOLLOW METAL
WD	WOOD
WD-L	WOOD LEAD LINED

DOOR OR FRAME FINISH

PTD	PAINT
ST	WOOD STAIN
DB	DARK BRONZE(ANODIZED)
SS	STAINLESS STEEL
BE	BAKED ENAMEL

WINDOW GENERAL NOTES

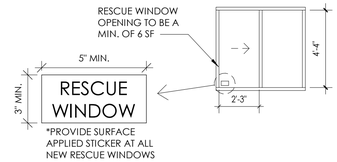
1. COORDINATE ALL FRAME SIZES, TRIM EXTRUSIONS AND SILLS WITH WALL SECTIONS AND DETAILS
2. ALL FRAMES ARE TO RECEIVE FULL PERIMETER SEALANT. INTERIOR AND EXTERIOR
3. ALL DOOR AND WINDOW DIMENSIONS ARE TO BE VERIFIED IN FIELD PRIOR TO FABRICATION
4. REFER TO DIMENSION PLANS AND WALL SECTIONS FOR MULLION LAYOUT DIMENSIONS.
5. REFER TO EXTERIOR ELEVATIONS FOR GLASS, SPANDREL AND METAL PANEL LOCATIONS.
6. SYSTEM TYPE DESIGNATIONS ARE:
   - AC - APPLIED MULLION CURTAIN WALL WINDOW SYSTEM.
   - AW - INTERIOR ALUMINUM WINDOW SYSTEM
   - CW - CURTAIN WALL WINDOW SYSTEM
   - HM - HOLLOW MENTAL WINDOW SYSTEM
   - RA - RATED ALUMINUM WINDOW SYSTEM
   - SS - STAINLESS STEEL FRAMELESS GLASS WINDOW SYSTEM
   - SF - STOREFRONT WINDOW SYSTEM
7. OPENING MARK DESIGNATION PROVIDED FOR COORDINATION OF SHOP DRAWING SUBMITTALS.

GLAZING TYPES

TYPE MARK	GLAZING DESCRIPTION
IG-1	EXTERIOR GLAZING
IG-2	EXTERIOR (INFILL) GLAZING
G-1	FIRE RESISTANCE-RATED GLAZING
G-2	MONOLITHIC SAFETY GLAZING (NON-FIRE-RATED)

REFERENCE M.P.S. S104-7

WINDOW HARDWARE SHALL BE A MAXIMUM OF 54" ABOVE FINISH FLOOR



RESCUE WINDOW LABELS:

1. BRIGHT YELLOW BACKGROUND WITH BLACK LETTERS
2. SIZE: 3 INCHES BY 5 INSHES
3. TEXT: RESCUE WINDOW READABLE FROM EACH SIDE OF THE WINDOW
4. ANY WINDOW COVERINGS MUST ALSO HAVE LABELS
5. WINDOW OPERATING INSTRUCTIONS IF NOT READILY APPARENT
6. REFER TO U001 FOR RESCUE WINDOW LOCATIONS.

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PROJECT INFORMATION

Project Number
13940.20

Client Name
NEWBURGH ENLARGED CITY SCHOOL DISTRICT

Project Name
PHASE 5: 2019 CAPITAL IMPROVEMENTS PROJECT

SED # 44-16-00-01-0-018-009

Project Address
400 Old Forge Hill Rd, New Windsor, NY 12553

REVISION SCHEDULE

#	Date	Description

SHEET INFORMATION

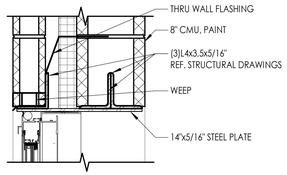
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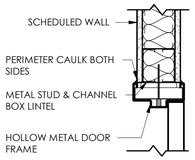
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DOOR PANELS, FRAME TYPES & SCHEDULES

VG
A900

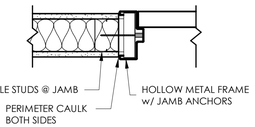
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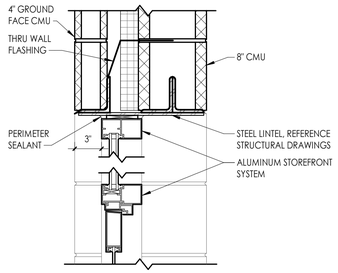
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1 1/2" = 1'-0"



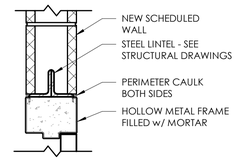
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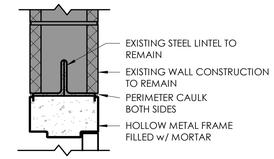
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1 1/2" = 1'-0"



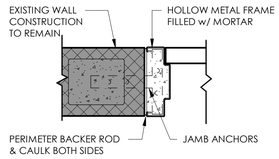
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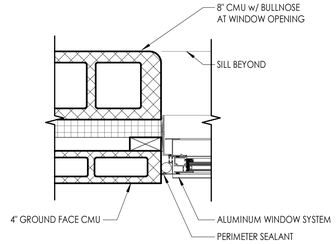
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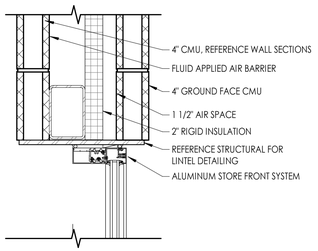
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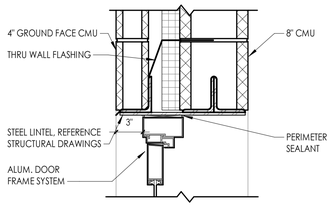
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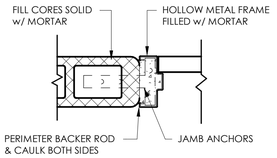
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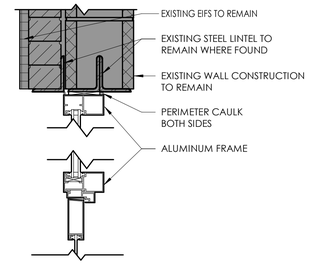
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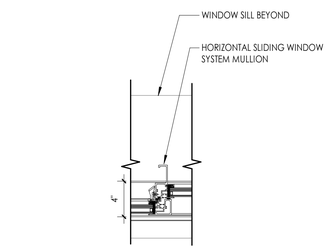
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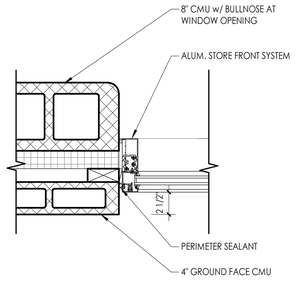
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1 1/2" = 1'-0"



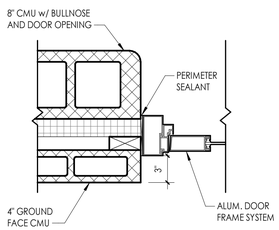
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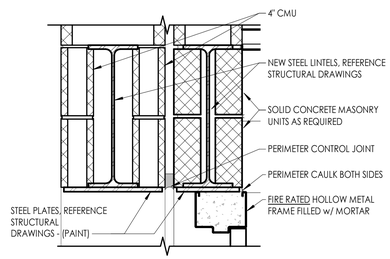
19 A901 **ADDITION - WINDOW CENTER DETAIL**
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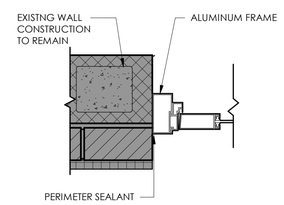
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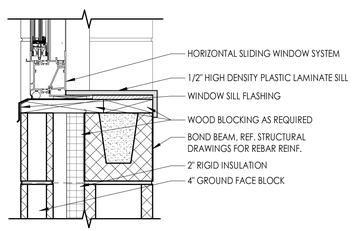
12 A901 **JAMB DETAIL**
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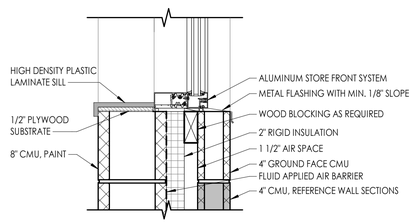
7 A901 **HEAD DETAIL**
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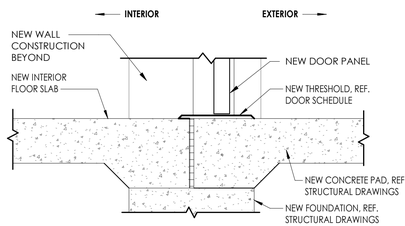
4 A901 **JAMB DETAIL**
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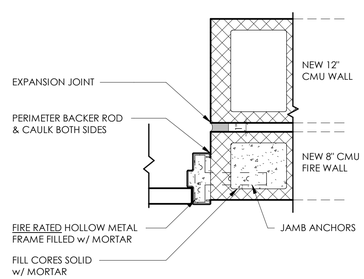
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1 1/2" = 1'-0"



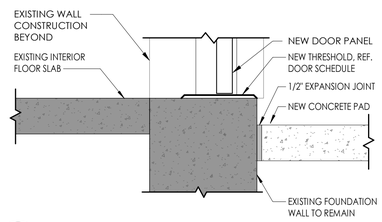
16 A901 **SILL DETAIL**
1 1/2" = 1'-0"



12.1 A901 **SILL DETAIL**
1 1/2" = 1'-0"



8 A901 **JAMB DETAIL**
1 1/2" = 1'-0"



4.1 A901 **SILL DETAIL**
1 1/2" = 1'-0"

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NEWBURGH, NY 12550
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PROJECT INFORMATION

Project Number
13940.20

Client Name
NEWBURGH ENLARGED CITY SCHOOL DISTRICT

Project Name
PHASE 5: 2019 CAPITAL IMPROVEMENTS PROJECT

SED # 44-16-00-01-0-018-009

Project Address
400 Old Forge Hill Rd, New Windsor, NY 12553

REVISION SCHEDULE

#	Date	Description

SHEET INFORMATION

Issued
9/27/21
BID DOCUMENTS

Drawn By: JPN
Checked By: PC

Drawing Title
DOOR & WINDOW DETAILS

VG
A901

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INTERIOR FINISH SCHEDULE

FINISH CODE	MANUFACTURER	PATTERN/STYLE	COLOR	SIZE	SPECIFICATIONS	NOTES
ACOUSTICAL CEILING SYSTEM (ACS)						
ACS-1	ARMSTRONG CEILING	SOUNDSCAPES BLADES 7244	COLOR MATCH SHERWIN WILLIAMS DRIFT OF MIST SW 9166	10.5" X 94" X 2"	CLASS A FIRE PREFORMANCE: 8.1 SABINS; 90% LIGHT REFLECTANCE; HUMIGUARD PLUS SG RESISTANCE; MOLD 7 MILDEW PROTECTION; 4-POINT HANGING KIT	ALTERNATE BID GC - 02: CATEFORIUM. REFER TO A600 SERIES DRAWINGS FOR INATALLATION PATTERN & DETAILS
ACS-2	ARMSTRONG CEILING	SOUNDSCAPES BLADES 7244	COLOR MATCH SHERWIN WILLIAMS IN THE NAVY SW 9178	10.5" X 94" X 2"	CLASS A FIRE PREFORMANCE: 8.1 SABINS; 90% LIGHT REFLECTANCE; HUMIGUARD PLUS SG RESISTANCE; MOLD 7 MILDEW PROTECTION; 4-POINT HANGING KIT	ALTERNATE BID GC - 02: CATEFORIUM. REFER TO A600 SERIES DRAWINGS FOR INATALLATION PATTERN & DETAILS
ACS-3	ARMSTRONG CEILING	SOUNDSCAPES BLADES 7244	COLOR MATCH SHERWIN WILLIAMS RESTRAINED GOLD SW 6129	10.5" X 94" X 2"	CLASS A FIRE PREFORMANCE: 8.1 SABINS; 90% LIGHT REFLECTANCE; HUMIGUARD PLUS SG RESISTANCE; MOLD 7 MILDEW PROTECTION; 4-POINT HANGING KIT	ALTERNATE BID GC - 02: CATEFORIUM. REFER TO A600 SERIES DRAWINGS FOR INATALLATION PATTERN & DETAILS
ACS-4	ARMSTRONG CEILING	SOUNDSCAPES BLADES 7246	COLOR MATCH SHERWIN WILLIAMS DRIFT OF MIST SW 9166	10" X 46" X 2"	CLASS A FIRE PREFORMANCE: 4.0 SABINS; 90% LIGHT REFLECTANCE; HUMIGUARD PLUS SG RESISTANCE; MOLD 7 MILDEW PROTECTION; 2-POINT HANGING KIT	ALTERNATE BID GC - 02: CATEFORIUM. REFER TO A600 SERIES DRAWINGS FOR INATALLATION PATTERN & DETAILS
ACS-5	ARMSTRONG CEILING	SOUNDSCAPES BLADES 7246	COLOR MATCH SHERWIN WILLIAMS IN THE NAVY SW 9178	10" X 46" X 2"	CLASS A FIRE PREFORMANCE: 4.0 SABINS; 90% LIGHT REFLECTANCE; HUMIGUARD PLUS SG RESISTANCE; MOLD 7 MILDEW PROTECTION; 2-POINT HANGING KIT	ALTERNATE BID GC - 02: CATEFORIUM. REFER TO A600 SERIES DRAWINGS FOR INATALLATION PATTERN & DETAILS
ACS-6	ARMSTRONG CEILING	SOUNDSCAPES BLADES 7246	COLOR MATCH SHERWIN WILLIAMS RESTRAINED GOLD SW 6129	10" X 46" X 2"	CLASS A FIRE PREFORMANCE: 4.0 SABINS; 90% LIGHT REFLECTANCE; HUMIGUARD PLUS SG RESISTANCE; MOLD 7 MILDEW PROTECTION; 2-POINT HANGING KIT	ALTERNATE BID GC - 02: CATEFORIUM. REFER TO A600 SERIES DRAWINGS FOR INATALLATION PATTERN & DETAILS
ACS-7	ARMSTRONG CEILING	SOUNDSCAPES SHAPES	COLOR MATCH SHERWIN WILLIAMS IN THE NAVY SW 9178	1'-8" X 7'-9" X 7/8"	CLASS A FIRE PERFORMANCE: 1.47 SABINS 90% LIGHT REFLECTANCE; DECK HANGING KIT	LIBRARY. REFER TO A600 SERIES DRAWINGS FOR INSTALLATION PATTERN & DETAILS.
ACS-8	ARMSTRONG CEILING	SOUNDSCAPES SHAPES	COLOR MATCH SHERWIN WILLIAMS RESTRAINED GOLD SW 6129	1'-8" X 7'-9" X 7/8"	CLASS A FIRE PERFORMANCE: 1.47 SABINS 90% LIGHT REFLECTANCE; DECK HANGING KIT	LIBRARY. REFER TO A600 SERIES DRAWINGS FOR INSTALLATION PATTERN & DETAILS.
ACOUSTICAL CEILING TILE (ACT)						
ACT-1	ARMSTRONG CEILING	ULTIMA HIGH NRC #1940	WHITE	24" x 24" x 7/8"	CLASS A FIRE PERFORMANCE: NRC .80; CAC 35; 88% LIGHT REFLECTANCE; BIOBLOCK, MILDEW & MOLD RESISTANCE; WITH 15/16" PRELUDE XL SUSPENSION SYSTEM WHITE	TYPICAL CEILING TILE
ACT-2	ARMSTRONG CEILING	CALLA SHAPES FOR DESIGNFLEX 100109	WHITE	TRAPAZOID; 24" X 48" X 1"	CLASS A FIRE PERFORMANCE: NRC .80; CAC 35; 85% LIGHT REFLECTANGE; WITH 9/16" SUPRAFINE HM SUSPENSION SYSTEM WHITE	STEAM LAB & SCIENE LAB; FIELD TILE. REFER TO REFLECTED CEILING PLAN FOR INSTALLATION PATTERN AND DETAILS
ACT-3	ARMSTRONG CEILING	CALLA SHAPES FOR DESIGNFLEX 100109	COLOR MATCH SHERWIN WILLIAMS IN THE NAVY SW 9178	TRAPAZOID; 24" X 48" X 1"	CLASS A FIRE PERFORMANCE: NRC .80; CAC 35; 85% LIGHT REFLECTANGE; WITH 9/16" SUPRAFINE HM SUSPENSION SYSTEM WHITE	STEAM LAB & SCIENE LAB; ACCENT TILE. REFER TO REFLECTED CEILING PLAN FOR INSTALLATION PATTERN AND DETAILS
ACT-4	ARMSTRONG CEILING	CALLA SHAPES FOR DESIGNFLEX 100109	COLOR MATCH SHERWIN WILLIAMS RESTRAINED GOLD SW 6129	TRAPAZOID; 24" X 48" X 1"	CLASS A FIRE PERFORMANCE: NRC .80; CAC 35; 85% LIGHT REFLECTANGE; WITH 9/16" SUPRAFINE HM SUSPENSION SYSTEM WHITE	STEAM LAB & SCIENE LAB; ACCENT TILE. REFER TO REFLECTED CEILING PLAN FOR INSTALLATION PATTERN AND DETAILS
ACT-5	ARMSTRONG CEILING	CALLA SHAPES FOR DESIGNFLEX 100101	WHITE	TRIANGLE: 24" X 24' X 1"	CLASS A FIRE PERFORMANCE: NRC .80; CAC 35; 85% LIGHT REFLECTANGE; WITH 9/16" SUPRAFINE HM SUSPENSION SYSTEM WHITE	STEAM LAB & SCIENE LAB; FIELD TILE. REFER TO REFLECTED CEILING PLAN FOR INSTALLATION PATTERN AND DETAILS
ACT-6	ARMSTRONG CEILING	CALLA SHAPES FOR DESIGNFLEX 100101	COLOR MATCH SHERWIN WILLIAMS IN THE NAVY SW 9178	TRIANGLE: 24" X 24' X 1"	CLASS A FIRE PERFORMANCE: NRC .80; CAC 35; 85% LIGHT REFLECTANGE; WITH 9/16" SUPRAFINE HM SUSPENSION SYSTEM WHITE	STEAM LAB & SCIENE LAB; ACCENT TILE. REFER TO REFLECTED CEILING PLAN FOR INSTALLATION PATTERN AND DETAILS
ACT-7	ARMSTRONG CEILING	CALLA SHAPES FOR DESIGNFLEX 100101	COLOR MATCH SHERWIN WILLIAMS RESTRAINED GOLD SW 6129	TRIANGLE: 24" X 24' X 1"	CLASS A FIRE PERFORMANCE: NRC .80; CAC 35; 85% LIGHT REFLECTANGE; WITH 9/16" SUPRAFINE HM SUSPENSION SYSTEM WHITE	STEAM LAB & SCIENE LAB; ACCENT TILE. REFER TO REFLECTED CEILING PLAN FOR INSTALLATION PATTERN AND DETAILS
ACT-8	ARMSTRONG CEILING	ULTIMA HIGH NRC # 1991	WHITE	12" X 60" X 3/4"	CLASS A FIRE PERFORMANCE: NRC .65; CAC 35; 88% LIGHT REFLECTANCE; BIOBLOCK, MILDEW & MOLD RESISTANCE; WITH 15/16" PRELUDE XL SUSPENSION SYSTEM WHITE. PROVIDE 4' AXIOM VECTOR INVERTED TRIM AND DECK HANGING KIT.	NEW ADDITION. REFER TO REFLECTED CEILING PLAN FOR INSTALLATION PATTERN AND DETAIL.
ACOUSTICAL WALL PANEL (AWP)						
AWP-1	MDC	ZINTRA ACOUSTICAL TEXTURE: TRAPPE	TBD	SEE ELEVATIONS	CLASS A FIRE PREFORMANCE: 100% POLYESTER; 0.45 - 0.95 NRC	CAFETORIUM
AWP-2	KINETICS	HARDSIDE ACOUSTICAL WALL PANELS	GUILFORD OF MAINE - MEANDER 2660 - SAND BAR 020	12" X 48" X 1"	CLASS A FIRE PERFORMANCE: .80 NRC; SQUARE EDGE	MUSIC & VOCAL CLASSROOMS
AWP-3	KINETICS	HARDSIDE ACOUSTICAL WALL PANELS	GUILFORD OF MAINE - MEANDER 2660 - PEBBLE 030	12" X 48" X 1"	CLASS A FIRE PERFORMANCE: .80 NRC; SQUARE EDGE	MUSIC & VOCAL CLSSROOMS
AWP-4	KINETICS	HARDSIDE ACOUSTICAL WALL PANELS	GUILFORD OF MAINE - MEANDER 2660 - LAKE 040	12" X 48" X 1"	CLASS A FIRE PERFORMANCE: .80 NRC; SQUARE EDGE	MUSIC & VOCAL CLASROOMS
CARPET (CPT)						
CPT-1	SHAW CONTRACT	LIVING SYSTEMS COLLECTION SOURCE TILE	05105 OPTIMISTIC	9" X 36" PLANK	CLASS 1:SOULTION DYED; 0.29" TOTAL THICKNESS; MULTI-LEVEL PATTERN LOOP; SYNTHETIC PRIMARY BACKING; ECOWORX TILE SECONDARY BACKING; >450 SMOKE DENSITY; >3.5 KV ELECTROSTATIC PROPENSITY; PASSES PILL TEST	FIELD TILE; LIBRARY & NEW ADDITION. INSTALL IN ASHLAR INSTALLATION METHOD UNLESS OTHERWISE NOTED. REFER TO I300 SERIES DRAWINGS FOR PATTERNING DETAILS
CPT-2	SHAW CONTRACT	LIVING SYSTEMS COLLECTION SOURCE TILE	05557 WILD	9" X 36" PLANK	CLASS 1:SOULTION DYED; 0.29" TOTAL THICKNESS; MULTI-LEVEL PATTERN LOOP; SYNTHETIC PRIMARY BACKING; ECOWORX TILE SECONDARY BACKING; >450 SMOKE DENSITY; >3.5 KV ELECTROSTATIC PROPENSITY; PASSES PILL TEST	ACCENT TILE; LIBRARY INSTALL IN ASHLAR INSTALLATION METHOD UNLESS OTHERWISE NOTED. REFER TO I300 SERIES DRAWINGS FOR PATTERNING DETAILS
CPT-3	SHAW CONTRACT	LIVING SYSTEMS COLLECTION SOURCE TILE	05225 OCHRE	9" X 36" PLANK	CLASS 1:SOULTION DYED; 0.29" TOTAL THICKNESS; MULTI-LEVEL PATTERN LOOP; SYNTHETIC PRIMARY BACKING; ECOWORX TILE SECONDARY BACKING; >450 SMOKE DENSITY; >3.5 KV ELECTROSTATIC PROPENSITY; PASSES PILL TEST	ACCENT TILE; LIBRARY & NEW ADDITION. INSTALL IN ASHLAR INSTALLATION UNLESS OTHERWISE NOTED. REFER TO I300 SERIES DRAWINGS FOR PATTERNING DETAILS
CPT-4	SHAW CONTRACT	LIVING SYSTEMS COLLECTION SOURCE TILE	05326 NATURE	9" X 36" PLANK	CLASS 1:SOULTION DYED; 0.29" TOTAL THICKNESS; MULTI-LEVEL PATTERN LOOP; SYNTHETIC PRIMARY BACKING; ECOWORX TILE SECONDARY BACKING; >450 SMOKE DENSITY; >3.5 KV ELECTROSTATIC PROPENSITY; PASSES PILL TEST	ACCENT TILE; LIBRARY INSTALL IN ASHLAR INSTALLATION METHOD UNLESS OTHERWISE NOTED. REFER TO I300 SERIES DRAWINGS FOR PATTERNING DETAILS
CPT-5	SHAW CONTRACT	LIVING SYSTEMS COLLECTION SOURCE TILE	05405 OCEANS	9" X 36" PLANK	CLASS 1:SOULTION DYED; 0.29" TOTAL THICKNESS; MULTI-LEVEL PATTERN LOOP; SYNTHETIC PRIMARY BACKING; ECOWORX TILE SECONDARY BACKING; >450 SMOKE DENSITY; >3.5 KV ELECTROSTATIC PROPENSITY; PASSES PILL TEST	ACCENT TILE; LIBRARY INSTALL IN ASHLAR INSTALLATION METHOD UNLESS OTHERWISE NOTED. REFER TO I300 SERIES DRAWINGS FOR PATTERNING DETAILS
CPT-6	SHAW CONTRACT	LIVING SYSTEMS COLLECTION SOURCE TILE	05486 SKIES	9" X 36" PLANK	CLASS 1:SOULTION DYED; 0.29" TOTAL THICKNESS; MULTI-LEVEL PATTERN LOOP; SYNTHETIC PRIMARY BACKING; ECOWORX TILE SECONDARY BACKING; >450 SMOKE DENSITY; >3.5 KV ELECTROSTATIC PROPENSITY; PASSES PILL TEST	ACCENT TILE; LIBRARY INSTALL IN ASHLAR INSTALLATION METHOD UNLESS OTHERWISE NOTED. REFER TO I300 SERIES DRAWINGS FOR PATTERNING DETAILS
EPOXY PAINT (EPT)						
EPT-1	SHERWIN WILLIAMS	PROINDUSTRIAL WATER BASED CATALYZED EPOXY	SW 9166 DRIFT OF MIST	N/A	PREP DRYWALL SUBSTRATES WITH PRO MAR 200 PRIMER. PREP CMU SUBSTRATES WITH PREP RITE BLOCK FILLER.	TOILET ROOMS
EPT-2	SHERWIN WILLIAMS	PROINDUSTRIAL WATER BASED CATALYZED EPOXY	SW 7065 ARGOS	N/A	PREP DRYWALL SUBSTRATES WITH PRO MAR 200 PRIMER. PREP CMU SUBSTRATES WITH PREP RITE BLOCK FILLER.	CAFETORIUM
GROUT (GRT)						
GRT-1	LATICRETE	SPECTRALOCK PRO	89 SMOKE GRAY	JOINT SIZE DETERMINDED BY TILE, NOT TO EXCEED 1/4"		AT ALL TILE LOCATION
HIGH PRESSURE PLASTIC LAMINATE (HPL)						
HPL-1	WILSONART	AEON SCRATCH RESISTANT	MISSION MAPLE 7990-38	N/A	GRAIN TO RUN VERTICALLY.	VERTICAL; CASEWORK
HPL-2	WILSONART	AEON SCRATCH RESISTANT	MISTED ZEPHYR 4843-60	N/A		HORIZONTAL; COUNTERTOPS
LUXURY VINYL TILE (LVT)						
LVT-1	ARMSTRONG FLOORING	DUO	ST514 MIXER 2 CLUB SODA	6" X 36" PLANK	CLASS III: TYPE B EMBOSSED SURFACE: 0.5MM WEAR LAYER; 2.5 MM OVERALL THICKNESS: DIAMOND 10 FACTORY FINISH: 20 YEAR LIMITED OMMERCIAL WARRANTY	FIELD TILE: INSTALL IN ASHLAR INSTALLATION METHOD UNLESS OTHERWISE NOTED. REFER TO I300 SERIES DRAWINGS FOR PATTERNING PLANS.
LVT-2	ARMSTRONG FLOORING	THEOREM	ST951 ALCHEMY GELENA	6" X 36" PLANK	CLASS III: TYPE B EMBOSSED SURFACE: 0.5MM WEAR LAYER; 2.5 MM OVERALL THICKNESS: DIAMOND 10 FACTORY FINISH: 20 YEAR LIMITED OMMERCIAL WARRANTY	ACCENT TILE: INSTALL IN ASHLAR INSTALLATION METHOD UNLESS OTHERSIDE NOTED. REFER TO I300 SERIES DRAWINGS FOR PATTERNING PLANS.
LVT-3	ARMSTRONG FLOORING	THEOREM	ST915 ALCHEMY MOSAIC GOLD	6" X 36" PLANK	CLASS III: TYPE B EMBOSSED SURFACE: 0.5MM WEAR LAYER; 2.5 MM OVERALL THICKNESS: DIAMOND 10 FACTORY FINISH: 20 YEAR LIMITED OMMERCIAL WARRANTY	ACCENT TILE: INSTALL IN ASHLAR INSTALLATION METHOD UNLESS OTHERSIDE NOTED. REFER TO I300 SERIES DRAWINGS FOR PATTERNING PLANS.
LVT-4	ARMSTRONG FLOORING	THEOREM	ST919 ALCHEMY FLOURITE	6" X 36" PLANK	CLASS III: TYPE B EMBOSSED SURFACE: 0.5MM WEAR LAYER; 2.5 MM OVERALL THICKNESS: DIAMOND 10 FACTORY FINISH; 20 YEAR LIMITED OMMERCIAL WARRANTY	ACCENT TILE: INSTALL IN ASHLAR INSTALLATION METHOD UNLESS OTHERSIDE NOTED. REFER TO I300 SERIES DRAWINGS FOR PATTERNING PLANS.
LVT-5	ARMSTRONG FLOORING	THEOREM	ST946 ALCHEMY CASSIUS PURPLE	6" X 36" PLANK	CLASS III: TYPE B EMBOSSED SURFACE: 0.5MM WEAR LAYER; 2.5 MM OVERALL THICKNESS: DIAMOND 10 FACTORY FINISH: 20 YEAR LIMITED OMMERCIAL WARRANTY	ACCENT TILE: INSTALL IN ASHLAR INSTALLATION METHOD UNLESS OTHERSIDE NOTED. REFER TO I300 SERIES DRAWINGS FOR PATTERNING PLANS.

INTERIOR FINISH SCHEDULE

FINISH CODE	MANUFACTURER	PATTERN/STYLE	COLOR	SIZE	SPECIFICATIONS	NOTES
PAINT (PT)						
PT-1	SHERWIN WILLIAMS	PRO MAR 200	SW 9166 DRIFT OF MIST	N/A	ZERO VOC; EGGSHELL FINISH; PREP CMU SUBSTRATES WITH PREP RITE BLOCK FILLER	FIELD COLOR
PT-2	SHERWIN WILLIAMS	PRO MAR 200	SW 9178 IN THE NAVY	N/A	ZERO VOC; EGGSHELL FINISH; PREP CMU SUBSTRATES WITH PREP RITE BLOCK FILLER	ACCENT COLOR
PT-3	SHERWIN WILLIAMS	PRO MAR 200	SW 6129 RESTRAINED GOLD	N/A	ZERO VOC; EGGSHELL FINISH; PREP CMU SUBSTRATES WITH PREP RITE BLOCK FILLER	ACCENT COLOR
PT-4	SHERWIN WILLIAMS	PRO MAR 200	SW 7650 ELLIE GRAY	N/A	ZERO VOC; EGGSHELL FINISH WHEN APPLIED AS ACCENT COLOR. SEMI-GLOSS FINISH WHEN APPLIED TO HM DOORS & FRAMES; PREP CMU SUBSTRATES WITH PREP RITE BLOCK FILLER	ACCENT COLOR & TYPICAL HM DOOR AND FRAME COLOR
PT-5	SHERWIN WILLIAMS	PRO MAR 200	SW 6243 DISTANCE	N/A	ZERO VOC; EGGSHELL FINISH; PREP CMU SUBSTRATES WITH PREP RITE BLOCK FILLER	SPEECH/ENL/PSYCHOOGY
PT-6	SHERWIN WILLIAMS	PRO MAR 200	SW 7007 CEILING BRIGHT WHITE	N/A	ZERO VOC; EGGSHELL FINISH; PREP CMU SUBSTRATES WITH PREP RITE BLOCK FILLER	TYPICAL GWB CEILING COLOR
PT-7	SHERWIN WILLIAMS	PRO MAR 200	SW 6990 CAVIAR	N/A	ZERO VOC; EGGSHELL FINISH; PREP CMU SUBSTRATES WITH PREP RITE BLOCK FILLER	STAGE ROOF DECK
RESILIENT BASE (RB)						
RB-1	TARKET	TRADITIONAL WALL BASE	92 BLUE LAGOON	4" HIGH	CLASS B < 450 SMOKE DENSITY; CLASS 1 RADIANT PANEL; PROVIDE IN 120' COILS	TYPICAL WALL BASE
RB-2	TARKET	TRADITIONAL WALL BASE	40 BLACK B	4" HIGH	CLASS B < 450 SMOKE DENSITY; CLASS 1 RADIANT PANEL; PROVIDE IN 120' COILS	WALL BASE AT CORRIDOR INFILLS
SEALED CONCRETE (SCON)						
SCON-1	PER SPECS					CUSTODIAN/RECEIVING
SHEET VINYL (SV)						
SV-1	ARMSTRONG FLOORING	MEDINTECH WITH DIAMOND 10	84880 DAHLIA SKY	6'-7" WIDE	PROVIDE WITH DIAMOND 10 COATING; NO POLISH/NO BUFF; CLASS 1 FLAME SPREAD; > 450 SMOKE DENSITY; O.5 STATIC COEFFICIENT OF FRICTION	NURSE'S SUITE
SOLID SURFACE MATERIAL (SSM)						
SSM-1	CORIAN	N/A	PEARL GRAY	N/A	CLASS A; FLAME SPREAD INDEX <25, SMOKE DEVELOPMENT INDEX <25	TYPICAL SILL FINISH
SSM-2	CORIAN	N/A	ANTARCTICA	N/A	CLASS A; FLAME SPREAD INDEX <25, SMOKE DEVELOPMENT INDEX <25	NURSE'S SUITE & DEMONSTRATION STATION COUNTERTOPS
STATIC DISSIPATIVE TILE (SDT)						
SDT-1	ARMSTRONG FLOORING	EXCELON SDT	51957 RIDGE	12" X 12" X 1/8"	CLASS 2 THROUGH PATTERN: FAST START FACTORY FINISH: 75 PSI INSTALL QUARTER TURNED	SERVER ROOMS
TILE - BASE (TB)						
TB-1	DALTILE	COLOR WHEEL COLLECTION	X714 MATTE DESERT GRAY	3" X 6" SOVE BASE	C650 CHEMICAL RESISTANT; MOHS 4.0 - 6.0; INSTALL WITH 1/16" GROUT JOINT	TYPICAL TILE COVE BASE
TILE - FLOOR (TF)						
TF-1	DALTILE	KEYSTONES MOSAIC	DK21 WHEAT BLEND	2" X 2" MOSAIC (12" X 24" SHEET)	C650 CHEMICAL RESISTANT; DCOF > 0.42; INSTALL WITH 1/8" GROUT JOINT	TYPICAL FLOOR TILE
TILE - WALL (TW)						
TW-1	DALTILE	COLOR WHEEL COLLECTION	X714 MATTE DESERT GRAY	3" X 6" X 5/16"	C650 CHEMICAL RESISTANT; MOHS 4.0 - 6.0; INSTALL WITH 1/16" GROUT JOINT	FIELD WALL TILE: REFER TO I001 FOR INSTALLATION METHOD & PATTERNINNG
TW-2	DALTILE	COLOR WHEEL COLLECTION	K189 GLOSS NAVY	3" X 6" X 5/16"	C650 CHEMICAL RESISTANT; MOHS 4.0 - 6.0; INSTALL WITH 1/16" GROUT JOINT	ACCENT WALL TILE: REFER TO I000 FOR INSTALLATION METHOD & PATTERNING
TW-3	DALTILE	COLOR WHEEL COLLECTION	0780 MATTE CHALKBOARD	3" X 6" X 5/16"	C650 CHEMICAL RESISTANT; MOHS 4.0 - 6.0; INSTALL WITH 1/16" GROUT JOINT	ACCENT WALL TILE: REFER TO I000 FOR INSTALLATION METHOD & PATTERNING
TRANSITION (TS)						
TS-1	SCHLUTER SYSTEMS	VINPRO-T	ANODIZED ALUMINUM	AS REQUIRED TO MEET FLOORING THICKNESS		LVT/SDT TO ETR FLOORING
TS-2	TARKETT	1/8" TO 0.080" MATERIAL CTA-XX-N	92 BLUE LAGOON	AS REQUIRED TO MEET FLOORING THICKNESS		SV TO ETR FLOORING
TS-3	SCHLUTER SYSTEMS	RENO-U	ANODIZED ALUMINUM	AS REQUIRED TO MEET FLOORING THICKNESS		TF TO LVT/SV/ETR FLOORING
TS-4	TARKETT	1/4" TO 1/8" MATERIAL SLIMLINE PROFILE SLT-XX-A	71 STORM CLOUD	AS REQUIRED TO MEET FLOORING THICKNESS		WOC/CPT TO LVT/ETR FLOORING
TS-5	SCHLUTER SYSTEMS	VINPRO-U	ANODIZED ALUMINUM	AS REQUIRED TO MEET FLOORING THICKNESS		LVT TO SCON
TRIM (TR)						
TR-1	SCHLUTER	JOLLY	ANODIZED ALUMINUM	AS REQUIRED TO MEET TILE THICKNESS		EXPOSED EDGES & OUTSIDE CORNERS
TR-2	SCHLUTER	DILEX-AHKA	ANODIZED ALUMINUM	AS REQUIRED TO MEET TILE THICKNESS		COVE AT CAFETORIUM WLL TILE
WALL COVERING (WC)						
WC	SEE SCHEDULE ON I002	SEE SCHEDULE ON I002	SEE SCHEDULE ON I002	SEE SCHEDULE ON I002	REFER TO DIGITAL GRAPHICS SCHEDULE; MANUFACTURER TO CREATE A GRAPHIC IMAGE & DESIGN IN COORDINATION WITH OWNER & ARCHITECT. EACH AREA WILL BE DESIGNED SEPARATELY WITH A UNIQUE DESIGN. SIZE WILL VARY. GC TO PROVIDE FIELD MEASUREMENTS. PAINT ALL WALLS FULL HEIGHT, AS SCHEDULED.	SEE SCHEDULE ON I002
WINDOW TREATMENT (WT)						
WT-1	DRAPERY INDUSTRIES OR EQUAL	E SCREEN	PEARL/GRAY #007001 1% OPENNESS	FULL RANGE; WIDTH VARIES; G.C. TO VERIFY IN FIELD	BLUESHADE MANUAL CLUTCH w/ 4" SQ. FASCIA. ANODIZED ALUMINUM; T-SCREEN	TYPICAL WINDOW TREATMENT
WT-2	DRAPERY INDUSTRIES OR EQUAL	E SCREEN	PEARL/GRAY #007001 1% OPENNESS	FULL RANGE; WIDTH VARIES; G.C. TO VERIFY IN FIELD	BLUESHADE ARC MOTORIZED ROLLER SHADE w/ 4" SQ. FASCIA ANODIZED ALUMINUM, AS NEEDED; T-SCREEN 3% SHADE CLOTH; FULL RANGE; REFER TO E SERIES FOR ADDITIONAL INFORMATION.	CAFETORIUM
WRITABLE SURFACE (WS)						
WS-1	KOROSEAL OR EQUAL	WALL TALKERS MAG-RITE 59	NATURAL WHITE M259-00	59", LENGTH AS REQUIRED PER DRAWINGS. REFER TO ELEVATIONS	CLASS A, TYPE II. WOVEN BACKING; MODERATE GLASS FINISH; STRAIGHT MATCH PATTERN	

FINISH PLAN GENERAL NOTES

1. ALL NEW AND EXISTING HOLLOW METAL DOORS, DOOR FRAMES AND WINDOW FRAMES IN PROJECT SCOPE SHALL BE PAINTED (PT-4), UNLESS NOTED OTHERWISE (U.N.O.).
2. ALL LOUVERS, VENTS, GRILLES AND OTHER MISCELLANEOUS MECHANICAL AND ELECTRICAL DEVICES ARE TO BE PAINTED TO MATCH THE SURFACE ON WHICH THEY APPEAR, UNLESS NOTED OTHERWISE (U.N.O.).
3. REFER TO A600 SERIES DRAWINGS FOR CEILING TYPES AND SOFFIT FINISHES.
4. UNDERSIDE OF SOFFITS TO MATCH FACE OF SOFFIT. SEE A600 SERIES FOR PAINT ACCENT SPECIFICATIONS. TYPIAL GWB CEILINGS TO RECEIVE PAINT (PT-6).
5. REFER TO A700 SERIES INTERIOR ELEVATIONS FOR MILLWORK FINISHES.
6. HIGH PRESSURE PLASTIC LAMINATE ON VERTICAL SURFACES TO RUN VERTICALLY, UNLESS NOTED OTHERWISE (U.N.O.).
7. REFER TO I300s FOR FLOOR PATTERNING PLANS & DETAILS.
8. ALL FLOOR FINISHES SHALL TRANSITION AT THE CENTERLINE OF THE DOOR, UNLESS NOTED OTHERWISE (U.N.O.). INSTALL TRANSITION STRIPS PER DETAILS ON I001.
9. ALL GROUT TO BE SEALED A MINIMUM OF TWO TIMES PRIOR TO COMPLETION.
10. WHERE KICKSPACES OCCUR AT MILLWORK, FLOOR FINISH SHOWN ON PLANS SHALL RUN UNDERNEATH KICKSPACE AS WELL.

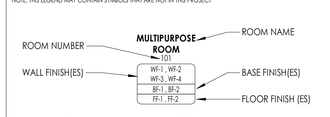
FINISH ABBREVIATIONS

NOTE: THIS LEGEND MAY CONTAIN ABBREVIATIONS THAT ARE NOT IN THIS PROJECT

ACT	ACOUSTICAL CEILING TILE	RB	RESILIENT BASE
AWP	ACOUSTICAL WALL PANEL	RS	RESILIENT SHEET
CG	CORNER GUARD	RST	RESILIENT STAIR TREAD
CPT	CARPET	RT	RESILIENT TILE
DG	DIGITAL GRAPHIC	SCON	SEALED CONCRETE
DWC	DIGITAL WALL COVERING	SF	SPORTS FLOORING
EPT	EPOXY PAINT	SN	STAIR NOSING & RISER
ERF	EPOXY RESIN FLOOR	SSM	SOLID SURFACE MATERIAL
ETR	EXISTING TO REMAIN	SV	SHEET VINYL
EXP	EXPOSED	TB	TILE BASE
GRT	GROUT	TER	TERRAZZO
HPL	HIGH PRESSURE PLASTIC LAMINATE	TF	TILE FLOOR
HR	HAND RAIL	TS	TRANSITION STRIP
INT	INTEGRAL	TW	TILE WALL
LVT	LUXURY VINYL TILE	VCT	VINYL COMPOSITION TILE
PT	PAINT	WF	WINDOW FILM
PTM	PATCH TO MATCH	WOC	WALK OFF CARPET
QB	QUARRY TILE BASE	WS	WRITEABLE SURFACE
QT	QUARRY TILE	WT	WINDOW TREATMENT

FINISH PLAN SYMBOLS LEGEND

NOTE: THIS LEGEND MAY CONTAIN SYMBOLS THAT ARE NOT IN THIS PROJECT



FINISH PLAN KEY NOTES

1. PROVIDE 3-COLOR PATTERN CERAMIC WALL TILE WAINSCOT UP TO 5'-0" AFF WITH EPOXY PAINT (EPT-1) ABOVE. REFER TO TYPICAL TILE PATTERN 'A' ON I001 FOR DETAILS.
2. PROVIDE 3-COLOR PATTERN CERAMIC WALL TILE +/- 7'-6" AFF FULL LENGTH OF WALL. EXISTING WOOD TRIM ABOVE TO RECEIVE (PT-2). WALL ABOVE TO RECEIVE (PT-1). REFER TO TILE PATTERN 'B' ON I001 FOR DETAILS.
3. PROVIDE 3-COLOR LVT FLOORING WITH RESILIENT BASE. REFER TO I300 SERIES FOR FLOOR PATTERN PLANS.
4. PROVIDE 6-COLOR CPT FLOORING WITH RESILIENT BASE. REFER TO I300 SERIES FOR FLOOR PATTERN PLANS.
5. PROVIDE CLEAR PROTECTIVE WOOD STAIN ON EXISTING TO REMAIN (ETR) FLOORS.
6. PROVIDE DIGITALLY PRINTED VINYL WALL GRAPHIC. REFER TO I002 FOR WALL GAPHIC SCHEDULE & DETAILS.
7. INSTALL WRITABLE/MAGNETIC SURFACE (WS) 2'-0" AFF. SEE A700 SERIES DRAWINGS FOR SIZES & LOCATIONS.
8. INSTALL DIMENSIONAL METAL LETTERING ON STAND-OFFS. SEE I001-1 FOR DETAIL.
9. PROVIDE (EPT-2) UP TO EXISTING WOOD TRIM +/- 7'-6" AFF FULL EXTENT OF WALL. WOOD TRIM TO RECEIVE (PT-2). WALL ABOVE TO RECEIVE (PT-1). REFER TO A700 SERIES ELEVATIONS FOR ADDITIONAL DETAIL.
10. PROVIDE FABRIC WRAPPED ACOUSTICAL WALL PANELS. SEE A700 SERIES FOR PANEL SIZES & DETAILS.
11. EXISTING WOOD WINDOW CASING/DETAILING TO RECEIVE PT-2.
12. PROVIDE CLEAR PROTECTIVE WOOD STAIN AT EXISTING BEAM.
13. STAGE FRONT TO RECEIVE PAINT (PT-2) & NEW BASE (RB-1). SEE A700 SERIES SHEETS FOR ADDITIONAL DETAIL.
14. PATCH TO MATCH ADJACENT WALL FINISH AS REQUIRED PER NEW WORK.
15. PATCH TO MATCH ADJACENT FLOOR FINISH & BASE AS REQUIRED PER NEW WORK.
16. PROVIDE 2-COLOR CPT FLOORING WITH RESILIENT BASE. REFER TO I300 SERIES FOR FLOOR PATTERN PLANS.
17. PROVIDE 3 COLOR PATTERN CERAMIC WALL TILE UP TO 5'-0" A.F.F. WITH EPOXY PAINT EPT-1 ABOVE. ADJACENT WALLS TO RECEIVE (TB-1) AND (EPT-1). REFER TO TYPICAL TILE PATTERN D ON I001 FOR DETAIL.
18. PROVIDE RB-2 AT VINYL WALL GRAPHIC.

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PROJECT INFORMATION

Project Number
13940.20

Client Name
NEWBURGH ENLARGED CITY SCHOOL DISTRICT

Project Name
PHASE 5: 2019 CAPITAL IMPROVEMENTS PROJECT

SED # 44-16-00-01-0-018-009

Project Address
400 Old Forge Hill Rd, New Windsor, NY 12553

REVISION SCHEDULE

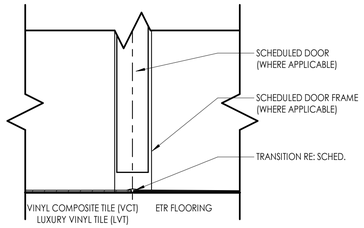
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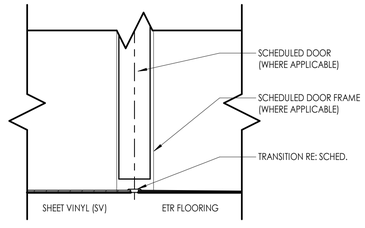
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TYPICAL TRANSITION TYPES:

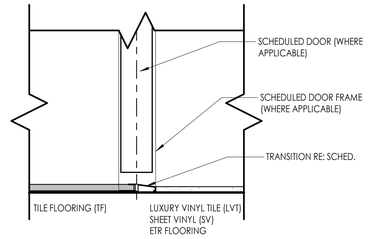
SCALE: 3" = 1'-0"
NOTE: USE DETAIL FOR SAME MATERIAL TRANSITIONS WITH OR WITHOUT DOOR.



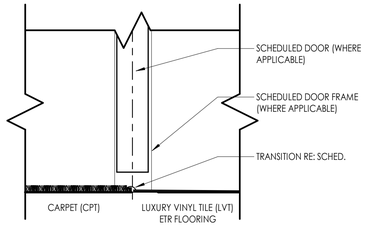
(TS-1)
VCT/LVT TO ETR FLOORING



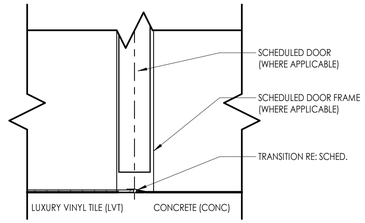
(TS-2)
SV TO ETR FLOORING



(TS-3)
TF TO LVT/SV/ETR FLOORING



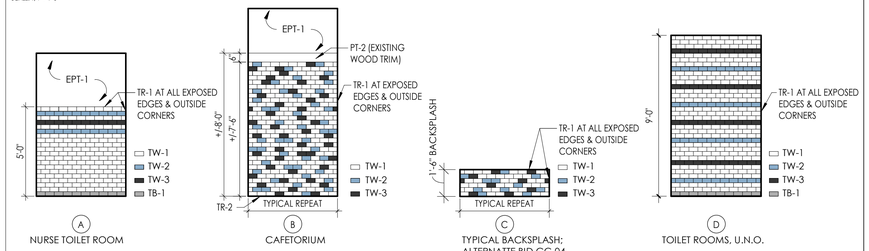
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CPT TO LVT/ETR

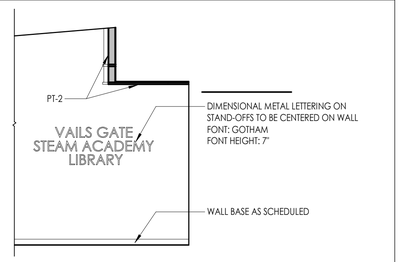


(TS-5)
VCT/LVT TO SCON

TYPICAL TILE PATTERN TYPES

SCALE: 1/4" = 1'-0"





1 / 1001 **DIMENSIONAL METAL LETTERING AT LIBRARY (BASE BID)**
1/4" = 1'-0"

NOTE: SHEET VIEWED BEST WHEN PRINTED IN COLOR.

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BID DOCUMENTS

Drawn By: ALH
Checked By: CTV

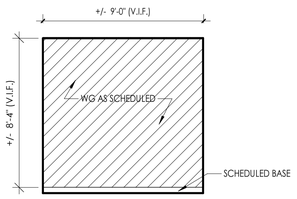
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INTERIOR FINISH DETAILS

1001

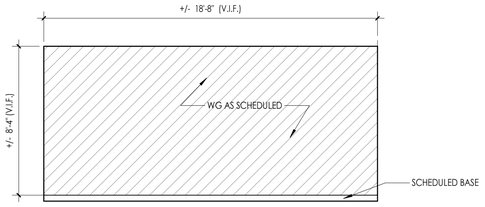
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VINYL WALL GRAPHIC SCHEDULE

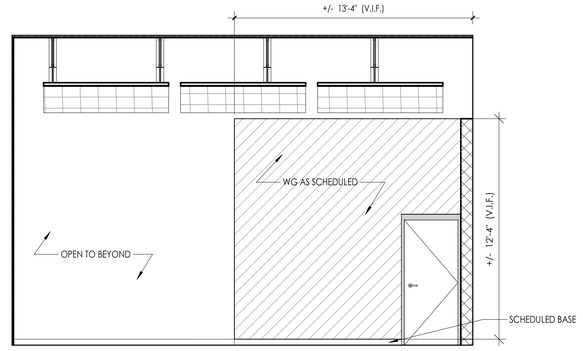
TAG	ROOM	APPLICATION	TYPE	COMMENTS
WG-1	LIBRARY	DIGITALLY PRINTED WALL COVERING ON GWB WALL. GRAPHIC TO EXTEND FULL HEIGHT AND LENGTH OF WALL.G.C. TO PROVIDE VERIFIED DIMENSIONS IN FIELD.	RAMPART SUBSTRATE WITH STRONGHOLD WALL LINER	BASE BID
WG-2	CORRIDOR AT TEACHERS ROOM 214	DIGITALLY PRINTED VINYL WALL COVERING ON CMU. GRAPHIC TO EXTEND FULL LENGTH AND HIEGHT OF AREA INDICATED. G.C. TO PROVIDE VERIFIED DIMESNIONS IN FIELD.	RAMPART SUBSTRATE WITH STRONGHOLD WALL LINER - PROVIDE RAMPART TOP/END CAP WC-98-10 AT ALL EXPOSED EDGES	BASE BID
WG-3	CORRIDOR AT HEALTH CLERK	DIGITALLY PRINTED VINYL WALL COVERING ON CMU. GRAPHIC TO EXTEND FULL LENGTH AND HIEGHT OF AREA INDICATED. G.C. TO PROVIDE VERIFIED DIMESNIONS IN FIELD.	RAMPART SUBSTRATE WITH STRONGHOLD WALL LINER - PROVIDE RAMPART TOP/END CAP WC-98-10 AT ALL EXPOSED EDGES	BASE BID
WG-4	STEAM LAB	DIGITALLY PRINTED WALL COVERING ON CMU WALL. GRAPHIC TO EXTEND FULL HEIGHT AND LENGTH OF WALL. G.C. TO PROVIDE VERIFIED DIMENSIONS IN FIELD.	RAMPART SUBSTRATE WITH STRONGHOLD WALL LINER	ALTERNATE BID GC-05
WG-5	SCIENCE LAB	DIGITALLY PRINTED WALL COVERING ON CMU WALL. GRAPHIC TO EXTEND FULL HEIGHT AND LENGTH OF WALL. G.C. TO PROVIDE VERIFIED DIMENSIONS IN FIELD.	RAMPART SUBSTRATE WITH STRONGHOLD WALL LINER	ALTERNATE BID GC-05
WG-6	CORRIDOR AT STEAM LAB	DIGITALLY PRINTED VINYL WALL COVERING ON CMU. GRAPHIC TO EXTEND FULL LENGTH AND HIEGHT OF AREA INDICATED. G.C. TO PROVIDE VERIFIED DIMESNIONS IN FIELD.	RAMPART SUBSTRATE WITH STRONGHOLD WALL LINER - PROVIDE RAMPART TOP/END CAP WC-98-10 AT ALL EXPOSED EDGES	ALTERNATE BID GC-01
WG-7	STEAM LAB (ALTERNATE BID)	DIGITALLY PRINTED WALL COVERING ON CMU WALL. GRAPHIC TO EXTEND FULL HEIGHT AND LENGTH OF WALL. G.C. TO PROVIDE VERIFIED DIMENSIONS IN FIELD.	RAMPART SUBSTRATE WITH STRONGHOLD WALL LINER	ALTERNATE BID GC-01 & GC-05
WG-8	SCIENCE LAB (ALTERNATE BID)	DIGITALLY PRINTED WALL COVERING ON GWB WALL. GRAPHIC TO EXTEND FULL HEIGHT AND LENGTH OF WALL.G.C. TO PROVIDE VERIFIED DIMENSIONS IN FIELD.	RAMPART SUBSTRATE WITH STRONGHOLD WALL LINER	ALTERNATE BID GC-01 & GC-05
WG-9	MUSIC CLASSROOM	DIGITALLY PRINTED WALL COVERING ON GWB WALL. GRAPHIC TO EXTEND FULL HEIGHT AND LENGTH OF AREA INDICATED. G.C. TO PROVIDE VERIFIED DIMENSIONS IN FIELD.	RAMPART SUBSTRATE WITH STRONGHOLD WALL LINER	ALTERNATE BID GC-05
WG-10	VOCAL CLASSROOM	DIGITALLY PRINTED WALL COVERING ON GWB WALL. GRAPHIC TO EXTEND FULL HEIGHT AND LENGTH OF AREA INDICATED. G.C. TO PROVIDE VERIFIED DIMENSIONS IN FIELD.	RAMPART SUBSTRATE WITH STRONGHOLD WALL LINER	ALTERNATE BID GC-05
WG-11	CORRIDOR AT NEW ADDITION	DIGITALLY PRINTED WALL COVERING ON GWB WALL. GRAPHIC TO EXTEND FULL HEIGHT AND LENGTH OF WALL.G.C. TO PROVIDE VERIFIED DIMENSIONS IN FIELD.	RAMPART SUBSTRATE WITH STRONGHOLD WALL LINER	BASE BID
WG-12	MEDITATION ROOM	DIGITALLY PRINTED WALL COVERING ON GWB WALL. GRAPHIC TO EXTEND FULL HEIGHT AND LENGTH OF WALL.G.C. TO PROVIDE VERIFIED DIMENSIONS IN FIELD.	RAMPART SUBSTRATE WITH STRONGHOLD WALL LINER	ALTERNATE BID GC-05



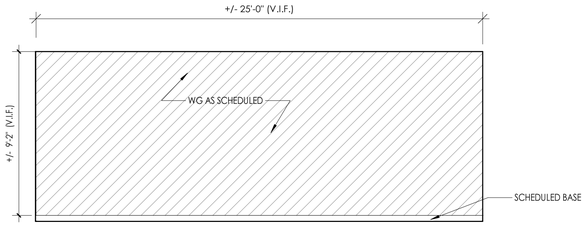
9 / 1002 — **WG-12 WALL GRAPHIC AT MEDITATION ROOM - ALTERNATE BID GC-05**
1/4" = 1'-0"



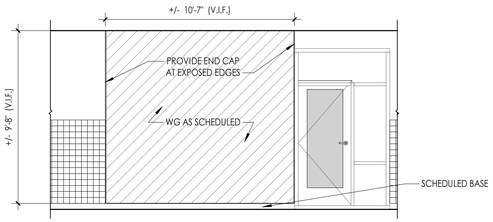
8 / 1002 — **WG-11 WALL GRAPHIC AT NEW ADDITION CORRIDOR - BASE BID**
1/4" = 1'-0"



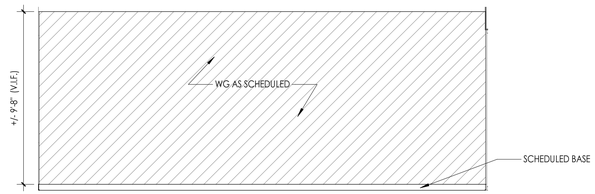
7 / 1002 — **WG-9 & WG-10 WALL GRAPHIC AT MUSIC & VOCAL CLASSROOMS - ALT BID GC-05**
1/4" = 1'-0"



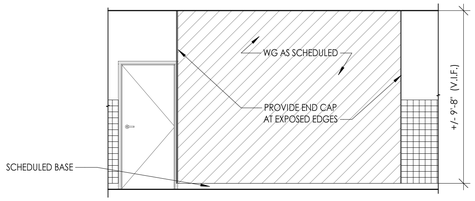
6 / 1002 — **WG-7 & WG-8 WALL GRAPHIC ELEVATION AT STEAM & SCIENCE LAB - ALT BID GC-01 & GC-05**
1/4" = 1'-0"



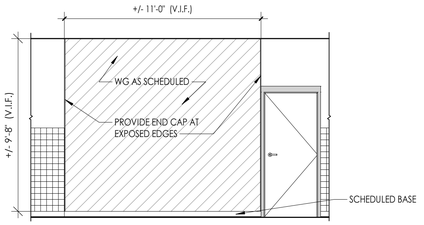
5 / 1002 — **WG-6 WALL GRAPHIC AT CORRIDOR - ALT. BID GC-01**
1/4" = 1'-0"



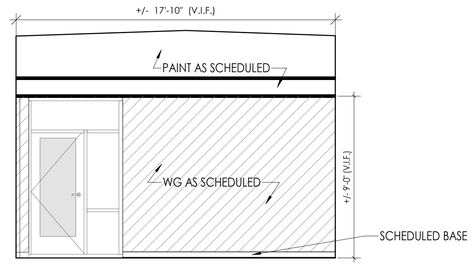
4 / 1002 — **WG-4 & WG-5 WALL GRAPHIC ELEVATION AT STEAM & SCIENCE LAB - ALT. BID GC-05**
1/4" = 1'-0"



3 / 1002 — **WG-3 WALL GRAPHIC AT CORRIDOR - BASE BID**
1/4" = 1'-0"



2 / 1002 — **WG-2 WALL GRAPHIC ELEVATION AT CORRIDOR - BASE BID**
1/4" = 1'-0"



1 / 1002 — **WG-1 WALL GRAPHIC ELEVATION AT LIBRARY - BASE BID**
1/4" = 1'-0"

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PROJECT INFORMATION

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REVISION SCHEDULE

#	Date	Description

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Drawn By: ALH
Checked By: CTV

Drawing Title
WALL GRAPHICS SCHEDULE

1002

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FINISH PLAN GENERAL NOTES

1. ALL NEW AND EXISTING HOLLOW METAL DOORS, DOOR FRAMES AND WINDOW FRAMES IN PROJECT SCOPE SHALL BE PAINTED (PT-4), UNLESS NOTED OTHERWISE (U.N.O.).
2. ALL LOUVERS, VENTS, GRILLES AND OTHER MISCELLANEOUS MECHANICAL AND ELECTRICAL DEVICES ARE TO BE PAINTED TO MATCH THE SURFACE ON WHICH THEY APPEAR, UNLESS NOTED OTHERWISE (U.N.O.).
3. REFER TO A600 SERIES DRAWINGS FOR CEILING TYPES AND SOFFIT FINISHES.
4. UNDERSIDE OF SOFFITS TO MATCH FACE OF SOFFIT. SEE A600 SERIES FOR PAINT ACCENT SPECIFICATIONS. TYPIAL GWB CEILINGS TO RECEIVE PAINT (PT-6).
5. REFER TO A700 SERIES INTERIOR ELEVATIONS FOR MILLWORK FINISHES.
6. HIGH PRESSURE PLASTIC LAMINATE ON VERTICAL SURFACES TO RUN VERTICALLY, UNLESS NOTED OTHERWISE (U.N.O.).
7. REFER TO I300s FOR FLOOR PATTERNING PLANS & DETAILS.
8. ALL FLOOR FINISHES SHALL TRANSITION AT THE CENTERLINE OF THE DOOR, UNLESS NOTED OTHERWISE (U.N.O.). INSTALL TRANSITION STRIPS PER DETAILS ON I001.
9. ALL GROUT TO BE SEALED A MINIMUM OF TWO TIMES PRIOR TO COMPLETION.
10. WHERE KICKSPACES OCCUR AT MILLWORK, FLOOR FINISH SHOWN ON PLANS SHALL RUN UNDERNEATH KICKSPACE AS WELL.

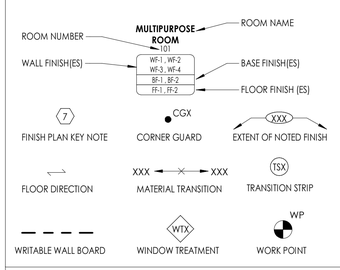
FINISH ABBREVIATIONS

NOTE: THIS LEGEND MAY CONTAIN ABBREVIATIONS THAT ARE NOT IN THIS PROJECT

ACT	ACOUSTICAL CEILING TILE	RB	RESILIENT BASE
AWP	ACOUSTICAL WALL PANEL	RS	RESILIENT SHEET
CG	CORNER GUARD	RST	RESILIENT STAIR TREAD
CPT	CARPET	RT	RESILIENT TILE
DG	DIGITAL GRAPHIC	SCON	SEALED CONCRETE
DWC	DIGITAL WALL COVERING	SF	SPORTS FLOORING
EPT	EPOXY PAINT	SN	STAIR NOSING & RISER
ERF	EPOXY RESIN FLOOR	SSM	SOLID SURFACE MATERIAL
ETR	EXISTING TO REMAIN	SV	SHEET VINYL
EXP	EXPOSED	TB	TILE BASE
GRT	GROUT	TER	TERRAZZO
HPL	HIGH PRESSURE PLASTIC LAMINATE	TF	TILE FLOOR
HR	HAND RAIL	TS	TRANSITION STRIP
INT	INTEGRAL	TW	TILE WALL
LVT	LUXURY VINYL TILE	VCT	VINYL COMPOSITION TILE
PT	PAINT	WF	WINDOW FILM
PTM	PATCH TO MATCH	WOC	WALK OFF CARPET
QB	QUARRY TILE BASE	WS	WRITEABLE SURFACE
QT	QUARRY TILE	WT	WINDOW TREATMENT

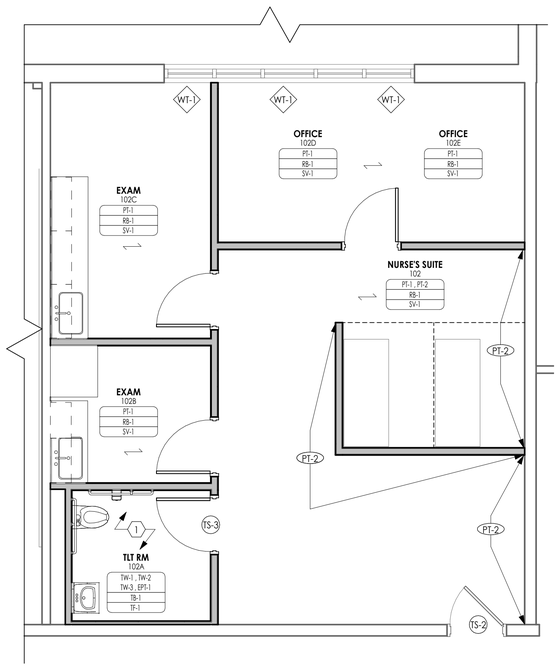
FINISH PLAN SYMBOLS LEGEND

NOTE: THIS LEGEND MAY CONTAIN SYMBOLS THAT ARE NOT IN THIS PROJECT



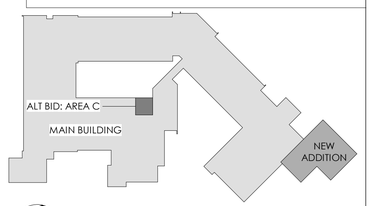
FINISH PLAN KEY NOTES

1. PROVIDE 3-COLOR PATTERN CERAMIC WALL TILE WAINSCOT UP TO 5'-0" AFF WITH EPOXY PAINT (EPT-1) ABOVE. REFER TO TYPICAL TILE PATTERN 'A' ON I001 FOR DETAILS.
2. PROVIDE 3-COLOR PATTERN CERAMIC WALL TILE +/- 7'-6" AFF FULL LENGTH OF WALL EXISTING WOOD TRIM ABOVE TO RECEIVE (PT-2). WALL ABOVE TO RECEIVE (PT-1). REFER TO TILE PATTERN 'B' ON I001 FOR DETAILS.
3. PROVIDE 3-COLOR LVT FLOORING WITH RESILIENT BASE. REFER TO I300 SERIES FOR FLOOR PATTERN PLANS.
4. PROVIDE 6-COLOR CPT FLOORING WITH RESILIENT BASE. REFER TO I300 SERIES FOR FLOOR PATTERN PLANS.
5. PROVIDE CLEAR PROTECTIVE WOOD STAIN ON EXISTING TO REMAIN (ETR) FLOORS.
6. PROVIDE DIGITALLY PRINTED VINYL WALL GRAPHIC. REFER TO I002 FOR WALL GAPHIC SCHEDULE & DETAILS.
7. INSTALL WRITABLE/MAGNETIC SURFACE (WS) 2'-0" AFF. SEE A700 SERIES DRAWINGS FOR SIZES & LOCATIONS.
8. INSTALL DIMENSIONAL METAL LETTERING ON STAND-OFFS. SEE I001-1 FOR DETAIL.
9. PROVIDE (EPT-2) UP TO EXISTING WOOD TRIM +/- 7'-6" AFF FULL EXTENT OF WALL. WOOD TRIM TO RECEIVE (PT-2). WALL ABOVE TO RECEIVE (PT-1). REFER TO A700 SERIES ELEVATIONS FOR ADDITIONAL DETAIL.
10. PROVIDE FABRIC WRAPPED ACOUSTICAL WALL PANELS. SEE A700 SERIES FOR PANEL SIZES & DETAILS.
11. EXISTING WOOD WINDOW CASING/DETAILING TO RECEIVE PT-2.
12. PROVIDE CLEAR PROTECTIVE WOOD STAIN AT EXISTING BEAM.
13. STAGE FRONT TO RECEIVE PAINT (PT-2) & NEW BASE (RB-1). SEE A700 SERIES SHEETS FOR ADDITIONAL DETAIL.
14. PATCH TO MATCH ADJACENT WALL FINISH AS REQUIRED PER NEW WORK.
15. PATCH TO MATCH ADJACENT FLOOR FINISH & BASE AS REQUIRED PER NEW WORK.
16. PROVIDE 2-COLOR CPT FLOORING WITH RESILIENT BASE. REFER TO I300 SERIES FOR FLOOR PATTERN PLANS.
17. PROVIDE 3 COLOR PATTERN CERAMIC WALL TILE UP TO 5'-0" A.F.F. WITH EPOXY PAINT EPT-1 ABOVE. ADJACENT WALLS TO RECEIVE (TB-1) AND (EPT-1). REFER TO TYPICAL TILE PATTERN D ON I001 FOR DETAIL.
18. PROVIDE RB-2 AT VINYL WALL GRAPHIC.



1 / 1201 **PARTIAL FIRST FLOOR FINISH PLAN - ALTERNATE GC-01 - AREA C**

1/4" = 1'-0"



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KEYPLAN

NTS

CPL | Architecture Engineering Planning

50 FRONT ST. SUITE 102
NEWBURGH, NY 12550

CPLteam.com

PROJECT INFORMATION

Project Number
13940.20

Client Name
NEWBURGH ENLARGED CITY SCHOOL DISTRICT

Project Name
PHASE 5: 2019 CAPITAL IMPROVEMENTS PROJECT

SED # 44-16-00-01-0-018-009

Project Address
400 Old Forge Hill Rd, New Windsor, NY 12553

REVISION SCHEDULE

#	Date	Description

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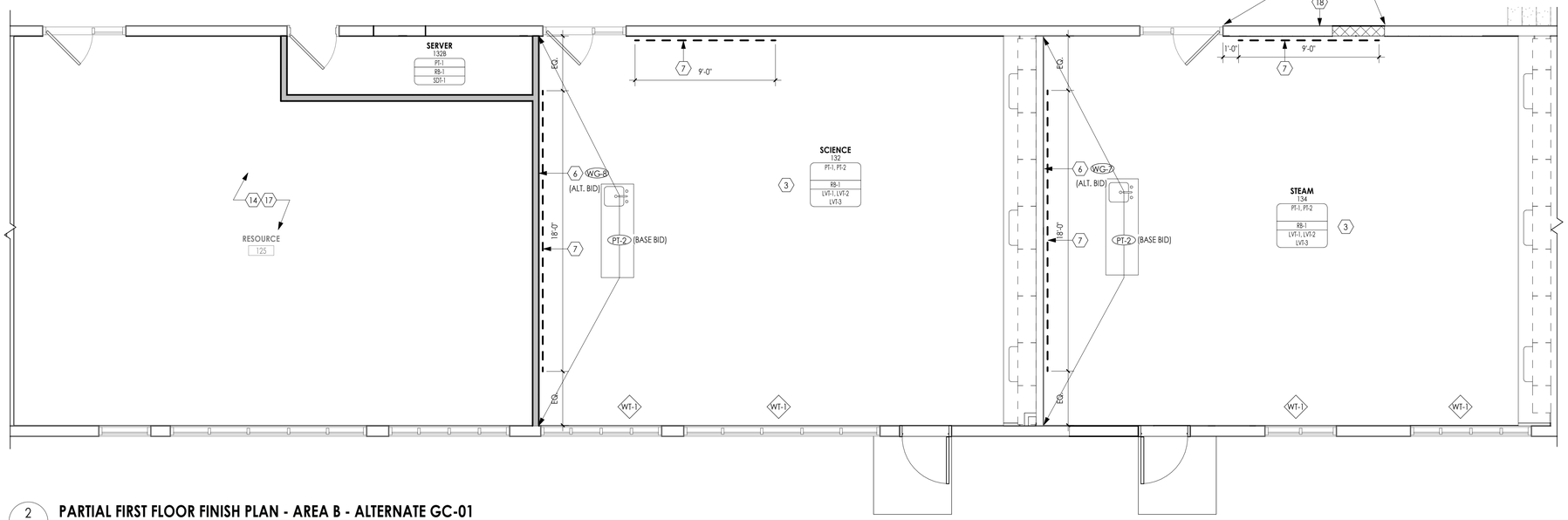
Drawn By
ALH

Checked By
CTV

Drawing Title
PARTIAL FIRST FLOOR FINISH PLAN - AREA C

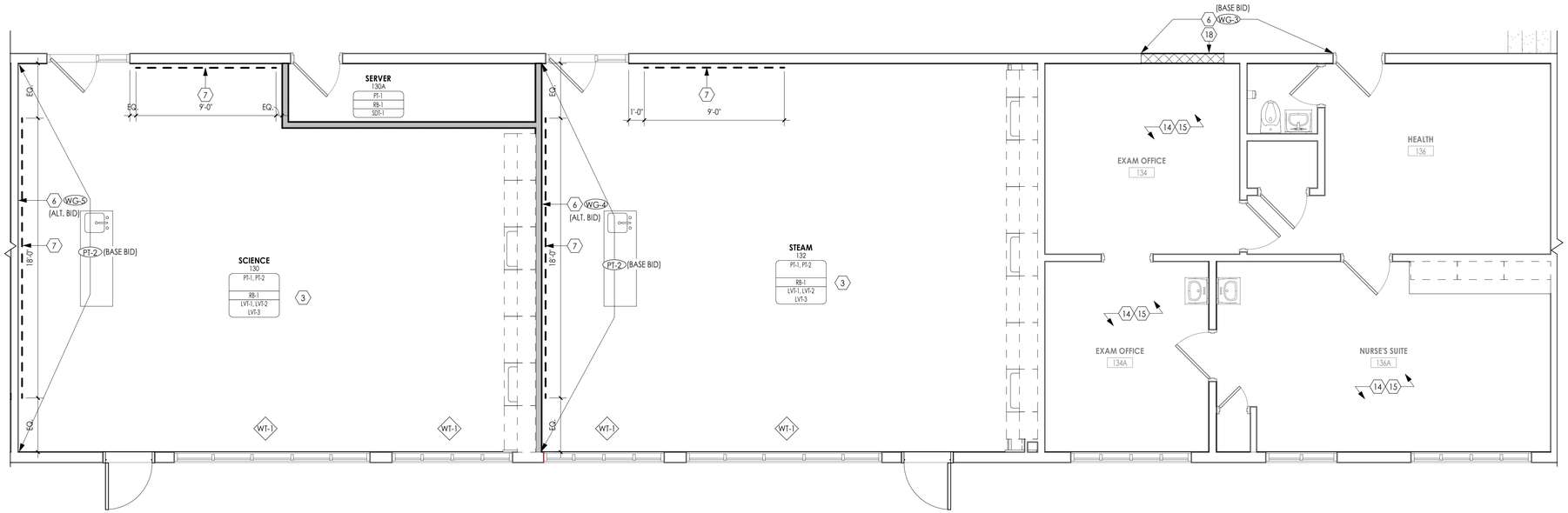
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2 / 1202 **PARTIAL FIRST FLOOR FINISH PLAN - AREA B - ALTERNATE GC-01**

1/4" = 1'-0"



1 / 1202 **PARTIAL FIRST FLOOR FINISH PLAN - BASE BID - AREA B**

1/4" = 1'-0"

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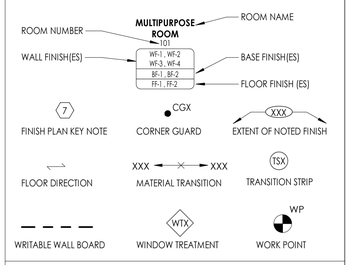
FINISH ABBREVIATIONS

NOTE: THIS LEGEND MAY CONTAIN ABBREVIATIONS THAT ARE NOT IN THIS PROJECT

ACT	ACOUSTICAL CEILING TILE	RB	RESILIENT BASE
AWP	ACOUSTICAL WALL PANEL	RS	RESILIENT SHEET
CG	CORNER GUARD	RST	RESILIENT STAIR TREAD
CPT	CARPET	RT	RESILIENT TILE
DG	DIGITAL GRAPHIC	SCON	SEALED CONCRETE
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ERF	EPOXY RESIN FLOOR	SSM	SOLID SURFACE MATERIAL
ETR	EXISTING TO REMAIN	SV	SHEET VINYL
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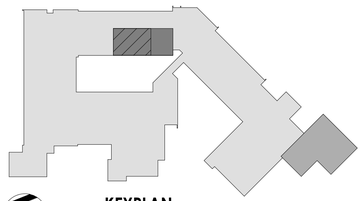
FINISH PLAN SYMBOLS LEGEND

NOTE: THIS LEGEND MAY CONTAIN SYMBOLS THAT ARE NOT IN THIS PROJECT



FINISH PLAN KEY NOTES

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6. PROVIDE DIGITALLY PRINTED VINYL WALL GRAPHIC. REFER TO I002 FOR WALL GAPHIC SCHEDULE & DETAILS.
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18. PROVIDE RB-2 AT VINYL WALL GRAPHIC.



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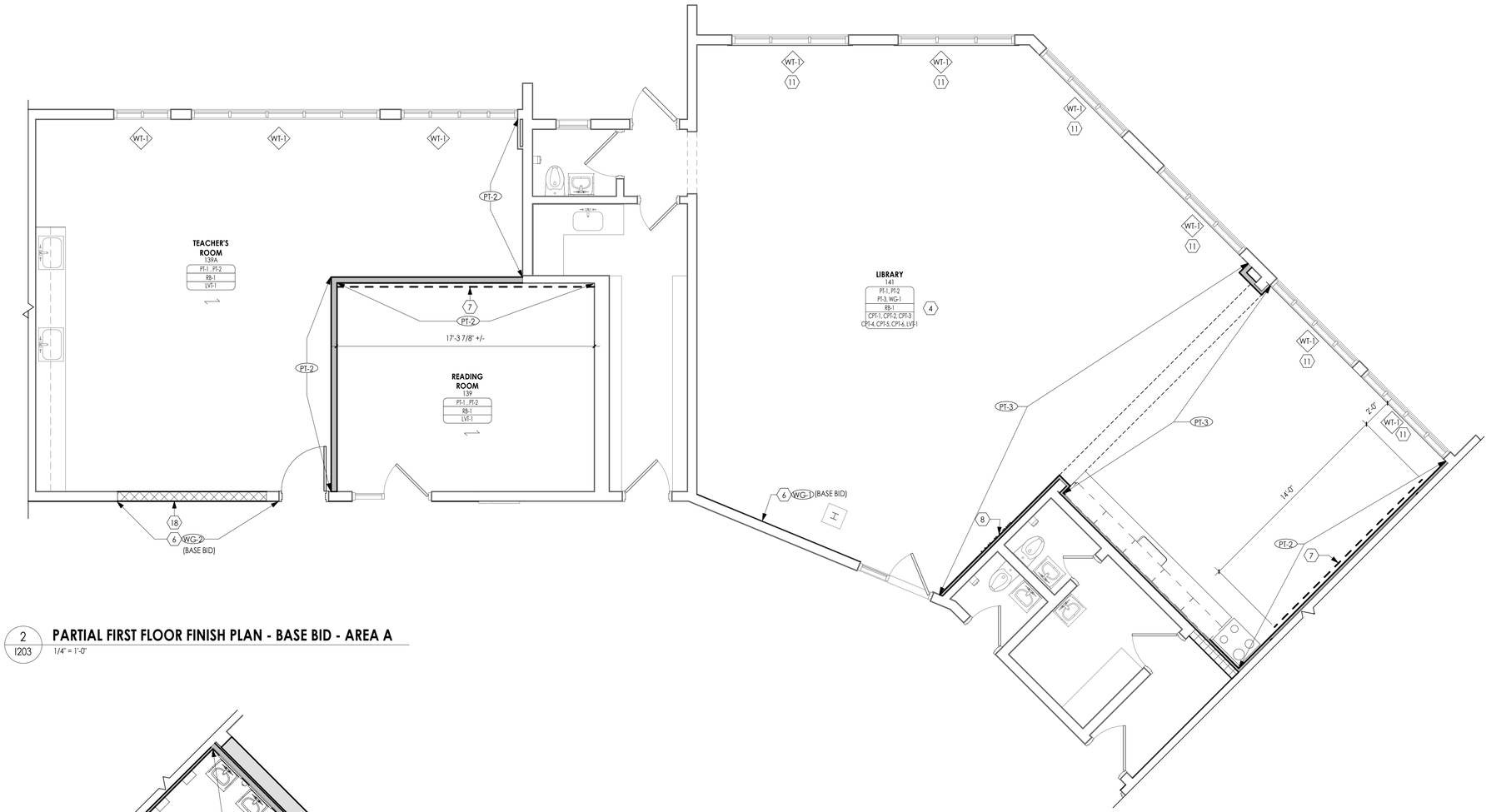
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ALH

Checked By
CTV

Drawing Title
PARTIAL FIRST FLOOR FINISH PLAN - AREA B

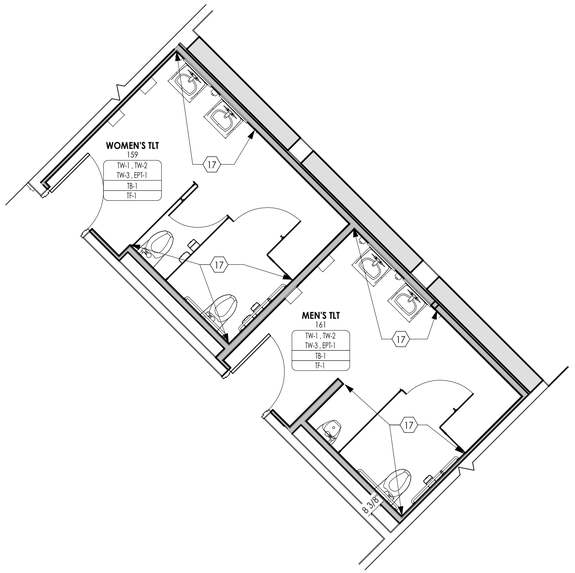
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2 / 1203 **PARTIAL FIRST FLOOR FINISH PLAN - BASE BID - AREA A**

1/4" = 1'-0"



1 / 1203 **PARTIAL FIRST FLOOR FINISH PLAN - BASE BID - AREA D**

1/4" = 1'-0"

FINISH PLAN GENERAL NOTES

1. ALL NEW AND EXISTING HOLLOW METAL DOORS, DOOR FRAMES AND WINDOW FRAMES IN PROJECT SCOPE SHALL BE PAINTED (PT-4), UNLESS NOTED OTHERWISE (U.N.O.).
2. ALL LOUVERS, VENTS, GRILLES AND OTHER MISCELLANEOUS MECHANICAL AND ELECTRICAL DEVICES ARE TO BE PAINTED TO MATCH THE SURFACE ON WHICH THEY APPEAR, UNLESS NOTED OTHERWISE (U.N.O.).
3. REFER TO A600 SERIES DRAWINGS FOR CEILING TYPES AND SOFFIT FINISHES.
4. UNDERSIDE OF SOFFITS TO MATCH FACE OF SOFFIT. SEE A600 SERIES FOR PAINT ACCENT SPECIFICATIONS. TYPIAL GWB CEILINGS TO RECEIVE PAINT (PT-6).
5. REFER TO A700 SERIES INTERIOR ELEVATIONS FOR MILLWORK FINISHES.
6. HIGH PRESSURE PLASTIC LAMINATE ON VERTICAL SURFACES TO RUN VERTICALLY, UNLESS NOTED OTHERWISE (U.N.O.).
7. REFER TO I300s FOR FLOOR PATTERNING PLANS & DETAILS.
8. ALL FLOOR FINISHES SHALL TRANSITION AT THE CENTERLINE OF THE DOOR, UNLESS NOTED OTHERWISE (U.N.O.). INSTALL TRANSITION STRIPS PER DETAILS ON I001.
9. ALL GROUT TO BE SEALED A MINIMUM OF TWO TIMES PRIOR TO COMPLETION.
10. WHERE NEW FLOOR FINISH MEETS EXISTING WORK, FLOOR FINISH SHOWN ON PLANS AS WELL.

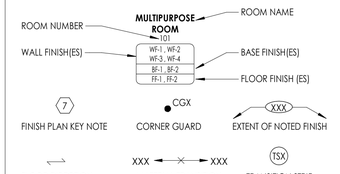
FINISH ABBREVIATIONS

NOTE: THIS LEGEND MAY CONTAIN ABBREVIATIONS THAT ARE NOT IN THIS PROJECT

ACT	ACOUSTICAL CEILING TILE	RB	RESILIENT BASE
AWP	ACOUSTICAL WALL PANEL	RS	RESILIENT SHEET
CG	CORNER GUARD	RST	RESILIENT STAIR TREAD
CPT	CARPET	RT	RESILIENT TILE
DG	DIGITAL GRAPHIC	SCON	SEALED CONCRETE
DWC	DIGITAL WALL COVERING	SF	SPORTS FLOORING
EPT	EPOXY PAINT	SN	STAIR NOSING & RISER
ERF	EPOXY RESIN FLOOR	SSM	SOLID SURFACE MATERIAL
ETR	EXISTING TO REMAIN	SV	SHEET VINYL
EXP	EXPOSED	TB	TILE BASE
GRT	GROUT	TER	TERRAZZO
HPL	HIGH PRESSURE PLASTIC LAMINATE	TF	TILE FLOOR
HR	HAND RAIL	TS	TRANSITION STRIP
INT	INTEGRAL	TW	TILE WALL
LVT	LUXURY VINYL TILE	VCT	VINYL COMPOSITION TILE
PT	PAINT	WF	WINDOW FILM
PTM	PATCH TO MATCH	WOC	WALK OFF CARPET
QB	QUARRY TILE BASE	WS	WRITEABLE SURFACE
QT	QUARRY TILE	WT	WINDOW TREATMENT

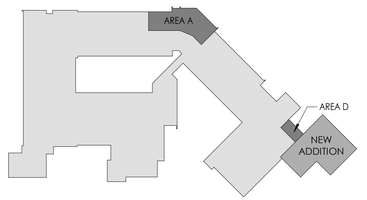
FINISH PLAN SYMBOLS LEGEND

NOTE: THIS LEGEND MAY CONTAIN SYMBOLS THAT ARE NOT IN THIS PROJECT



FINISH PLAN KEY NOTES

1. PROVIDE 3-COLOR PATTERN CERAMIC WALL TILE WAINSCOT UP TO 5'-0" AFF WITH EPOXY PAINT (EPT-1) ABOVE. REFER TO TYPICAL TILE PATTERN 'A' ON I001 FOR DETAILS.
2. PROVIDE 3-COLOR PATTERN CERAMIC WALL TILE +/- 7'-6" AFF FULL LENGTH OF WALL. EXISTING WOOD TRIM ABOVE TO RECEIVE (PT-2). WALL ABOVE TO RECEIVE (PT-1). REFER TO TILE PATTERN 'B' ON I001 FOR DETAILS.
3. PROVIDE 3-COLOR LVT FLOORING WITH RESILIENT BASE. REFER TO I300 SERIES FOR FLOOR PATTERN PLANS.
4. PROVIDE 6-COLOR CPT FLOORING WITH RESILIENT BASE. REFER TO I300 SERIES FOR FLOOR PATTERN PLANS.
5. PROVIDE CLEAR PROTECTIVE WOOD STAIN ON EXISTING TO REMAIN (ETR) FLOORS.
6. PROVIDE DIGITALLY PRINTED VINYL WALL GRAPHIC. REFER TO I002 FOR WALL GAPHIC SCHEDULE & DETAILS.
7. INSTALL WRITABLE/MAGNETIC SURFACE (WS) 2'-0" AFF. SEE A700 SERIES DRAWINGS FOR SIZES & LOCATIONS.
8. INSTALL DIMENSIONAL METAL LETTERING ON STAND-OFFS. SEE I001-1 FOR DETAIL.
9. PROVIDE (EPT-2) UP TO EXISTING WOOD TRIM +/- 7'-6" AFF FULL EXTENT OF WALL. WOOD TRIM TO RECEIVE (PT-2). WALL ABOVE TO RECEIVE (PT-1). REFER TO A700 SERIES ELEVATIONS FOR ADDITIONAL DETAIL.
10. PROVIDE FABRIC WRAPPED ACOUSTICAL WALL PANELS. SEE A700 SERIES FOR PANEL SIZES & DETAILS.
11. EXISTING WOOD WINDOW CASING/DETAILING TO RECEIVE PT-2.
12. PROVIDE CLEAR PROTECTIVE WOOD STAIN AT EXISTING BEAM.
13. STAGE FRONT TO RECEIVE PAINT (PT-2) & NEW BASE (RB-1). SEE A700 SERIES SHEETS FOR ADDITIONAL DETAIL.
14. PATCH TO MATCH ADJACENT WALL FINISH AS REQUIRED PER NEW WORK.
15. PATCH TO MATCH ADJACENT FLOOR FINISH & BASE AS REQUIRED PER NEW WORK.
16. PROVIDE 2-COLOR CPT FLOORING WITH RESILIENT BASE. REFER TO I300 SERIES FOR FLOOR PATTERN PLANS.
17. PROVIDE 3 COLOR PATTERN CERAMIC WALL TILE UP TO 5'-0" A.F.F. WITH EPOXY PAINT EPT-1 ABOVE. ADJACENT WALLS TO RECEIVE (TB-1) AND (EPT-1). REFER TO TYPICAL TILE PATTERN D ON I001 FOR DETAIL.
18. PROVIDE RB-2 AT VINYL WALL GRAPHIC.



KEYPLAN

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PROJECT INFORMATION

Project Number
13940.20

Client Name
NEWBURGH ENLARGED CITY SCHOOL DISTRICT

Project Name
PHASE 5: 2019 CAPITAL IMPROVEMENTS PROJECT

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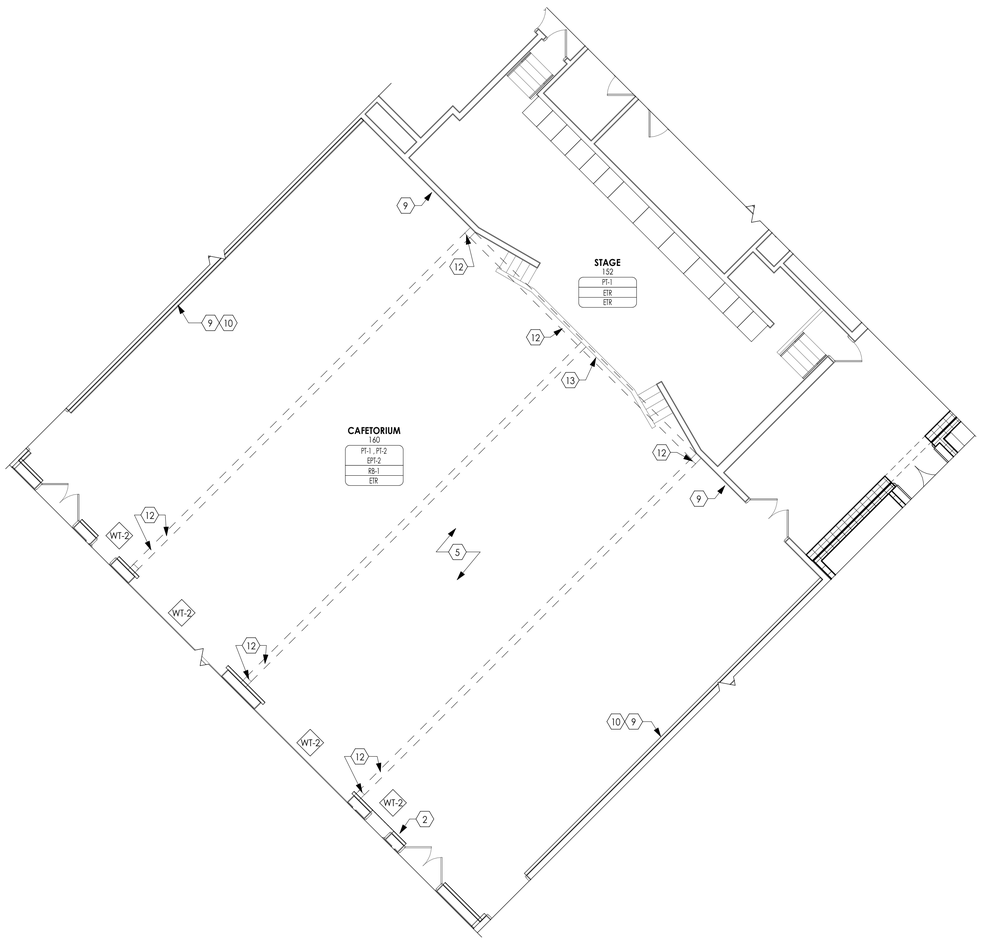
Drawn By
ALH

Checked By
CTV

Drawing Title
PARTIAL FIRST FLOOR FINISH PLAN - AREA A & AREA D

VG
I203

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1 / I204 **PARTIAL FIRST FLOOR FINISH PLAN - BASE BID - AREA F**

1/8" = 1'-0"

FINISH PLAN GENERAL NOTES

1. ALL NEW AND EXISTING HOLLOW METAL DOORS, DOOR FRAMES AND WINDOW FRAMES IN PROJECT SCOPE SHALL BE PAINTED (PT-4), UNLESS NOTED OTHERWISE (U.N.O.).
2. ALL LOUVERS, VENTS, GRILLES AND OTHER MISCELLANEOUS MECHANICAL AND ELECTRICAL DEVICES ARE TO BE PAINTED TO MATCH THE SURFACE ON WHICH THEY APPEAR, UNLESS NOTED OTHERWISE (U.N.O.).
3. REFER TO A600 SERIES DRAWINGS FOR CEILING TYPES AND SOFFIT FINISHES.
4. UNDERSIDE OF SOFFITS TO MATCH FACE OF SOFFIT. SEE A600 SERIES FOR PAINT ACCENT SPECIFICATIONS. TYPIAL GWB CEILINGS TO RECEIVE PAINT (PT-6).
5. REFER TO A700 SERIES INTERIOR ELEVATIONS FOR MILLWORK FINISHES.
6. HIGH PRESSURE PLASTIC LAMINATE ON VERTICAL SURFACES TO RUN VERTICALLY, UNLESS NOTED OTHERWISE (U.N.O.).
7. REFER TO I300s FOR FLOOR PATTERNING PLANS & DETAILS.
8. ALL FLOOR FINISHES SHALL TRANSITION AT THE CENTERLINE OF THE DOOR, UNLESS NOTED OTHERWISE (U.N.O.). INSTALL TRANSITION STRIPS PER DETAILS ON I001.
9. ALL GROUT TO BE SEALED A MINIMUM OF TWO TIMES PRIOR TO COMPLETION.
10. WHERE KICKSPACES OCCUR AT MILLWORK, FLOOR FINISH SHOWN ON PLANS SHALL RUN UNDERNEATH KICKSPACE AS WELL.

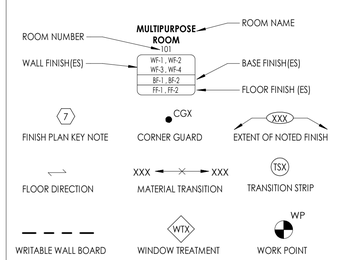
FINISH ABBREVIATIONS

NOTE: THIS LEGEND MAY CONTAIN ABBREVIATIONS THAT ARE NOT IN THIS PROJECT

ACT	ACOUSTICAL CEILING TILE	RB	RESILIENT BASE
AWP	ACOUSTICAL WALL PANEL	RS	RESILIENT SHEET
CG	CORNER GUARD	RST	RESILIENT STAIR TREAD
CPT	CARPET	RT	RESILIENT TILE
DG	DIGITAL GRAPHIC	SCON	SEALED CONCRETE
DWC	DIGITAL WALL COVERING	SF	SPORTS FLOORING
EPT	EPOXY PAINT	SN	STAIR NOSING & RISER
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EXP	EXPOSED	TB	TILE BASE
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HR	HAND RAIL	TS	TRANSITION STRIP
INT	INTEGRAL	TW	TILE WALL
LVT	LUXURY VINYL TILE	VCT	VINYL COMPOSITION TILE
PT	PAINT	WF	WINDOW FILM
PTM	PATCH TO MATCH	WOC	WALK OFF CARPET
QB	QUARRY TILE BASE	WS	WRITEABLE SURFACE
QT	QUARRY TILE	WT	WINDOW TREATMENT

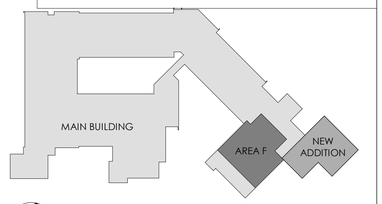
FINISH PLAN SYMBOLS LEGEND

NOTE: THIS LEGEND MAY CONTAIN SYMBOLS THAT ARE NOT IN THIS PROJECT



FINISH PLAN KEY NOTES

1. PROVIDE 3-COLOR PATTERN CERAMIC WALL TILE WAINSCOT UP TO 5'-0" AFF WITH EPOXY PAINT (EPT-1) ABOVE. REFER TO TYPICAL TILE PATTERN 'A' ON I001 FOR DETAILS.
2. PROVIDE 3-COLOR PATTERN CERAMIC WALL TILE +/- 7'-6" AFF FULL LENGTH OF WALL. EXISTING WOOD TRIM ABOVE TO RECEIVE (PT-2). WALL ABOVE TO RECEIVE (PT-1). REFER TO TILE PATTERN 'B' ON I001 FOR DETAILS.
3. PROVIDE 3-COLOR LVT FLOORING WITH RESILIENT BASE. REFER TO I300 SERIES FOR FLOOR PATTERN PLANS.
4. PROVIDE 6-COLOR CPT FLOORING WITH RESILIENT BASE. REFER TO I300 SERIES FOR FLOOR PATTERN PLANS.
5. PROVIDE CLEAR PROTECTIVE WOOD STAIN ON EXISTING TO REMAIN (ETR) FLOORS.
6. PROVIDE DIGITALLY PRINTED VINYL WALL GRAPHIC. REFER TO I002 FOR WALL GAPHIC SCHEDULE & DETAILS.
7. INSTALL WRITABLE/MAGNETIC SURFACE (WS) 2'-0" AFF. SEE A700 SERIES DRAWINGS FOR SIZES & LOCATIONS.
8. INSTALL DIMENSIONAL METAL LETTERING ON STAND-OFFS. SEE I001-1 FOR DETAIL.
9. PROVIDE (EPT-2) UP TO EXISTING WOOD TRIM +/- 7'-6" AFF FULL EXTENT OF WALL. WOOD TRIM TO RECEIVE (PT-2). WALL ABOVE TO RECEIVE (PT-1). REFER TO A700 SERIES ELEVATIONS FOR ADDITIONAL DETAIL.
10. PROVIDE FABRIC WRAPPED ACOUSTICAL WALL PANELS. SEE A700 SERIES FOR PANEL SIZES & DETAILS.
11. EXISTING WOOD WINDOW CASING/DETAILING TO RECEIVE PT-2.
12. PROVIDE CLEAR PROTECTIVE WOOD STAIN AT EXISTING BEAM.
13. STAGE FRONT TO RECEIVE PAINT (PT-2) & NEW BASE (RB-1). SEE A700 SERIES SHEETS FOR ADDITIONAL DETAIL.
14. PATCH TO MATCH ADJACENT WALL FINISH AS REQUIRED PER NEW WORK.
15. PATCH TO MATCH ADJACENT FLOOR FINISH & BASE AS REQUIRED PER NEW WORK.
16. PROVIDE 2-COLOR CPT FLOORING WITH RESILIENT BASE. REFER TO I300 SERIES FOR FLOOR PATTERN PLANS.
17. PROVIDE 3 COLOR PATTERN CERAMIC WALL TILE UP TO 5'-0" A.F.F. WITH EPOXY PAINT EPT-1 ABOVE. ADJACENT WALLS TO RECEIVE (TB-1) AND (EPT-1). REFER TO TYPICAL TILE PATTERN D ON I001 FOR DETAIL.
18. PROVIDE RB-2 AT VINYL WALL GRAPHIC.



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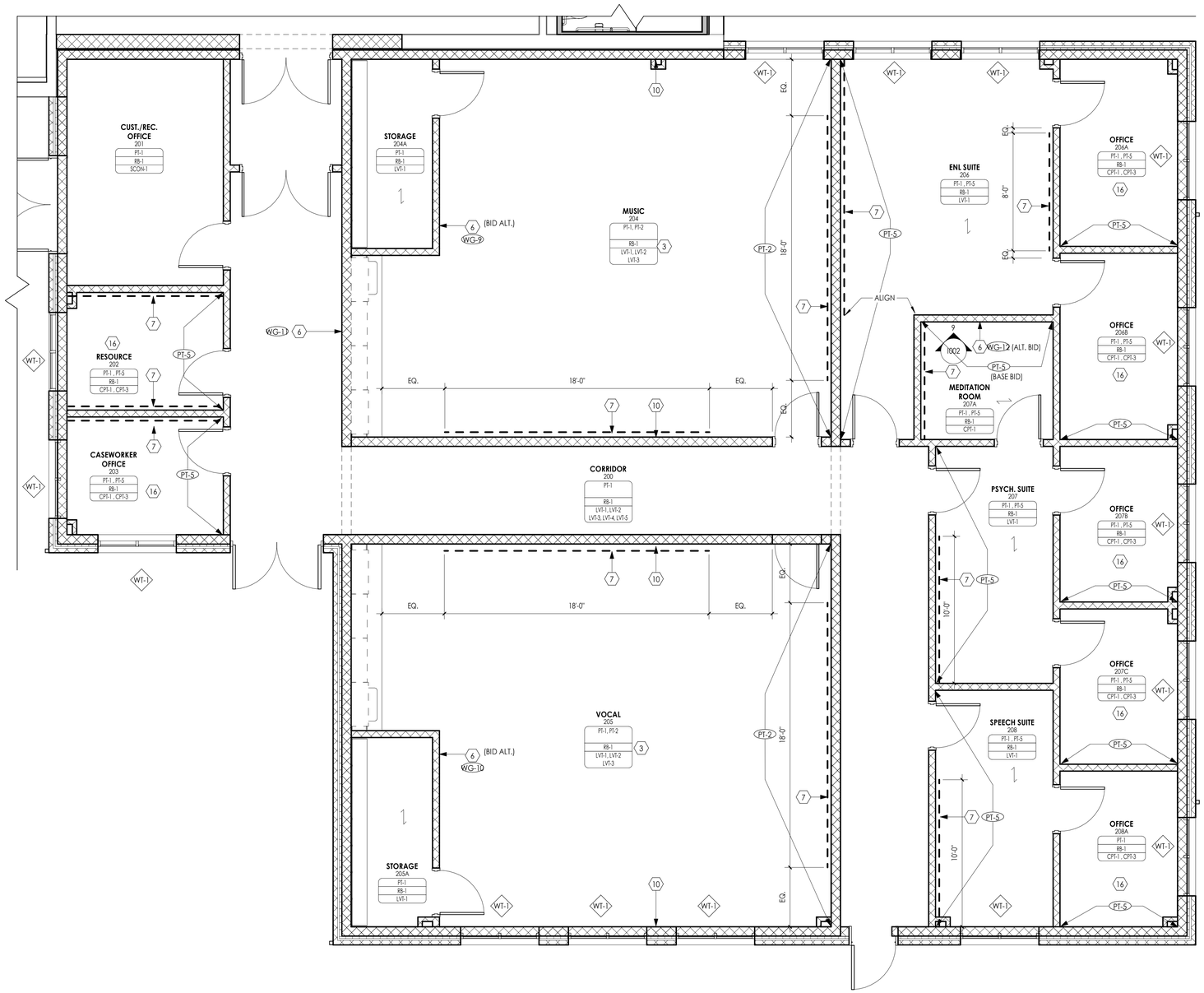
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ALH

Checked By
CTV

Drawing Title
PARTIAL FIRST FLOOR FINISH PLAN - AREA F

VG
I204

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1 / 1205 **PARTIAL FIRST FLOOR FINISH PLAN - BASE BID - ADDITION**

1/4" = 1'-0"

FINISH PLAN GENERAL NOTES

1. ALL NEW AND EXISTING HOLLOW METAL DOORS, DOOR FRAMES AND WINDOW FRAMES IN PROJECT SCOPE SHALL BE PAINTED (PT-4), UNLESS NOTED OTHERWISE (U.N.O.).
2. ALL LOUVERS, VENTS, GRILLES AND OTHER MISCELLANEOUS MECHANICAL AND ELECTRICAL DEVICES ARE TO BE PAINTED TO MATCH THE SURFACE ON WHICH THEY APPEAR, UNLESS NOTED OTHERWISE (U.N.O.).
3. REFER TO A600 SERIES DRAWINGS FOR CEILING TYPES AND SOFFIT FINISHES.
4. UNDERSIDE OF SOFFITS TO MATCH FACE OF SOFFIT. SEE A600 SERIES FOR PAINT ACCENT SPECIFICATIONS. TYPIAL GWB CEILINGS TO RECEIVE PAINT (PT-6).
5. REFER TO A700 SERIES INTERIOR ELEVATIONS FOR MILLWORK FINISHES.
6. HIGH PRESSURE PLASTIC LAMINATE ON VERTICAL SURFACES TO RUN VERTICALLY, UNLESS NOTED OTHERWISE (U.N.O.).
7. REFER TO I300s FOR FLOOR PATTERNING PLANS & DETAILS.
8. ALL FLOOR FINISHES SHALL TRANSITION AT THE CENTERLINE OF THE DOOR, UNLESS NOTED OTHERWISE (U.N.O.). INSTALL TRANSITION STRIPS PER DETAILS ON I001.
9. ALL GROUT TO BE SEALED A MINIMUM OF TWO TIMES PRIOR TO COMPLETION.
10. WHERE KICKSPACES OCCUR AT MILLWORK, FLOOR FINISH SHOWN ON PLANS SHALL RUN UNDERNEATH KICKSPACE AS WELL.

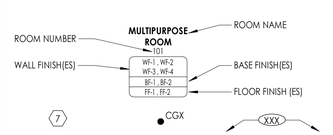
FINISH ABBREVIATIONS

NOTE: THIS LEGEND MAY CONTAIN ABBREVIATIONS THAT ARE NOT IN THIS PROJECT

ACT	ACOUSTICAL CEILING TILE	RB	RESILIENT BASE
AWP	ACOUSTICAL WALL PANEL	RS	RESILIENT SHEET
CG	CORNER GUARD	RST	RESILIENT STAIR TREAD
CPT	CARPET	RT	RESILIENT TILE
DG	DIGITAL GRAPHIC	SCON	SEALED CONCRETE
DWC	DIGITAL WALL COVERING	SF	SPORTS FLOORING
EPT	EPOXY PAINT	SN	STAIR NOSING & RISER
ERF	EPOXY RESIN FLOOR	SSM	SOLID SURFACE MATERIAL
ETR	EXISTING TO REMAIN	SV	SHEET VINYL
EXP	EXPOSED	TB	TILE BASE
GRT	GROUT	TER	TERRAZZO
HPL	HIGH PRESSURE PLASTIC LAMINATE	TF	TILE FLOOR
HR	HAND RAIL	TS	TRANSITION STRIP
INT	INTEGRAL	TW	TILE WALL
LVT	LUXURY VINYL TILE	VCT	VINYL COMPOSITION TILE
PT	PAINT	WF	WINDOW FILM
PTM	PATCH TO MATCH	WOC	WALK OFF CARPET
QB	QUARRY TILE BASE	WS	WRITEABLE SURFACE
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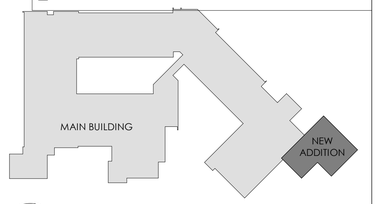
FINISH PLAN SYMBOLS LEGEND

NOTE: THIS LEGEND MAY CONTAIN SYMBOLS THAT ARE NOT IN THIS PROJECT



FINISH PLAN KEY NOTES

1. PROVIDE 3-COLOR PATTERN CERAMIC WALL TILE WAINSCOT UP TO 5'-0" AFF WITH EPOXY PAINT (EPT-1) ABOVE. REFER TO TYPICAL TILE PATTERN 'A' ON I001 FOR DETAILS.
2. PROVIDE 3-COLOR PATTERN CERAMIC WALL TILE +/- 7'-6" AFF FULL LENGTH OF WALL. EXISTING WOOD TRIM ABOVE TO RECEIVE (PT-2). WALL ABOVE TO RECEIVE (PT-1). REFER TO TILE PATTERN 'B' ON I001 FOR DETAILS.
3. PROVIDE 3-COLOR LVT FLOORING WITH RESILIENT BASE. REFER TO I300 SERIES FOR FLOOR PATTERN PLANS.
4. PROVIDE 6-COLOR CPT FLOORING WITH RESILIENT BASE. REFER TO I300 SERIES FOR FLOOR PATTERN PLANS.
5. PROVIDE CLEAR PROTECTIVE WOOD STAIN ON EXISTING TO REMAIN (ETR) FLOORS.
6. PROVIDE DIGITALLY PRINTED VINYL WALL GRAPHIC. REFER TO I002 FOR WALL GAPHIC SCHEDULE & DETAILS.
7. INSTALL WRITABLE/MAGNETIC SURFACE (WS) 2'-0" AFF. SEE A700 SERIES DRAWINGS FOR SIZES & LOCATIONS.
8. INSTALL DIMENSIONAL METAL LETTERING ON STAND-OFFS. SEE I001-1 FOR DETAIL.
9. PROVIDE (EPT-2) UP TO EXISTING WOOD TRIM +/- 7'-6" AFF FULL EXTENT OF WALL. WOOD TRIM TO RECEIVE (PT-2). WALL ABOVE TO RECEIVE (PT-1). REFER TO A700 SERIES ELEVATIONS FOR ADDITIONAL DETAIL.
10. PROVIDE FABRIC WRAPPED, ACOUSTICAL WALL PANELS. SEE A700 SERIES FOR PANEL SIZES & DETAILS.
11. EXISTING WOOD WINDOW CASING/DETAILING TO RECEIVE PT-2.
12. PROVIDE CLEAR PROTECTIVE WOOD STAIN AT EXISTING BEAM.
13. STAGE FRONT TO RECEIVE PAINT (PT-2) & NEW BASE (RB-1). SEE A700 SERIES SHEETS FOR ADDITIONAL DETAIL.
14. PATCH TO MATCH ADJACENT WALL FINISH AS REQUIRED PER NEW WORK.
15. PATCH TO MATCH ADJACENT FLOOR FINISH & BASE AS REQUIRED PER NEW WORK.
16. PROVIDE 2-COLOR CPT FLOORING WITH RESILIENT BASE. REFER TO I300 SERIES FOR FLOOR PATTERN PLANS.
17. PROVIDE 3 COLOR PATTERN CERAMIC WALL TILE UP TO 5'-0" A.F.F. WITH EPOXY PAINT EPT-1 ABOVE. ADJACENT WALLS TO RECEIVE (TB-1) AND (EPT-1). REFER TO TYPICAL TILE PATTERN D ON I001 FOR DETAIL.
18. PROVIDE RB-2 AT VINYL WALL GRAPHIC.



KEYPLAN

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PROJECT INFORMATION

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13940.20

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NEWBURGH ENLARGED CITY SCHOOL DISTRICT

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PHASE 5: 2019 CAPITAL IMPROVEMENTS PROJECT

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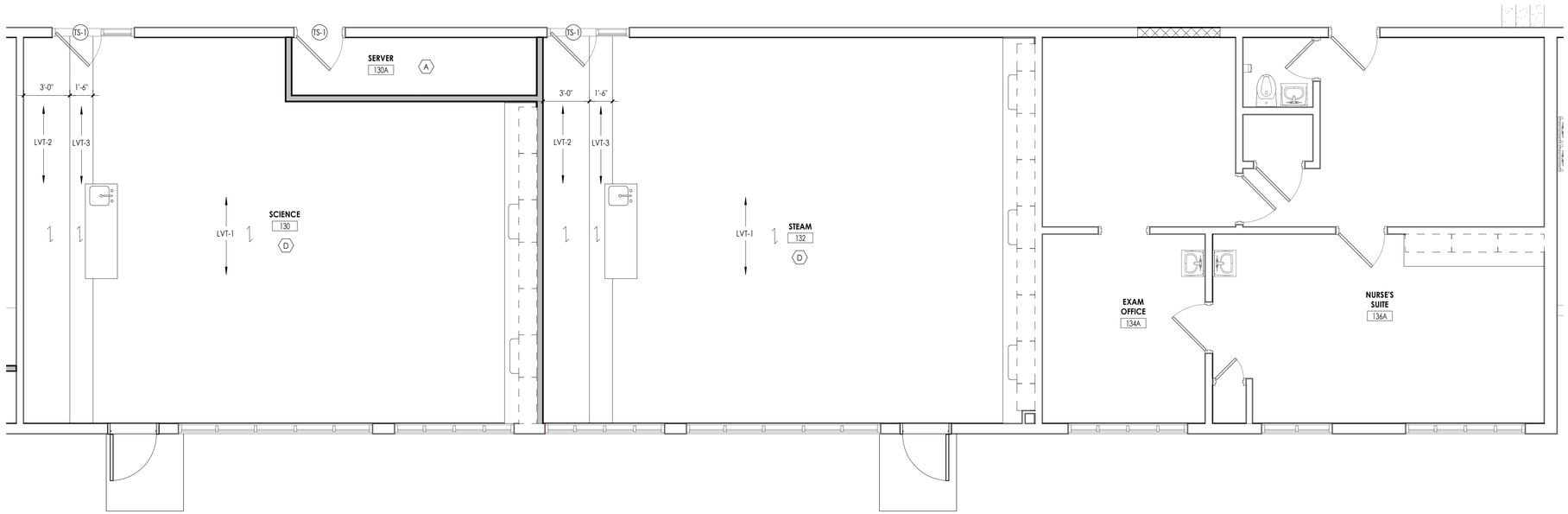
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Drawn By: ALH
Checked By: CTV

Drawing Title
NEW ADDITION FINISH PLAN

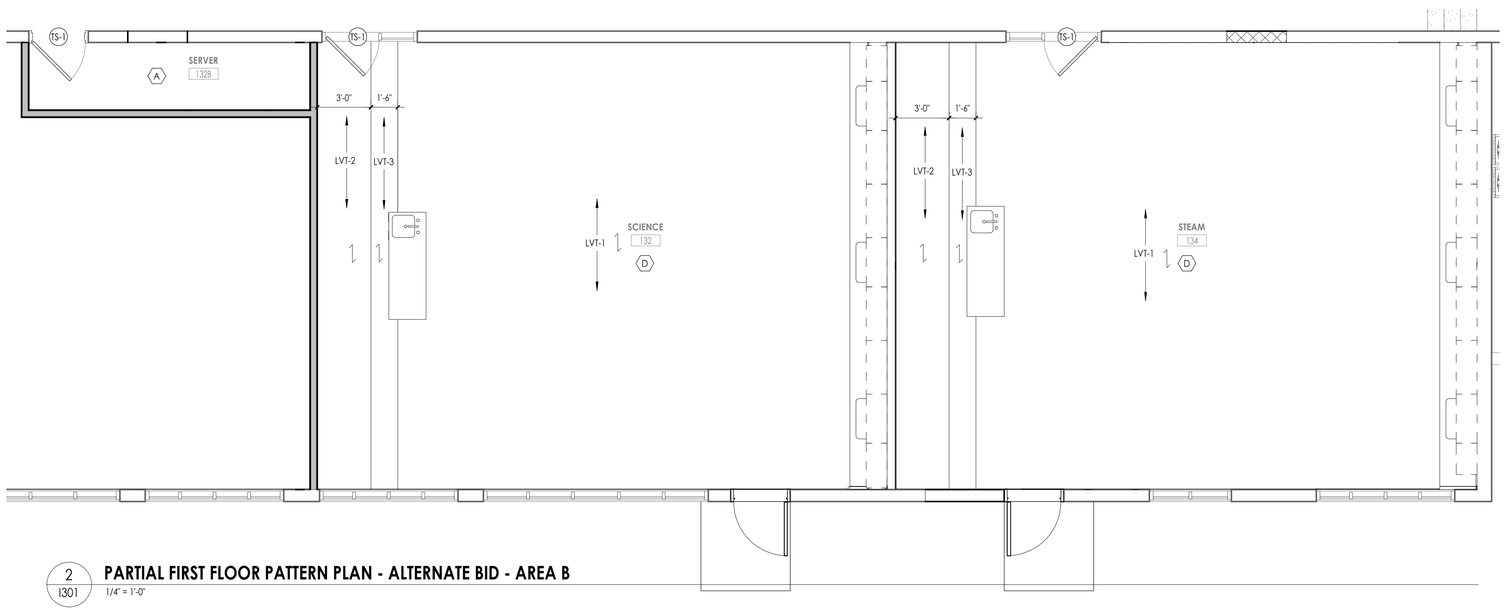
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3 I301 **PARTIAL FIRST FLOOR PATTERN PLAN - BASE BID - AREA B**

1/4" = 1'-0"



2 I301 **PARTIAL FIRST FLOOR PATTERN PLAN - ALTERNATE BID - AREA B**

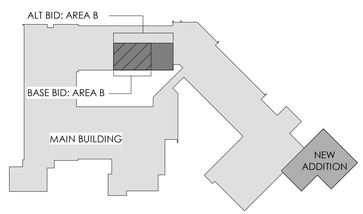
1/4" = 1'-0"

FLOOR PATTERNING GENERAL NOTES

1. ALL FLOOR FINISHES SHALL TRANSITION AT THE CENTERLINE OF THE DOOR, UNLESS NOTED OTHERWISE (U.N.O.). INSTALL TRANSITION STRIPS PER DETAILS ON I300.
2. ALL AREAS WITH INTEGRAL SHEET VINYL BASE SHALL BE AT 4" A.F.F. BASE SHALL BE THE SAME COLOR AS THE ADJACENT FLOORING MATERIAL, UNLESS NOTED OTHERWISE (U.N.O.).
3. ALL GROUT TO BE SEALED A MINIMUM OF TWO TIMES PRIOR TO COMPLETION.
4. WHERE KICKSPACES OCCUR AT MILLWORK, FLOOR FINISH SHOWN ON PLANS SHALL RUN UNDERNEATH KICKSPACE AS WELL.
5. IN AREAS WHERE SHEET VINYL FLOOR PATTERNS OCCUR, USE DARKER SOLID COORDINATING WELD ROD BETWEEN TWO SHEET VINYL COLORS.

FLOOR PATTERNING KEY NOTES

- (A) PROVIDE SDT-1 IN QUARTER TURN INSTALLATION.
- (B) PROVIDE 6 COLOR CPT PATTERN, AS SCHEDULED. SEE 1/I303 FOR PATTERN DETAILS.
- (C) PROVIDE LVT-1 IN ASHLAR INSTALLATION.
- (D) PROVIDE LVT PATTERN, AS SCHEDULED. SEE SHEETS I301 & I305 FOR PATTERN DETAILS.
- (E) PROVIDE SV-1.
- (F) PROVIDE CPT PATTERN, AS SCHEDULED. SEE 1/I305 FOR PATTERN DETAILS.
- (G) PROVIDE WOC-1 IN QUARTER TURN INSTALLATION.
- (H) PROVIDE 5 COLOR LVT PATTERN, AS SCHEDULE. SEE I305 FOR PATTERN DETAILS.
- (J) PROVIDE TF-1.
- (K) PROVIDE SCON-1
- (L) PROVIDE 5 COLOR CARPET PATTERN, AS SCHEDULED. SEE 2/I303 FOR PATTERN DETAILS.
- (M) PROVIDE 3 COLOR LVT PATTERN, AS SCHEDULED. SEE SHEET I305A FOR PATTERN DETAILS.



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Drawn By: ALH
Checked By: CTV

Drawing Title
PARTIAL FIRST FLOOR PATTERN PLAN - AREA B

VG
I301

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2 / 1303 **PARTIAL FIRST FLOOR PATTERN PLAN - ALTERNATE BID (CG-06) - AREA A**
1/4" = 1'-0"

1 / 1303 **PARTIAL FIRST FLOOR PATTERN PLAN - BASE BID - AREA A**
1/4" = 1'-0"

FLOOR PATTERNING GENERAL NOTES

1. ALL FLOOR FINISHES SHALL TRANSITION AT THE CENTERLINE OF THE DOOR, UNLESS NOTED OTHERWISE (U.N.O.). INSTALL TRANSITION STRIPS PER DETAILS ON I300.
2. ALL AREAS WITH INTEGRAL SHEET VINYL BASE SHALL BE AT 4" A.F.F. BASE SHALL BE THE SAME COLOR AS THE ADJACENT FLOORING MATERIAL, UNLESS NOTED OTHERWISE (U.N.O.).
3. ALL GROUT TO BE SEALED A MINIMUM OF TWO TIMES PRIOR TO COMPLETION.
4. WHERE KICKSPACES OCCUR AT MILLWORK, FLOOR FINISH SHOWN ON PLANS SHALL RUN UNDERNEATH KICKSPACE AS WELL.
5. IN AREAS WHERE SHEET VINYL FLOOR PATTERNS OCCUR, USE DARKER SOLID COORDINATING WELD ROD BETWEEN TWO SHEET VINYL COLORS.

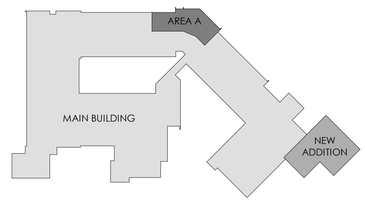
FLOOR PATTERNING KEY NOTES

- (A) PROVIDE SDT-1 IN QUARTER TURN INSTALLATION.
- (B) PROVIDE 6 COLOR CPT PATTERN, AS SCHEDULED. SEE 1/I303 FOR PATTERN DETAILS.
- (C) PROVIDE LVT-1 IN ASHLAR INSTALLATION.
- (D) PROVIDE LVT PATTERN, AS SCHEDULED. SEE SHEETS I301 & I305 FOR PATTERN DETAILS.
- (E) PROVIDE SV-1.
- (F) PROVIDE CPT PATTERN, AS SCHEDULED. SEE 1/I305 FOR PATTERN DETAILS.
- (G) PROVIDE WOC-1 IN QUARTER TURN INSTALLATION.
- (H) PROVIDE 5 COLOR LVT PATTERN, AS SCHEDULE. SEE I305 FOR PATTERN DETAILS.
- (J) PROVIDE TF-1.
- (K) PROVIDE SCON-1
- (L) PROVIDE 5 COLOR CARPET PATTERN, AS SCHEDULED. SEE 2/I303 FOR PATTERN DETAILS.
- (M) PROVIDE 3 COLOR LVT PATTERN, AS SCHEDULED. SEE SHEET I305A FOR PATTERN DETAILS.

CPT COLOR PATERNING LEGEND

- CPT-1; ASHLAR INSTALLATION
- CPT-2; ASHLAR INSTALLATION
- CPT-3; ASHLR INSTALLATION
- CPT-4; ASHLAR INSTALLATION
- CPT-5; ASHLAR INSTALLATION
- CPT-6; ASHLAR INSTALLATION

NOTE: SHEET TO BE PRINTED IN COLOR.



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PROJECT INFORMATION

Project Number
13940.20

Client Name
NEWBURGH ENLARGED CITY SCHOOL DISTRICT

Project Name
PHASE 5: 2019 CAPITAL IMPROVEMENTS PROJECT

SED # 44-16-00-01-0-018-009

Project Address
400 Old Forge Hill Rd, New Windsor, NY 12553

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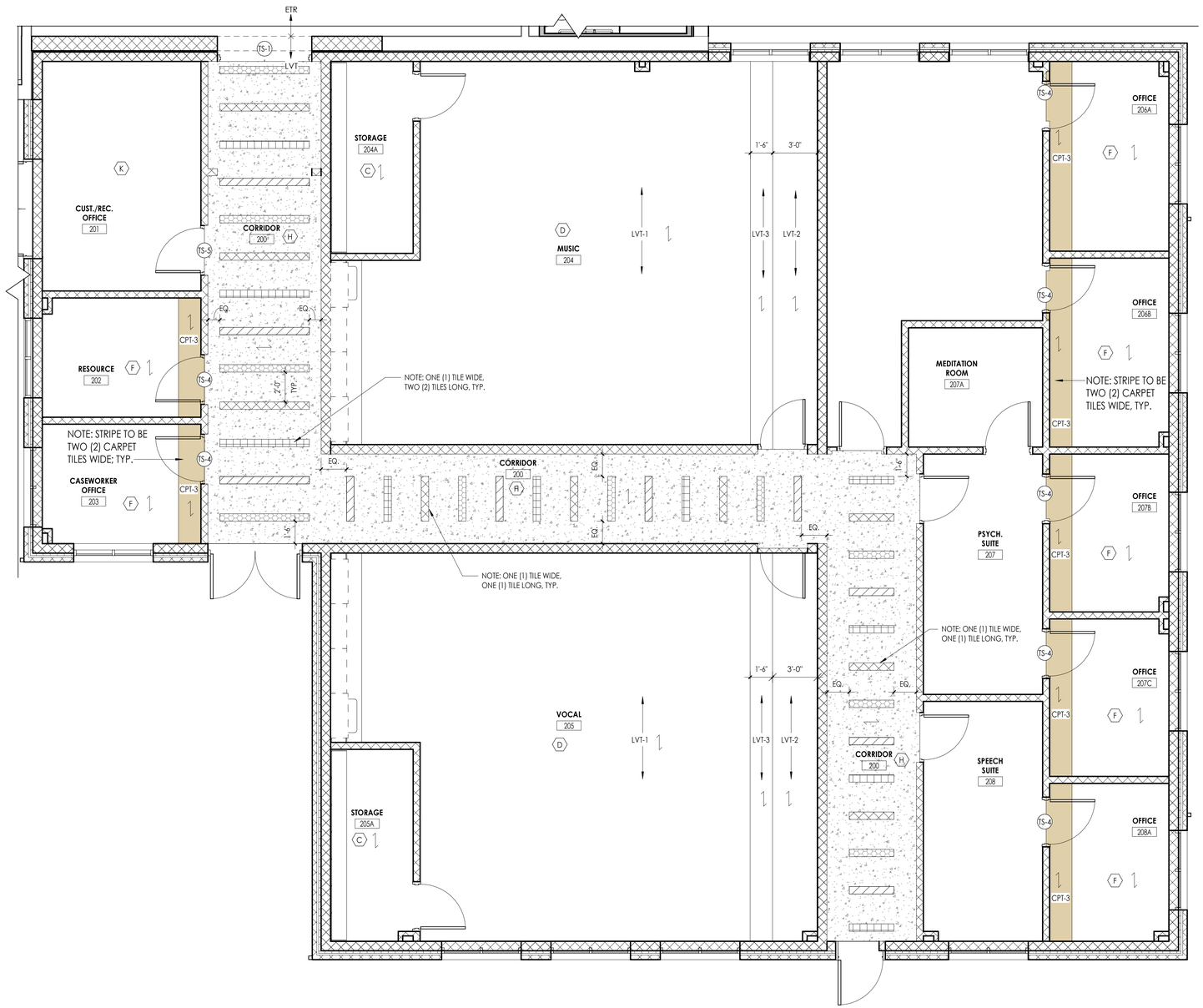
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Drawn By: ALH
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Drawing Title
PARTIAL FIRST FLOOR PATTERN PLAN -AREA A

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I303

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1 / 1304 **PARTIL FIRST FLOOR PATTERN PLAN - BASE BID - ADDITION**

1/4" = 1'-0"

FLOOR PATTERNING GENERAL NOTES

1. ALL FLOOR FINISHES SHALL TRANSITION AT THE CENTERLINE OF THE DOOR, UNLESS NOTED OTHERWISE (U.N.O.). INSTALL TRANSITION STRIPS PER DETAILS ON I1000.
2. ALL AREAS WITH INTEGRAL SHEET VINYL BASE SHALL BE AT 4" A.F.F. BASE SHALL BE THE SAME COLOR AS THE ADJACENT FLOORING MATERIAL, UNLESS NOTED OTHERWISE (U.N.O.).
3. ALL GROUT TO BE SEALED A MINIMUM OF TWO TIMES PRIOR TO COMPLETION.
4. WHERE KICKSPACES OCCUR AT MILLWORK, FLOOR FINISH SHOWN ON PLANS SHALL RUN UNDERNEATH KICKSPACE AS WELL.
5. IN AREAS WHERE SHEET VINYL FLOOR PATTERNS OCCUR, USE DARKER SOLID COORDINATING WELD ROD BETWEEN TWO SHEET VINYL COLORS.

FLOOR PATTERNING KEY NOTES

- (A) PROVIDE SDT-1 IN QUARTER TURN INSTALLATION.
- (B) PROVIDE 6 COLOR CPT PATTERN, AS SCHEDULED. SEE 1/I303 FOR PATTERN DETAILS.
- (C) PROVIDE LVT-1 IN ASHLAR INSTALLATION.
- (D) PROVIDE LVT PATTERN, AS SCHEDULED. SEE SHEETS I301 & I305 FOR PATTERN DETAILS.
- (E) PROVIDE SV-1.
- (F) PROVIDE CPT PATTERN, AS SCHEDULED. SEE 1/I305 FOR PATTERN DETAILS.
- (G) PROVIDE WOC-1 IN QUARTER TURN INSTALLATION.
- (H) PROVIDE 5 COLOR LVT PATTERN, AS SCHEDULE. SEE I305 FOR PATTERN DETAILS.
- (J) PROVIDE TF-1.
- (K) PROVIDE SCON-1
- (L) PROVIDE 5 COLOR CARPET PATTERN, AS SCHEDULED. SEE 2/I303 FOR PATTERN DETAILS.
- (M) PROVIDE 3 COLOR LVT PATTERN, AS SCHEDULED. SEE SHEET I305A FOR PATTERN DETAILS.

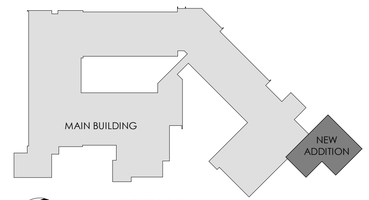
LVT COLOR PATTERNING LEGEND - BASE BID

- LVT-1; ASHLAR INSTALLATION
- LVT-2; ASHLAR INSTALLATION
- LVT-3; ASHLAR INSTALLATION
- LVT-4
- LVT-5

CPT COLOR PATERNING LEGEND

- CPT-1; ASHLAR INSTALLATION
- CPT-2; ASHLAR INSTALLATION
- CPT-3; ASHLR INSTALLATION
- CPT-4; ASHLAR INSTALLATION
- CPT-5; ASHLAR INSTALLATION
- CPT-6; ASHLAR INSTALLATION

NOTE: SHEET TO BE PRINTED IN COLOR.



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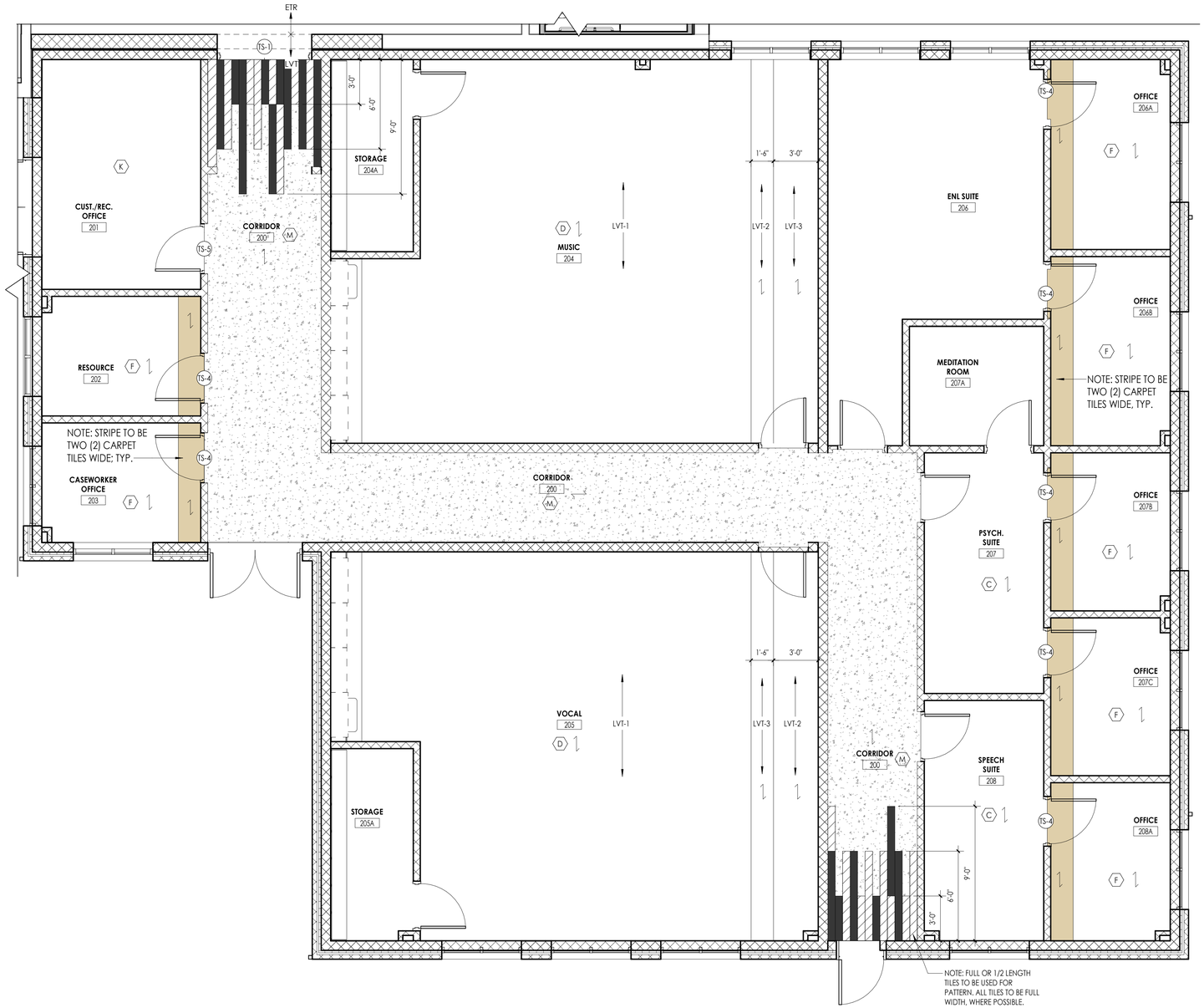
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Drawn By: ALH
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Drawing Title
NEW ADDITION FLOOR PATTERN PLAN

VG
I304

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1 / I304A **PARTIAL FIRST FLOOR PATTERN PLAN - ALTERNATE BID (GC-06) - ADDITION**

1/4" = 1'-0"

FLOOR PATTERNING GENERAL NOTES

1. ALL FLOOR FINISHES SHALL TRANSITION AT THE CENTERLINE OF THE DOOR, UNLESS NOTED OTHERWISE (U.N.O.). INSTALL TRANSITION STRIPS PER DETAILS ON I300.
2. ALL AREAS WITH INTEGRAL SHEET VINYL BASE SHALL BE AT 4" A.F.F. BASE SHALL BE THE SAME COLOR AS THE ADJACENT FLOORING MATERIAL, UNLESS NOTED OTHERWISE (U.N.O.).
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- (E) PROVIDE SV-1.
- (F) PROVIDE CPT PATTERN, AS SCHEDULED. SEE 1/I305 FOR PATTERN DETAILS.
- (G) PROVIDE WOC-1 IN QUARTER TURN INSTALLATION.
- (H) PROVIDE 5 COLOR LVT PATTERN, AS SCHEDULE. SEE I305 FOR PATTERN DETAILS.
- (J) PROVIDE TF-1.
- (K) PROVIDE SCON-1
- (L) PROVIDE 5 COLOR CARPET PATTERN, AS SCHEDULED. SEE 2/I303 FOR PATTERN DETAILS.
- (M) PROVIDE 3 COLOR LVT PATTERN, AS SCHEDULED. SEE SHEET I305A FOR PATTERN DETAILS.

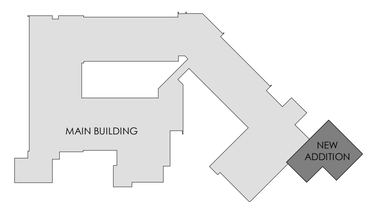
LVT COLOR PATTERNING LEGEND - ALTERNATIVE BID (GC-06)

- LVT-1; ASHLAR INSTALLATION
- LVT-2; ASHLAR INSTALLATION
- LVT-3; ASHLAR INSTALLATION

CPT COLOR PATERNING LEGEND

- CPT-1; ASHLAR INSTALLATION
- CPT-2; ASHLAR INSTALLATION
- CPT-3; ASHLR INSTALLATION
- CPT-4; ASHLAR INSTALLATION
- CPT-5; ASHLAR INSTALLATION
- CPT-6; ASHLAR INSTALLATION

NOTE: SHEET TO BE PRINTED IN COLOR.



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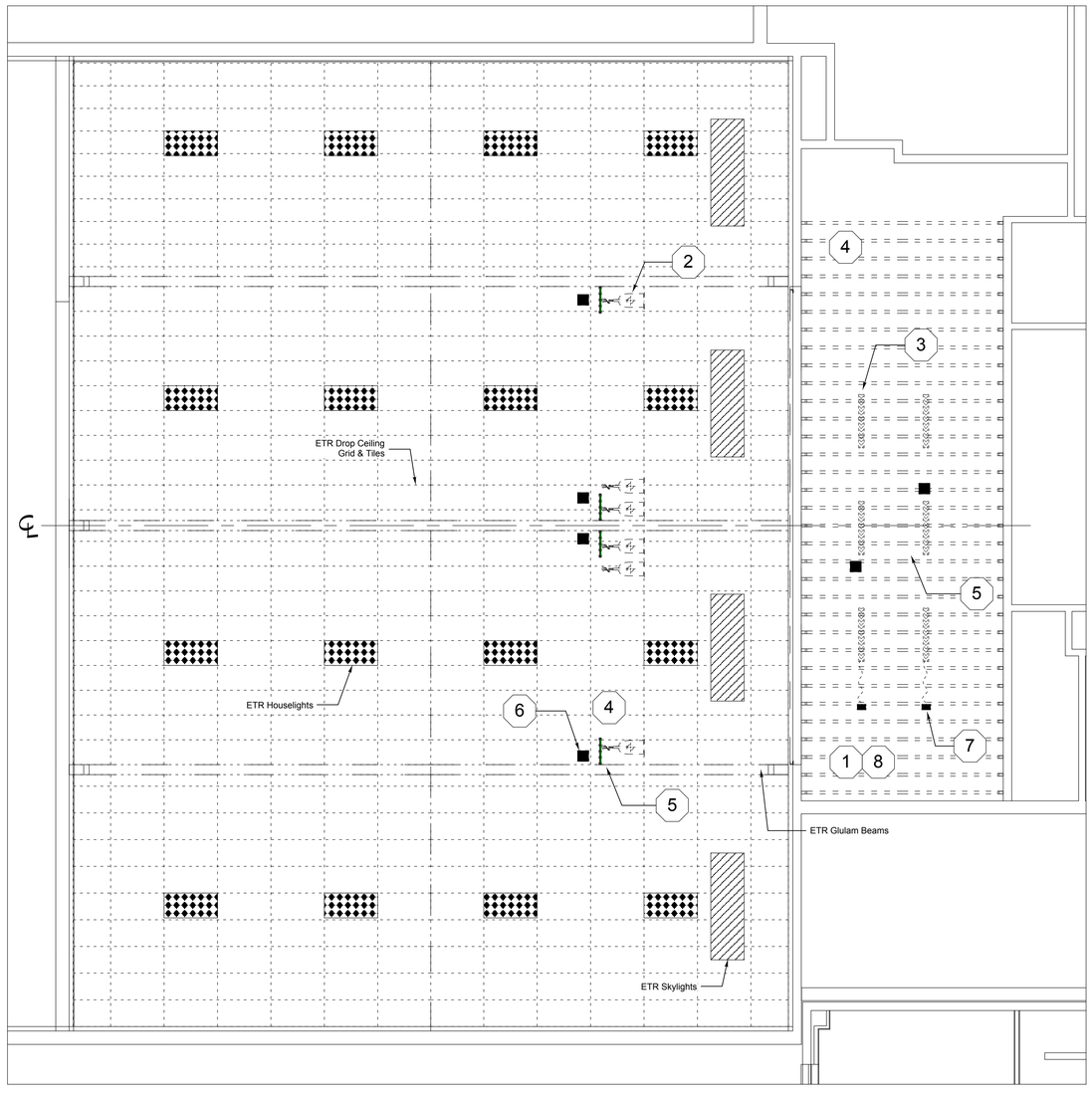
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Drawing Title
NEW ADDITION FLOOR PATTERN PLAN - ALTERNATE GC-06

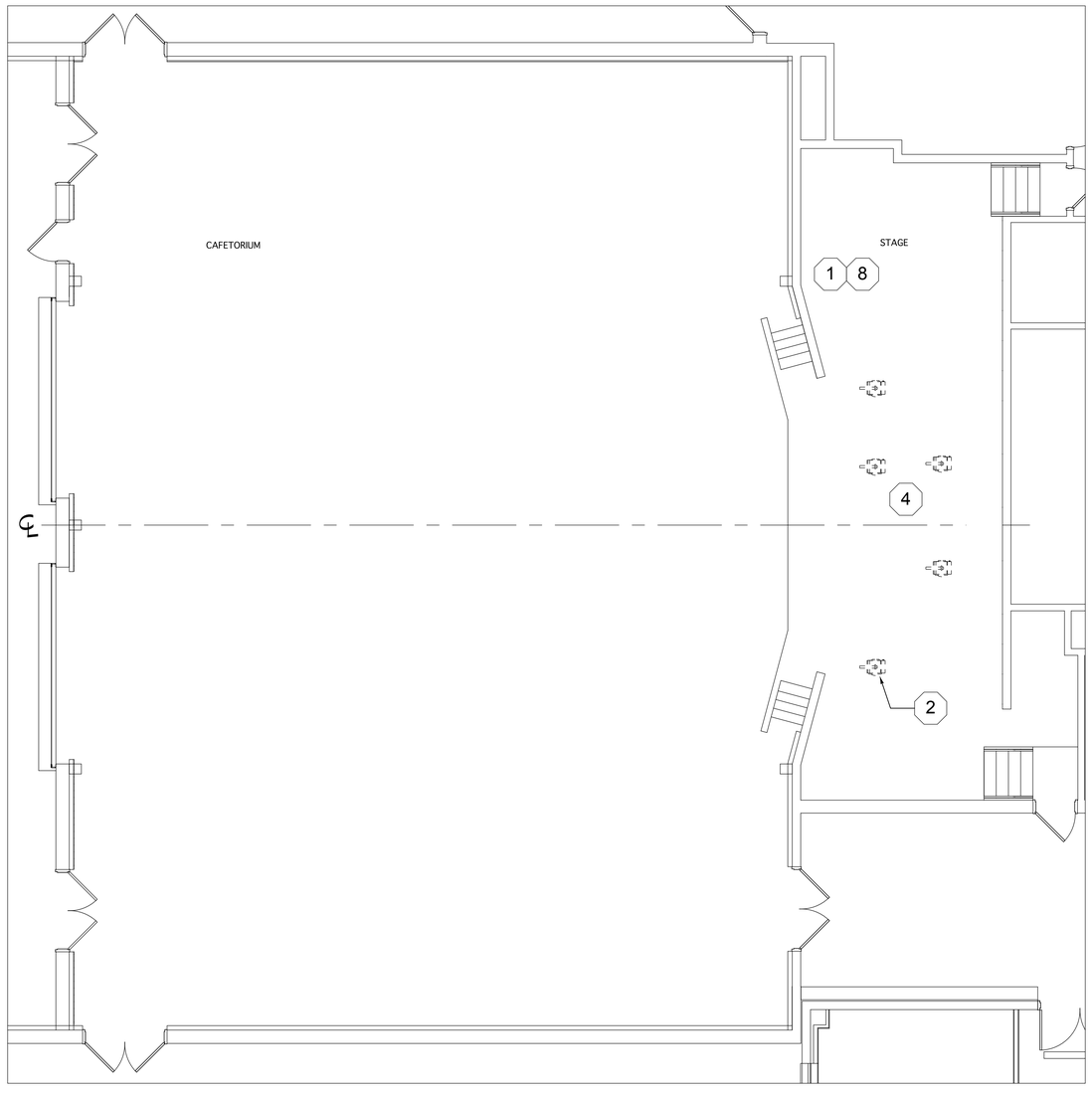
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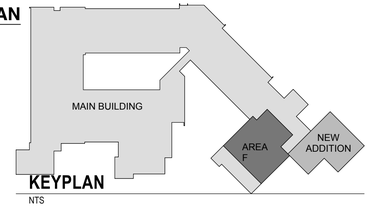
REFER TO DRAWINGS VG TL60X - VG TL60X FOR ALL LIGHTING RELATED REMOVAL NOTES, DRAWING NOTES, BUBBLE NOTES, KEYS, SCHEDULES, TABLES, ELECTRICAL RELATED NOTES AND OTHER INFORMATION THAT PERTAIN TO THE TL SERIES DRAWINGS.



1 **UPPER LEVEL LIGHTING REMOVAL PLAN**
Scale: 3/16" = 1'



2 **LOWER LEVEL LIGHTING REMOVAL PLAN**
Scale: 3/16" = 1'



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PROJECT INFORMATION

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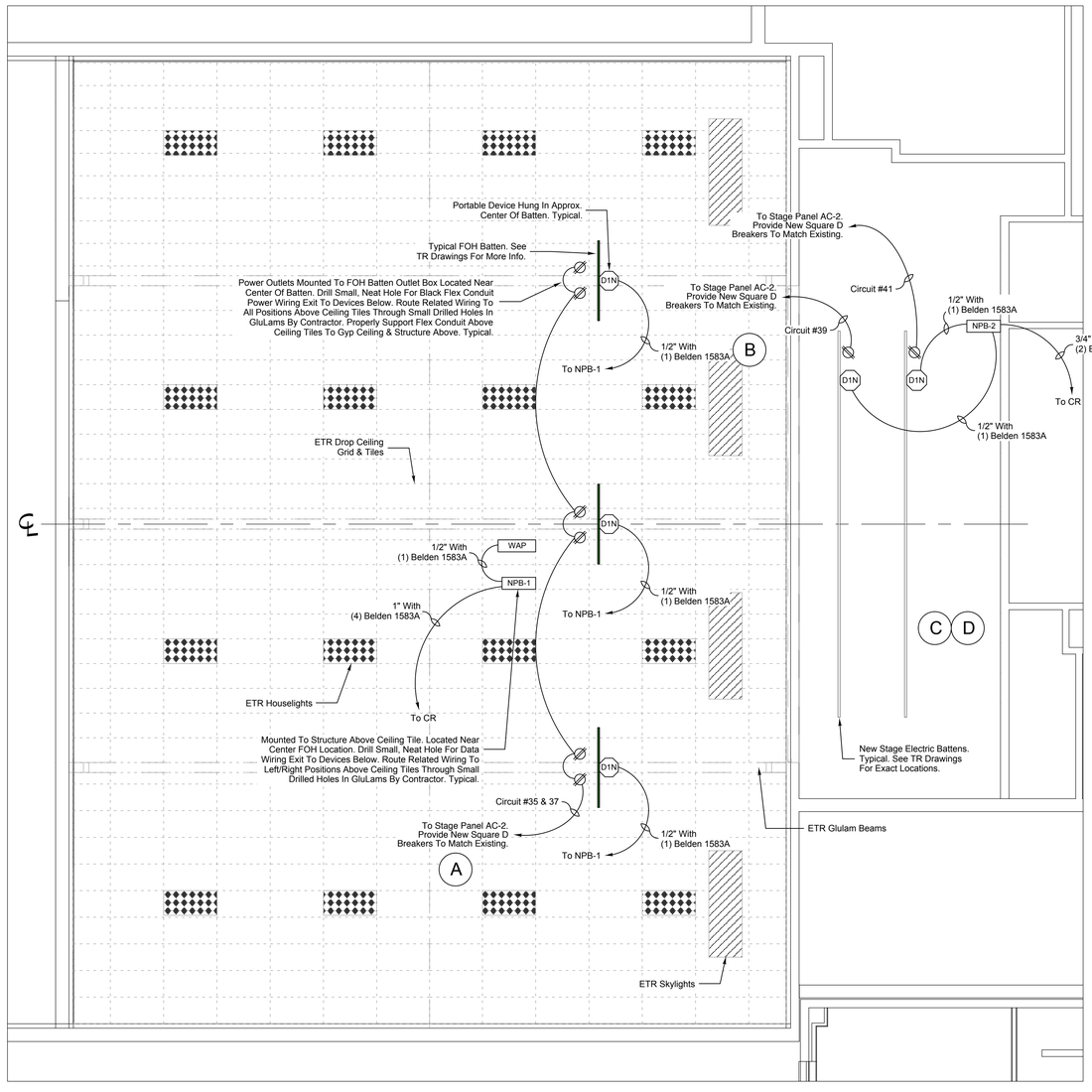
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Drawn By: SPJ
Checked By: SPJ

Drawing Title
THEATRICAL LIGHTING SYSTEM REMOVAL PLANS - GROUND FLOOR AREA F

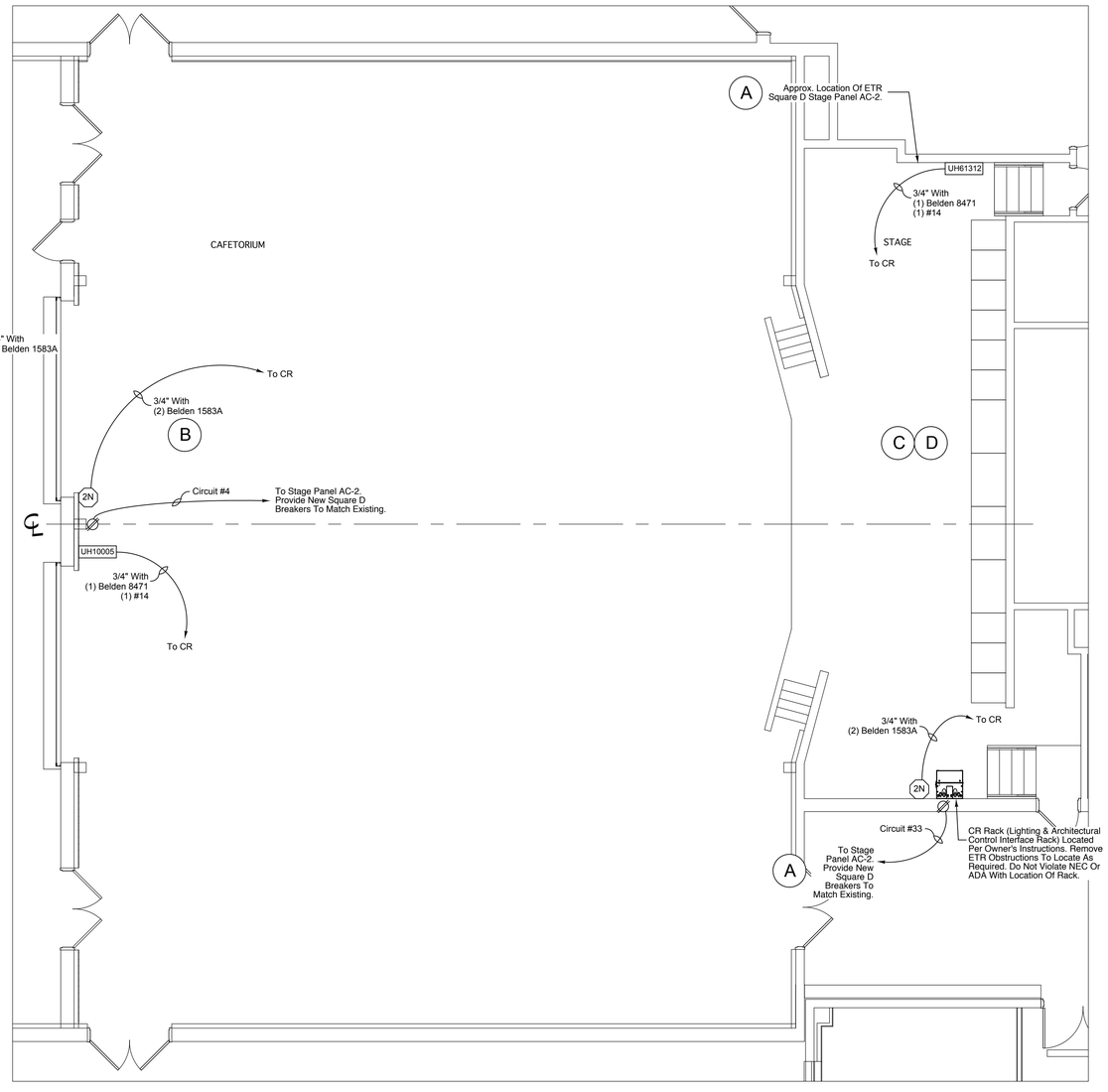
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TL101

REFER TO DRAWINGS VG TL60X - VG TL60X FOR ALL LIGHTING RELATED REMOVAL NOTES, DRAWING NOTES, BUBBLE NOTES, KEYS, SCHEDULES, TABLES, ELECTRICAL RELATED NOTES AND OTHER INFORMATION THAT PERTAIN TO THE TL SERIES DRAWINGS.



1 UPPER LEVEL LIGHTING CONTROL PLAN

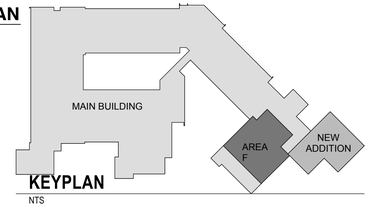
Scale: 3/16" = 1'



2 LOWER LEVEL LIGHTING CONTROL PLAN

Scale: 3/16" = 1'

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1788 PENFIELD ROAD • PENFIELD, NY 14526
PHONE: (585) 586-1100 • FAX: (585) 586-1143

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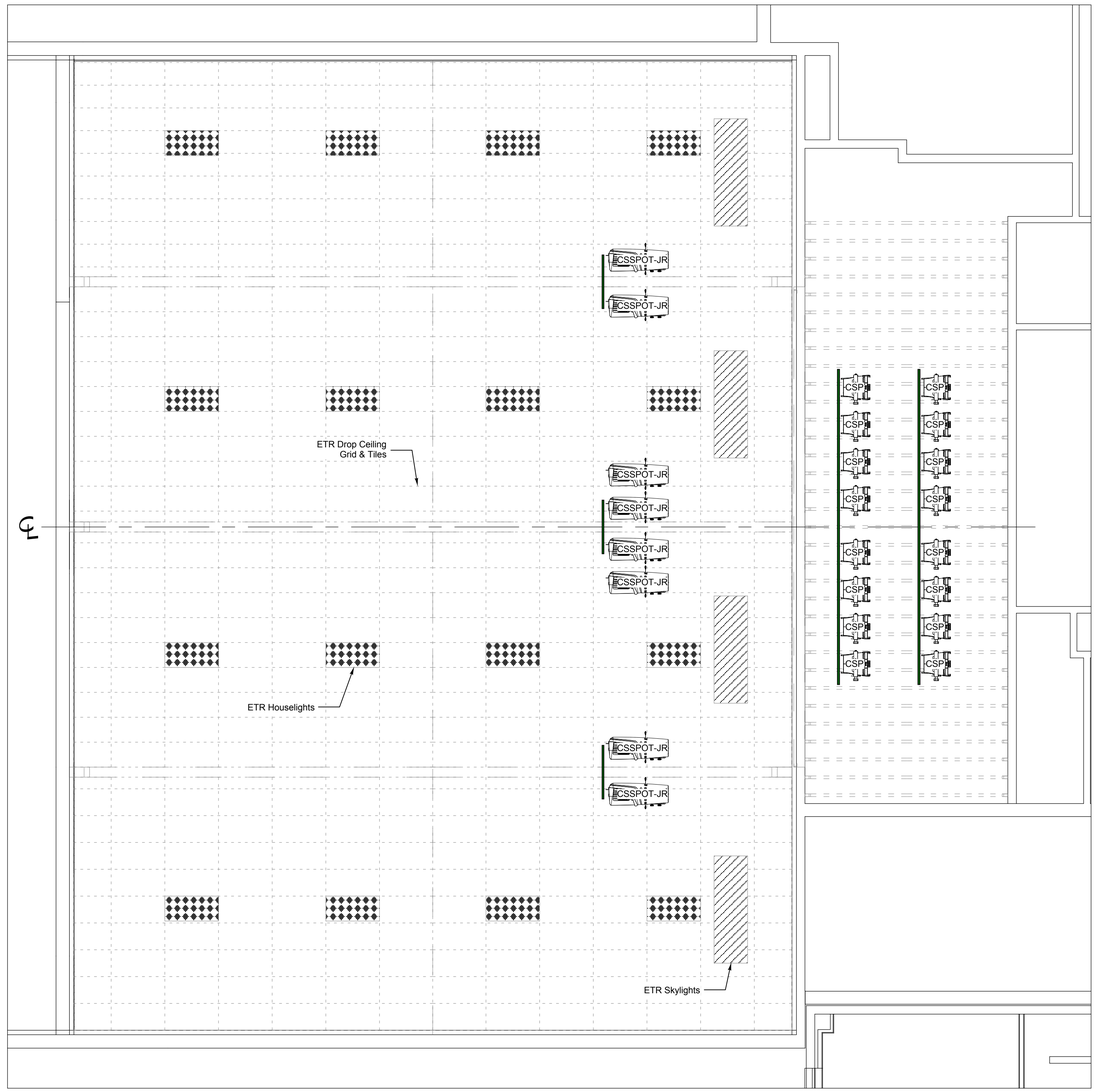
SHEET INFORMATION

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Drawn By: SPJ
Checked By: SPJ

Drawing Title
THEATRICAL LIGHTING SYSTEM CONTROL PLANS - GROUND FLOOR AREA F

VG
TL301



1 **THEATRICAL FIXTURE PLAN**
Scale: 3/16" = 1'

KEY TO FIXTURE SYMBOLS:

Symbol	Fixtures	Lamp
CSP	ETC ColorSource Par RGB-L LED Fixture. Set Up Each Fixture In 5-Channel DMX Operating Mode. Provide With All Waterfall Power & Individual DMX Interconnect Cabling, Hanging Yoke With A C-Clamp For Each Fixture & All Misc. Hardware Needed In Order To Assemble & Interconnect These Fixtures. Provide With Both Round & Oblong Field Medium Lenses.	(40) Luxeon Z LED Emitters - (5) Per Optic - (8) Optic Chipsets (Included With Fixture)
CSSPOT-JR	ETC ColorSource Spot JR Fixture With Edison Connector & 25-50 Degree Manual Zoom. Set Up Each Fixture With Individually Addressed Units In 5-Channel DMX Operating Mode. Provide With All Power & Individual DMX Interconnect Cabling, Hanging Yoke With A C-Clamp & All Other Misc. Hardware Needed In Order To Assemble & Interconnect These Fixtures.	(52) Lumileds Luxeion C LED Emitters - (Included With Fixture)

Note: All Fixtures & Lamps Shall Be 120 Volt Versions.

Provide All Fixtures With Malleable Iron C-Clamp (Except As Noted Otherwise), 30" Black Safety Cable With 5/16" Spring Clip (Motorized Head Fixtures Each Get Two), Gel Frame & Holder And 36" Long Power Cable (Unless Otherwise Noted).

Label Each Fixture, Data & Lighting Power Cable As To Type & Length At End With Self-Laminating Or Clear Heat Shrink Style Labels.

All Devices Have Been Located In Approx. Installation Locations; However, Obtain All Final Locations In Writing From The Owner Or Owner's Representative Prior To Locating Fixtures & Incorporating Into Overall Focus Plot (This Includes Locations For All Previously Removed Fixtures Being Incorporated Into New Focus Plot-None Of These Fixtures Have Been Shown On This Plan. Fixtures Shown Here Are New Fixtures Only).

Swap Out (At No Additional Cost) Ellipsoidal Barrels As Needed In Order To Satisfy Owner & Provide Appropriate Beam Spread Patterns For All Positions)

Provide All Fixtures In This Symbols Key With All Of The Appropriate Portable Cabling, C-Clamps, Safety Cables, Etc. As Needed In Order To Provide A Complete & Functioning System. This Includes DMX Addressing & Setup, PowerCon & Network Cables, Spare Lamps, Etc. As Well As All Tie Lines, Yoke Markings, Etc. The TC Shall Uncrate, Assemble, Burn-In, Address, Group, Hang & Focus All Of These Fixtures Per The Owner's Instructions, Ready For Use. All Accessories, Markings, Etc. Noted Are Required For All Fixtures.

Provide Spare Lamps For Incandescent Fixtures As Indicated In These Symbols Keys, In Removals Notes & In Written Specifications. Typically 10% Spares Is Required.

Label Each Fixture Yoke With Fixture Wattage, DMX Address, Etc. In Black Block Lettering On Safety Yellow Gaff Tape Or Other Durable Label.

PROVIDE THE FOLLOWING PORTABLE EQUIPMENT:

Equipment	Quantity
5' Portable Network Cables	6
10' Portable Network Cables	6
5' Portable Gender-Bender DMX Cables - M/M	2
5' Portable Gender-Bender DMX Cables - F/F	2
Neutrik Ethercon Coupler (NAC3M M-1)	2
5' Portable DMX Cables	6
10' Portable DMX Cables	6
5' 12/3 PowerCon/PowerCon Jumpers	6
10' 12/3 PowerCon/PowerCon Jumpers	4
5' - 12 Gauge Lex Products PowerData Combo Cable PowerCon-DMX/PowerCon-DMX Jumpers (3 Pin/5 Pin As Required)	4
10' - 12 Gauge Lex Products PowerData Combo Cable PowerCon-DMX/PowerCon-DMX Jumpers (3 Pin/5 Pin As Required)	2
Samson Tie Line/Rip-Tie Hook & Loop Velcro. 500'/600' Rolls. Black. Breaking Strength Approx. 100 Lbs./WLL 15 Lbs.	1

Note: Portable Equipment Schedule Is Spare Portable Cabling And All Cabling Is Intended To Be A Spare Inventory Of Cabling For The Owner's Use & For Interfacing Lighting Equipment To Duplex, Pin & Connector Strip Outlets And For Interfacing Multiple Fixtures Per Circuit Plug.

The Cables & Portable Equipment Indicated On This Schedule Are Not All Inclusive & Are In Addition To Those Noted Elsewhere On This & Other Drawings & Are In Addition To Those Needed To Interconnect Fixtures/Connector Strips/Outlets Shown. Provide Any & All Additional Cables As Necessary For A Complete & Fully Functioning Lighting System, Even If Those Cables Do Not Appear On This Or Other Schedules.

M/F - Stands For Male To Female.
M/M - Stands For Male To Male.
F/F - Stands For Female To Female.

Provide Cables & Training To Owner On Proper Use Of Cables & Cable Wire Gauges. Do Not Exceed Rated Amperage Of Cabling.

Provide All DMX Style Interface Cables With The Pin Configuration Of The Furnished Fixtures (3 Pin Or 5 Pin). Provide Adapter Cables As Necessary.

Provide All Daisy Chained Fixture Cabling As 12 Ga. LEX Products PowerData Combo Cable In Lengths As Required.

For All Powercon Cables - Provide The Specific Types/Style Connector As Required For The Fixtures Included In This Project. Some May Require Standard Powercon Connectors. Some May Require Powercon True1 Connectors. If There Are A Variety, Then Provide A Balanced Mix Of Jumpers Per The Ratio Of Fixtures Needing Them.

Label Each Portable Cable As To Type & Length At Both Ends With Self-laminating Or Clear Heat Shrink Style Labels.

All Cables Listed Above Shall Be Provided In Black.

See Other TL Series Drawings For Additional Details Regarding Some Of The Above Listed Devices & Cables.

REFER TO DRAWINGS VG TL60X - VG TL60X FOR ALL LIGHTING RELATED REMOVAL NOTES, DRAWING NOTES, BUBBLE NOTES, KEYS, SCHEDULES, TABLES, ELECTRICAL RELATED NOTES AND OTHER INFORMATION THAT PERTAIN TO THE TL SERIES DRAWINGS.

NOTES:

The Cable Lengths Indicated In The Included Keys/Tables Are In Addition To All Required Hookup Cabling For The Initial Focus Plot. All Indicated Cabling Is Intended To Be The Owner's Spare Portable Cabling Inventory That Can Be Used To Interface New Fixtures Into The Plot And/Or To Reconfigure/Combine Existing Fixtures Per Future Requirements.

For All Cabling Required For The Initial Fixture Plot Interconnects, Field Verify & Provide All Required Cabling In Order To Mount Fixtures Per Owner's Lighting Plot. Ensure That All Initial Plot Cable Lengths Are Of Sufficient Length For The Indicated Interconnection And Placement Of Devices. If Longer Cable Lengths Are Required To Reach Device Placements, Then Provide Longer Cables As Needed. All Cabling Should Have Sufficient Length To Reach The Next Indicated Device Without Stretching The Cable, Swagging The Cable Unsupported Through The Air Between Fixtures Or Stressing The Connectors. Typical Cable Dress Should Be From Device, Back Through Fixture Yoke, Neatly Wrapped Along Pipe To Next Device Location, Through Fixture Yoke And Then To The Indicated Device. No Cables Are To Be Stretched From Device To Device Through The Light Output Pattern Of A Fixture Or Across The Path Of Any Other Device. This Note DOES NOT Apply To Any Cables In The Spare Portable Equipment List. Provide Those Types Of Cables In The Lengths Indicated.

Every Portable Cable Shown Or Referenced On The TL Series Drawings Shall Have One 24" Piece Of Samson Black Braided Tie Line/Rip-Tie Hook & Loop Black Velcro (16" Tie Line For Portable Cables Under 8' In Overall Length) Choked Onto One End Approx. 1" From The Connector.

Terminate DMX Runs As Required. This Is To Ensure Constant Voltage Across All Units, To Maintain Data Signal Integrity & Full Fixture Functionality, To Reduce Line Loss And To Provide Data Signal Termination As Required And As Specified By Each Manufacturer.

Stage Par Fixtures: The Intent Is For These Fixtures To Be Used As RGB Color Borderlight/Stage Wash Fixtures. Install All Stage LED Fixtures In A Vertical Orientation (Fixtures Pointing Straight Down At Stage Floor) And On The Stage Electric Pipe Battens Indicated. Fixtures Shall Be Spaced Evenly Across The Electric Set Batten So That Light Output Is Even Within Proscenium Opening (Side-To-Side) With Center-To-Center Coverage. Fixtures Shall Be Initially Grouped Onto Console Control Channels (One For Lamp Intensity & One For Color) In Order For Owner To Quickly & Easily Change The Color & Intensity Of The Entire Group Of Fixtures At The Same Time.

The Physical Fixture Layout Locations Shown On This Drawing Are Not Intended To Be A Final Lighting Plot. The Actual Fixture Plot & Physical Fixture Layout Is TBD By The Owner During The Focus Plot Day(s) And Arranged As Such By The Installing Contractor. Fixtures Shown In Line With Other Fixtures, Even If They Appear Beyond The End Of A Connector Strip Or Other Related Device, Are Intended To Be Mounted On That Same Batten Or Device Together With The Others Next To Them.

Gather All Bundled Cabling Together Every 12" With Black Cord-Lox Style Velcro Closed Loop Series Tie Wraps. Tie Wraps Shall Be Installed Snugly But Not Too Tightly.

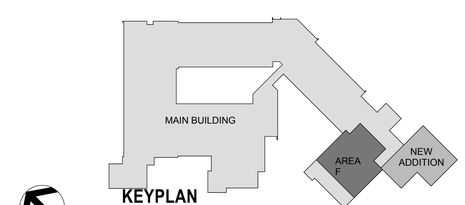
The Theatrical Lighting Fixtures Shall Not Be Installed In This Space Until All Dust Creating Work, Paint Work, Drywall Work, Sanding Work Has Been Completed And All Dust/Debris Has Been Cleaned Up. If Fixtures Must Be Installed Prior To Completion Of This Work Or Cleanup, Then They Must Be Fully Wrapped In Heavy Duty Plastic Bags That Are Taped Shut. Fixtures May Not Be Powered On Or Even Plugged Into Power While Bagged.

Instruct The Owner On The Hazards Of Leaving Theatrical Fixtures On For Long Periods Of Time While Aimed Directly At Sensitive Items Such As Curtains, Scrims, Cycloramas, Projection Screens Or Shells. Fixtures Should Only Be On For The Duration Of Scenes, Etc. And Not Aimed At Or Focused On Full For Hours Onto Any Potentially Flammable Items Such As Those Noted Above, Even Though These Items May Have Flame Retardant Characteristics.

FIXTURE WARRANTY NOTE:

ANY FIXTURE SUBSTITUTED FOR THE SPECIFIED ETC LED FIXTURES PROVIDED AS PART OF THIS PROJECT SHALL FEATURE THE FOLLOWING WARRANTIES TO MATCH THE SPECIFIED MANUFACTURER'S STANDARD WARRANTY:

• 5 YEAR FULL FIXTURE WARRANTY
• 10 YEAR LED ARRAY WARRANTY



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PROJECT INFORMATION

Project Number
13940.20

Client Name
NEWBURGH ENLARGED CITY SCHOOL DISTRICT

Project Name
PHASE 5: 2019 CAPTIAL IMPROVEMENTS PROJECT

SED # 44-16-00-01-0-018-009

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Checked By: SPJ

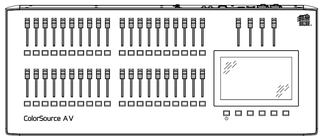
Drawing Title
THEATRICAL LIGHTING SYSTEM FIXTURE PLAN - GROUND FLOOR AREA F

VG
TL302

Provide:

(1) ETC ColorSource CS40 Lighting Console
(1) iPad With Accessories - See Description To The Right
(1) LCD Monitor - 19" NEC Multisync EA222WME 16:9 Or Equal - Black
(2) 25' Portable Network Cables (Console To Network Plate - Gepco CT Series Heavy-Duty Tactical Style Cables)
(1) 25' Black Edison To Edison Extension Cord
(1) SL Waber-by-Tripp Lite Deluxe Style Metal Box Multiple Outlet Strip
(1) 6' HDMI Cable (Console To Monitor)
(1) APC Smart-UPS 1500VA Pure Sine Wave USB Model # SMT1500X413 (Locate As Required - To Power Lighting Console, LCD Monitor & Related Equipment)
(2) X-LED Series Littlelight Gooseneck Work Lights (Provide Powered Base As Needed & 18" Long Versions Of Fixtures)
(1) USB Extended Keyboard - Black
(1) USB 2-Button Laser Mouse - Black
(1) Multi-port USB Hub
(1) 32GB USB Memory Stick (Thumb Drive)

Any Other Miscellaneous Cables Needed To Complete The System. See Other TL Series Drawings For More Information. Note That All Loose Lighting Or Power Cables & Wiring Must Be Dressed Neatly With Tie Wraps & Eyes Or Ring Runs & Tucked Up Against Underside Of Lighting Countertop.



ETC ColorSource CS40 Control Console
With Pelican I186X Case For Console

19" NEC Multisync EA222WME
16:9 LCD Monitor - Black

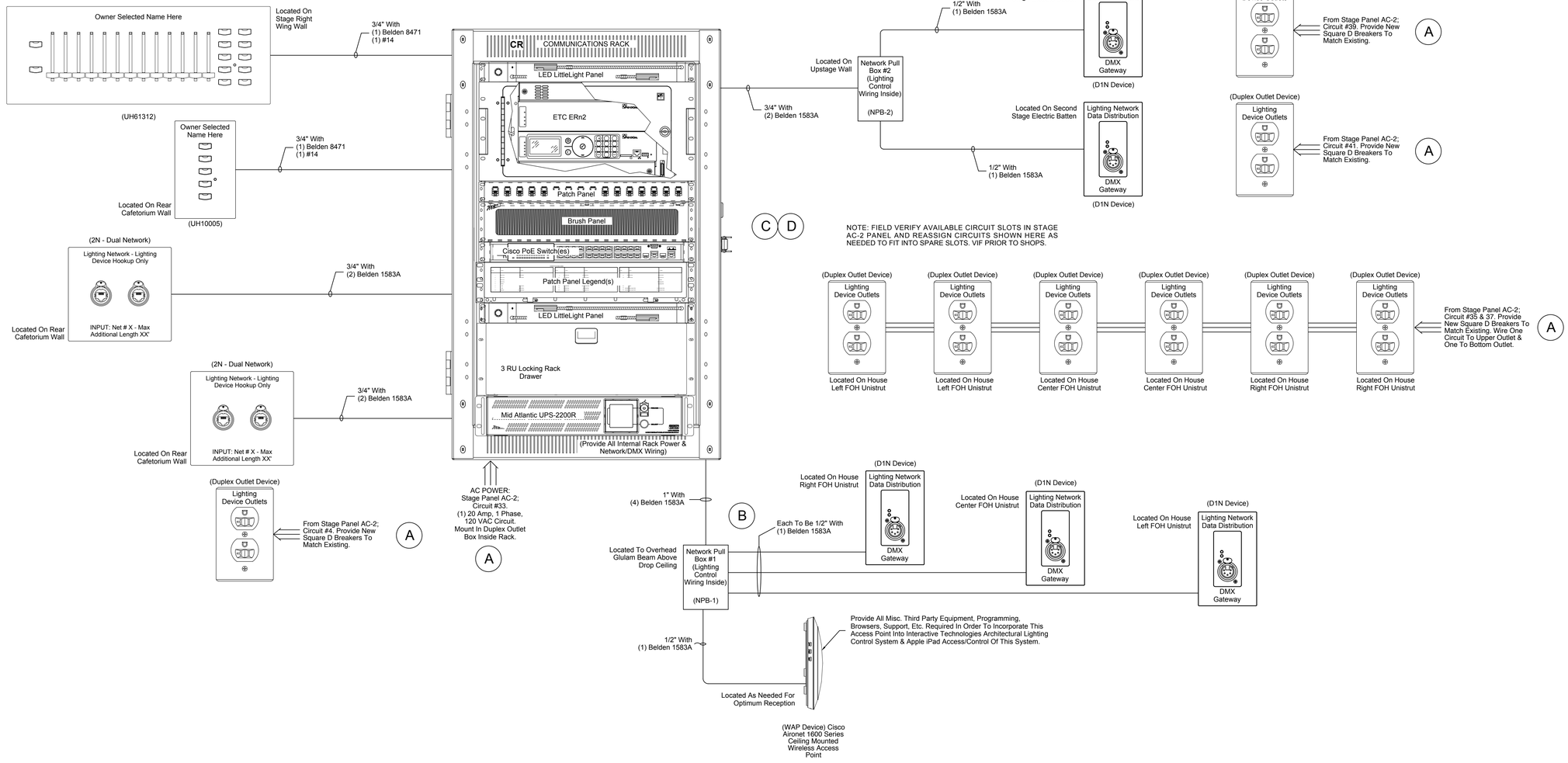


Silver 11" Apple iPad Pro (32 GB With WiFi) With The Wireless Remote Focus & Preset Control Software App.

Provide (1) Apple iPad Pro With Both The Alien Stagecraft oscRFR, Paradigm Touchscreen Remote, MyETC: Photometrics & Paradigm Mobile Button Station Software Apps Preloaded And Fully Configured (Programmed Per Specifications) & Lenovo Wireless Router(s) (Locate In Control Booth, Aud Ceiling Or As Needed For Optimum Reception In Room). Verify With The Audio & AV Systems & Related Equipment That The Placement Of The Wireless Router Does Not Cause Wireless Microphone Or Other Audible/Visible Interferences, Digital Hash, RF Interference, Buzzes, Etc. If There Are Any Interference Issues, The TC Shall Be Responsible For All Relocations Of His Equipment, Etc. Needed In Order To Eliminate These Problems Caused By The iPad's Related Wireless Router. This Does Not Include Any Equipment Or Wiring By Other Contractors. Load & Program Up To (10) User Provided Mobile Devices With Above Apps.

Located In Portable Cases

REFER TO DRAWINGS VG TL60X - VG TL60X FOR ALL LIGHTING RELATED REMOVAL NOTES, DRAWING NOTES, BUBBLE NOTES, KEYS, SCHEDULES, TABLES, ELECTRICAL RELATED NOTES AND OTHER INFORMATION THAT PERTAIN TO THE TL SERIES DRAWINGS.



1 LIGHTING SYSTEM & POWER DISTRIBUTION SINGLE LINE FLOW DIAGRAM

SCALE: NONE

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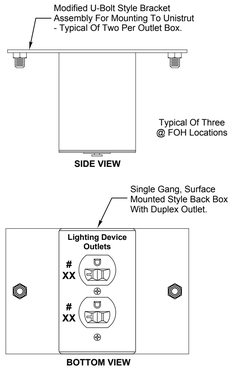
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Checked By: SPJ

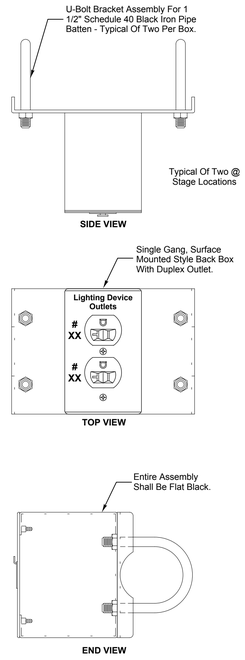
Drawing Title
THEATRICAL LIGHTING SYSTEM SINGLE LINE FLOW DIAGRAM - GROUND FLOOR AREA F

VG
TL401



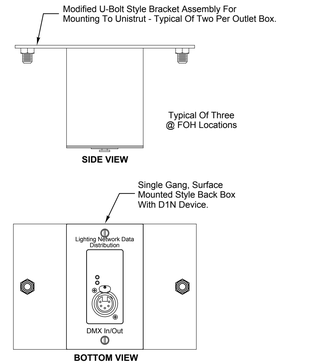
1 CUSTOM POWER DISTRIBUTION BOX

Scale: 4" = 1'



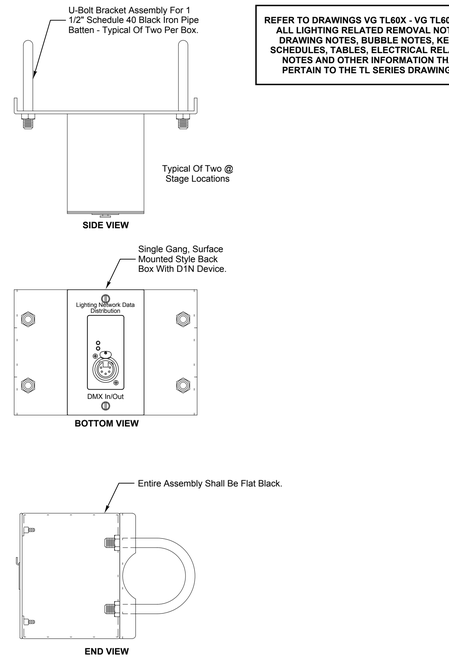
2 CUSTOM POWER DISTRIBUTION BOX

Scale: 4" = 1'



3 CUSTOM NETWORK DISTRIBUTION BOX

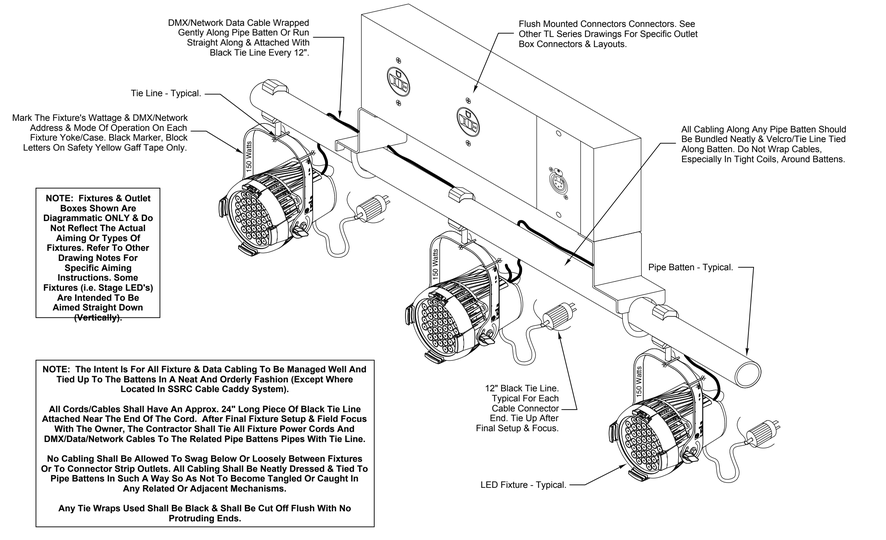
Scale: 4" = 1'



4 CUSTOM NETWORK DISTRIBUTION BOX

Scale: 4" = 1'

REFER TO DRAWINGS VG TL60X - VG TL60X FOR ALL LIGHTING RELATED REMOVAL NOTES, DRAWING NOTES, BUBBLE NOTES, KEYS, SCHEDULES, TABLES, ELECTRICAL RELATED NOTES AND OTHER INFORMATION THAT PERTAIN TO THE TL SERIES DRAWINGS.



NOTE: Fixtures & Outlet Boxes Shown Are Diagrammatic ONLY & Do Not Reflect The Actual Aiming Or Types Of Fixtures. Refer To Other Drawing Notes For Specific Aiming Instructions. Some Fixtures (i.e. Stage LED's) Are Intended To Be Aimed Straight Down (Vertically).

NOTE: The Intent Is For All Fixture & Data Cabling To Be Managed Well And Tied Up To The Battens In A Neat And Orderly Fashion (Except Where Located In SSRC Cable Caddy System).

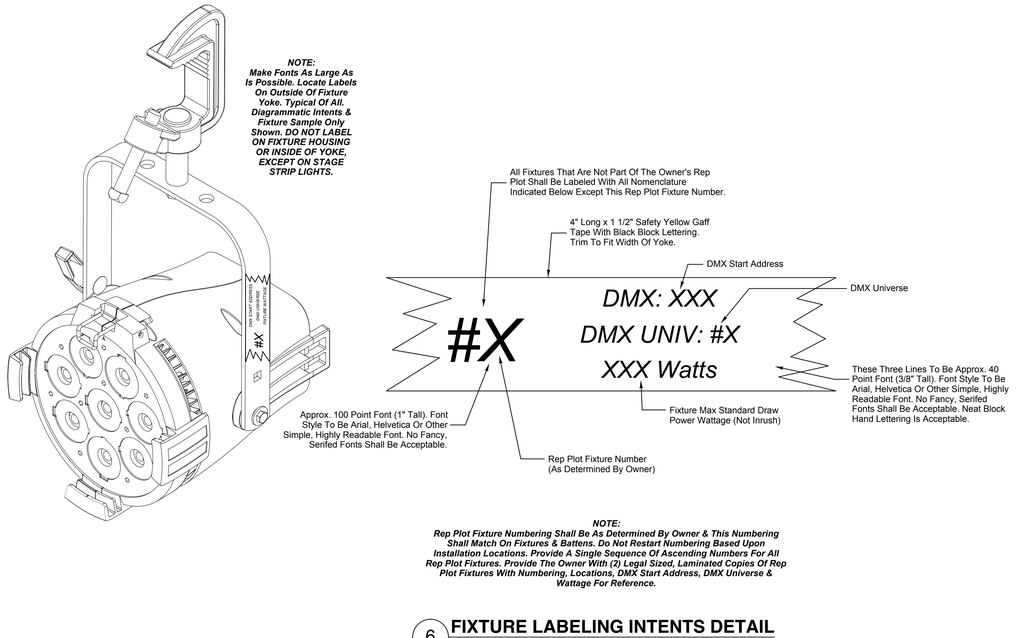
All Cords/Cables Shall Have An Approx. 24" Long Piece Of Black Tie Line Attached Near The End Of The Cord. After Final Fixture Setup & Field Focus With The Owner, The Contractor Shall Tie All Fixture Power Cords And DMX/Data/Network Cables To The Related Pipe Battens Pipes With Tie Line.

No Cabling Shall Be Allowed To Swag Below Or Loosely Between Fixtures Or To Connector Strip Outlets. All Cabling Shall Be Neatly Dressed & Tied To Pipe Battens In Such A Way So As Not To Become Tangled Or Caught In Any Related Or Adjacent Mechanisms.

Any Tie Wraps Used Shall Be Black & Shall Be Cut Off Flush With No Protruding Ends.

5 CABLE MANAGEMENT DETAIL

Scale: NONE



NOTE:
Rep Plot Fixture Numbering Shall Be As Determined By Owner & This Numbering Shall Match On Fixtures & Battens. Do Not Restart Numbering Based Upon Installation Locations. Provide A Single Sequence Of Ascending Numbers For All Rep Plot Fixtures. Provide The Owner With (2) Legal Sized, Laminated Copies Of Rep Plot Fixtures With Numbering, Locations, DMX Start Address, DMX Universe & Wattage For Reference.

6 FIXTURE LABELING INTENTS DETAIL

Scale: NONE

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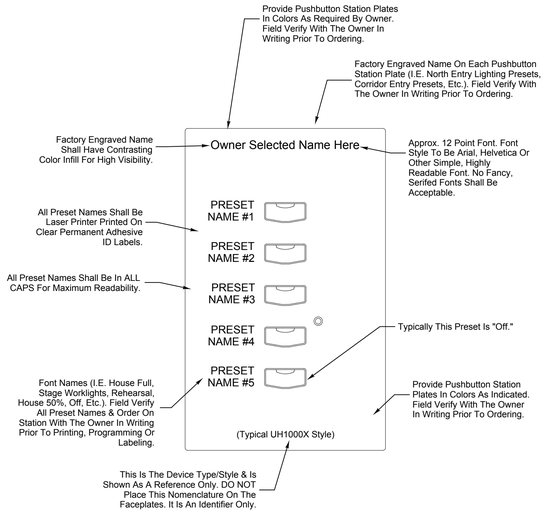
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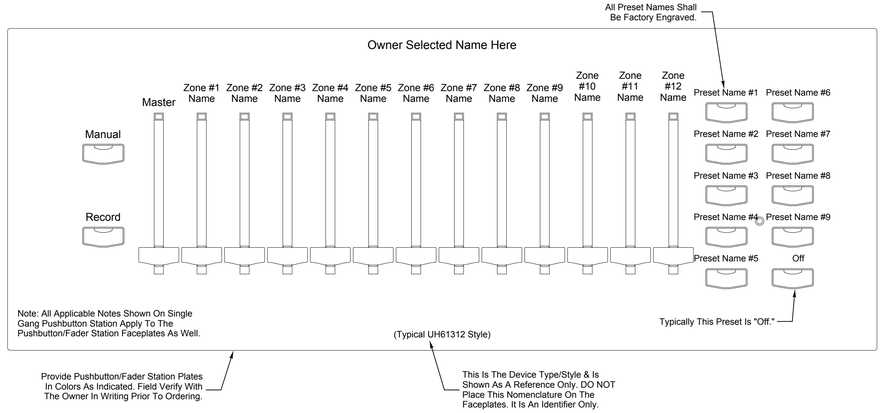
Drawn By: SPJ
Checked By: SPJ

Drawing Title
THEATRICAL LIGHTING SYSTEM DETAILS - GROUND FLOOR AREA F

VG
TL501

REFER TO DRAWINGS VG TL60X - VG TL60X FOR ALL LIGHTING RELATED REMOVAL NOTES, DRAWING NOTES, BUBBLE NOTES, KEYS, SCHEDULES, TABLES, ELECTRICAL RELATED NOTES AND OTHER INFORMATION THAT PERTAIN TO THE TL SERIES DRAWINGS.





ARCHITECTURAL CONTROLS PROGRAMMING REQUIREMENTS (PUSHBUTTON/FADER STATIONS) :

1. Stage level stations shall control the stage worklight circuits ONLY. The pushbutton stations are not to control any other lights. One push of the pushbutton shall toggle lights on, and a second push shall toggle them off.
2. House & Balcony stations shall control various houselighting preset "looks" (i.e. walk-in, rehearsal, balcony only, main floor only, underbalcony only). The preset "looks" (via the preset buttons) shall be as directed by the owner or owner's representative. The last button shall be OFF.

[All pushbutton stations shall be programmed so that, when no presets are selected and no lights are on, there is an LED or button on each station that is lit so that the stations are readily visible in the dark. All pushbutton stations and LCD screens MUST have the capability to recall ANY preset look the owner wishes, including conventional theatrical, houselighting and LED color mixing fixtures. All pushbutton stations shall be programmed so that presets are triggered in a mutually exclusive hierarchy (turning the previous preset off as it engages the selected preset). NO pile-on style presets shall be allowed. All faders shall be programmed per owner's instructions (typically faders control groups of similar fixtures and/or fixtures in similar locations as a group).].

Program the architectural lighting system so that, once ANY preset is engaged or recalled, ALL system relay channels in ALL dimmer racks are powered ON.

1 PUSHBUTTON & FADER STATION LABELING DETAIL

Scale: NONE

Provide (1) Pelican Series Case (From ETC) With Foam Blocking For Console Accessories With Custom Cut Foam Blocking As Needed For Console Provided.

Provide (2) Pelican 1500/1600 Series Medium Cases With Foam Blocking For Monitor, iPad, Wireless Router, Portable Cabling, Outlet Strip & All Accessories With Custom Cut Foam Blocking As Needed For Equipment Provided. One Case Shall Be For Monitor/Touchscreen. Second Case Shall Be For Accessories & Portable Cabling. Size Each Case For Equipment/Cabling Specified.

All Cases Shall Be Watertight In Design & Long Cases Shall Feature Stainless Steel Ball Bearing Polyurethane Wheels. Custom Cut All Foam Blocking So That Console & Accessories Fits Inside Case(s) Snugly & Don't Shift During Transport. Locate Monitor & Accessories Inside Medium Cases. Locate Console In Long Case. Console & Accessories To Be Used With Owner Provided Table Where And As Needed.

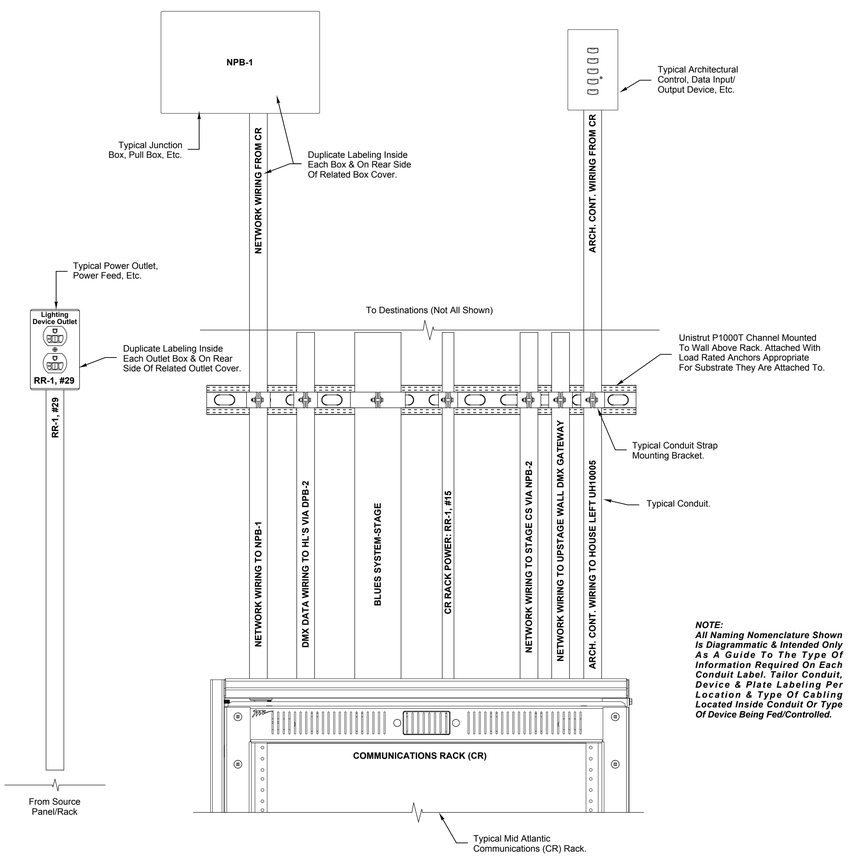

Pelican Case With ETC ColorSource AV Console


Pelican Case With iPad & All Other Console Accessories

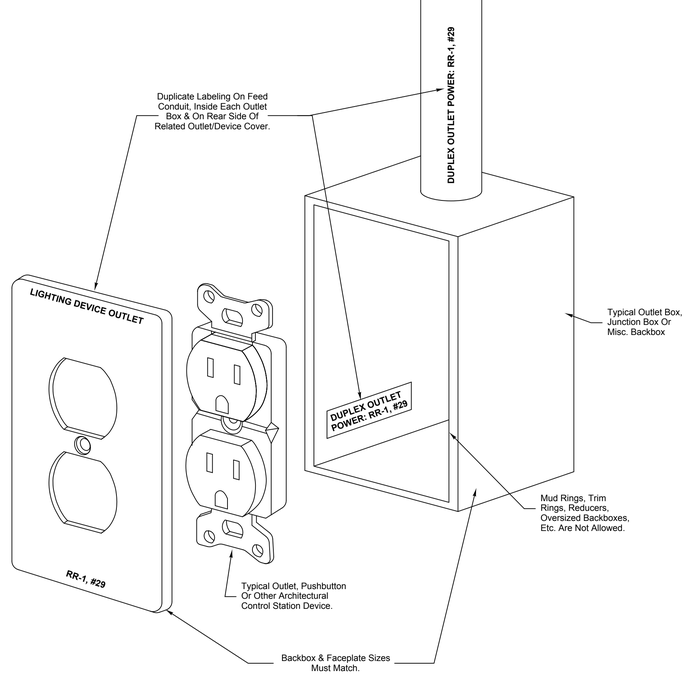

Pelican Case With Touchscreen Monitor

2 CONSOLE & ACCESSORIES CASE DETAILS

Scale: NONE



NOTE:
All Naming Nomenclature Shown Is Diagrammatic & Intended Only As A Guide To The Type Of Information Required On Each Conduit Label. Tailor Conduit, Device & Plate Labeling Per Location & Type Of Cabling Located Inside Conduit Or Type Of Device Being Fed/Controlled.



3 CONDUIT & BOX LABELING DETAILS

SCALE: NONE

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Drawn By: SPJ
Checked By: SPJ

Drawing Title
THEATRICAL LIGHTING SYSTEM DETAILS - GROUND FLOOR AREA F

VG
TL502

LIGHTING SYMBOLS KEY:

SYMBOL	ITEM DESCRIPTION	BACK BOX	NOTES
UH61312	UH61312 - ETC Unison Heritage 12 Button, 13 Fader Control Station	Six Gang 3.5" Deep	Mounted At Standard Switch Height Or As Indicated.
UH10005	UH10005 - ETC Unison Heritage 5 Button Control Station	One Gang 3.5" Deep	Mounted In Wall At Standard Switch Height Or As Indicated.
LJB-X	Lighting Junction Box	12" x 12" x 6" NEMA Box	Mounted At Standard Electrical Outlet Height Or As Indicated.
XX"	Indicates Conduit Size And/Or Wire Runs		
XX	Home Run to Device		
NPB-X	Network Pull Box - For Lighting Network Feedthrough. There Are To Be No Terminations Within This Box.	8" x 8" x 6" NEMA Box	Mounted To Structural Steel And Positioned To Facilitate Conduit Runs To DMX Drop Boxes.
	Power - Duplex Edison Outlet - (1) 20 Amp, 120 VAC, Single Phase Circuit. See E Series Drawings For Circuit and Panel Designations.	One Gang 3.5" Deep	Mounted At Standard Electrical Outlet Height Or As Indicated.
TP	Terminated Power - Middle Atlantic MPR-X Power Management and Raceway Strips & Modules. Provide & Terminate As Indicated/Required.	N/A	Mounted Inside The CR Rack Or Other Device As Indicated.
D1N	Pathway Connectivity - Pathport UNO DMX Node Plug-In Station. (To Be Flush Or Surface Mounted As Indicated On Drawings).	One Gang 3.5" Deep	Mounted At Standard Electrical Outlet Height Or As Indicated (Except On Stage Electrics These Will Be Surface Mounted To Top Of Existing Connector Strips).
CS N	Network Connection At The End Of The Connector Strip (Network Outlet In Center Of Conn. Strip).		Mounted "Top Hat" On Connector Strip By ETC. Wiring To Be Terminated Inside "Top Hat".
CR	Communications Rack - For ERn2, Lighting Control Distribution, Network Distribution & Power, Cable Management, Switch(s), Patch Panel(s) & Other Related Equipment. Size Rack for Equipment Specified & Needed To Complete System.		Wall Mounted At 60" AFF To The Center Of The Rack.
FOH ERn2	ERn2 - RM/WM -120 - ETC Unison Paradigm 2 Slot Rack/Wall Mount External Control Enclosure Rack With P-ACP, P-SPM & Battery Backup Option. Not Shown On Plan View Drawings.	N/A	Wall Mounted At 60" AFF To The Center Of The Rack & Mounted Inside The CR Rack As Indicated.
CS NET	Network Entry At The Outlet Box.	N/A	Mounted "Top Hat" On Outlet Box By ETC. Wiring To Be Terminated Inside "Top Hat". No Connectorized Terminations (IE XLR, RJ45, Etc. Shall Be Allowed At The Top Hat.
N	Unison Heritage Single Network Plug-in Station	One Gang 3.5" Deep	Mounted At Standard Electrical Outlet Height Or As Indicated.
WAP	Cisco Aironet 1600 Series Enterprise Class, High Power, Concurrent Dual-band, Omnidirectional Wireless Access Point. Provide With External Antennas & Locks, If Needed.	One Gang 3.5" Deep	Mounted On/In Ceiling And For Maximum Coverage Or As Indicated. Provide All Required Blocking For ETR Tiles.

Notes:

All References To "Standard Electrical Outlet Height" And "Standard Switch Height" Are Intended For The Installing Contractor To Mount These Devices To Match These Mounting Heights With Any Existing Or Adjacent Devices On Site In The Auditorium. Most Backboxes For This Project Are Existing & To Remain; However, For All New Backboxes, Etc. The Following Notes Shall Pertain.

All Device Backboxes Shall Be Flush Mounted Unless Otherwise Noted On The Drawings. If Building Construction Makes Flush Mounting Impossible Or Impractical, Then Obtain Written Permission & Instructions From The Architect (Including Specific Device Types, Conduit/Wiremold Types, Required Painting, Sizes, Profiles, Etc.) Prior To Installing Any Surface Mounted Devices (This Is Exceptional Devices Such As GIJB's, JB's, Pull Boxes, Etc. Mounted To Stage Or Other Overhead Steel).

Where Existing Switches Or Outlets Are Located In The Vicinity Of New Devices And Are Noted As Being Mounted At Different/Conflicting Heights, Verify Design Height Intents With The Owner/Owner's Representative Prior To Rough In & Mount Devices Per Owner/Owner's Representative Written Instructions.

Where An Existing Back Box And Conduit Path Can Be Reused, Verify With The Owner/Owner's Representative & Size/Pathways & Overall Suitability For Reuse Before Reusing The Location.

Where Boxes Are Indicated As Surface Mounted, Wiremold Style Boxes Shall Be Utilized, Painted To Match Mounting Surface Or As Directed By Architect/Owner. See E Series Drawings For Restrictions, Etc. For Wiremold Boxes, Raceways, Routings, Etc.

All Backboxes Shall Be 3.5" Deep With Internal Square Edges. No Backboxes With Rounded Or Radiused Corners Shall Be Acceptable. Where Mounting Brackets Are Required, Provide Appropriate Brackets As Needed To Mount To Studs, Wall, Etc. No Contractor Fabricated Mounting Systems Shall Be Acceptable. Read All Drawing Notes For More Information On Backbox Styles, Types, Etc. Required.

Provide The Owner With Actual Sized Paper Template Copies Of All New Station Faceplates That Are Part Of This Project, Which The Owner Shall Then Tape On The Walls In The Final Desired Locations For All Architectural Control Stations. Do Not Install Any Related Conduit Or Backboxes Until Final Locations Have Been Determined By The Owner. No Stations Shall Be Allowed To Exist In Areas Or Locations Where They Conflict With Other Devices, Are Buried Behind Other Devices, Block Access To Life-Safety Devices, Are Tucked Into Inaccessible Corners Or Are Otherwise In Impractical, Out-Of-The-Way Locations.

Standard Switch Height Is Typically 48" To The Top Of Box.
Standard Outlet Height Is Typically 20" To Top Of Box.
Verify All Standard Heights With E Series Drawings/Field Conditions.

THEATRICAL LIGHTING SYSTEM KEYED NOTES:

Each note and detail indicator indicates a typical location for the type of work to be performed or equipment to be provided. The referenced contractor shall provide for all instances of typical work indicated. All drawing notes may not appear or be referenced on each drawing; however, all notes still apply to the work indicated within each note and all similar instances of typical work shall be performed by the referenced contractor(s).

Perform all work as described below and on each TL series drawing. All work shall conform to the standards of Divisions 19 & 26 as well as this project's architectural & structural standards, the construction schedule, the current National Electric Code (NEC) and all other applicable codes and standards.

GENERAL:

Provide all devices, conduits, junction boxes, backboxes, wiring, etc. that are required to have a specified rating as devices with those ratings and listings per all applicable codes. This includes CE, UL, ETC, NEMA, plenum ratings, etc.

Provide all portable devices with strain relief/rubber grommets for all power and data cabling entry/exit from box(es). No devices with simple holes cut in them for cable entry/exit and without grommets or other approved strain relief systems shall be allowed. Strain relief shall be painted to match color of box it is mounted to.

Provide all misc. cabling, jumpers, two-fers, extensions, turn-arounds, adapters, connectors, labor, data cords, etc. in order to provide and interface all fixtures with plugs to match those on the connector strips and outlet boxes included in the design (and any existing related devices), even if those cables are not specifically listed on the contract documents. Provide all portable and interface cabling with tie line and cable type/length marked at each end.

All devices shown on the drawings are indicated in approximate locations. Coordinate the exact locations of all devices shown with the owner, existing obstructions and any other A/V related items that they may need to be located near or in conjunction with.

All device faceplates shall be from the manufacturer's standard color selections (cream/ivory, white or black - TBD by owner) with contrasting color engraved lettering/numbering unless otherwise noted (such as junction boxes) and as directed by owner/architect. All device faceplates shall be labeled with the nomenclature as indicated on the single line flow diagram. Device types shown on flow diagram and plans shall not be engraved on faceplates (shown on flow diagram in parenthesis - these are for ease of identification only), unless specifically indicated as such. Only the nomenclature shown, plus owner selected names as indicated, shall be engraved on faceplates. Obtain any owner selected device faceplate names in writing prior to ordering or fabrication.

MISCELLANEOUS:

Program the architectural control system to pass all necessary DMX channels/values in order to pass and control all intended/indicated fixtures in the system (minimum values are 1 - 2048).

MODEL NUMBERS:

Manufacturer model numbers for products are indicated on drawings to provide a full understanding of the system functional intent. See written specifications and the project manual for additional information and requirements for substitutions and procedures.

LIGHTING SYSTEM KEYED NOTES:

Each note indicates a typical location for the type of work to be performed or equipment to be provided. The TC shall provide for all instances of typical work indicated. All drawing notes may not appear or be referenced on each drawing; however, all notes still apply to the work indicated within each note and shall be performed by the referenced contractor(s).

SYSTEM SETUP:

The lighting system must be fully operational prior to the commencement of any training or acceptance testing/punch list visits.

ARCHITECTURAL CONTROLS SETUP:

Address & program all pushbutton stations to control fixtures/fixture groups and at predetermined levels as is required by the owner. The owner will have specific day-to-day controls access requirements, fixture access requirements, pushbutton station functionality requirements, timed event and timed access requirements, etc. that must be completely programmed for the owner. Obtain owner sign-offs, in writing, prior to commencement of final programming.

LIGHTING SYSTEM KEYED REMOVAL NOTES:

Perform all work as described below and on other TL series drawings. All work shall conform to the standards of spec section 19 2000 and the general, demolition, electrical and architectural contract sections:

Each note indicates a typical location for the type of work to be performed or equipment to be provided. Provide for all instances of typical work indicated. All drawing notes may not appear or be referenced on each drawing; however, all notes still apply to the work indicated within each note and shall be performed by the referenced contractor(s).

1. All lighting related items shall be removed in accordance with the project schedule and related trades. Notes may only indicate the location of one item but are understood to be typical of all items in the same category.

   Remove means to disconnect, remove and either dispose of or store items as indicated. If removal of any item leaves any protruding hardware or holes that present hazards or violate fire codes, such items will be properly finished, infilled or removed in order to maintain code compliance. Coordinate removals work with related removals work by others, disconnection of related power to indicated and related lighting devices and the overall project schedule. The removals notes listed below are not necessarily listed in their proper sequential order. Perform removals work in the proper logical sequence and so that any related systems are properly powered down and/or disconnected prior to the commencement of removals work, etc. Removals work shall be performed in the order that results in the maximum safety benefit for all involved, both equipment and personnel.

   It is understood that, when removing a lighting system and all related items, there may be a number of misc. items connected or related to the existing lighting system that are not specifically called out on the drawings (and may not have been visible or even present during field work inspections) that will need to be removed, maintained and/or reinstalled. This includes, but is not limited to, misc. portable cabling, wiring runs, theatrical fixtures, etc. For all such items, the contractor should field inspect and then remove, protect and reinstall similar to existing, as required, with the new lighting system, unless directed to do otherwise in the drawing notes. All such items shall be field verified with the owner prior to removals and reinstallations in order to obtain extents and pertinent parameters.

   It is understood that, when visual depictions of lighting elements are shown on the removals drawings, it is a diagrammatic representation of the items to be removed. Not every single instance of related devices to be removed has or can be shown. The contractor is responsible to remove all similar devices and classes of devices as those that are indicated.
2. The abatement contractor shall remove all theatrical style fixtures from all stage & front of house pipe battens and legally dispose of these items.
3. Remove all existing stage borderlight fixtures and legally dispose of these items.
4. Use a man lift and/or appropriate safety harnesses for personnel removing lighting fixtures. Any damage done to the ceiling caused by failure to use appropriate methods of removal, etc. will be the sole responsibility of the contractor to repair and return any affected surfaces to their prior state before the damage was done.

   At all locations where devices have been removed from walls, floors or stage walls, etc. and has affected surfaces (i.e. holes in walls, ceilings, floors, etc.), patch to match existing for all affected surfaces. See written specifications and front end contract documents for a more detailed description of patching requirements.

   Refer to other TL series drawings for more information on any items noted above as being reinstalled in the new lighting system.
5. Trace and verify all existing circuits, wiring and destinations (all circuits that are powering the existing FOH fixture ceiling mounted outlets, stage borderlight fixtures and other misc. stage theatrical fixture outlets) and label and tag each circuit as to its destination/loading prior to disconnecting the wiring. Turn all circuits powering these devices, etc. off and lock. Remove all of this wiring, outlet boxes, backboxes, conduit, breakers, etc. and provide new as indicated on the lighting control & flow drawings.
6. Provide new, matching drop ceiling tiles at all FOH locations where tile mounted outlets, etc. were removed. Verify type, style, etc. with owner.
7. Disconnect and remove all stage SO cable wiring and grid iron and related junction boxes from the existing borderlight fixtures, connector strips and related electrics, etc. and legally dispose of these items.
8. Examine all architectural and E series drawings in order to obtain further information as to the scope of the electrical removal requirements for this project.

GENERAL NOTES:

Do not scale plans.

Field verify all dimensions before ordering material or performing any work. Location of all devices must be coordinated with existing and/or new architectural, mechanical, electrical and structural elements. Where conflicts occur contact the architect, construction manager and consultant in writing for clarification before performing any work.

Where work is critically dimensioned to work provided by others it is the sole responsibility of the contractor to verify the intended location of all other elements with all other contractors by reviewing their shop drawings.

Coordinate all work for symmetrical installation with relation to height and level with architectural elements, switches, outlets, and other controls.

These drawings represent the configuration of a system. They do not in any way constitute instructions for installation except with regards to configuration. The sole responsibility for field verification of dimensions, installation/fabrication methods, code conformance, safety issues and the quality and performance of their work shall be that of the installing contractor.

These drawings are to be interpreted in conjunction with all other drawings in the construction set as well as written specifications for this project. The contents of these drawings does not in any way negate the written specifications nor do the written specifications in any way negate the contents of these drawings.

If there are inconsistencies between written specifications and drawings or between any drawing and other drawings in the construction document set, it is the responsibility of the contractor to obtain clarification before bidding this project. If no clarification has been obtained prior to bid, then the contractor shall abide by the decision of the architect and consultant at no additional cost to the owner even if work has to be redone.

Obtain shop drawings from related trades to verify the intended configurations and scheduling of their work. The contractor is responsible for coordinating their work with other related trades in a manner that avoids conflicts of work and scheduling.

ELECTRICAL RELATED NOTES FOR THE THEATRICAL LIGHTING SYSTEM:

Each note and detail indicator indicates a typical location for the type of work to be performed or equipment to be provided. The referenced contractor shall provide for all instances of typical work indicated. All drawing notes may not appear or be referenced on each drawing; however, all notes still apply to the work indicated within each note and all similar instances of typical work shall be performed by the referenced contractor(s).

Perform all work as described below and on each TL series drawing. All work shall conform to the standards of Divisions 19 & 26 as well as this project's architectural & structural standards, the construction schedule, the current National Electric Code (NEC) and all other applicable codes and standards.

REFER TO THE 19 2000 SPECIFICATIONS SECTION AND ALL OTHER TL SERIES DRAWING NOTES, KEYS, SCHEDULES, ETC. AS THEY CONTAIN ADDITIONAL INFORMATION REGARDING THE EC'S SCOPE OF WORK AS IT RELATES TO THE THEATRICAL LIGHTING SYSTEM.

PROFESSIONAL STANDARDS:

The contractor is expected to install all work to the appropriate industry professional standards, manufacturer recommendations and current applicable codes. If any work required exceeds the skills of the contractor, then he shall employ appropriate subcontractors for the scope required.

The acceptability of materials and workmanship shall be determined by the Architect, Consultant and CM.

Any work that might be damaged, inadvertently painted or become dirty during construction will be protected by the contractor. All responsibility for protection shall be by the contractor. The contractor shall provide final cleaning and or repair of all equipment in their scope to like new condition.

The contractor shall attend and/or arrange meetings as required to ensure their scope is coordinated with all other trades. The contractor is responsible to make known to all other trades critically dimensioned items and locations to avoid conflicts. Where conflicts occur, follow required procedures in the project manual to seek resolution.

Where any substandard work is provided by related trades that impedes the work of the contractor, he shall notify the CM, Consultant, Architect or Engineer in writing as called for in the project manual to rectify the issue.

Where work is provided by others, the contractor is responsible to verify installation conditions that relate to his work. If installation of related work is substandard, then the contractor shall generate a written RFI through proper channels based upon the project manual. The contractor shall not install his work to any substandard devices, etc. provided by others until such work has been resolved or until the contractor has received written authorization from the construction manager to proceed. If the contractor ignores substandard installation work by others and proceeds to install his devices to these items, then he accepts and bears sole responsibility to repair, reinstall and correct any found deficiencies to the satisfaction of the owner upon final inspections.

The contractor shall comply with the AHJ (Authority having jurisdiction) as it relates to programming any and all emergency interfaces.

The contractor is expected to possess knowledge of the equipment of his industry and to provide all small items required to install the specified equipment. Provide all small items such as rack rails, DIN rails, rack panels, power cords, connectors, wall-wart power supplies, crimps, nicopress and other items that may not be specifically called out on the drawings or in the specs but are required to support primary equipment.

When in doubt about any aspect of the work, the contractor should not proceed until he obtains clarification from the appropriate entity with authority following procedures detailed in the project manual.

BOXES, CONDUIT & WIRE:

All work must comply with applicable codes, NEC and NYSED requirements.

No conduits and/or wiring shall be allowed to be routed in, around or in such a way as to restrict or obstruct the movement of any rigging system components.

Connector strip electrical wiring shall be SO/SJOW/SOOW (or similar equivalent rating as required per NEC and installation location) multi-conductor cabling. Utilize as few multi-conductor cables as is required in order to support the indicated circuits (including individual hots, neutrals and NEC required quantity of grounds). Multiple single circuit SO style cables bundled together shall not be allowed.

Verify exact wiring details, conduit/wire routing paths, etc. with approved factory shop drawing submittals for technical, performance and theatrical systems prior to roughing in any power, conduit or wiring for devices. Some devices have internal lugs, some may require external or additional boxes or outlet devices and some devices may be approved equivalents.

Coordinate the exact locations of all devices with the lighting, rigging, A/V and other theatrical/technical systems clearance requirements, etc. in planning out conduit & cabling paths/lengths. The conduits shown on the drawings are understood to indicate the conduit types, sizes and wiring required only. The exact conduit routing paths and quantities of couplers, elbows, LB's, JB's, misc. pull boxes, support hardware, etc. that are required have not been indicated and must be determined by the contractor prior to rough-in.

Architectural controls & misc. system interface/power boxes: Devices have been shown in suggested yet diagrammatic locations on these drawings; however, it is the intent that the owner choose all final actual locations of all devices. Obtain owner sign-offs for all device placements prior to rough-in. Coordinate final locations with existing obstructions.

Mount and locate all indicated equipment per NEC regardless of the visual depiction locations shown on the contract drawings. If a device must have NEC driven clearances, etc. and this precludes mounting the device in or near the indicated location, then locate the device where it needs to be in order to meet NEC.

Any junction boxes that may be needed for conduit/wiring runs in the catwalk, side galleries or on stage shall not be located in inaccessible or buried locations. Conduits shall be located at 7' - 0" AFF on catwalk and side galleries or higher and may not be mounted on any lighting pipe batten, in between lighting pipe positions or any other way that violates any notes or visual depictions shown on the contract documents. Do not encroach catwalk walking area with conduits or loose wiring.

Provide all wiring run in conduit unless specifically noted on these drawings as otherwise. No conduit shall be allowed to be loaded beyond 50% fill.

Provide all devices, conduits, junction boxes, backboxes, wiring, etc. that are required to have a specified rating as devices with those ratings and listings per all applicable codes. This includes CE, UL, ETC, NEMA, plenum ratings, etc.

Terminate all conduits into racks, junction boxes, pull-boxes or other appropriate devices as indicated. No cut off conduits with end bushings and wiring dangling out the end shall be allowed.

Refer to all lighting related notes, drawing arrow notes and written specifications for work clarification and additional scope of work as it regards assembly, installation labor, labeling requirements and/or coordination with theatrical trades. Labeling requirements outlined in the written specifications are extensive and detailed.

Any wiring splices necessary must utilize butt style inline insulated splices crimped with a properly adjusted controlled cycle termination tool. Referenced product Panduit BSV10X-D or equal. Size splices per gauges of wiring to be spliced & provide as required. No incorrectly sized splices shall be allowed.

Labeling: All conduits shall be clearly labeled on each end as to their origin and destination in a simple, logical manner. All junction boxes, switch boxes and backboxes indicated on drawings shall be labeled with the nomenclature indicated on the drawings. All outlet boxes shall be labeled with the corresponding panel and circuit designations they are fed from. Permanent black marker on conduit or junction box face is acceptable on conduits, junction boxes, etc. that will not be painted. If any related devices are to be painted, then provide the following: Conduits shall be labeled with 3M Durable ID Labels with permanent adhesive (applied after painting). Junction boxes, etc. shall be labeled with 3M Durable ID Labels with permanent adhesive (except stage devices, which shall be labeled with Lamacoid style engraved labels, permanently adhered to the device). All junction boxes, outlets, etc. shall also be labeled on the back of each cover plate and also with a durable tag inside each box stating the same information. All labeling shall be done with block style lettering/numbering by hand or printed. All labeling shall reference the device's designation, conduit originations/destinations, etc. & not be a coded, indexed or legend style referencing system.

Provide blank cover plates for any switch box or junction box that does not have a specific device plate indicated on the drawings symbols keys. All cover plates shall be provided in a color and style that matches other cover plates in the immediate vicinity of the indicated device or as determined by the owner. Cover plates shall be "form fitting" and shall not have sharp edges that protrude out past edges of backboxes.

All conduits shall be concealed unless specifically called out on drawings as exposed. Any visible conduits and boxes are to conform to general contract requirements and Division 26 for finish and installation requirements.

FLEXIBLE CABLE DROPS:

Flexible cable supports and strain reliefs shall be as follows: Cable entry into raceways, grid iron or other junction boxes (such as for SO type flexible wiring) shall be Hubbell Kellems grips for strain relief, Deluxe liquid tight cable grips (07401 series). Where multiple cables are bundled together provide a separate kellems for each cable entry and start bundling the cable far enough down the run to avoid conflicts of grips. Cable support (such as overhead or auxiliary support for SO type flexible wiring, power cabling, control wire, etc.) shall be Hubbell Kellems grips for cable support (02206 series) heavy-duty, single eye, double weave grips. Note that both styles of grips MUST be installed over the blunt cut end of the wiring, so coordinate installation of grips with termination of related cabling.

Flexible cables shall be sized to allow proper swag to the rigging system. Coordinate exact length with the rigging system and related set movement/travel and related trades. Do not purchase, install or terminate any flexible cable drops until the length is determined.

Flexible control cable drops for connector strips shall be provided by the contractor. Where these attach to connector strips/outlet boxes (DMX or network distribution) they will need to be bundled with the SO multi-cable. Provide all flexible control cable drops as black jacketed TMB ProPlex or SSRC AES/EBU DMX/DATA style stranded network wiring down to connector strip(s). Solid core wiring is not allowed for flexible data drop cabling.

Provide all low voltage control cabling pulled in and out of conduit as indicated on drawings. Do not pull any wire until submittals and lighting shop drawings have been approved & issued. Verify all wire types, quantities and routing with the approved submittal shop drawings.

Where low voltage wire is indicated on the drawings, either in conduit or in walls, ceilings or chases, this wire shall be provided with at least 3' excess wire at each end unless otherwise indicated on the drawings. Secure ends of all pulled wire to prevent accidental removal or damage during construction. Label all low voltage cables as to their origin and destination and tuck into back boxes to protect from damage and until final termination by the factory technician. Coordinate availability on site when the wiring is to be terminated to assist with any problems encountered by the factory technician. Provide continuous pull strings in all conduits even after all indicated wire is pulled.

Where conduit is indicated with no wire called out on the drawings, provide the conduit with a pull string. Provide continuous pull strings in all conduits, tied off at both ends, even after wire has been pulled. Wire must be able to be pulled through the conduits without exceeding the pull spec of the specified wiring. Typical pulling tension for cables of this type is between 35 and 50 lbs. tension.

ELECTRICAL RELATED NOTES FOR THE THEATRICAL LIGHTING SYSTEM - CONTINUED:

In some areas wiring may be called out as CL3 not in conduit. In these areas provide adequate attachment and support to protect the cable from potential damage using the best routing. Wiring may not be left lying loose in any area unless fully protected (i.e. Inside a wall).

Install all Category 5 or higher cabling noted on these drawings in accordance with all applicable ANSI/TIA/EIA standards and recommended practices as it relates to cable run lengths, cable pull tension, minimum bend radii, etc. Any damaged or non-functional cabling installed and found to be defective shall be completely replaced the installing contractor's own cost.

Radius all conduits where possible. Conduit runs are not to exceed 180 degrees of radius bend. Where elbows and pull boxes are unavoidable, locate these in easily accessible locations not requiring special equipment to reach. Any elbows used must be sweeps and must be accessible without the use of special equipment. If more than 180 degrees of bend is required, Provide accessible pull boxes. Provide as-built drawings that clearly indicate the exact locations of all pull boxes with dimensions, conduit routing paths with dimensions and all junction/termination boxes.

Provide all power circuits indicated on these drawings and associated conduit, backboxes, wire, termination and duplex outlets. Termination of these outlets will be to panel boards as indicated on E-series drawings. These outlets may also be indicated on E series drawings. Check TL and E drawings and verify there is no duplication of devices. Some outlets are to be installed in racks - coordinate with the theatrical contractor for exact locations within each rack.

Fire stop all penetrations in fire rated assemblies resulting from the work of this contract.

INSTALLATION OF EQUIPMENT:

Install system devices, feeder cabling, racks, wiring, etc. as indicated and included on these drawings.

Do not install system dimming equipment, CR racks, architectural control units or any other fan-cooled devices related to the dimming system on the stage, in the stage wings or on any open stage mezzanine areas (unless specifically shown on these drawings as being in those areas).

All attachment methods for equipment to conform to Division 26 and Division 19 specifications.

ACCEPTANCE TESTING:

Prior to system turn on, perform all manufacturer required procedures for Field Service Technician arrival and system energization including, but not limited to, feeder cable termination, dimmer rack access & secure mounting, dimmer rack air gap sealing, branch & load circuit terminations complete, control wiring runs match manufacturer shop drawings, etc.

Have a representative on sight during final system test to provide assistance with any line or load wiring problems encountered.

ELECTRICAL RELATED KEYED NOTES FOR THE THEATRICAL LIGHTING SYSTEM:

Each note indicates a typical location for the type of work to be performed or equipment to be provided. Provide for all instances of typical work indicated. All drawing notes may not appear or be referenced on each drawing; however, all notes still apply to the work indicated within each note and shall be performed by the referenced contractor(s).

A. Branch circuits indicated are for the dedicated use of the specified system. No other connections may be made or branches added to these circuits. Each circuit must have a separate hot, neutral, and ground conductor. Conduit grounds are not acceptable for these circuits. All wire to be THHN stranded with gauge as required by NEC. All grounds to be #10 minimum THHN stranded copper. Where ISO ground panels are provided the THHN ground wire shall be utilized for the ISO ground. Building ground to switch boxes on ISO ground circuits as required by NEC.

   Neutrals and grounds may not be shared with any other circuits.

   The branch circuits indicated are to be installed as indicated. Coordinate with the appropriate contractor where connections are to be made within racks and equipment furnished by others to provide well timed construction progress.

   See E series drawings for panel designations and origination if they are not shown on these drawings. Do not duplicate circuits.

   All indicated circuits shall be individual, independent, home-run circuits to a panel/breaker box as indicated on the E series drawings (unless otherwise noted or indicated as being paralleled with another). Provide circuits in voltage, wattage, phase and amperage and land/terminate each circuit into a backbox or other device as indicated.

B. **CATEGORY WIRING & TERMINATIONS:**

   For all DMX, network, category, 0-10V, control and data style cabling: Restrict all conduit and wiring runs to less than 250' - 0" (as a general rule and as measured along the resulting wire path from device origination point to device destination point).

   Pull, terminate, test and certify all category wiring pulls prior to system turnover to other related trades. Provide a full, written report to the architect, CM, consultant and all related trades that verifies a complete and certified network of cabling. Testing shall be performed using current industry standards and equipment (Fluke, Meterk, Klein Or Equal) as well as all required methodologies, reporting and documentation procedures, etc. Any wiring anomalies shall be corrected by the installing contractor prior to turnover of this system to related trades. Only a fully certified system shall be allowed to be turned over to a related trade or to the owner. All category terminations must be performed with IDC (insulation displacement connectors) style connector devices. Standard category wiring shall not be allowed for portable or swagged drops along SO cables (for these, only SO style flexible black-jacketed, heavy duty category cabling such as SSRC, CBI, Gepco or TMB Proplex data cabling shall be allowed).

C. **SO FLEXIBLE MULTI-CABLE STAGE ELECTRIC POWER DROPS:**

   The SO multi-cables and related internal conductors between the GIJB boxes and related connector strips shall be sized at 10AWG and shall meet the following conditions:

   1. There must be fewer than (13) single phase circuits with 20A circuit breakers in each SO multi-cable.
   2. The SO multi-cables must be provided as 90 C rated cables.
   3. Individual hot & neutral per circuit; quantity of grounds per NEC.

   All SO multi-cables must meet the requirements of NEC table 520.44.

D. **MISCELLANEOUS:**

   Refer to the E Series drawings for power conduit sizes and wire gauge/type designations and requirements as well as for panel and circuit designations.

   Provide all backboxes in sizes as indicated. No multi-gang backboxes with raised, tile ring, extension ring or mud ring style reducers to obtain the specified faceplate gang size shall be acceptable in lieu of the indicated device backbox. Install all backboxes flush, plumb and level.

   Provide all surface mounted outlet boxes as full-sized backboxes so that the cover/face plates do not protrude beyond the box edges. All outlet boxes to be Thomas & Betts AFS style boxes or equivalent size/style. The intent is for the faceplate to be the same size as the backbox in order to prevent sharp or protruding edges that could catch or snag clothing, etc. or cause injury.

   Provide all swagged, visible DMX/Network cable as SSRC AES/EBU-DMX 110 Ohm, 2 Pair, Flexible Black DMX/ethernet tactical style flexible cable with no connectors. No other colors for outer jacket shall be acceptable. Provide only flexible cable. All connectors required shall be Neutrik XLR style connectors, unless otherwise noted or required.

   All locations & clearances shown for the dimming system & other related devices are specific & critical and may not be altered in the field without obtaining prior written permission from the consultant. Any new proposed locations or field obstructions must be communicated to the consultant in writing and clearly indicated on scaled plan drawings for approval prior to rough-in.

   GENERAL NOTE: THE FOLLOWING RULE APPLIES TO ALL POWER, CONTROL WIRING & CONDUIT RUNS - All different categories of wiring should run inside their own, separate metal conduit to ensure signal integrity. If buried or underground conduits are run as PVC pipe or if PVC elbows or pullboxes are used on any conduit runs, then each conduit shall have a separate #10 ground/drain wire installed and bonded at both ends and tied back to earth ground and all PVC elbows or connectors are to be ground strapped across. Signal types allowable inside "common" conduit runs shall be as follows: Lighting load wiring in separate metal conduit. Winch power in separate metal conduit. Winch control in separate metal conduit. Lighting control in separate metal conduit. Large load wiring (dimmer feeder power, etc.) should not run near any of the low voltage lines. Lighting or winch power conduits shall not run parallel with any audio or video signal conduits within 6' of each other. Any power conduits which must cross audio or video signal control conduits shall do so at 90 degree angles.

   Attach all network cabling to the SO multi-cables every 12" with black Cord-Lox style velcro closed loop series straps along the entire length from the GIJB to the batten mounted connector strip low-voltage entry point. Velcro straps shall be installed snugly but not too tightly. The intent is for the straps to be installed loosely enough for the data cabling to slip through them as the associated set is moved up/down through its total travel range. Do not over-tighten any Velcro style straps or tighten them to the point of dimpling, denting or cutting into any of the related wire jackets. Operate each related set and ensure that the data cabling does not become stressed or stretched taught during any portion of normal set travel/movement. Replace any damaged, stretched or over taught cabling prior to turn-over.

   MODEL NUMBERS:

   Manufacturer model numbers for products are indicated on drawings to provide a full understanding of the system functional intent. See written specifications and the project manual for additional information and requirements for substitutions and procedures.

   All new breakers provided for use in an existing power/breaker panel shall be provided to match the existing panel manufacturer, AIC rating and be UL listed for use in the existing equipment.

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PROJECT INFORMATION

Project Number
13940.20

Client Name
NEWBURGH ENLARGED CITY SCHOOL DISTRICT

Project Name
PHASE 5: 2019 CAPTIAL IMPROVEMENTS PROJECT

SED # 44-16-00-01-0-018-009

Project Address
400 Old Forge Hill Rd, New Windsor, NY 12553

REVISION SCHEDULE

#	Date	Description

SHEET INFORMATION

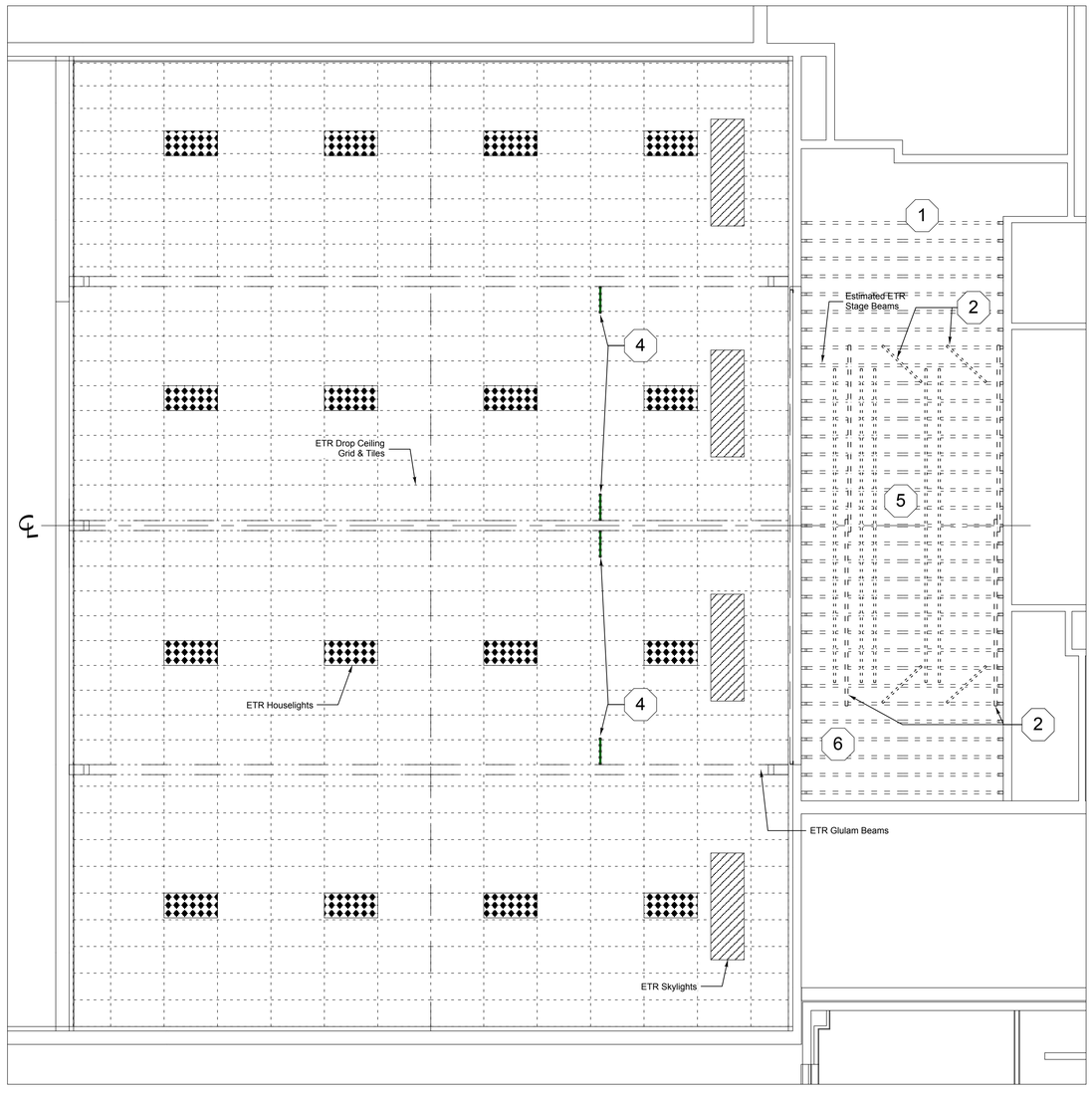
Issued
09/27/21
SED SUBMISSION

Drawn By: SPJ
Checked By: SPJ

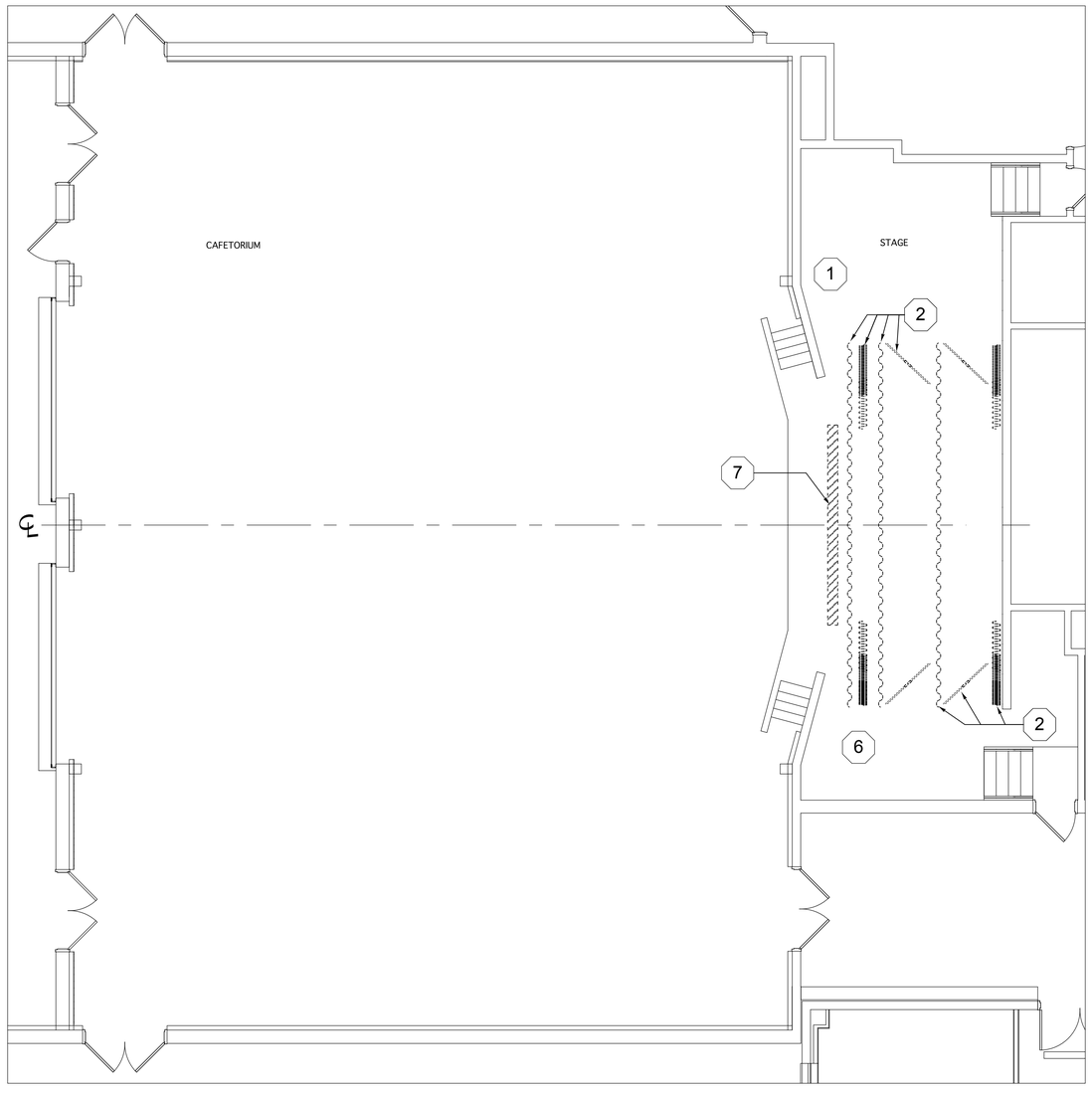
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THEATRICAL LIGHTING SYSTEM NOTES, KEYS & SCHEDULES - GROUND FLOOR AREA F

VG
TL601

REFER TO DRAWINGS VG TR60X - VG TR60X FOR ALL RIGGING RELATED REMOVAL NOTES, DRAWING NOTES, BUBBLE NOTES, KEYS, SCHEDULES, TABLES, ELECTRICAL RELATED NOTES AND OTHER INFORMATION THAT PERTAIN TO THE TR SERIES DRAWINGS.

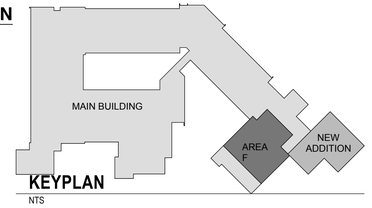


1 **UPPER LEVEL RIGGING REMOVAL PLAN**
Scale: 3/16" = 1'



2 **LOWER LEVEL RIGGING REMOVAL PLAN**
Scale: 3/16" = 1'

TRUE NORTH



KEYPLAN
NTS

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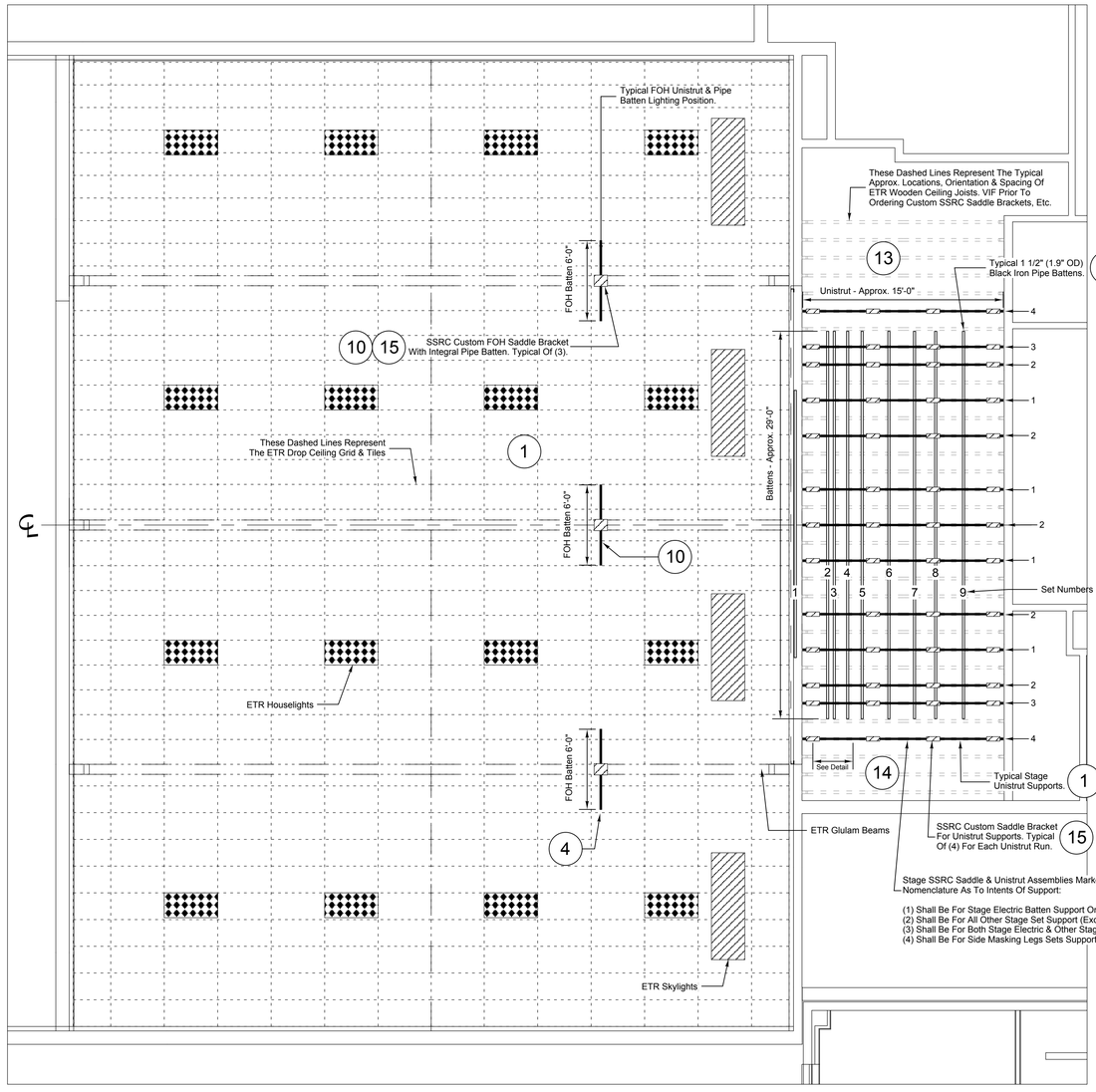
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SED SUBMISSION

Drawn By: SPJ
Checked By: SPJ

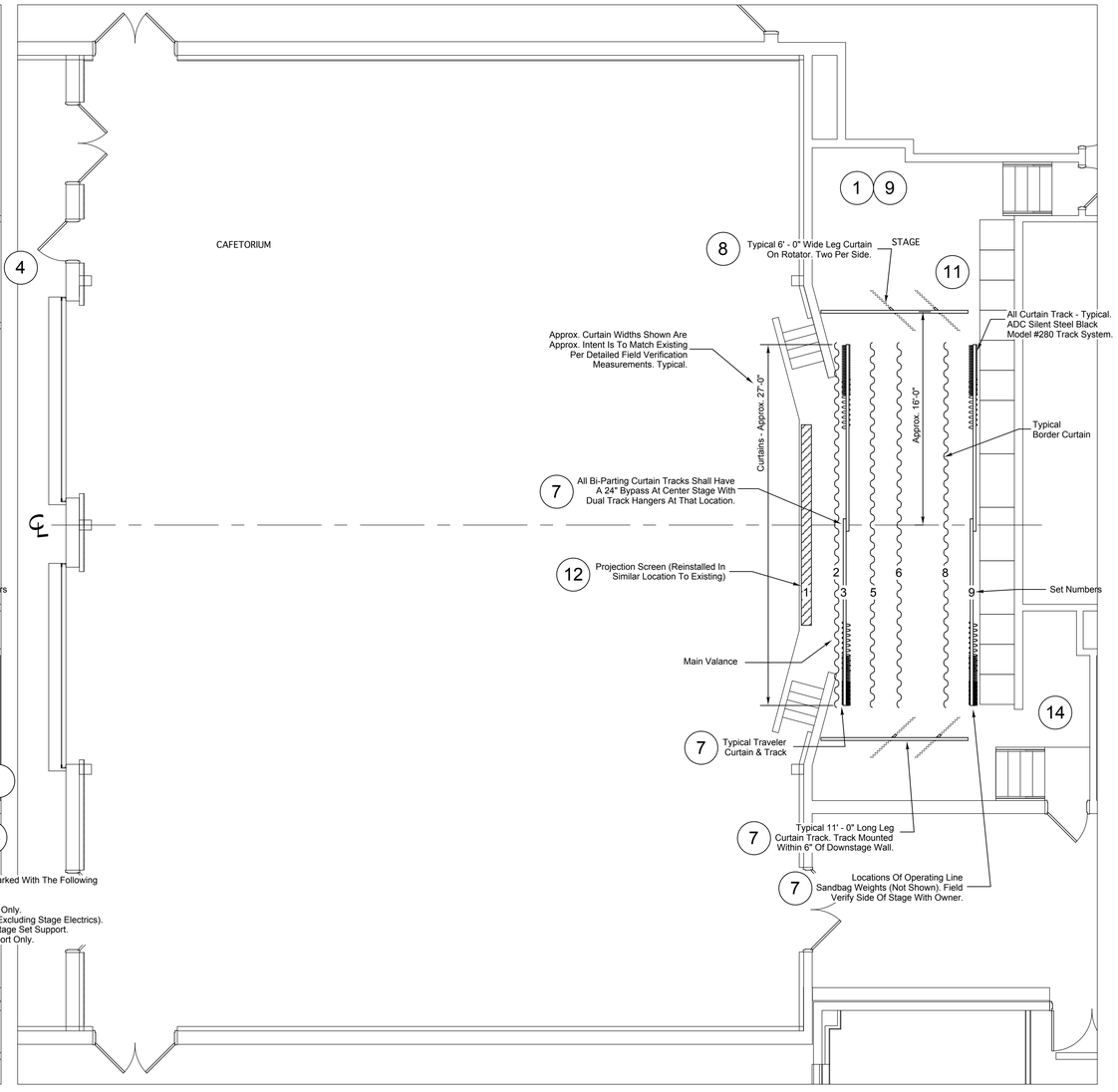
Drawing Title
THEATRICAL RIGGING SYSTEM REMOVAL PLANS - GROUND FLOOR AREA F

VG
TR101

REFER TO DRAWINGS VG TR60X - VG TR60X FOR ALL RIGGING RELATED REMOVAL NOTES, DRAWING NOTES, BUBBLE NOTES, KEYS, SCHEDULES, TABLES, ELECTRICAL RELATED NOTES AND OTHER INFORMATION THAT PERTAIN TO THE TR SERIES DRAWINGS.

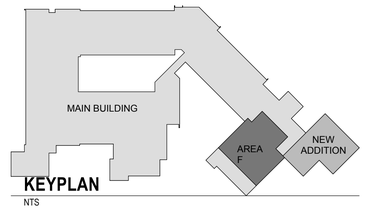


1 UPPER LEVEL RIGGING BATTEN PLAN
Scale: 3/16" = 1'



2 LOWER LEVEL RIGGING CURTAIN & TRACK PLAN
Scale: 3/16" = 1'

TRUE NORTH



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PROJECT INFORMATION

Project Number
13940.20

Client Name
NEWBURGH ENLARGED CITY SCHOOL DISTRICT

Project Name
PHASE 5: 2019 CAPTIAL IMPROVEMENTS PROJECT

SED # 44-16-00-01-0-018-009

Project Address
400 Old Forge Hill Rd, New Windsor, NY 12553

REVISION SCHEDULE

#	Date	Description

SHEET INFORMATION

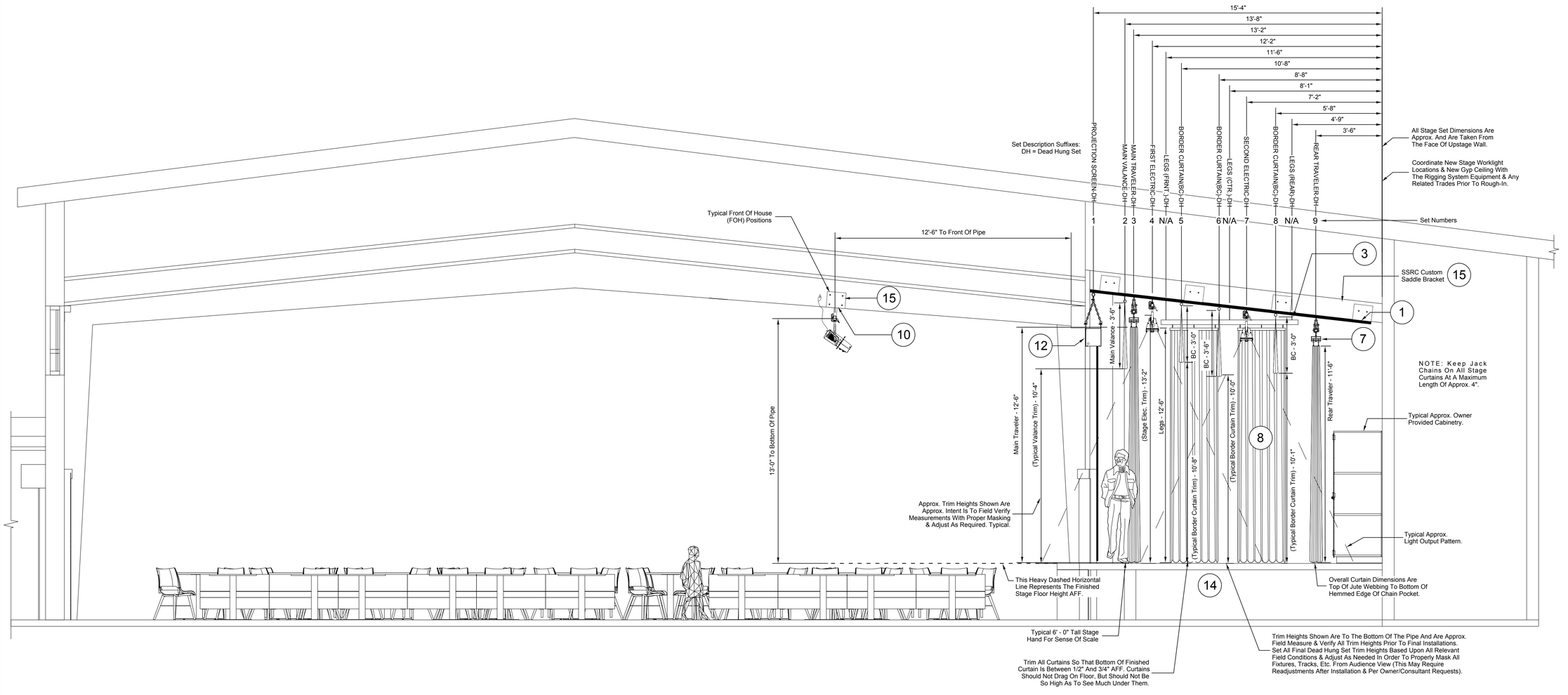
Issued
09/27/21
SED SUBMISSION

Drawn By: SPJ
Checked By: SPJ

Drawing Title
THEATRICAL RIGGING SYSTEM BATTEN & CURTAIN PLANS - GROUND FLOOR AREA F

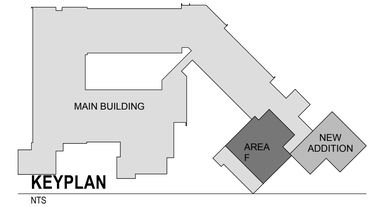
VG
TR301

REFER TO DRAWINGS VG TR60X - VG TR60X FOR ALL RIGGING RELATED REMOVAL NOTES, DRAWING NOTES, BUBBLE NOTES, KEYS, SCHEDULES, TABLES, ELECTRICAL RELATED NOTES AND OTHER INFORMATION THAT PERTAIN TO THE TR SERIES DRAWINGS.



1 STAGE RIGGING SYSTEM SECTION

SCALE: 3/8" = 1'



TRUE NORTH

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DESIGNS INCORPORATED
CONSULTANTS IN THEATRICAL DESIGN
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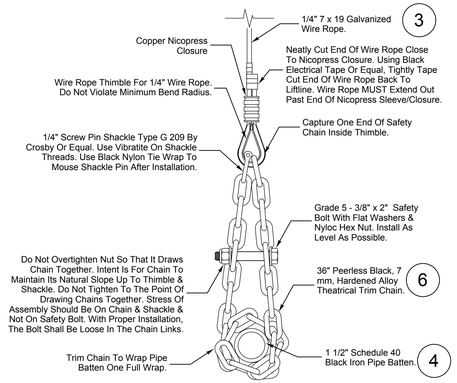
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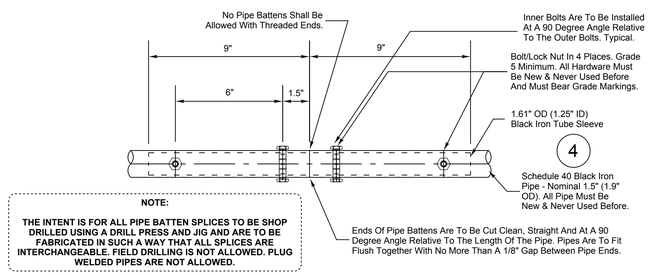
Drawn By: SPJ
Checked By: SPJ

Drawing Title
THEATRICAL RIGGING SYSTEM SECTION -
GROUND FLOOR AREA F

VG
TR302



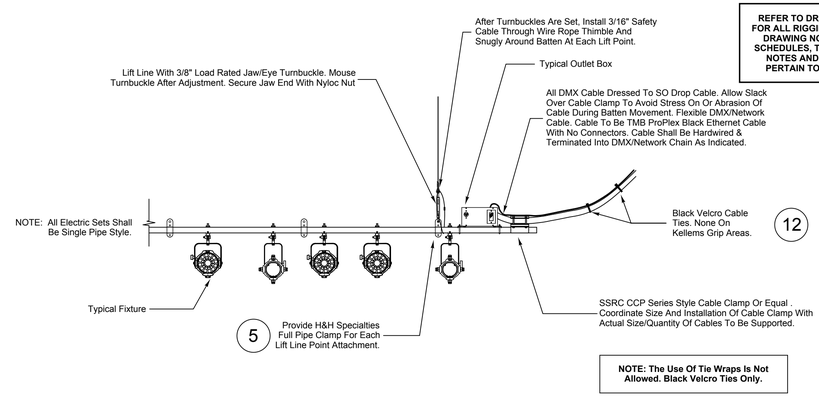
1 TRIM CHAIN DETAIL
Scale: 3" = 1'



NOTE:

THE INTENT IS FOR ALL PIPE BATTEN SPLICES TO BE SHOP DRILLED USING A DRILL PRESS AND JIG AND ARE TO BE FABRICATED IN SUCH A WAY THAT ALL SPLICES ARE INTERCHANGEABLE. FIELD DRILLING IS NOT ALLOWED. PLUG WELDED PIPES ARE NOT ALLOWED.

2 BATTEN SPLICE DETAIL
Scale: 3" = 1'

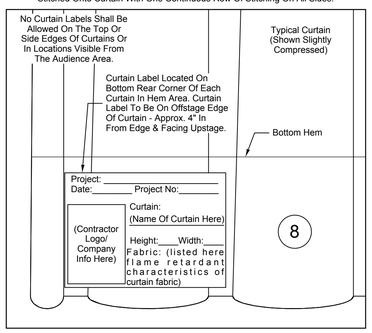


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NOTE: The Use Of Tie Wraps Is Not Allowed. Black Velcro Ties Only.

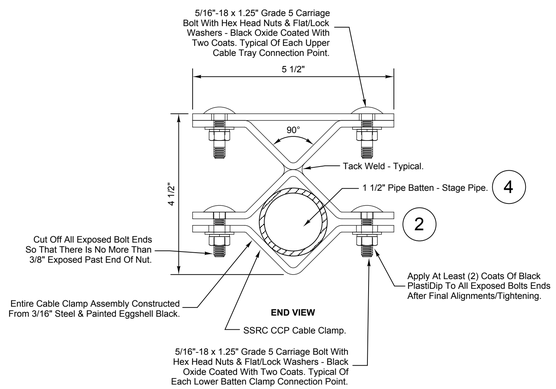
3 ELECTRIC BATTEN DETAIL
Scale: 1/2" = 1"

Adhere To Curtain Labeling As Follows:
Each Separate Curtain On This Project Shall Incorporate A Durable Label With Permanent, Non-Smudging Ink Detailing The Information Listed Below. For Traveler & Leg Curtains, The Side Of The Stage They Go On (SR or SL) Should Also Be Indicated. All Handwritten Info Shall Be Written In Plain, Neat Block Lettering With Permanent, Non-Smudging Ink That Will Not Leach Into The Label Over Time. All Labels Shall Be Stitched Onto Curtain With One Continuous Row Of Stitching On All Sides.

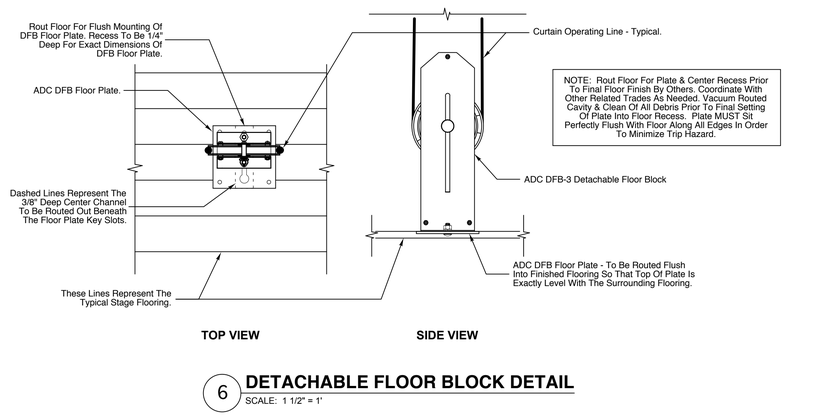


4 CURTAIN LABEL DETAIL
Scale: NONE

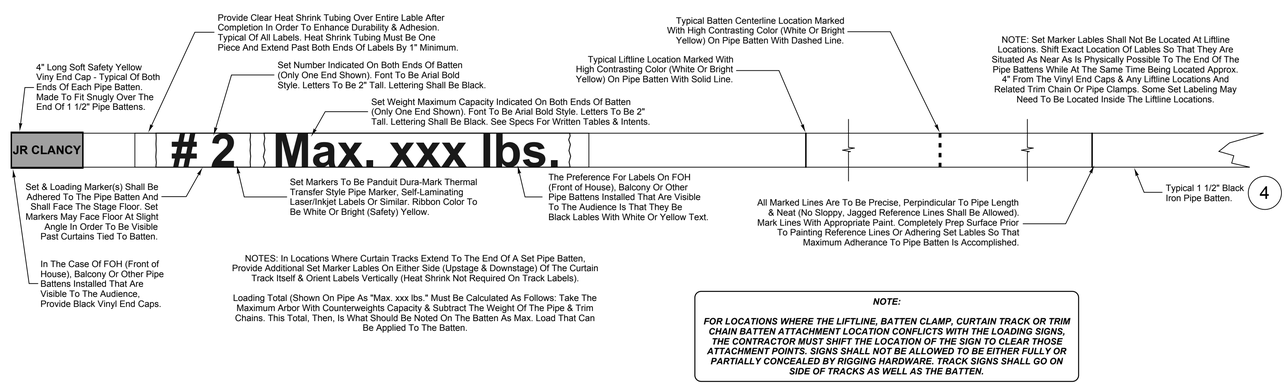
NOTE: Provide SSRC Cable Clamps And Use Them To Install The SSRC Cable Tray System As Indicated. Clamps Shall Be Mounted Vertically Only.



5 SSRC CABLE CLAMP DETAIL
Scale: 6" = 1'



6 DETACHABLE FLOOR BLOCK DETAIL
SCALE: 1 1/2" = 1'



NOTES: In Locations Where Curtain Tracks Extend To The End Of A Set Pipe Batten, Provide Additional Set Marker Lables On Either Side (Upstage & Downstage) Of The Curtain Track Itself & Orient Labels Vertically (Heat Shrink Not Required On Track Labels).

Loading Total (Shown On Pipe As "Max. xxx lbs." Must Be Calculated As Follows: Take The Maximum Arbor With Counterweights Capacity & Subtract The Weight Of The Pipe & Trim Chains. This Total, Then, Is What Should Be Noted On The Batten As Max. Load That Can Be Applied To The Batten.

NOTE:

FOR LOCATIONS WHERE THE LIFTLINE, BATTEN CLAMP, CURTAIN TRACK OR TRIM CHAIN BATTEN ATTACHMENT LOCATION CONFLICTS WITH THE LOADING SIGNS, THE CONTRACTOR MUST SHIFT THE LOCATION OF THE SIGN TO CLEAR THOSE ATTACHMENT POINTS. SIGNS SHALL NOT BE ALLOWED TO BE EITHER FULLY OR PARTIALLY CONCEALED BY RIGGING HARDWARE. TRACK SIGNS SHALL GO ON SIDE OF TRACKS AS WELL AS THE BATTEN.

7 BATTEN LABELING DETAIL
Scale: 1 1/2" = 1'

Provide:

Werner Ladder PT7400 Series Fiberglass Stockr's Platform Step Ladders:

(1) Werner Ladder PT7410 Stepladder

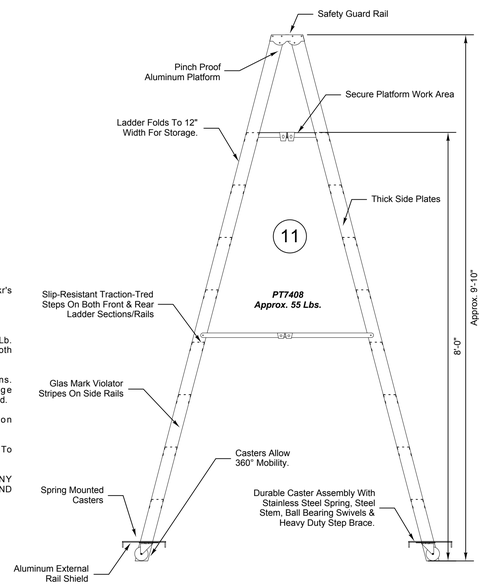
All Ladders Shall Be Type IA Duty Rating, 300 Lb. Load Capacity Per Side (Full Use Rungs On Both Sides Of Ladder).

Store Each Ladder As Per Owner's Instructions. Provide Supplementary Hooks On Storage Room/Space Walls For Ladder Storage As Required.

Ladders Designed For One Or Two Person Simultaneous Use.

All Arrow Notes Below Are Understood To Refer To All Ladders.

NEVER EXCEED THE DUTY RATING OF ANY LADDER, INCLUDING TOOLS, PERSONNEL AND EQUIPMENT.



8 ACCESS LADDER DETAILS
Scale: 3/4" = 1'

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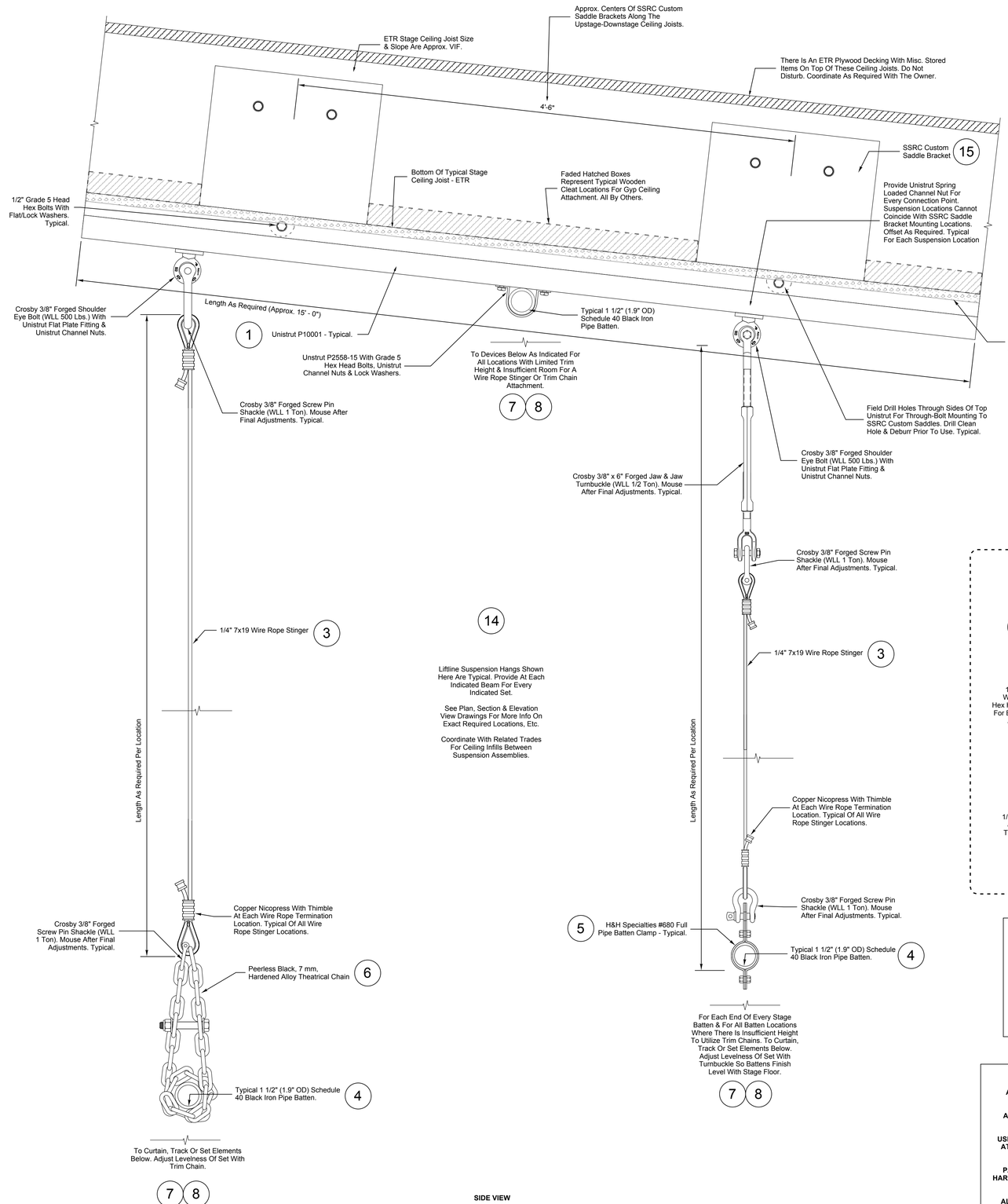
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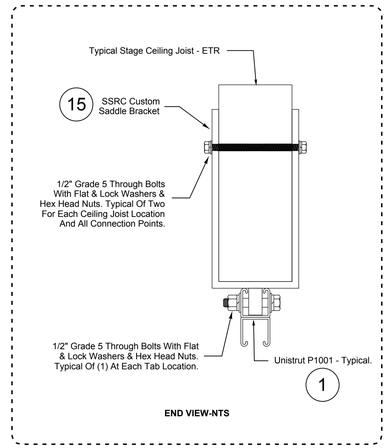
Drawing Title
THEATRICAL RIGGING SYSTEM DETAILS - GROUND FLOOR AREA F

VG
TR501



1 STAGE UNISTRUT & BATTEN MOUNTING DETAIL

Scale: 3" = 1'



END VIEW-NTS

NOTE:

STAGE SSRC SADDLE BRACKETS & RELATED UNISTRUT SPANNING SUPPORTS ARE INTENDED ONLY FOR THE LOAD TYPES AND USAGES SHOWN. INTENDED USAGE INCLUDES ONLY THE INDICATED SET TYPES AND RELATED ITEMS ONLY.

THESE SUPPORT ASSEMBLIES ARE NOT INTENDED FOR USE AS SUPPORT STRUCTURES FOR ADDITIONAL CHAIN MOTORS, HOISTS OR TRUSSING.

ANY USE OF THESE SUPPORT DEVICES OTHER THAN THAT SHOWN AND INTENDED IS STRICTLY PROHIBITED.

NOTE:

ALL HARDWARE TO BE GRADE 5 OR HIGHER. ALL NICOPRESS CLOSURES TO HAVE COPPER SLEEVES.

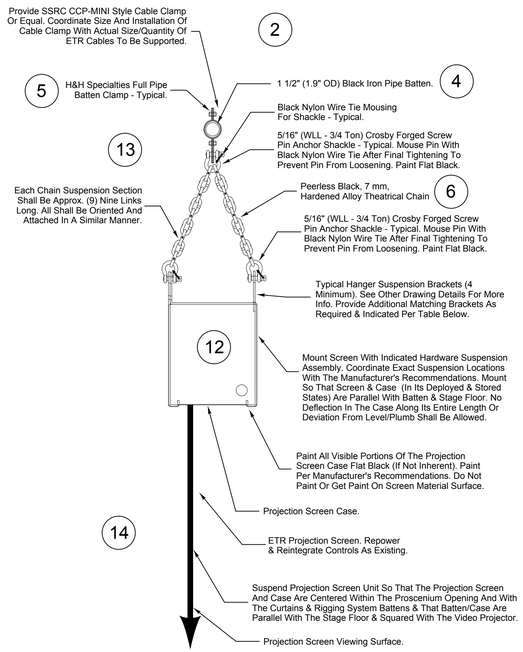
ALL THREADS MUST BE TREATED WITH VIBRATITE AND USED IN SUCH A WAY AS TO BE VISIBLE UPON INSPECTION.

USE UNISTRUT CHANNEL NUTS, LOCKNUTS AND HARDWARE WHEN ATTACHING ANY BRACKETS OR CLAMPS DIRECTLY TO UNISTRUT CHANNEL.

PAINT ALL UNISTRUT SUPPORT ASSEMBLIES AND ATTACHMENT HARDWARE FLAT BLACK (IF NOT INHERENTLY FLAT BLACK) - EXCEPT WIRE ROPE.

ALL STAGE SUPPORT STRUT SHALL BE UNISTRUT OR EQUAL. NO NON-LOAD RATED CHANNELS SHALL BE ACCEPTABLE. VERIFY LOADING REQUIREMENTS, DEFLECTION LIMITATIONS, ETC. WITH UNISTRUT PUBLISHED TABLES FOR UNIFORM AND POINT LOADING.

REFER TO DRAWINGS VG TR60X - VG TR60X FOR ALL RIGGING RELATED REMOVAL NOTES, DRAWING NOTES, BUBBLE NOTES, KEYS, SCHEDULES, TABLES, ELECTRICAL RELATED NOTES AND OTHER INFORMATION THAT PERTAIN TO THE TR SERIES DRAWINGS.



Projection Screen Suspension Guidelines:			
Case Length	Case Weight	# Of Suspension Points/Brackets	Pipe Batten Suspension
Up To 185"	Up to 200 Lbs.	Four	Single Pipe Batten
185" - 215"	200 - 250 Lbs.	Five	Single Pipe Batten
215" - 241"	250 - 350 Lbs.	Six	Single Pipe Batten
241" - 267"	350 - 500 Lbs.	Four	Pipe Over Pipe Battens
267" - 288"	500 - 625 Lbs.	Five	Pipe Over Pipe Battens
Over 288"	Over 625 Lbs.	Six	Pipe Over Pipe Battens
Provide All Brackets, Etc. As Needed In Order To Suspend Projection Screen Cases As Indicated. Do Not Violate Manufacturer's Recommendations On Minimum Inset From End Of Case. Space Intermediate Brackets Evenly Inside Outer Bracket Locations.			

2 PROJECTION SCREEN MOUNTING DETAIL

Scale: 1 1/2" = 1'

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50 FRONT ST. SUITE 102
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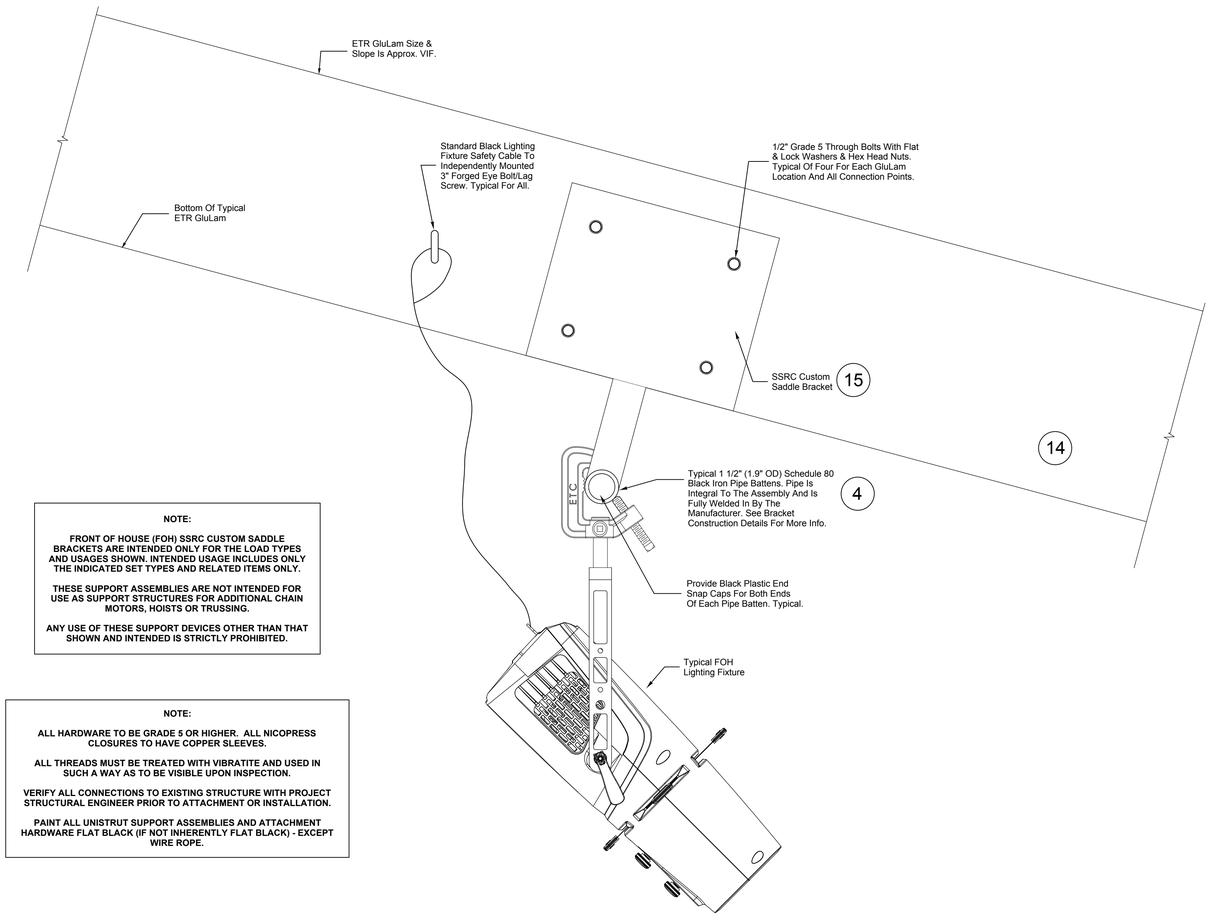
SHEET INFORMATION

Issued
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SED SUBMISSION

Drawn By: SPJ
Checked By: SPJ

Drawing Title
THEATRICAL RIGGING SYSTEM DETAILS - GROUND FLOOR AREA F

VG
TR502



SIDE VIEW

NOTE:

FRONT OF HOUSE (FOH) SSRC CUSTOM SADDLE BRACKETS ARE INTENDED ONLY FOR THE LOAD TYPES AND USAGES SHOWN. INTENDED USAGE INCLUDES ONLY THE INDICATED SET TYPES AND RELATED ITEMS ONLY.

THESE SUPPORT ASSEMBLIES ARE NOT INTENDED FOR USE AS SUPPORT STRUCTURES FOR ADDITIONAL CHAIN MOTORS, HOISTS OR TRUSSING.

ANY USE OF THESE SUPPORT DEVICES OTHER THAN THAT SHOWN AND INTENDED IS STRICTLY PROHIBITED.

NOTE:

ALL HARDWARE TO BE GRADE 5 OR HIGHER. ALL NICOPRESS CLOSURES TO HAVE COPPER SLEEVES.

ALL THREADS MUST BE TREATED WITH VIBRATITE AND USED IN SUCH A WAY AS TO BE VISIBLE UPON INSPECTION.

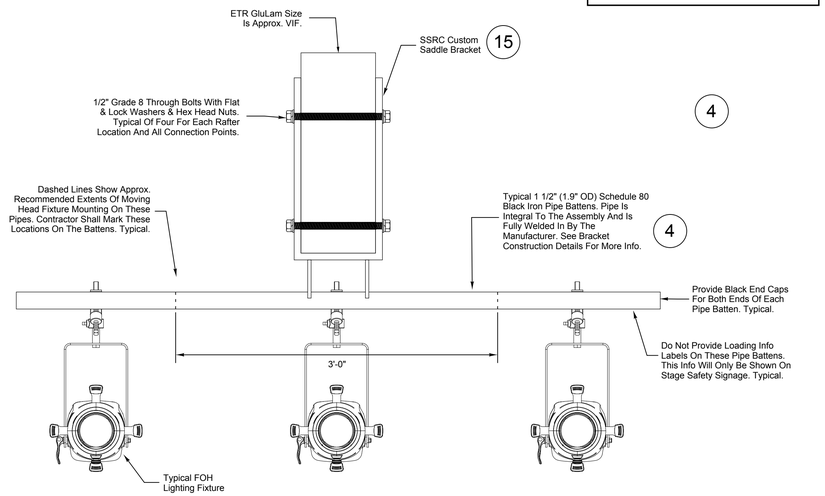
VERIFY ALL CONNECTIONS TO EXISTING STRUCTURE WITH PROJECT STRUCTURAL ENGINEER PRIOR TO ATTACHMENT OR INSTALLATION.

PAINT ALL UNISTRUT SUPPORT ASSEMBLIES AND ATTACHMENT HARDWARE FLAT BLACK (IF NOT INHERENTLY FLAT BLACK) - EXCEPT WIRE ROPE.

1 FOH UNISTRUT & BATTEN MOUNTING DETAIL

Scale: 3" = 1'

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END VIEW

2 FOH UNISTRUT & BATTEN MOUNTING DETAIL

Scale: 1 1/2" = 1'

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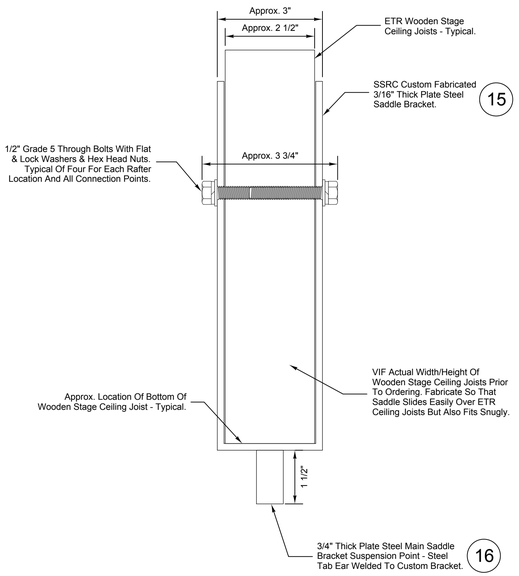
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Checked By: SPJ

Drawing Title
THEATRICAL RIGGING SYSTEM DETAILS - GROUND FLOOR AREA F

VG
TR503



END VIEW

NOTE:

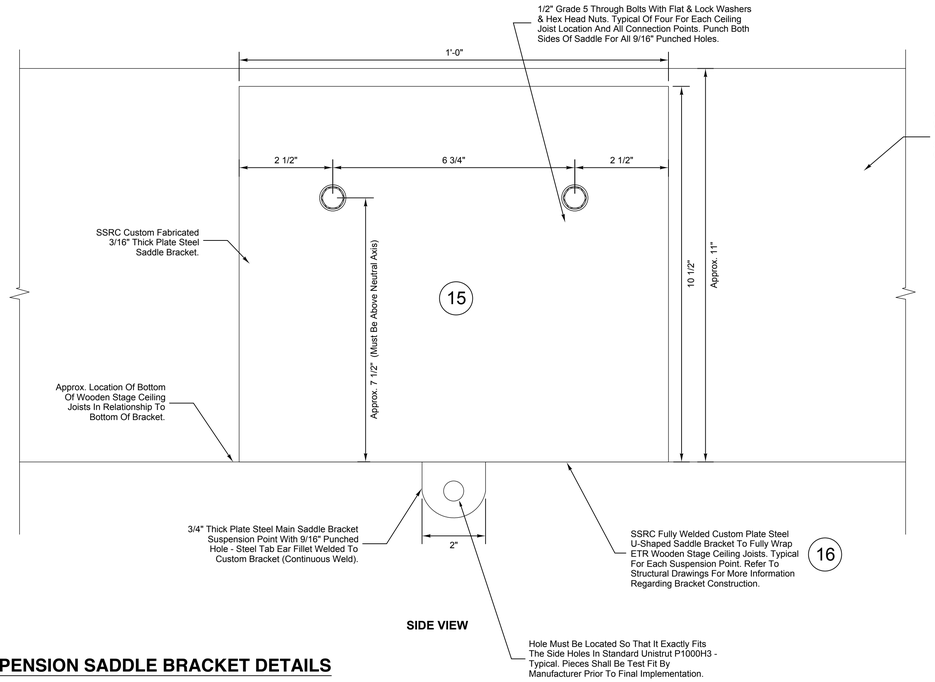
Verify The Actual Locations, Spacing, Quantities, Thickness & Depth Of The Wooden Stage Ceiling Joists Prior To Bracket Fabrication, Layout Or Installation. Inspect Each Ceiling Joist Along Entire Length To Verify Proper End Supports And To Confirm That There Is No Deterioration In Wood, Are No Existing Splits, Etc. If Any Deterioration, Splits Or Other Anomalies Are Found, Alert The CM, Architect & Project Structural Engineer To Recieve Additional Instructions Prior To Proceeding With Saddle Bracket Fabrication Or Installation.

The Intent Is To Bolt Clear Through Each Ceiling Joist.

Provide Saddle Brackets For All Indicated Locations On Approx. 7" - 6" Centers Across The Stage Width.

These Brackets Are To Be Manufacturer Provided. No Contractor Provided Brackets Shall Be Allowed. There Are Approx. (52) Brackets Required.

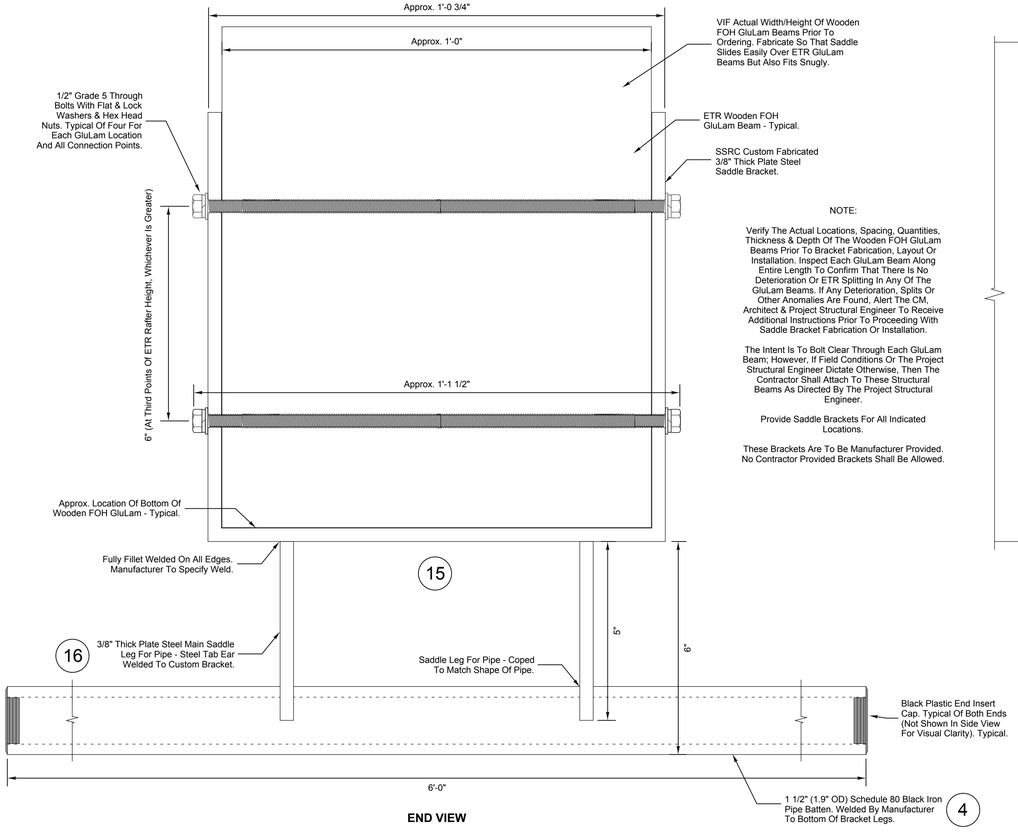
Coordinate With Related Trades Who Will Be Installing A New Gyp Ceiling After Stage Supports Have Been Installed.



SIDE VIEW

1 CUSTOM STAGE SUSPENSION SADDLE BRACKET DETAILS

Scale: 6" = 1'



END VIEW

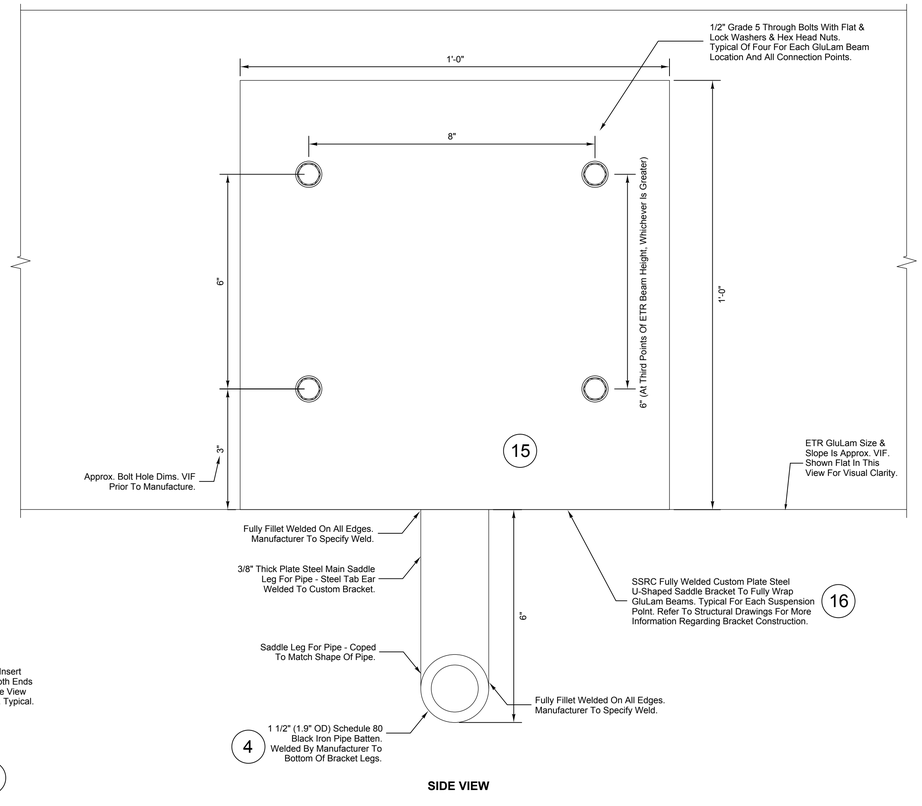
NOTE:

Verify The Actual Locations, Spacing, Quantities, Thickness & Depth Of The Wooden FOH GluLam Beams Prior To Bracket Fabrication, Layout Or Installation. Inspect Each GluLam Beam Along Entire Length To Confirm That There Is No Deterioration Or ETR Splitting In Any Of The GluLam Beams. If Any Deterioration, Splits Or Other Anomalies Are Found, Alert The CM, Architect & Project Structural Engineer To Receive Additional Instructions Prior To Proceeding With Saddle Bracket Fabrication Or Installation.

The Intent Is To Bolt Clear Through Each GluLam Beam; However, If Field Conditions Or The Project Structural Engineer Dictate Otherwise, Then The Contractor Shall Attach To These Structural Beams As Directed By The Project Structural Engineer.

Provide Saddle Brackets For All Indicated Locations.

These Brackets Are To Be Manufacturer Provided. No Contractor Provided Brackets Shall Be Allowed.



SIDE VIEW

2 CUSTOM FOH SUSPENSION SADDLE BRACKET DETAILS

Scale: 6" = 1'

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NOTES APPLY TO ALL BRACKETS

NOTE:

VERIFY IN WRITING ALL CUSTOM SUSPENSION SADDLE BRACKET DESIGNS, GLULAM BEAM PURLINS, STAGE CEILING JOISTS AND DRILLING & BOLTING PARAMETERS WITH THE PROJECT STRUCTURAL ENGINEER PRIOR TO FABRICATION OR INSTALLATION.

THE ETR GLULAM BEAMS ARE THE MAIN STRUCTURAL SUPPORT FOR THE ENTIRE ROOF/BUILDING, SO EXTREME CARE & CAUTION SHALL BE TAKEN IN ORDER TO ENSURE THAT NO STRUCTURAL DAMAGE IS DONE WHEN DRILLING OR ATTACHING BRACKETS AND INTENDED RIGGING SYSTEM LOADS TO THEM.

NOTE:
ALL HARDWARE SHALL BE GRADE 5 OR HIGHER.

ALL NICOPRESS CLOSURES TO HAVE COPPER SLEEVES.

ALL THREADS MUST BE TREATED WITH VIBRATITE AND USED IN SUCH A WAY AS TO BE VISIBLE UPON INSPECTION.

ALL WIRE ROPE SHALL BE 1/4" 7X19 STRAND GAC.

FOR ALL UNISTRUT & SADDLE CONNECTION POINTS THAT ARE BOLTED ASSEMBLIES, USE PROPER TORQUE RATINGS ON ALL CONNECTIONS.

PAINT ALL CUSTOM SADDLE BRACKETS, UNISTRUT CHANNEL, PIPE BATTENS, JUNCTION BOXES, ETC. AND ATTACHMENT HARDWARE FLAT BLACK (IF NOT INHERENTLY FLAT BLACK).

ALL STRUT SHALL BE UNISTRUT OR EQUAL. NO NON-LOAD RATED CHANNELS SHALL BE ACCEPTABLE. VERIFY LOADING REQUIREMENTS, DEFLECTION LIMITATIONS, ETC. WITH UNISTRUT PUBLISHED TABLES FOR UNIFORM AND POINT LOADING IN DETERMINING ALTERNATE PRODUCT EQUIVALENCY.

NOTE:

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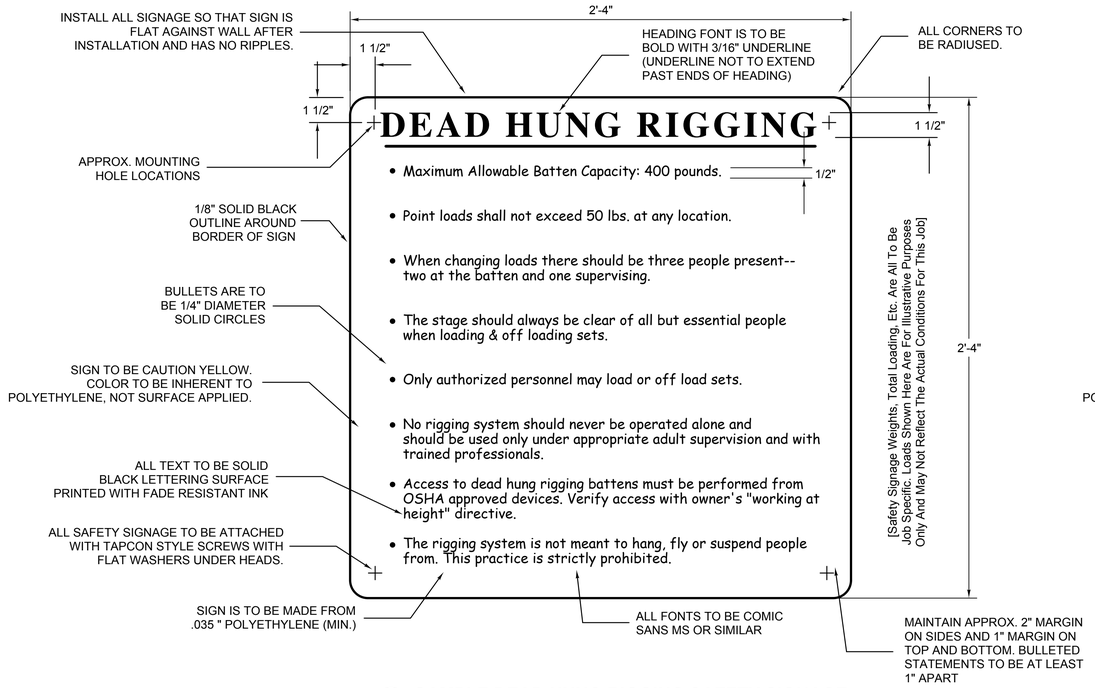
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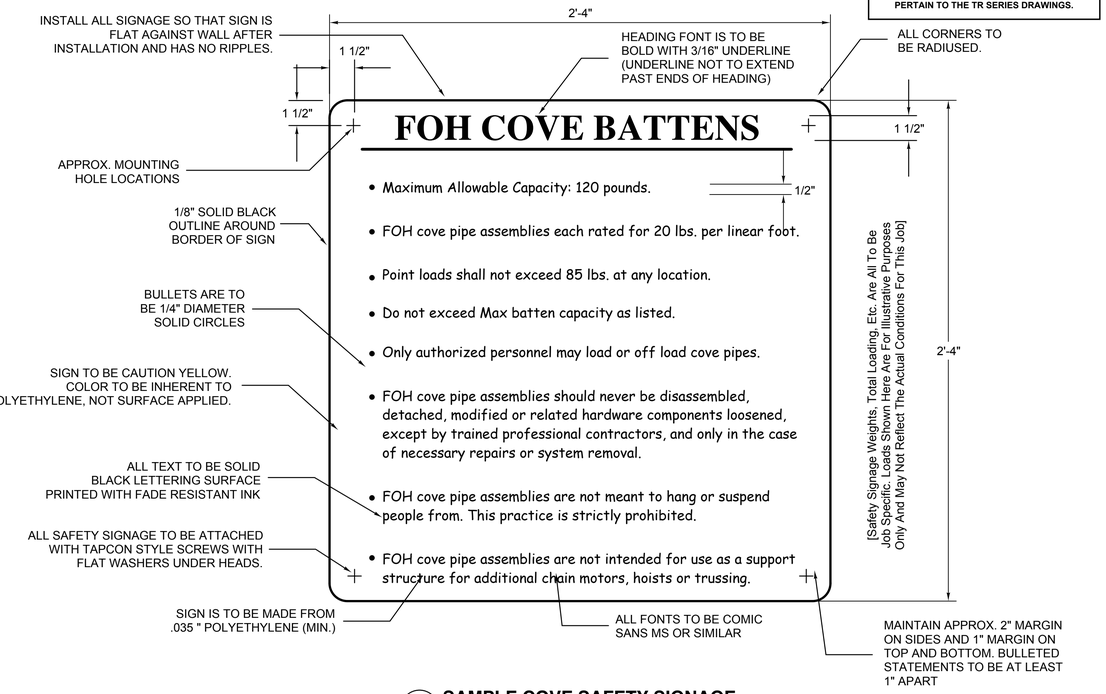
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VG
TR504

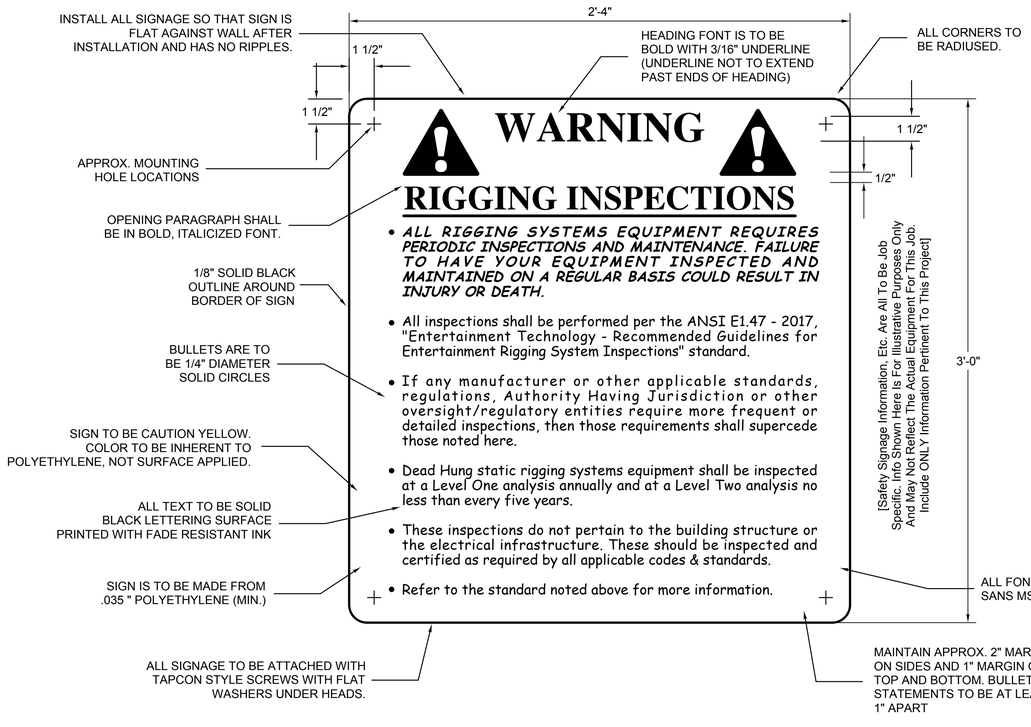


1 **SAMPLE DEAD HUNG RIGGING SAFETY SIGNAGE**
SCALE: NONE

REFER TO DRAWINGS VG TR60X - VG TR60X FOR ALL RIGGING RELATED REMOVAL NOTES, DRAWING NOTES, BUBBLE NOTES, KEYS, SCHEDULES, TABLES, ELECTRICAL RELATED NOTES AND OTHER INFORMATION THAT PERTAIN TO THE TR SERIES DRAWINGS.



2 **SAMPLE COVE SAFETY SIGNAGE**
SCALE: NONE



3 **SAMPLE RIGGING INSPECTIONS SIGNAGE**
SCALE: NONE

NOTES:

Provide The Following Custom Safety Signs (See Written Specifications For More Information)

(2) Dead Hung Rigging Signs (Mount One On Each Side Of The Stage)

(2) FOH Cove Batten Signs (Mount One On Each Side Of The Stage)

(2) Rigging Inspections Signs (Mount One On Each Side Of The Stage)

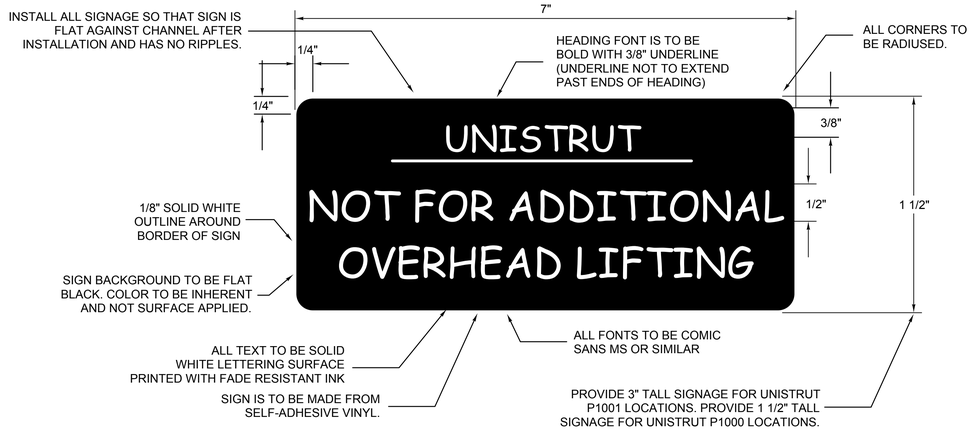
Unistrut Signage As Indicated

Field Verify All Exact Mounting Locations With The Owner & Mount Where Existing Obstructions Permit. DO NOT Mount Any Safety Signage Where It Is Hidden Behind Curtains, Doors, Etc. Or Where It Cannot Be Easily Seen & Read.

9

NOTES:

All Safety Signage Shown Is Diagrammatic In Nature. Specifiec Safety Signage Text & Statements Must Accurately Reflect The Rigging At The Intended Facility. Verify All Pertinent Signage Text With The Designed & Intended System(s). Do Not Include Any Signage Text That Does Not Apply To This Particular Installation. Signage Sizes May Need To Be Larger Than What Is Shown Due To Increased Text Demands. Do Not Reduce Signage Text Font Size In Order To Fit Intended Verbiage Onto Specific Signage Size Shown (Except For Critical Signage Sizes Such As Unistrut, Etc. Signs).



[Unistrut Warning Signage - The Contractor Shall Provide (2) Signs For Every 5' - 0" Of Unistrut Channel. Mount One Sign On Each Side Of Unistrut Channel Opposite Each Other]

4 **SAMPLE UNISTRUT GRID SAFETY SIGNAGE**
SCALE: NONE

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PROJECT INFORMATION

Project Number
13940.20

Client Name
NEWBURGH ENLARGED CITY SCHOOL DISTRICT

Project Name
PHASE 5: 2019 CAPTIAL IMPROVEMENTS PROJECT

SED # 44-16-00-01-0-018-009

Project Address
400 Old Forge Hill Rd, New Windsor, NY 12553

REVISION SCHEDULE

#	Date	Description

SHEET INFORMATION

Issued
09/27/21
SED SUBMISSION

Drawn By: SPJ
Checked By:

Drawing Title
THEATRICAL RIGGING SYSTEM DETAILS - GROUND FLOOR AREA F

SPJ

VG
TR505

STAGE RIGGING CURTAIN SCHEDULE:

Curtain Name	Width	Height	Notes	Fullness	Material Type
Main Valance	As Existing	As Existing		75%	KM Fabrics 20 oz IFR Crescent With No Lining
Main Traveler	As Existing	As Existing	Bi-Parting: Total Width - Does Not Include Required Overlap	75%	KM Fabrics 20 oz IFR Crescent With No Lining
All Legs	As Existing	As Existing	Finish All Legs With ADC Rotodraper Rotators And Track	50%	KM Fabrics 20 oz IFR Crescent With No Lining
All Other Border Curtains	As Existing	As Existing		50%	KM Fabrics 20 oz IFR Crescent With No Lining
All Other Travelers	As Existing	As Existing	Bi-Parting: Total Width - Does Not Include Required Overlap	50%	KM Fabrics 20 oz IFR Crescent With No Lining

NOTE: *Refer To Rigging Specifications For More Information Regarding Specific Curtain Types, Colors, Fabrication & Other Requirements.*

General:

"As Existing" Intents Are That All New Curtains Be Similar In Size To Existing, Unless There Are Physical Constraints With The New System Which Preclude This Intended Sizing. Any Existing Curtain Heights & Widths Shown Are Approximate Only And May Not Accurately Or Exactly Reflect The Actual Finished Size Of Existing Stage Curtains. Field Measure, Verify, Document & Provide New Curtains & Tracks In Similar Sizes To Existing (Including Required Overlaps, Etc. Noted On Drawings).

IFR Indicates That Curtain Material Is Inherently & Permanently Flame Retardant & Never Needs Flame Treatment For The Life Of The Fabric. Flame Retardant Will Not Wash Out Unless Treated With Additional Flame Retardant Chemicals.

Oz Weights Given Are Per Yard And Are Approximate. See Manufacturer's Specs For Exact Weight Per Yard.

Install All Bottom Chains in all curtains.

Miscellaneous:

All Installed Curtains Must Be Hung Long Enough For All Wrinkles, Folds & Creases From Storage & Shipment To Have Been Removed (Use Bottom Pipe Weight, Stretchers, Etc. To Assist As Needed). Final Curtain Presentation, Upon Acceptance Testing & Room Turnover To The Owner, Shall Be Smooth, Flat Curtains. No Curtains Displaying Wrinkles, Folds & Creases Or Other Such Anomalies Shall Be Allowed Or Accepted.

Regardless Of The Overall Width Of Bi-Parting Style Curtains Shown On The Drawings, Provide Each Panel In A Bi-Parting Curtain In A Width That Is 1/2 Of Total Width Shown Plus 12" (Additional Width, When Coupled With Other Panel Shall Result In 24" Bypass At Center Stage). No Bi-Parting Curtains Shall Be Allowed That Do Not Display This Overlap. Overlap Cannot Be Obtained By Tracking Curtains In From Track Ends, Overly Stretching Curtains, Deducting From Indicated Fullness Or Other Alternate Means.

All Curtains & Related Tracks Shall Be Mounted So That They Are Centered With The Proscenium Opening, Unless Specific, Detailed Instructions Are Shown Requiring Alternate Mountings Relative To The Proscenium Opening. This Does Not Apply To Leg Curtain Track Ends. These Should Be Mounted So That Track Is Flush With The End Of The Related Batten.

The Bottom Edge Of All Installed Curtains Must Be Level & Flat Relative To The Stage Floor. No Curtains Shall Be Allowed That Feature A Hump, Angle, Wave Or Other Non-Parallel & Non-Level Installations.

All New Curtains Shall Be IFR Unless They Are Specifically Called Out On These Drawings Or In The Written Specifications As Being Other (This Would Include Select Specialty Curtains That Cannot Be Obtained In An IFR "Version" Such As Some Muslin Cycloramas, Painter's Drops, Etc.)

WARNING! - Notify The Owner In Writing And During Trainings (To The Highest Level Possible) That Any Future Chemical Treatments Of IFR Curtains (Such As The Application Of Inspecta-shield Fire Retardant Or Equal) Will Negate Those Very IFR Properties In The Fabric, Thus Potentially Rendering Them Able To Burn And In Violation Of NFPA Standards. Notify The Owner That, If Such Chemical Treatments Are Applied To IFR Curtains The Manufacturer Cannot Stand Behind The Material.

THEATRICAL RIGGING SYSTEM KEYED REMOVAL NOTES:

Perform work as described below and on other TR series drawings. All work shall conform to the standards of spec section 19 3000 and the general, demolition and structural contract sections:

Each note indicates a typical location for the type of work to be performed or equipment to be provided. Provide for all instances of typical work indicated. All drawing notes may not appear or be referenced on each drawing; however, all notes still apply to the work indicated within each note and shall be performed by the referenced contractor(s).

1. All rigging related items shall be removed in accordance with the project schedule and related trades. Notes may only indicate the location of one item but is understood to be typical of all items in the same category.

   Remove means to disconnect, remove and either dispose of or store items as indicated. If removal of any item leaves any protruding hardware or holes that present hazards or violate fire codes, such items will be properly finished, infilled or removed in order to maintain code compliance. Coordinate removals work with related removals work by others, disconnection of related power to indicated and related lighting devices and the overall project schedule. The removals notes listed below are not necessarily listed in their proper sequential order. Perform removals work in the proper logical sequence and so that any related systems are properly powered down and/or disconnected prior to the commencement of removals work, etc. Removals work shall be performed in the order that results in the maximum safety benefit for all involved, both equipment and personnel.

   All devices, curtains, lines, clamps, rigging hardware, blocks, etc. being removed and slated for legal disposal shall first be offered to the owner for their right of first refusal. If the owner does not wish to retain certain items, then obtain written verification of the owner's intent prior to legally disposing of such noted items.

   It is understood that, when removing a rigging system and all related items, there may be a number of misc. items connected or mounted to the existing rigging system that are not specifically called out on the drawings (and may not have been visible or even present during field work inspections) that will need to be removed, maintained and/or reinstalled. This includes, but is not limited to, misc. scenery pieces, hanging mics, chandeliers, misc. backdrops, wiring runs, strut style supports, etc. For all such items, the contractor should field inspect and then remove, protect and reinstall similar to existing, as required, to the new stage rigging system, unless directed to do otherwise in the drawing notes. All such items shall be field verified with the owner prior to removals and reinstallations in order to obtain extents and pertinent parameters.

   It is understood that, when visual depictions of rigging elements are shown on the removals drawings, it is a diagrammatic representation of the items to be removed. Not every single instance of related devices to be removed has or can be shown. The contractor is responsible to remove all similar devices and classes of devices as those that are indicated.

2. Remove all existing curtains (border curtains, valance, travelers, legs and scenery drops and/or backdrops) and offer them to the owner for use as spares before legally disposing of these items.
3. Remove all existing curtain tracks, carriers, tension floor blocks, pulleys, rotators & related tracks and all related and misc. hardware and legally dispose of these items.
4. Remove all existing FOH pipe supports, misc. brackets and all related hardware mounted to the glulam beams over the house audience area and legally dispose of these items.
5. Remove all existing stage rigging system components including, but not limited to, the following items: misc. ceiling supports, lift lines, pipe drops, pipe battens, eye bolts, S-hooks, suspension chain, turnbuckles, trim chains, misc. clamps, misc. wire rope, tie-offs, misc. hangers, misc. channel and all related and misc. hardware and legally dispose of these items.
6. Coordinate the removal of the existing sets with the removal of the existing borderlight, outlet box & connector strip wiring and related items.

   Field verify by carefully measuring and noting all existing set spacing and dimensions as well as in and out trim heights of the existing sets. New rigging system shall be installed in similar locations as existing, except as noted. All sets shall trim to similar heights in new rigging system.

   Do not disturb or remove any other non-related structural components or steel that is not directly related to the suspension of the existing stage rigging system. This includes any wooden or glulam beams, etc. that supported the old auditorium stage ceiling.

   At all locations where devices have been removed from existing glulam beams, through-bolts, etc. related to the FOH lighting fixtures' support/suspension points, infill/plug the holes left in glulam beams related to the removal of these items with hardwood dowels or wooden plugs epoxied in place with non-expanding epoxy. After epoxy has dried, cut and sand flush, sink plugs to match surrounding wood and finish with similar finish as existing. Do not damage glulam beams or any existing finishes in doing this work.

   At all locations where devices have been removed from walls, beams, floors or stage walls, etc. patch to match existing for all affected surfaces. See written specifications and contract documents for a more detailed description of patching requirements.

   Refer to other TL series drawings for more information on any items noted above as being reinstalled in the new system.

7. Remove all existing projection screen, misc. brackets and all related hardware mounted to the stage glulam beam and store this offsite for the duration of the project until reinstallation. Remove the existing projection screen prior to the removal of the stage ceiling and protect from damage. Cap all power & control wiring and reinstall/reconnect similar to existing after reinstallation.

GENERAL NOTES:

Do not scale plans.

Field verify all dimensions before ordering material or performing any work. Location of all devices must be coordinated with existing and/or new architectural, mechanical, electrical and structural elements. Where conflicts occur contact the architect, construction manager and consultant in writing for clarification before performing any work.

Where work is critically dimensioned to work provided by others it is the sole responsibility of the contractor to verify the intended location of other elements with other contractors by reviewing their shop drawings.

Coordinate all work for symmetrical installation with relation to height and level with architectural elements, switches, outlets, and other controls.

This drawing represents the configuration of a system. It does not in any way constitute instructions for installation except with regards to configuration. The sole responsibility for field verification of dimensions, installation/fabrication methods, code conformance, safety issues, and the quality and performance of their work shall be that of the installing contractor.

This drawing is to be interpreted in conjunction with other drawings in the construction set as well as written specifications for this project. The contents of the drawing do not in any way negate the written specifications, nor do the written specifications in any way negate the contents of the drawings.

If there are inconsistencies between written specifications and drawings or between any drawing and other drawings in the construction document set it is the responsibility of the contractor to obtain clarification before bidding this project. If no clarification has been obtained prior to bid the contractor will abide by the decision of the architect and consultant at no additional cost to the owner even if work has to be redone.

Obtain shop drawings from related trades to verify the intended configurations and scheduling of their work. The contractor is responsible for coordinating their work with other related trades in a manner that avoids conflicts of work and scheduling.

THEATRICAL RIGGING SYSTEM KEYED NOTES:

Each note and detail indicator indicates a typical location for the type of work to be performed or equipment to be provided. The referenced contractor shall provide for all instances of typical work indicated. All drawing notes may not appear or be referenced on each drawing; however, all notes still apply to the work indicated within each note and all similar instances of typical work shall be performed by the referenced contractor(s). All work shall conform to all applicable codes, construction schedules and standards as well as this project's architectural & structural standards.

PROFESSIONAL STANDARDS:

The contractor is expected to install all work to the appropriate industry professional standards, manufacturer recommendations and current applicable codes. If any work required exceeds the skills of the contractor, then he shall employ appropriate subcontractors for the scope required.

The acceptability of materials and workmanship shall be determined by the Architect, Consultant and CM.

Any work that might be damaged, inadvertently painted or become dirty during construction will be protected by the contractor. All responsibility for protection shall be by the contractor. The contractor shall provide final cleaning and or repair of all equipment in their scope to like new condition.

The contractor shall attend and/or arrange meetings as required to ensure their scope is coordinated with all other trades. The contractor is responsible to make known to all other trades critically dimensioned items and locations to avoid conflicts. Where conflicts occur, follow required procedures in the project manual to seek resolution.

Where any substandard work is provided by related trades that impedes the work of the contractor, he shall notify the CM, Consultant, Architect or Engineer in writing as called for in the project manual to rectify the issue.

Where work is provided by others, the contractor is responsible to verify installation conditions that relate to his work. If installation of related work is substandard, then the contractor shall generate a written RFI through proper channels based upon the project manual. The contractor shall not install his work to any substandard devices, etc. provided by others until such work has been resolved or until the contractor has received written authorization from the construction manager to proceed. If the contractor ignores substandard installation work by others and proceeds to install his devices to these items, then he accepts and bears sole responsibility to repair, reinstall and correct any found deficiencies to the satisfaction of the owner upon final inspections.

The contractor is expected to possess knowledge of the equipment of his industry and provide all required small items required to install the specified equipment. Provide all small items such as misc. JB's, connectors, power supplies, crimps, nicopress and other items that may not be specifically called out on the drawings or in the specs but are required to support primary equipment.

When in doubt about any aspect of the work, the contractor should not proceed until he obtains clarification from the appropriate entity with authority following procedures detailed in the project manual.

All painting shall be performed in a professional manner. This includes utilizing proper priming and finish coating techniques as required and the proper masking of adjacent areas.

Paint shall be spray applied where possible before suspension and shall be multi-coat and neat. no drips, runs, mottled finishes, etc. shall be allowed.

GENERAL:

All dead hung rigging systems equipment to be Unistrut, Peerless or equal. All system miscellaneous hardware such as shackles, bolts and other hardware to be of domestic manufacture and stamped with the working load limit. The working load limit shall incorporate a safety factor of at least 10:1. See written specifications and detail drawings for additional rigging standards and requirements. Minimum size of misc. hardware to be 1/4" (this includes wire rope assemblies). Provide larger sizes as required in order to maintain indicated load ratings and safety margins.

All rigging system equipment and all misc. hardware shall be brand new (never been used before) and specifically configured for use on this project.

All rigging system equipment and all misc. hardware indicated on these drawings shall be mounted to the beams and overhead supports as is visually depicted; however, there is no information at this time regarding the exact support structure above the existing stage ceiling, as it is currently buried beneath plaster and is inaccessible. The intent is for all suspension assemblies, etc. to be mounted to overhead beams similar to those visually and verbally depicted on these drawings and in keeping with all applicable ANSI standards. The contractor shall be responsible to adapt the suspension methods shown here in order to attach to the existing beams after the existing stage ceiling is removed. This information shall be required to be completed by the contractor prior to the issuance of submittal drawings for approval. Attachment points are indicated through visual representations on these drawings and the building's structural beams are the intended recipients of these rigging system suspension hardware assemblies (unless alternate attachment methods have been designed and clearly indicated on the contract documents). The contractor shall not be allowed to field select other rigging attachment points, misc. spanning steel, alternate locations, etc. not depicted on the contract documents or currently existing, and from which to suspend the rigging system equipment, unless prior written authorization has been specifically granted, verified by the project structural engineer and clearly communicated to all design team members and related construction trades.

All suspension hardware, liftlines, supports lines, etc. shall be installed plumb (understood to be perpendicular in the vertical plane relative to earth level) from their overhead attachment points to their batten (or other) terminations points, unless they are bridles or are otherwise specifically shown on the contract documents as being installed at angles.

All misc. hardware used on this project shall feature load rating markings (if applicable). All hardware shall be Grade 5 minimum (higher if specifically called out).

Provide pivot brackets or other pivoting hardware for all sets where attachment to steel/beams are sloped.

LOADING INFORMATION:

All loading information shown below is approx. All lbs/LF loading is understood to be evenly distributed along the entire length of the related batten.

This rigging system is a dead-hung system only. System shall be rated for the pounds per linear foot of pipe as each set piece imposes and no more. The maximum capacity shall never be allowed to be exceeded. No additional capacity has been designed in for the suspension of any other items, heavier drapes, additional lighting fixtures, etc. that are not noted on these drawings.

Stage electric pipes shall be rated for an approx. 15 lbs/LF live load plus the self-weight of the related suspension, batten and hardware.

FOH position strut/battens shall each be rated for a 15 lbs/LF live load and point loads not to exceed 50 lbs.

Stage curtain tracks and pipes shall only be rated for the weight of the curtains and related components.

All wire rope shall be of a tested load rated variety, either domestic or imported. Load test information must be provided for all wire rope utilized in this system.

At any locations where nicopress oval sleeves have been provided and crimped but are in inaccessible locations where field inspections are not possible from the floor, platform or other area, the contractor shall provide written authentication and digital photos of these properly crimped swages (to the manufacturer's recommended tolerances in order to realize full load capacity) and shall provide copies of these verifications to the consultant, architect and owner.

RIGGING SYSTEM EQUIPMENT:

1. Provide miscellaneous metal and/or Unistrut support members complete with Unistrut channel assemblies, misc. bolts and all necessary and miscellaneous hardware as indicated and/or needed in order to provide appropriate pickup points for all rigging equipment where beams do not exist or below ETR beams/joists to provide new pickup point locations. Mount at elevation(s) as indicated on TR series drawings. Entire Unistrut assemblies and all suspension hardware are to be painted flat black by the contractor as indicated or as directed by architect/owner and to match adjacent or mounted to surfaces. Miscellaneous metal and Unistrut assemblies must be rigidly attached to existing overhead structural steel and be rated for a 10:1 safety factor for the loads imposed.
2. Furnish SSRC CCP Series style cable clamp(s) & Kellums grip style cable supports on battens for cable pickup of all electric & control cable, DMX wiring and mic cable drops and turn over to the EC for installation. Depending upon distance between end of connector strip and end of related batten, the contractor may need to provide additional SSRC style cable clamps in order to properly support and protect the SO cable. Cable clamps shall be installed to the lower pipe batten and Kellums grips to upper batten. This will allow SO cable to dress more naturally and not tend to swing the electric batten. There should be (1) SSRC style cable clamp for every 4' of SO cable as measured from the terminations end of the connector strip or projection screen case to the end of the related pipe batten. Do not over-tighten cable clamp(s) to the point of damaging or denting the SO cable. Install as per manufacturer's instructions. The sound contractor will be providing microphone drop and hanging mic boxes on some sets. Coordinate locations, requirements & installation with related trades and devices. Provide SSRC cable clamps to match quantity and size of SO cables (CCP1, CCP2 or CCP3 - see details for more clamp info.) No SO cables shall be allowed to rub against clamp bolts or bolt ends. Provide plastic or rubberized bolt end caps as needed to prevent cable damage.
3. Provide 1/4" 7x19 galvanized lift lines. All closures shall be copper nicopress. Thimbles shall be used at all terminations. All nicopress oval sleeves shall be crimped with the proper dies properly inserted into an appropriate and properly calibrated swaging tool and shall be crimped to the manufacturer's recommended tolerances in order to realize full load capacity.
4. *BATTENS:*

   Stage: Provide 1.5" (1.9" OD) Schedule 40 black iron pipe battens (painted flat black) with industry standard 18" batten splices & grade 5 minimum hardware (no threaded ends or couplers allowed). Batten splices shall be precisely drilled so that any batten on any set could be interchanged with that of any other set. Adjust battens on trim chains to hang true, level and plumb to upstage-downstage orientation and the stage floor. Provide safety yellow vinyl plastic ends caps on both ends of all battens.

   FOH-Front of House: Provide 1.5" (1.9" OD) Schedule 80 black iron pipe battens (painted flat black). No batten splices shall be allowed. Install with saddle bracket so that pipe battens are level with the house floor. Provide black plastic end snap caps inside both ends of all battens.

   Each category of battens must be installed perfectly level with each other in both the upstage-downstage and side-to-side orientations +/- 1/4".
5. Provide H&H Specialties model #680 full batten clamp assembly for all indicated batten suspension locations (and for those within 12" of batten end) with Grade 5 hex head bolts, lock washers and a load rated shackle. Tighten batten clamp tight enough to prevent it from "walking" along pipe batten or sliding under load.
6. Provide Peerless Industrial Group black, 7mm, Grade 63 hardened alloy trim chains with nicopress closures on lift lines (nicopress through one end of chain & shackle). Provide trim chain wraps, after final adjustments, with hex head Grade 5 safety bolt, flat washers & hex head nyloc nut. See details for more info and exact intended design. Contractor painted chain shall not be allowed.

THEATRICAL RIGGING SYSTEM KEYED NOTES - CONTINUED:

7. *CURTAIN TRACKS:*

   Traveler Curtains: Provide ADC Silent Steel 280 series curtain tracks on all traveler sets. Provide all bi-parting curtain tracks with a 24" bypass at center stage with dual track hangers at that location. Provide all required carriers, live end and dead end pulleys, operating lines, and hardware. Provide flat black, removable floor tension pulleys for the curtain track operating lines. Install keyed plates in the floor as required (routed into flooring with top of plate flush with finished floor). Verify with the owner their preference on exact locations of the tension floor pulleys (on which side of the stage they should be located) and located these devices there - even if these locations differ from those shown on these drawings. Get final locations approval in writing. Non keyed plates shall not be allowed.

   General Track Info: Provide all curtain tracks as black powder coated steel tracks along with all black parts, pulleys, mounting hardware, etc. Provide all required carriers and jack chains in a black finish. No portions of the curtain tracks and related hardware shall be allowed to feature shiny or metal colored/gray finishes.

   Provide flat black, removable floor tension pulleys for the curtain track operating lines. Install keyed plates in the floor as required (routed into flooring with top of plate flush with finished floor). Verify with the owner their preference on exact locations of the tension floor pulleys (on which side of the stage they should be located) and located these devices there - even if these locations differ from those shown on these drawings. Get final locations approval in writing. Non keyed plates shall not be allowed.
8. *CURTAINS:*

   Provide curtains, straps and accessories as indicated on drawings, in specs and on schedules.
9. Provide all required signage as indicated. Signage shall include custom signage that states the maximum load of all sets/categories, standard safety & operational signage, user warnings signage, etc. All signage shall be mounted to the walls as indicated and at easily readable heights AFF and in areas designated on the detail drawings (do not mount signage where it will be obscured or hidden behind permanent obstructions - curtains, doors, racks, J-guide system, etc.). Custom signage must be provided for all major areas such as counterweight rigging, motorized rigging, stationary rigging, inspections, etc. (see drawing details for exact types/styles and quantities to provide), shall include verbiage as indicated and shall require the contractor to coordinate with the project structural engineer for verification of loading info, etc. Standard safety signage shall be similar to that provided by most rigging equipment manufacturers (hand winch operation, manual counterweight system operation, motorized winch operation, dead hung rigging systems, etc.). Submit all intended signage sizes, text, loading, sign attachment methods, etc. to consultant for approval prior to fabrication. Signage to be permanently attached to the wall on all four corners with screws, bolts or other similar means (Tapcon or similar). Neither adhesive backed tape nor pressure sensitive backings are acceptable as the sole means of mounting the signage. Foam core signage is not acceptable.
10. Provide fixed position cove lighting assemblies as indicated on drawings. Rig in place to the ETR glulam beams as indicated.
11. Provide Werner fiberglass stockr's platform step ladders as indicated and for the owner's use for accessing both the stage and front of house sets. Mark all ladders with block lettering for the owner's facility in two locations (identifying marks/nomenclature TBD by owner). Store all ladders per the owner's instructions (preferably near the stage). Provide wall hooks for ladder storage and install in locations as determined by owner.

REQUIRED COORDINATION:

12. Reinstall the projection screen in a similar location as existing. Projection screen and some mounting hardware are ETR; provide all other required hardware to complete installation as indicated. Projection screen shall be centered on the stage batten & in the proscenium opening. Coordinate with related trades as needed. Mount projection screen as depicted in details, including pipe-over-pipe suspension.
13. The contractor is responsible for the dressing of all cables as they relate to the stage rigging system and its related components. Coordinate the final dress of all cables with all related trades and the natural twist of the furnished and installed cable(s) to ensure that each cable dresses neatly and properly. All sets with swagged cable shall be dressed so that no part of any set or related items and hardware catch, snag or otherwise become caught on or interfere with any other rigging set. Cables must swag from grid iron or other related junction boxes down to battens in a similar manner to that which has been graphically depicted on the drawings. The intent is for the cable (when set at its lowest stage location or in trim height) to begin to rise from the end of the batten up towards the related junction box without going below the batten (the batten should be the lowest elevation that the SO cable ever reaches). All swagged cabling must be strain relieved as indicated on the drawings at both the batten end and at the junction box. If any sets, parts of sets or cables and wires related to any sets become caught or snag any part of any other set during normal operations of the rigging system or are not swagged as intended and shown, then the contractor shall be responsible to remedy any set related cable snag/interference problems at no additional expense to the owner, even if this fix requires redressing the cables and/or disconnection, cutting and re-hookup of power and related wiring by a qualified and licensed electrician. Cable dress requirements includes, but is not limited to, all stage electric SO power cabling (low and high voltage), flexible DMX or Network wiring, hanging microphone cables, control wiring, speaker wiring, projection screen power and low-voltage control cabling, etc. No SO cables shall be allowed to engage other sets or drag/droop on the floor. Cable lengths and swag is critical and shall be coordinated by the contractor to all related parties/contractors early in the project and at regular job meetings to ensure an acceptable installation. No swagged cables shall be allowed to be visible within the proscenium opening. All swagged cables shall dress to the end of their related batten and off stage.
14. **MISCELLANEOUS:**

    Provide all scaffolding, lift platforms, chain motors, chain falls, block and tackle or other methods required to install all system components and hardware and as needed to safely complete the work outlined on these drawings and in the written specifications. Follow all OSHA procedures and recommendations as they pertain to this work and provide OSHA safety devices as required for all personnel.

    Protect seating, wall surfaces, stage and floor areas during work.

    Trim all new stage rigging sets in a similar fashion to those trim heights as existing [unless noted as otherwise]. Keep all trim chains used as tight and short as possible and shall maximize system travel for each individual set. Verify all stage masking from typical front seating row location and field adjust sets incrementally as needed in order to ensure that all stage hardware is properly masked from view from all audience seating locations. Provide additional items necessary in order to mask stage properly.

    Refer to the written specifications & detail drawings for additional scope of work as it regards labeling. Labeling requirements outlined in the written specifications are extensive and detailed.

    In any locations where the contractor has performed work and future access to inspect and/or maintain that work is unlikely or impossible due to limited access, etc., the contractor must provide a full set of date/time stamped digital photos that prove the extent and quality of his work.

    Field verify and document all existing structural steel/overhead beam/glulam locations & dimensions, all HVAC & MEP devices and the exact steel layout over the house/stage prior to the creation of submittal shop drawings and installing any rigging system components. Detail on precisely dimensioned shop drawings all field verified devices, equipment and other misc. elements as it relates to the new rigging systems equipment, intended layouts, proper clearances, etc. This should include documentation of any field vs. drawing discrepancies, any custom parts needed and all misc. metal necessary to install system as designed and/or any required digressions from the design document intents based upon these field verified dimensions. The intent is to accurately measure and document all equipment, locations, elevations, structural elements, etc. prior to submission of shop drawings and system installation. The contractor shall be solely responsible for all additional costs associated with preparing and submitting additional stamped shop drawing sets based upon unverified field discrepancies, faulty field information or post-submission discovered site conditions that preclude the installation intents.

    Field verify, prior to the creation of submittal shop drawings and installing any rigging system components, that the existing structural steel/beams are plumb, level and that there is no twisting or bending of any of the structural rigging beams or other signs of a potential structural issue (for all steel being used to attach designed rigging devices to - house or stage). Any discovered issues or problems with the existing structural steel shall be documented with digital photos, verified with detailed and precise field measurements and marked on a simple diagram drawing. This information shall then be communicated to the owner, architect, construction manager, consultant and project structural engineer in writing at the contractor's earliest convenience (early during site demolition and/or building erection/rough-in phases) prior to shop drawing creation and to any rigging system installation work being performed on the site in order to obtain further instructions on how to proceed. The contractor shall not be responsible for existing damage to structural steel or for additional items needed in order to remedy any structural related issues except at additional cost to the owner beyond the original scope of work.

MODEL NUMBERS:

Manufacturer model numbers for products are indicated on drawings to provide a full understanding of the system functional intent. See written specifications and the project manual for additional information and requirements for substitutions and procedures.

15. Provide SSRC custom fabricated U-shaped style saddle brackets to fit existing wooden stage ceiling joists for the suspension of the main Unistrut channel support system and for the FOH glulam beams as indicated. Provide all related bolts for through-bolting, nuts, washers, etc. as indicated on the detail drawings. Manufactured products are required. No contractor fabricated brackets shall be allowed. Brackets must be load rated for the intended devices. See detail drawings for complete info on saddle bracket fabrication, intended installation methods, etc.
16. *WELDING:*

    All welding necessary on this project shall be performed by certified welders and in accordance with current American Welding Society specifications and all applicable published welding codes. All welding shall meet the qualifications of the AISC manual and shall be without spatter or other evidence of poor welding practices. All mechanical fabrication and workmanship shall incorporate the best practices for good fit and finish. There shall not be any burrs, sharp corners or sharp edges to cause a hazard nor any accessible to users. Ensure that all items are in proper plumb and level positions prior to final welding.

    All finished welds shall appear neat and clean with an even and regular appearance. Weld sites shall not exhibit pitting, weld spatter, craters, pooling, skipped areas or any other signs of a poor weld. Any such weld sites shall be ground flat and rewelded by the manufacturer.

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PROJECT INFORMATION

Project Number
13940.20

Client Name
NEWBURGH ENLARGED CITY SCHOOL DISTRICT

Project Name
PHASE 5: 2019 CAPTIAL IMPROVEMENTS PROJECT

SED # 44-16-00-01-0-018-009

Project Address
400 Old Forge Hill Rd, New Windsor, NY 12553

REVISION SCHEDULE

#	Date	Description

SHEET INFORMATION

Issued
09/27/21
SED SUBMISSION

Drawn By: SPJ
Checked By: SPJ

Drawing Title
THEATRICAL RIGGING SYSTEM NOTES, KEYS & SCHEDULES - GROUND FLOOR AREA F

VG
TR601

HVAC SYMBOLS LIST

SYMBOL	DESCRIPTION
AAD	AUTOMATIC AIR DAMPER
ACC	AIR-COOLED CONDENSING UNIT
AD	ACCESS DOOR
AFF	ABOVE FINISHED FLOOR
AHU	AIR HANDLING UNIT
BBD	BOILER BLOW DOWN
BD	BACKDRAFT DAMPER
CA	COMPRESSED AIR
CD	COOLING COIL CONDENSATE DRAIN
CFM	CUBIC FEET PER MINUTE
CHWR	CHILLED WATER RETURN
CHWS	CHILLED WATER SUPPLY
CR	CONDENSER WATER RETURN
CS	CONDENSER WATER SUPPLY
CW	DOMESTIC COLD WATER
D	DRAIN
(E)	EXISTING
EA	EXHAUST AIR
EC	ELECTRICAL CONTRACTOR
EF	EXHAUST FAN
ERHC	ELECTRIC REHEAT COIL
ETR	EXISTING TO REMAIN
EUH	ELECTRIC UNIT HEATER
F&T	FLOAT AND THERMOSTATIC TRAP
FCU	FAN-COIL UNIT
FPM	FEET PER MINUTE
FT	FIN-TUBE
GC	GENERAL CONTRACTOR
GR	GLYCOL RETURN
GS	GLYCOL SUPPLY
HC	HVAC CONTRACTOR
HHWR	HEATING HOT WATER RETURN
HHWS	HEATING HOT WATER SUPPLY
HP	HEAT PUMP
HPC	HIGH PRESSURE CONDENSATE
HPS	HIGH PRESSURE STEAM
LF	LINEAR FOOTAGE OF FIN-TUBE RADIATION
LPC	LOW PRESSURE CONDENSATE
LPG	LIQUEFIED PROPANE GAS
LPS	LOW PRESSURE STEAM
MBH	1,000 BTU/HR
MC	MECHANICAL CONTRACTOR
MPC	MEDIUM PRESSURE CONDENSATE
MPS	MEDIUM PRESSURE STEAM
MRD	MONOFLO FITTING DOWN – HHWR
MSD	MONOFLO FITTING DOWN – HHWS
MUW	MAKE-UP WATER
NC	NORMALLY CLOSED
NG	NATURAL GAS
NO	NORMALLY OPEN
NTS	NOT TO SCALE
OA	OUTSIDE AIR
PC	PLUMBING CONTRACTOR
PD	PUMP DISCHARGE
PHWR	PRIMARY HEATING HOT WATER RETURN
PHWS	PRIMARY HEATING HOT WATER SUPPLY
RA	RETURN AIR
RD	REFRIGERANT DISCHARGE
RHC	HOT WATER REHEAT COIL
RLL	REFRIGERANT LIQUID PIPE
RSL	REFRIGERANT SUCTION PIPE
RTU	ROOFTOP UNIT
RV	ROOF VENT
SA	SUPPLY AIR
SHWR	SECONDARY HEATING HOT WATER RETURN
SHWS	SECONDARY HEATING HOT WATER SUPPLY
SSI	SPLIT SYSTEM INDOOR SECTION (EVAPORATOR SECTION)
SSO	SPLIT SYSTEM OUTDOOR SECTION (CONDENSING UNIT)
TC	TEMPERATURE CONTROLS CONTRACTOR
UH	UNIT HEATER
UV	UNIT VENTILATOR
V	VENT
WAHP	WATER-TO-AIR HEAT PUMP
WWHP	WATER-TO-WATER HEAT PUMP

SYMBOL	DESCRIPTION
	CONNECTION - TOP
	CONNECTION - BOTTOM
	DIRECTION OF FLOW
	REDUCER
	CAP OR PLUG
	ELBOW DOWN
	ELBOW UP
	TEE OUTLET - UP
	TEE OUTLET - DOWN
	UNION
	GATE VALVE
	BALL VALVE
	BALANCING VALVE
	STRAINER
	STRAINER WITH BLOW-DOWN
	BUTTERFLY VALVE
	BUTTERFLY CONTROL VALVE, PNEUMATIC 2-WAY
	BUTTERFLY CONTROL VALVE, ELECTRIC ACTUATOR
	GLOBE VALVE
	CHECK VALVE
	TRIPLE DUTY VALVE
	GAS COCK, PLUG VALVE
	UNDERCUT DOOR 1"
	LOUVERED DOOR W/ SQ. FT. OF FREE AREA
	AIR VENT - MANUAL
	AIR VENT - AUTOMATIC
	FLANGE
	CONTROL/SOLENOIND VALVE, ELECTRIC 2-WAY
	CONTROL VALVE, ELECTRIC 3-WAY
	CONTROL VALVE, PNEUMATIC 2-WAY
	CONTROL VALVE, PNEUMATIC 3-WAY
	RELIEF / SAFETY VALVE
	PRESSURE REDUCING VALVE
	VACUUM BREAKER
	FLEXIBLE PIPE CONNECTOR
	EXPANSION COMPENSATOR W/ GUIDES
	EXPANSION JOINT
	PIPE ANCHOR
	PIPE GUIDE
	THERMOSTATIC TRAP
	FLOAT & THERMOSTATIC TRAP
	BUCKET TRAP
	THERMODYNAMIC TRAP
	THERMOMETER
	WELL
	PRESSURE GAUGE
	STEAM PRESSURE GAUGE WITH 1/4" NEEDLE VALVE
	PRESSURE GAUGE WITH 1/4" NEEDLE VALVE
	PNEUMATIC (CONTROL) TUBING
	BUTTERFLY VALVE WITH PNEUMATIC AND MANUAL OPERATORS
XX	PIPING
XX	PIPING BELOW GRADE
	BASE MOUNTED PUMP
	IN-LINE PUMP
	AIR TERMINAL UNIT WITH REHEAT COIL AND SOUND ATTENUATOR
	AIR TERMINAL UNIT WITH SOUND ATTENUATOR
	AIR TERMINAL UNIT WITH REHEAT COIL
	AIR TERMINAL UNIT
W/W ENCL.	WALL TO WALL FIN TUBE ENCLOSURE

SYMBOL	DESCRIPTION
(DBL)	DOUBLE WALL LINED DUCT
20/10	DUCT SECTION - SUPPLY
20/10	DUCT SECTION - RETURN/EXHAUST
Ø"	DUCT SECTION - ROUND DUCT IN INCHES
AX8 FO	DUCT SECTION - FLAT OVAL DUCT IN INCHES
	ACOUSTIC THERMAL LINING
	FLEXIBLE DUCTWORK
FC	FLEXIBLE CONNECTION
	FIRE DAMPER
	SMOKE DAMPER
	COMBINATION FIRE AND SMOKE DAMPER
VD	VOLUME DAMPER
	DAMPER CONTROL, PARALLEL BLADE
	DAMPER CONTROL, OPPOSED BLADE
AAD	AUTOMATIC AIR DAMPER
BDD	BACK DRAFT DAMPER
BG	BLAST GATE
20/10 / 12X10 / 10/20	AIR DUCT (FIRST FIGURE IS DUCT WIDTH/TOP, SECOND FIGURE IS DUCT DEPTH)
	MULTI-BLADE AIR EXTRACTOR
	TURNING VANES
	EXISTING WORK TO BE REMOVED (HATCHED)
P	POINT OF CONNECTION
E	POINT OF DISCONNECTION
	AIR FLOW SENSOR
	FILTER
	TRANSITION SQUARE TO ROUND
	HUMIDIFIER DISPERSION TUBE
RISE / E	RISE IN DUCT
DROP / D	DROP IN DUCT
	SQUARE CEILING DIFFUSER (4 WAY)
	ROUND CEILING DIFFUSER
	SQUARE OR RECTANGULAR CEILING GRILLE
	SUPPLY REGISTER, RETURN OR EXHAUST GRILLE
1-WAY 2-WAY 3-WAY	SUPPLY DIFFUSER, 1-WAY, 2-WAY, 3-WAY
8"ø, D-3, 300 CFM	CEILING DIFFUSER WITH NECK SIZE, TYPE, & CFM
10"x10", G-3, 300 CFM	CEILING RETURN OR EXHAUST GRILLE WITH SIZE, TYPE, & CFM
10"x8", R-2, 300 CFM	SUPPLY REGISTER WITH SIZE, TYPE, & CFM
10"x8", G-2, 300 CFM	RETURN OR EXHAUST GRILLE WITH SIZE, TYPE, & CFM
	AIR FLOW
L1	ACOUSTIC/THERMAL DUCTWORK LINING - 1 INCH THICK
L2	ACOUSTIC/THERMAL DUCTWORK LINING - 2 INCH THICK
PL1	ACOUSTIC/THERMAL DUCTWORK PLENUM LINING - 1 INCH THICK
PL2	ACOUSTIC/THERMAL DUCTWORK PLENUM LINING - 2 INCH THICK

SYMBOL	DESCRIPTION
	SUPPLY / RETURN / EXHAUST AIR TAKEOFFS
	SUPPLY / RETURN / EXHAUST AIR TAKEOFFS
	SUPPLY AIR TAKEOFFS
	SUPPLY AIR TAKEOFFS
	SUPPLY AIR TAKEOFFS
	SUPPLY/RETURN EXHAUST AIR TAKEOFFS W/ REGISTER/GRILLE/ DIFFUSER
	SUPPLY/RETURN EXHAUST AIR END OF MAIN BRANCH TAKEOFFS
	SUPPLY/RETURN EXHAUST AIR END OF MAIN BRANCH TAKEOFFS
	LONG RADIUS 90° ELBOW R/W=1.5
	LONG RADIUS 45° ELBOW R/W=1.5
	90° ELBOW WITH TURNING VANES
	90 VERTICAL SPLIT OFF (PLAN VIEW)
	DUCT TURNING UP OR DOWN
MAX MIN	AIR TERMINAL UNIT-DUCTWORK U - UNIT TYPE MAX = MAXIMUM CFM MIN = MINIMUM CFM
GPM MAX	AIR TERMINAL UNIT-DUCTWORK U - UNIT TYPE GPM = GALLONS PER MIN MAX = MAXIMUM GPM
MAX MIN FAN	FAN POWERED AIR TERMINAL UNIT U - UNIT TYPE MAX = PRIMARY MAX CFM MIN = PRIMARY MIN CFM FAN = FAN CFM
TYPE / COIL SIZE / CLNG GPM / HTNG GPM	TYPE = VALANCE TYPE COIL SIZE = COIL LENGTH CLNG GPM = COOLING GPM HTNG GPM = HEATING GPM
X / XX	X = DIFFUSER OR GRILL TYPE XX = AIR FLOW VALUE (CFM)

SYMBOL	DESCRIPTION
	ELECTRIC/PNEUMATIC SWITCH OR RELAY
	PNEUMATIC/ELECTRIC SWITCH OR RELAY
CT	CURRENT TRANSDUCER
	OPEN/CLOSED
	START/STOP
	ENABLE/DISABLE
	TEMPERATURE SENSOR (DUCT OR PIPE MOUNTED)
	HUMIDITY SENSOR (DUCT MOUNTED)
	FLOW TRANSMITTER
	PRESSURE TRANSMITTER
	DIFFERENTIAL PRESSURE TRANSMITTER
	ELECTRIC/PNEUMATIC TRANSDUCER
	ELECTRIC/ELECTRONIC TRANSDUCER
	DUCT SMOKE DETECTOR
	SPACE THERMOSTAT
	SPACE TEMPERATURE SENSOR
CO2	SPACE CARBON DIOXIDE SENSOR
CH4	SPACE NATURAL GAS SENSOR
CO	SPACE CARBON MONOXIDE SENSOR
G	SPACE SENSOR WITH GUARD
H	SPACE HUMIDISTAT
FS	WATER FLOW SENSOR
	PNEUMATIC ACTUATOR
	ELECTRIC ACTUATOR
VSD VFD	VARIABLE SPEED / FREQUENCY DRIVE
	COOLING COIL
	HEATING COIL
	GAS FURNACE
H	HUMIDIFIER
A	ALARM
S	STATUS
FS	FLOW SWITCH
ΔP	DIFFERENTIAL STATIC PRESSURE SWITCH
R	RELAY
	PRESSURE GAUGE
FZ	FREEZE-STAT
DI	DIGITAL INPUT (TO BUILDING MANAGEMENT SYSTEM)
DO	DIGITAL OUTPUT (FROM BUILDING MANAGEMENT SYSTEM)
AO	ANALOG OUTPUT (FROM BUILDING MANAGEMENT SYSTEM)
AI	ANALOG INPUT (TO BUILDING MANAGEMENT SYSTEM)
	ELECTRICAL INTERFACE
SF	SPEED FEED BACK
ES	END SWITCH
PT	POSITION FEEDBACK
	TRAVERSE AVERAGING SENSOR
	PROBE SENSOR
	FREEZE STAT SENSOR

SYMBOLS GENERAL NOTES:

1) VALVE AND DAMPER ACTUATOR TYPES (ELECTRIC OR PNEUMATIC) WHICH ARE INDICATED IN HVAC TEMPERATURE CONTROL DRAWINGS SHALL SUPERSEDE TYPE INDICATED ON ALL OTHER HVAC DRAWINGS.

HVAC CONTRACTOR GENERAL NOTES:

A. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS WITHIN THE BUILDING PRIOR TO COMMENCEMENT OF ALL DEMOLITION AND NEW WORK.

B. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REMOVE AND REPLACE EXISTING CEILINGS, UNLESS OTHERWISE NOTED ON THE ARCHITECTURAL DRAWINGS, FOR PERFORMING DEMOLITION OR NEW WORK WITHIN THE BUILDING. THE EXISTING CEILINGS SHALL BE REMOVED IN A MANNER TO AVOID DAMAGE TO THE CEILING SYSTEMS. STORAGE OF CEILING SYSTEM COMPONENTS FOR REINSTALLATION IS THE RESPONSIBILITY OF THE CONTRACTOR. THE STORAGE OF ALL MATERIAL SHALL BE IN AREAS OR LOCATIONS APPROVED BY THE OWNER. THE OWNER WILL NOT COMPENSATE FOR ANY DAMAGED OR LOST MATERIAL WHILE IN STORAGE. AFTER COMPLETION OF ALL DEMOLITION OR NEW WORK, THE CONTRACTOR SHALL REINSTALL THE CEILING SYSTEMS TO MATCH THE ORIGINAL INSTALLATION.

C. DEMOLITION DRAWINGS SHOW MAJOR EQUIPMENT, PIPING, AND DUCTWORK REMOVALS. THE INTENT IS NOT TO IDENTIFY ALL MISCELLANEOUS PIPING, PIPING ACCESSORIES, DUCTWORK, DUCTWORK ACCESSORIES, SUPPORTS, CONTROLS, CONTROL ACCESSORIES, CONTROL WIRING, CONDUIT, AND PNEUMATIC CONTROL TUBING TO BE DISCONNECTED AND REMOVED, BUT IS THE REQUIREMENT UNDER THIS CONTRACT. NO EQUIPMENT, PIPING, OR DUCTWORK SHALL BE ABANDONED IN PLACE, UNLESS OTHERWISE NOTED ON THE DRAWINGS.

D. ALL EQUIPMENT INDICATED TO BE TURNED OVER TO THE OWNER SHALL BE DISCONNECTED AND REMOVED FROM THE EXISTING SYSTEMS AND DELIVERED (INCLUDING LOADING AND UNLOADING) TO A STORAGE AREA WITHIN THE BUILDING AS SELECTED BY THE OWNER. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR ANY EQUIPMENT DAMAGED DURING REMOVAL AND DELIVERY. ANY DAMAGE TO EQUIPMENT PRIOR TO DISCONNECTING SHOULD BE REPORTED TO THE OWNER'S REPRESENTATIVE. IF NOT REPORTED, THE CONTRACTOR TAKES FULL RESPONSIBILITY FOR REPAIRS TO THE EQUIPMENT.

E. BEFORE DISCONNECTING, REMOVING, OR SERVICING ANY AIR CONDITIONING EQUIPMENT OR SYSTEMS CONTAINING REFRIGERANTS, THE EQUIPMENT OR SYSTEMS SHALL BE EVACUATED OF ALL REFRIGERANT PER THE LATEST ADOPTED RULES AND REGULATIONS BY THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY (EPA). THE CONTRACTOR OR TECHNICIAN PERFORMING THE WORK SHALL BE CERTIFIED BY AN EPA APPROVED CERTIFYING AGENCY OR ORGANIZATION.

F. ALL DUCTWORK, PIPING, AND CONDUIT PENETRATIONS THROUGH RATED WALLS OR FLOORS SHALL BE PROVIDED WITH FIRE/SMOKE STOPPINGS PER SPECIFICATION. REFER TO CODE ANALYSIS DRAWING FOR ALL RATED WALL LOCATIONS. ALL FLOORS SHALL BE CONSIDERED RATED.

G. UNLESS SHOWN ON THE ARCHITECTURAL DRAWINGS, IT IS THE RESPONSIBILITY OF THIS CONTRACT TO PATCH AND FINISH ALL EXISTING DUCTWORK OR PIPE PENETRATIONS THROUGH FLOORS, ROOFS, INTERIOR WALLS, AND EXTERIOR WALLS AFTER DEMOLITION WORK. IN ADDITION, ALL NEW PENETRATIONS SHALL BE PROVIDED FOR INSTALLATION OF MECHANICAL SYSTEMS INCLUDING, BUT NOT LIMITED TO, EQUIPMENT, CURBING, DUCTWORK, PIPING, CONTROLS, ETC. PATCHING AND FINISHING SHALL MATCH EXISTING CONSTRUCTION INCLUDING FIRE RATINGS. PROVIDE LINTELS PER LINTEL SCHEDULE.

H. IT IS NOT THE INTENT OF THE DRAWINGS TO SHOW ALL AIR VENTS AND DRAINS IN THE PIPING SYSTEMS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE AIR VENTS AT ALL SYSTEM HIGH POINTS AND AT AREAS WITHIN THE PIPING SYSTEMS THAT COULD ACCUMULATE OR TRAP AIR WHICH WOULD PREVENT PROPER VENTING OR OPERATION OF THE SYSTEMS. DRAINS SHALL BE PROVIDED AT ALL LOW POINTS WITHIN THE PIPING SYSTEM TO FACILITATE COMPLETE DRAINING OF THE SYSTEM .

I. PROVIDE THERMAL EXPANSION COMPENSATORS AND THERMAL EXPANSION LOOPS IN PIPING SYSTEM PER INDUSTRY STANDARDS.

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PROJECT INFORMATION
Project Number
13940.20
Client Name
NEWBURGH ENLARGED CITY SCHOOL DISTRICT
Project Name
PHASE 5: 2019 CAPITAL IMPROVEMENTS PROJECT
SED # 44-16-00-01-0-018-009
Project Address
400 Old Forge Hill Rd, New Windsor, NY 12553

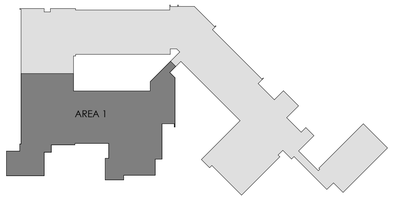
REVISION SCHEDULE
#	Date	Description

STATE OF NEW YORK — DANIEL J. HEIT — 090 — LICENSED PROFESSIONAL ENGINEER

SHEET INFORMATION
Issued
03/05/21
BID SUBMISSION
Drawn By: ACS
Checked By: EM
Drawing Title
HVAC SYMBOLS LEGEND AND CONTRACTOR NOTES

VG
H000

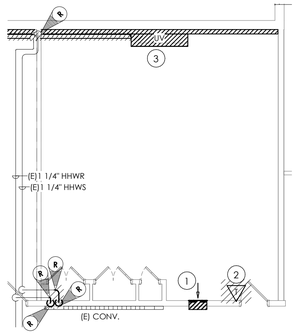
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TRUE NORTH

KEYPLAN - AREA 1

1" = 100'-0"



2 H101.1 HVAC DEMOLITION PLAN - AREA C ALTERNATE

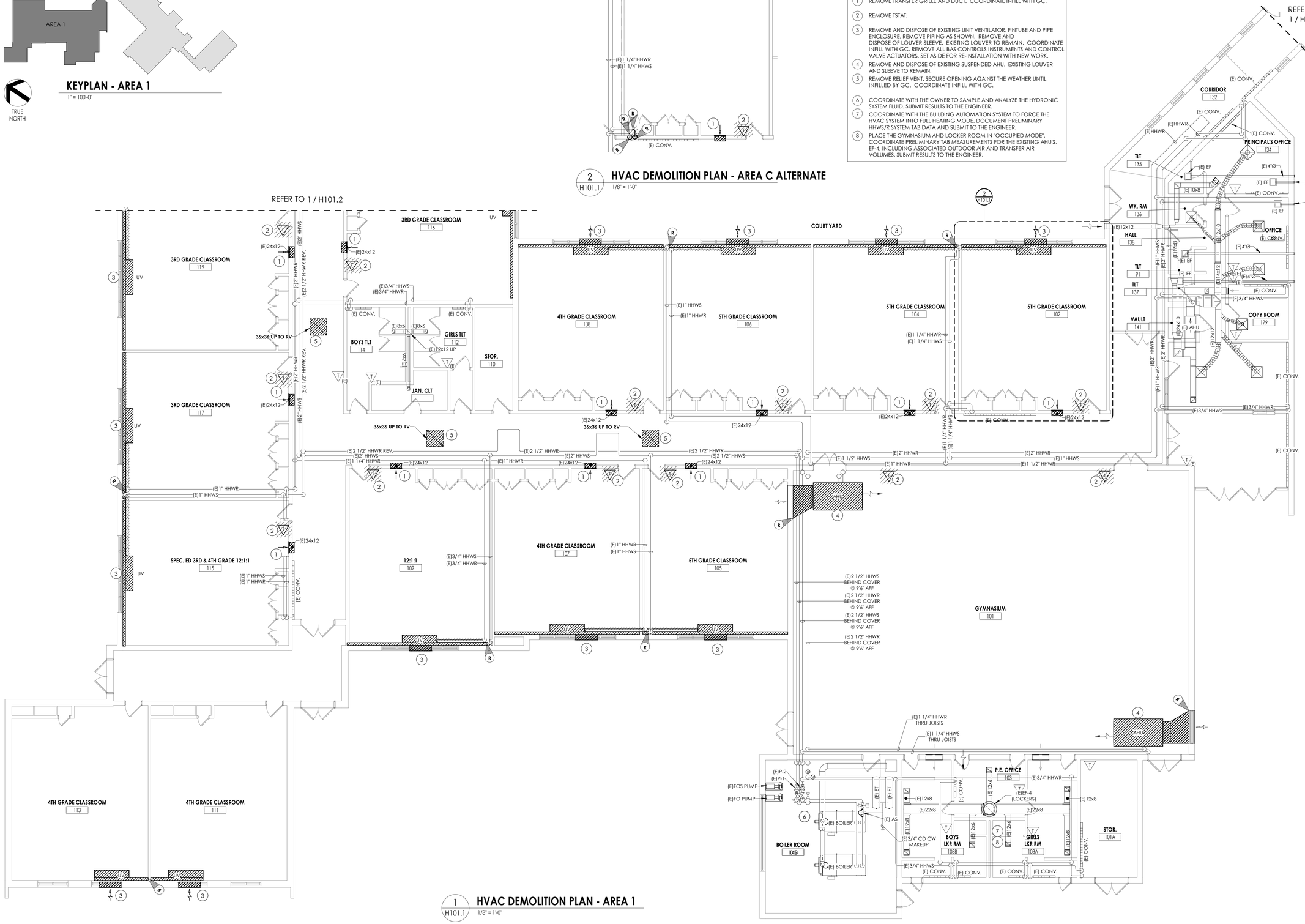
1/8" = 1'-0"

GENERAL NOTES

1. REFER TO H000 FOR GENERAL NOTES.

KEYNOTES

1. REMOVE TRANSFER GRILLE AND DUCT. COORDINATE INFILL WITH GC.
2. REMOVE TSTAT.
3. REMOVE AND DISPOSE OF EXISTING UNIT VENTILATOR, FINTUBE AND PIPE ENCLOSURE. REMOVE PIPING AS SHOWN. REMOVE AND DISPOSE OF LOUVER SLEEVE. EXISTING LOUVER TO REMAIN. COORDINATE INFILL WITH GC. REMOVE ALL BAS CONTROLS INSTRUMENTS AND CONTROL VALVE ACTUATORS, SET ASIDE FOR RE-INSTALLATION WITH NEW WORK.
4. REMOVE AND DISPOSE OF EXISTING SUSPENDED AHU. EXISTING LOUVER AND SLEEVE TO REMAIN.
5. REMOVE RELIEF VENT. SECURE OPENING AGAINST THE WEATHER UNTIL INFILLED BY GC. COORDINATE INFILL WITH GC.
6. COORDINATE WITH THE OWNER TO SAMPLE AND ANALYZE THE HYDRONIC SYSTEM FLUID. SUBMIT RESULTS TO THE ENGINEER.
7. COORDINATE WITH THE BUILDING AUTOMATION SYSTEM TO FORCE THE HVAC SYSTEM INTO FULL HEATING MODE. DOCUMENT PRELIMINARY HHWS/R SYSTEM TAB DATA AND SUBMIT TO THE ENGINEER.
8. PLACE THE GYMNASIUM AND LOCKER ROOM IN "OCCUPIED MODE". COORDINATE PRELIMINARY TAB MEASUREMENTS FOR THE EXISTING AHU'S, EF-4, INCLUDING ASSOCIATED OUTDOOR AIR AND TRANSFER AIR VOLUMES. SUBMIT RESULTS TO THE ENGINEER.



1 H101.1 HVAC DEMOLITION PLAN - AREA 1

1/8" = 1'-0"

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REVISION SCHEDULE

#	Date	Description

STATE OF NEW YORK — LICENSED PROFESSIONAL ENGINEER

SHEET INFORMATION

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03/05/21
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Drawn By: ACS
Checked By: EM

Drawing Title
GROUND FLOOR PLAN AREA 1
DEMOLITION PLAN

VG
H101.1

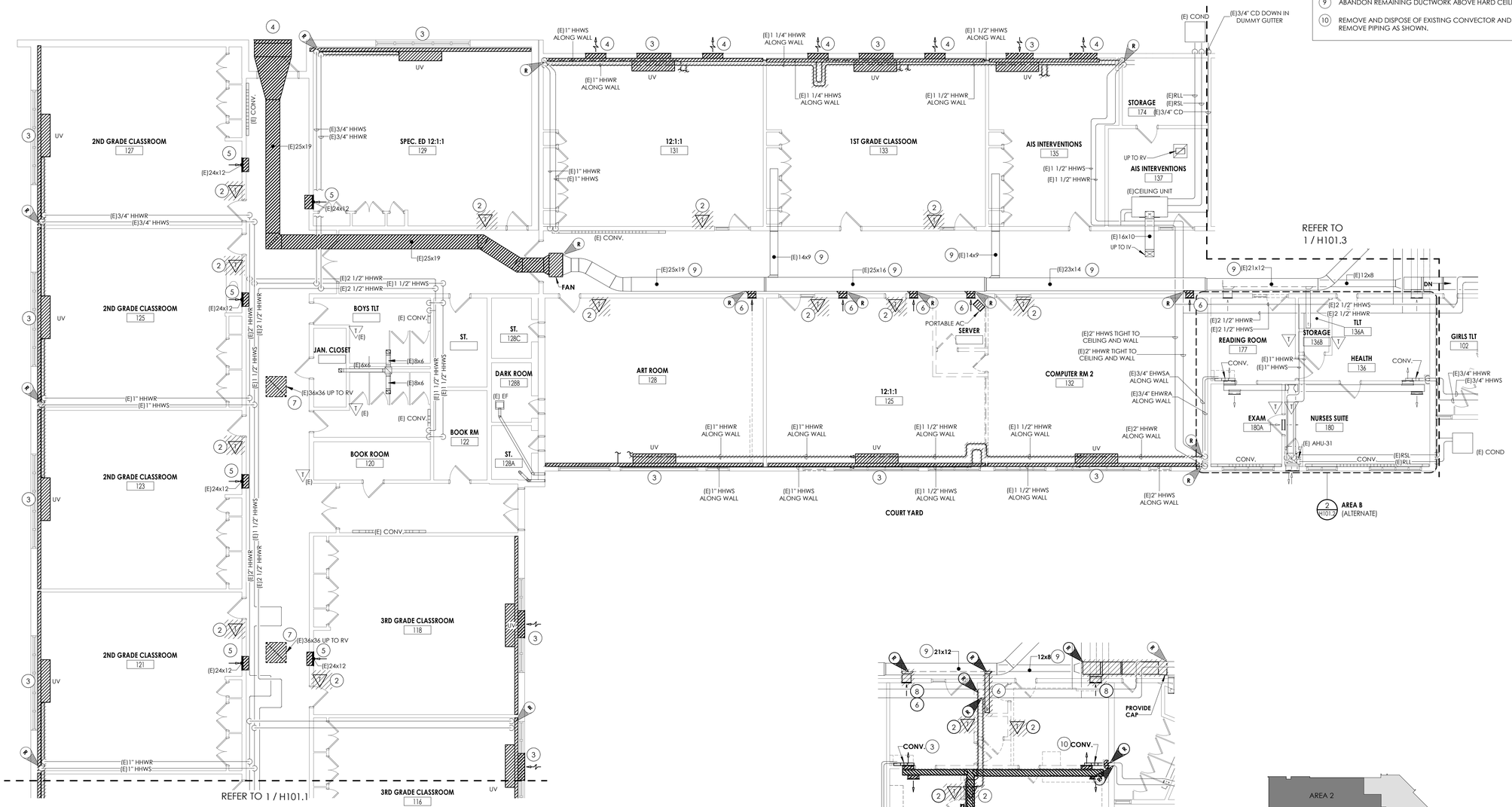
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GENERAL NOTES

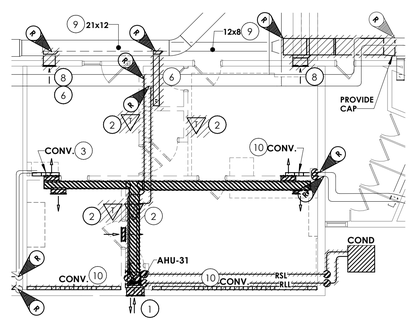
1. REFER TO H000 FOR GENERAL NOTES.

KEYNOTES

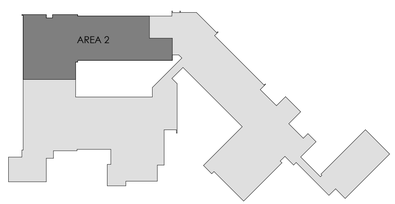
1. REMOVE AND DISPOSE OF EXISTING AHU. REMOVE AND DISPOSE OF LOUVER SLEEVE. EXISTING LOUVER TO REMAIN.
2. REMOVE TSTAT.
3. REMOVE AND DISPOSE OF EXISTING UNIT VENTILATOR, FINTUBE AND PIPE ENCLOSURE. REMOVE PIPING AS SHOWN. REMOVE AND DISPOSE OF LOUVER SLEEVE. EXISTING LOUVER TO REMAIN. COORDINATE INFILL WITH GC. REMOVE ALL BAS CONTROLS INSTRUMENTS AND CONTROL VALVE ACTUATORS. SET ASIDE FOR RE-INSTALLATION WITH NEW WORK.
4. REMOVE AND DISPOSE OF EXISTING ACTUATOR AND DAMPER. REMOVE AND DISPOSE OF LOUVER SLEEVE. EXISTING LOUVER TO REMAIN. COORDINATE INFILL WITH GC.
5. REMOVE TRANSFER GRILLE AND DUCT. COORDINATE INFILL WITH GC.
6. REMOVE GRILLE. REMOVE DUCTWORK FOR WALL INFILL. ABANDON REMAINING DUCTWORK ABOVE HARD CEILING COORDINATE INFILL WITH GC.
7. REMOVE RELIEF VENT. SECURE OPENING AGAINST THE WEATHER UNTIL INFILLED BY GC. COORDINATE INFILL WITH GC.
8. REMOVE TRANSFER GRILLE AND DUCT. COORDINATE INFILL WITH GC.
9. ABANDON REMAINING DUCTWORK ABOVE HARD CEILING.
10. REMOVE AND DISPOSE OF EXISTING CONVECTOR AND PIPE ENCLOSURE. REMOVE PIPING AS SHOWN.



1 H101.2 **HVAC DEMOLITION PLAN - AREA 2**
1/8" = 1'-0"



2 H101.2 **HVAC DEMOLITION PLAN - AREA B ALTERNATE**
1/8" = 1'-0"



TRUE NORTH

KEYPLAN - AREA 2
1" = 100'-0"

2 H101.2 **AREA B** (ALTERNATE)

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NEWBURGH ENLARGED CITY SCHOOL DISTRICT
Project Name
PHASE 5: 2019 CAPITAL IMPROVEMENTS PROJECT
SED # 44-16-00-01-0-018-009
Project Address
400 Old Forge Hill Rd, New Windsor, NY 12553

REVISION SCHEDULE

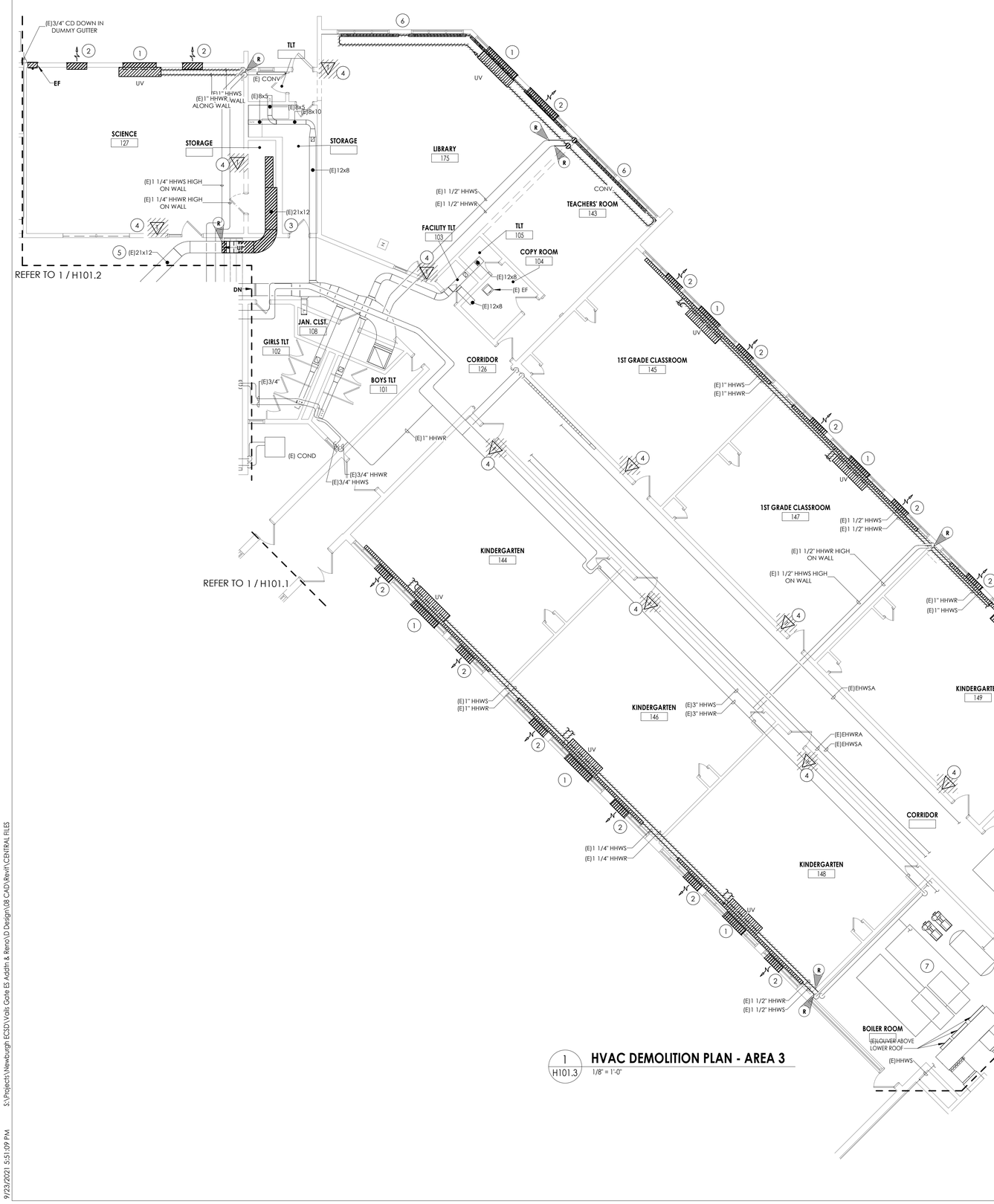
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STATE OF NEW YORK — LICENSED PROFESSIONAL ENGINEER

SHEET INFORMATION
Issued
03/05/21
BID SUBMISSION
Drawn By: ACS
Checked By: EM
Drawing Title
GROUND FLOOR PLAN AREA 2 DEMOLITION PLAN

VG
H101.2

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1 H101.3 **HVAC DEMOLITION PLAN - AREA 3**
1/8" = 1'-0"

KEYPLAN - AREA 3
1" = 100'-0"

GENERAL NOTES

1. REFER TO H000 FOR GENERAL NOTES.

KEYNOTES

1. REMOVE AND DISPOSE OF EXISTING UNIT VENTILATOR, FINTUBE AND PIPE ENCLOSURE. REMOVE PIPING AS SHOWN. REMOVE AND DISPOSE OF LOUVER SLEEVE. EXISTING LOUVER TO REMAIN. COORDINATE INFILL WITH GC. REMOVE ALL BAS CONTROLS INSTRUMENTS AND CONTROL VALVE ACTUATORS. SET ASIDE FOR RE-INSTALLATION WITH NEW WORK.
2. REMOVE AND DISPOSE OF EXISTING ACTUATOR AND DAMPER. REMOVE AND DISPOSE OF LOUVER SLEEVE. EXISTING LOUVER TO REMAIN. COORDINATE INFILL WITH GC.
3. REMOVE TRANSFER GRILLE AND DUCT. COORDINATE INFILL WITH GC.
4. REMOVE TSTAT.
5. ABANDON REMAINING DUCTWORK ABOVE HARD CEILING.
6. REMOVE AND DISPOSE OF EXISTING CONVECTOR AND PIPE ENCLOSURE. REMOVE PIPING AS SHOWN.
7. COORDINATE WITH THE OWNER TO SAMPLE AND ANALYZE THE HYDRONIC SYSTEM FLUID. SUBMIT RESULTS TO THE ENGINEER.

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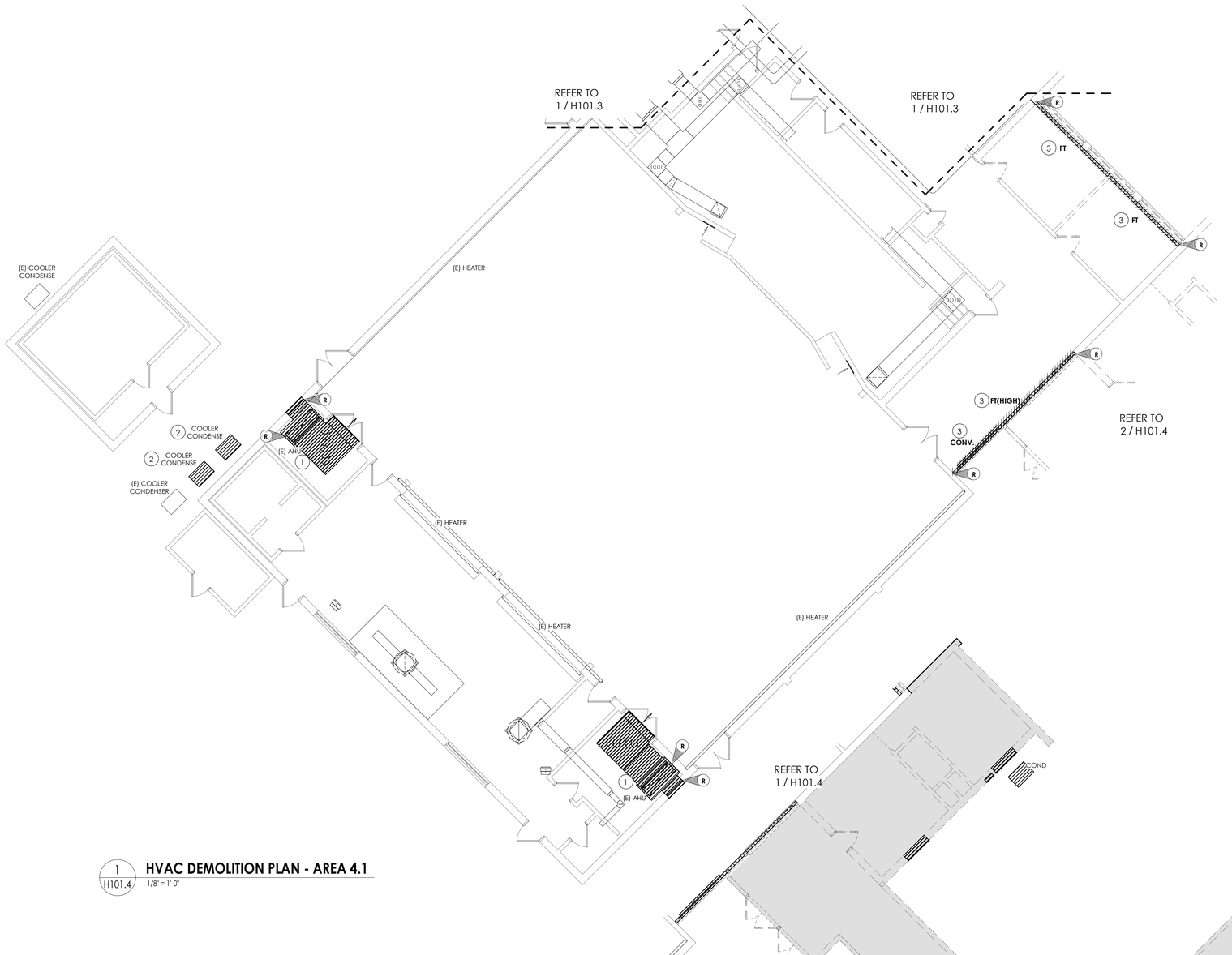
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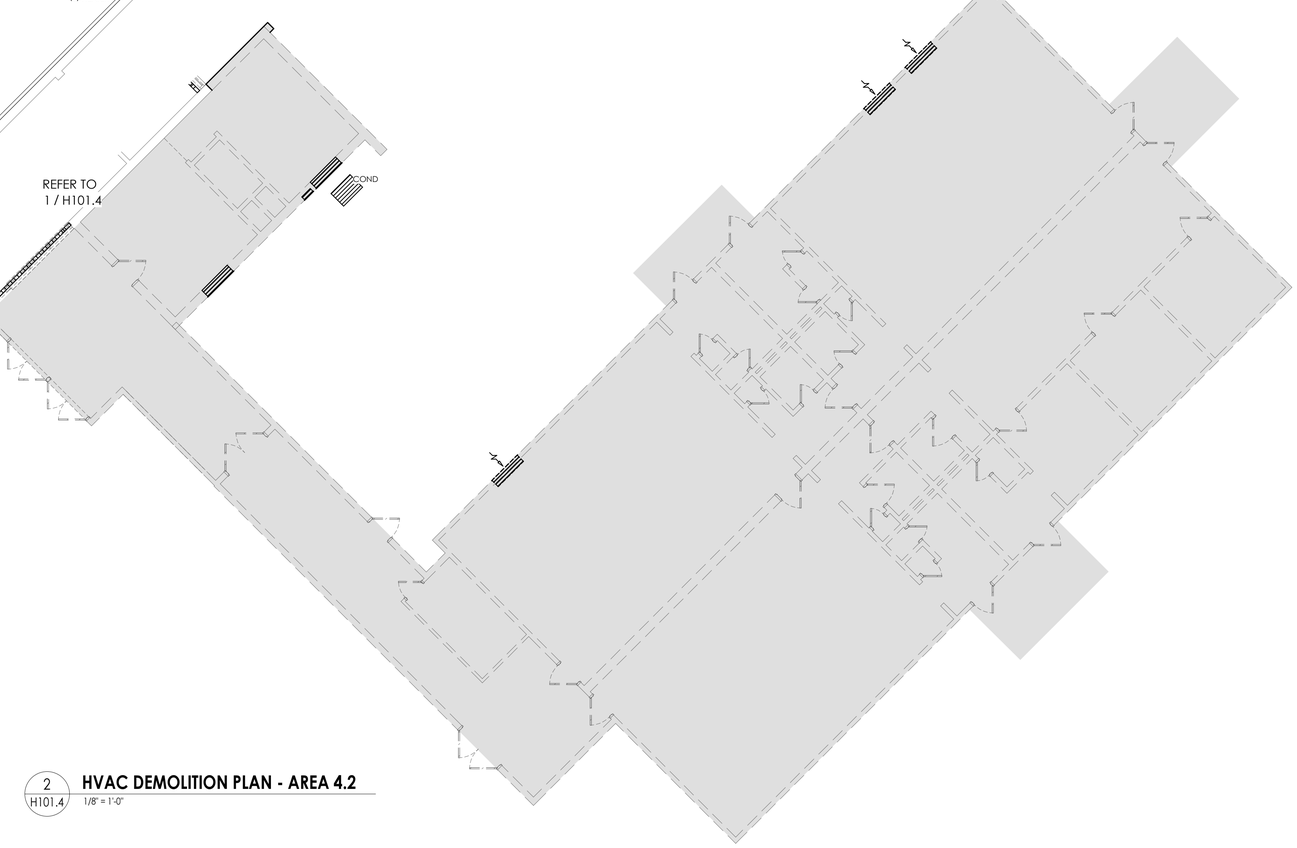
Drawing Title
GROUND FLOOR PLAN AREA 3
DEMOLITION PLAN

VG
H101.3

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1 H101.4 **HVAC DEMOLITION PLAN - AREA 4.1**
1/8" = 1'-0"



2 H101.4 **HVAC DEMOLITION PLAN - AREA 4.2**
1/8" = 1'-0"

GENERAL NOTES

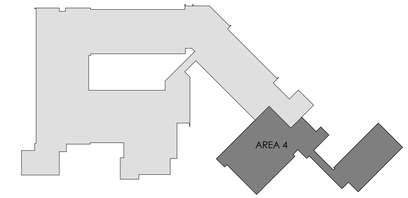
1. REFER TO H000 FOR GENERAL NOTES.

KEYNOTES

1. REMOVE AND DISPOSE OF EXISTING AHU. EXISTING LOUVER AND SLEEVE TO REMAIN.
2. EVACUATE ALL REFRIGERANT LINES PER LOCAL CODES. REMOVE COMPRESSOR, EVAPORATOR, PIPING ETC.
3. REMOVE AND DISPOSE OF EXISTING CONVECTOR AND PIPE ENCLOSURE. REMOVE PIPING AS SHOWN.

AREA OF MASS DEMOLITION

GC TO COMPLETELY REMOVE AND DISPOSE OF ENTIRE AREA INDICATED BY HATCH INCLUDING BUT NOT LIMITED TO: WALLS (EXTERIOR & INTERIOR), FOUNDATIONS, FLOORS, CEILINGS, ROOFS, RESTROOM FIXTURES, DOORS, AND EXTERIOR CONCRETE STAIRS. **(BASE BID)**



KEYPLAN - AREA 4
1" = 100'-0"

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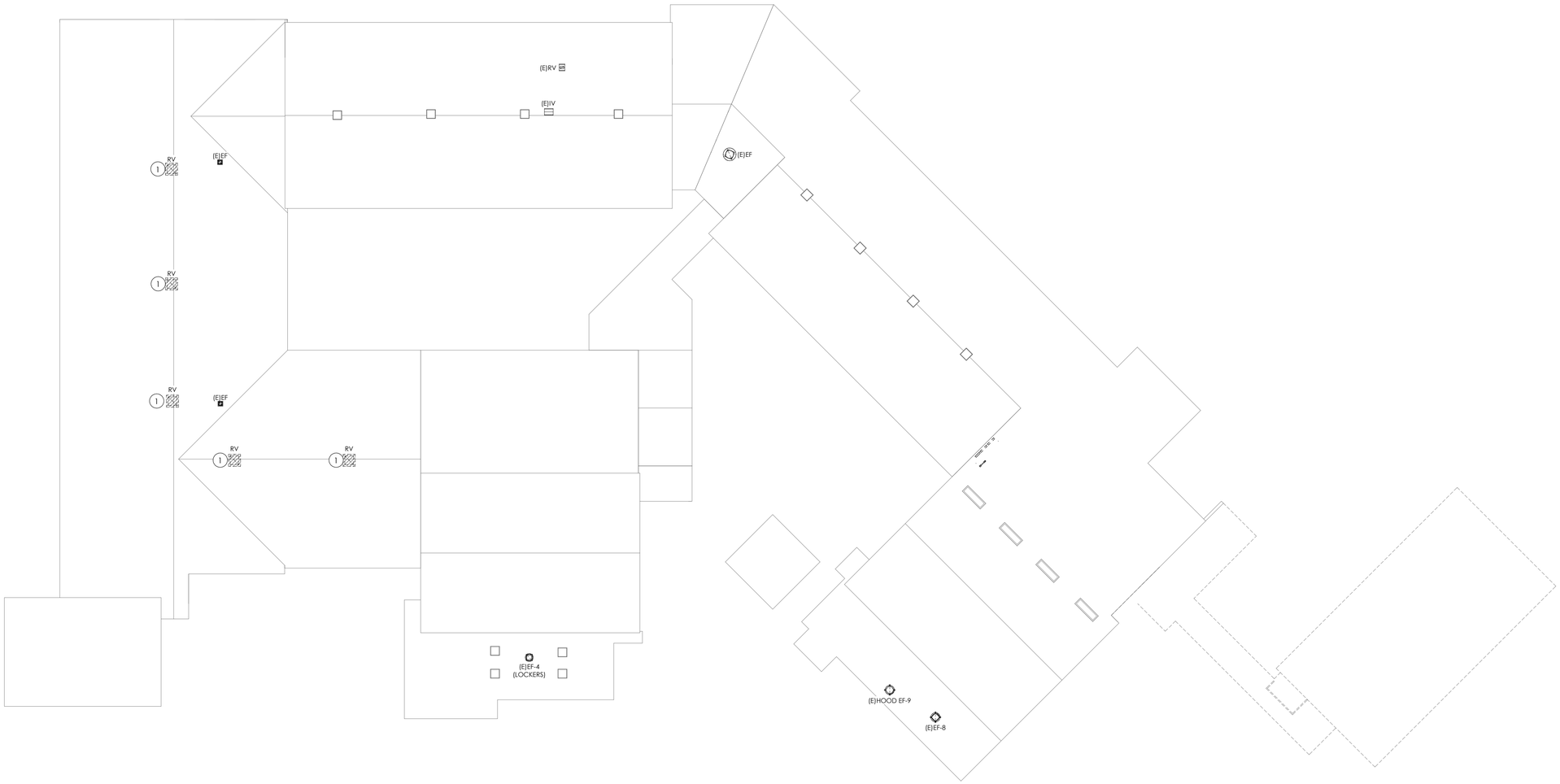
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GROUND FLOOR PLAN AREA 4
DEMOLITION PLAN

VG
H101.4

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KEYNOTES

1. REMOVE RELIEF VENT. SECURE OPENING AGAINST THE WEATHER UNTIL INFILLED BY GC. COORDINATE INFILL WITH GC.



1 / H102 **ROOF MECHANICAL DEMOLITION PLAN**

1" = 20'-0"

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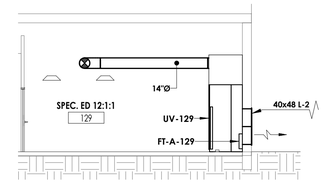
Drawing Title
ROOF DEMOLITION PLAN

VG
H102

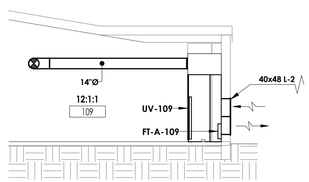
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KEYNOTES

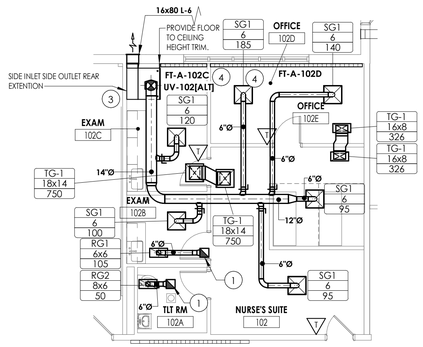
1. 12x12 DUCT UP TO EF (ON ROOF). PROVIDE AUTOMATIC DAMPER AND COORDINATE CONTROLS.
2. 12x12 DUCT UP TO IV (ON ROOF). PROVIDE AUTOMATIC DAMPER AND COORDINATE CONTROLS.
3. PROVIDE UNIT VENTILATOR, LOUVER, WALL SLEEVE WITH SPLITTER PLATE, AND DUCTED AIR DISTRIBUTION SYSTEM. COORDINATE WALL OPENING SIZE WITH GC. COORDINATE AND REINSTALL BAS CONTROLS INSTRUMENTS AND CONTROL VALVE ACTUATORS. TEST ADJUST AND BALANCE.
4. PROVIDE FINTUBE, ENCLOSURE ASSEMBLIES, ACCESSORIES AND MAINTENANCE ACCESS DOOR.
5. PROVIDE CHEMICAL TREATMENT AND REFILL THE HYDRONIC SYSTEM FLUID. COORDINATE WITH THE BUILDING AUTOMATION SYSTEM TO FORCE THE HVAC SYSTEM INTO FULL HEATING MODE. TEST, ADJUST, AND BALANCE THE HYDRONIC HHWS/R SYSTEM.
6. TEST, ADJUST, AND BALANCE THE HVAC AND EXHAUST SYSTEM SERVING THE GYMNASIUM AND LOCKER ROOM.



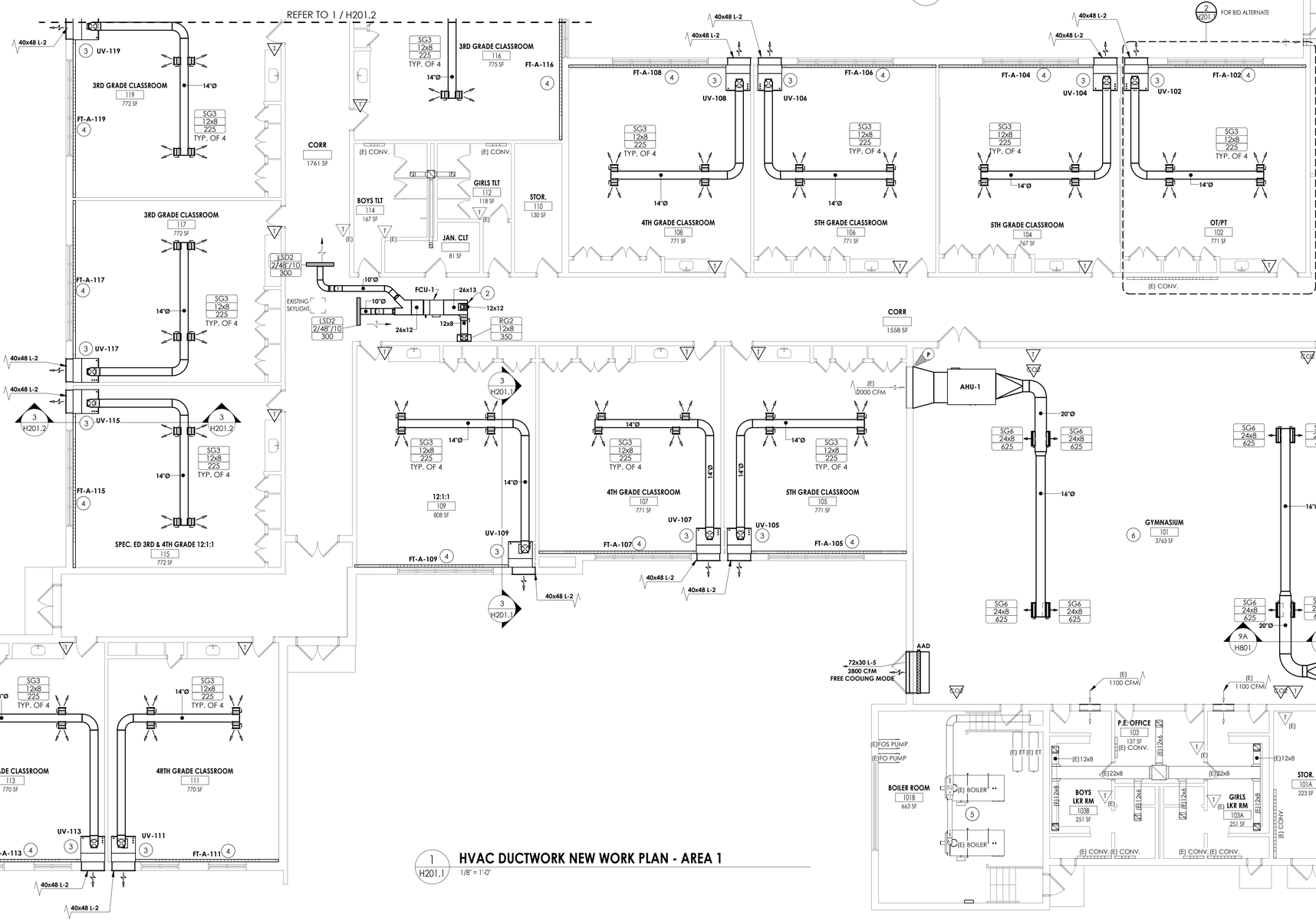
4 H201.1 **SPEC ED 12:1:1 RM 129 DUCT ROUTING**
1/8" = 1'-0"



3 H201.1 **12:1:1 CLASSROOM 109 DUCT ROUTING**
1/8" = 1'-0"



2 H201.1 **NURSE SUITE HVAC DUCTWORK PLAN - ALT AREA C**
1/8" = 1'-0"



1 H201.1 **HVAC DUCTWORK NEW WORK PLAN - AREA 1**
1/8" = 1'-0"

KEYPLAN - AREA 1 - NEW
1" = 100'-0"

TRUE NORTH

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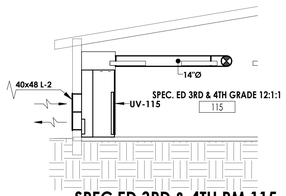
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Drawn By: ACS
Checked By: EM
Drawing Title
GROUND FLOOR PLAN AREA 1 DUCTWORK PLAN

VG
H201.1

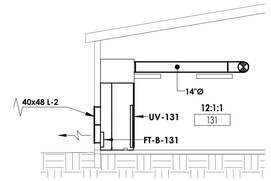
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KEYNOTES

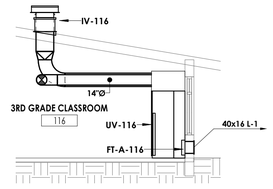
1. 12x12 DUCT UP TO IV (ON ROOF). PROVIDE AUTOMATIC DAMPER AND COORDINATE CONTROLS.
2. 12x12 DUCT UP TO RV (ON ROOF). PROVIDE AUTOMATIC DAMPER AND COORDINATE CONTROLS.
3. 18x24 DUCT UP TO IV (ON ROOF). PROVIDE AUTOMATIC DAMPER AND COORDINATE CONTROLS.
4. PROVIDE A/C SPLIT SYSTEM. MOUNT PER DETAILS AND MANUFACTURERS REQUIREMENTS. PROVIDE CONTROL WIRING AND INTEGRATE WITH BAS.
5. PROVIDE UNIT VENTILATOR, LOUVER, WALL SLEEVE WITH SPLITTER PLATE, AND DUCTED AIR DISTRIBUTION SYSTEM. COORDINATE WALL OPENING SIZE WITH GC. COORDINATE AND REINSTALL BAS CONTROLS INSTRUMENTS AND CONTROL VALVE ACTUATORS. TEST ADJUST AND BALANCE.
6. PROVIDE UNIT VENTILATOR, LOUVER, WALL SLEEVE WITH SPLITTER PLATE, AND DUCTED AIR DISTRIBUTION SYSTEM AND VENTILATION AIR INTAKE DUCTS. COORDINATE WALL AND ROOF OPENING SIZE WITH GC. COORDINATE AND REINSTALL BAS CONTROLS INSTRUMENTS AND CONTROL VALVE ACTUATORS. TEST ADJUST AND BALANCE.
7. PROVIDE FINTUBE, ENCLOSURE ASSEMBLIES, ACCESSORIES AND MAINTENANCE ACCESS DOOR.



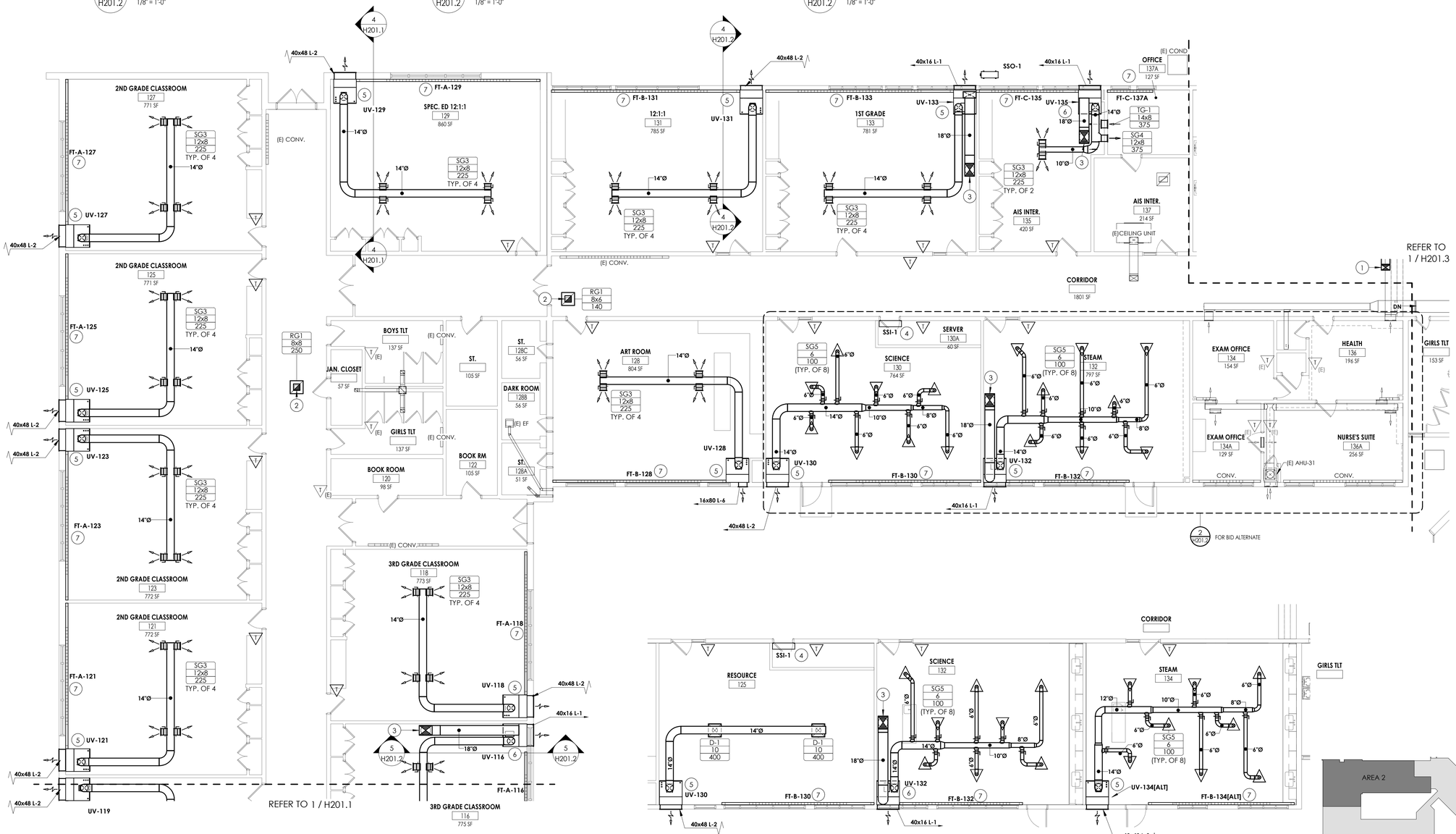
3 H201.2 SPEC ED 3RD & 4TH RM 115 DUCT ROUTING
1/8" = 1'-0"



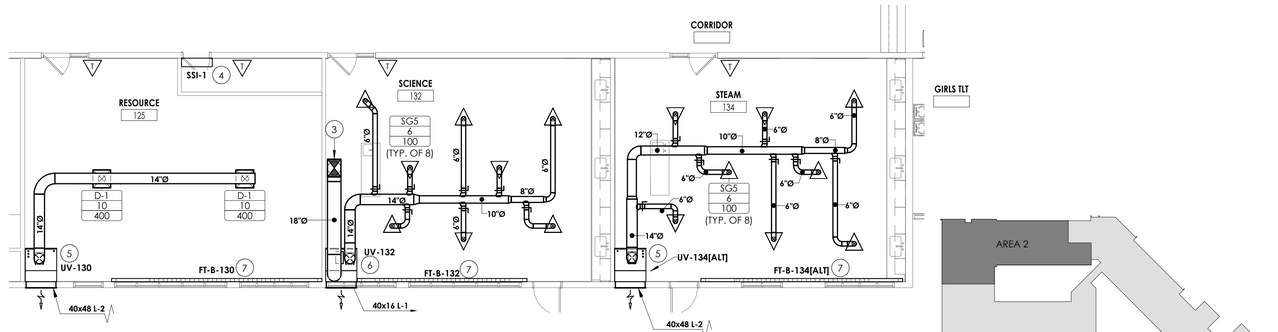
4 H201.2 12:1:1 CLASSROOM 131 DUCT ROUTING
1/8" = 1'-0"



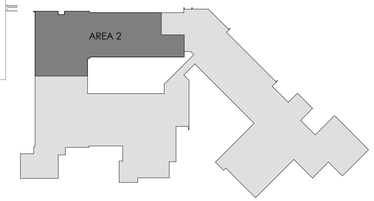
5 H201.2 3RD GRADE CLASSROOM 116 DUCT ROUTING
1/8" = 1'-0"



1 H201.2 HVAC DUCTWORK NEW WORK PLAN - AREA 2
1/8" = 1'-0"



2 H201.2 STEAM HVAC DUCTWORK PLAN - ALT AREA B
1/8" = 1'-0"



TRUE NORTH

KEYPLAN - AREA 2 - NEW
1" = 100'-0"

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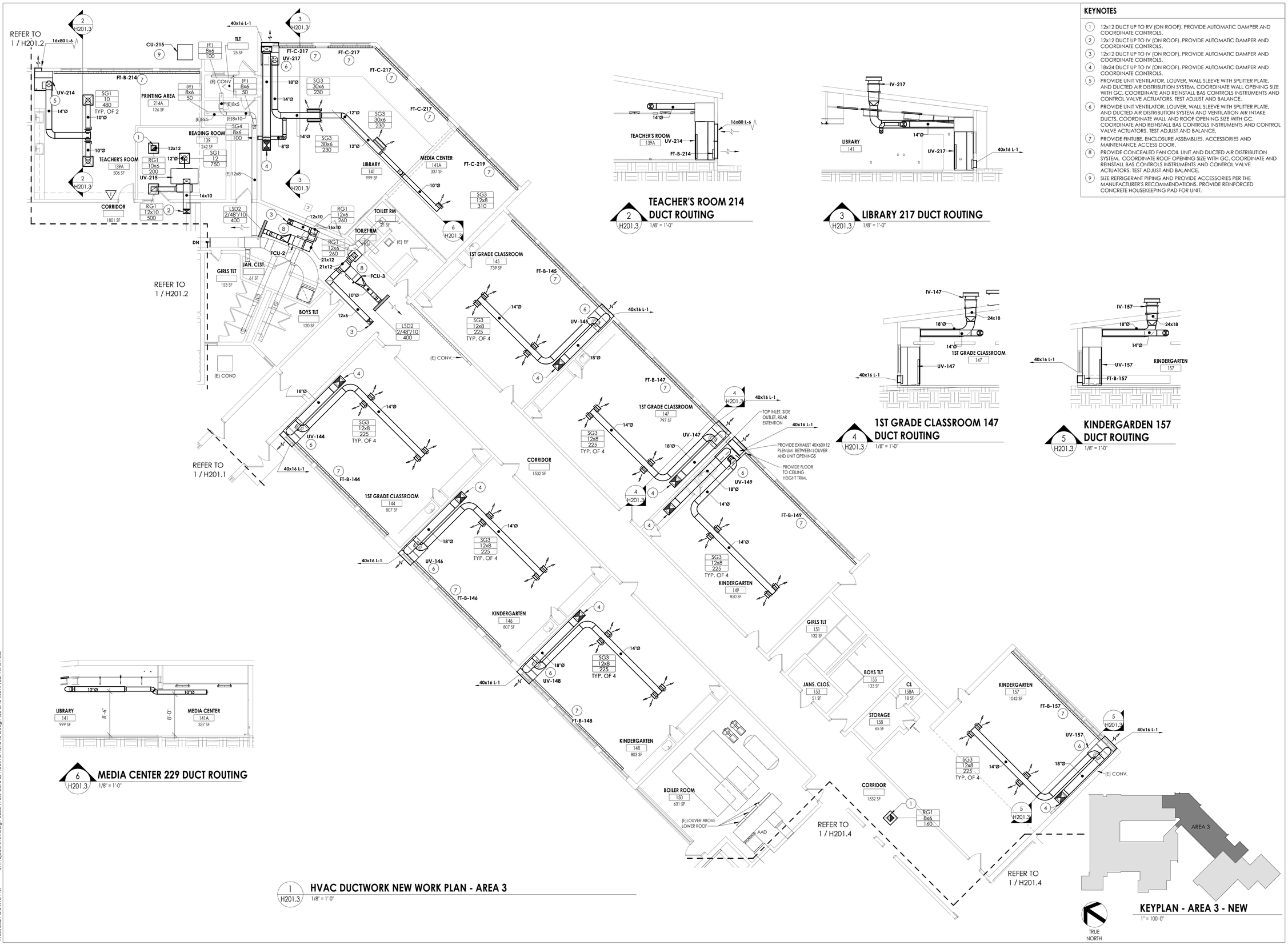
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EM

Drawing Title
GROUND FLOOR PLAN AREA 2
DUCTWORK PLAN

VG
H201.2

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KEYNOTES

1. 12x12 DUCT UP TO RV (ON ROOF). PROVIDE AUTOMATIC DAMPER AND COORDINATE CONTROLS.
2. 12x12 DUCT UP TO IV (ON ROOF). PROVIDE AUTOMATIC DAMPER AND COORDINATE CONTROLS.
3. 12x12 DUCT UP TO IV (ON ROOF). PROVIDE AUTOMATIC DAMPER AND COORDINATE CONTROLS.
4. 18x24 DUCT UP TO IV (ON ROOF). PROVIDE AUTOMATIC DAMPER AND COORDINATE CONTROLS.
5. PROVIDE UNIT VENTILATOR, LOUVER, WALL SLEEVE WITH SPLITTER PLATE, AND DUCTED AIR DISTRIBUTION SYSTEM. COORDINATE WALL OPENING SIZE WITH GC. COORDINATE AND REINSTALL BAS CONTROLS INSTRUMENTS AND CONTROL VALVE ACTUATORS. TEST ADJUST AND BALANCE.
6. PROVIDE UNIT VENTILATOR, LOUVER, WALL SLEEVE WITH SPLITTER PLATE, AND DUCTED AIR DISTRIBUTION SYSTEM AND VENTILATION AIR INTAKE DUCTS. COORDINATE WALL AND ROOF OPENING SIZE WITH GC. COORDINATE AND REINSTALL BAS CONTROLS INSTRUMENTS AND CONTROL VALVE ACTUATORS. TEST ADJUST AND BALANCE.
7. PROVIDE FINTUBE, ENCLOSURE ASSEMBLIES, ACCESSORIES AND MAINTENANCE ACCESS DOOR.
8. PROVIDE CONCEALED FAN COIL UNIT AND DUCTED AIR DISTRIBUTION SYSTEM. COORDINATE ROOF OPENING SIZE WITH GC. COORDINATE AND REINSTALL BAS CONTROLS INSTRUMENTS AND CONTROL VALVE ACTUATORS. TEST ADJUST AND BALANCE.
9. SIZE REFRIGERANT PIPING AND PROVIDE ACCESSORIES PER THE MANUFACTURER'S RECOMMENDATIONS. PROVIDE REINFORCED CONCRETE HOUSEKEEPING PAD FOR UNIT.

2 H201.3 **TEACHER'S ROOM 214 DUCT ROUTING**
1/8" = 1'-0"

3 H201.3 **LIBRARY 217 DUCT ROUTING**
1/8" = 1'-0"

4 H201.3 **1ST GRADE CLASSROOM 147 DUCT ROUTING**
1/8" = 1'-0"

5 H201.3 **KINDERGARDEN 157 DUCT ROUTING**
1/8" = 1'-0"

6 H201.3 **MEDIA CENTER 229 DUCT ROUTING**
1/8" = 1'-0"

1 H201.3 **HVAC DUCTWORK NEW WORK PLAN - AREA 3**
1/8" = 1'-0"

KEYPLAN - AREA 3 - NEW
1" = 100'-0"

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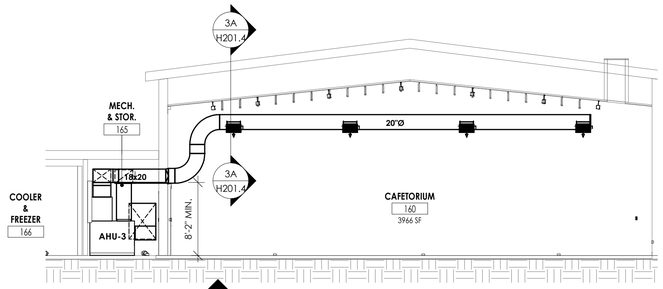
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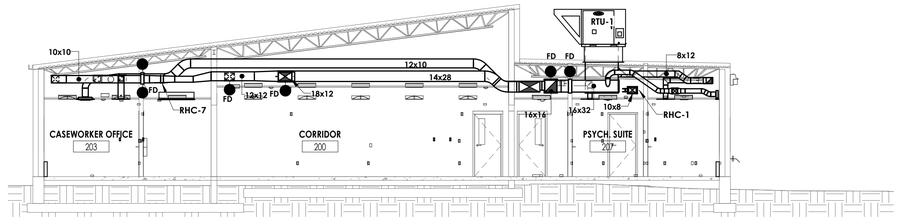
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GROUND FLOOR PLAN AREA 3
DUCTWORK PLAN

VG
H201.3

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3 H201.4 **CAFATORIUM SECTION**
1/8" = 1'-0"

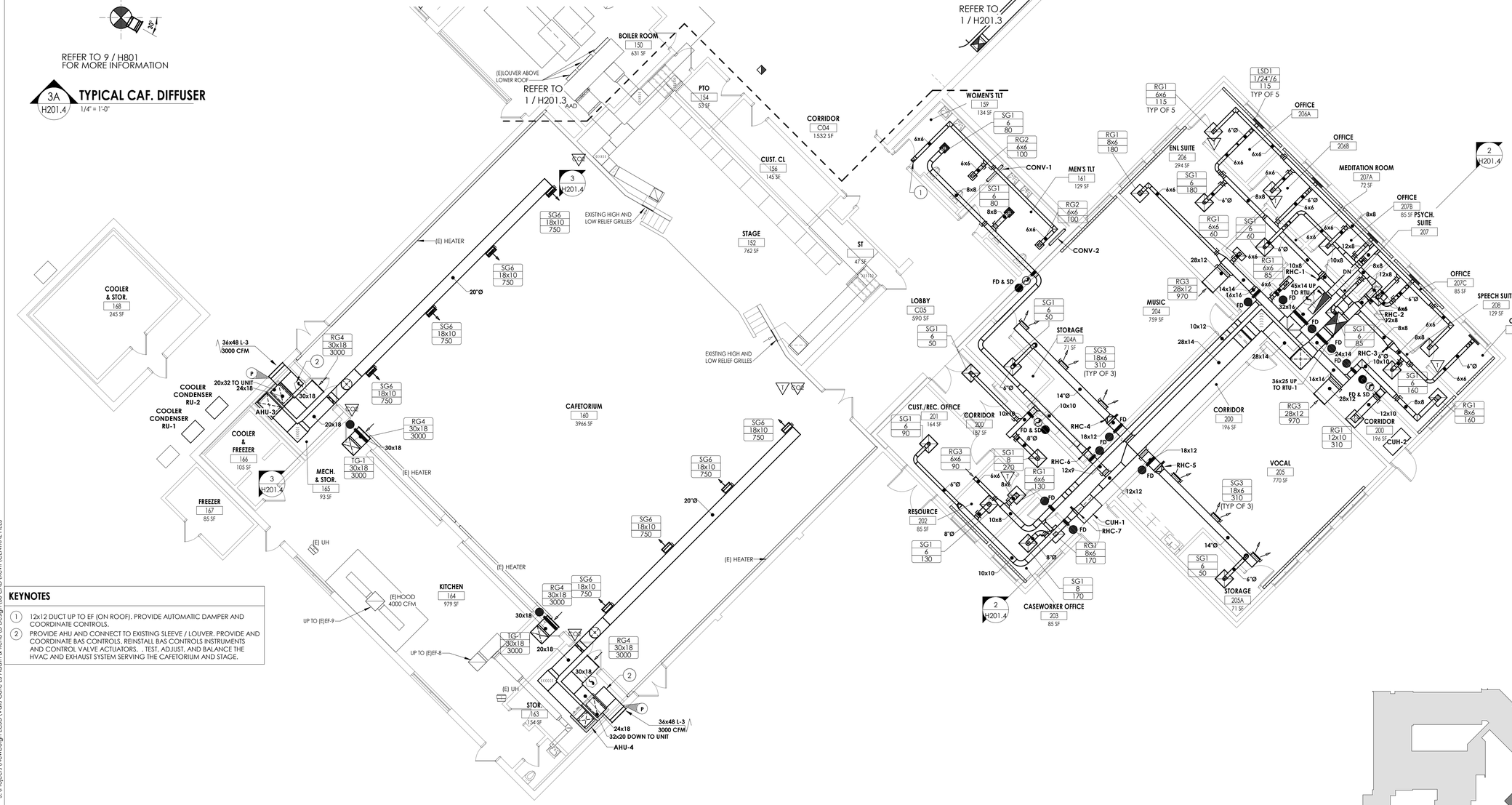


2 H201.4 **MUSIC CORRIDOR DUCT ROUTING**
1/8" = 1'-0"



REFER TO 9 / H801
FOR MORE INFORMATION

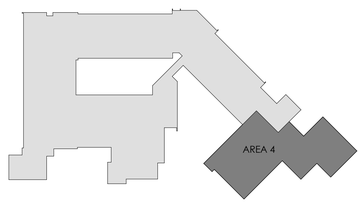
3A H201.4 **TYPICAL CAF. DIFFUSER**
1/4" = 1'-0"



KEYNOTES

1. 12x12 DUCT UP TO EF (ON ROOF). PROVIDE AUTOMATIC DAMPER AND COORDINATE CONTROLS.
2. PROVIDE AHU AND CONNECT TO EXISTING SLEEVE / LOUVER. PROVIDE AND COORDINATE BAS CONTROLS. REINSTALL BAS CONTROLS INSTRUMENTS AND CONTROL VALVE ACTUATORS. . TEST, ADJUST, AND BALANCE THE HVAC AND EXHAUST SYSTEM SERVING THE CAFETORIUM AND STAGE.

1 H201.4 **HVAC DUCTWORK NEW WORK PLAN - AREA 4**
1/8" = 1'-0"



TRUE
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KEYPLAN - AREA 4 - NEW
1" = 100'-0"

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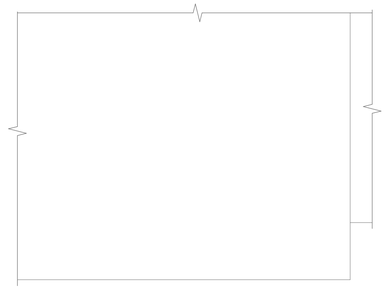
Drawing Title
GROUND FLOOR PLAN AREA 4
DUCTWORK PLAN

VG
H201.4

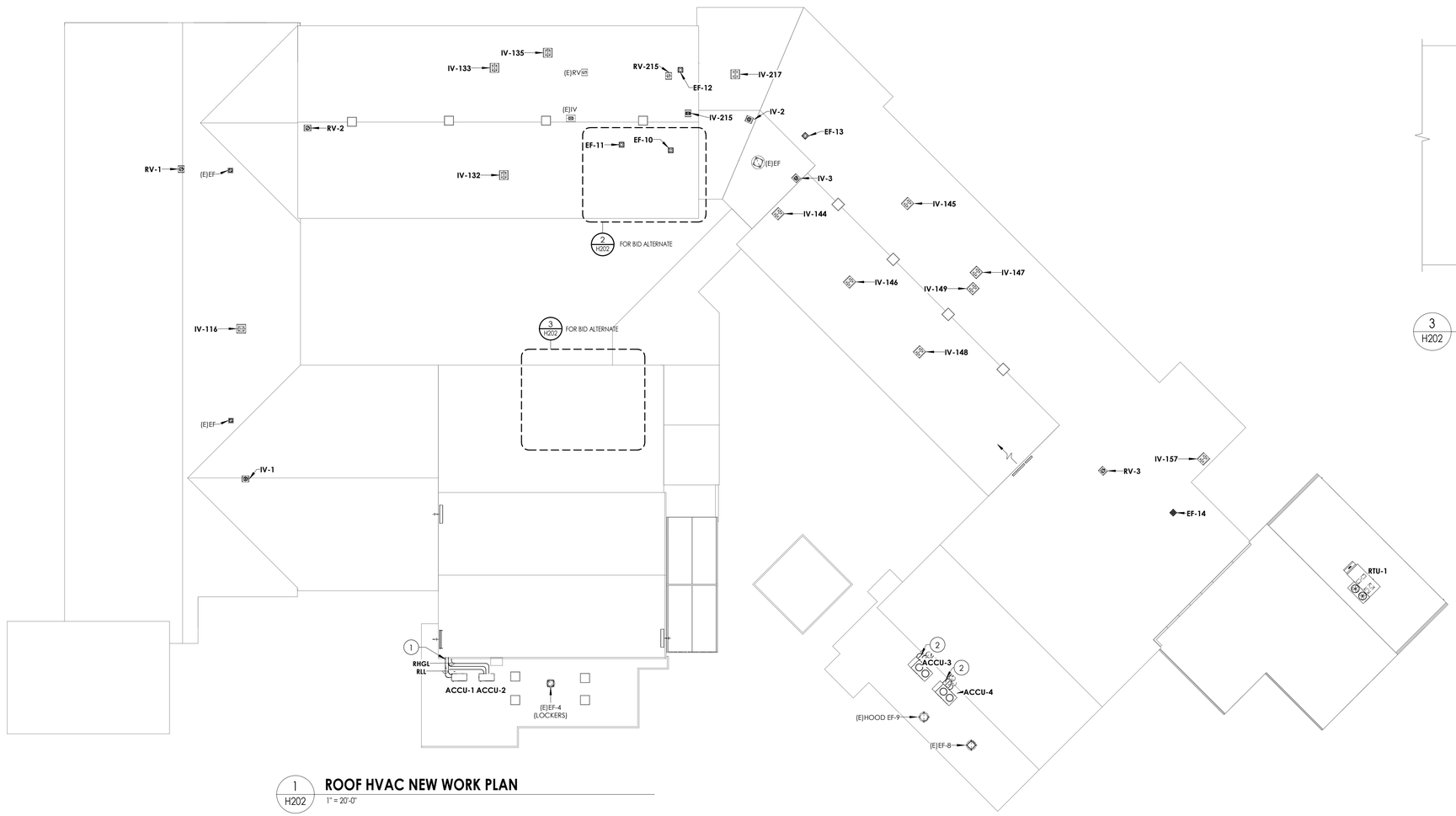
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KEYNOTES

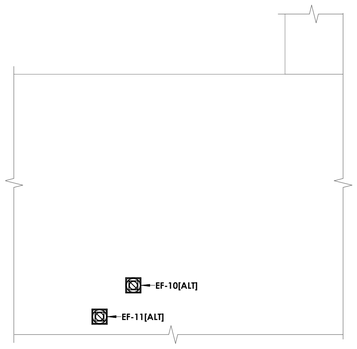
1. PROVIDE REFRIGERANT PIPING AND ACCESSORIES PER THE MANUFACTURER'S RECOMMENDATIONS.
2. PROVIDE PIPING ROOF PORTAL. SIZE REFRIGERANT PIPING AND PROVIDE ACCESSORIES PER MANUFACTURER'S RECOMMENDATIONS. COORDINATE WITH OTHER TRADES.



2 / H202 **STEAM ROOF HVAC NEW WORK ALTERNATE PLAN - AREA B**
1/8" = 1'-0"



1 / H202 **ROOF HVAC NEW WORK PLAN**
1" = 20'-0"



3 / H202 **NURSE SUITE ROOF HVAC NEW WORK ALTERNATE PLAN - AREA C**
1/8" = 1'-0"

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PROJECT INFORMATION

Project Number
13940.20

Client Name
NEWBURGH ENLARGED CITY SCHOOL DISTRICT

Project Name
PHASE 5: 2019 CAPITAL IMPROVEMENTS PROJECT

SED # 44-16-00-01-0-018-009

Project Address
400 Old Forge Hill Rd, New Windsor, NY 12553

REVISION SCHEDULE

#	Date	Description

SHEET INFORMATION

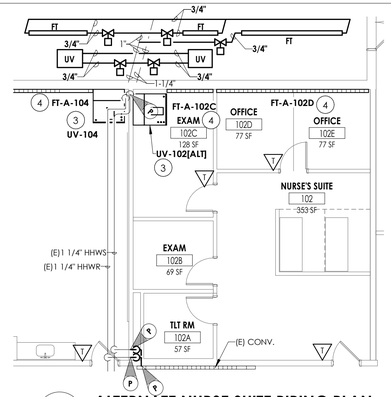
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Drawn By: ACS
Checked By: EM

Drawing Title
ROOF HVAC DUCTWORK AND PIPING PLAN

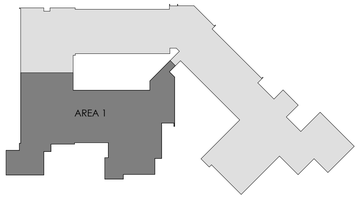
VG
H202

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2 H301.1 **ALTERNATE NURSE SUITE PIPING PLAN**

1/8" = 1'-0"



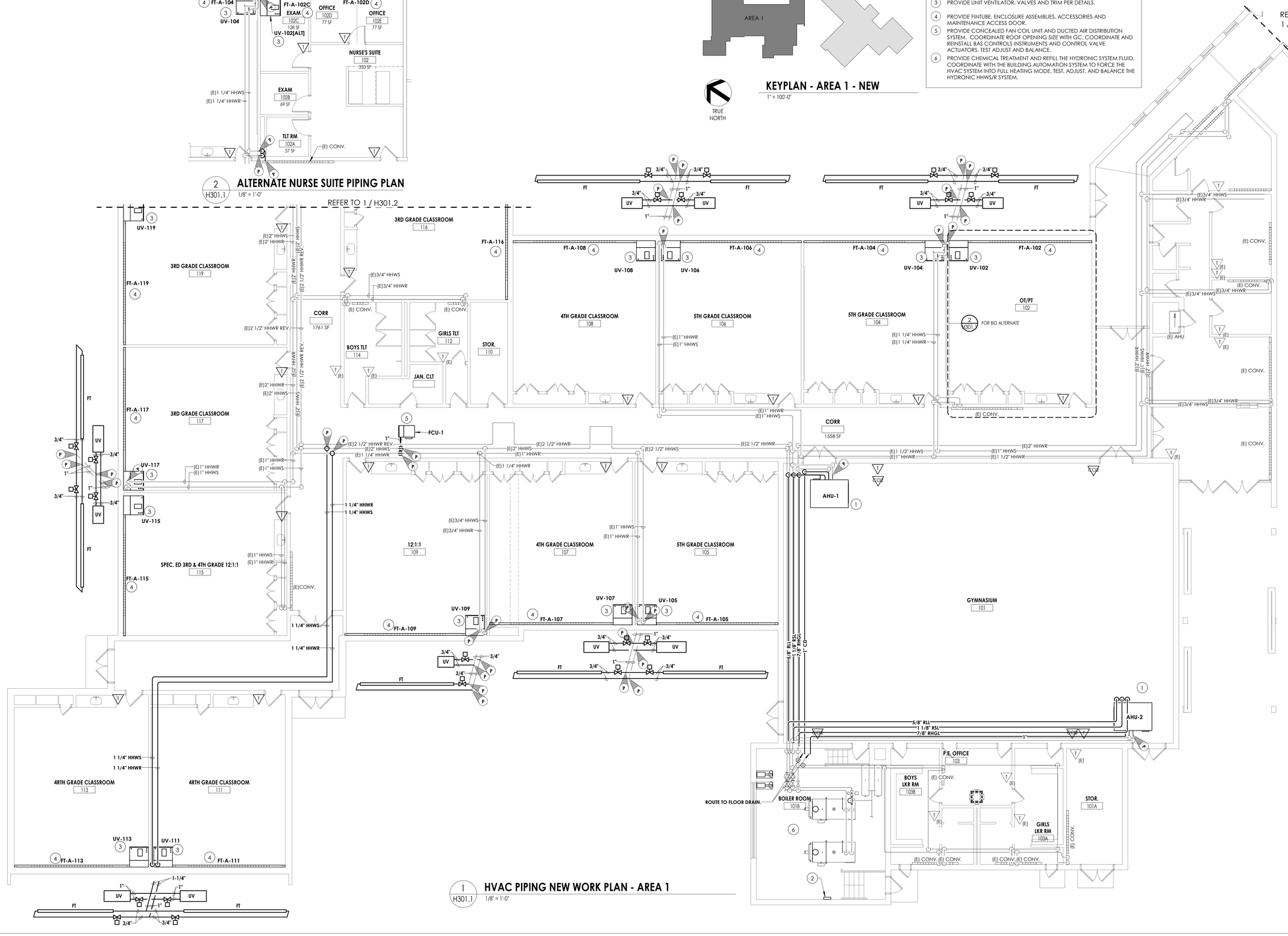
TRUE NORTH

KEYPLAN - AREA 1 - NEW

1" = 100'-0"

KEYNOTES

1. RECONNECT AHU TO EXISTING HHWS/HHWR PIPING. PROVIDE ALL NEW VALVES AS SHOWN ON DETAIL.
2. RELOCATE CONTROL PANEL APPROXIMATELY 2' TOWARDS THE STAIRS TO ALLOW FOR ELECTRICAL EQUIPMENT INSTALLATION. COORDINATE WITH OTHER TRADES.
3. PROVIDE UNIT VENTILATOR, VALVES AND TRIM PER DETAILS.
4. PROVIDE FINTUBE, ENCLOSURE ASSEMBLIES, ACCESSORIES AND MAINTENANCE ACCESS DOOR.
5. PROVIDE CONCEALED FAN COIL UNIT AND DUCTED AIR DISTRIBUTION SYSTEM. COORDINATE ROOF OPENING SIZE WITH GC. COORDINATE AND REINSTALL BAS CONTROLS INSTRUMENTS AND CONTROL VALVE ACTUATORS. TEST ADJUST AND BALANCE.
6. PROVIDE CHEMICAL TREATMENT AND REFILL THE HYDRONIC SYSTEM FLUID. COORDINATE WITH THE BUILDING AUTOMATION SYSTEM TO FORCE THE HVAC SYSTEM INTO FULL HEATING MODE. TEST, ADJUST, AND BALANCE THE HYDRONIC HHWS/R SYSTEM.



1 H301.1 **HVAC PIPING NEW WORK PLAN - AREA 1**

1/8" = 1'-0"

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STATE OF NEW YORK — JAMES NOLT — LICENSED PROFESSIONAL ENGINEER

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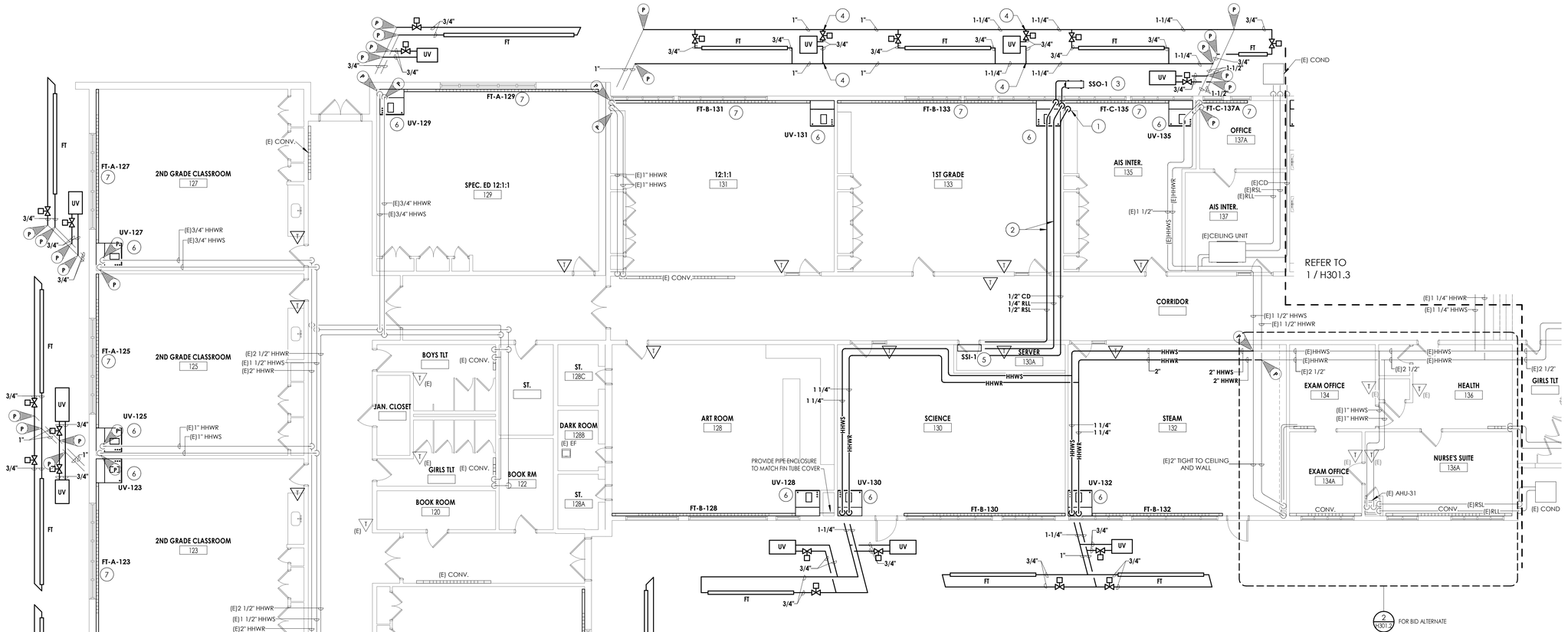
Drawing Title
GROUND FLOOR PLAN AREA 1
PIPING PLAN

VG
H301.1

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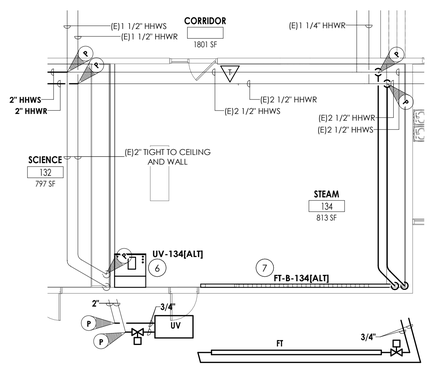
KEYNOTES

1. TERMINATE CONDENSATE PIPE 1'-0" ABOVE GRADE WITH INSECT SCREEN.
2. PROVIDE REFRIGERANT PIPING AND ACCESSORIES PER THE MANUFACTURER'S RECOMMENDATIONS.
3. SIZE REFRIGERANT PIPING AND PROVIDE ACCESSORIES PER THE MANUFACTURER'S RECOMMENDATIONS. PROVIDE REINFORCED CONCRETE HOUSEKEEPING PAD FOR UNIT.
4. ROUTE UP TO UNIT VENTILATOR PIPE CONNECTION THROUGH REAR EXTENTION.
5. PROVIDE A/C SPLIT SYSTEM. MOUNT PER DETAILS AND MANUFACTURERS REQUIREMENTS. PROVIDE CONTROL WIRING AND INTEGRATE WITH BAS.
6. PROVIDE UNIT VENTILATOR, VALVES AND TRIM PER DETAILS.
7. PROVIDE FINTUBE, ENCLOSURE ASSEMBLIES, ACCESSORIES AND MAINTENANCE ACCESS DOOR.



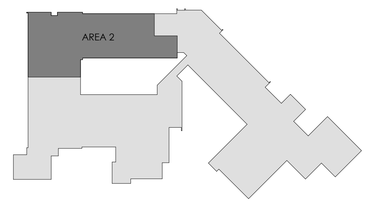
1 / H301.2 HVAC PIPING NEW WORK PLAN - AREA 2

1/8" = 1'-0"



2 / H301.2 STEAM CLASSROOM PIPING PLAN - ALTERANTE

1/8" = 1'-0"



KEYPLAN - AREA 2 - NEW

1" = 100'-0"

TRUE NORTH

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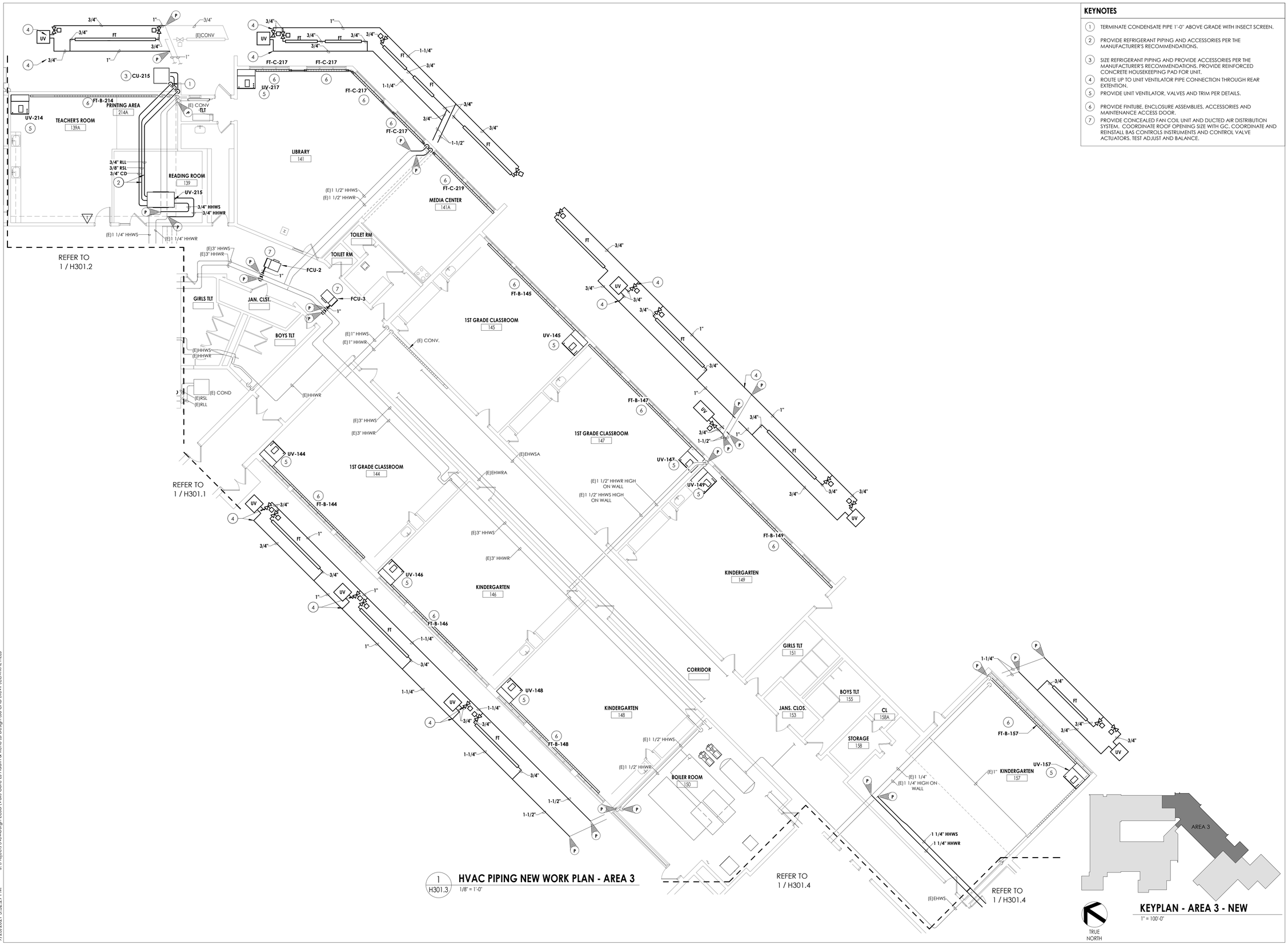
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Drawing Title
GROUND FLOOR PLAN AREA 2
PIPING PLAN

VG
H301.2

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1 H301.3 **HVAC PIPING NEW WORK PLAN - AREA 3**
1/8" = 1'-0"

KEYNOTES

1. TERMINATE CONDENSATE PIPE 1'-0" ABOVE GRADE WITH INSECT SCREEN.
2. PROVIDE REFRIGERANT PIPING AND ACCESSORIES PER THE MANUFACTURER'S RECOMMENDATIONS.
3. SIZE REFRIGERANT PIPING AND PROVIDE ACCESSORIES PER THE MANUFACTURER'S RECOMMENDATIONS. PROVIDE REINFORCED CONCRETE HOUSEKEEPING PAD FOR UNIT.
4. ROUTE UP TO UNIT VENTILATOR PIPE CONNECTION THROUGH REAR EXTENTION.
5. PROVIDE UNIT VENTILATOR, VALVES AND TRIM PER DETAILS.
6. PROVIDE FINTUBE, ENCLOSURE ASSEMBLIES, ACCESSORIES AND MAINTENANCE ACCESS DOOR.
7. PROVIDE CONCEALED FAN COIL UNIT AND DUCTED AIR DISTRIBUTION SYSTEM. COORDINATE ROOF OPENING SIZE WITH GC. COORDINATE AND REINSTALL BAS CONTROLS INSTRUMENTS AND CONTROL VALVE ACTUATORS. TEST ADJUST AND BALANCE.

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PHASE 5: 2019 CAPITAL IMPROVEMENTS PROJECT

SED # 44-16-00-01-0-018-009

Project Address
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REVISION SCHEDULE

#	Date	Description

STATE OF NEW YORK — Laurie Natt — LICENSED PROFESSIONAL ENGINEER

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Issued
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ACS

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EM

Drawing Title
GROUND FLOOR PLAN AREA 3
PIPING PLAN

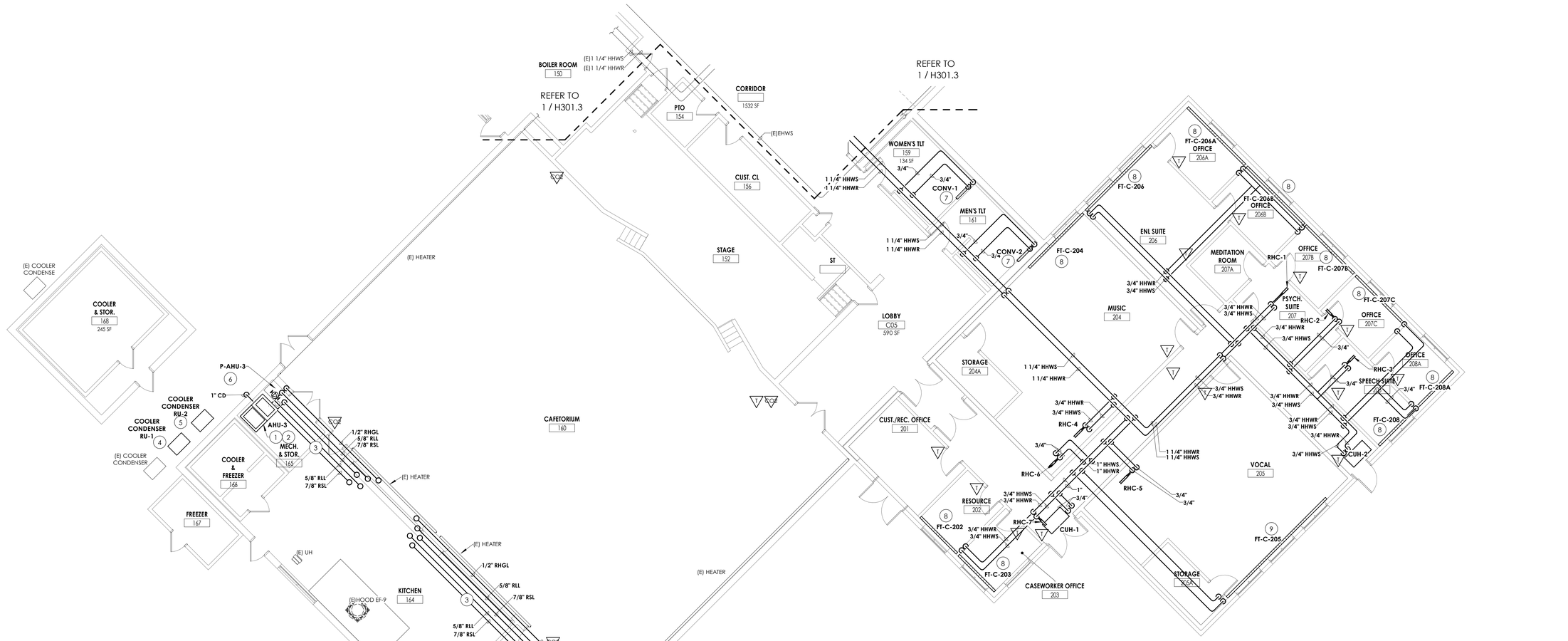
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H301.3

KEYPLAN - AREA 3 - NEW
1" = 100'-0"

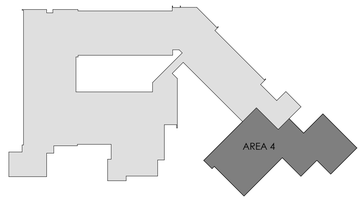
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KEYNOTES

1. RECONNECT AHU TO EXISTING HHWS/HHWR PIPING. PROVIDE ALL NEW VALVES AS SHOWN ON DETAIL.
2. TERMINATE CONDENSATE PIPE 1'-0" ABOVE GRADE WITH INSECT SCREEN.
3. PROVIDE REFRIGERANT PIPING AND ACCESSORIES PER THE MANUFACTURER'S RECOMMENDATIONS.
4. PROVIDE BALLY EZ-LINE SCROLL, CONDENSING UNITS-AIR (MODEL BEZA007H8-HS2D, 8.5MCA, 208-230V/1PH/60HZ,) AND BALLY LOW PROFILE EVAPORATOR (208-230V/1PH/60HZ, 0.8MCA, MODEL BLP107MA-S2D) OR APPROVED EQUIVALENT WITH A CAPACITY REQUIRED OF 6108BTUH.
5. PROVIDE BALLY CONDENSING UNIT EZ-LINE SCROLL, CONDENSING UNITS-AIR (208-230V/1PH/60HZ, 18.4MCA, MODEL BEZA020L8-HS2D) AND LOW PROFILE, EVAPORATOR (208-230V/1PH/60HZ, 1.4MCA, MODEL BLP207LE-S2D) OR APPROVED EQUIVALENT WITH A CAPACITY REQUIRED OF 6669BTUH.
6. PROVIDE WITH 1-1/2" PIPING AND ALL TRIM AS SHOWN ON DETAIL 11/H801.
7.
8. PROVIDE FINTUBE, ENCLOSURE ASSEMBLIES, ACCESSORIES AND MAINTENANCE ACCESS DOOR.
9.



1 / H301.4 **HVAC PIPING NEW WORK PLAN - AREA 4**
1/8" = 1'-0"



TRUE NORTH

KEYPLAN - AREA 4 - NEW
1" = 100'-0"

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PHASE 5: 2019 CAPITAL IMPROVEMENTS PROJECT

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400 Old Forge Hill Rd, New Windsor, NY 12553

REVISION SCHEDULE

#	Date	Description

STATE OF NEW YORK — Daniel Nat — LICENSED PROFESSIONAL ENGINEER

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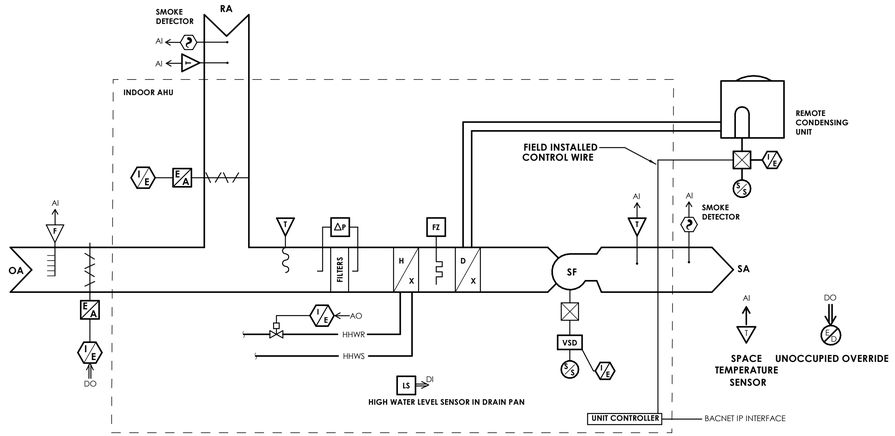
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Checked By: EM

Drawing Title
GROUND FLOOR PLAN AREA 4 PIPING PLAN

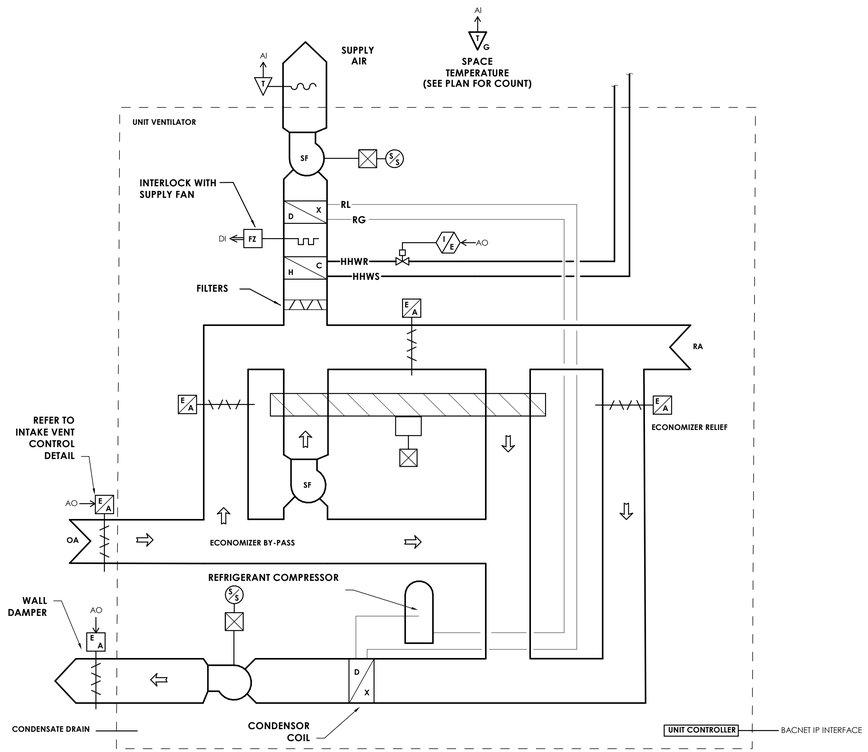
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H301.4

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NOTES:
1. MODULATING PRESSURE INDEPENDENT CONTROL VALVE. RE-INSTALL VALVE ACTUATORS REMOVED DURING DEMOLITION.

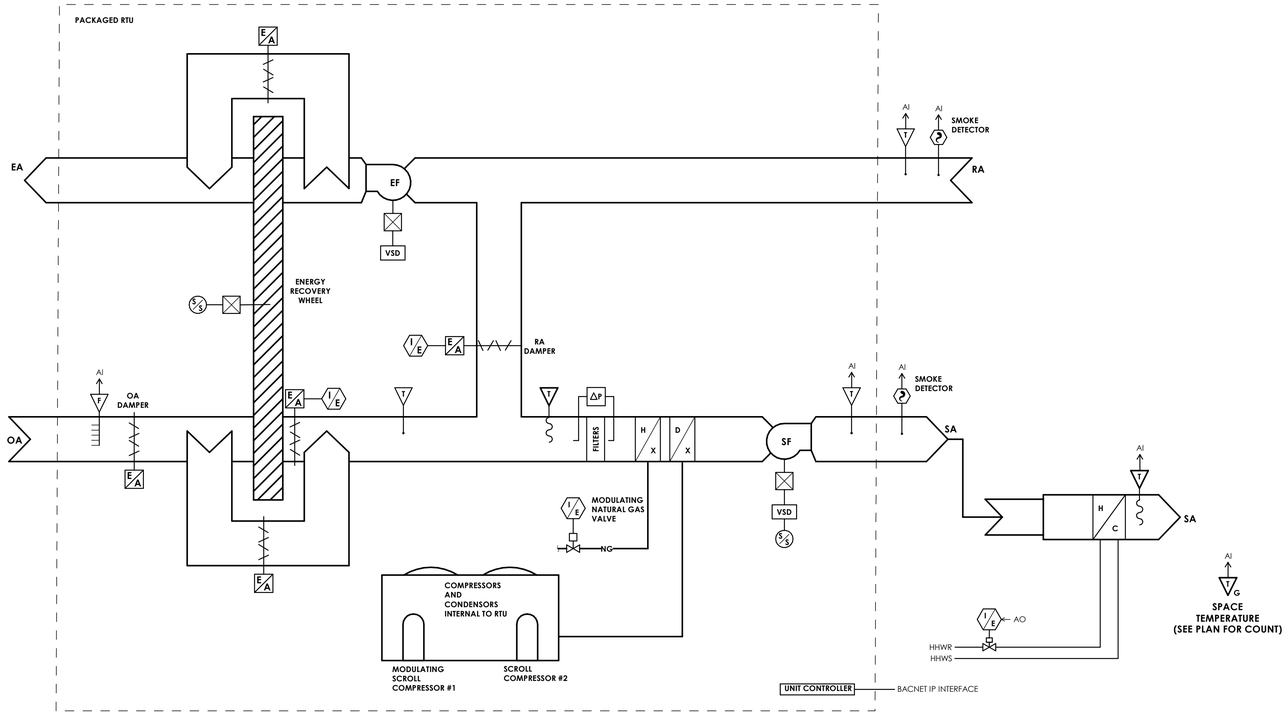
1 / H500 **INDOOR AIR HANDLING UNITS AHU-1 & AHU-2**
NOT TO SCALE.



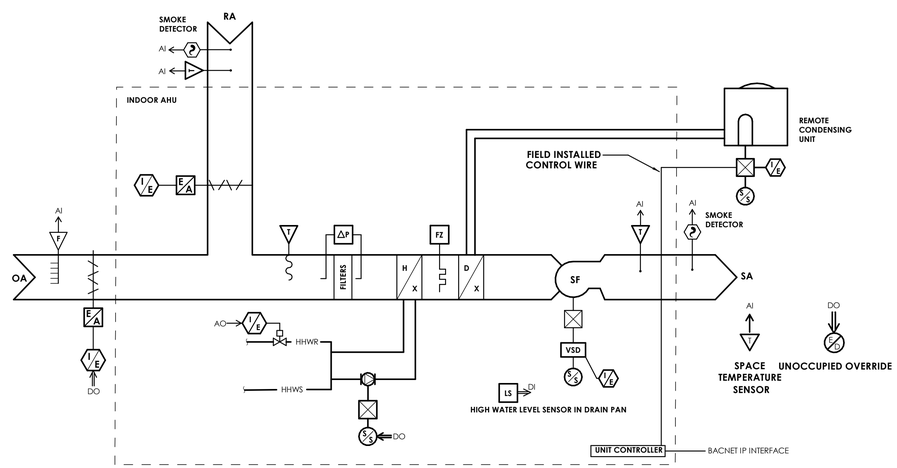
NOTES:
1. MODULATING PRESSURE INDEPENDENT CONTROL VALVE. RE-INSTALL VALVE ACTUATORS REMOVED DURING DEMOLITION.

FIN-TUBE (FT) / CONVECTOR (CV) RADIATION (SEE PLAN FOR COUNT)

2 / H500 **VERTICAL UNIT VENTILATOR SCHEMATIC**
NOT TO SCALE.



3 / H500 **PACKAGED ROOFTOP AIR HANDLING UNIT WITH DUCT MOUNTED REHEAT COILS**
SCALE: NOT TO SCALE



NOTES:
1. MODULATING PRESSURE INDEPENDENT CONTROL VALVE. RE-INSTALL VALVE ACTUATORS REMOVED DURING DEMOLITION.

1 / H500 **INDOOR AIR HANDLING UNITS AHU-3 &AHU-4**
NOT TO SCALE.

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Project Address
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REVISION SCHEDULE

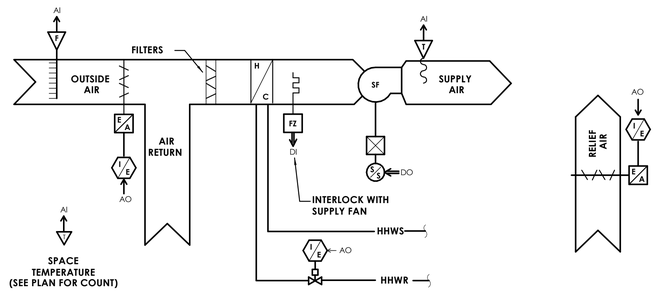
#	Date	Description

STATE OF NEW YORK — LICENSED PROFESSIONAL ENGINEER — James Hart

SHEET INFORMATION
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03/05/21
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Drawing Title
HVAC CONTROLS

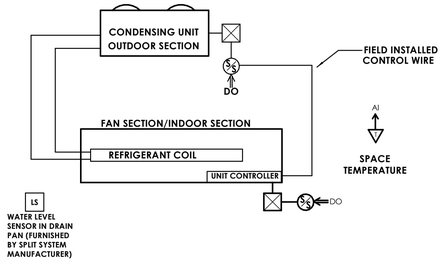
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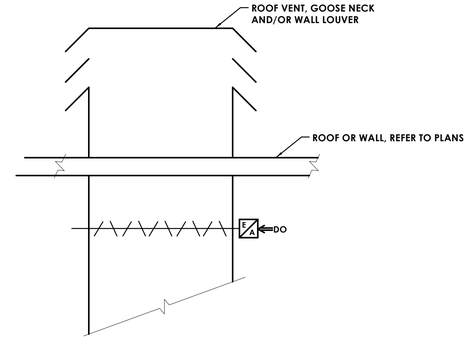
1 H501 CORRIDOR FAN-COIL UNITS

NOT TO SCALE



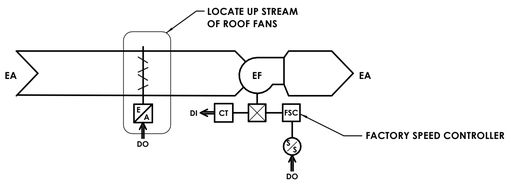
2 H501 DUCTLESS SPLIT SYSTEM - TYP. SSI AND SSO UNITS

NOT TO SCALE



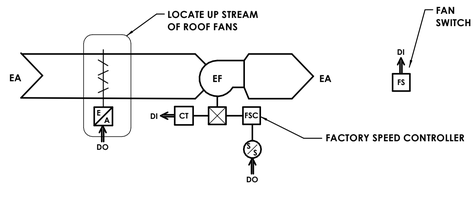
3 H501 TYPICAL GRAVITY RELIEF AND INTAKE VENTS

NOT TO SCALE



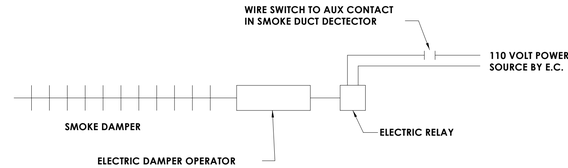
4 H501 TOILET ROOM EXHAUST FAN

NOT TO SCALE



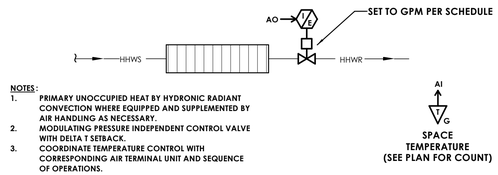
5 H501 NURSES SUITE EXHAUST FAN

NOT TO SCALE



6 H501 SMOKE DAMPER CONTROL DETAIL

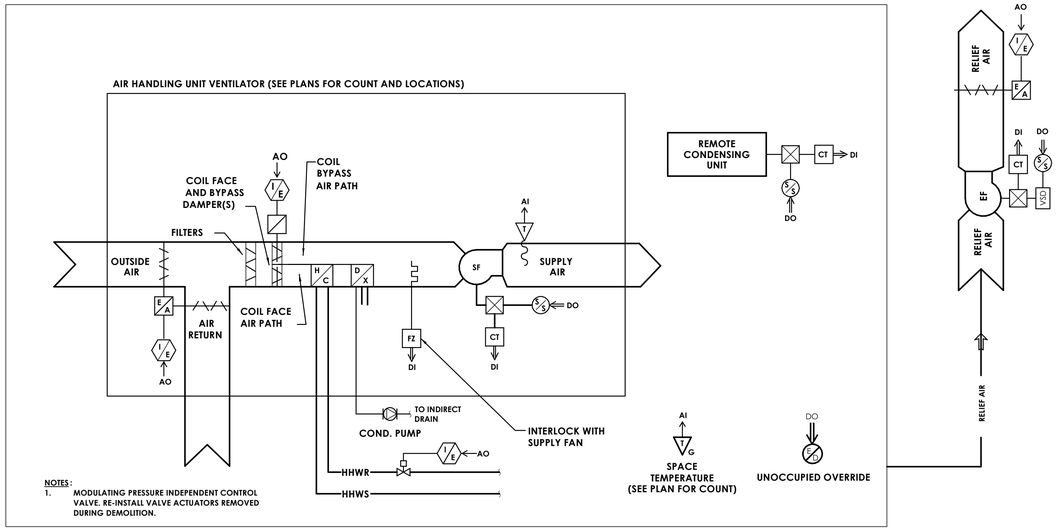
NOT TO SCALE



NOTES:
1. PRIMARY UNOCCUPIED HEAT BY HYDRONIC RADIANT CONVECTION WHERE EQUIPPED AND SUPPLEMENTED BY AIR HANDLING AS NECESSARY.
2. MODULATING PRESSURE INDEPENDENT CONTROL VALVE WITH DELTA T SETBACK.
3. COORDINATE TEMPERATURE CONTROL WITH CORRESPONDING AIR TERMINAL UNIT AND SEQUENCE OF OPERATIONS.

7 H501 HOT WATER FINTUBE RADIATION CONTROL SCHEMATIC

NOT TO SCALE.



NOTES:
1. MODULATING PRESSURE INDEPENDENT CONTROL VALVE. RE-INSTALL VALVE ACTUATORS REMOVED DURING DEMOLITION.

8 H501 HORIZONTAL UNIT VENTILATOR WITH HYDRONIC HEAT

NOT TO SCALE

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STATE OF NEW YORK — DANIEL MATT — LICENSED PROFESSIONAL ENGINEER

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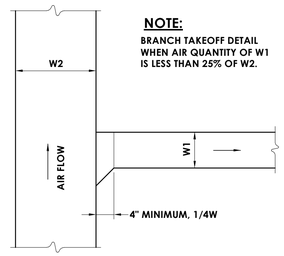
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Drawing Title
HVAC CONTROLS

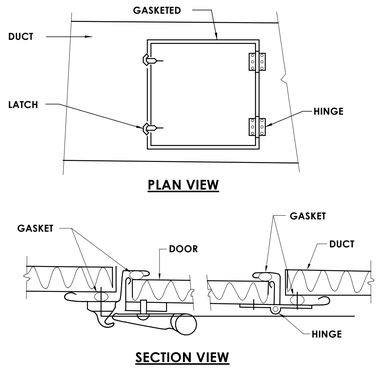
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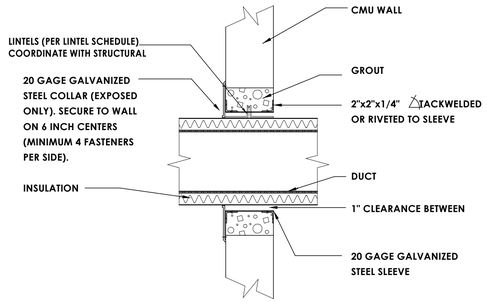


NOTE:
BRANCH TAKEOFF DETAIL WHEN AIR QUANTITY OF W1 IS LESS THAN 25% OF W2.

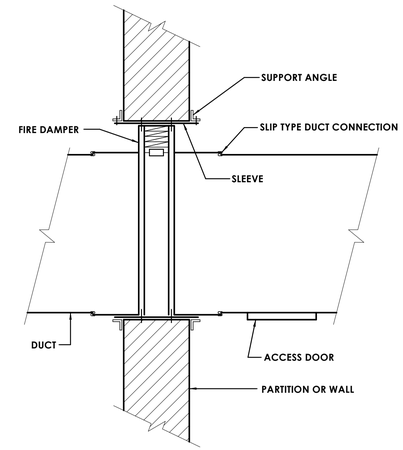
1 H800 BRANCH TAKE-OFF DETAIL
NTS



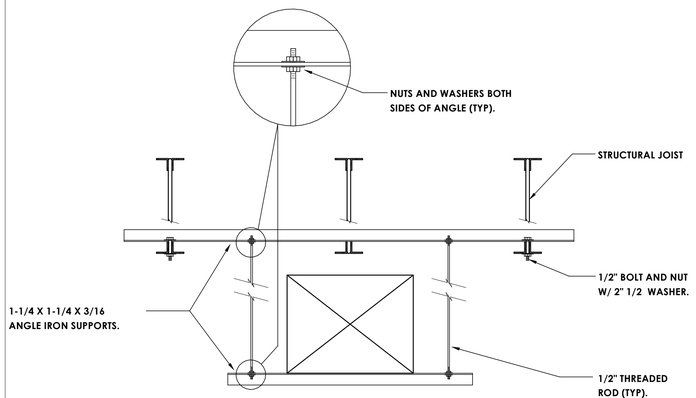
2 H800 ACCESS DOOR
NTS



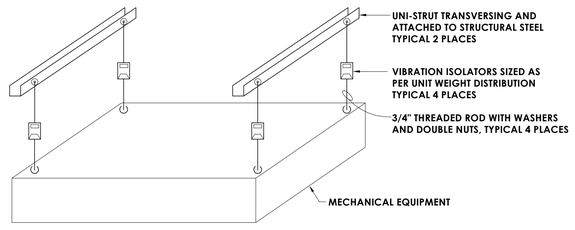
3 H800 DUCT PENETRATION THROUGH WALL (NON FIRE RATED)
NTS



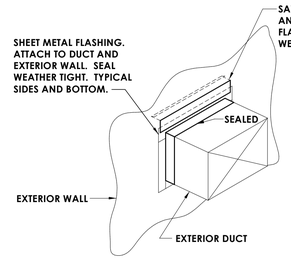
4 H800 VERTICAL FIRE DAMPER DETAIL
NTS

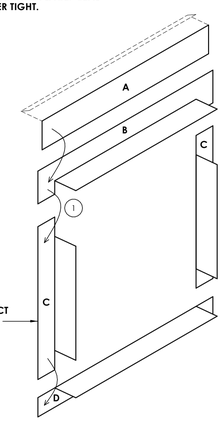


5 H800 DUCT HANGER DETAIL
NTS



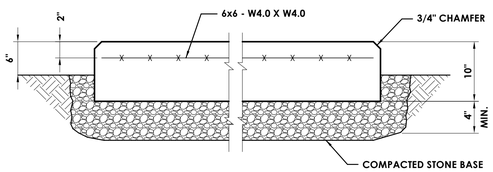
6 H800 INDOOR UNIT SUPPORT DETAIL
NTS



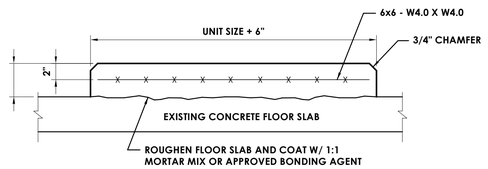


KEY NOTE:
(1) TO ALLOW FOR PROPER WATER DRAINAGE, A SHALL OVERLAP B, B SHALL OVERLAP C AND C SHALL OVERLAP D.

7 H800 FLASHING AND SEALING OF HORIZONTAL EXTERIOR DUCT PENETRATION THROUGH EXTERIOR WALL
NTS



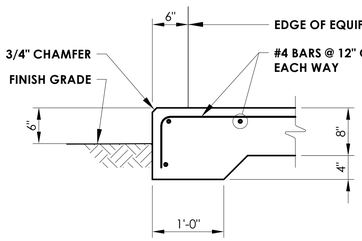
INTERIOR PAD DETAIL FOR LOCATION ON GROUND



INTERIOR PAD DETAIL FOR LOCATION ON EXISTING CONCRETE FLOOR

NOTE: COORDINATE UNIT SIZE WITH EQUIPMENT SELECTED.

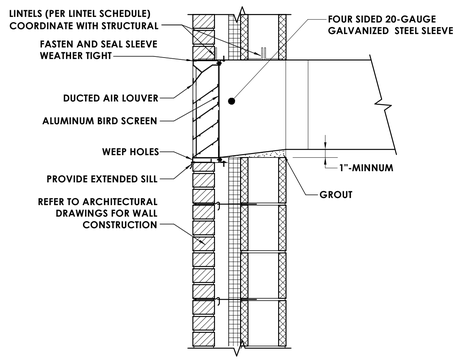
8 H800 EQUIPMENT HOUSEKEEPING PAD DETAIL
NTS



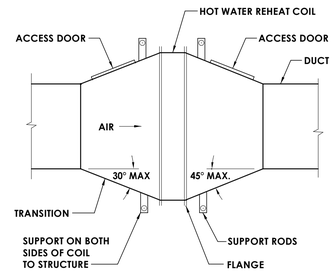
MOVEMENT ALLOWED EQUIPMENT

DETAIL NOTES:
1. COORDINATE EQUIPMENT PAD SIZE AND LOCATION WITH MECHANICAL, ELECTRICAL AND EQUIPMENT MANUFACTURER'S DRAWINGS.
2. VERIFY PAD THICKNESS WITH EQUIPMENT MANUFACTURER FOR ANCHORAGE.
3. PROVIDE CONTROL JOINTS IN SLAB AT SPACINGS NOT TO EXCEED 12'-0" O.C. IN EITHER DIRECTION. JOINTED AREAS SHALL BE SQUARE.

9 H800 EXTERIOR EQUIPMENT PAD DETAIL
NTS



10 H800 DUCTED LOUVER THOUGH WALL SECTION
NTS



NOTE:
SUPPORT DUCTWORK INDEPENDENTLY OF THE COIL.

11 H800 REHEAT COIL DETAIL
NTS

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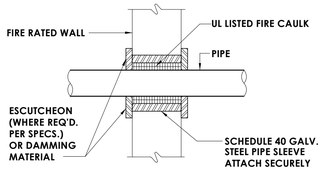
PROJECT INFORMATION
Project Number
13940.20
Client Name
NEWBURGH ENLARGED CITY SCHOOL DISTRICT
Project Name
PHASE 5: 2019 CAPITAL IMPROVEMENTS PROJECT
SED # 44-16-00-01-0-018-009
Project Address
400 Old Forge Hill Rd, New Windsor, NY 12553

REVISION SCHEDULE
#	Date	Description

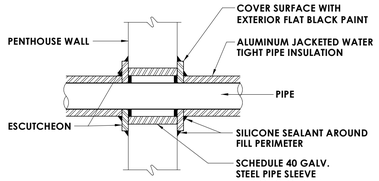
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03/05/21
BID SUBMISSION
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Checked By: EM
Drawing Title
HVAC DETAILS

VG
H800

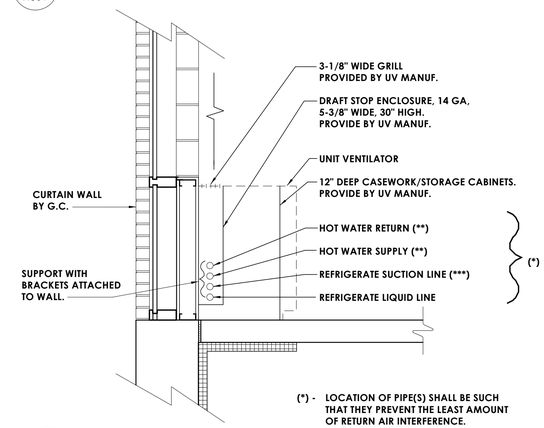
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1 H801 **PIPE THROUGH RATED WALL**
NTS



2 H801 **PIPE THROUGH NON-RATED WALL**
NTS



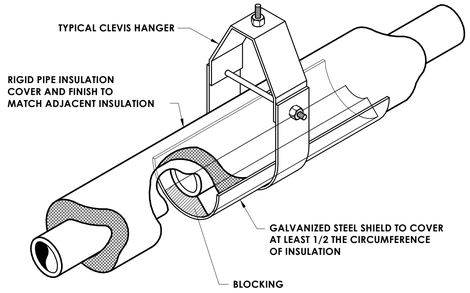
NOTE:
DRAFT STOP ENCLOSURE AND CABINETRY SHALL RUN FULL LENGTH OF EXTERIOR WALL UNLESS OTHERWISE NOTED.

(*) - LOCATION OF PIPE(S) SHALL BE SUCH THAT THEY PREVENT THE LEAST AMOUNT OF RETURN AIR INTERFERENCE.

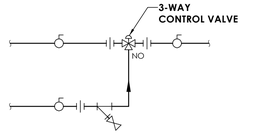
(**) - DO NOT INSULATE WITHIN DRAFT STOP ENCLOSURE

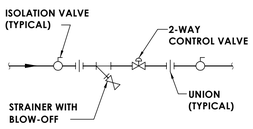
(***) - 1" THK. INSULATION WITHIN DRAFT STOP ENCLOSURE. CLOSED-CELL PHENOLIC FOAM INSULATION.

5 H801 **TYPICAL SECTION/ELEVATION OF UNIT VENTILATOR AT DRAFT STOP**
NTS

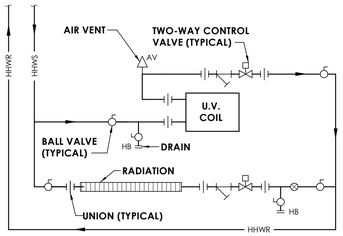


3 H801 **INSULATED PIPE HANGER DETAIL**
NTS

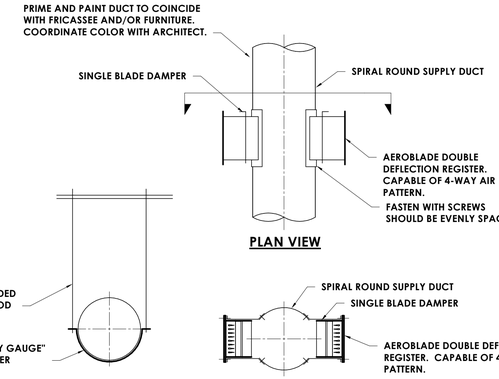




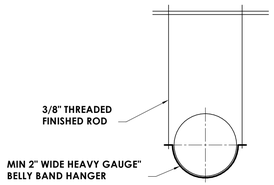
8 H801 **CONTROL VALVE SCHEMATICS**
NTS



7 H801 **UNIT VENTILATOR DETAIL WITH HOT WATER RADIATION**
NTS



PLAN VIEW

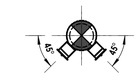


DUCT HANGER SECTION



SECTION

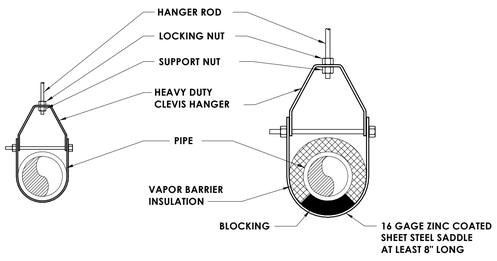
9 H801 **CLASSROOM AIR DISTIBUTION DETAIL**
NTS



REFER TO 9 / H801
FOR MORE INFORMATION

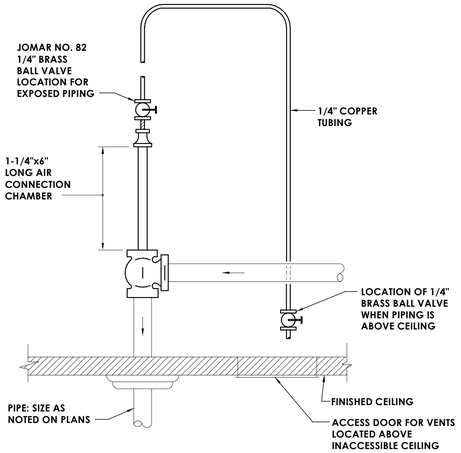
9A H801 **TYPICAL GYM DIFFUSER**
1/4" = 1'-0"

CLEVIS HANGER
SINGLE HORIZONTAL RUNS
NO VAPOR BARRIER INSULATION

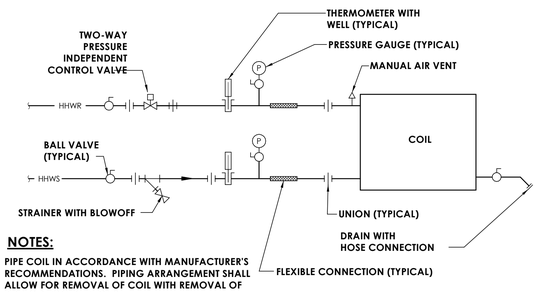


CLEVIS HANGER
SINGLE HORIZONTAL RUNS
WITH VAPOR BARRIER INSULATION

4 H801 **PIPE SUPPORT DETAIL**
NTS

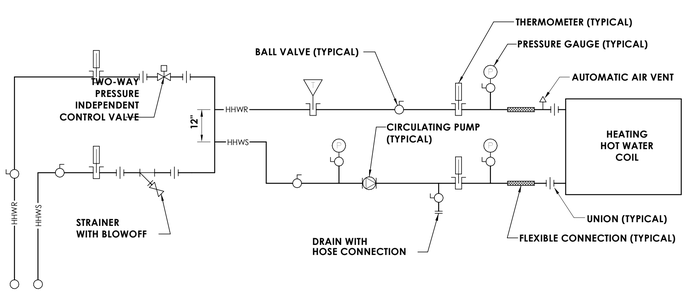


6 H801 **MANUAL AIR VENT DETAIL - WATER PIPING**
NTS



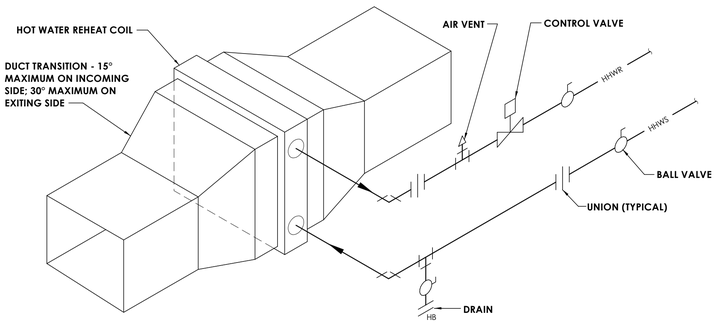
NOTES:
PIPE COIL IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. PIPING ARRANGEMENT SHALL ALLOW FOR REMOVAL OF COIL WITH REMOVAL OF PIPING BEYOND UNIONS.

10 H801 **AHU-1 & AHU-2 HOT WATER COIL PIPING DETAIL**
1/2" = 1'-0"



NOTES:
1) PIPE COIL IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. PIPING ARRANGEMENT SHALL ALLOW FOR REMOVAL OF COIL WITHOUT REMOVAL OF PIPING BEYOND UNIONS.

11 H801 **AHU-3 & AHU-4 HOT WATER COIL PIPING DETAIL**
1/2" = 1'-0"



THIS DETAIL APPLIES TO VAV BOXES AND REHEAT COILS

12 H801 **HOT WATER REHEAT COIL DETAIL**
1/2" = 1'-0"

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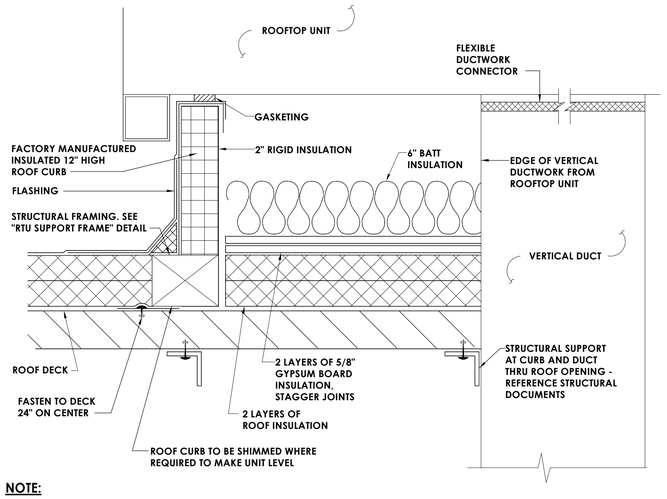
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Checked By: EM
Drawing Title
HVAC DETAILS

VG
H801

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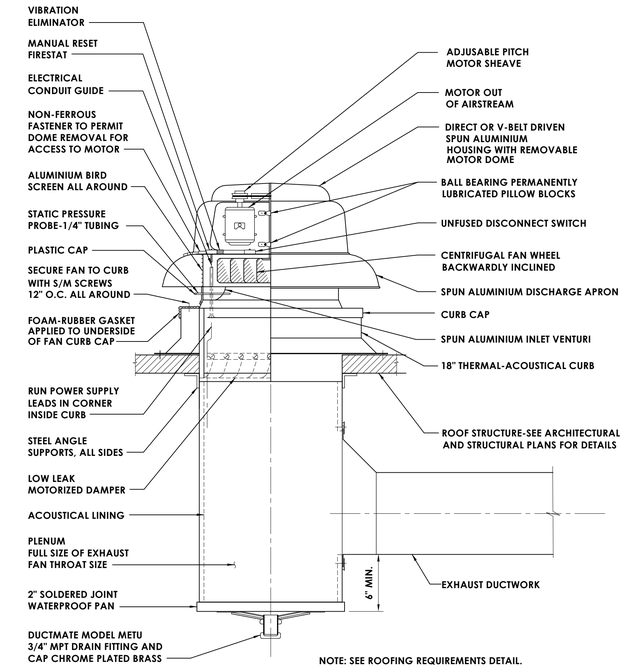


NOTE:

ALL ROOFTOP HVAC UNITS REQUIRED TO HAVE CURB AND CURB INTERIOR AS SHOWN.

1 H802 CURB INTERIOR REQUIREMENTS ROOFTOP/DOAS UNIT - ROOF CURB DETAILS

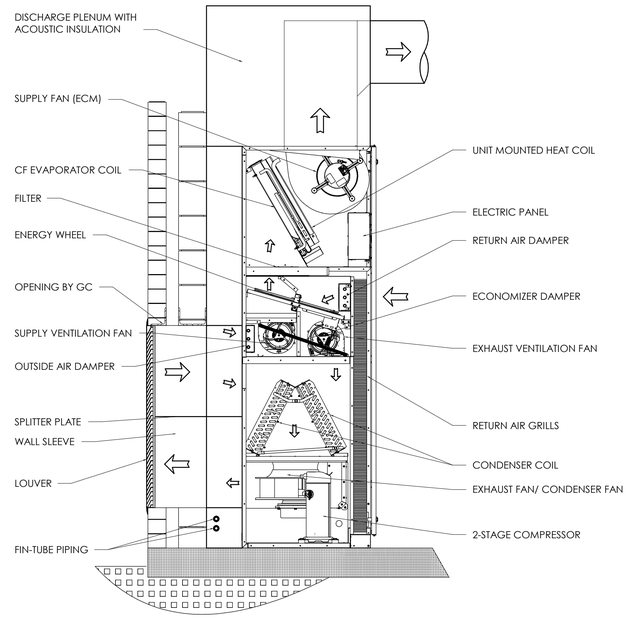
NTS



NOTE: SEE ROOFING REQUIREMENTS DETAIL.

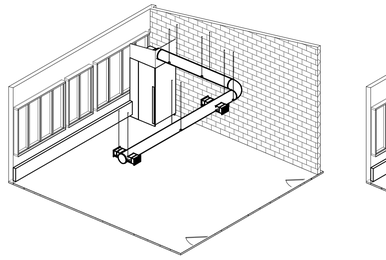
2 H802 EXHAUST FAN DETAIL

NTS

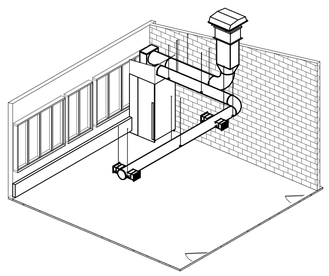


3 H802 TYPICAL UV CROSS-SECTION

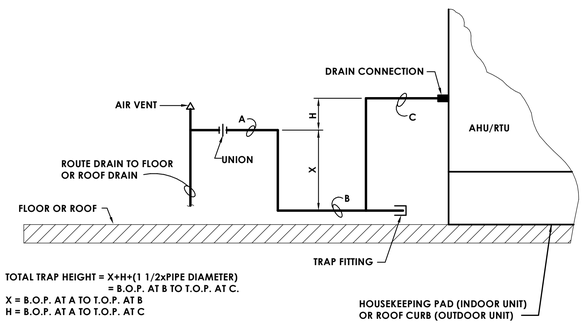
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4 H802 TYPICAL CLASSROOM WITH THRU WALL OA



5 H802 TYPICAL CLASSROOM WITH DUCTED OA



TOTAL TRAP HEIGHT = X+H+(1 1/2xPIPE DIAMETER)
= B.O.P. AT B TO T.O.P. AT C.
X = B.O.P. AT A TO T.O.P. AT B
H = B.O.P. AT A TO T.O.P. AT C

POSITIVE STATIC PRESSURES:
X = AT LEAST 1" PLUS CASING STATIC PRESSURE
H = AT LEAST 1"

NEGATIVE STATIC PRESSURES:
X = 1/2H
H = AT LEAST 1" PLUS CASING STATIC PRESSURE

B.O.P. = BOTTOM OF PIPE
T.O.P. = TOP OF PIPE

NOTE:

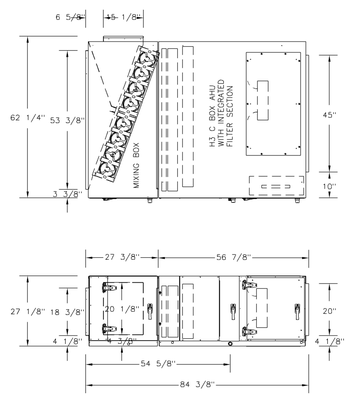
DRAIN PIPING SHALL BE MINIMUM UNIT CONNECTION SIZE. UNITS 25 TONS AND LARGER SHALL HAVE DRAIN SIZE ONE PIPE SIZE LARGER THAN DRAIN CONNECTION.

8 H802 TYPICAL AHU/RTU CONDENSATE DRAIN DETAIL

NOT TO SCALE

FAN ACCESS IS REQUIRED THROUGH THE TOP OR BOTTOM OF THE UNIT.
THE REQUIRED CLEARANCE IS THE UNIT HEIGHT.

AIRFLOW DIRECTION

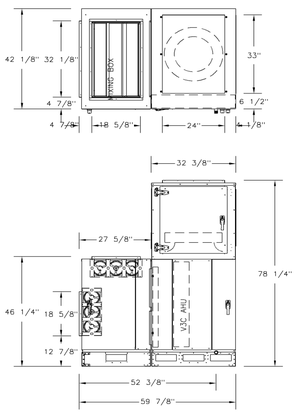


AAON® Longview, Texas	Configurator: H3-CRB-8-0-141D-11P:ABCC-H0H-LFB-0G0-C0AAAF0-00-00000E0000 JOB NAME: Newburgh Vales Gate		UNIT TAG: AHU-1 and 2
	PURCHASER:	PURCHASE ORDER:	SERIAL NO.: v1.13.0.0 / DATE: 2/24/2021
	Rep Contact:	Ordered By:	Engineer:

6 H802 AHU-1 & AHU-2 DIMENSIONS

NOT TO SCALE

FAN ACCESS IS REQUIRED THROUGH THE FRONT OR REAR OF THE UNIT.
THE REQUIRED CLEARANCE IS THE UNIT WIDTH.



AIRFLOW DIRECTION

AAON® Longview, Texas	Configurator: V3-CRB-8-0-162C-11H:ACDC-H00-FTB-0A0-00A00W0-00-00000B000 JOB NAME: Newburgh Vales Gate	
	PURCHASER:	PURCHASE ORDER:
	Rep Contact:	Ordered By:
SERIAL NO.: v1.13.0.0	DATE: 2/8/2021	Engineer:
		UNIT TAG: Split AHU # 1

7 H802 AHU-3 & AHU-4 DIMENSIONS

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STATE OF NEW YORK — DANIEL P. HART — LICENSED PROFESSIONAL ENGINEER

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PACKAGED ROOFTOP AIR HANDLING UNITS

TAG	SERVICE	MANUF.	MODEL	SUPPLY FAN				OA (CFM)	EXHAUST FAN				GAS HEATING					DX COOLING								ENERGY RECOVERY WHEEL										FILTERS	ELECTRICAL			REMARKS
				AIRFLOW (CFM)	E.S.P. (INH2O)	BREAK HP	MOTOR HP		AIRFLOW (CFM)	E.S.P. (INH2O)	BREAK HP	MOTOR HP	EAT (°F)	LAT (°F)	INPUT (MBH)	OUTPUT (MBH)	TURN DOWN	EAT		LAT		TOTAL CAPACITY (MBH)	SENSIBLE CAPACITY (MBH)	AMBIENT (°F)	STAGES	REFRIG-ERANT	AIR FLOW (CFM)	SUMMER					WINTER								
																		EDB (°F)	EWB (°F)	LDB (°F)	LWB (°F)							OA (°F)	RA (°F)	SA (°F)	TOTAL / SENS CAPACITY	OA (°F)	RA (°F)	SA (°F)	TOTAL / SENS CAPACITY		VOLTAGE	FLA	MOCP	
RTU-1	MUSIC WING	AAON	RN-015	4,550	1.00	3.46	5	2,725	2,725	0.50	2.08	3	54.7	86.4	195.0	156.0	1.4 : 1	78.9	65.3	51.7	51.2	181.6	130.9	92.0/75.0	2	R410A	2725	92.0/75.0	75.0/62.0	81.5/67.4	78.3/31.1	0	70	44	180.1/130.9	MERV 13	208/3	91	110	ALL

REMARKS:

1. PROVIDE WITH FACTORY MOUNTED AND WIRED DISCONNECT.
2. PROVIDE WITH MANUFACTURER'S 32" HIGH INSULATED ROOF CURB. COMPLY WITH THE WIND RESTRAINT REQUIREMENTS OF THIS PROJECT.
3. PROVIDE WITH DIRECT-DRIVE PLENUM FANS WITH ELECTRONICALLY COMMUTATED FAN MOTORS.
4. PROVIDE ENERGY RECOVERY WHEEL.
5. PROVIDE WITH MODULATING HOT GAS REHEAT.
6. 409 SS DRIP PAN
7. 409 SS HEAT EXCHANGER AND BURNERS
8. PROVIDE FACTORY MOUNTED AND WIRED 115V GFI SERVICE RECEPTACLE.
9. PROVIDE FACTORY CONTROLLER WITH BACNET IP INTERFACE. REFER TO SCHEMATICS AND SPECIFICATIONS FOR ADDITIONAL BAS CONTROLS REQUIREMENTS.

AIR HANDLING UNIT SCHEDULE

TAG	LOCATION	SERVICE	SUPPLY AIR FLOW (CFM)	DCV MIN. OA CFM	FULLY OCCUP. MIN. OA CFM	EXT. SP W.C.	DX COOLING COIL DATA								HOT WATER HEATING COIL DATA							SUPPLY FAN MOTOR DATA				TYPICAL UNIT MFG & MODEL NO.	REMARKS:
							TOTAL	SENS	FACE AREA SQ. FT.	ROWS	OAT °F DB/WB	EAT °F DB/WB	LAT °F DB/WB	APD IN-W.C.	MBH	FACE AREA SQ. FT.	EWT	LWT	EAT (°F)	LAT (°F)	APD IN-W.C.	GPM	WPD FT-W.C.	BHP/HP	RPM	VOLTS/Ø	MCA		
AHU-1	GYM	101 - GYMNASIUM	2000	450	825	1.0	71.3	53.3	3.8	4	92.0/75.0	81.4/67.6	56.1/55.8	0.52	89.5	7.22	160	149.8	43.5	84.9	0.13	18.0	3.7	1.01/1.5	1978	230/3/60	7	AAON: H3-CR8-8-0-141D-11P	ALL
AHU-2	GYM	101 - GYMNASIUM	2000	450	825	1.0	71.3	53.3	3.8	4	92.0/75.0	81.0/69.2	57.9/56.4	0.52	89.5	7.22	160	149.8	43.5	84.9	0.13	18.0	3.7	1.01/1.5	1978	230/3/60	7	AAON: H3-CR8-8-0-141D-11P	ALL
AHU-3	STORAGE	CAFETORIUM	3000	775	3000	1.0	149.85	120.6	6	6	92.0/75.1	92.0/75.1	56.6/56.3	0.5	165.3	7.22	160	144.3	0	53.2/35.8	0.05	21.5	2.2	1.28/4.0	1181	208/3/60	11	AAON: V3-CR8-8-0-162C-11H	ALL
AHU-4	STOR.	CAFETORIUM	3000	775	3000	1.0	149.85	120.6	6	6	92.0/75.1	92.0/75.1	56.6/56.3	0.5	165.3	7.22	160	144.3	0	53.2/35.8	0.05	21.5	2.2	1.28/4.0	1181	208/3/60	11	AAON: V3-CR8-8-0-162C-11H	ALL

REMARKS:

1. PROVIDE LOCAL DISCONNECT.
2. REMOTE MOUNTED CONDENSING UNIT.

FAN COIL UNIT SCHEDULE

TAG	LOCATION & SERVICE	TYPE	SA (CFM)	OA (CFM)	HEATING						ELECTRICAL DATA				MAX UNIT DIMENSIONS (LXWXH)	TYPICAL UNIT MFG & MODEL NO.	REMARKS:
					EWT (°F)	WATER ΔT (°F)	GPM	WPD (FTWC)	MBH	EAT (°F)	LAT (°F)	HP	VOLTS	PHASE	FLA			
FC-1	CORRIDOR	HORIZ. CONCEALED	600	250	160	20	2.9	1	28.6	41	85	1/2	120	1	5.15	38×29×12.5	PRICE FCHG-40	1-2
FC-2	CORRIDOR	HORIZ. CONCEALED	400	140	160	20	1.7	1	17.1	46	85	1/2	120	1	4.86	38×24×10.5	PRICE FCHG-30	1-2
FC-3	CORRIDOR	HORIZ. CONCEALED	400	160	160	20	1.9	1	18.6	42	85	1/2	120	1	4.86	38×24×10.5	PRICE FCHG-30	1-2

REMARKS:

1. PROVIDE DISCONNECT
2. PROVIDE WITH MERV 8 FILTERS

HOT WATER COIL SCHEDULE

TAG	LOCATION	SERVICE	AIR DATA					WATER DATA				MFG SIZE H×L (IN.)	ROWS	TYPICAL UNIT MFG & MODEL NO.	REMARKS:
			CFM	TEMP (°F)		APD (IN. WC)	MIN. MBH	GPM	TEMP (°F)		APD (IN. WC)				
				ENT	LVG				ENT	LVG					
RHC-1	7 - PSYCH SUITE.	6 - ENL SUITE AND OFFICES	410	65	90	3.5	11.1	0.7	160	130	0.125	12 × 8	2	GREENHECK HW12C	-
RHC-2	7 - PSYCH SUITE.	7 - PSYCOLOGY SUITE AND OFFICES	375	65	90	3.5	10.1	0.7	160	130	0.125	12 × 8	2	GREENHECK HW12C	-
RHC-3	7 - PSYCH SUITE.	8 - SPEECH SUITE AND OFFICES	275	65	90	3.5	7.4	0.5	160	130	0.125	12 × 8	2	GREENHECK HW12C	-
RHC-4	CORRIDOR	4 - MUSIC	970	65	90	3.5	26.2	1.7	160	130	0.125	18 × 12	2	GREENHECK HW12C	-
RHC-5	CORRIDOR	5 - VOCAL	970	65	90	3.5	26.2	1.7	160	130	0.125	18 × 12	2	GREENHECK HW12C	-
RHC-6	CORRIDOR	CORRIDOR & TOILETS	530	65	90	3.5	14.3	1.0	160	130	0.125	12 × 9	2	GREENHECK HW12C	-
RHC-7	CORRIDOR	1 THRU 3 - OFFICES	390	65	90	3.5	10.5	0.7	160	130	0.125	12 × 9	2	GREENHECK HW12C	-

AIR COOLED CONDENSING UNIT SCHEDULE

TAG	LOCATION	SERVICE	NOMINAL TONS	COMPRESSOR/ CIRCUIT	SST °F	ELECTRICAL DATA						OPERATING WEIGHT (LBS.)	TYPICAL UNIT MFG & MODEL NO.	REMARKS:
						FAN		COMPRESSOR		VOLT/Ø	FLA			
						NO.	HP	QTY	RLA					
ACCU-1	BOILER/LOCKER ROOM ROOF	GYM AHU	7	1 / 1	45.59	1	1/3	1	20.4	208/3	45	474	AAON CFA-007	1-2
ACCU-2	BOILER/LOCKER ROOM ROOF	GYM AHU	7	1 / 1	45.59	1	1/3	1	20.4	208/3	45	474	AAON CFA-007	1-2
ACCU-3	KITCHEN ROOF	CAFE. AHU	13	2 / 2	45.59	2	3/4	1	20.4/22.4	208/3	50	1154	AAON CFA-013	1-2
ACCU-4	KITCHEN ROOF	CAFE. AHU	13	2 / 2	45.59	2	3/4	1	20.4/22.4	208/3	50	1154	AAON CFA-013	1-2
CU-215	GRADE	RM 215	1.5	1 / 1	45.77	1	1/12	1	9.7	208/1	20	125	AIRDALE YCE18	1, 3

REMARKS:

1. PROVIDE PROVIDE HEAVY DUTY NEMA 3R DISCONNECTS.
2. PROVIDE ON EQUIPMENT RAIL.
3. PROVIDE ON REINFORCED EQUIPMENT PAD.

SPLIT SYSTEM OUTDOOR UNITS

TAG	LOCATION	MANUF.	MODEL	COOLING CAPACITY	REFRIGERANT TYPE	SEER	SOUND PRESSURE LEVELS (dB)	ELECTRICAL		WEIGHT	REMARKS
								POWER	MCA		
SSO-1	AT GRADE	MITSUBISHI ELECTRIC	RKN15KEVJU5	18000.0 Btu/h	R-410A	15.3	46	208-230 VAC/60 HZ/1Ø	13 A	97.00 lbf	1-2

REMARKS:

1. PROVIDE NEMA 3 DISCONNECT.
2. PROVIDE MODULATING, INVERTER DUTY COMPRESSORS.

SPLIT SYSTEM INDOOR UNITS

TAG	LOCATION	MANUF.	MODEL	FAN CAPACITY (CFM)	TOTAL COOLING CAPACITY	REFRIGERANT	SEER	ELECTRICAL		WEIGHT	REMARKS	OUTDOOR UNIT
								POWER	MCA			
SSI-1	SERVER	MITSUBISHI ELECTRIC	FTXN15KVJU	425 CFM-370 CFM-320 CFM	18000.0 Btu/h	R-410A	15	208-230 VAC/60 HZ/1Ø	13 A	29.00 lbf	-	SSO-1

CAFETORIUM/KITCHEN BALANCING SCHEDULE

EQUIPMENT	MODE HOOD ON		MODE HOOD OFF	
	FULL OCCUPANCY	MINIMUM OCCUPANCY	FULL OCCUPANCY	MINIMUM OCCUPANCY
AHU-3	3000 CFM SA	3000 CFM SA	3000 CFM SA	3000 CFM SA
	3000 CFM OA	3000 CFM OA	3000 CFM OA	775 CFM OA
	0 CFM RA	0 CFM RA	0 CFM RA	2225 CFM RA
AHU-4	3000 CFM SA	3000 CFM SA	3000 CFM SA	3000 CFM SA
	3000 CFM OA	3000 CFM OA	3000 CFM OA	775 CFM OA
	0 CFM RA	0 CFM RA	0 CFM RA	2225 CFM RA
EXISTING EF-9 (KITCHEN HOOD)	4000 CFM EXH	4000 CFM EXH	0 CFM EXH	0 CFM EXH
EXISTING EF-8 (GENERAL)	685 CFM EXH	685 CFM EXH	685 CFM EXH	685 CFM EXH
EXISTING RELIEF DAMPER	1315 CFM EXH	1315 CFM EXH	5315 CFM EXH	865 CFM EXH

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PROJECT INFORMATION

Project Number
13940.20

Client Name
NEWBURGH ENLARGED CITY SCHOOL DISTRICT

Project Name
PHASE 5: 2019 CAPITAL IMPROVEMENTS PROJECT

SED # 44-16-00-01-0-018-009

Project Address
400 Old Forge Hill Rd, New Windsor, NY 12553

REVISION SCHEDULE

#	Date	Description



SHEET INFORMATION

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HVAC SCHEDULES

VG
H900

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UNIT VENTILATORS

UNIT							SUPPLY FAN				POWER EXHAUST			SELF-CONTAINED COOLING COIL					HOT WATER COIL					ENERGY RECOVERY WHEEL										
														EAT		LAT				AIR TEMP.						SUMMER					WINTER					
TAG	MANUF.	MODEL	VOLTAGE PHASE	FLA	MCA	MOCP	DESIGN AIRFLOW (CFM)	OUTDOOR AIRFLOW (CFM)	EXT. STATIC PRESSURE (INWG)	MOTOR POWER (HP)	AIRFLOW (CFM)	EXT. STATIC PRESSURE (INWG)	MOTOR POWER (HP)	EDB (°F)	EWB (°F)	LDB (°F)	LWB (°F)	TOTAL CAPACITY (MBH)	SENSIBLE CAPACITY (MBH)	EDB (°F)	LDB (°F)	EWT (°F)	LWT (°F)	FLOW RATE (GPM)	WPD (PSI)	COIL CAPACITY (MBH)	FLOW CFM	OA	RA	SA	MBH	FLOW CFM	OA	RA	SA	MBH	REMARKS
UV-102[ALT]	MODINE AIRDALE	CMD24	208/60/1	24.4	27.3	35.0	900	92	0.45	3/4	2300	0.2	2 1/2	72.5	62.3	55.0	54.1	15.8	11.8	63	85	160	146	3.00	0.37	21.38	400	1.2	1.2	80.4	13.2	400.0	36.0	75.0	59.9	13.1	1-6, 11, 15
UV-102	MODINE AIRDALE	CMD24	208/60/1	24.4	27.3	35.0	900	400	0.45	3/4	2300	0.2	2 1/2	80.9	67.0	55.1	53.8	13.1	9.6	39	85	160	130	3.00	0.37	44.71	400	1.2	1.2	80.4	13.2	400.0	36.0	75.0	59.9	13.1	1-7, 9
UV-104	MODINE AIRDALE	CMD24	208/60/1	24.4	27.3	35.0	900	400	0.45	3/4	2300	0.2	2 1/2	80.9	67.0	55.2	53.8	13.1	9.6	39	85	160	130	3.00	0.37	44.71	400	1.2	1.2	80.4	13.2	400.0	36.0	75.0	59.9	13.1	1-7
UV-105	MODINE AIRDALE	CMD24	208/60/1	24.4	27.3	35.0	900	400	0.45	3/4	2300	0.2	2 1/2	80.8	67.3	55.3	53.9	15.3	11.3	39	85	160	130	3.00	0.37	44.71	400	1.2	1.2	80.4	13.2	400.0	36.0	75.0	59.9	13.1	1-7
UV-106	MODINE AIRDALE	CMD24	208/60/1	24.4	27.3	35.0	900	400	0.45	3/4	2300	0.2	2 1/2	80.9	67.0	55.4	53.8	13.1	9.6	39	85	160	130	3.00	0.37	44.71	400	1.2	1.2	80.4	13.2	400.0	36.0	75.0	59.9	13.1	1-7
UV-107	MODINE AIRDALE	CMD24	208/60/1	24.4	27.3	35.0	900	400	0.45	3/4	2300	0.2	2 1/2	80.8	67.3	55.5	53.9	15.3	11.3	39	85	160	130	3.00	0.37	44.71	400	1.2	1.2	80.4	13.2	400.0	36.0	75.0	59.9	13.1	1-7
UV-108	MODINE AIRDALE	CMD24	208/60/1	24.4	27.3	35.0	900	400	0.45	3/4	2300	0.2	2 1/2	80.9	67.0	55.6	53.8	13.1	9.6	39	85	160	130	3.00	0.37	44.71	400	1.2	1.2	80.4	13.2	400.0	36.0	75.0	59.9	13.1	1-7
UV-109	MODINE AIRDALE	CMD24	208/60/1	24.4	27.3	35.0	900	400	0.45	3/4	2300	0.2	2 1/2	80.8	67.5	55.7	53.9	15.4	11.8	39	85	160	130	3.00	0.37	44.71	400	1.2	1.2	80.4	13.2	400.0	36.0	75.0	59.9	13.1	1-7
UV-111	MODINE AIRDALE	CMD24	208/60/1	24.4	27.3	35.0	900	400	0.45	3/4	2300	0.2	2 1/2	65.1	58.9	55.8	54.4	16.9	12.9	39	85	160	130	3.00	0.37	44.71	400	1.2	1.2	80.4	13.2	400.0	36.0	75.0	59.9	13.1	1-7
UV-113	MODINE AIRDALE	CMD24	208/60/1	24.4	27.3	35.0	900	400	0.45	3/4	2300	0.2	2 1/2	65.3	58.7	55.9	54.4	17.2	13.2	39	85	160	130	3.00	0.37	44.71	400	1.2	1.2	80.4	13.2	400.0	36.0	75.0	59.9	13.1	1-7
UV-115	MODINE AIRDALE	CMD24	208/60/1	24.4	27.3	35.0	900	400	0.45	3/4	2300	0.2	2 1/2	80.8	67.4	55.10	53.9	14.2	10.8	39	85	160	130	3.00	0.37	44.71	400	1.2	1.2	80.4	13.2	400.0	36.0	75.0	59.9	13.1	1-7
UV-116	MODINE AIRDALE	CMD24	208/60/1	24.4	27.3	35.0	900	400	0.45	3/4	2300	0.2	2 1/2	80.9	67.0	55.11	53.8	13.6	10	39	85	160	130	3.00	0.37	44.71	400	1.2	1.2	80.4	13.2	400.0	36.0	75.0	59.9	13.1	1-6, 8
UV-117	MODINE AIRDALE	CMD24	208/60/1	24.4	27.3	35.0	900	400	0.45	3/4	2300	0.2	2 1/2	80.9	67.0	55.12	53.8	13.9	10.2	39	85	160	130	3.00	0.37	44.71	400	1.2	1.2	80.4	13.2	400.0	36.0	75.0	59.9	13.1	1-7
UV-118	MODINE AIRDALE	CMD24	208/60/1	24.4	27.3	35.0	900	400	0.45	3/4	2300	0.2	2 1/2	80.8	67.4	55.13	53.9	14.2	10.8	39	85	160	130	3.00	0.37	44.71	400	1.2	1.2	80.4	13.2	400.0	36.0	75.0	59.9	13.1	1-7
UV-119	MODINE AIRDALE	CMD24	208/60/1	24.4	27.3	35.0	900	400	0.45	3/4	2300	0.2	2 1/2	80.8	67.4	55.14	53.9	14.2	10.8	39	85	160	130	3.00	0.37	44.71	400	1.2	1.2	80.4	13.2	400.0	36.0	75.0	59.9	13.1	1-7
UV-121	MODINE AIRDALE	CMD24	208/60/1	24.4	27.3	35.0	900	400	0.45	3/4	2300	0.2	2 1/2	80.8	67.4	55.15	53.9	14.2	10.8	39	85	160	130	3.00	0.37	44.71	400	1.2	1.2	80.4	13.2	400.0	36.0	75.0	59.9	13.1	1-7
UV-123	MODINE AIRDALE	CMD24	208/60/1	24.4	27.3	35.0	900	400	0.45	3/4	2300	0.2	2 1/2	80.8	67.4	55.16	53.9	14.2	10.8	39	85	160	130	3.00	0.37	44.71	400	1.2	1.2	80.4	13.2	400.0	36.0	75.0	59.9	13.1	1-7
UV-125	MODINE AIRDALE	CMD24	208/60/1	24.4	27.3	35.0	900	400	0.45	3/4	2300	0.2	2 1/2	80.8	67.4	55.17	53.9	15.0	11.5	39	85	160	130	3.00	0.37	44.71	400	1.2	1.2	80.4	13.2	400.0	36.0	75.0	59.9	13.1	1-7
UV-127	MODINE AIRDALE	CMD24	208/60/1	24.4	27.3	35.0	900	400	0.45	3/4	2300	0.2	2 1/2	80.8	67.1	55.18	53.8	15.9	13.3	39	85	160	130	3.00	0.37	44.71	400	1.2	1.2	80.4	13.2	400.0	36.0	75.0	59.9	13.1	1-7
UV-128	MODINE AIRDALE	CMD24	208/60/1	24.4	27.3	35.0	900	570	0.45	3/4	2300	0.2	2 1/2	80.9	66.4	55.37	53.7	21.2	16.6	26	85	160	123	3.10	0.37	57.35	570	1.2	1.2	80.4	13.2	570.0	36.0	75.0	59.9	13.1	1-7
UV-129	MODINE AIRDALE	CMD24	208/60/1	24.4	27.3	35.0	900	400	0.45	3/4	2300	0.2	2 1/2	64.8	58.3	55.20	54.4	15.8	13.2	39	85	160	130	3.00	0.37	44.71	400	1.2	1.2	80.4	13.2	400.0	36.0	75.0	59.9	13.1	1-7
UV-130	MODINE AIRDALE	CMD24	208/60/1	24.4	27.3	35.0	900	400	0.45	3/4	2300	0.2	2 1/2	80.9	66.8	55.21	53.8	15.0	11.6	39	85	160	130	3.00	0.37	44.71	400	1.2	1.2	80.4	13.2	400.0	36.0	75.0	59.9	13.1	1-7
UV-131	MODINE AIRDALE	CMD24	208/60/1	24.4	27.3	35.0	900	400	0.45	3/4	2300	0.2	2 1/2	80.9	67.2	55.22	53.9	16.0	12.2	39	85	160	130	3.00	0.37	44.71	400	1.2	1.2	80.4	13.2	400.0	36.0	75.0	59.9	13.1	1-6, 8
UV-132	MODINE AIRDALE	CMD24	208/60/1	24.4	27.3	35.0	900	400	0.45	3/4	2300	0.2	2 1/2	80.9	66.8	55.23	53.8	14.9	11.5	39	85	160	130	3.00	0.37	44.71	400	1.2	1.2	80.4	13.2	400.0	36.0	75.0	59.9	13.1	1-6, 8
UV-133	MODINE AIRDALE	CMD24	208/60/1	24.4	27.3	35.0	900	400	0.45	3/4	2300	0.2	2 1/2	66.0	59.0	55.24	54.5	22.0	18.1	39	85	160	130	3.00	0.37	44.71	400	1.2	1.2	80.4	13.2	400.0	36.0	75.0	59.9	13.1	1-6, 8
UV-134[ALT]	MODINE AIRDALE	CMD24	208/60/1	24.4	27.3	35.0	900	400	0.45	3/4	2300	0.2	2 1/2	72.1	61.6	55.25	54.0	21.4	17.4	39	85	160	130	3.00	0.37	44.71	400	1.2	1.2	80.4	13.2	400.0	36.0	75.0	59.9	13.1	1-7, 11
UV-135	MODINE AIRDALE	CMD24	208/60/1	24.4	27.3	35.0	900	330	0.45	3/4	2300	0.2	2 1/2	80.9	67.0	55.27	53.8	13.3	2.1	44	85	160	133	3.00	0.37	39.85	400	1.2	1.2	80.4	13.2	400.0	36.0	75.0	59.9	13.1	1-6, 8
UV-144	MODINE AIRDALE	CMD24	208/60/1	24.4	27.3	35.0	900	400	0.45	3/4	2300	0.2	2 1/2	65.7	58.8	55.28	54.3	17.3	14.2	39	85	160	130	3.00	0.37	44.71	400	1.2	1.2	80.4	13.2	400.0	36.0	75.0	59.9	13.1	1-6, 8
UV-145	MODINE AIRDALE	CMD24	208/60/1	24.4	27.3	35.0	900	400	0.45	3/4	2300	0.2	2 1/2	80.9	66.2	55.29	53.7	15.2	11.5	39	85	160	130	3.00	0.37	44.71	400	1.2	1.2	80.4	13.2	400.0	36.0	75.0	59.9	13.1	1-6, 8
UV-146	MODINE AIRDALE	CMD24	208/60/1	24.4	27.3	35.0	900	400	0.45	3/4	2300	0.2	2 1/2	65.6	58.8	55.30	54.3	16.4	13.2	39	85	160	130	3.00	0.37	44.71	400	1.2	1.2	80.4	13.2	400.0	36.0	75.0	59.9	13.1	1-6, 8
UV-147	MODINE AIRDALE	CMD24	208/60/1	24.4	27.3	35.0	900	400	0.45	3/4	2300	0.2	2 1/2	80.9	66.5	55.31	53.8	15.8	11.9	39	85	160	130	3.00	0.37	44.71	400	1.2	1.2	80.4	13.2	400.0	36.0	75.0	59.9	13.1	1-6, 8
UV-148	MODINE AIRDALE	CMD24	208/60/1	24.4	27.3	35.0	900	400	0.45	3/4	2300	0.2	2 1/2	65.9	59.0	55.32	54.9	17.2	14.2	39	85	160	130	3.00	0.37	44.71	400	1.2	1.2	80.4	13.2	400.0	36.0	75.0	59.9	13.1	1-6, 8
UV-149	MODINE AIRDALE	CMD24	208/60/1	24.4	27.3	35.0	900	400	0.45	3/4	2300	0.2	2 1/2	80.9	66.7	55.33	53.8	16.9	13.1	39	85	160	130	3.00	0.37	44.71	400	1.2	1.2	80.4	13.2	400.0	36.0	75.0	59.9	13.1	1-6, 8
UV-157	MODINE AIRDALE	CMD24	208/60/1	24.4	27.3	35.0	900	550	0.45	3/4	2300	0.2	2 1/2	80.9	67.2	55.34	53.8	15.6	9.7	27	85	160	122	3.00	0.37	56.38	400	1.2	1.2	80.4	13.2	400.0	36.0	75.0	59.9	13.1	1-6, 8
UV-214	MODINE AIRDALE	CMD24	208/60/1	24.4	27.3	35.0	900	350	0.45	3/4	2300	0.2	2 1/2	73.5	62.4	55.35	54.0	13.4	10.4	43	85	160	133	3.00	0.37	40.82	400	1.2	1.2	80.4	13.2	400.0	36.0	75.0	59.9	13.1	1-6,10
UV-215	MODINE AIRDALE	ZCF750PE	208/60/1	4.2	5.3	15	500	150	0.3	1/2	NOT APPLICABLE			75	63	56.3	52.3	17.7	10.9	49	102	160	131	2.00	0.12	28.79	NO WHEEL										12-14
UV-217	MODINE AIRDALE	CMD36	208/60/1	28.3	32.2	45.0	1100	490	0.45	3/4	2300	0.2	2 1/2	80.9	66.4	55.37	53.7	21.2	16.6	39	85	160	125	3.10	0.37	54.65	490	1.2	1.2	80.9	14.2	490.0	36.0	75.0	59.9	13.1	1-6, 8

REMARKS:

1. PROVIDE FACTORY MOUNTED AND WIRED DISCONNECT.
2. PROVIDE WITH ENTHALPY WHEEL
3. PROVIDE WITH HOT GAS REHEAT.
4. PROVIDE DIRECT DRIVE SUPPLY FAN AND POWERED EXHAUST FAN.
5. PROVIDE WITH INTEGRAL CONDENSING UNIT WITH A MAX OF 46 DBA AT 5 FEET FROM UNIT.
6. PROVIDE WITH TOP EXTENSION AND REAR FILL PANELS.
7. PROVIDE WITH REAR EXTENSION WITH PIPE TUNNEL/CHASE, REAR OUTLET, AND REAR INLET.
8. PROVIDE WITH REAR EXTENSION WITH PIPE TUNNEL/CHASE, REAR OUTLET, AND TOP INLET.
9. PROVIDE AS PART OF BASE BID, OMIT FROM ALTERNATE.
10. PROVIDE WITH REAR EXTENSION WITH PIPE TUNNEL/CHASE, REAR OUTLET, AND REAR INLET reconfiguring to 16/80 louver
11. PROVIDE AS PART OF ALTERNATE, OMIT FROM BASE BID.
12. PROVIDE FACTORY MOUNTED AND WIRED DISCONNECT.
13. LOW SPEED
14. PROVIDE WITH CONDENSING UNIT CU-215
15. PROVIDE WITH REAR EXTENSION WITH SIDE INLET AND SIDE OUTLET.

FAN SCHEDULE

TAG	LOCATION	SERVICE	TYPE	ROOF OPENING (IN.)	CFM	SP IN W.G.	DIAMETER (IN.)	RPM	SPEED CONTROL	ELECTRICAL DATA			TYPICAL UNIT MFG & MODEL NO.	REMARKS:
										BHP / HP	VOLTS	PHASE		
EF-10	ROOF	NURSE EXAM	UPBLAST	13.5 × 13..5	175	0.25	9"	1098	ECM	22 W / 1/6 HP	120	1	LOREN COOK: ACRUD-EC, 90R17DEC	1,2
EF-10[ALT]	ROOF	NURSE EXAM	UPBLAST	13.5 × 13..5	105	0.25	7"	1496	ECM	21 W / 1/20 HP	120	1	LOREN COOK: ACRUD-EC, 70R17DEC	1,3
EF-11	ROOF	NURSE TOILET	DOWNBLAST	13.5 × 13..5	50	0.25	7"	1242	FSC	58 W / 1/20 HP	120	1	LOREN COOK: ACED, 70C15DM	1,2
EF-11[ALT]	ROOF	NURSE TOILET	DOWNBLAST	13.5 × 13..5	50	0.25	7"	1242	FSC	58 W / 1/20 HP	120	1	LOREN COOK: ACED, 70C15DM	1,3
EF-14	ROOF	TOILETS	DOWNBLAST	13.5 × 13..5	200	0.25	9"	1138	FSC	58 W / 1/8 HP	120	1	LOREN COOK: ACED, 90C15DL	1

REMARKS:
1. PROVIDE LOCAL DISCONNECT
2. PROVIDE AS PART OF BASE BID. OMIT FROM ALTERNATE.
3. PROVIDE AS PART OF ALTERNATE. OMIT FROM BASE BID.

LOUVER SCHEDULE

MARK	APPLICATION	MATERIAL	FINISH	DESIGN EQUIPMENT	SIZE	AIRFLOW	CORE AREA	CORE VELOCITY	REMARK
L-1	STATIONARY LOUVER	ALUMINUM	BY ARCH.	RUSKIN ELF375DX	40x16	2300 CFM	2.4 SF	960 FPM	1
L-2	STATIONARY LOUVER	ALUMINUM	BY ARCH.	RUSKIN ELF375DX	40x48	2300 CFM	7.2 SF	640 FPM	1
L-3	STATIONARY LOUVER	ALUMINUM	BY ARCH.	RUSKIN ELF375DX	36x48	3000 CFM	6.3 SF	470 FPM	1
L-5	STATIONARY LOUVER	ALUMINUM	BY ARCH.	RUSKIN ELF375DX	72x30	2800 CFM	8.1 SF	350 FPM	1
L-6	STATIONARY LOUVER	ALUMINUM	BY ARCH.	RUSKIN ELF375DX	16x80	2300 CFM	4.8 SF	960 FPM	1

REMARKS

1. PROVIDED BY THE G.C.

PUMP SCHEDULE

MARK	LOCATION	SERVICE	GPM	HD (FT.)	ELECTRICAL DATA			TYPICAL UNIT MFG & MODEL NO.	REMARKS:
					HP	VOLTS	PH		
P-AHU-3	MACH & STORAGE	HOT WATER	18	15	1/6	120	1	B&G E-Ecocirc XL 36-45	1
P-AHU-4	MACH & STORAGE	HOT WATER	18	15	1/6	120	1	B&G E-Ecocirc XL 36-45	1

REMARKS: 1. PROVIDE DISCONNECT.

REGISTERS, GRILLES, AND DIFFUSERS

TAG	APPLICATION	MATERIAL	FINISH	MANUF.	MODEL	REMARK
RG1	LOUVERED GRILLE	ALUMINUM	WHITE ENAMEL	TITUS	350FL	1
RG2	LOUVERED GRILLE	STEEL	WHITE ENAMEL	TITUS	350RL	2
RG3	LOUVERED WALL GRILLE	STEEL	WHITE ENAMEL	TITUS	350RL	2
RG4	GYM LOUVERED GRILLE	STEEL	WHITE ENAMEL	TITUS	33RFL	3
SG1	3-CONE DIFFUSER	STEEL	WHITE ENAMEL	TITUS	TMS	1
SG3	LOUVERED DOUBLE DEFLECTION GRILLE	ALUMINUM	WHITE ENAMEL	TITUS	272FL	3,4
SG4	LOUVERED DOUBLE DEFLECTION GRILLE	ALUMINUM	WHITE ENAMEL	TITUS	272FL	1,4
SG5	SHAPE DIFFUSER FOR ARMSTRONG CEILING	ALUMINUM	BY ARCH.	PRICE INDUSTRIES	SHP-CS-TRI	1,5
SG6	LOUVERED DOUBLE DEFLECTION GRILLE	ALUMINUM	WHITE ENAMEL	TITUS	300FL	-
LSD1	PLENUM SLOT DIFFUSER HIGH CAPACITY	ALUMINUM	WHITE ENAMEL	TITUS	TBD-30	1,6
LSD2	PLENUM SLOT DIFFUSER HIGH CAPACITY	ALUMINUM	WHITE ENAMEL	TITUS	TBD-10	1,7
TG-1	LOUVERED TRANSFER GRILLE	STEEL	WHITE ENAMEL	TITUS	350RL	-

REMARKS:
1. LAY-IN
2. SURFACE MOUNTED.
3. DUCT MOUNTED. REFER TO DETAILS.
4. INDIVIDUALLY ADJUSTABLE AIRFOIL BLADES.
5. TRIANGULAR SLOT DIFFUSERS
6. 1-SLOT 1" WIDE AND 24" LONG.
7. 2-SLOT 1" WIDE AND 48" LONG.

UNIT HEATER SCHEDULE

MARK	LOCATION	TYPE	CFM	EWT	LWT	OUTPUT MBH	GPM	PRESS. DROP	EAT	LAT	V/PH/HZ	HP	TYPICAL UNIT MFG & MODEL NO.	REMARKS:
CUH-1	CORR C06	CEILING RECESSED	230	160	120	10.8	1	0.06	60	103	120/1/60	1/15	STERLING: RC-1200-04	1
CUH-2	CORR. C08	CEILING RECESSED	185	160	120	8.4	0.5	0.02	60	102	120/1/60	1/15	STERLING: RC-1200-04	1

REMARKS:
1. PROVIDE DISCONNECT.
2. -

REFRIGERATOR UNIT SCHEDULE

MARK	LOCATION	SERVES	DESIGN CAPACITY	DESIGN MANUF.	CONDENSER			LOW PROFILE EVAPORATOR			REMARKS:
					VOLT/Ø	MCA	MODEL	VOLT/Ø	MCA	MODEL	
RU-1	AT GRADE	COOLER	6108 BTUH	BALLY	208-230/1	8.5	BEZA007H8-HS2D	208-230/1	0.8	BLP107MA-S2D	1
RU-2	AT GRADE	FREEZER	6669 BTUH	BALLY	208-230/1	18.4	BEZA020L8-HS2D	208-230/1	1.4	BLP207LE-S2D	1

REMARKS: 1. REFER TO NOTES ON PLANS

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PROJECT INFORMATION

Project Number
13940.20

Client Name
NEWBURGH ENLARGED CITY SCHOOL DISTRICT

Project Name
PHASE 5: 2019 CAPITAL IMPROVEMENTS PROJECT

SED # 44-16-00-01-0-018-009

Project Address
400 Old Forge Hill Rd, New Windsor, NY 12553

REVISION SCHEDULE

#	Date	Description

SHEET INFORMATION

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FIN TUBE RADIATION SCHEDULE

TAG	MANUF. & MODEL	LOCATION	ENCLOSURE					FIN ELEMENT					TIERS	FLUID			CAPACITY (MBH)	REMARKS
			TYPE	DEPTH	HEIGHT	LENGTH	STYLE	FIN LENGTH	MATERIAL	DIA.	FIN SIZE	SPACING FIN/FT		BTU/ HR/FT	EWT/LWT (°F)	GPM		
FT-A-102	STERLING: JVB-S-C3/4-434	RM 102	CU/AL	4.375	20	WALL TO WALL	SLOP TOP	16' - 0"	CO/AL	3/4"	3-5/8"X4-1/4"	50	3/4"	820	160 / 140	1.3	13.1 MBH	1,2,4
FT-A-102C	STERLING: JVB-S-C3/4-434	RM 102C	CU/AL	4.375	20	WALL TO WALL	SLOP TOP	4' - 2"	CO/AL	3/4"	3-5/8"X4-1/4"	50	3/4"	820	160 / 140	0.5	3.4 MBH	1,2,5
FT-A-102D	STERLING: JVB-S-C3/4-434	RM 102D	CU/AL	4.375	20	WALL TO WALL	SLOP TOP	16' - 0"	CO/AL	3/4"	3-5/8"X4-1/4"	50	3/4"	820	160 / 140	1.3	13.1 MBH	1,2,5
FT-A-104	STERLING: JVB-S-C3/4-434	RM 104	CU/AL	4.375	20	WALL TO WALL	SLOP TOP	16' - 0"	CO/AL	3/4"	3-5/8"X4-1/4"	50	3/4"	820	160 / 140	1.3	13.1 MBH	1,2
FT-A-105	STERLING: JVB-S-C3/4-434	RM 105	CU/AL	4.375	20	WALL TO WALL	SLOP TOP	16' - 0"	CO/AL	3/4"	3-5/8"X4-1/4"	50	3/4"	820	160 / 140	1.3	13.1 MBH	1,2
FT-A-106	STERLING: JVB-S-C3/4-434	RM 106	CU/AL	4.375	20	WALL TO WALL	SLOP TOP	16' - 0"	CO/AL	3/4"	3-5/8"X4-1/4"	50	3/4"	820	160 / 140	1.3	13.1 MBH	1,2
FT-A-107	STERLING: JVB-S-C3/4-434	RM 107	CU/AL	4.375	20	WALL TO WALL	SLOP TOP	16' - 0"	CO/AL	3/4"	3-5/8"X4-1/4"	50	3/4"	820	160 / 140	1.3	13.1 MBH	1,2
FT-A-108	STERLING: JVB-S-C3/4-434	RM 108	CU/AL	4.375	20	WALL TO WALL	SLOP TOP	16' - 0"	CO/AL	3/4"	3-5/8"X4-1/4"	50	3/4"	820	160 / 140	1.3	13.1 MBH	1,2
FT-A-109	STERLING: JVB-S-C3/4-434	RM 109	CU/AL	4.375	20	WALL TO WALL	SLOP TOP	16' - 0"	CO/AL	3/4"	3-5/8"X4-1/4"	50	3/4"	820	160 / 140	1.3	13.1 MBH	1,2
FT-A-111	STERLING: JVB-S-C3/4-434	RM 111	CU/AL	4.375	20	WALL TO WALL	SLOP TOP	16' - 0"	CO/AL	3/4"	3-5/8"X4-1/4"	50	3/4"	820	160 / 140	1.3	13.1 MBH	1,2
FT-A-113	STERLING: JVB-S-C3/4-434	RM 113	CU/AL	4.375	20	WALL TO WALL	SLOP TOP	16' - 0"	CO/AL	3/4"	3-5/8"X4-1/4"	50	3/4"	820	160 / 140	1.3	13.1 MBH	1,2
FT-A-115	STERLING: JVB-S-C3/4-434	RM 115	CU/AL	4.375	20	WALL TO WALL	SLOP TOP	16' - 0"	CO/AL	3/4"	3-5/8"X4-1/4"	50	3/4"	820	160 / 140	1.3	13.1 MBH	1,2
FT-A-116	STERLING: JVB-S-C3/4-434	RM 116	CU/AL	4.375	20	WALL TO WALL	SLOP TOP	16' - 0"	CO/AL	3/4"	3-5/8"X4-1/4"	50	3/4"	820	160 / 140	1.3	13.1 MBH	1,2
FT-A-117	STERLING: JVB-S-C3/4-434	RM 117	CU/AL	4.375	20	WALL TO WALL	SLOP TOP	16' - 0"	CO/AL	3/4"	3-5/8"X4-1/4"	50	3/4"	820	160 / 140	1.3	13.1 MBH	1,2
FT-A-118	STERLING: JVB-S-C3/4-434	RM 118	CU/AL	4.375	20	WALL TO WALL	SLOP TOP	16' - 0"	CO/AL	3/4"	3-5/8"X4-1/4"	50	3/4"	820	160 / 140	1.3	13.1 MBH	1,2
FT-A-119	STERLING: JVB-S-C3/4-434	RM 119	CU/AL	4.375	20	WALL TO WALL	SLOP TOP	16' - 0"	CO/AL	3/4"	3-5/8"X4-1/4"	50	3/4"	820	160 / 140	1.3	13.1 MBH	1,2
FT-A-121	STERLING: JVB-S-C3/4-434	RM 121	CU/AL	4.375	20	WALL TO WALL	SLOP TOP	16' - 0"	CO/AL	3/4"	3-5/8"X4-1/4"	50	3/4"	820	160 / 140	1.3	13.1 MBH	1,2
FT-A-123	STERLING: JVB-S-C3/4-434	RM 123	CU/AL	4.375	20	WALL TO WALL	SLOP TOP	16' - 0"	CO/AL	3/4"	3-5/8"X4-1/4"	50	3/4"	820	160 / 140	1.3	13.1 MBH	1,2
FT-A-125	STERLING: JVB-S-C3/4-434	RM 125	CU/AL	4.375	20	WALL TO WALL	SLOP TOP	16' - 0"	CO/AL	3/4"	3-5/8"X4-1/4"	50	3/4"	820	160 / 140	1.3	13.1 MBH	1,2
FT-A-127	STERLING: JVB-S-C3/4-434	RM 127	CU/AL	4.375	20	WALL TO WALL	SLOP TOP	16' - 0"	CO/AL	3/4"	3-5/8"X4-1/4"	50	3/4"	820	160 / 140	1.3	13.1 MBH	1,2
FT-B-128	STERLING: JVB-S-C3/4-434	RM 128	CU/AL	4.375	20	WALL TO WALL	SLOP TOP	20' - 0"	CO/AL	3/4"	3-5/8"X4-1/4"	50	3/4"	820	160 / 140	1.6	16.4 MBH	1,2
FT-A-129	STERLING: JVB-S-C3/4-434	RM 129	CU/AL	4.375	20	WALL TO WALL	SLOP TOP	20' - 0"	CO/AL	3/4"	3-5/8"X4-1/4"	50	3/4"	820	160 / 140	1.6	16.4 MBH	1,2
FT-B-130	STERLING: JVB-S-C3/4-434	RM 125	CU/AL	4.375	20	23' - 6"	SLOP TOP	16' - 0"	CO/AL	3/4"	3-5/8"X4-1/4"	50	3/4"	820	160 / 140	1.3	13.1 MBH	1,3
FT-B-131	STERLING: JVB-S-C3/4-434	RM 131	CU/AL	4.375	20	WALL TO WALL	SLOP TOP	20' - 0"	CO/AL	3/4"	3-5/8"X4-1/4"	50	3/4"	820	160 / 140	1.6	16.4 MBH	1,3
FT-B-132	STERLING: JVB-S-C3/4-434	RM 132	CU/AL	4.375	20	19' - 0"	SLOP TOP	16' - 0"	CO/AL	3/4"	3-5/8"X4-1/4"	50	3/4"	820	160 / 140	1.3	13.1 MBH	1,2
FT-B-133	STERLING: JVB-S-C3/4-434	RM 133	CU/AL	4.375	20	WALL TO WALL	SLOP TOP	20' - 0"	CO/AL	3/4"	3-5/8"X4-1/4"	50	3/4"	820	160 / 140	1.6	16.4 MBH	1,2
FT-B-134[ALT]	STERLING: JVB-S-C3/4-434	RM 134	CU/AL	4.375	20	WALL TO WALL	SLOP TOP	16' - 0"	CO/AL	3/4"	3-5/8"X4-1/4"	50	3/4"	820	160 / 140	1.3	13.1 MBH	1,2, 5
FT-B-135	STERLING: JVB-S-C3/4-434	RM 135	CU/AL	4.375	20	WALL TO WALL	SLOP TOP	12' - 0"	CO/AL	3/4"	3-5/8"X4-1/4"	50	3/4"	820	160 / 140	1.0	9.8 MBH	1,2
FT-B-137A	STERLING: JVB-S-C3/4-434	RM 174	CU/AL	4.375	20	WALL TO WALL	SLOP TOP	6' - 0"	CO/AL	3/4"	3-5/8"X4-1/4"	50	3/4"	820	160 / 140	0.5	4.9 MBH	1,2
FT-B-144	STERLING: JVB-S-C3/4-434	RM 144	CU/AL	4.375	20	WALL TO WALL	SLOP TOP	16' - 0"	CO/AL	3/4"	3-5/8"X4-1/4"	50	3/4"	820	160 / 140	1.3	13.1 MBH	1,2
FT-B-145	STERLING: JVB-S-C3/4-434	RM 145	CU/AL	4.375	20	WALL TO WALL	SLOP TOP	16' - 0"	CO/AL	3/4"	3-5/8"X4-1/4"	50	3/4"	820	160 / 140	1.3	13.1 MBH	1,2
FT-B-146	STERLING: JVB-S-C3/4-434	RM 146	CU/AL	4.375	20	WALL TO WALL	SLOP TOP	16' - 0"	CO/AL	3/4"	3-5/8"X4-1/4"	50	3/4"	820	160 / 140	1.3	13.1 MBH	1,2
FT-B-147	STERLING: JVB-S-C3/4-434	RM 147	CU/AL	4.375	20	WALL TO WALL	SLOP TOP	20' - 0"	CO/AL	3/4"	3-5/8"X4-1/4"	50	3/4"	820	160 / 140	1.6	16.4 MBH	1,2
FT-B-148	STERLING: JVB-S-C3/4-434	RM 148	CU/AL	4.375	20	WALL TO WALL	SLOP TOP	16' - 0"	CO/AL	3/4"	3-5/8"X4-1/4"	50	3/4"	820	160 / 140	1.3	13.1 MBH	1,2
FT-B-149	STERLING: JVB-S-C3/4-434	RM 149	CU/AL	4.375	20	WALL TO WALL	SLOP TOP	20' - 0"	CO/AL	3/4"	3-5/8"X4-1/4"	50	3/4"	820	160 / 140	1.6	16.4 MBH	1,2
FT-B-157	STERLING: JVB-S-C3/4-434	RM 157	CU/AL	4.375	20	WALL TO WALL	SLOP TOP	16' - 0"	CO/AL	3/4"	3-5/8"X4-1/4"	50	3/4"	820	160 / 140	1.3	13.1 MBH	1,2
FT-B-214	STERLING: JVB-S-C3/4-434	RM 214	CU/AL	4.375	20	WALL TO WALL	SLOP TOP	20' - 0"	CO/AL	3/4"	3-5/8"X4-1/4"	50	3/4"	820	160 / 140	1.6	16.4 MBH	1,2
FT-C-217	STERLING: JVB-S-C3/4-434	RM 217	CU/AL	4.375	20	WALL TO WALL	SLOP TOP	32' - 0"	CO/AL	3/4"	3-5/8"X4-1/4"	50	3/4"	820	160 / 140	2.6	26.2 MBH	1,3
FT-C-219	STERLING: JVB-S-C3/4-434	RM 229	CU/AL	4.375	20	WALL TO WALL	SLOP TOP	14' - 0"	CO/AL	3/4"	3-5/8"X4-1/4"	50	3/4"	820	160 / 140	1.1	11.5 MBH	1,2
FT-C-202	STERLING: JVB-S-C3/4-434	RM 230	CU/AL	4.375	20	WALL TO WALL	SLOP TOP	4' - 0"	CO/AL	3/4"	3-5/8"X4-1/4"	50	3/4"	820	160 / 140	0.5	3.3 MBH	1,2
FT-C-203	STERLING: JVB-S-C3/4-434	RM 231	CU/AL	4.375	20	WALL TO WALL	SLOP TOP	6' - 0"	CO/AL	3/4"	3-5/8"X4-1/4"	50	3/4"	820	160 / 140	0.5	4.9 MBH	1,2
FT-C-204	STERLING: JVB-S-C3/4-434	RM 232	CU/AL	4.375	20	8'-0"	SLOP TOP	8' - 0"	CO/AL	3/4"	3-5/8"X4-1/4"	50	3/4"	820	160 / 140	0.7	6.6 MBH	1,3
FT-C-205	STERLING: JVB-S-C3/4-434	RM 233	CU/AL	4.375	20	22'-0"	SLOP TOP	14' - 0"	CO/AL	3/4"	3-5/8"X4-1/4"	50	3/4"	820	160 / 140	1.1	11.5 MBH	1,3
FT-C-206	STERLING: JVB-S-C3/4-434	RM 234	CU/AL	4.375	20	WALL TO WALL	SLOP TOP	5' - 0"	CO/AL	3/4"	3-5/8"X4-1/4"	50	3/4"	820	160 / 140	0.5	4.1 MBH	1,2
FT-C-206A	STERLING: JVB-S-C3/4-434	RM 235	CU/AL	4.375	20	WALL TO WALL	SLOP TOP	4' - 0"	CO/AL	3/4"	3-5/8"X4-1/4"	50	3/4"	820	160 / 140	0.5	3.3 MBH	1,2
FT-C-206B	STERLING: JVB-S-C3/4-434	RM 236	CU/AL	4.375	20	WALL TO WALL	SLOP TOP	4' - 0"	CO/AL	3/4"	3-5/8"X4-1/4"	50	3/4"	820	160 / 140	0.5	3.3 MBH	1,2
FT-C-207B	STERLING: JVB-S-C3/4-434	RM 237	CU/AL	4.375	20	WALL TO WALL	SLOP TOP	4' - 0"	CO/AL	3/4"	3-5/8"X4-1/4"	50	3/4"	820	160 / 140	0.5	3.3 MBH	1,2
FT-C-207C	STERLING: JVB-S-C3/4-434	RM 238	CU/AL	4.375	20	WALL TO WALL	SLOP TOP	4' - 0"	CO/AL	3/4"	3-5/8"X4-1/4"	50	3/4"	820	160 / 140	0.5	3.3 MBH	1,2
FT-C-208	STERLING: JVB-S-C3/4-434	RM 239	CU/AL	4.375	20	WALL TO WALL	SLOP TOP	4' - 0"	CO/AL	3/4"	3-5/8"X4-1/4"	50	3/4"	820	160 / 140	0.5	3.3 MBH	1,2
FT-C-208A	STERLING: JVB-S-C3/4-434	RM 240	CU/AL	4.375	20	WALL TO WALL	SLOP TOP	4' - 0"	CO/AL	3/4"	3-5/8"X4-1/4"	50	3/4"	820	160 / 140	0.5	3.3 MBH	1,2

REMARKS:

1. COLOR TO BE SELECTED BY ARCHITECT
2. PROVIDE WITH WALL TO WALL ENCLOSURE ASSEMBLIES. ACCESSORIES AND MAINTAINANCE ACCESS DOOR.
3. PROVIDE WITH ENCLOSURE ASSEMBLIES, END CAPS, ACCESSORIES AND MAINTAINANCE ACCESS DOOR.
4. PROVIDE AS PART OF BASE BID. OMIT FROM ALTERNATE.
5. PROVIDE AS PART OF ALTERNATE. OMIT FROM BASE BID.

DAMPER SCHEDULE

MARK	LOCATION	SERVICE	DUCT PRESSURE CLASS (IN WG)	SIZE W&H(IN)	TYPICAL UNIT MFG. & MODEL NO.	REMARKS:
FD-1	CASEWORKERS OFFICE	RTU-1/RHC-7 SA	-	10/10	-	-
FD-2	CASEWORKERS OFFICE	RTU-1 RA	-	10/12	-	-
F/SD-3	MUSIC [4] & MEN'S TLT[172]	RTU-1/RHC-6 SA	-	8/8	-	-
F/SD-4	MUSIC [4] & CORRIDOR	RTU-1/RHC-6 SA	-	10/10	-	-
FD-5	MUSIC [4] & CORRIDOR	RTU-1 SA	-	12/9	-	-
FD-6	MUSIC [4] & CORRIDOR	RTU-1 SA	-	18/12	-	-
FD-7	VOCAL [5] & CORRIDOR	RTU-1 SA	-	18/12	-	-
FD-8	ENL SUITE [6] & CORRIDOR	RTU-1 RA	-	16/16	-	-
FD-9	PSYCH. SUITE [7] & CORRIDOR	RTU-1 RA	-	6/6	-	-
FD-10	PSYCH. SUITE [7] & CORRIDOR	RTU-1 RA	-	32/16	-	-
FD-11	PSYCH. SUITE [7] & CORRIDOR	RTU-1 SA	-	24/14	-	-
FD-12	SPEECH SUITE [8] & CORRIDOR	RTU-1 RA	-	10/10	-	-
FD/SD-13	SPEECH SUITE [8] & CORRIDOR	RTU-1 SA	-	12/10	-	-
FD-14	CAF & KITCHEN	KITCHEN TA	-	30/18	-	-
FD-15	CAF & KITCHEN	KITCHEN TA	-	30/18	-	-

REMARKS:

1. PROVIDE AS PART OF ALTERNATE. OMIT FROM BASE BID.
2. PROVIDE AS PART OF BASE BID. OMIT FROM ALTERNATE.
3. -

CONVECTOR SCHEDULE

MARK	MBH	LENGTH	HEIGHT	DEPTH	GPM	TYPICAL UNIT MFG & MODEL NO.	REMARKS
CONV-1	2.15	40"	20"	4 13/16"	0.22	STERLING: PWG-A 436-20	1,2,3
CONV-2	2.15	40"	20"	4 13/16"	0.22	STERLING: PWG-A 436-20	1,2,3

REMARKS:

1. PARTIAL WALL RECESSED WITH FRONT INLET AND OUTLET LOUVERS
2. 150° AWT
3. PROVIDE WITH ACCESS DOORS AND END POCKET.

CONTROL VALVE SCHEDULE

TAG	SERVES	TYPE	FLOW (GPM)	REMARKS
TCV-AHU-1	AHU-1	2-WAY	18.0	-
TCV-AHU-2	AHU-2	2-WAY	18.0	-
TCV-AHU-3	AHU-3	2-WAY	21.5	-
TCV-AHU-4	AHU-4	2-WAY	21.5	-
TCV-CONV-1	CONV-1	2-WAY	0.2	-
TCV-CONV-2	CONV-2	2-WAY	0.2	-
TCV-CUH-1	CUH-1	2-WAY	1.0	-
TCV-CUH-2	CUH-2	2-WAY	0.5	-
TCV-FC-1	FC-1	2-WAY	2.9	-
TCV-FC-2	FC-2	2-WAY	1.7	-
TCV-FC-3	FC-3	2-WAY	1.9	-
TCV-FT-A-102	FT-A-102	2-WAY	1.3	2
TCV-FT-A-102C	FT-A-102C	2-WAY	0.5	1
TCV-FT-A-102D	FT-A-102D	2-WAY	1.3	1
TCV-FT-A-104	FT-A-104	2-WAY	1.3	-
TCV-FT-A-105	FT-A-105	2-WAY	1.3	-
TCV-FT-A-106	FT-A-106	2-WAY	1.3	-
TCV-FT-A-107	FT-A-107	2-WAY	1.3	-
TCV-FT-A-108	FT-A-108	2-WAY	1.3	-
TCV-FT-A-109	FT-A-109	2-WAY	1.3	-
TCV-FT-A-111	FT-A-111	2-WAY	1.3	-
TCV-FT-A-113	FT-A-113	2-WAY	1.3	-
TCV-FT-A-115	FT-A-115	2-WAY	1.3	-
TCV-FT-A-116	FT-A-116	2-WAY	1.3	-
TCV-FT-A-117	FT-A-117	2-WAY	1.3	-
TCV-FT-A-118	FT-A-118	2-WAY	1.3	-
TCV-FT-A-119	FT-A-119	2-WAY	1.3	-
TCV-FT-A-121	FT-A-121	2-WAY	1.3	-
TCV-FT-A-123	FT-A-123	2-WAY	1.3	-
TCV-FT-A-125	FT-A-125	2-WAY	1.3	-
TCV-FT-A-127	FT-A-127	2-WAY	1.3	-
TCV-FT-B-128	FT-B-128	2-WAY	1.6	-
TCV-FT-A-129	FT-A-129	2-WAY	1.6	-
TCV-FT-B-130	FT-B-130	2-WAY	1.3	-
TCV-FT-B-131	FT-B-131	2-WAY	1.6	-
TCV-FT-B-132	FT-B-132	2-WAY	1.3	-
TCV-FT-B-133	FT-B-133	2-WAY	1.6	-
TCV-FT-B-134[ALT]	FT-B-134[ALT]	2-WAY	1.3	1
TCV-FT-B-135	FT-B-135	2-WAY	1.0	-
TCV-FT-B-137A	FT-B-137A	2-WAY	0.5	-
TCV-FT-B-144	FT-B-144	2-WAY	1.3	-
TCV-FT-B-145	FT-B-145	2-WAY	1.3	-
TCV-FT-B-146	FT-B-146	2-WAY	1.3	-
TCV-FT-B-147	FT-B-147	2-WAY	1.6	-
TCV-FT-B-148	FT-B-148	2-WAY	1.3	-
TCV-FT-B-149	FT-B-149	2-WAY	1.6	-
TCV-FT-B-157	FT-B-157	2-WAY	1.3	-
TCV-FT-B-214	FT-B-214	2-WAY	1.6	-
TCV-FT-C-217	FT-C-217	2-WAY	1.3	-
TCV-FT-C-217	FT-C-217	2-WAY	1.3	-
TCV-FT-C-219	FT-C-219	2-WAY	1.1	-
TCV-FT-C-202	FT-C-202	2-WAY	0.5	-
TCV-FT-C-203	FT-C-203	2-WAY	0.5	-
TCV-FT-C-204	FT-C-204	2-WAY	0.7	-
TCV-FT-C-205	FT-C-205	2-WAY	1.1	-
TCV-FT-C-206	FT-C-206	2-WAY	1.6	-
TCV-FT-C-206A	FT-C-206A	2-WAY	2.6	-
TCV-FT-C-206B	FT-C-206B	2-WAY	0.7	-
TCV-FT-C-207B	FT-C-207B	2-WAY	0.7	-
TCV-FT-C-207C	FT-C-207C	2-WAY	0.7	-
TCV-FT-C-208	FT-C-208	2-WAY	1.1	-
TCV-FT-C-208A	FT-C-208A	2-WAY	0.5	-
TCV-RHC-1	RHC-1	2-WAY	0.7	-
TCV-RHC-2	RHC-2	2-WAY	0.7	-
TCV-RHC-3	RHC-3	2-WAY	0.5	-
TCV-RHC-4	RHC-4	2-WAY	1.7	-
TCV-RHC-5	RHC-5	2-WAY	1.7	-
TCV-RHC-6	RHC-6	2-WAY	1.0	-
TCV-RHC-7	RHC-7	2-WAY	0.7	-
TCV-UV-102[ALT]	UV-102[ALT]	2-WAY	3.0	1
TCV-UV-102	UV-102	2-WAY	3.0	2
TCV-UV-104	UV-104	2-WAY	3.0	-
TCV-UV-105	UV-105	2-WAY	3.0	-
TCV-UV-106	UV-106	2-WAY	3.0	-
TCV-UV-107	UV-107	2-WAY	3.0	-
TCV-UV-108	UV-108	2-WAY	3.0	-
TCV-UV-109	UV-109	2-WAY	3.0	-
TCV-UV-111	UV-111	2-WAY	3.0	1
TCV-UV-113	UV-113	2-WAY	3.0	-
TCV-UV-115	UV-115	2-WAY	3.0	-
TCV-UV-116	UV-116	2-WAY	3.0	-
TCV-UV-117	UV-117	2-WAY	3.0	-
TCV-UV-118	UV-118	2-WAY	3.0	-
TCV-UV-119	UV-119	2-WAY	3.0	-
TCV-UV-121	UV-121	2-WAY	3.0	-
TCV-UV-123	UV-123	2-WAY	3.0	-
TCV-UV-125	UV-125	2-WAY	3.0	-
TCV-UV-127	UV-127	2-WAY	3.0	-
TCV-UV-128	UV-128	2-WAY	3.1	-
TCV-UV-129	UV-129	2-WAY	3.0	-
TCV-UV-130	UV-130	2-WAY	3.0	-
TCV-UV-131	UV-131	2-WAY	3.0	-
TCV-UV-132	UV-132	2-WAY	3.0	-
TCV-UV-133	UV-133	2-WAY	3.0	-
TCV-UV-134[ALT]	UV-134[ALT]	2-WAY	3.0	1
TCV-UV-134	UV-134	2-WAY	3.0	2
TCV-UV-135	UV-135	2-WAY	3.0	-
TCV-UV-144	UV-144	2-WAY	3.0	-
TCV-UV-145	UV-145	2-WAY	3.0	-
TCV-UV-146	UV-146	2-WAY	3.0	-
TCV-UV-147	UV-147	2-WAY	3.0	-
TCV-UV-148	UV-148	2-WAY	3.0	-
TCV-UV-149	UV-149	2-WAY	3.0	-
TCV-UV-157	UV-157	2-WAY	3.0	-
TCV-UV-214	UV-214	2-WAY	3.0	-
TCV-UV-215	UV-215	2-WAY	2.0	-
TCV-UV-217	UV-217	2-WAY	3.1	-

REMARKS:

1. PROVIDE AS PART OF ALTERNATE. OMIT FROM BASE BID.
2. PROVIDE AS PART OF BASE BID. OMIT FROM ALTERNATE.

AIR INTAKE GRAVITY VENTILATOR AND AIR RELIEF GRAVITY VENTILATOR SCHEDULE

TAG	MANUF.	MODEL	THROAT SIZE		HOOD SIZE		FREE AREA SF	HOOD VEL. (FPM)	FLOW (CFM)	AIR PD (INWG)	REMARKS
			H (IN)	W (IN)	H (IN)	W (IN)					
IV-1	LOREN COOK	12x12 GI	12	12	31	27	3.0	176	200	0.017	1
IV-2	LOREN COOK	12x12 GI	12	12	31	27	3.0	97	110	0.017	1
IV-3	LOREN COOK	12x12 GI	12	12	31	27	3.0	114	130	0.017	1
IV-116	LOREN COOK	12x18GI	18	24	36	36	6.0	383	2300	0.073	1
IV-132	LOREN COOK	12x18GI	18	24	36	36	6.0	383	2300	0.073	1
IV-133	LOREN COOK	12x18GI	18	24	36	36	6.0	383	2300	0.073	1
IV-135	LOREN COOK	12x18GI	18	24	36	36	6.0	383	2300	0.073	1
IV-144	LOREN COOK	12x18GI	18	24	36	36	6.0	383	2300	0.073	1
IV-145	LOREN COOK	12x18GI	18	24	36	36	6.0	383	2300	0.073	1
IV-146	LOREN COOK	12x18GI	18	24	36	36	6.0	383	2300	0.073	1
IV-147	LOREN COOK	12x18GI	18	24	36	36	6.0	383	2300	0.073	1
IV-148	LOREN COOK	12x18GI	18	24	36	36	6.0	383	2300	0.073	1
IV-149	LOREN COOK	12x18GI	18	24	36	36	6.0	383	2300	0.073	1
IV-157	LOREN COOK	12x18GI	18	24	36	36	6.0	383	2300	0.073	1
IV-215	LOREN COOK	12x12 GI	12	12	31	27	3.0	176	200	0.017	1
IV-217	LOREN COOK	12x18GI	18	24	36	36	6.0	383	2300	0.073	1
RV-1	LOREN COOK	12x12 GR	12	12	31	27	3.0	176	200	0.017	1
RV-2	LOREN COOK	12x12 GR	12	12	31	27	3.0	97	110	0.017	1
RV-3	LOREN COOK	12x12 GR	12	12	31	27	3.0	114	130	0.017	1
RV-215	LOREN COOK	12x18GR	18	24	36	36	6.0	383	200	0.073	1

REMARKS:

1.PROVIDE WITH CURB
2. -

CPL | Architecture Engineering Planning
50 FRONT ST. SUITE 102
NEWBURGH, NY 12550
CPLteam.com

PROJECT INFORMATION

Project Number
13940.20

Client Name
NEWBURGH ENLARGED CITY SCHOOL DISTRICT

Project Name
PHASE 5: 2019 CAPITAL IMPROVEMENTS PROJECT

SED # 44-16-00-01-0-018-009

Project Address
400 Old Forge Hill Rd, New Windsor, NY 12553

REVISION SCHEDULE

#	Date	Description

STATE OF NEW YORK — JASON M. WALT — LICENSED PROFESSIONAL ENGINEER

SHEET INFORMATION

Issued
03/05/21
BID SUBMISSION

Drawn By: ACS
Checked By: EM

Drawing Title
HVAC SCHEDULES

VG
H902

9/23/2021 5:54:24 P.M. S:\Projects\Newburgh ECSD\Vails Gate ES Addtn & Reno\D Design\08 CAD\Revit\CENTRAL FILES

VENTILATION SCHEDULE (SINGLE ZONE)

SPACE NAME	OCCUPANCY CLASSIFICATION	HVAC SYSTEM	MIN. SUPPLY AIR (CFM) Vpz	FLOOR AREA (SQ FT) Az	OCCUPANCY DENSITY (PEOPLE PER 1000 SF)	OCCUPANCY Pz	OUTDOOR AIR RATE (CFM/PERSON) Rp	OUTDOOR AIR RATE (CFM/SQ FT) Ra	AIR DISTRIBUTION EFFECTIVENESS Ez	BREATHING ZONE OUTDOOR AIR (CFM) Vbz	ZONE OUTDOOR AIRFLOW (CFM) Voz
102 - CLASSROOM	**CLASSROOM**	**UV-102**	**800**	**804**	**37.3**	**30**	**10**	**0.12**	**1**	**396**	**396**
104 - 5TH GRADE CLASSROOM	**CLASSROOM**	**UV-104**	**800**	**767**	**39.1**	**30**	**10**	**0.12**	**1**	**392**	**392**
105 - 5TH GRADE CLASSROOM	**CLASSROOM**	**UV-105**	**800**	**773**	**38.8**	**30**	**10**	**0.12**	**1**	**393**	**393**
106 - 5TH GRADE CLASSROOM	**CLASSROOM**	**UV-106**	**800**	**771**	**38.9**	**30**	**10**	**0.12**	**1**	**393**	**393**
107 - 4TH GRADE CLASSROOM	**CLASSROOM**	**UV-107**	**800**	**771**	**38.9**	**30**	**10**	**0.12**	**1**	**393**	**393**
108 - 4TH GRADE CLASSROOM	**CLASSROOM**	**UV-108**	**800**	**771**	**38.9**	**30**	**10**	**0.12**	**1**	**393**	**393**
109 - 12:1:1	**CLASSROOM**	**UV-109**	**800**	**810**	**37.0**	**30**	**10**	**0.12**	**1**	**397**	**397**
111 - 4TH GRADE CLASSROOM	**CLASSROOM**	**UV-111**	**800**	**774**	**38.8**	**30**	**10**	**0.12**	**1**	**393**	**393**
113 - 4TH GRADE CLASSROOM	**CLASSROOM**	**UV-113**	**800**	**772**	**38.9**	**30**	**10**	**0.12**	**1**	**393**	**393**
115 - SPEC. ED 3RD & 4TH 12:1:1	**CLASSROOM**	**UV-115**	**800**	**772**	**38.9**	**30**	**10**	**0.12**	**1**	**393**	**393**
116 - 3RD GRADE CLASSROOM	**CLASSROOM**	**UV-116**	**800**	**775**	**38.7**	**30**	**10**	**0.12**	**1**	**393**	**393**
117 - 3RD GRADE CLASSROOM	**CLASSROOM**	**UV-117**	**800**	**772**	**38.9**	**30**	**10**	**0.12**	**1**	**393**	**393**
118 - 3RD GRADE CLASSROOM	**CLASSROOM**	**UV-118**	**800**	**773**	**38.8**	**30**	**10**	**0.12**	**1**	**393**	**393**
119 - 3RD GRADE CLASSROOM	**CLASSROOM**	**UV-119**	**800**	**772**	**38.9**	**30**	**10**	**0.12**	**1**	**393**	**393**
121 - 2ND GRADE CLASSROOM	**CLASSROOM**	**UV-121**	**800**	**772**	**38.9**	**30**	**10**	**0.12**	**1**	**393**	**393**
123 - 2ND GRADE CLASSROOM	**CLASSROOM**	**UV-123**	**800**	**772**	**38.9**	**30**	**10**	**0.12**	**1**	**393**	**393**
125 - 2ND GRADE CLASSROOM	**CLASSROOM**	**UV-125**	**800**	**771**	**38.9**	**30**	**10**	**0.12**	**1**	**393**	**393**
127 - 2ND GRADE CLASSROOM	**CLASSROOM**	**UV-127**	**800**	**771**	**38.9**	**30**	**10**	**0.12**	**1**	**393**	**393**
128 - ART ROOM	**ART CLASSROOM**	**UV-128**	**800**	**811**	**37.0**	**30**	**10**	**0.18**	**1**	**446**	**446**
129 - SPEC. ED 12:1:1	**CLASSROOM**	**UV-129**	**800**	**832**	**36.1**	**30**	**10**	**0.12**	**1**	**400**	**400**
130 - SCIENCE	**CLASSROOM**	**UV-130**	**800**	**764**	**39.3**	**30**	**10**	**0.12**	**1**	**392**	**392**
131 - 12:1:1	**CLASSROOM**	**UV-131**	**800**	**785**	**38.2**	**30**	**10**	**0.12**	**1**	**394**	**394**
132 - SCIENCE	**CLASSROOM**	**UV-132**	**800**	**797**	**37.6**	**30**	**10**	**0.12**	**1**	**396**	**396**
133 - 1ST GRADE	**CLASSROOM**	**UV-133**	**800**	**781**	**38.4**	**30**	**10**	**0.12**	**1**	**394**	**394**
134 - 1ST GRADE	**CLASSROOM**	**UV-134[ALT]**	**800**	**781**	**38.4**	**30**	**10**	**0.12**	**1**	**394**	**394**
137 - AIS INTERVENTIONS	**CLASSROOM**	**(E)UV-137**	**800**	**214**	**42.1**	**9**	**10**	**0.12**	**0.8**	**116**	**145**
144 - 1ST GRADE CLASSROOM	**CLASSROOM**	**UV-144**	**800**	**793**	**37.8**	**30**	**10**	**0.12**	**1**	**395**	**395**
145 - 1ST GRADE CLASSROOM	**CLASSROOM**	**UV-145**	**800**	**718**	**41.8**	**30**	**10**	**0.12**	**1**	**386**	**386**
146 - KINDERGARTEN	**CLASSROOM**	**UV-146**	**800**	**793**	**37.8**	**30**	**10**	**0.12**	**1**	**395**	**395**
147 - 1ST GRADE CLASSROOM	**CLASSROOM**	**UV-147**	**800**	**775**	**38.7**	**30**	**10**	**0.12**	**1**	**393**	**393**
148 - KINDERGARTEN	**CLASSROOM**	**UV-148**	**800**	**785**	**38.2**	**30**	**10**	**0.12**	**1**	**394**	**394**
149 - KINDERGARTEN	**CLASSROOM**	**UV-149**	**800**	**829**	**36.2**	**30**	**10**	**0.12**	**1**	**399**	**399**
157 - KINDERGARTEN	**CLASSROOM**	**UV-157**	**800**	**1,042**	**40.3**	**42**	**10**	**0.12**	**1**	**545**	**545**
214 - TEACHER'S ROOM	**OFFICE**	**UV-214**	**800**	**554**	**5.4**	**3**	**5**	**0.06**	**0.8**	**48**	**60**
215 - READING ROOM	**CLASSROOM**	**UV-215**	**750**	**229**	**39.3**	**9**	**10**	**0.12**	**0.8**	**117**	**147**
CORRIDOR	**CORRIDOR**	**FC-1**	**400**	**3,319**	**-**	**-**	**5**	**0.06**	**0.8**	**199**	**249**
CORRIDOR	**CORRIDOR**	**FC-2**	**400**	**1,801**	**-**	**-**	**5**	**0.06**	**0.8**	**108**	**135**
CORRIDOR	**CORRIDOR**	**FC-3**	**400**	**2,122**	**-**	**-**	**5**	**0.06**	**0.8**	**127**	**159**

REMARKS:

1. BASED ON 2020 MECHANICAL CODE OF NYS (IMC 2018)
2. REFER TO EXHAUST SCHEDULE FOR ADDITIONAL REQUIREMENTS FOR ART ROOM 128.

MULTISPACE VENTILATION SCHEDULE

SPACE NAME	OCCUPANCY CLASSIFICATION	HVAC SYSTEM	MIN. SUPPLY AIR (CFM) Vpz	FLOOR AREA (SQ FT) Az	OCCUPANCY DENSITY (PEOPLE PER 1000 SF)	OCCUPANCY Pz	OUTDOOR AIR RATE (CFM/PERSON) Rp	OUTDOOR AIR RATE (CFM/SQ FT) Ra	AIR DISTRIBUTION EFFECTIVENESS Ez	BREATHING ZONE OUTDOOR AIR (CFM) Vbz	ZONE OUTDOOR AIRFLOW (CFM) Voz	UNIT UNCORRECTED OUTDOOR AIR (CFM) Vou	PRIMARY OUTDOOR AIR FRACTION Zp	SYSTEM VENTILATION EFFICIENCY Ev	UNIT MINIMUM CODE OCCUPIED OA Vot
101 - GYMNASIUM	**GYM**	**AHU-1 & AHU-2**	**5,000**	**4,000**	**7.50**	**30**	**20**	**0.18**	**0.8**	**1,320**	**1,650**	**-**	**-**	**-**	**-**
102 - NURSE'S SUITE	**OFFICE**	**UV-102[ALT]**	**190**	**354**	**5.65**	**2**	**5**	**0.06**	**0.8**	**31**	**39**	**72**	**0.21**	**0.94**	**77**
102B - EXAM	**OFFICE**	**UV-102[ALT]**	**69**	**70**	**14.29**	**1**	**5**	**0.06**	**0.8**	**9**	**12**	**72**	**0.17**	**0.98**	**77**
102C - EXAM	**OFFICE**	**UV-102[ALT]**	**116**	**133**	**7.52**	**1**	**5**	**0.06**	**0.8**	**13**	**16**	**72**	**0.14**	**1.00**	**77**
102D - EXAM	**OFFICE**	**UV-102[ALT]**	**186**	**69**	**14.49**	**1**	**5**	**0.06**	**0.8**	**9**	**11**	**72**	**0.06**	**1.00**	**77**
102E - OFFICE	**OFFICE**	**UV-102[ALT]**	**140**	**78**	**12.82**	**1**	**5**	**0.06**	**0.8**	**10**	**12**	**72**	**0.09**	**1.00**	**77**
134 - HEALTH	**OFFICE**	**UV-134**	**150**	**192**	**5.21**	**1**	**5**	**0.06**	**0.8**	**17**	**21**	**67**	**0.14**	**1.00**	**67**
134A - EXAM	**OFFICE**	**UV-134**	**150**	**129**	**7.75**	**1**	**5**	**0.06**	**0.8**	**13**	**16**	**67**	**0.11**	**1.00**	**67**
134B - NURSE'S SUITE	**OFFICE**	**UV-134**	**300**	**264**	**7.58**	**2**	**5**	**0.06**	**0.8**	**26**	**32**	**67**	**0.11**	**1.00**	**67**
134C - EXAM	**OFFICE**	**UV-134**	**150**	**118**	**8.47**	**1**	**5**	**0.06**	**0.8**	**12**	**15**	**67**	**0.10**	**1.00**	**67**
135 - AIS INTERVENTIONS	**CLASSROOM**	**UV- 13**	**700**	**420**	**40.48**	**17**	**10**	**0.12**	**0.8**	**220**	**276**	**361**	**0.39**	**0.76**	**475**
135A - ST	**CLASSROOM**	**UV- 13**	**200**	**127**	**7.87**	**1**	**10**	**0.12**	**0.8**	**25**	**32**	**361**	**0.16**	**0.99**	**475**
137 - AIS INTERVENTIONS	**CLASSROOM**	**UV- 13**	**900**	**214**	**42.06**	**9**	**10**	**0.12**	**0.8**	**116**	**145**	**361**	**0.16**	**0.99**	**475**

REMARKS:

1. BASED ON 2020 MECHANICAL CODE OF NYS (IMC 2018)

EXHAUST SCHDULE

SPACE	UNIT	AREA (SF)	REQUIRED FLOW RATE (CFM/SF)	EXHAUST FLOW (CFM)
128 - ART ROOM	**UV-128**	**811**	**0.7**	**568**
164 - KITCHEN	**UV-164**	**979**	**0.7**	**685**

VENTILATION SCHEDULE (APPENDEX A)

SPACE NAME	OCCUPANCY CLASSIFICATION	HVAC SYSTEM	MIN. SUPPLY AIR (CFM) Vpz	FLOOR AREA (SQ FT) Az	OCCUPANCY DENSITY (PEOPLE PER 1000 SF)	OCCUPANCY Pz	OUTDOOR AIR RATE (CFM/PERSON) Rp	OUTDOOR AIR RATE (CFM/SQ FT) Ra	AIR DISTRIBUTION EFFECTIVENESS Ez	BREATHING ZONE OUTDOOR AIR (CFM) Vbz	ZONE OUTDOOR AIRFLOW (CFM) Voz	UNIT UNCORRECTED OUTDOOR AIR (CFM) Vou	PRIMARY OUTDOOR AIR FRACTION Zp	UNIT SUPPLY AIR (CFM) *Vps= ∑ Vpz*	VENTILATION EFFICIENCY PRE NYS *Ev=1-Vou/Vps-Voz/Vdz*	VENTILATION EFFICIENCY PRE APPENDIX A *Ev=-Zp+1.15*	UNIT MINIMUM CODE OCCUPIED OUTDOOR AIR (CFM) *Vot = Vou / Min(Ev)*
160 - STAGE	**STAGE**	**AHU-3 & AHU-4**	**719**	**755**	**70.2**	**53**	**10**	**0.06**	**0.8**	**575**	**719**	**4,531**	**1.00**	**5,934**	**0.30**	**0.76**	**5,934**
160 - CAFETORIUM	**CAFATERIA**	**AHU-3 & AHU-4**	**4,615**	**3,969**	**100.0**	**397**	**7.5**	**0.18**	**0.8**	**3,692**	**4,615**	**4,531**	**1.00**	**5,934**	**0.30**	**0.76**	**5,934**
164 - KITCHEN	**KITCHEN**	**AHU-3 & AHU-4**	**600**	**951**	**20.0**	**20**	**7.5**	**0.12**	**0.8**	**264**	**330**	**4,531**	**0.55**	**5,934**	**0.60**	**1.21**	**5,934**
217 - LIBRARY	**LIBRARY**	**UV- 21**	**690**	**1,003**	**10.0**	**11**	**5.0**	**0.12**	**1.0**	**175**	**175**	**364**	**0.25**	**1,100**	**0.90**	**1.08**	**487**
217A - MEDIA	**CLASSROOM**	**UV- 21**	**310**	**345**	**40.0**	**14**	**10.0**	**0.12**	**1.0**	**181**	**181**	**364**	**0.58**	**1,100**	**0.57**	**0.75**	**487**
217B - STORAGE	**STORAGE**	**UV- 21**	**100**	**126**	**-**	**-**	**5.0**	**0.06**	**0.8**	**8**	**9**	**364**	**0.09**	**1,100**	**1.00**	**1.24**	**487**
201 - CUST./REC.	**OFFICE**	**RTU-1**	**90**	**164**	**6.1**	**1**	**5**	**0.06**	**0.8**	**15**	**19**	**1,021**	**0.21**	**3,920**	**0.94**	**1.05**	**1,405**
202 - RESOURCE	**CLASSROOM**	**RTU-1**	**130**	**85**	**47.1**	**4**	**10**	**0.12**	**0.8**	**50**	**63**	**1,021**	**0.48**	**3,920**	**0.67**	**0.78**	**1,405**
203 - CASEWORKER	**OFFICE**	**RTU-1**	**170**	**85**	**11.8**	**1**	**5**	**0.06**	**0.8**	**10**	**13**	**1,021**	**0.08**	**3,920**	**1.00**	**1.18**	**1,405**
204 - MUSIC	**CLASSROOM**	**RTU-1**	**920**	**764**	**39.3**	**30**	**10**	**0.12**	**0.8**	**392**	**490**	**1,021**	**0.53**	**3,920**	**0.62**	**0.73**	**1,405**
204A - STORAGE	**STORAGE**	**RTU-1**	**50**	**71**	**-**	**-**	**-**	**0.06**	**0.8**	**4**	**5**	**1,021**	**0.10**	**3,920**	**1.00**	**1.16**	**1,405**
205 - VOCAL	**CLASSROOM**	**RTU-1**	**920**	**770**	**39.0**	**30**	**10**	**0.12**	**0.8**	**392**	**491**	**1,021**	**0.53**	**3,920**	**0.62**	**0.73**	**1,405**
205A - STORAGE	**STORAGE**	**RTU-1**	**50**	**71**	**-**	**-**	**-**	**0.06**	**0.8**	**4**	**5**	**1,021**	**0.10**	**3,920**	**1.00**	**1.16**	**1,405**
206 - ENL SUITE	**OFFICE**	**RTU-1**	**180**	**279**	**7.2**	**2**	**5**	**0.06**	**0.8**	**27**	**33**	**1,021**	**0.18**	**3,920**	**0.97**	**1.08**	**1,405**
206A - ENL	**OFFICE**	**RTU-1**	**115**	**102**	**9.8**	**1**	**5**	**0.06**	**0.8**	**11**	**14**	**1,021**	**0.12**	**3,920**	**1.00**	**1.14**	**1,405**
206B - ENL	**OFFICE**	**RTU-1**	**115**	**101**	**9.9**	**1**	**5**	**0.06**	**0.8**	**11**	**14**	**1,021**	**0.12**	**3,920**	**1.00**	**1.14**	**1,405**
207 - PSY. SUITE	**OFFICE**	**RTU-1**	**85**	**129**	**7.8**	**1**	**5**	**0.06**	**0.8**	**13**	**16**	**1,021**	**0.19**	**3,920**	**0.96**	**1.07**	**1,405**
207A - MEDITATION	**OFFICE**	**RTU-1**	**60**	**72**	**13.9**	**1**	**5**	**0.06**	**0.8**	**9**	**12**	**1,021**	**0.20**	**3,920**	**0.95**	**1.06**	**1,405**
207B - PSY. OFFICE	**OFFICE**	**RTU-1**	**115**	**85**	**11.8**	**1**	**5**	**0.06**	**0.8**	**10**	**13**	**1,021**	**0.11**	**3,920**	**1.00**	**1.15**	**1,405**
207C - PSY. OFFICE	**OFFICE**	**RTU-1**	**115**	**85**	**11.8**	**1**	**5**	**0.06**	**0.8**	**10**	**13**	**1,021**	**0.11**	**3,920**	**1.00**	**1.15**	**1,405**
208 - SPEECH SUITE	**OFFICE**	**RTU-1**	**160**	**129**	**7.8**	**1**	**5**	**0.06**	**0.8**	**13**	**16**	**1,021**	**0.10**	**3,920**	**1.00**	**1.16**	**1,405**
208A - SPEECH OFFICE	**OFFICE**	**RTU-1**	**115**	**85**	**11.8**	**1**	**5**	**0.06**	**0.8**	**10**	**13**	**1,021**	**0.11**	**3,920**	**1.00**	**1.15**	**1,405**
ADDITION VESTIULE	**CORRIDOR**	**RTU-1**	**50**	**55**	**-**	**-**	**-**	**0.06**	**0.8**	**3**	**4**	**1,021**	**0.08**	**3,920**	**1.00**	**1.18**	**1,405**
ADDITION CORRIDOR	**CORRIDOR**	**RTU-1**	**310**	**594**	**-**	**-**	**-**	**0.06**	**0.8**	**36**	**45**	**1,021**	**0.15**	**3,920**	**1.00**	**1.12**	**1,405**
159 - EXISTING TOILET	**TOILET**	**RTU-1**	**85**	**137**	**-**	**-**	**-**	**-**	**0.8**	**0**	**-**	**1,021**	**-**	**3,920**	**1.00**	**1.26**	**1,405**
161 - EXISTING TOILET	**TOILET**	**RTU-1**	**85**	**131**	**-**	**-**	**-**	**-**	**0.8**	**0**	**-**	**1,021**	**-**	**3,920**	**1.00**	**1.26**	**1,405**

REMARKS:

1. BASED ON 2020 MECHANICAL CODE OF NYS (IMC 2018)
2. THE SYSTEM VENTILATION EFFICIENCY (Ev) SHALL BE DETERMINED USING TABLE 403.3.1.1.2.3.2 OR APPENDIX A OF ASHRAE 62.1.

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NEWBURGH, NY 12550
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PROJECT INFORMATION

Project Number
13940.20

Client Name
NEWBURGH ENLARGED CITY SCHOOL DISTRICT

Project Name
PHASE 5: 2019 CAPITAL IMPROVEMENTS PROJECT

SED # 44-16-00-01-0-018-009

Project Address
400 Old Forge Hill Rd, New Windsor, NY 12553

REVISION SCHEDULE

#	Date	Description

STATE OF NEW YORK — DANIEL J. MAT — LICENSED PROFESSIONAL ENGINEER

SHEET INFORMATION

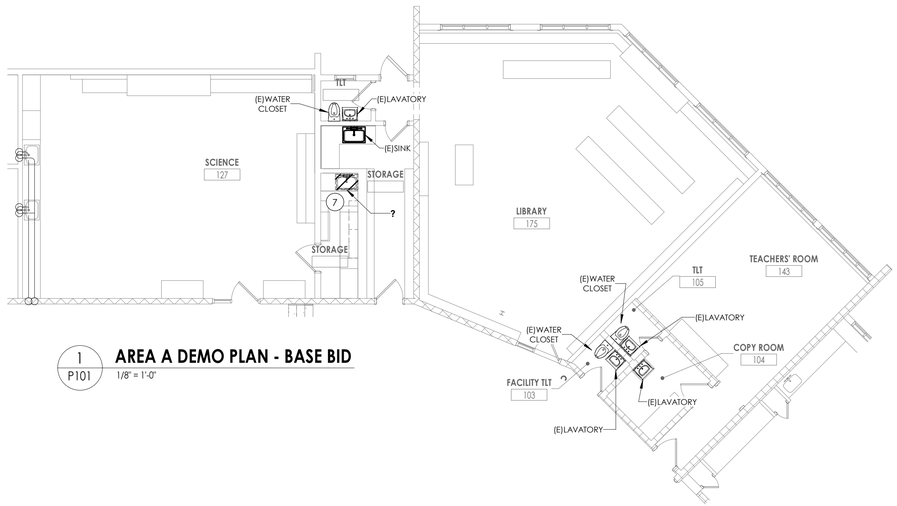
Issued
03/05/21
BID SUBMISSION

Drawn By: ACS
Checked By: EM

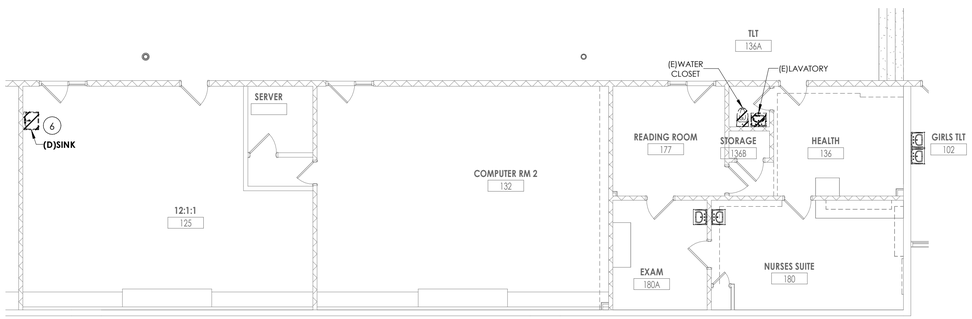
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HVAC SCHEDULES

VG
H903

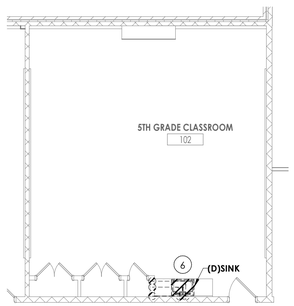
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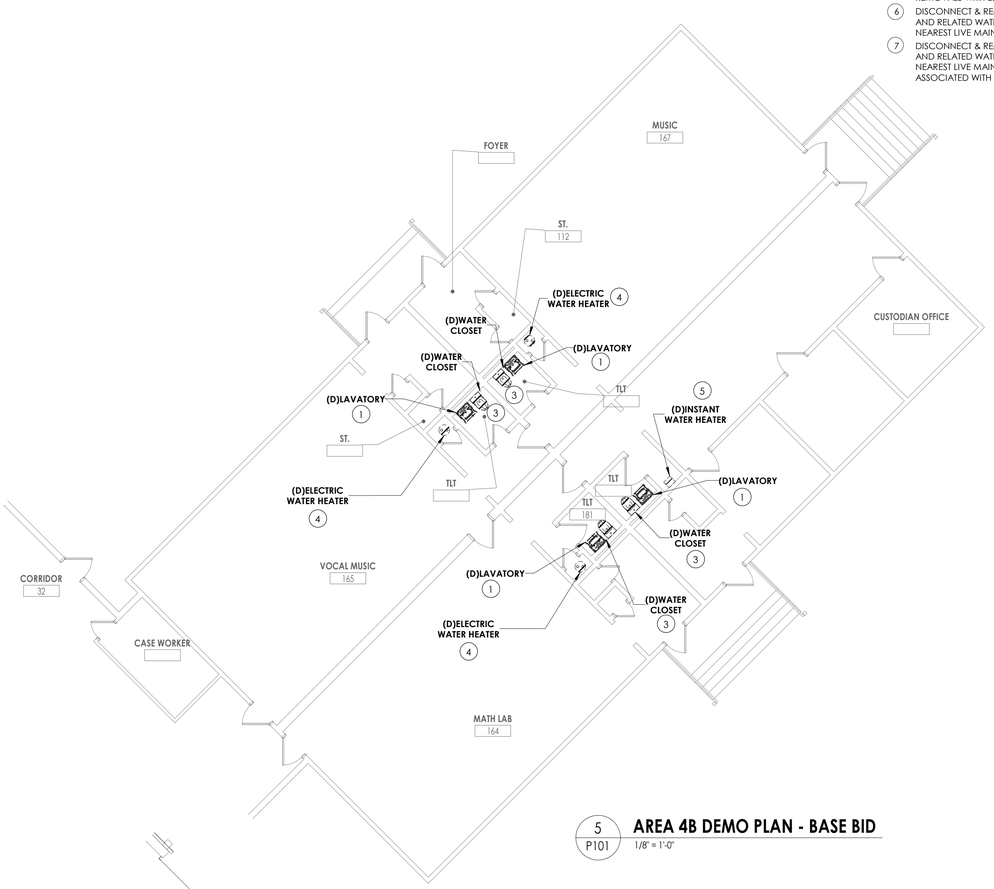
1 P101 **AREA A DEMO PLAN - BASE BID**
1/8" = 1'-0"



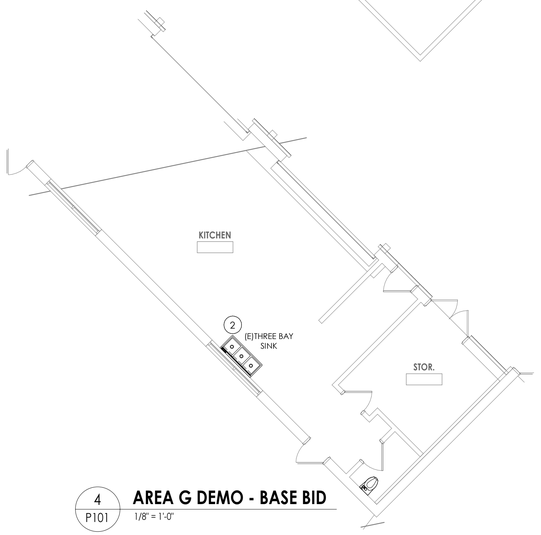
2 P101 **AREA B DEMO PLAN - BASE BID**
1/8" = 1'-0"



3 P101 **AREA C DEMO PLAN - ALTERNATE BID PC-1**
1/8" = 1'-0"



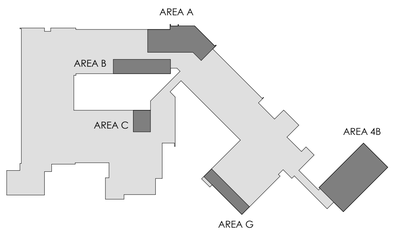
5 P101 **AREA 4B DEMO PLAN - BASE BID**
1/8" = 1'-0"



4 P101 **AREA G DEMO - BASE BID**
1/8" = 1'-0"

KEY NOTES:

1. DISCONNECT & REMOVE EXISTING LAVATORY, WALL CARRIER, TRIM, AND RELATED WATER/DRAIN/VENT PIPING. REMOVE TO NEAREST LIVE MAIN AND CAP.
2. DISCONNECT AND REMOVE THREE BAY SINK DRAIN PIPING FROM FIXTURE TO FLOOR PENETRATION, AND CAP. PREPARE PIPE FOR RECONNECTION OF NEW PIPING.
3. DISCONNECT & REMOVE EXISTING WATER CLOSET, WALL CARRIER, TRIM, AND RELATED WATER/DRAIN/VENT PIPING. REMOVE TO NEAREST LIVE MAIN AND CAP.
4. DISCONNECT & REMOVE EXISTING WATER HEATER. REMOVE ASSOCIATED DOMESTIC COLD & HOT WATER PIPING BACK TO MAIN AND CAP. COORDINATE ELECTRIC REMOVALS WITH ELECTRICAL CONTRACT.
5. DISCONNECT & REMOVE EXISTING INSTANT WATER HEATER. REMOVE ASSOCIATED DOMESTIC COLD & HOT WATER PIPING BACK TO MAIN AND CAP. COORDINATE ELECTRIC REMOVALS WITH ELECTRICAL CONTRACT.
6. DISCONNECT & REMOVE EXISTING SINK, SUPPORTS, TRIM, AND RELATED WATER/DRAIN/VENT PIPING. REMOVE TO NEAREST LIVE MAIN AND CAP.
7. DISCONNECT & REMOVE EXISTING SINK, SUPPORTS, TRIM, AND RELATED WATER/DRAIN/VENT PIPING. REMOVE TO NEAREST LIVE MAIN AND CAP. REMOVE ALL ACCESSORIES ASSOCIATED WITH SINK SUCH AS ACID TRAPS.



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PROJECT INFORMATION

Project Number
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Project Name
PHASE 5: 2019 CAPITAL IMPROVEMENTS PROJECT

SED # 44-16-00-01-0-018-009

Project Address
400 Old Forge Hill Rd, New Windsor, NY 12553

REVISION SCHEDULE

#	Date	Description

SHEET INFORMATION

Issued
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BID SUBMISSION

Drawn By: Author
Checked By: Checker

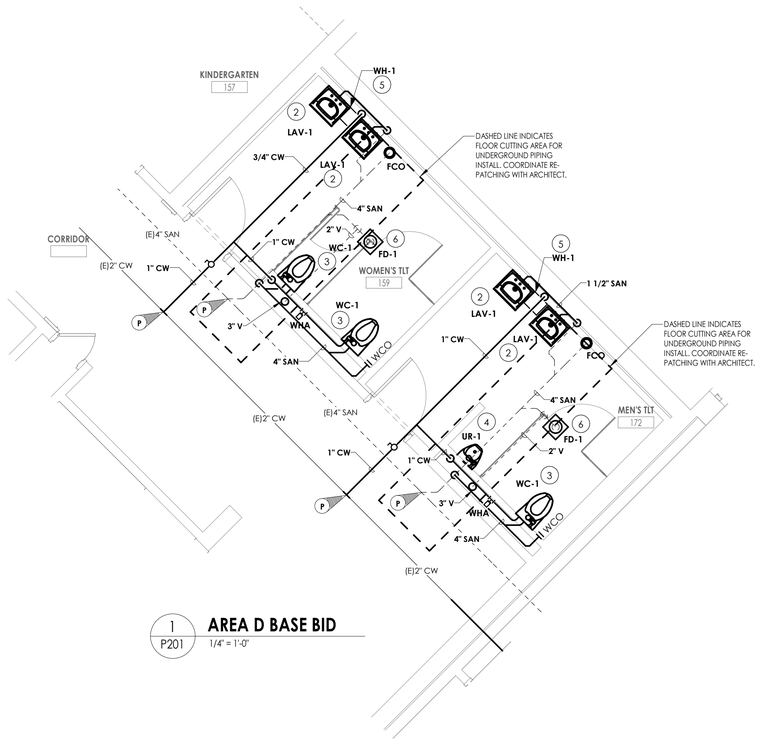
Drawing Title
AREA A, B, C, & G DEMO PLAN

VG
P101

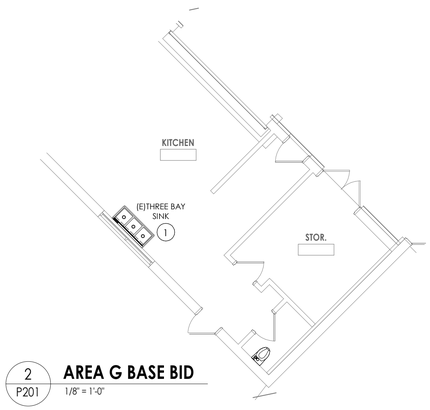
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KEY NOTES:

1. PROVIDE INDIRECT DRAIN PIPING FROM THREE BAY SINK AND RECONNECT TO PREPARED SANITARY CONNECTION.
2. PROVIDE LAVATORY, SUPPORTS, DOMESTIC WATER SUPPLY LINES, SUPPLY SHUT OFF VALVES, P-TRAP, SANITARY PIPING, & AIR ADMITTANCE VALVE FOR VENTING.
3. PROVIDE WALL HUNG WATER CLOSET AND CARRIER, COLD WATER SUPPLY LINE, SUPPLY SHUT OFF VAVLE, SANITARY PIPING, & VENT PIPING.
4. PROVIDE WALL HUNG URINAL AND CARRIER, COLD WATER SUPPLY LINE, SUPPLY SHUT OFF VAVLE, SANITARY PIPING, & VENT PIPING.
5. PROVIDE POINT OF USE WATER HEATER WITHIN CASEWORK TO SERVE SINK. PROVIDE EEMAX MINI-TANK MODEL EMT2.5.
6. PROVIDE FLOOR DRAIN, P-TRAP, SANITARY PIPING, & VENT PIPING.



1 P201 **AREA D BASE BID**
1/4" = 1'-0"



2 P201 **AREA G BASE BID**
1/8" = 1'-0"

PIPING LEGEND

XX	PIPING
XX	PIPING BELOW GRADE
X	EXISTING PIPING
CW	COLD WATER
HW	HOT WATER
HWR	HOT WATER RECIRCULATING
SAN	SANITARY SEWER
V	VENT
(E)	EXISTING
	PLUMBING TO BE REMOVED

FIXTURES & FITTINGS LEGEND

	TEE OUTLET - UP
	TEE OUTLET - DOWN
	CONNECTION - BOTTOM
	CONNECTION TOP
	ELBOW - TURNED UP
	ELBOW - TURNED DOWN
	PIPE CAP
CO	CLEAN OUT
FCO	FLOOR CLEAN OUT
WCO	WALL CLEAN OUT
HB	HOSE BIBB
NFHB	NON FREEZE HOSE BIBB
FD	FLOOR DRAIN
P	POINT OF CONNECTION
R	POINT OF REMOVAL
	BALL VALVE

GENERAL NOTES

A. ALL WORK SHALL COMPLY WITH STATE AND LOCAL CODES.

B. DOMESTIC WATER LINES SHALL BE TYPE L COPPER, LEAD FREE JOINTS. INSULATE ALL PIPING WITH 1" THICK PREFORMED FIBERGLASS PIPE INSULATION WITH ASJ COVER. ALL FITTINGS AND VALVES TO BE COVERED WITH PREFORMED PVC FITTING COVERS. ALL EXPOSED VERTICAL FIXTURE SUPPLY LINES TO BE COVERED WITH PVC JACKET TO 7' ABOVE FINISHED FLOOR.

C. UNDERGROUND SANITARY AND VENT PIPING SHALL BE SERVICE WEIGHT CAST IRON, HUB AND SPIGOT WITH RUBBER GASKET PUSH JOINTS. ABOVE GROUND SANITARY AND VET PIPING SHALL BE DWV COPPER WITH DWV COPPER FITTINGS OR NO-HUB CAST IRON.

D. IT IS THE RESPONSIBILITY OF THE PLUMBING CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS WITHIN THE BUILDING PRIOR TO COMMENCEMENT OF ALL DEMOLITION AND NEW WORK.

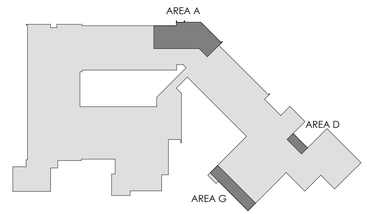
E. IT IS THE RESPONSIBILITY OF THE PLUMBING CONTRACTOR TO REMOVE AND REPLACE EXISTING CEILINGS UNLESS OTHERWISE NOTED ON THE ARCHITECTURAL DRAWINGS, FOR PERFORMING DEMOLITION OR NEW WORK WITHIN THE BUILDING. THE CONTRACTOR SHALL REINSTALL THE CEILING SYSTEMS TO MATCH THE ORIGINAL INSTALLATION. ANY CEILING SYSTEM COMPONENT DAMAGED DURING DEMOLITION, STORAGE, OR RE-INSTALLATION SHALL BE REPLACED WITH A NEW AT NO EXPENSE TO THE OWNER.

F. ALL PIPING AND CONDUIT PENETRATIONS THRU RATED WALLS OR FLOORS SHALL BE PROVIDED WITH FIRE/SMOKE STOPPING.

G. UNLESS SHOWN ON THE ARCHITECTURAL DRAWINGS, IT IS THE RESPONSIBILITY OF THE PLUMBING CONTRACTOR TO PATCH AND FINISH ALL EXISTING PIPE PENETRATIONS AND TRENCHING THRU FLOOR AND WALLS AFTER DEMOLITION. IN ADDITION, ALL NEW PENETRATIONS AND TRENCHING SHALL BE PROVIDED FOR INSTALLATION OF PLUMBING SYSTEMS INCLUDING, BUT NOT LIMITED TO, EQUIPMENT, PIPING, ETC.

PLUMBING EQUIPMENT & FIXTURE SCHEDULE1

MARK	FIXTURE	CW	HW	SAN	V	DESCRIPTION	Manufacturer	Model	REMARKS
FD-1	FLOOR DRAIN			4"	2"	FLOOR DRAIN	ZURN INDUSTRIES	Z415-4NH-6B	
LAV-1	LAVATORY	1/2"	1/2"	1 1/4"	1 1/2"	ACCESSIBLE WALL HUNG LAVATORY, CONCEALED ARM CARRIER, 18"x20" 1/2", MANUAL TYPE, SINGLE-CONTROL MIXING, COMMERCIAL, SOLID BRASS VALVE.	AMERICAN STANDARD	0355.012	FAUCET, LF-1: CHICAGO FAUCET 420-CP
SK-1	SINK	1/2"	1/2"	1 1/2"	1 1/2"	ACCESSIBLE COUNTER MOUNT SINK WITH OVAL GOOSENECK FAUCET AND WRISTBLADE HANDLES	JUST MANUFACTURING	SL-ADA-2131-A-GR	FAUCET, LF-2: CHICAGO FAUCET 895-317GN2FCAB
SK-2	LAB SINK (21x19)	1/2"	1/2"	1 1/2"	1 1/2"	ACCESSIBLE LABORATORY SINK, GOOSENECK FAUCET, WRIST BLADE HANDLES, DILLUTION TRAP	JUST MANUFACTURING	SL-ADA-2119-A-GR	FAUCET, LF-2: CHICAGO FAUCET 895-317GN2FCAB DILLUTION TRAP: ZURN Z9A-PHIX
SK-3	LAB SINK (21x31)	1/2"	1/2"	1 1/2"	1 1/2"	ACCESSIBLE LABORATORY SINK, GOOSENECK FAUCET, WRIST BLADE HANDLES, DILLUTION TRAP	JUST MANUFACTURING	SL-ADA-2131-A-GR	FAUCET, LF-2: CHICAGO FAUCET 895-317GN2FCAB DILLUTION TRAP: ZURN Z9A-PHIX
SK-4	INSTRUMENT SINK	1/2"	1/2"	1 1/2"	1 1/2"	DEEP BASIN, GOOSENECK FAUCET, WRIST BLADE HANDLES			FAUCET, LF-2: CHICAGO FAUCET 895-317GN2FCAB
UR-1	URINAL	1"		2"	1 1/2"	ACCESSIBLE URINAL, REAR DISCHARGE, TOP SUPPLY, BATTERY POWERED SENSOR OPERATED FLUSH VALVE WITH MANUAL OVERIDE	AMERICAN STANDARD	6590.001	FLUSH VALVE, FV-2: SLOAN VALVE COMPANY MODEL 186
WC-1	WATER CLOSET	1"		4"	2"	ACCESSIBLE WALL MOUNTED, REAR DISCHARGE, TOP SUPPLY, BATTERY POWERED SENSOR OPPERATED FLUSH VALVE WITH MANUAL OVERRIDE	AMERICAN STANDARD	3351.101	FLUSH VALVE, FV-1: SLOAN VALVE COMPANY MODEL 111-1.28



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PHASE 5: 2019 CAPITAL IMPROVEMENTS PROJECT

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400 Old Forge Hill Rd, New Windsor, NY 12553

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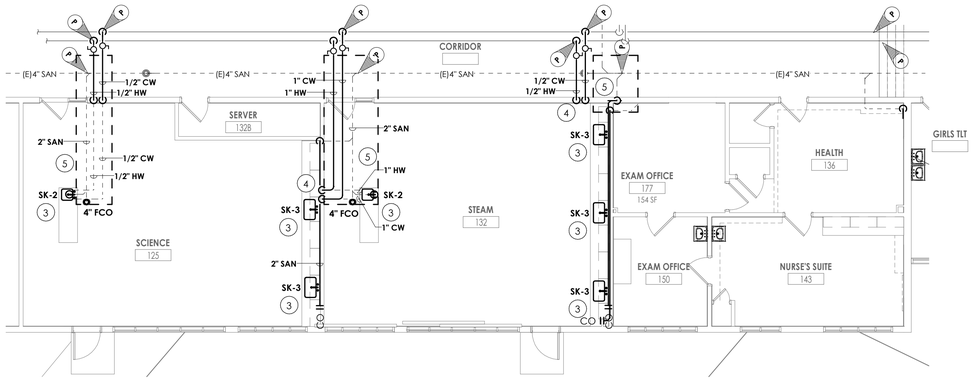
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AREA A, D & F NEW WORK PLAN

VG
P201

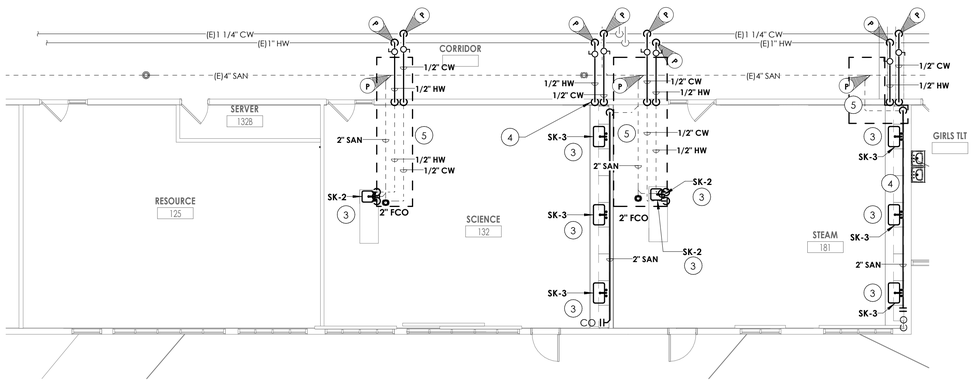
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KEY NOTES:

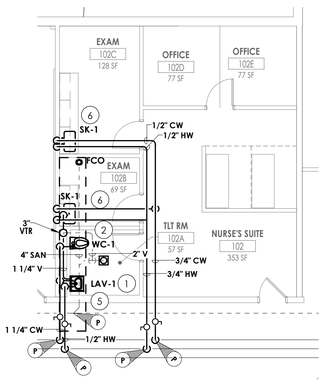
1. PROVIDE LAVATORY, SUPPORTS, DOMESTIC WATER SUPPLY LINES, SUPPLY SHUT OFF VALVES, P-TRAP, SANITARY PIPING, & AIR ADMITTANCE VALVE FOR VENTING.
2. PROVIDE WALL HUNG WATER CLOSET AND CARRIER, COLD WATER SUPPLY LINE, SUPPLY SHUT OFF VAVLE, SANITARY PIPING, & VENT PIPING.
3. PROVIDE LABORATORY SINK, SUPPORTS, DOMESTIC WATER SUPPLY LINES, SUPPLY SHUT OFF VALVES, P-TRAP, SANITARY PIPING, & AIR ADMITTANCE VALVE FOR VENTING. PROVIDE WITH ACID DRAIN PIPNG UP TO DILLUTION TRAP.
4. DISTRIBUTE SANITARY AND DOMESTIC PIPING WITHIN CASEWORK TO EACH COUNTERTOP FIXTURE. INSTALL MAINS TO BUILDING STRUCTURE, TIGHT TO BACK OF CASEWORK.
5. SAW CUT FLOOR AS INDICATED BY DASHED LINES TO INSTALL AND CONNECT UNDERGROUND PIPING. PATCH FLOOR, AND COORDINATE WITH GENERAL CONTRACTOR FOR FINAL FLOOR FINISH. WORK PHASING SHALL BE COORDINATED WITH GENERAL CONTRACTOR PRIOR TO CUTTING AND PATCHING.
6. PROVIDE SINK, SUPPORTS, DOMESTIC WATER SUPPLY LINES, SUPPLY SHUT OFF VALVES, P-TRAP, SANITARY PIPING, & AIR ADMITTANCE VALVE FOR VENTING.



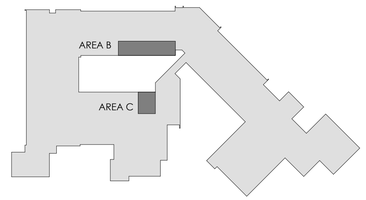
1 P202 **AREA B BASE BID**
1/8" = 1'-0"



2 P202 **AREA B ALTERNATE BID PC-1**
1/8" = 1'-0"



3 P202 **AREA C ALTERNATE WORK BID PC-1**
1/8" = 1'-0"



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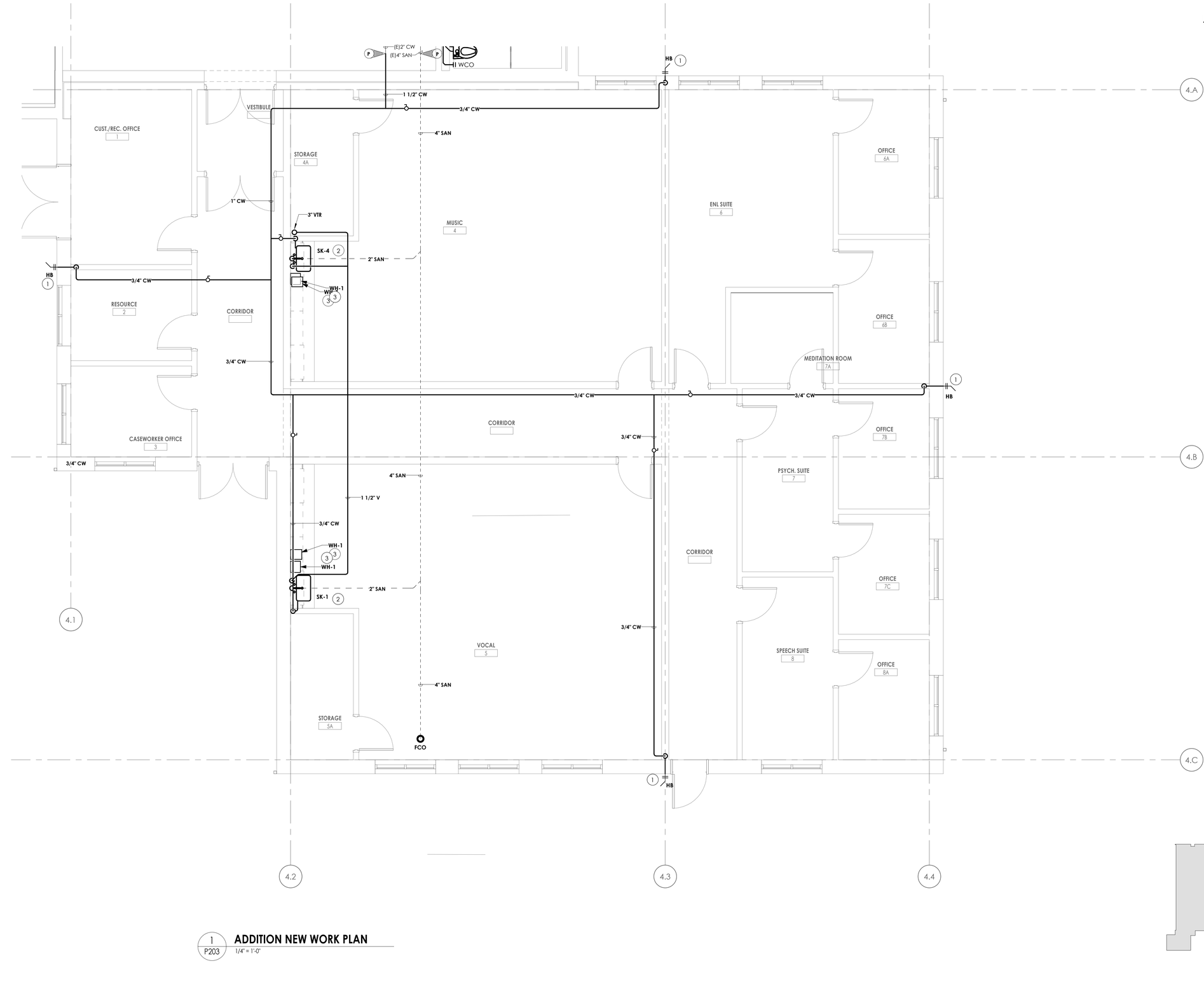
Drawing Title
AREA B & C NEW WORK PLAN

VG
P202

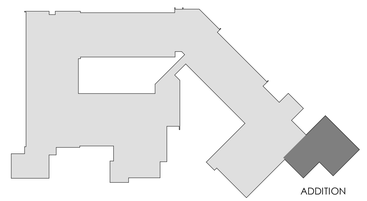
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KEY NOTES:

1. PROVIDE NON-FREEZE HOSE BIB WITH KEYED CONTROLS.
2. PROVIDE SINK, SUPPORTS, DOMESTIC WATER SUPPLY LINES, SUPPLY SHUT OFF VALVES, P-TRAP, SANITARY PIPING, & VENT PIPING.
3. PROVIDE POINT OF USE WATER HEATER WITHIN CASEWORK TO SERVE SINK. PROVIDE EEMAX MINI-TANK MODEL EMT2.5.



1 P203 **ADDITION NEW WORK PLAN**
1/4" = 1'-0"



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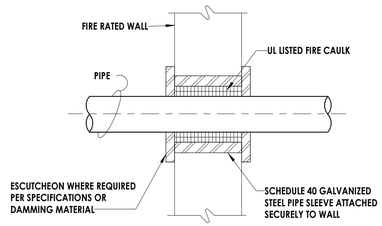
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ADDITION NEW WORK PLAN

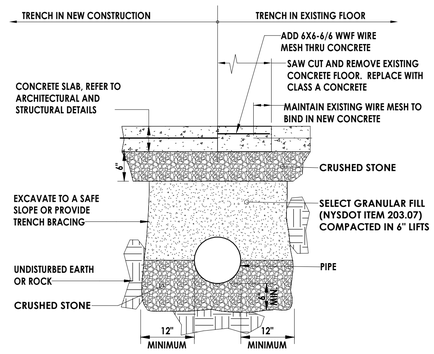
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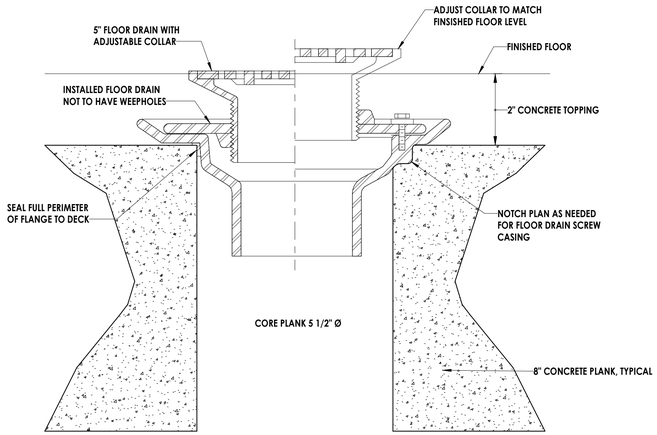
1 P801 **DETAIL OF PIPE THRU RATED WALL**

NOT TO SCALE



2 P801 **PIPE TRENCH DETAIL - UNDER SLAB WITHIN BUILDING FOOTPRINT**

NOT TO SCALE



3 P801 **TYPICAL FLOOR DRAIN INSTALLATION IN CONCRETE PLANK**

NOT TO SCALE

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DETAILS

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P801

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WIRING LEGEND:

S. SWITCH

(NONE)	SINGLE POLE TOGGLE SWITCH
2	TWO POLE TOGGLE SWITCH
3	THREE WAY TOGGLE SWITCH
4	FOUR WAY TOGGLE SWITCH
WP	SINGLE POLE WEATHER PROOF SWITCH
K	SINGLE POLE KEYED SWITCH
P	SINGLE POLE SWITCH WITH PILOT LIGHT
TM	SINGLE POLE SWITCH WITH ONE HOUR TIMER
T	THERMAL SWITCH
TP	THERMAL SWITCH WITH PILOT LIGHT
M	MOMENTARY CONTACT SWITCH
LV	LOW VOLTAGE SWITCH
D	DIMMER SWITCH
O	OCCUPANCY SENSOR SWITCH
V	VACANCY SENSOR SWITCH

S_{II} ROMAN NUMERAL DESIGNATES NUMBER OF SWITCHES

S_{a} LOWER CASE LETTER DESIGNATES SWITCH LEG

SINGLE RECEPTACLE

PLUG MOLD

DUPLEX RECEPTACLE

QUADRAPLEX RECEPTACLE

SPECIAL RECEPTACLE

GFI	GROUND FAULT CIRCUIT INTERRUPTER
WP	WEATHER PROOF IN-USE COVER
SS	SURGE SUPPRESSION
C	COUNTER HEIGHT
TR	TAMPER RESISTANT, UL LISTED
IG	ISOLATED GROUND
RT	RAIN TITE
E	EMERGENCY
X	TYPE X (SEE RECEPTACLE SCHEDULE)

PP POWER POLE

RECESSED FLOOR DUPLEX RECEPTACLE

FB RECESSED FLOORBOX WITH DUPLEX RECEPTACLE AND (4) PORT DATA JACKS

SURFACE MOUNTED FLOOR RECEPTACLE

CEILING MOUNTED DUPLEX RECEPTACLE

C CONDUIT

W EXPOSED LOW VOLTAGE WIRING

HORIZONTAL NON-METALLIC WIREWAY WITH DATA JACK OUTLETS AND ISOLATED GROUND TYPE DUPLEX RECEPTACLES

VERTICAL NON-METALLIC WIREWAY WITH DATA JACK OUTLETS AND ISOLATED GROUND TYPE DUPLEX RECEPTACLES

WM WIRE MOLD

JUNCTION BOX

F	FIRE SYSTEM
S	SECURITY SYSTEM

DISCONNECT SWITCH

WP DISCONNECT SWITCH - WEATHER PROOF (NEMA 3R)

F FUSED DISCONNECT SWITCH

COMBINATION FUSED DISCONNECT/ MAGNETIC STARTER SWITCH

HOA	HAND/OFF/AUTO
SS	START/STOP

M MANUAL STARTER

VFD COMBINATION VARIABLE FREQUENCY DRIVE AND DISCONNECT

VFD VARIABLE FREQUENCY DRIVE

M MOTORIZED DAMPER (120V LINE VOLTAGE CONNECTION BY EC)

ST/SP PUSHBUTTON - START, STOP

ST/SP/PL PUSHBUTTON - START, STOP, WITH PILOT LIGHT

UP/DN/SP PUSHBUTTON - UP, DOWN, STOP

EF-1 MOTOR WITH DESIGNATOR

TC TIME CLOCK

HD HAND DRYER, HARD WIRED

PO ADA DOOR PUSHBUTTON

HVP1-6 BRANCH CIRCUIT HOME RUN WITH PANEL NAME AND CIRCUIT NUMBER, QUANTITY OF ARROWHEADS DENOTES QUANTITY OF BRANCH CIRCUITS

GFI BKR.	GFI TYPE BREAKER
A.F. BKR.	ARC FAULT BREAKER

BRANCH CIRCUIT WIRING, PROVIDE QUANTITIES OF CONDUCTORS REQUIRED FOR CIRCUITING AND SWITCHING AS INDICATED

POWER LEG ONLY (NO SWITCH LEG BETWEEN ROOMS)

HARDWIRE CONNECTION

CONDUIT RISER UP

CONDUIT RISER DOWN

T TRANSFORMER

T_K TYPE "K" TRANSFORMER

MUSHROOM HEAD PUSH BUTTON (EMERGENCY STOP)

EMERGENCY BREAK GLASS STATION

GROUNDING ROD

SINGLE LINE DIAGRAM LEGEND:

EARTH GROUND

CHASSIS GROUND

KVA 208/120:480V — TRANSFORMER - KVA, PRIMARY AND SECONDARY VOLTAGE INDICATED. CONNECTIONS, K-RATING, AND SHIELD SPECIFIED

CURRENT TRANSFORMER

POTENTIAL TRANSFORMER

FUSE

DISCONNECT/LOADBREAK SWITCH

CIRCUIT BREAKER

CIRCUIT BREAKER DRAWOUT MOUNTED (LOW VOLTAGE)

AUTOMATIC TRANSFER SWITCH (NORMAL POSITION SHOWN)

M METER

ENCLOSED CIRCUIT BREAKER

LIGHTNING ARRESTER

FUSED DISCONNECT SWITCH

PANEL — PANELBOARD- RATINGS AS SPECIFIED IN SINGLE LINE DIAGRAM AND ON PANELBOARD SCHEDULE

COMMUNICATIONS LEGEND:

* TELEPHONE DROP

(NONE)	STANDARD MODULAR JACK FOR TELEPHONE
W	WALL MOUNTED TELEPHONE MODULAR JACK
P	PUBLIC TELEPHONE MODULAR JACK
C	COUNTER HEIGHT MODULAR JACK

TELEPHONE FLOOR DROP

DATA DROP

COMPUTER FLOOR DROP

COMBINATION TELEPHONE/DATA DROP

WAP WIRELESS ACCESS POINT

WT WIRELESS TRANSMITTER

DATA RACK

TV COAX CABLE DROP

CEILING MOUNT LCD PROJECTOR

SPEAKER (PUBLIC ADDRESS)

(NONE)	CEILING MOUNTED
W	WALL MOUNTED

SPEAKER (LOCAL SOUND SYSTEM)

SPEAKER HORN

M MICROPHONE JACK

SJ SPEAKER JACK

V VOLUME CONTROL

CLOCK

DOUBLE FACE CLOCK

C|S COMBINATION CLOCK AND SPEAKER

IC INTERCOM STATION

PA MIC REMOTE PRE-AMPLIFIER AND PAGING MICROPHONE

CJ CONSOLE JACK

HL HOUSE LIGHT CONTROL STATION

WB WALL BOX AS SPECIFIED

FB FLOOR BOX

NOTE:

SYMBOLS SHOWN ON THIS ELECTRICAL SYMBOLS LIST ARE FOR REFERENCE PURPOSES ONLY. ALL OF THESE SYMBOLS MAY NOT BE USED FOR THIS PROJECT.

FIRE/LIFE SAFETY LEGEND:

F FIRE ALARM PULL STATION

FB FIRE ALARM BELL

H FIRE ALARM HORN - WALL MOUNTED

XXcd FIRE ALARM HORN AND STROBE COMBINATION - WALL MOUNTED
XXcd = STROBE CANDELA RATING

XXcd WP FIRE ALARM HORN AND STROBE COMBINATION, WEATHER PROOF
XXcd = STROBE CANDELA RATING

S xW FIRE ALARM SPEAKER - WALL MOUNTED
Xw = INDICATES MINIMUM DESIGN TAP WATTAGE

XXcd xW FIRE ALARM SPEAKER AND STROBE COMBINATION
XXcd = STROBE CANDELA RATING
Xw = INDICATES MINIMUM DESIGN TAP WATTAGE

XXcd FIRE ALARM STROBE
XXcd = STROBE CANDELA RATING

C FIRE ALARM STROBE - CEILING MOUNTED

SMOKE DETECTOR

WG SMOKE DETECTOR WITH GUARD

CO CARBON MONOXIDE DETECTOR - WALL MOUNTED

CH4 NATURAL GAS SENSOR

HEAT DETECTOR

COMBINATION SMOKE/HEAT DETECTOR

F HEAT DETECTOR - 190° FIXED TEMPERATURE

EXP HEAT DETECTOR - EXPLOSION PROOF

BT BEAM SMOKE DETECTOR TRANSMITTER

BR BEAM SMOKE DETECTOR RECEIVER

* DUCT DETECTOR

SA	INDICATES INSTALLATION IN SUPPLY AIR
RA	INDICATES INSTALLATION IN RETURN AIR

RTS REMOTE TEST STATION FOR DUCT DETECTOR

R FIRE ALARM SHUT DOWN RELAY

DH FIRE DOOR HOLD OPEN

FSS FIRE SUPRESSION ANSUL SYSTEM CONNECTION

SD SMOKE DAMPER RELAY CONNECTION (CONNECT TO ADJACENT DUCT DETECTOR)

AIM CONTROL MODULE, ADDRESSABLE

SECURITY LEGEND:

KP SECURITY KEY PAD

VIDEO CAMERA

VM CCTV VIDEO MONITOR

MD PASSIVE INFRARED MOTION DETECTOR

PR PROXIMITY CARD READER

C CALL SWITCH

DC DOOR CONTACT

WC WINDOW CONTACT

ES ELECTRIC STRIKE DOOR RELEASE

ML MAGNETIC DOOR RELEASE

NURSE CALL LEGEND:

CB NURSE CALL BUTTON

P NURSE CALL PATIENT BED STATION

B CODE CALL BUTTON

SA NURSE CALL STAFF ASSIST STATION

S NURSE CALL STAFF STATION

SD NURSE CALL DUTY/STAFF STATION

D NURSE CALL DUTY STATION

HL NURSE CALL LIGHT

HC NURSE CALL CODE LIGHT

HZ NURSE CALL ZONE LIGHT

M NURSE CALL MASTER STATION

E NURSE CALL EMERGENCY PULL STATION

IR NURSE CALL INFRARED SENSOR

LIGHT FIXTURE LEGEND:

XX LIGHTING FIXTURE
(SEE LIGHTING FIXTURE SCHEDULE FOR LETTER DESIGNATION AND DESCRIPTION OF FIXTURES)

EMERGENCY "EM" AND/OR NIGHT LIGHT "NL" LIGHTING FIXTURE

EXIT LIGHTING FIXTURE UNIVERSAL MOUNT, SINGLE/DOUBLE FACE
(WHERE USED, ARROW INDICATES CHEVRON DIRECTION)

BATTERY POWERED EMERGENCY LIGHT

EMERGENCY LIGHT REMOTE HEAD

TRACK LIGHTING

POLE MOUNTED LIGHTING (QUANTITY AND ORIENTATION OF HEADS AS SHOWN)

OS OCCUPANCY SENSOR - CEILING MOUNTED

OSW OCCUPANCY SENSOR - WALL MOUNTED

LC LIGHTING CONTACTOR

PC PHOTOCELL

PANEL LEGEND:

EXISTING ELECTRICAL PANEL

XXX NEW ELECTRICAL PANEL

MDP	MAIN DISTRIBUTION PANEL
LVP	LOW VOLTAGE PANEL
HVP	HIGH VOLTAGE PANEL
LP	LIGHTING CONTROL PANEL
IG	ISOLATED GROUND PANEL
MSB	MAIN SWITCH BOARD
MCC	MOTOR CONTROL CENTER
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSION

ATS AUTOMATIC TRANSFER SWITCH

XXX ELECTRICAL SYSTEMS PANEL

SACP	SECURITY ALARM CONTROL PANEL
FACP	FIRE ALARM CONTROL PANEL
PA	PUBLIC ADDRESS CONTROL PANEL
FAAP	FIRE ALARM ANNUNCIATOR PANEL

ELECTRICAL PANELBOARD LABELING PLACARD

LINE 1 - PANELBOARD NAME: PP1 (EXAMPLE)
LINE 2 - VOLTAGE AND PHASE: 480/277V-3PH-4W (EXAMPLE)
LINE 3 - WHERE PANELBOARD IS FED FROM: FF MSB BREAKER #14 (EXAMPLE)

GENERAL ELECTRICAL NOTES:

1) HATCHED AREAS ////// DESIGNATE EXISTING EQUIPMENT TO BE REMOVED, UNLESS OTHERWISE NOTED.

2) ALL WORK TO BE DONE IN ACCORDANCE WITH THE LATEST ADOPTED EDITION OF THE NATIONAL ELECTRIC CODE (NFPA 70).

3) CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS AND COORDINATE WITH EXISTING EQUIPMENT PRIOR TO BIDDING.

BUILDING:

4) INSTALL DATA JACKS FOR CEILING MOUNTED WIRELESS TRANSMITTERS ABOVE CEILING IN ALL AREAS WHERE THERE IS AN ACCESSIBLE CEILING, UNLESS OTHERWISE NOTED. PROVIDE FLUSH MOUNTED JACKS IN ALL HARD CEILINGS.

5) ALL CONDUIT AND WIRING TO BE CONCEALED IN WALLS, FLOOR, OR ABOVE CEILINGS UNLESS OTHERWISE NOTED OR APPROVED BY THE ARCHITECT/ENGINEER. ALL DEVICE OUTLET BOXES SHALL BE RECESSED UNLESS OTHERWISE NOTED OR APPROVED BY THE ARCHITECT/ENGINEER. WHERE APPROVED OR NOTED, SURFACE METAL RACEWAY AND DEVICE BOXES SHALL BE USED IN-LIEU OF CONDUIT AND CONCEALED BOXES AT NO EXTRA COST TO THE OWNER.

6) ALL CONDUIT ROUTES SHOWN ARE APPROXIMATE ONLY. CONTRACTOR SHALL FIELD VERIFY FINAL ROUTE.

7) CONDUIT RUNS SHOWN ARE SCHEMATICAL AND DO NOT INDICATE THE NECESSARY FITTINGS AND JUNCTION BOXES THAT ARE INCLUDED IN THE SCOPE OF THE WORK.

GROUNDING:

8) ALL METAL RACEWAYS, INCLUDING CONDUIT, WIRE TROUGHS, WIREMOLD, ETC., SHALL BE GROUNDED. ALL CONNECTIONS IN METAL RACEWAYS SHALL BE COMPLETED IN SUCH A MANNER AS TO MAINTAIN A CONTINUOUS PATH TO GROUND THROUGHOUT THE ENTIRE LENGTH OF THE RACEWAY.

WIRING:

9) UNLESS NOTED OTHERWISE ON THE DRAWINGS OR ON THE EQUIPMENT WIRING SCHEDULE, EACH BRANCH CIRCUIT SHALL BE THREE (3) #12 AWG THHN/THWN (1 HOT, 1 NEUTRAL & 1 EQUIPMENT GROUND) IN 3/4" EMT CONDUIT. PROTECT EACH CIRCUIT WITH A 20 AMPERE, 1-POLE OVERCURRENT DEVICE UNLESS OTHERWISE NOTED. PROVIDE #10 AWG FOR 120V BRANCH CIRCUITS LONGER THAN 100 FEET. COMBINED NEUTRALS ARE NOT PERMITTED.

INSTALLATION HEIGHTS:

HEIGHT TO CENTER OF EQUIPMENT ABOVE FINISHED FLOOR UNLESS OTHERWISE NOTED TO BE THE FOLLOWING:

- RECEPTACLE = 18"
- SWITCH = 44"
- MODULAR JACK FOR WALL MOUNTED TELEPHONE = 52"
- MODULAR TELEPHONE JACK = 18"
- AUDIO/VISUAL FIRE ALARM INDICATORS = 88"
- FIRE ALARM PULL STATIONS = 48"
- TELEVISION OUTLET = 7'-0"
- COMPUTER OUTLET = 18"
- CALL SWITCH = 44"
- REMOTE TEST STATION FOR DUCT DETECTOR = 52"

C = ABOVE COUNTER BACKSPLASH, COORDINATE WITH ARCHITECTURAL ELEVATIONS.

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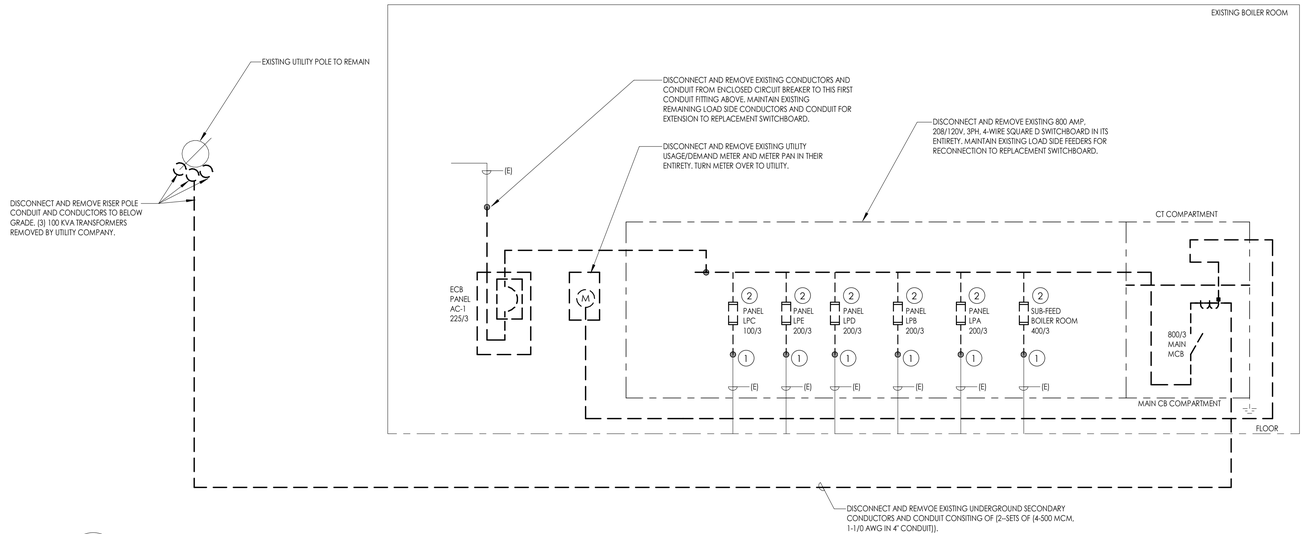
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Drawing Title
ELECTRICAL SYMBOLS LEGEND & NOTES

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E000

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1 E001 **DEMOLITION POWER SINGLE LINE DIAGRAM**
AS NOTED

LEGEND:
DEMOLITION
EXISTING
NEW WORK

GENERAL NOTES

1. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE ADVANCE NOTICE TO OWNER PRIOR TO ANY ELECTRICAL SERVICE SHUT DOWN(S).
2. ANY EQUIPMENT AS WELL AS ITS ASSOCIATED FEEDERS, CIRCUITING AND CONDUITS LABELED (E) SHALL REMAIN UNLESS OTHERWISE NOTED.
3. CONTRACTOR TO VERIFY IN FIELD ALL EXISTING FUSE RATINGS IN MAIN SWITCHBOARD PRIOR TO PREPARING AND SUBMITTING SUBMITTALS. SUBMITTALS SHALL REFLECT ACTUAL EXISTING FUSE RATINGS FOR SUBMITTED CIRCUIT BREAKERS.
4. PROVIDE REPLACEMENT SWITCHBOARD LABELING TO MATCH EXISTING PANEL/LOAD NAMES ON EXISTING SWITCHBOARD.
5. TAG AND NOTE PHASE AND PANEL/LOAD NAME OF ALL EXISTING CONDUCTORS AT SWITCHBOARD TO BE RECONNECTED.

KEY NOTES

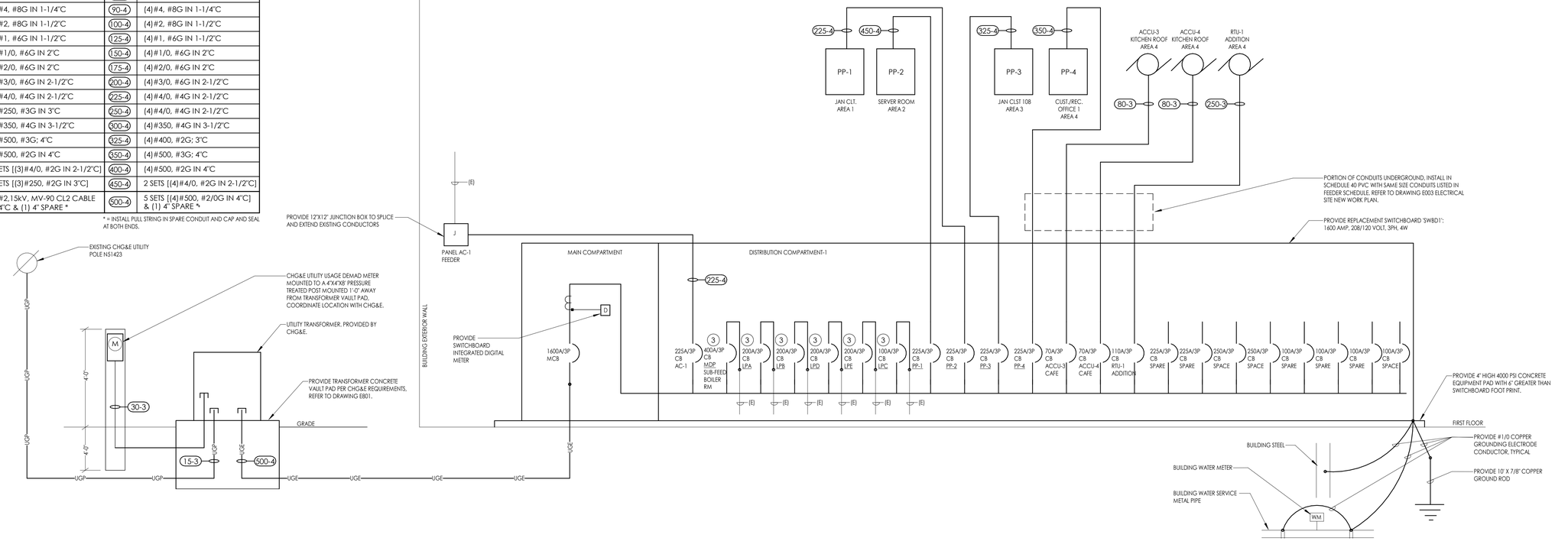
1. DISCONNECT EXISTING CONDUCTORS AND MAINTAIN FOR RECONNECTION TO SWITCHBOARD SWBD1.
2. PRIOR TO REMOVAL OF EXISTING SWITCH FUSING, FIELD VERIFY FUSE SIZING.
3. CONTRACTOR TO FIELD VERIFY EXISTING FUSE SIZING IN THIS SWITCH. COORDINATE AND IF NECESSARY MAKE CIRCUIT BREAKER SIZING CHANGE PRIOR TO SUBMITTAL PACKAGE. EXTEND EXISTING CONDUCTORS (MATCH EXISTING SIZING) TO RECONNECT EXISTING FEEDER CONDUCTORS TO REPLACEMENT SWITCHBOARD CIRCUIT BREAKERS.

SINGLE LINE FEEDER SCHEDULE

MARK	3Ø-3W WIRE & CONDUIT	MARK	3Ø-4W WIRE & CONDUIT
20-3	(3)#12, #12G IN 3/4"C	20-4	(4)#12, #12G IN 3/4"C
30-3	(3)#10, #10G IN 3/4"C	30-4	(4)#10, #10G IN 3/4"C
40-3	(3)#8, #10G IN 1"C	40-4	(4)#8, #10G IN 1"C
50-3	(3)#6, #10G IN 1"C	50-4	(4)#6, #10G IN 1"C
60-3	(3)#6, #10G IN 1"C	60-4	(4)#6, #10G IN 1"C
70-3	(3)#6, #8G IN 1"C	70-4	(4)#6, #8G IN 1"C
80-3	(3)#4, #6G IN 1-1/4"C	80-4	(4)#4, #8G IN 1-1/4"C
90-3	(3)#4, #8G IN 1-1/4"C	90-4	(4)#4, #8G IN 1-1/4"C
100-3	(3)#2, #8G IN 1-1/2"C	100-4	(4)#2, #8G IN 1-1/2"C
125-3	(3)#1, #6G IN 1-1/2"C	125-4	(4)#1, #6G IN 1-1/2"C
150-3	(3)#1/0, #6G IN 2"C	150-4	(4)#1/0, #6G IN 2"C
175-3	(3)#2/0, #6G IN 2"C	175-4	(4)#2/0, #6G IN 2"C
200-3	(3)#3/0, #6G IN 2-1/2"C	200-4	(4)#3/0, #6G IN 2-1/2"C
225-3	(3)#4/0, #4G IN 2-1/2"C	225-4	(4)#4/0, #4G IN 2-1/2"C
250-3	(3)#250, #3G IN 3"C	250-4	(4)#4/0, #4G IN 2-1/2"C
300-3	(3)#350, #4G IN 3-1/2"C	300-4	(4)#350, #4G IN 3-1/2"C
350-3	(3)#500, #3G; 4"C	325-4	(4)#400, #2G; 3"C
400-3	(3)#500, #2G IN 4"C	350-4	(4)#500, #3G; 4"C
450-3	2 SETS [(3)#4/0, #2G IN 2-1/2"C]	400-4	(4)#500, #2G IN 4"C
500-3	2 SETS [(3)#250, #2G IN 3"C]	450-4	2 SETS [(4)#4/0, #2G IN 2-1/2"C]
15-3	(4)#2,15kV, MV-90 CL2 CABLE IN 4"C & (1) 4" SPARE *	500-4	5 SETS [(4)#500, #2/0G IN 4"C] & (1) 4" SPARE *

* = INSTALL PULL STRING IN SPARE CONDUIT AND CAP AND SEAL AT BOTH ENDS.

LEGEND:
DEMOLITION
EXISTING
NEW WORK



5 E001 **NEW POWER SINGLE LINE DIAGRAM**
AS NOTED

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PROJECT INFORMATION
Project Number
13940.20
Client Name
NEWBURGH ENLARGED CITY SCHOOL DISTRICT
Project Name
PHASE 5: 2019 CAPITAL IMPROVEMENTS PROJECT
SED # 44-16-00-01-0-018-009
Project Address
400 Old Forge Hill Rd, New Windsor, NY 12553

REVISION SCHEDULE
#	Date	Description

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Drawn By: JAS
Checked By: JAS
Drawing Title
SINGLE LINE DIAGRAMS

VG
E001

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9/23/2021 1:09:05 P.M.

KEY NOTES

1. REPLACEMENT OF EXISTING SITE LIGHTING ALTERNATE EC-03 WORK: DISCONNECT AND REMOVE EXISTING SITE LIGHTING POLE, POLE MOUNTED LIGHTING FIXTURE AND CONCRETE BASE IN ITS ENTIRETY. REMOVE ANY EXPOSED CONDUITS ABOVE GRADE TO BELOW AND MAINTAIN EXISTING UNDERGROUND LIGHTING BRANCH CIRCUIT FOR CONNECTION TO REPLACEMENT SITE LIGHTING.
2. UTILITY TO DISCONNECT ELECTRIC SERVICE AT POLE. CONTRACTOR RESPONSIBLE TO REMOVE EXISTING POLE RISER CONDUIT AND ALL SECONDARY CONDUCTORS DOWN POLE TO BELOW GRADE.
3. REMOVE EXISTING SECONDARY UNDERGROUND FEEDER CONDUCTORS AND CONDUIT TO BUILDING.
4. DISCONNECT AND REMOVE EXISTING UNDERGROUND SITE LIGHTING CONDUIT AND CONDUCTORS BACK INTO BUILDING IN ITS ENTIRETY.
5. DISCONNECT AND REMOVE EXISTING SITE LIGHTING POLE, POLE MOUNTED LIGHTING FIXTURE AND CONCRETE BASE IN ITS ENTIRETY. REMOVE ANY EXPOSED CONDUITS ABOVE GRADE TO BELOW AND REMOVE EXISTING UNDERGROUND LIGHTING BRANCH CIRCUIT BACK TO EXISTING ADJACENT SITE LIGHTING POLE FIXTURE.

GENERAL NOTES

A. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE ADVANCE NOTICE TO OWNER PRIOR TO ANY ELECTRICAL SERVICE SHUT-DOWN(S).

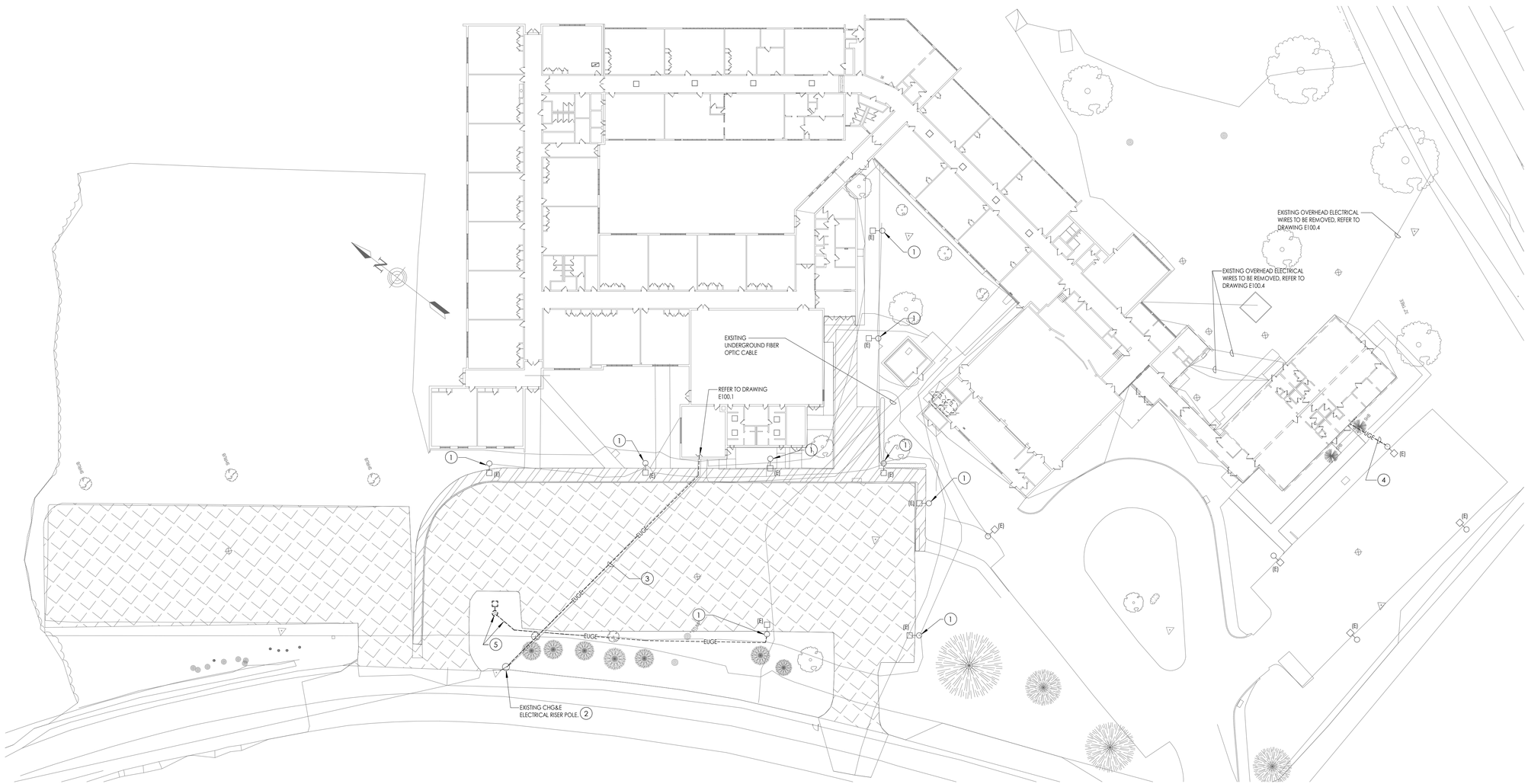
B. CONTRACTOR RESPONSIBLE FOR ALL REMOVALS OF EXISTING LIGHITNG POLES, POLE MOUNTED LIGHTING FIXTURES AND ANY EXPOSED CONDUITS/WIRING TO PROVIDE A COMPLETE SITE LIGHITNG REMOVAL.

C. EXISTING UNDERGROUND UTILITIES SHOWN WERE OBTAINTED THROUGH EXISTING DOCUMENTS AND UTILITY STAKEOUT AND ARE SHWON FOR REFERENCE PURPOSES ONLY.

D. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF ALL UNDERGROUND UTILITIES IN AREAS OF NEW UNDERGROUND ELECTRICAL WORK PRIOR TO EXCAVATION. ALL EXISTING ADJACENT UTILITIES SHALL BE TRACED AND MARKED ON SITE PRIOR TO EXCAVATION. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE CAUSED TO ADJACENT UNDERGROUND UTILITIES AND SHALL INCUR ALL ASSOCIATED REPAIR COSTS.

E. REFER TO CIVIL DRAWINGS FOR DETAILED PLANS, OTHER UTILITIES AND NOTES FOR DEMOLITION AND NEW WORK TO BE COMPLETED AT SITE.

F. IT IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO COORDINATE ALL WORK ASSOCIATED WITH THE SERVICE ENTRANCE WITH CENTRAL HUDSON GAS & ELECTRIC (CHG&E) CORPORATION. ALL UTILITY COMPANY FEES RELATED TO THIS WORK WILL BE PAID BY THE ELECTRICAL CONTRACTOR. CONTACT UTILITY REPRESENTATIVE, NATHAN JACKSON @845-563-4538 (njackson@cenhud.com).



2 E002 **ELECTRICAL SITE DEMOLITION PLAN**

1" = 30'-0"

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NEWBURGH, NY 12550

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PROJECT INFORMATION

Project Number
13940.20

Client Name
NEWBURGH ENLARGED CITY SCHOOL DISTRICT

Project Name
PHASE 5: 2019 CAPITAL IMPROVEMENTS PROJECT

SED # 44-16-00-01-0-018-009

Project Address
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REVISION SCHEDULE

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VG
E002

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KEY NOTES

1. PROVIDE 2#8, 1#10 AWG EGC IN 1-1/2" CONDUIT UNLESS NOTED OTHERWISE. REFER TO TRENCHING DETAIL 5/E800.
2. HAND EXCAVATE TO EXPOSE EXISTING UNDERGROUND SITE LIGHTING BRANCH CIRCUIT TO INTERCEPT AND CONNECT TO NEWLY PROVIDED LIGHTING CIRCUITRY BACK INTO BUILDING. PROVIDE HANDHOLE SIZE AS REQUIRED BY NEC .
3. REPLACEMENT OF EXISTING SITE LIGHTING ALTERNATE EC-03 WORK: PROVIDE REPLACEMENT CONCRETE LIGHT POLE BASE, LIGHT POLE AND FIXTURE AT EXISTING LOCATION. PROVIDE REWORK OF EXISTING UNDERGROUND LIGHTING BRANCH CIRCUIT TO COMPLETE INSTALLATION. FIXTURE TYPE LOCATED ADJACENT TO KEY NOTE.
4. HAND EXCAVATE TO EXPOSE EXISTING SOURCE UNDERGROUND LIGHTING BRANCH CIRCUIT FROM REMOVED PORTION OF BUILDING. CONNECT, EXTEND AND ROUTE UNDERGROUND ELECTRIC BRANCH CIRCUIT TO NEW ADDITION AS INDICATED TO RE-POWER EXISTING SITE LIGHTING.

GENERAL NOTES

A. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE ADVANCE NOTICE TO OWNER PRIOR TO ANY ELECTRICAL SERVICE SHUT-DOWN(S).

B. ANY EQUIPMENT, AS WELL AS IT'S ASSOCIATED FEEDERS, CIRCUITING AND CONDUITS LABELED (E) SHALL REMAIN UNLESS OTHERWISE NOTED.

C. EXISTING UNDERGROUND UTILITIES SHOWN WERE OBTAINED THROUGH EXISTING DOCUMENTS AND UTILITY STAKEOUT AND ARE SHOWN FOR REFERENCE PURPOSES ONLY.

D. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF ALL UNDERGROUND UTILITIES IN AREAS OF NEW UNDERGROUND ELECTRICAL WORK PRIOR TO EXCAVATION. ALL EXISTING ADJACENT UTILITIES SHALL BE TRACED AND MARKED ON SITE PRIOR TO EXCAVATION. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE CAUSED TO ADJACENT UNDERGROUND UTILITIES AND SHALL INCUR ALL ASSOCIATED REPAIR COSTS.

E. UNDERGROUND CONDUIT SHALL BE SCHEDULE 80 PVC AND BE PLACED IN TRENCH SO THAT TOP OF CONDUIT IS 30" BELOW GRADE, UNLESS OTHERWISE NOTED. INSTALL WARNING TAPE 18" ABOVE CONDUIT. ALL CONDUITS UNDER PAVED PARKING AND DRIVEWAYS SHALL BE RIGID GALVANIZED STEEL AT 30" TO TOP OF CONDUIT IN TRENCH.

F. ALL ABOVE GRADE EXPOSED CONDUITS SHALL BE IN RIGID GALVANIZED STEEL.

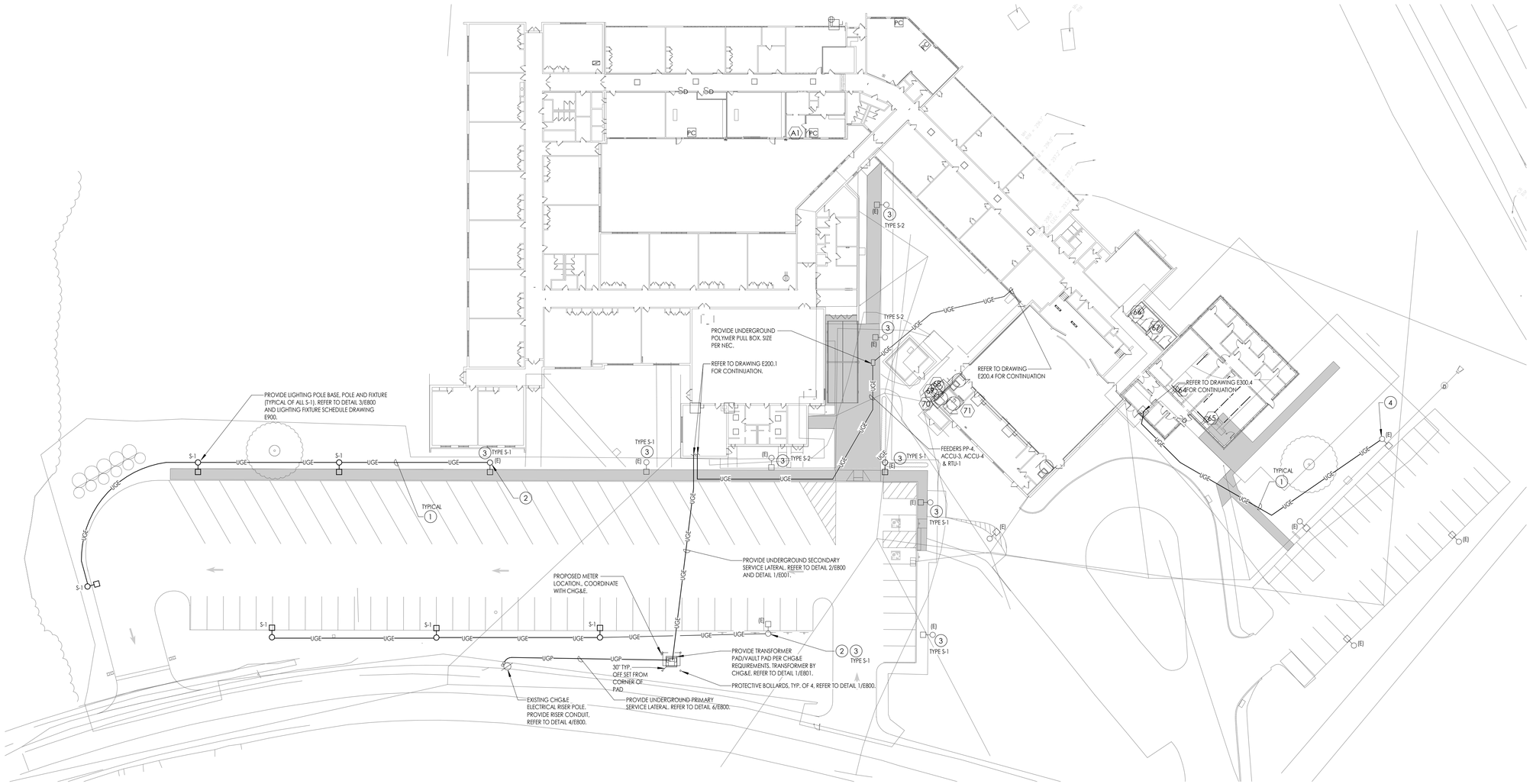
G. ALL UNDERGROUND CONDUIT ELBOWS AND SWEEPS SHALL BE IN RIGID GALVANIZED STEEL.

H. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR WATERTIGHT SLEEVES THROUGH CONCRETE FOUNDATION WALLS AND SLABS.

I. THE CONTRACTOR IS RESPONSIBLE FOR ALL COST ASSOCIATED WITH TRENCHING, SAW CUTTING, ETC., FOR WORK OF THE ELECTRICAL CONTRACT. CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR FULL RESTORATION OF ALL EXISTING CONDITIONS INCLUDING, BUT NOT LIMITED TO, LAWN/LANDSCAPING RESTORATION, REPLACING AND PATCHING OF ALL PAVEMENT, CONCRETE, ETC., EFFECTED BY WORK OF THE ELECTRICAL CONTRACT.

J. REFER TO CIVIL DRAWINGS FOR DETAILED PLANS, OTHER UTILITIES AND NOTES FOR DEMOLITION AND NEW WORK TO BE COMPLETED AT SITE.

K. IT IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO COORDINATE ALL WORK ASSOCIATED WITH THE SERVICE ENTRANCE WITH CENTRAL HUDSON GAS & ELECTRIC (CHG&E) CORPORATION. ALL UTILITY COMPANY FEES RELATED TO THIS WORK WILL BE PAID BY THE ELECTRICAL CONTRACTOR. CONTACT UTILITY REPRESENTATIVE, NATHAN JACKSON @845-563-4538 (njackson@cenhud.com).



1 / E003 **ELECTRICAL SITE NEW WORK PLAN**
1" = 30'-0"

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50 FRONT ST. SUITE 102
NEWBURGH, NY 12550
CPLteam.com

PROJECT INFORMATION

Project Number
13940.20

Client Name
NEWBURGH ENLARGED CITY SCHOOL DISTRICT

Project Name
PHASE 5: 2019 CAPITAL IMPROVEMENTS PROJECT

SED # 44-16-00-01-0-018-009

Project Address
400 Old Forge Hill Rd, New Windsor, NY 12553

REVISION SCHEDULE

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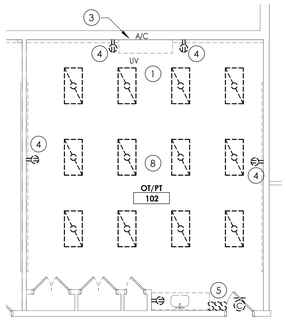
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ELECTRICAL SITE NEW WORK PLAN

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E003

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KEY NOTES

1. DISCONNECT AND REMOVE EXISTING BRANCH CIRCUIT WIRING AND CONDUIT BACK TO SOURCE IN ITS ENTIRETY. PATCH EXISTING FLOOR HOLE WHERE CIRCUIT PENETRATION EXISTS.
2. DISCONNECT , REMOVE AND STORE EXISTING LIGHTING FIXTURE INDICATED TO ALLOW INSTALLATION OF HVAC DUCTWORK. MAINTAIN EXISTING WIRING AND TAG FOR REUSE. REFER TO DRAWING E300.1 FOR REINSTALLATION LOCATION.
3. DISCONNECT AND REMOVE EXISTING 240 VOLT, 2-POLE RECEPTACLE, RACEWAY, TIMER SWITCH IN THEIR ENTIRETY AND REMOVE WIRING BACK TO SOURCE PANELBOARD AC-1.
4. DISCONNECT AND REMOVE EXISTING DUPLEX RECEPTACLE. MAINTAIN DEVICE BACKBOX, WIRING AND PROVIDE METAL BLANK COVERPLATE.
5. DISCONNECT AND REMOVE EXISTING LIGHTING SWITCHES AND BRANCH CIRCUIT WIRING BACK TO SOURCE IN ITS ENTIRETY.
6. DISCONNECT AND REMOVE EXISTING DUKANE PUBLIC ADDRESS SYSTEM CONSOLE RACK AND ALL ASSOCIATED EQUIPMENT IN ITS ENTIRETY, MAINTAIN ALL SYSTEM SPEAKER CABLES TO RECONNECT TO REPLACEMENT PUBLIC ADDRESS SYSTEM. REFER TO DRAWING E400.1.
7. DISCONNECT AND REMOVE EXISTING LIGHTING FIXTURES AND MAINTAIN EXISTING LIGHTING BRANCH CIRCUIT FOR CONNECTION TO CANOPY LIGHTING.
8. DISCONNECT AND REMOVE EXISTING LIGHTING FIXTURES, OCCUPANCY SENSOR AND CONTROLS, AND ASSOCIATED BRANCH CIRCUIT WIRING/RACEWAY BACK TO SOURCE AS INDICATED, TYPICAL UNLESS NOTED OTHERWISE.
9. DISCONNECT AND REMOVE (12) 20AMP, 2-POLE 208V CIRCUIT BREAKERS FROM WITHIN PANELBOARD.

GENERAL NOTES

A. E - EXISTING TO REMAIN. ANY DEVICE, AS WELL AS ITS' ASSOCIATED CIRCUITING AND CONDUIT, LABELED (E) SHALL REMAIN, UNLESS OTHERWISE NOTED.

B. THE CONTRACTOR SHALL REMOVE THE EXISTING ELECTRIC IN AREAS OF NEW RENOVATIONS TO ACCOMMODATE NEW CONSTRUCTION. REROUTING OF EXISTING MAY BE REQUIRED AT NEW OPENINGS IN EXISTING CONSTRUCTION OR INTERFERENCE WITH OTHER NEW WORK AS NOTED IN THE FOLLOWING NOTES.

C. DRAWINGS INDICATE SPECIFIC ITEMS TO BE REMOVED AND/OR RELOCATED IN ORDER TO INDICATE GENERAL SCOPE. ADDITIONAL ITEMS NOT INDICATED, BUT NECESSARY FOR PROJECT RENOVATIONS, SHALL BE REMOVED, RELOCATED AND/OR REROUTED. THE CONTRACTOR SHALL ASSUME WITHIN THE BASE BID A NOMINAL AMOUNT OF BRANCH CIRCUITS, FIXTURES, DEVICES, AND SYSTEMS WIRING WITHIN AND PROVIDE METAL BLANK COVERPLATE. WALLS OR OPENINGS BEING REMOVED OR RELOCATED AS REQUIRED TO ACCOMMODATE THE NEW CONSTRUCTION.

D. WHERE DEVICES, FIXTURES, ETC. ARE INDICATED TO BE REMOVED, THEY AND THEIR RELATED WIRING/CONDUIT SHALL BE REMOVED BACK TO THE SOURCE PANELBOARD UNLESS OTHERWISE NOTED. ON CIRCUITS WHERE OTHER DEVICES, FIXTURES, ETC. ARE FOUND THAT MUST REMAIN, MAINTAIN CIRCUIT CONTINUITY BY PROVIDING ADDITIONAL WIRING, TO FEED THROUGH TO THESE REMAINING ITEMS. RELOCATE ANY CIRCUITS THAT REMAIN, TO AVOID CONFLICT WITH NEW CONSTRUCTION AS REQUIRED. PROPERLY TERMINATE ALL WIRING.

E. COORDINATE DEMOLITION OF EQUIPMENT, DEVICES, ETC. WITH OTHER DISCIPLINES AS APPLICABLE. REFER TO ARCHITECTURAL DEMOLITION DRAWINGS AND NOTES FOR COORDINATION.

F. DRAWINGS ARE GRAPHICAL REPRESENTATIONS OF APPROXIMATE EQUIPMENT AND DEVICE LOCATIONS. CONTRACTOR SHALL VISIT THE SITE TO DETERMINE THE EXACT EXTENT OF ELECTRICAL WORK REQUIRED TO COMPLETE THE PROJECT. EXISTING CONDITIONS ARE TAKEN FROM FIELD OBSERVATION AND EXISTING BUILDING DOCUMENTS. OTHER ELECTRICAL ITEMS MAY EXIST FOR WHICH THE CONTRACTOR IS RESPONSIBLE.

G. CONTRACTOR SHALL PROPERLY DISPOSE OF ALL ITEMS, EQUIPMENT, PANELS, LIGHT FIXTURES, ETC. BEING REMOVED AS PART OF THIS PROJECT. THE OWNER SHALL HAVE THE RIGHT OF RETAINING ANY ITEMS BEING REMOVED.

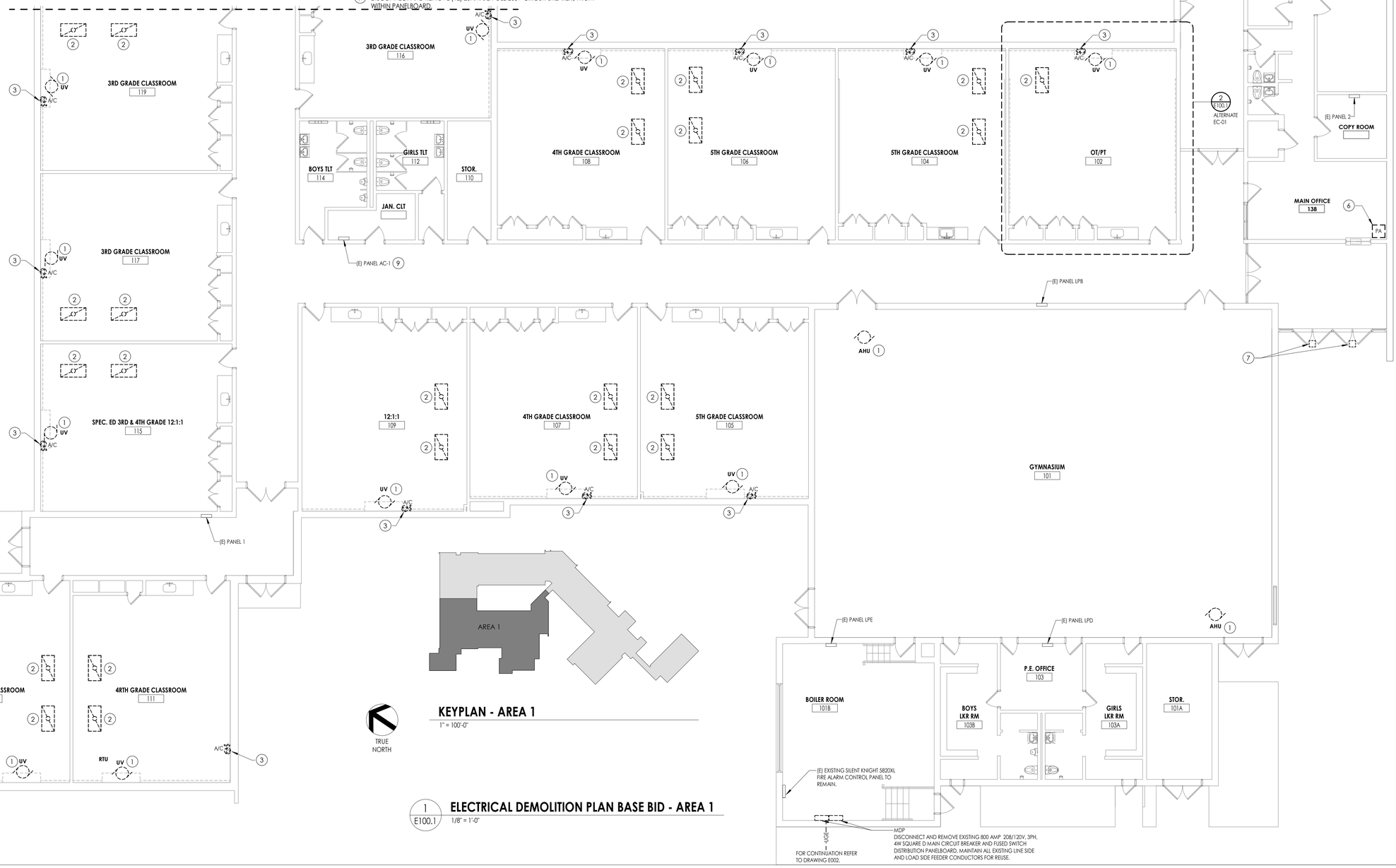
H. CONTRACTOR SHALL REMOVE AND RE-INSTALL EXISTING CEILING TILES AS REQUIRED TO ACCOMMODATE SCOPE OF WORK. TILES SHALL BE VACUUMED PRIOR TO REMOVAL TO MINIMIZE DUST AND DEBRIS. REPLACE DAMAGED TILES AS REQUIRED.

I. CONTRACTOR SHALL PROVIDE NEW COVERPLATES ON ALL BOXES OF UNUSED AND/OR REMOVED FLUSH MOUNT DEVICES UPON COMPLETION OF PROJECT.

J. FIREPROOFING AND/OR FIRE STOP MATERIALS REMOVED FROM FIRE RATED WALLS AND CEILINGS AS A RESULT OF DEMOLITION SHALL BE RE-INSTALLED USING AN APPROVED METHOD AS DESCRIBED IN ASSOCIATED PROJECT SPECIFICATIONS.

2 E100.1 ELECTRICAL DEMOLITION PLAN NURSE RELOCATION ALTERNATE EC-01

1/8" = 1'-0"



TRUE NORTH

KEYPLAN - AREA 1

1" = 100'-0"

1 E100.1 ELECTRICAL DEMOLITION PLAN BASE BID - AREA 1

1/8" = 1'-0"

(E) EXISTING SILENT KNIGHT 5820XL FIRE ALARM CONTROL PANEL TO REMAIN.

MDP

DISCONNECT AND REMOVE EXISTING 800 AMP 208/120V, 3PH, 4W SQUARE D MAIN CIRCUIT BREAKER AND FUSED SWITCH DISTRIBUTION PANELBOARD. MAINTAIN ALL EXISTING LINE SIDE AND LOAD SIDE FEEDER CONDUCTORS FOR REUSE.

VGE

FOR CONTINUATION REFER TO DRAWING E002.

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NEWBURGH, NY 12550
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MAY

Checked By
JAS

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ELECTRICAL DEMOLITION FLOOR PLAN AREA 1

VG
E100.1

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KEY NOTES

1. DISCONNECT AND REMOVE EXISTING BRANCH CIRCUIT WIRING AND CONDUIT BACK TO SOURCE IN ITS ENTIRETY. PATCH EXISTING FLOOR HOLE WHERE CIRCUIT PENETRATION EXISTS.
2. DISCONNECT , REMOVE AND STORE EXISTING LIGHTING FIXTURE INDICATED TO ALLOW INSTALLATION OF HVAC DUCTWORK. MAINTAIN EXISTING WIRING AND TAG FOR REUSE. REFER TO DRAWING E300.2 FOR REINSTALLATION LOCATION.
3. DISCONNECT AND REMOVE EXISTING 240 VOLT, 2-POLE RECEPTACLE, RACEWAY, TIMER SWITCH IN THEIR ENTIRETY AND REMOVE WIRING BACK TO SOURCE PANELBOARD AC-1.
4. DISCONNECT AND REMOVE POWER PLUG MOLD AND ASSOCIATED CIRCUITRY BACK TO PANEL COMP.
5. DISCONNECT, REMOVE AND STORE EXISTING CEILING MOUNTED WIRELESS ACCESS POINT. MAINTAIN AND EXISTING WIRING FOR REUSE AND TAG.
6. DISCONNECT AND REMOVE EXISTING BUILDING PUBLIC ADDRESS SYSTEM CALL BUTTON. REMOVE WIRING BACK TO SOURCE.
7. DISCONNECT AND REMOVE EXISTING SURFACE MOUNTED PANELBOARD, LOAD SIDE BRANCH CIRCUIT WIRING AND LOAD SIDE FEEDER BACK TO THEIR SOURCES.
8. RELOCATE EXISTING TELEPHONE TERMINAL CABINET TO ABOVE FINISHED CEILING HEIGHT.
9. DISCONNECT AND REMOVE EXISTING LIGHTING FIXTURES, OCCUPANCY SENSOR AND CONTROLS, ROOM SWITCHES AND ASSOCIATED BRANCH CIRCUIT WIRING/RACEWAY BACK TO SOURCE AS INDICATED, TYPICAL UNLESS NOTED OTHERWISE.
10. DISCONNECT AND REMOVE EXISTING PUBLIC ADDRESS SYSTEM SPEAKER AND ASSOCIATED WIRING/RACEWAY BACK TO SOURCE PA SYSTEM RACK.
11. DISCONNECT AND REMOVE EXISTING FIRE ALARM SYSTEM DEVICE AND ASSOCIATED WIRING/RACEWAY BACK TO SOURCE , TYPICAL OF DEVICES INDICATED.
12. DISCONNECT AND REMOVE DUPLEX RECEPTACLE, COVERPLATE, DEVICE BOX AND ASSOCIATED BRANCH CIRCUIT WIRING/RACEWAY BACK TO SOURCE. PROVIDE BLANK METAL COVERPLATE FOR DEVICE BOX ON EXISTING WALLS TO REMAIN.
13. DISCONNECT AND REMOVE EXISTING CLOCK AND TURN OVER TO OWNER.
14. DISCONNECT AND REMOVE DATA JACK(S), COVERPLATE AND CABLING BACK TO SOURCE DATA RACK IN ITS ENTIRETY.

GENERAL NOTES

A. E - EXISTING TO REMAIN. ANY DEVICE, AS WELL AS ITS' ASSOCIATED CIRCUITING AND CONDUIT, LABELED (E) SHALL REMAIN, UNLESS OTHERWISE NOTED.

B. THE CONTRACTOR SHALL REMOVE THE EXISTING ELECTRIC IN AREAS OF NEW RENOVATIONS TO ACCOMMODATE NEW CONSTRUCTION. REROUTING OF EXISTING MAY BE REQUIRED AT NEW OPENINGS IN EXISTING CONSTRUCTION OR INTERFERENCE WITH OTHER NEW WORK AS NOTED IN THE FOLLOWING NOTES.

C. DRAWINGS INDICATE SPECIFIC ITEMS TO BE REMOVED AND/OR RELOCATED IN ORDER TO INDICATE GENERAL SCOPE. ADDITIONAL ITEMS NOT INDICATED, BUT NECESSARY FOR PROJECT RENOVATIONS, SHALL BE REMOVED, RELOCATED AND/OR REROUTED. THE CONTRACTOR SHALL ASSUME WITHIN THE BASE BID A NOMINAL AMOUNT OF BRANCH CIRCUITS, FIXTURES, DEVICES, AND SYSTEMS WIRING WITHIN WALLS OR OPENINGS BEING REMOVED OR RELOCATED AS REQUIRED TO ACCOMMODATE THE NEW CONSTRUCTION.

D. WHERE DEVICES, FIXTURES, ETC. ARE INDICATED TO BE REMOVED, THEY AND THEIR RELATED WIRING/CONDUIT SHALL BE REMOVED BACK TO THE SOURCE PANELBOARD UNLESS OTHERWISE NOTED. ON CIRCUITS WHERE OTHER DEVICES, FIXTURES, ETC. ARE FOUND THAT MUST REMAIN, MAINTAIN CIRCUIT CONTINUITY BY PROVIDING ADDITIONAL WIRING, TO FEED THROUGH TO THESE REMAINING ITEMS. RELOCATE ANY CIRCUITS THAT REMAIN, TO AVOID CONFLICT WITH NEW CONSTRUCTION AS REQUIRED. PROPERLY TERMINATE ALL WIRING.

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G. CONTRACTOR SHALL PROPERLY DISPOSE OF ALL ITEMS, EQUIPMENT, PANELS, LIGHT FIXTURES, ETC., BEING REMOVED AS PART OF THIS PROJECT. THE OWNER SHALL HAVE THE RIGHT OF RETAINING ANY ITEMS BEING REMOVED.

H. CONTRACTOR SHALL REMOVE AND RE-INSTALL EXISTING CEILING TILES AS REQUIRED TO ACCOMMODATE SCOPE OF WORK. TILES SHALL BE VACUUMED PRIOR TO REMOVAL TO MINIMIZE DUST AND DEBRIS. REPLACE DAMAGED TILES AS REQUIRED.

I. CONTRACTOR SHALL PROVIDE NEW COVERPLATES ON ALL BOXES OF UNUSED AND/OR REMOVED FLUSH MOUNT DEVICES UPON COMPLETION OF PROJECT.

J. FIREPROOFING AND/OR FIRE STOP MATERIALS REMOVED FROM FIRE RATED WALLS AND CEILINGS AS A RESULT OF DEMOLITION SHALL BE RE-INSTALLED USING AN APPROVED METHOD AS DESCRIBED IN ASSOCIATED PROJECT SPECIFICATIONS.

K. CONTRACTOR SHALL PROVIDE NEW COVERPLATES ON ALL BOXES OF UNUSED AND/OR REMOVED FLUSH MOUNT DEVICES UPON COMPLETION OF PROJECT.



TRUE NORTH

KEYPLAN - AREA 2

1" = 100'-0"

1 E100.2 **ELECTRICAL DEMOLITION PLAN BASE BID - AREA 2**

1/8" = 1'-0"

2 E100.2 **ELECTRICAL DEMOLITION PLAN NURSE RELOCATION ALT. EC-01**

1/8" = 1'-0"

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PROJECT INFORMATION

Project Number
13940.20

Client Name
NEWBURGH ENLARGED CITY SCHOOL DISTRICT

Project Name
PHASE 5: 2019 CAPITAL IMPROVEMENTS PROJECT

SED # 44-16-00-01-0-018-009

Project Address
400 Old Forge Hill Rd, New Windsor, NY 12553

REVISION SCHEDULE

#	Date	Description

SHEET INFORMATION

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09/27/21
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Drawn By: MAY
Checked By: JAS

Drawing Title
ELECTRICAL DEMOLITION FLOOR PLAN AREA 2

VG
E100.2

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1 E100.3 **ELECTRICAL DEMOLITION PLAN BASE BID - AREA 3**
1/8" = 1'-0"

KEY NOTES

1. DISCONNECT AND REMOVE EXISTING BRANCH CIRCUIT WIRING AND CONDUIT BACK TO SOURCE IN ITS ENTIRETY. PATCH EXISTING FLOOR HOLE WHERE CIRCUIT PENETRATION EXISTS.
2. DISCONNECT , REMOVE AND STORE EXISTING LIGHTING FIXTURE INDICATED TO ALLOW INSTALLATION OF HVAC DUCTWORK. MAINTAIN EXISTING WIRING AND TAG FOR REUSE. REFER TO DRAWING E300.3 FOR REINSTALLATION LOCATION.
3. DISCONNECT AND REMOVE EXISTING 240 VOLT, 2-POLE RECEPTACLE, RACEWAY, TIMER SWITCH IN THEIR ENTIRETY AND REMOVE WIRING BACK TO SOURCE PANELBOARD AC-2.
4. DISCONNECT AND REMOVE POWER PLUG MOLD AND ASSOCIATED CIRCUITRY BACK TO PANEL COMP.
5. DISCONNECT AND REMOVE EXISTING BRANCH CIRCUIT WIRING AND CONDUIT BACK TO SOURCE IN ITS ENTIRETY.
6. DISCONNECT AND REMOVE EXISTING CEILING MOUNTED CORD REELS, RECEPTACLES AND ASSOCIATED BRANCH CIRCUIT WIRING/RACEWAY BACK TO SOURCE IN ITS ENTIRETY.
7. DISCONNECT AND REMOVE TV COAXIAL JACK AND CABLE BACK TO SOURCE IN ITS ENTIRETY.
8. DISCONNECT AND REMOVE EXISTING LIGHTING FIXTURES, OCCUPANCY SENSOR AND CONTROLS. ROOM SWITCHES AND ASSOCIATED BRANCH CIRCUIT WIRING/RACEWAY BACK TO SOURCE AS INDICATED, TYPICAL UNLESS NOTED OTHERWISE.
9. DISCONNECT AND REMOVE EXISTING PUBLIC ADDRESS SYSTEM SPEAKER, PA SYSTEM CALL BUTTON AND ASSOCIATED WIRING/RACEWAY BACK TO SOURCE PA SYSTEM RACK.
10. DISCONNECT AND REMOVE EXISTING FIRE ALARM SYSTEM DEVICE AND ASSOCIATED WIRING/RACEWAY BACK TO SOURCE , TYPICAL OF DEVICES INDICATED.
11. DISCONNECT AND REMOVE DUPLEX OR QUAD RECEPTACLE, COVERPLATE, DEVICE BOX AND ASSOCIATED BRANCH CIRCUIT WIRING/RACEWAY BACK TO SOURCE. PROVIDE BLANK METAL COVERPLATE FOR DEVICE BOX ON EXISTING WALLS TO REMAIN.
12. DISCONNECT AND REMOVE EXISTING CLOCK AND TURN OVER TO OWNER.
13. DISCONNECT AND REMOVE DATA JACK(S), COVERPLATE AND CABLING BACK TO SOURCE DATA RACK IN ITS ENTIRETY.
14. DISCONNECT, REMOVE AND STORE EXISTING CEILING MOUNTED WIRELESS ACCESS POINT. MAINTAIN AND EXISTING WIRING FOR REUSE AND TAG.

GENERAL NOTES

A. E - EXISTING TO REMAIN, ANY DEVICE, AS WELL AS ITS' ASSOCIATED CIRCUITING AND CONDUIT, LABELED (E)' SHALL REMAIN, UNLESS OTHERWISE NOTED.

B. THE CONTRACTOR SHALL REMOVE THE EXISTING ELECTRIC IN AREAS OF NEW RENOVATIONS TO ACCOMMODATE NEW CONSTRUCTION. REROUTING OF EXISTING MAY BE REQUIRED AT NEW OPENINGS IN EXISTING CONSTRUCTION OR INTERFERENCE WITH OTHER NEW WORK AS NOTED IN THE FOLLOWING NOTES.

C. DRAWINGS INDICATE SPECIFIC ITEMS TO BE REMOVED AND/OR RELOCATED IN ORDER TO INDICATE GENERAL SCOPE. ADDITIONAL ITEMS NOT INDICATED, BUT NECESSARY FOR PROJECT RENOVATIONS, SHALL BE REMOVED, RELOCATED AND/OR REROUTED. THE CONTRACTOR SHALL ASSUME WITHIN THE BASE BID A NOMINAL AMOUNT OF BRANCH CIRCUITS, FIXTURES, DEVICES, AND SYSTEMS WIRING WITHIN WALLS OR OPENINGS BEING REMOVED OR RELOCATED AS REQUIRED TO ACCOMMODATE THE NEW CONSTRUCTION.

D. WHERE DEVICES, FIXTURES, ETC. ARE INDICATED TO BE REMOVED, THEY AND THEIR RELATED WIRING/CONDUIT SHALL BE REMOVED BACK TO THE SOURCE PANELBOARD UNLESS OTHERWISE NOTED. ON CIRCUITS WHERE OTHER DEVICES, FIXTURES, ETC. ARE FOUND THAT MUST REMAIN, MAINTAIN CIRCUIT CONTINUITY BY PROVIDING ADDITIONAL WIRING, TO FEED THROUGH TO THESE REMAINING ITEMS. RELOCATE ANY CIRCUITS THAT REMAIN, TO AVOID CONFLICT WITH NEW CONSTRUCTION AS REQUIRED. PROPERLY TERMINATE ALL WIRING.

E. COORDINATE DEMOLITION OF EQUIPMENT, DEVICES, ETC. WITH OTHER DISCIPLINES AS APPLICABLE. REFER TO ARCHITECTURAL DEMOLITION DRAWINGS AND NOTES FOR COORDINATION.

F. DRAWINGS ARE GRAPHICAL REPRESENTATIONS OF APPROXIMATE EQUIPMENT AND DEVICE LOCATIONS. CONTRACTOR SHALL VISIT THE SITE TO DETERMINE THE EXACT EXTENT OF ELECTRICAL WORK REQUIRED TO COMPLETE THE PROJECT. EXISTING CONDITIONS ARE TAKEN FROM FIELD OBSERVATION AND EXISTING BUILDING DOCUMENTS. OTHER ELECTRICAL ITEMS MAY EXIST FOR WHICH THE CONTRACTOR IS RESPONSIBLE.

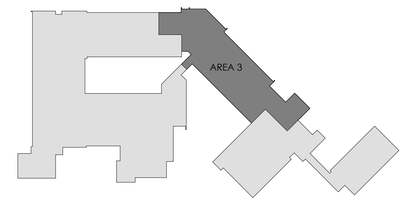
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H. CONTRACTOR SHALL REMOVE AND RE-INSTALL EXISTING CEILING TILES AS REQUIRED TO ACCOMMODATE SCOPE OF WORK. TILES SHALL BE VACUUMED PRIOR TO REMOVAL TO MINIMIZE DUST AND DEBRIS. REPLACE DAMAGED TILES AS REQUIRED.

I. CONTRACTOR SHALL PROVIDE NEW COVERPLATES ON ALL BOXES OF UNUSED AND/OR REMOVED FLUSH MOUNT DEVICES UPON COMPLETION OF PROJECT.

J. FIREPROOFING AND/OR FIRE STOP MATERIALS REMOVED FROM FIRE RATED WALLS AND CEILINGS AS A RESULT OF DEMOLITION SHALL BE RE-INSTALLED USING AN APPROVED METHOD AS DESCRIBED IN ASSOCIATED PROJECT SPECIFICATIONS.

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KEYPLAN - AREA 3
1" = 100'-0"

TRUE NORTH

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PROJECT INFORMATION

Project Number
13940.20

Client Name
NEWBURGH ENLARGED CITY SCHOOL DISTRICT

Project Name
PHASE 5: 2019 CAPITAL IMPROVEMENTS PROJECT

SED # 44-16-00-01-0-018-009

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REVISION SCHEDULE

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Checked By: JAS

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ELECTRICAL DEMOLITION FLOOR PLAN AREA 3

VG
E100.3

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KEY NOTES

1. DISCONNECT AND REMOVE EXISTING BRANCH CIRCUIT WIRING AND CONDUIT BACK TO SOURCE IN ITS ENTIRETY.
2. DISCONNECT , REMOVE AND STORE EXISTING LIGHTING FIXTURE INDICATED BY (E) WITHIN THIS ROOM TO ALLOW INSTALLATION OF HVAC DUCTWORK. MAINTAIN EXISTING WIRING AND TAG FOR REUSE.
3. DISCONNECT AND REMOVE EXISTING 240 VOLT, 2-POLE RECEPTACLE, RACEWAY, TIMER SWITCH IN THEIR ENTIRETY AND REMOVE WIRING BACK TO SOURCE PANELBOARD AC-2.
4. DISCONNECT AND REMOVE OVERHEAD ELECTRIC COMMUNICATIONS WIRING, BUILDING ATTACHMENTS AND WIRING WITHIN BUILDING BACK TO SOURCE.
5. DISCONNECT AND REMOVE EXPOSED UNDERGROUND ELECTRIC CONDUCTORS FROM BUILDING PANELBOARDS BACK TO SOURCE FEED, ABANDON UNDERGROUND WHERE NOT IN CONFLICT WITH CONSTRUCTION OF ADDITION.
6. DISCONNECT AND REMOVE ALL LIGHTING FIXTURES, EXIT SIGNS AND EMERGENCY BATTERY LIGHITNG UNITS WITHIN THIS BUILDING AND DISPOSE OF PROPERLY TO ALLOW DEMOLISHING OF BUILDING.
7. DISCONNECT AND REMOVE EXISTING OVERHEAD ELECTRIC FROM BUILDING TO UTILITY POLE AT STREET. REMOVE POINT OF ATTACHMENT AND RISER ON SIDE OF BUILDING. COORDINATE WITH UTIITY FOR DISCONNECTION.
8. DISCONNECT AND REMOVE EXISTING 600 AMP, 3-POLE , 208 VOLT DISCONNECT SWITCH. MAINTAIN EXISTING SOURCE FEEDER CONDUCTORS FOR REUSE.
9. DISCONNECT AND REMOVE EXISTING 400 AMP, 120/208 VOLT, 3-PHASE, 4-WIRE SURFACE MOUNTED POWER DISTRIBUTION PANELBOARD. DISCONNECT AND REMOVE SOURCE FEEDER CONDUCTORS IN RACEWAY BACK TO DISCONNECT SWITCH. MAINTAIN EXISTING LOAD SIDE FEEDER AND BRANCH CIRCUIT CONDUCTORS FOR RECONNECTION TO REPLACEMENT PANELBOARD.
10. DISCONNECT AND REMOVE EXISTING 100 AMP, 120/208 VOLT, 3-PHASE, 4-WIRE FLUSH MOUNTED PANELBOARD INTERIOR GUTS. MAINTAIN EXISTING BACKBOX AND LINE AND LOAD SIDE CONDUCTORS IN RACEWAY FOR EXTENSION AND RECONNECTION TO REPLACEMENT PANELBOARD.
11. DISCONNECT AND REMOVE EXISTING DICONNECT SWITCHE(S) AND POWER TO CONDENSING UNITS AND EVAPORATOR UNITS WITHIN AND ALL ASSOCIATED WIRING/CONDUITS BACK TO SOURCE IN THEIR ENTIRETY.

GENERAL NOTES

A. E - EXISTING TO REMAIN. ANY DEVICE, AS WELL AS ITS' ASSOCIATED CIRCUITING AND CONDUIT, LABELED (E)' SHALL REMAIN, UNLESS OTHERWISE NOTED.

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C. DRAWINGS INDICATE SPECIFIC ITEMS TO BE REMOVED AND/OR RELOCATED IN ORDER TO INDICATE GENERAL SCOPE. ADDITIONAL ITEMS NOT INDICATED, BUT NECESSARY FOR PROJECT RENOVATIONS, SHALL BE REMOVED, RELOCATED AND/OR REROUTED. THE CONTRACTOR SHALL ASSUME WITHIN THE BASE BID A NOMINAL AMOUNT OF BRANCH CIRCUITS, FIXTURES, DEVICES, AND SYSTEMS WIRING WITHIN WALLS OR OPENINGS BEING REMOVED OR RELOCATED AS REQUIRED TO ACCOMMODATE THE NEW CONSTRUCTION.

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E. COORDINATE DEMOLITION OF EQUIPMENT, DEVICES, ETC. WITH OTHER DISCIPLINES AS APPLICABLE. REFER TO ARCHITECTURAL DEMOLITION DRAWINGS AND NOTES FOR COORDINATION.

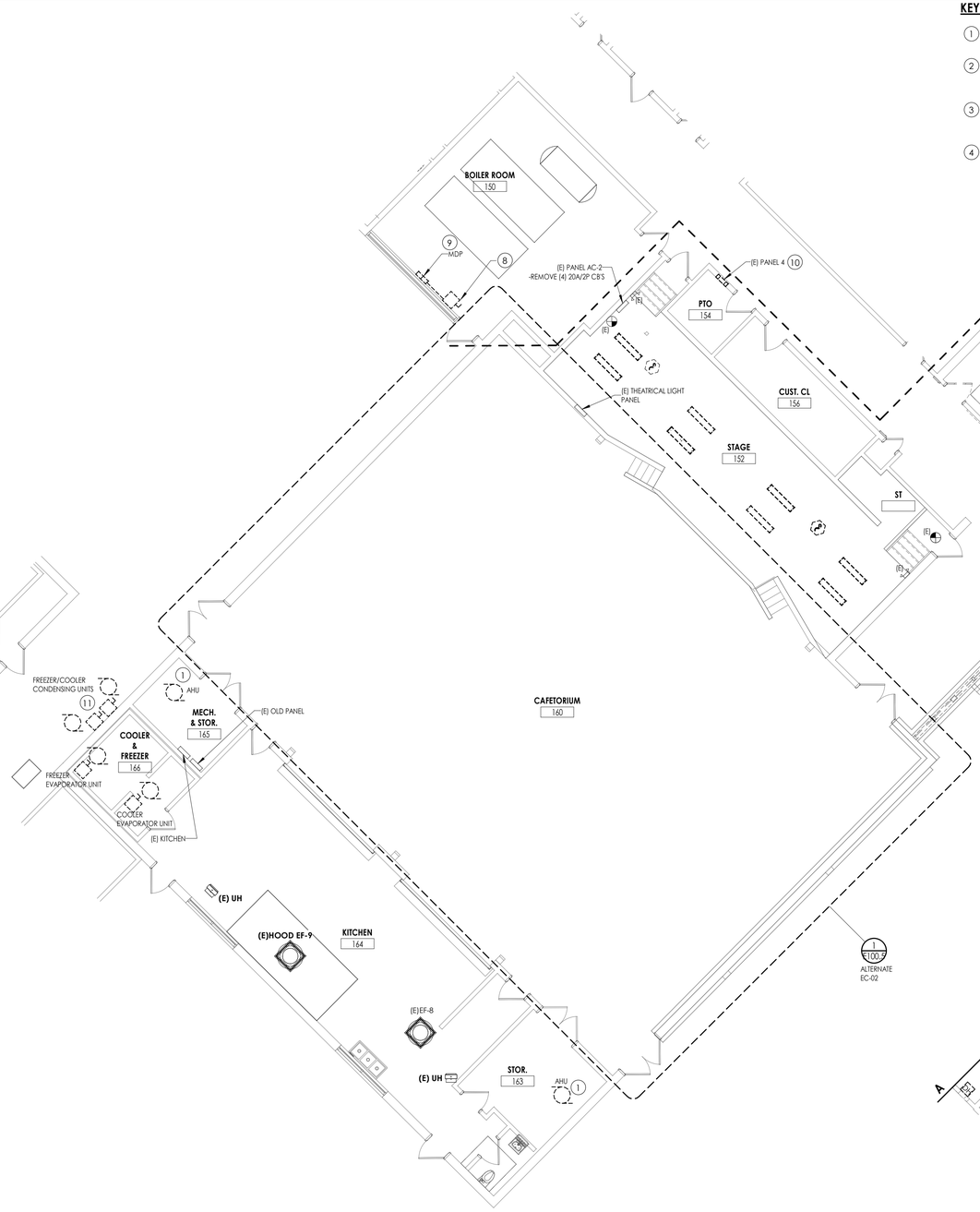
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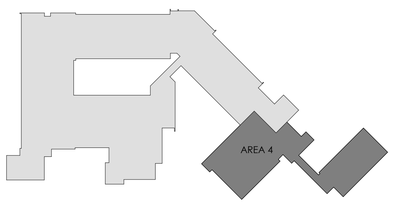
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I. CONTRACTOR SHALL PROVIDE NEW COVERPLATES ON ALL BOXES OF UNUSED AND/OR REMOVED FLUSH MOUNT DEVICES UPON COMPLETION OF PROJECT.

J. FIREPROOFING AND/OR FIRE STOP MATERIALS REMOVED FROM FIRE RATED WALLS AND CEILINGS AS A RESULT OF DEMOLITION SHALL BE RE-INSTALLED USING AN APPROVED METHOD AS DESCRIBED IN ASSOCIATED PROJECT SPECIFICATIONS.



1 E100.4 **ELECTRICAL DEMOLITION PLAN BASE BID - AREA 4A**
1/8" = 1'-0"



KEYPLAN - AREA 4
1" = 100'-0"

TRUE NORTH



2 E100.4 **ELECTRICAL DEMOLITION PLAN BASE BID - AREA 4B**
1/8" = 1'-0"

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50 FRONT ST. SUITE 102
NEWBURGH, NY 12550
CPLteam.com

PROJECT INFORMATION

Project Number
13940.20

Client Name
NEWBURGH ENLARGED CITY SCHOOL DISTRICT

Project Name
PHASE 5: 2019 CAPITAL IMPROVEMENTS PROJECT

SED # 44-16-00-01-0-018-009

Project Address
400 Old Forge Hill Rd, New Windsor, NY 12553

REVISION SCHEDULE

#	Date	Description

SHEET INFORMATION

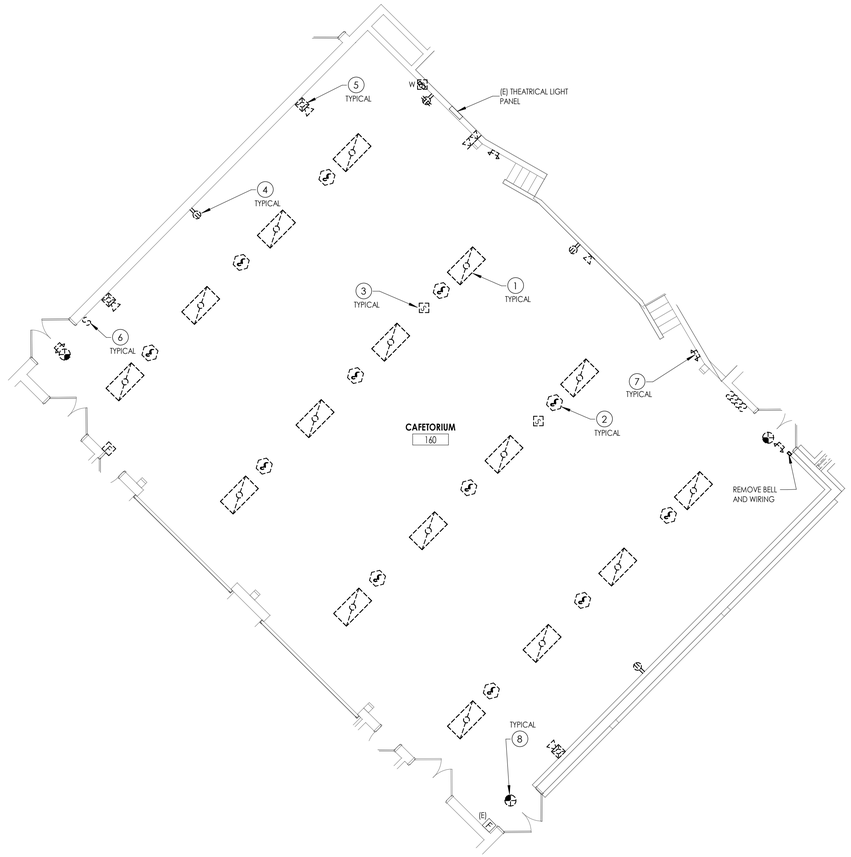
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Drawn By: MAY
Checked By: JAS

Drawing Title
ELECTRICAL DEMOLITION FLOOR PLAN AREA 4

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E100.4

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1 E100.5 **ELECTRICAL DEMOLITION PLAN CAFETERIA BAFFELS AND LIGHTING REPLACEMENT ALTERNATE EC-02**

1/8" = 1'-0"

GENERAL NOTES

A. E - EXISTING TO REMAIN. ANY DEVICE, AS WELL AS ITS' ASSOCIATED CIRCUITING AND CONDUIT, LABELED (E)" SHALL REMAIN, UNLESS OTHERWISE NOTED.

B. THE CONTRACTOR SHALL REMOVE THE EXISTING ELECTRIC IN AREAS OF NEW RENOVATIONS TO ACCOMMODATE NEW CONSTRUCTION. REROUTING OF EXISTING MAY BE REQUIRED AT NEW OPENINGS IN EXISTING CONSTRUCTION OR INTERFERENCE WITH OTHER NEW WORK AS NOTED IN THE FOLLOWING NOTES.

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D. WHERE DEVICES, FIXTURES, ETC. ARE INDICATED TO BE REMOVED, THEY AND THEIR RELATED WIRING/CONDUIT SHALL BE REMOVED BACK TO THE SOURCE PANELBOARD UNLESS OTHERWISE NOTED. ON CIRCUITS WHERE OTHER DEVICES, FIXTURES, ETC. ARE FOUND THAT MUST REMAIN, MAINTAIN CIRCUIT CONTINUITY BY PROVIDING ADDITIONAL WIRING, TO FEED THROUGH TO THESE REMAINING ITEMS. RELOCATE ANY CIRCUITS THAT REMAIN, TO AVOID CONFLICT WITH NEW CONSTRUCTION AS REQUIRED. PROPERLY TERMINATE ALL WIRING.

E. COORDINATE DEMOLITION OF EQUIPMENT, DEVICES, ETC. WITH OTHER DISCIPLINES AS APPLICABLE. REFER TO ARCHITECTURAL DEMOLITION DRAWINGS AND NOTES FOR COORDINATION.

F. DRAWINGS ARE GRAPHICAL REPRESENTATIONS OF APPROXIMATE EQUIPMENT AND DEVICE LOCATIONS. CONTRACTOR SHALL VISIT THE SITE TO DETERMINE THE EXACT EXTENT OF ELECTRICAL WORK REQUIRED TO COMPLETE THE PROJECT. EXISTING CONDITIONS ARE TAKEN FROM FIELD OBSERVATION AND EXISTING BUILDING DOCUMENTS. OTHER ELECTRICAL ITEMS MAY EXIST FOR WHICH THE CONTRACTOR IS RESPONSIBLE.

G. CONTRACTOR SHALL PROPERLY DISPOSE OF ALL ITEMS, EQUIPMENT, PANELS, LIGHT FIXTURES, ETC. BEING REMOVED AS PART OF THIS PROJECT. THE OWNER SHALL HAVE THE RIGHT OF RETAINING ANY ITEMS BEING REMOVED.

H. CONTRACTOR SHALL REMOVE AND RE-INSTALL EXISTING CEILING TILES AS REQUIRED TO ACCOMMODATE SCOPE OF WORK. TILES SHALL BE VACUUMED PRIOR TO REMOVAL TO MINIMIZE DUST AND DEBRIS. REPLACE DAMAGED TILES AS REQUIRED.

I. CONTRACTOR SHALL PROVIDE NEW COVERPLATES ON ALL BOXES OF UNUSED AND/OR REMOVED FLUSH MOUNT DEVICES UPON COMPLETION OF PROJECT.

J. FIREPROOFING AND/OR FIRE STOP MATERIALS REMOVED FROM FIRE RATED WALLS AND CEILINGS AS A RESULT OF DEMOLITION SHALL BE RE-INSTALLED USING AN APPROVED METHOD AS DESCRIBED IN ASSOCIATED PROJECT SPECIFICATIONS.

K. CONTRACTOR SHALL PROVIDE NEW COVERPLATES ON ALL BOXES OF UNUSED AND/OR REMOVED FLUSH MOUNT DEVICES UPON COMPLETION OF PROJECT.

KEY NOTES

1. DISCONNECT AND REMOVE EXISTING LIGHTING FIXTURES, OCCUPANCY SENSOR AND CONTROLS, AND ASSOCIATED BRANCH CIRCUIT WIRING/RACEWAY BACK TO SOURCE AS INDICATED, TYPICAL UNLESS NOTED OTHERWISE.
2. DISCONNECT AND REMOVE EXISTING FIRE ALARM SMOKE DETECTOR AND ASSOCIATED WIRING BACK TO SOURCE.
3. DISCONNECT AND REMOVE EXISTING BUILDING PUBLIC ADDRESS SYSTEM CEILING OR WALL SPEAKER. REMOVE WIRING BACK TO SOURCE.
4. DISCONNECT AND REMOVE EXISTING DUPLEX RECEPTACLE AND COVERPLATE. MAINTAIN EXISTING BRANCH CIRCUIT FOR RECONNECTION TO REPLACEMENT DUPLEX RECEPTACLE.
5. DISCONNECT AND REMOVE EXISTING FIRE ALARM SYSTEM DEVICE AND ASSOCIATED WIRING/RACEWAY BACK TO SOURCE , TYPICAL OF IRE ALARM DEVICES INDICATED.
6. DISCONNECT AND REMOVE EXISTING LIGHTING SWITCH, COVERPLATE AND ASSOCIATED BRANCH CIRCUIT WIRING BACK TO SOURCE. PROVIDE BLANK METAL COVERPLATE.
7. DISCONNECT AND REMOVE EXISTING EMERGENCY BATTERY PACK, PROTECTIVE VANDAL GUARD AND ASSOCIATED BRANCH CIRCUIT WIRING BACK TO SOURCE.
8. DISCONNECT AND REMOVE EXISTING EXIT SIGN AND ASSOCIATED BRANCH CIRCUIT WIRING BACK TO SOURCE.

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PHASE 5: 2019 CAPITAL IMPROVEMENTS PROJECT

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SHEET INFORMATION

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09/27/21
BID SUBMISSION

Drawn By: JAS
Checked By: JAS

Drawing Title
ELECTRICAL DEMOLITION FLOOR PLAN CAFETERIA BAFFELS AND LIGHTING REPLACEMENT ALTERNATE EC-02

VG
E100.5

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KEY NOTES

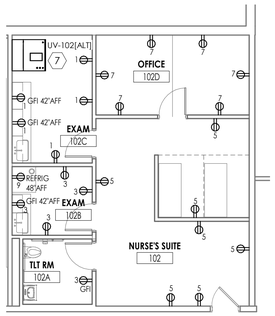
1. PROVIDE 120/208V, 3-PHASE, 4-WIRE, 225 AMP, 42 CIRCUIT PANELBOARD AT LOCATION SHOWN. REFER TO DRAWING E001 FOR FURTHER INFORMATION.
2. PROVIDE 4" THICK, 3000PSI CONCRETE EQUIPMENT PAD WITH DIMENSIONS 4" GREATER THAN FOOTPRINT OF SWITCHBOARD HOUSING.
3. PROVIDE CONCRETE AND FOUNDATION WALL CONDUIT PENETRATIONS INTO ROOM TO ENTER BOTTOM OF SWITCHBOARD. PATCH AND SEAL CONDUITS WITH WATERTIGHT SEALING FITTINGS.

GENERAL NOTES

A. AT EACH (X) SYMBOL INDICATES, REFER TO ELECTRICAL EQUIPMENT WIRING SCHEDULE ON DRAWING E900.

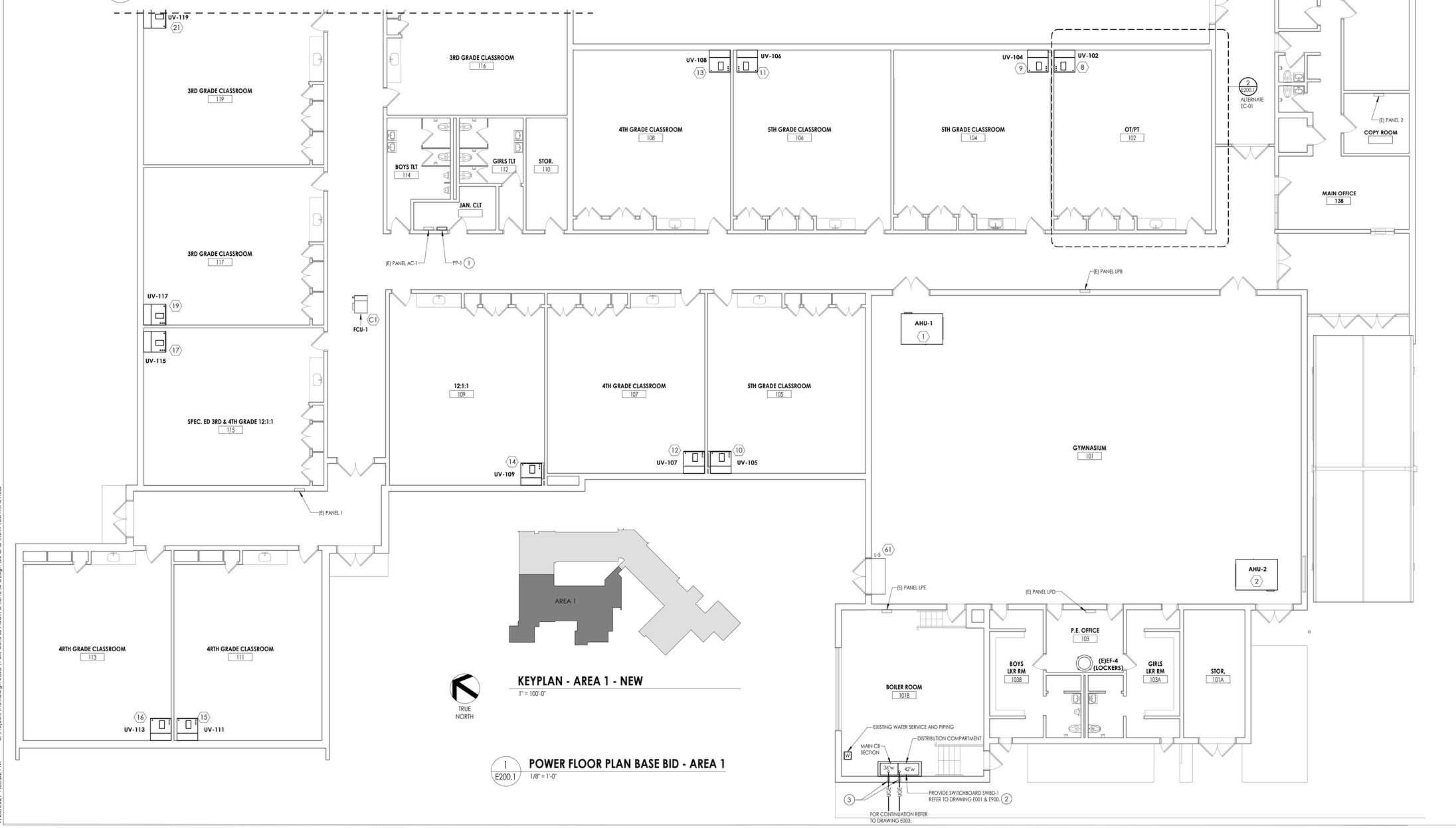
B. UNLESS NOTED OTHERWISE, CONNECT NEW DEVICES SHOWN TO PANEL "PP-1" WITH (2) #12, (1) #12 EGC IN RACEWAY. CONNECT TO 20A/1P CIRCUIT BREAKERS AT CIRCUIT NUMBER INDICATED ADJACENT TO DEVICE.

C. PROVIDE #10 THHN FOR ANY CIRCUITS OVER 100'.



2 E200.1 POWER FLOOR PLAN NURSE RELOCATION ALTERNATE EC-01

1/8" = 1'-0"



TRUE NORTH

KEYPLAN - AREA 1 - NEW

1" = 100'-0"

1 E200.1 POWER FLOOR PLAN BASE BID - AREA 1

1/8" = 1'-0"

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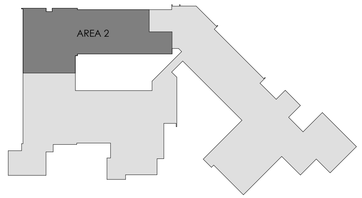
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Drawn By: MAY
Checked By: JAS

Drawing Title
POWER FLOOR PLAN AREA 1

VG
E200.1

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KEYPLAN - AREA 2 - NEW

1" = 100'-0"

TRUE NORTH

GENERAL NOTES

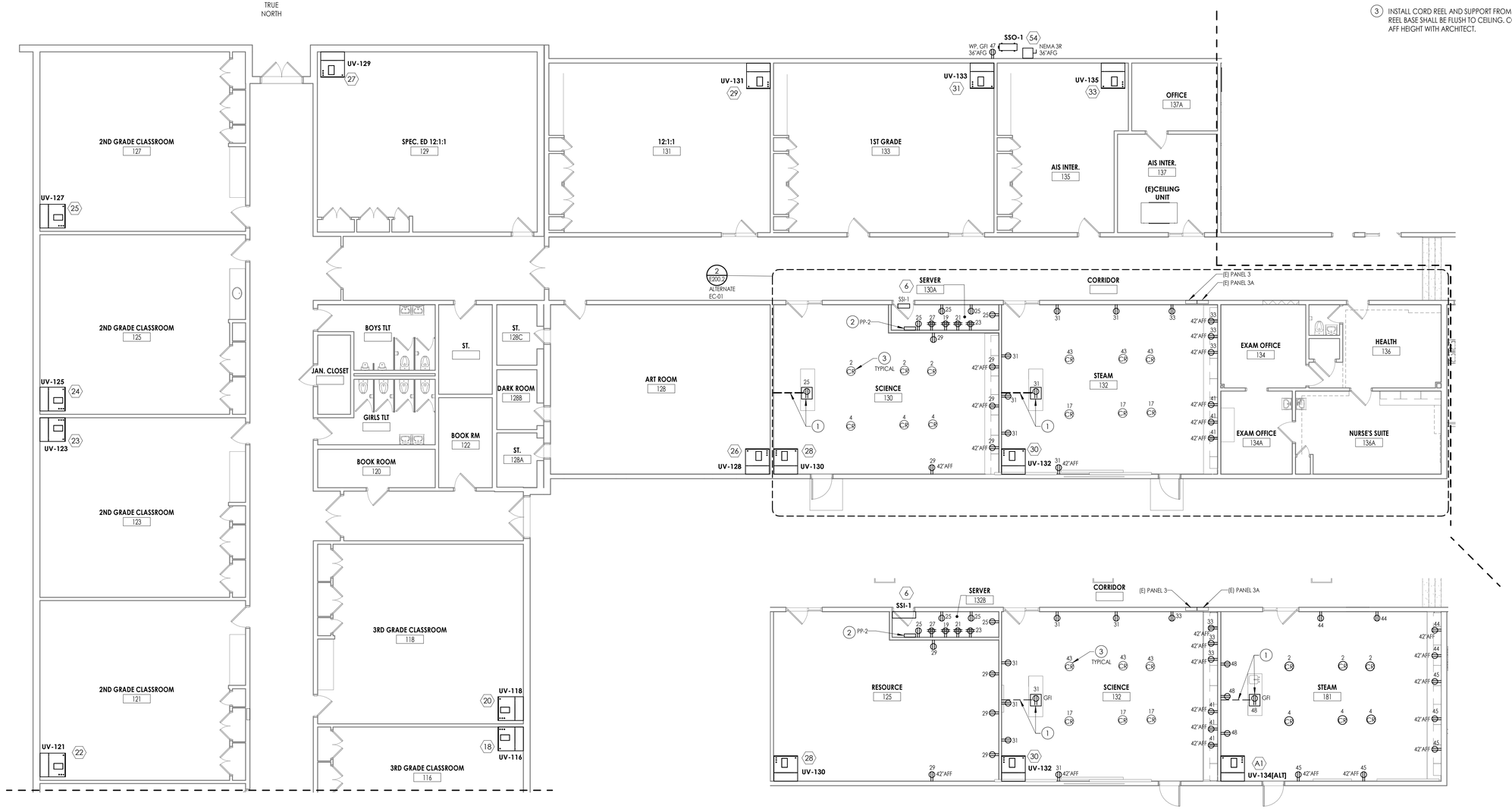
A. AT EACH (X) SYMBOL INDICATES, REFER TO ELECTRICAL EQUIPMENT WIRING SCHEDULE ON DRAWING E900.

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C. PROVIDE #10 THHN FOR ANY CIRCUITS OVER 100'.

KEY NOTES

1. PROVIDE SAW CUTTING OF EXISTING CONCRETE FLOOR TO INSTALL RIGID GALVANIZED STEEL CONDUIT WITH (2) #12, (1) #12 EGC CONDUCTORS TO SERVE RECESSED FLOOR BOX. RISE CONDUIT OUT OF FLOOR AT WALL AND CONNECT TO CIRCUIT INDICATED. PATCH AND RESTORE FLOOR TO LEVEL CONDITION. PROVIDE RECESSED FLOOR BOX WITH DUPLEX RECEPTACLE. SAW CUT LARGE ENOUGH OPENING TO INSTALL NEW WORK TYPE BOX AND BACKFILL SIDES WITH CONCRETE TO COMPLETE INSTALLATION. COORDINATE LOCATION OF DEVICE WITH ARCHITECT AND FURNITURE VENDOR.
2. PROVIDE 120/208V, 3-PHASE, 4-WIRE, 225 AMP, 54 CIRCUIT PANELBOARD AT LOCATION SHOWN. REFER TO DRAWING E001 FOR FURTHER INFORMATION.
3. INSTALL CORD REEL AND SUPPORT FROM STRUCTURE ABOVE CEILING. CORD REEL BASE SHALL BE FLUSH TO CEILING. COORDINATE HANGING RECEPTACLE AFF HEIGHT WITH ARCHITECT.



1 E200.2 **POWER FLOOR PLAN BASE BID - AREA 2**

1/8" = 1'-0"

2 E200.2 **POWER FLOOR PLAN NURSE RELOCATION ALT. EC-01**

1/8" = 1'-0"

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PROJECT INFORMATION

Project Number
13940.20

Client Name
NEWBURGH ENLARGED CITY SCHOOL DISTRICT

Project Name
PHASE 5: 2019 CAPITAL IMPROVEMENTS PROJECT

SED # 44-16-00-01-0-018-009

Project Address
400 Old Forge Hill Rd, New Windsor, NY 12553

REVISION SCHEDULE

#	Date	Description

SHEET INFORMATION

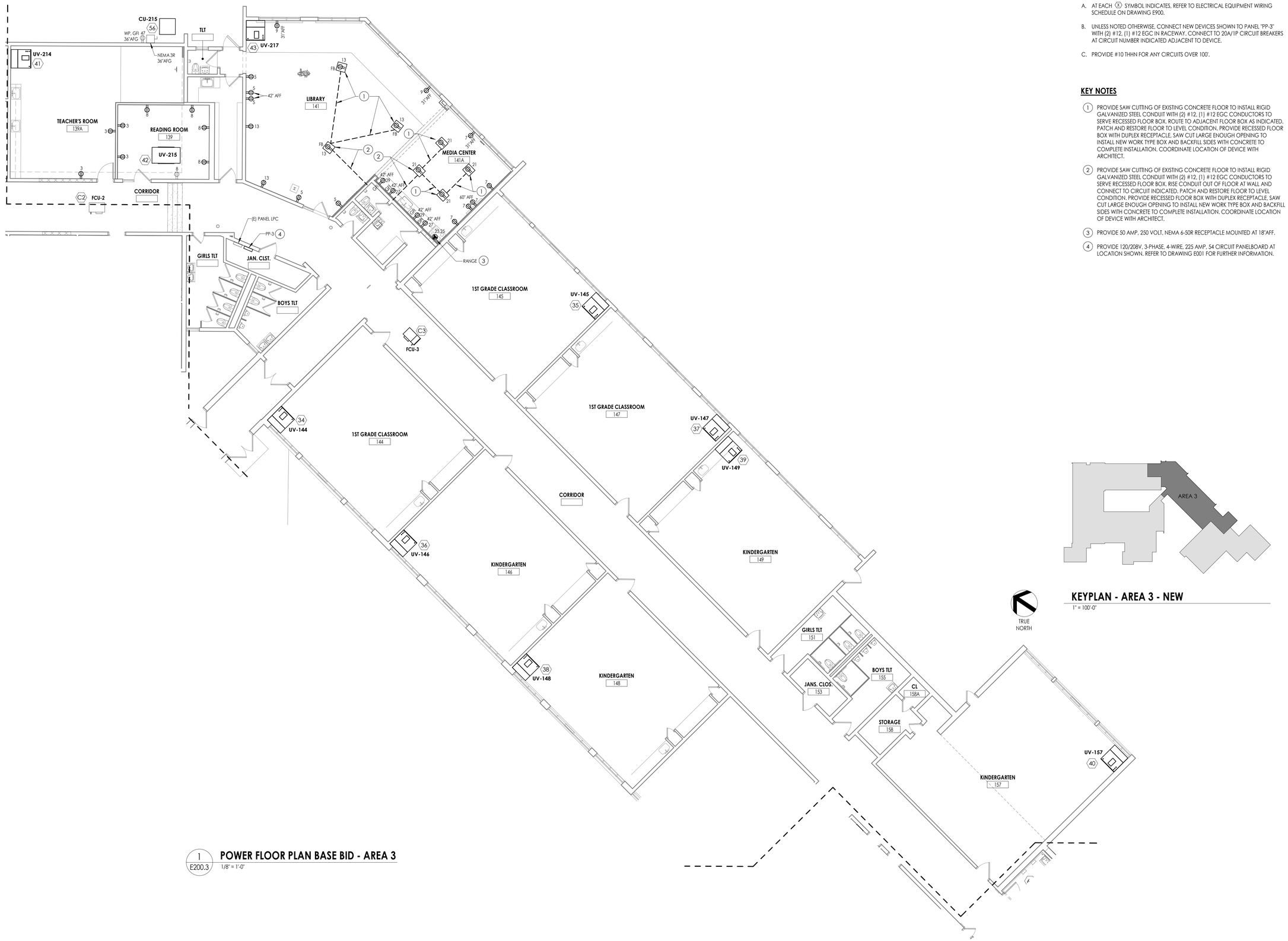
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Drawn By: MAY
Checked By: JAS

Drawing Title
POWER FLOOR PLAN AREA 2

VG
E200.2

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1 E200.3 **POWER FLOOR PLAN BASE BID - AREA 3**
1/8" = 1'-0"

GENERAL NOTES

A. AT EACH (X) SYMBOL INDICATES, REFER TO ELECTRICAL EQUIPMENT WIRING SCHEDULE ON DRAWING E900.

B. UNLESS NOTED OTHERWISE, CONNECT NEW DEVICES SHOWN TO PANEL "PP-3" WITH (2) #12, (1) #12 EGC IN RACEWAY. CONNECT TO 20A/1P CIRCUIT BREAKERS AT CIRCUIT NUMBER INDICATED ADJACENT TO DEVICE.

C. PROVIDE #10 THHN FOR ANY CIRCUITS OVER 100'.

KEY NOTES

1. PROVIDE SAW CUTTING OF EXISTING CONCRETE FLOOR TO INSTALL RIGID GALVANIZED STEEL CONDUIT WITH (2) #12, (1) #12 EGC CONDUCTORS TO SERVE RECESSED FLOOR BOX. ROUTE TO ADJACENT FLOOR BOX AS INDICATED. PATCH AND RESTORE FLOOR TO LEVEL CONDITION. PROVIDE RECESSED FLOOR BOX WITH DUPLEX RECEPTACLE. SAW CUT LARGE ENOUGH OPENING TO INSTALL NEW WORK TYPE BOX AND BACKFILL SIDES WITH CONCRETE TO COMPLETE INSTALLATION. COORDINATE LOCATION OF DEVICE WITH ARCHITECT.
2. PROVIDE SAW CUTTING OF EXISTING CONCRETE FLOOR TO INSTALL RIGID GALVANIZED STEEL CONDUIT WITH (2) #12, (1) #12 EGC CONDUCTORS TO SERVE RECESSED FLOOR BOX. RISE CONDUIT OUT OF FLOOR AT WALL AND CONNECT TO CIRCUIT INDICATED. PATCH AND RESTORE FLOOR TO LEVEL CONDITION. PROVIDE RECESSED FLOOR BOX WITH DUPLEX RECEPTACLE. SAW CUT LARGE ENOUGH OPENING TO INSTALL NEW WORK TYPE BOX AND BACKFILL SIDES WITH CONCRETE TO COMPLETE INSTALLATION. COORDINATE LOCATION OF DEVICE WITH ARCHITECT.
3. PROVIDE 50 AMP, 250 VOLT, NEMA 6-50R RECEPTACLE MOUNTED AT 18"AFF.
4. PROVIDE 120/208V, 3-PHASE, 4-WIRE, 225 AMP, 54 CIRCUIT PANELBOARD AT LOCATION SHOWN. REFER TO DRAWING E001 FOR FURTHER INFORMATION.

TRUE NORTH

KEYPLAN - AREA 3 - NEW
1" = 100'-0"

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PROJECT INFORMATION

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13940.20

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PHASE 5: 2019 CAPITAL IMPROVEMENTS PROJECT

SED # 44-16-00-01-0-018-009

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POWER FLOOR PLAN AREA 3

VG
E200.3

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GENERAL NOTES

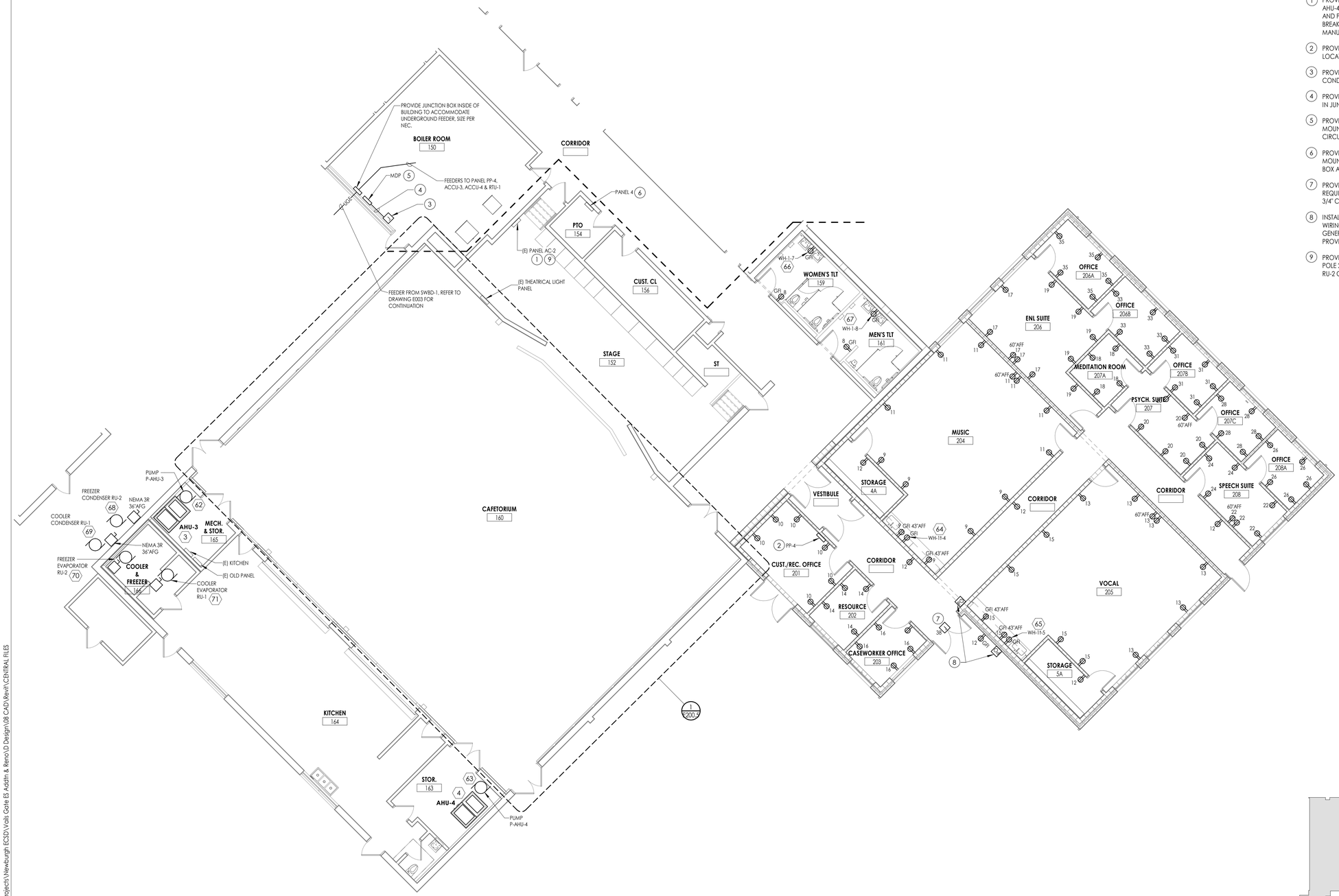
A. AT EACH Ⓧ SYMBOL INDICATES, REFER TO ELECTRICAL EQUIPMENT WIRING SCHEDULE ON DRAWING E900.

B. UNLESS NOTED OTHERWISE, CONNECT NEW DEVICES SHOWN TO PANEL "PP-3" WITH (2) #12, (1) #12 EGC IN RACEWAY. CONNECT TO 20A/1P CIRCUIT BREAKERS AT CIRCUIT NUMBER INDICATED ADJACENT TO DEVICE.

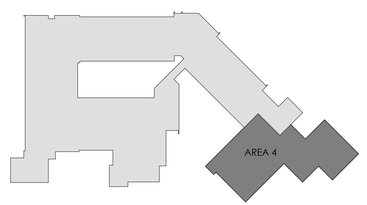
C. PROVIDE #10 THHN FOR ANY CIRCUITS OVER 100'.

KEY NOTES

1. PROVIDE (2) 50 AMP, 3-POLE 208 VOLT CIRCUIT BREAKERS (SERVE AHU-3 AND AHU-4) AND (1) 20 AMP, 1-POLE 120 VOLT CIRCUIT BREAKER (SERVE P-AHU-3 AND P-AHU-4) INSTALLED WITHIN EXISTING PANELBOARD SPACES. CIRCUIT BREAKERS TO BE UL LISTED FOR INSTALLATION INTO EXISTING PANELBOARD MANUFACTURED BY SQUARE D NQOB SERIES.
2. PROVIDE 120/208V, 3-PHASE, 4-WIRE, 225 AMP, 54 CIRCUIT PANELBOARD AT LOCATION SHOWN. REFER TO DRAWING E001 FOR FURTHER INFORMATION.
3. PROVIDE 24" SQUARE METAL JUNCTION BOX TO SPLICE EXISTING FEEDER CONDUCTORS WITHIN TO PROVIDED FEEDER CONDUCTORS.
4. PROVIDE (4) 500 KCMIL, (1)#3 EGC IN 3" EMT CONDUIT. SPLICE CONDUCTORS IN JUNCTION BOX AND TERMINATE TO REPLACEMENT PANELBOARD.
5. PROVIDE 400 AMP, 120/208 VOLT, 3-PHASE, 4-WIRE 54 CIRCUIT SURFACE MOUNTED REPLACEMENT PANELBOARD. RECONNECT ALL EXISTING ACTIVE CIRCUITS. REFER TO PANELBOARD SCHEDULE ON DRAWING E902.
6. PROVIDE 150 AMP, 120/208 VOLT, 3-PHASE, 4-WIRE 42 CIRCUIT SURFACE MOUNTED REPLACEMENT PANELBOARD. MOUNTED OVER EXISTING RECESSED BOX AND EXTEND AND CONNECT EXISTING CIRCUITS TO PANELBOARD.
7. PROVIDE 120-VOLT POWER IN CEILING SPACE TO ACCOMMODATE POWER REQUIREMENTS FOR ADA DOOR EQUIPMENT. PROVIDE (2)#12, (1)#12 EGC IN 3/4" CONDUIT TO PANEL PP-4.
8. INSTALL ADA PUSHBUTTON OPERATOR AND ASSOCIATED POWER AND CONTROL WIRING BETWEEN DOORS AND BUTTONS. COORDINATE ALL WORK WITH GENERAL CONTRACTOR. ADA COMPONENTS AND POWER SUPPLIES TO BE PROVIDED WITH DOOR HARDWARE PACKAGE.
9. PROVIDE THE FOLLOWING ADDITIONAL NEW CIRCUIT BREAKERS: (2) 15 AMP, 2-POLE 208V (SERVE RU-1 COND & RU-1 EVAP), (1) 30 AMP, 2-POLE 208V (SERVE RU-2 COND) AND (1) 20 AMP, 1-POLE (SERVE RU-2 EVAP).



1 E200.4 **POWER FLOOR PLAN BASE BID - AREA 4**
1/8" = 1'-0"



KEYPLAN - AREA 4 - NEW
1" = 100'-0"

TRUE NORTH

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PROJECT INFORMATION

Project Number
13940.20

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NEWBURGH ENLARGED CITY SCHOOL DISTRICT

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Checked By: JAS

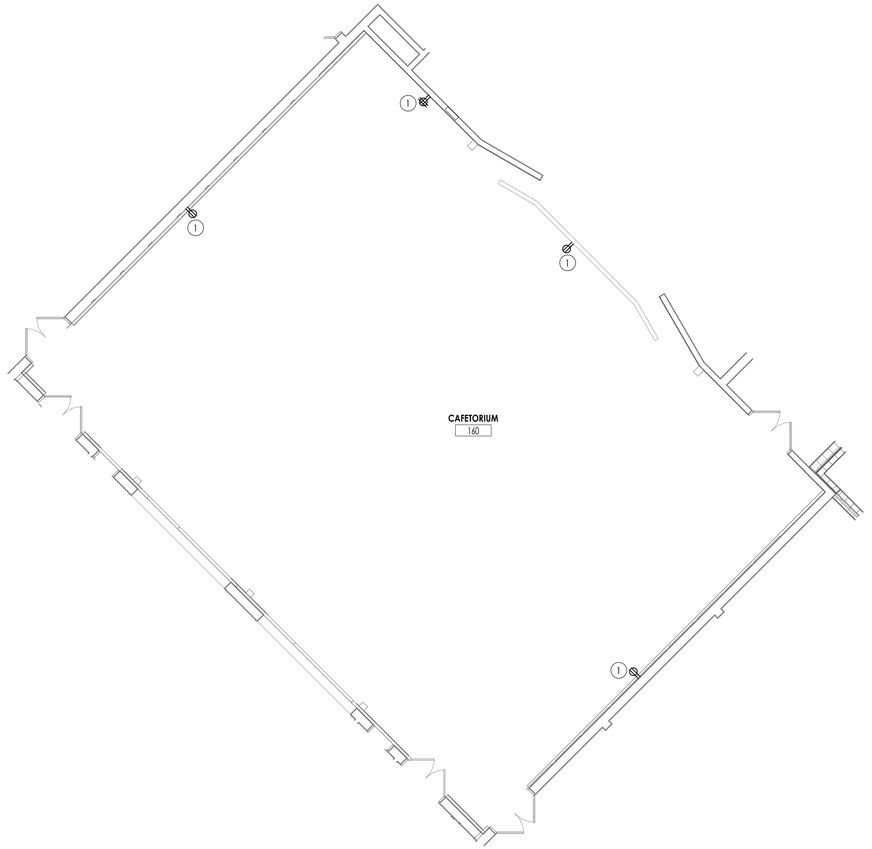
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POWER FLOOR PLAN AREA 4

VG
E200.4

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KEY NOTES

1. PROVIDE REPLACEMENT RECEPTACLE AND COVERPLATE INSTALLED AT EXISTING DEVICE BACKBOX. RECONNECT TO EXISTING MAINTAINED BRANCH CIRCUITRY.



1 E200.5 **POWER FLOOR PLAN CAFETERIA BAFFELS AND LIGHTING REPLACEMENT ALTERNATE EC-02**

1/8" = 1'-0"

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POWER FLOOR PLAN CAFETERIA BAFFELS AND LIGHTING REPLACEMENT ALTERNATE EC-02

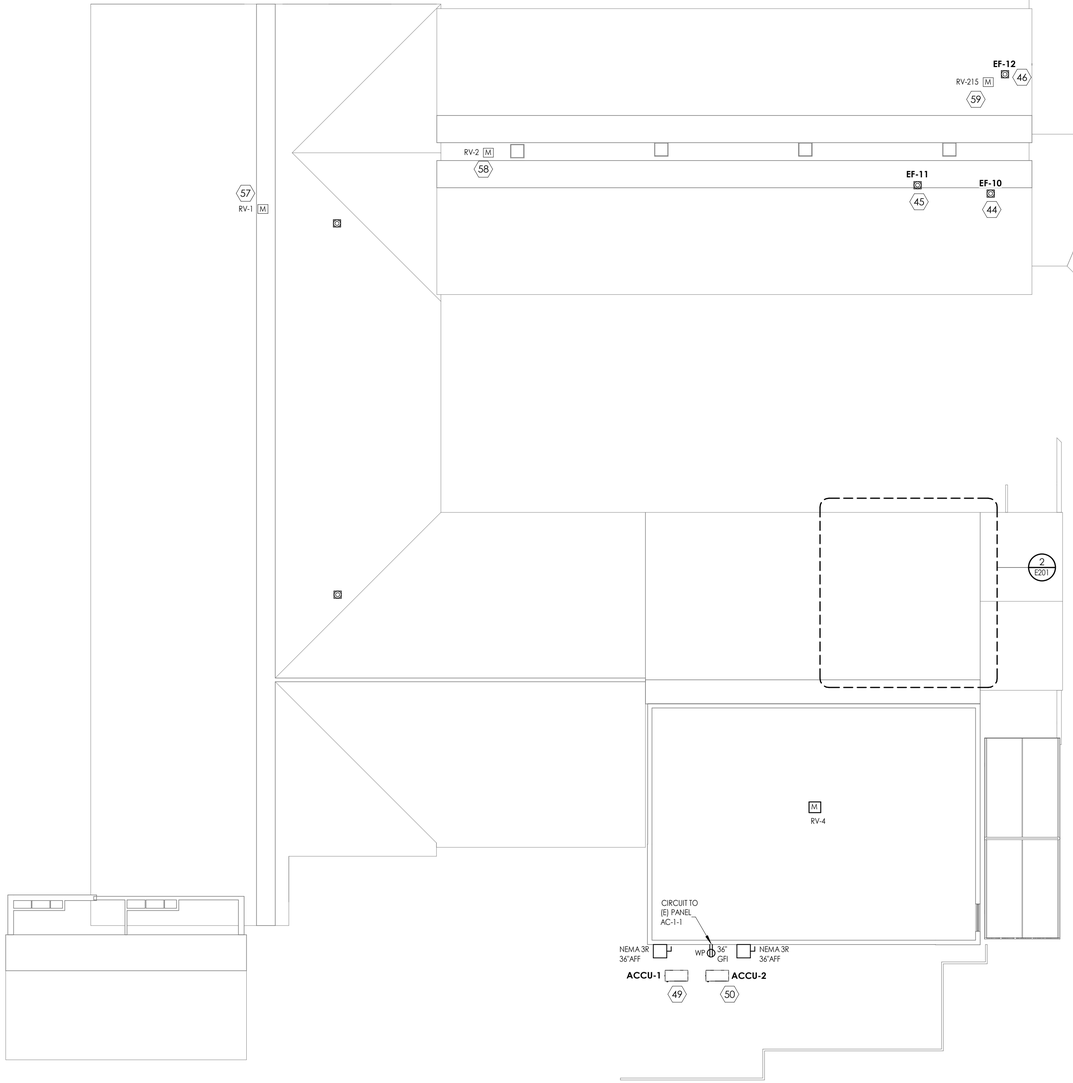
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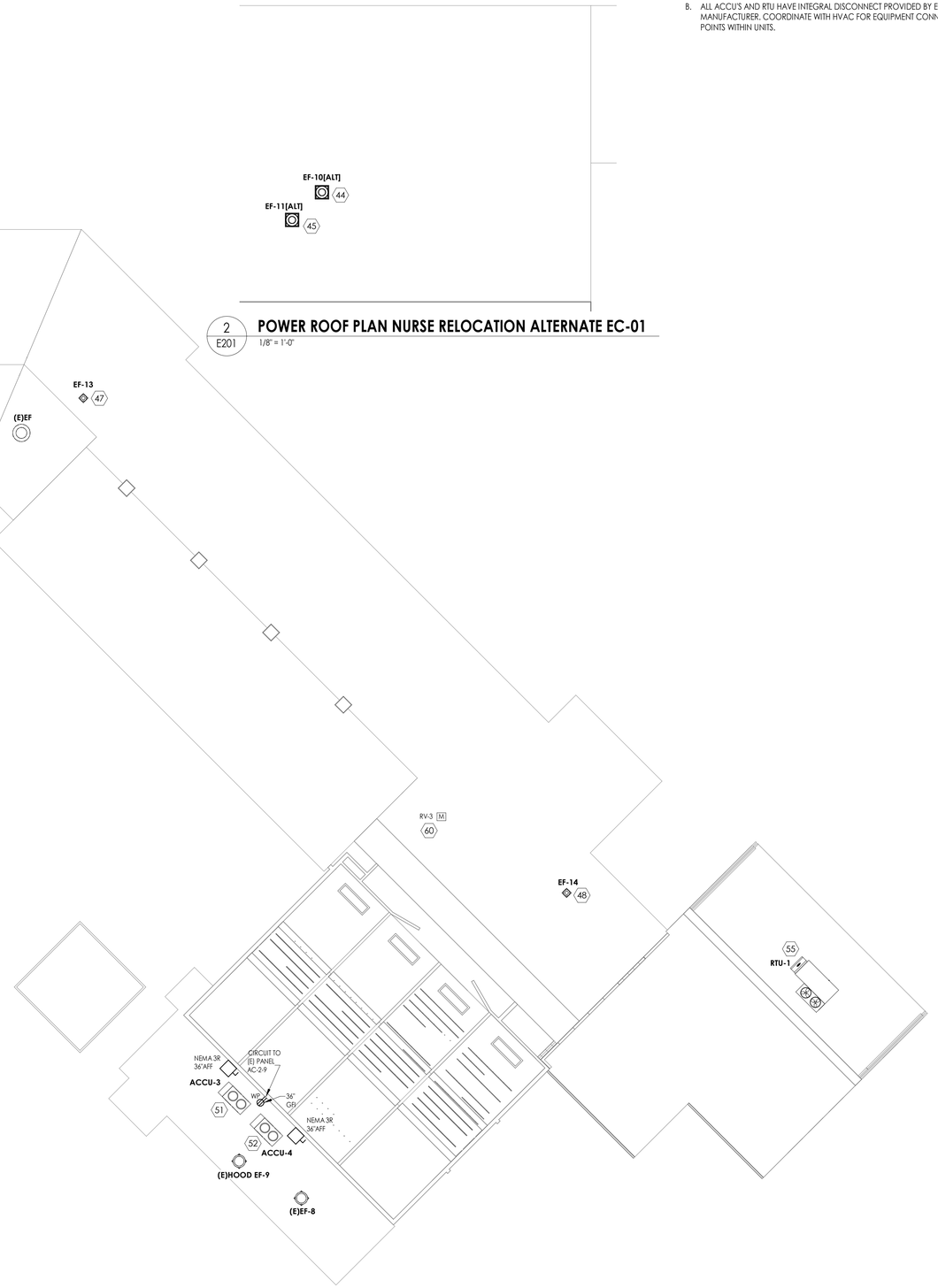
GENERAL NOTES

A. AT EACH Ⓧ SYMBOL INDICATES, REFER TO ELECTRICAL EQUIPMENT WIRING SCHEDULE ON DRAWING E900.

B. ALL ACCU'S AND RTU HAVE INTEGRAL DISCONNECT PROVIDED BY EQUIPMENT MANUFACTURER. COORDINATE WITH HVAC FOR EQUIPMENT CONNECTION POINTS WITHIN UNITS.



1 E201 **POWER ROOF PLAN BASE BID**
1/16" = 1'-0"



2 E201 **POWER ROOF PLAN NURSE RELOCATION ALTERNATE EC-01**
1/8" = 1'-0"

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PROJECT INFORMATION

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13940.20

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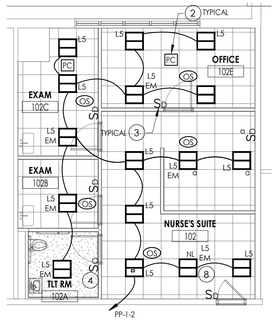
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Drawing Title
POWER ROOF PLAN

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E201

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2 LIGHTING FLOOR PLAN NURSE RELOCATION ALTERNATE EC-01

E300.1

1/8" = 1'-0"

KEY NOTES

1. REINSTALL EXISTING LIGHTING FIXTURE FROM STORAGE 1 TILE OVER FROM EXISTING. RECONNECT TO TAGGED LIGHTING BRANCH CIRCUIT. PROVIDE EXTENSION OF EXISTING BRANCH CIRCUITRY AS NECESSARY TO COMPLETE RECONNECTION.
2. CONNECT ALL FIXTURES WITHIN DAYLIGHT ZONE TO ROOM COMBINATION PHOTOCELL DAYLIGHT/OCCUPANCY SENSOR / PROGRAM TO ADJUST/DIM THE FIXTURES WITHIN ZONE BASED ON DAYLIGHT CONTRIBUTION. FIXTURES SHALL BE SET TO MAINTAIN 50 FOOTCANDLES (FC). PROGRAM THE OCCUPANCY SENSOR TO TURN OFF AFTER 15 MINUTES OF NON MOTION.
3. PROVIDE LOW VOLTAGE 4-BUTTON DIMMING SWITCH WITH ON/OFF AND RAISE/LOWER BUTTONS.
4. PROVIDE LOW VOLTAGE 4-BUTTON OCCUPANCY SENSOR DIMMING SWITCH WITH ON/OFF AND RAISE/LOWER BUTTONS. PROGRAM THE OCCUPANCY SENSOR TO TURN OFF AFTER 8 MINUTES OF NON MOTION.
5. PROVIDE 2#12 AWG, #12 AWG EGC IN 3/4" RIGID GALVANIZED STEEL CONDUIT ROUTED ALONG CANOPY FRAMING. CONNECT TO EXISTING EXTERIOR SOFFIT LIGHTING FIXTURE BRANCH CIRCUITRY FOR CONTROL OF LIGHTING.
6. PROVIDE (1) 20 AMP, 1-POLE 120V CIRCUIT BREAKER INSTALLED WITHIN AVAILABLE SPACE. CIRCUIT BREAKER TO BE UL LISTED FOR INSTALLATION WITHIN EXISTING PANELBOARD MANUFACTURED BY SQUARE D NQOB.
7. PROVIDE 2#12, #12 AWG EGC IN 3/4" CONDUIT.
8. FIXTURE TO REMAIN ENERGIZED ON INDEPENDENT OF THE SWITCHING. WIRE CIRCUIT HOT LEG TO FIXTURE FOR CONTINUOUS POWER WHEN FIXTURE SWITCHING IS IN THE OFF POSITION.

GENERAL NOTES

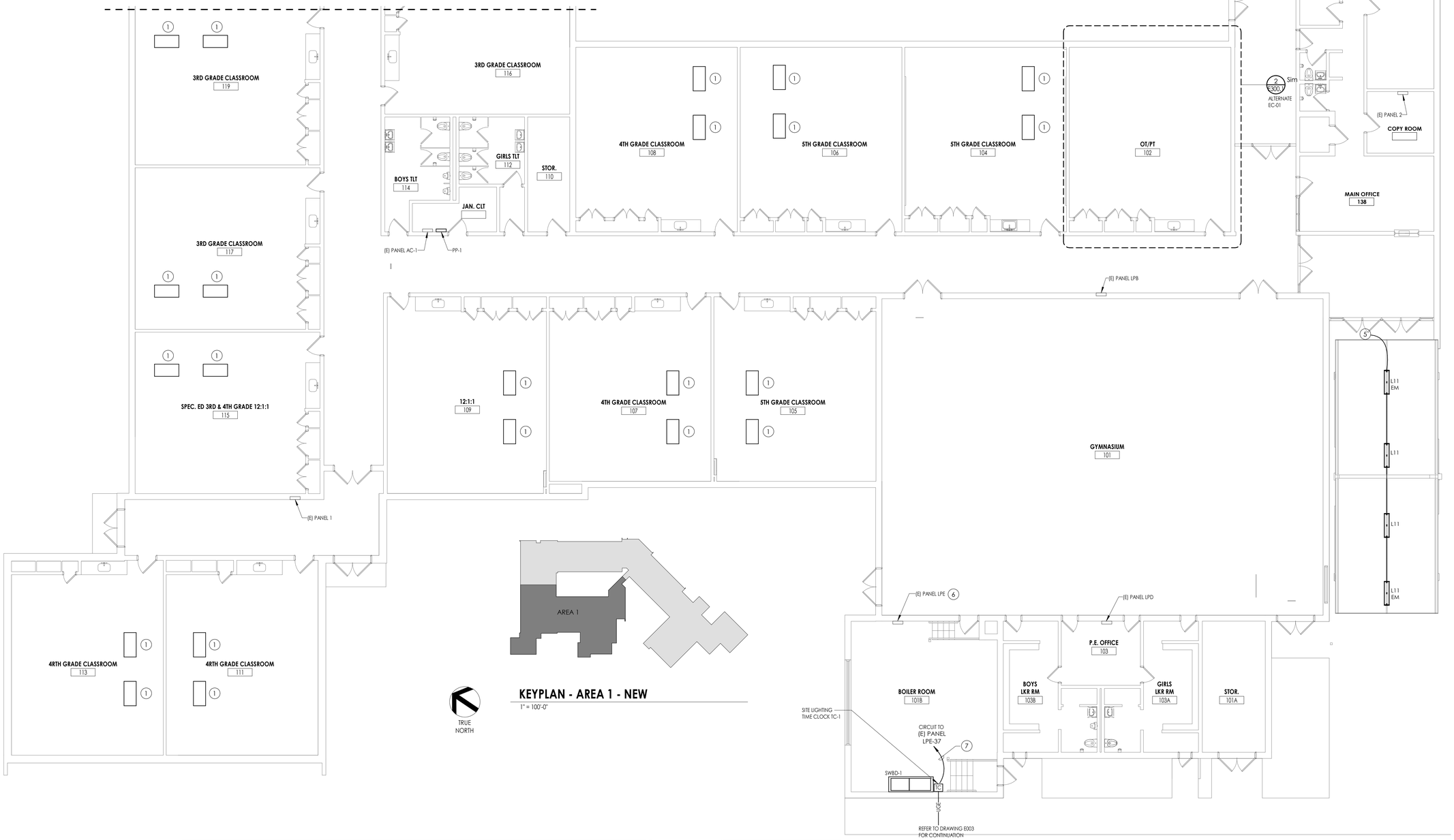
A. FIXTURES, AND EQUIPMENT LABELED AS (E) ARE EXISTING AND ARE SHOWN FOR REFERENCE UNLESS NOTED OTHERWISE. ALL OF THESE DEVICES SHALL REMAIN OPERATIONAL FOLLOWING CONSTRUCTION.

B. REFER TO LUMINAIRE SCHEDULE ON DRAWING E900 FOR FIXTURE DESCRIPTION AND NOTES.

C. WIRE ALL NEW EXIT SIGNS TO UNSWITCHED LIGHTING BRANCH CIRCUIT WITHIN SAME ROOM.

D. ALL OCCUPANCY SENSORS SHALL BE MOUNTED WITHIN ROOM TO OBTAIN MAXIMUM COVERAGE (EXCEPT INTEGRATED INTO FIXTURES). REFER TO MANUFACTURER'S INSTALLATION INSTRUCTIONS. PROVIDE ALL POWER PACKS, AND ASSOCIATED WIRING AND ACCESSORIES AS REQUIRED.

E. NEW LIGHTING CONTROLS SHOWN (OCCUPANCY SENSORS, INTERIOR PHOTOCELLS, SWITCHES, ETC. SHALL BE LOW VOLTAGE DEVICES. PROVIDE ALL ASSOCIATED CONTROL UNITS, POWER PACKS AND WIRING AND ACCESSORIES AS REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM.



KEYPLAN - AREA 1 - NEW

1" = 100'-0"

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PROJECT INFORMATION

Project Number
13940.20

Client Name
NEWBURGH ENLARGED CITY SCHOOL DISTRICT

Project Name
PHASE 5: 2019 CAPITAL IMPROVEMENTS PROJECT

SED # 44-16-00-01-0-018-009

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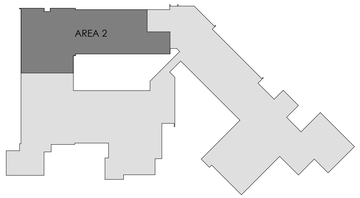
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Drawing Title
LIGHTING FLOOR PLAN AREA 1

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TRUE NORTH

KEYPLAN - AREA 2 - NEW

1" = 100'-0"

GENERAL NOTES

A. FIXTURES, AND EQUIPMENT LABELED AS (E) ARE EXISTING AND ARE SHOWN FOR REFERENCE UNLESS NOTED OTHERWISE. ALL OF THESE DEVICES SHALL REMAIN OPERATIONAL FOLLOWING CONSTRUCTION.

B. REFER TO LUMINAIRE SCHEDULE ON DRAWING E900 FOR FIXTURE DESCRIPTION AND NOTES.

C. WIRE ALL NEW EXIT SIGNS TO UNSWITCHED LIGHTING BRANCH CIRCUIT WITHIN SAME ROOM.

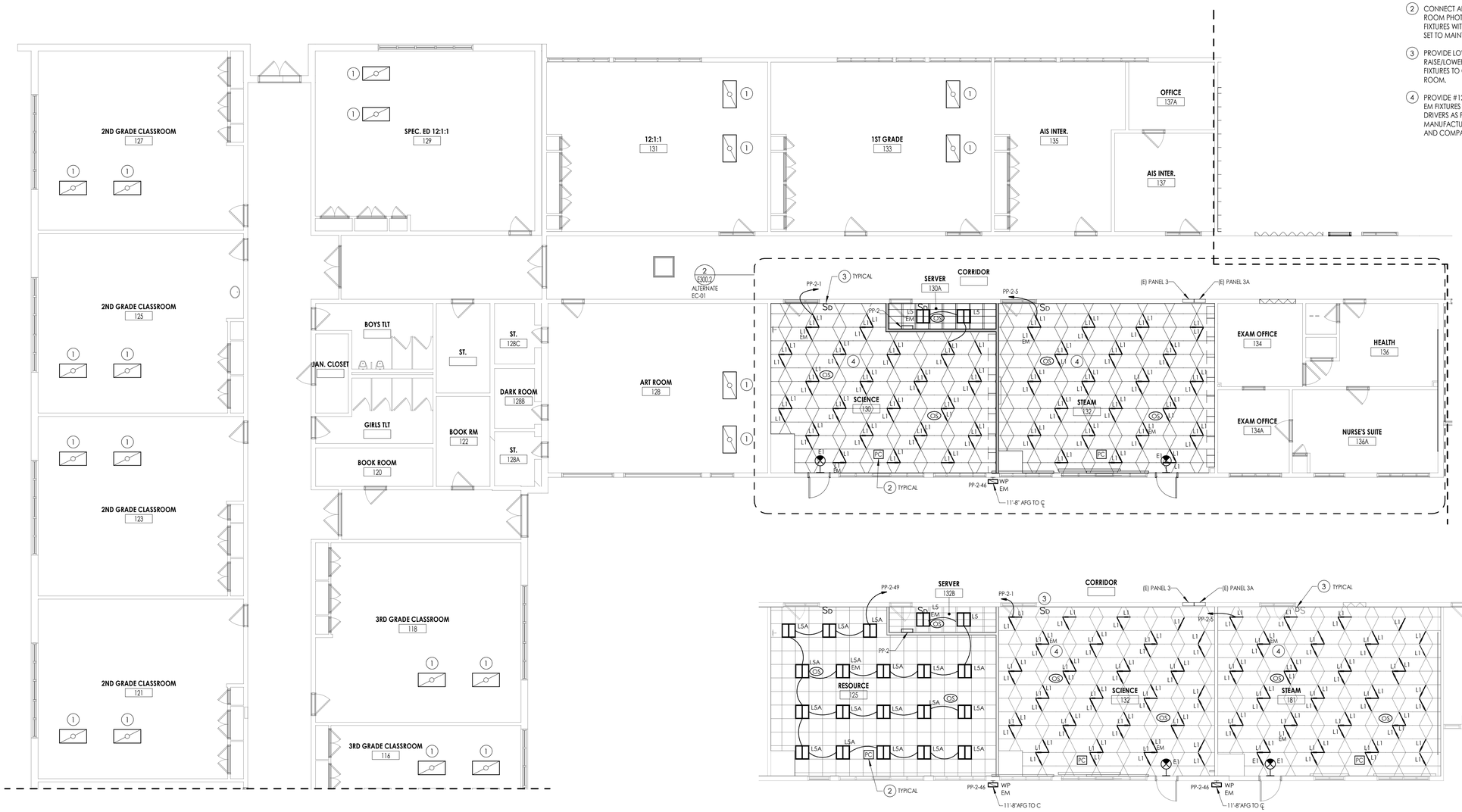
D. ALL OCCUPANCY SENSORS SHALL BE MOUNTED WITHIN ROOM TO OBTAIN MAXIMUM COVERAGE (EXCEPT INTEGRATED INTO FIXTURES). REFER TO MANUFACTURER'S INSTALLATION INSTRUCTIONS. PROVIDE ALL POWER PACKS, AND ASSOCIATED WIRING AND ACCESSORIES AS REQUIRED.

E. NEW LIGHTING CONTROLS SHOWN (OCCUPANCY SENSORS, INTERIOR PHOTOCELLS, SWITCHES, ETC. SHALL BE LOW VOLTAGE DEVICES. PROVIDE ALL ASSOCIATED CONTROL UNITS, POWER PACKS AND WIRING AND ACCESSORIES AS REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM.

F. CEILING GRID BY G.C. COORDINATE LIGHT FIXTURE LAYOUT WITH OTHER TRADES.

KEY NOTES

1. REINSTALL EXISTING LIGHTING FIXTURE FROM STORAGE 1 TILE OVER FROM EXISTING. RECONNECT TO TAGGED LIGHTING BRANCH CIRCUIT. PROVIDE EXTENSION OF EXISTING BRANCH CIRCUITRY AS NECESSARY TO COMPLETE RECONNECTION.
2. CONNECT ALL FIXTURES WITHIN DAYLIGHT ZONE (WITHIN 10' OF WINDOWS) TO ROOM PHOTOCELL/DAYLIGHT SENSOR/ PROGRAM TO ADJUST/DIM THE FIXTURES WITHIN ZONE BASED ON DAYLIGHT CONTRIBUTION. FIXTURES SHALL BE SET TO MAINTAIN 50 FOOTCANDLES (FC).
3. PROVIDE LOW VOLTAGE 4-BUTTON DIMMING SWITCH WITH ON/OFF AND RAISE/LOWER BUTTONS. LOWER CASE LETTER(S) WHEN NOTED INDICATES FIXTURES TO CONTROL. WHEN NO LETTER INDICATED CONTROL ALL FIXTURES IN ROOM.
4. PROVIDE #12 BRNACH CIRCUIT WIRING TO CONNECT ALL TYPE L1 AND TYPE L1 EM FIXTURES WITHIN ROOM TO SAME BRANCH CIRCUIT HOMERUN. INSTALL ALL DRIVERS AS PART OF LIGHTING SYSTEM FOR FIXTURES AS RECOMMENDED BY MANUFACTURER'S SHOP DRAWINGS. COORDINATE WITH GC FOR INSTALLATION AND COMPATIBILITY WITH CEILING GRID SYSTEM.



1 E300.2 **LIGHTING FLOOR PLAN BASE BID - AREA 2**

1/8" = 1'-0"

2 E300.2 **LIGHTING FLOOR PLAN NURSE RELOCATION ALT. EC-01**

1/8" = 1'-0"

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LIGHTING FLOOR PLAN AREA 2

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1 E300.3 **LIGHTING FLOOR PLAN BASE BID - AREA 3**
1/8" = 1'-0"

KEYPLAN - AREA 3 - NEW
1" = 100'-0"

TRUE NORTH

GENERAL NOTES

A. FIXTURES, AND EQUIPMENT LABELED AS (E) ARE EXISTING AND ARE SHOWN FOR REFERENCE UNLESS NOTED OTHERWISE. ALL OF THESE DEVICES SHALL REMAIN OPERATIONAL FOLLOWING CONSTRUCTION.

B. REFER TO LUMINAIRE SCHEDULE ON DRAWING E900 FOR FIXTURE DESCRIPTION AND NOTES.

C. WIRE ALL NEW EXIT SIGNS TO UNSWITCHED LIGHTING BRANCH CIRCUIT WITHIN SAME ROOM.

D. ALL OCCUPANCY SENSORS SHALL BE MOUNTED WITHIN ROOM TO OBTAIN MAXIMUM COVERAGE (EXCEPT WHEN INTEGRATED INTO FIXTURES). REFER TO MANUFACTURER'S INSTALLATION INSTRUCTIONS. PROVIDE ALL POWER PACKS, AND ASSOCIATED WIRING AND ACCESSORIES AS REQUIRED.

E. NEW LIGHTING CONTROLS SHOWN (OCCUPANCY SENSORS, INTERIOR PHOTOCELLS, SWITCHES, ETC. SHALL BE LOW VOLTAGE DEVICES. PROVIDE ALL ASSOCIATED CONTROL UNITS, POWER PACKS AND WIRING AND ACCESSORIES AS REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM.

KEY NOTES

1. REINSTALL EXISTING LIGHTING FIXTURE FROM STORAGE 1 TILE OVER FROM EXISTING. RECONNECT TO TAGGED LIGHTING BRANCH CIRCUIT, PROVIDE EXTENSION OF EXISTING BRANCH CIRCUITRY AS NECESSARY TO COMPLETE RECONNECTION.

2. CONNECT ALL FIXTURES WITHIN DAYLIGHT ZONE TO ROOM COMBINATION PHOTOCELL DAYLIGHT/OCCUPANCY SENSOR / PROGRAM TO ADJUST/DIM THE FIXTURES WITHIN ZONE BASED ON DAYLIGHT CONTRIBUTION. FIXTURES SHALL BE SET TO MAINTAIN 50 FOOTCANDLES (FC). PROGRAM THE OCCUPANCY SENSOR TO TURN OFF AFTER 15 MINUTES OF NON MOTION.

3. PROVIDE LOW VOLTAGE 4-BUTTON DIMMING SWITCH WITH ON/OFF AND RAISE/LOWER BUTTONS, UNLESS OTHERWISE NOTED. LOWER CASE LETTER(S) WHEN NOTED INDICATES FIXTURES TO CONTROL, WHEN NO LETTER INDICATED CONTROL ALL FIXTURES IN ROOM.

4. PROVIDE LOW VOLTAGE 6-BUTTON DIMMING SWITCH WITH (2) ON/OFF AND (2) RAISE/LOWER BUTTONS. LOWER CASE LETTER(S) WHEN NOTED INDICATES FIXTURES TO CONTROL, WHEN NO LETTER INDICATED CONTROL ALL FIXTURES IN ROOM.

5. PROVIDE LOW VOLTAGE 4-BUTTON OCCUPANCY SENSOR DIMMING SWITCH WITH ON/OFF AND RAISE/LOWER BUTTONS. PROGRAM THE OCCUPANCY SENSOR TO TURN OFF AFTER 8 MINUTES OF NON MOTION.

6. FIXTURE TO REMAIN ENERGIZED ON INDEPENDENT OF THE SWITCHING. WIRE CIRCUIT HOT LEG TO FIXTURE FOR CONTINUOUS POWER WHEN FIXTURE SWITCHING IS IN THE OFF POSITION.

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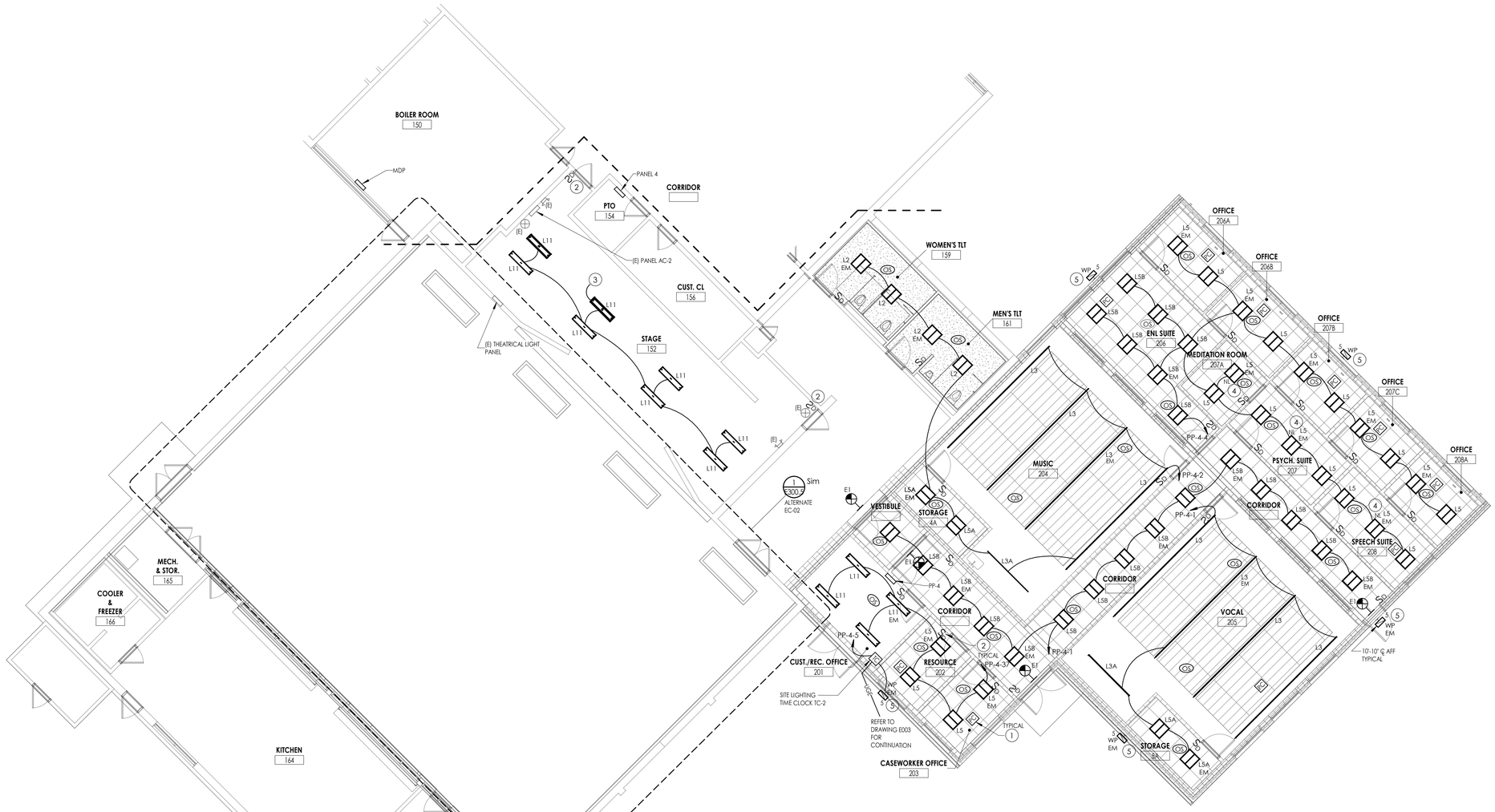
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Checked By: JAS

Drawing Title
LIGHTING FLOOR PLAN AREA 3

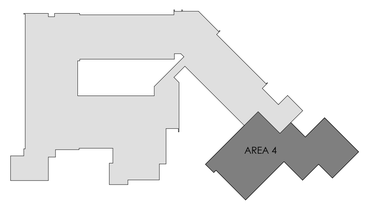
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1 LIGHTING FLOOR PLAN BASE BID - AREA 4

E300.4 — 1/8" = 1'-0"



KEYPLAN - AREA 4 - NEW

1" = 100'-0"

TRUE NORTH

GENERAL NOTES

A. FIXTURES, AND EQUIPMENT LABELED AS (E) ARE EXISTING AND ARE SHOWN FOR REFERENCE UNLESS NOTED OTHERWISE. ALL OF THESE DEVICES SHALL REMAIN OPERATIONAL FOLLOWING CONSTRUCTION.

B. REFER TO LUMINAIRE SCHEDULE ON DRAWING E900 FOR FIXTURE DESCRIPTION AND NOTES.

C. WIRE ALL NEW EXIT SIGNS TO UNSWITCHED LIGHTING BRANCH CIRCUIT WITHIN SAME ROOM.

D. ALL OCCUPANCY SENSORS SHALL BE MOUNTED WITHIN ROOM TO OBTAIN MAXIMUM COVERAGE (EXCEPT INTEGRATED INTO FIXTURES). REFER TO MANUFACTURER'S INSTALLATION INSTRUCTIONS. PROVIDE ALL POWER PACKS, AND ASSOCIATED WIRING AND ACCESSORIES AS REQUIRED.

E. NEW LIGHTING CONTROLS SHOWN (OCCUPANCY SENSORS, INTERIOR PHOTOCELLS, SWITCHES, ETC. SHALL BE LOW VOLTAGE DEVICES. PROVIDE ALL ASSOCIATED CONTROL UNITS, POWER PACKS AND WIRING AND ACCESSORIES AS REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM.

KEY NOTES

1. CONNECT ALL FIXTURES WITHIN DAYLIGHT ZONE TO ROOM COMBINATION PHOTOCELL DAYLIGHT/OCCUPANCY SENSOR / PROGRAM TO ADJUST/DIM THE FIXTURES WITHIN ZONE BASED ON DAYLIGHT CONTRIBUTION. FIXTURES SHALL BE SET TO MAINTAIN 50 FOOTCANDLES (FC). PROGRAM THE OCCUPANCY SENSOR TO TURN OFF AFTER 15 MINUTES OF NON MOTION.
2. PROVIDE LOW VOLTAGE 4-BUTTON DIMMING SWITCH WITH ON/OFF AND RAISE/LOWER BUTTONS, UNLESS OTHERWISE NOTED. LOWER CASE LETTER(S) WHEN NOTED INDICATES FIXTURES TO CONTROL, WHEN NO LETTER INDICATED CONTROL ALL FIXTURES IN ROOM.
3. PROVIDE 2#12, 1#12 AWG EGC IN 3/4" CONDUIT CIRCUITED TO PANEL 4.
4. FIXTURE TO REMAIN ENERGIZED ON INDEPENDENT OF THE SWITCHING. WIRE CIRCUIT HOT LEG TO FIXTURE FOR CONTINUOUS POWER WHEN FIXTURE SWITCHING IS IN THE OFF POSITION.
5. WIRE EMERGENCY LED DRIVER HOT LEG DIRECTLY TO CIRCUIT BREAKER BYPASSING TIME CLOCK.

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PROJECT INFORMATION

Project Number
13940.20

Client Name
NEWBURGH ENLARGED CITY SCHOOL DISTRICT

Project Name
PHASE 5: 2019 CAPITAL IMPROVEMENTS PROJECT

SED # 44-16-00-01-0-018-009

Project Address
400 Old Forge Hill Rd, New Windsor, NY 12553

REVISION SCHEDULE

#	Date	Description

SHEET INFORMATION

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09/27/21
BID SUBMISSION

Drawn By: MAY
Checked By: JAS

Drawing Title
LIGHTING FLOOR PLAN AREA 4

VG
E300.4

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GENERAL NOTES

A. FIXTURES, AND EQUIPMENT LABELED AS (E) ARE EXISTING AND ARE SHOWN FOR REFERENCE UNLESS NOTED OTHERWISE. ALL OF THESE DEVICES SHALL REMAIN OPERATIONAL FOLLOWING CONSTRUCTION.

B. REFER TO LUMINAIRE SCHEDULE ON DRAWING E900 FOR FIXTURE DESCRIPTION AND NOTES.

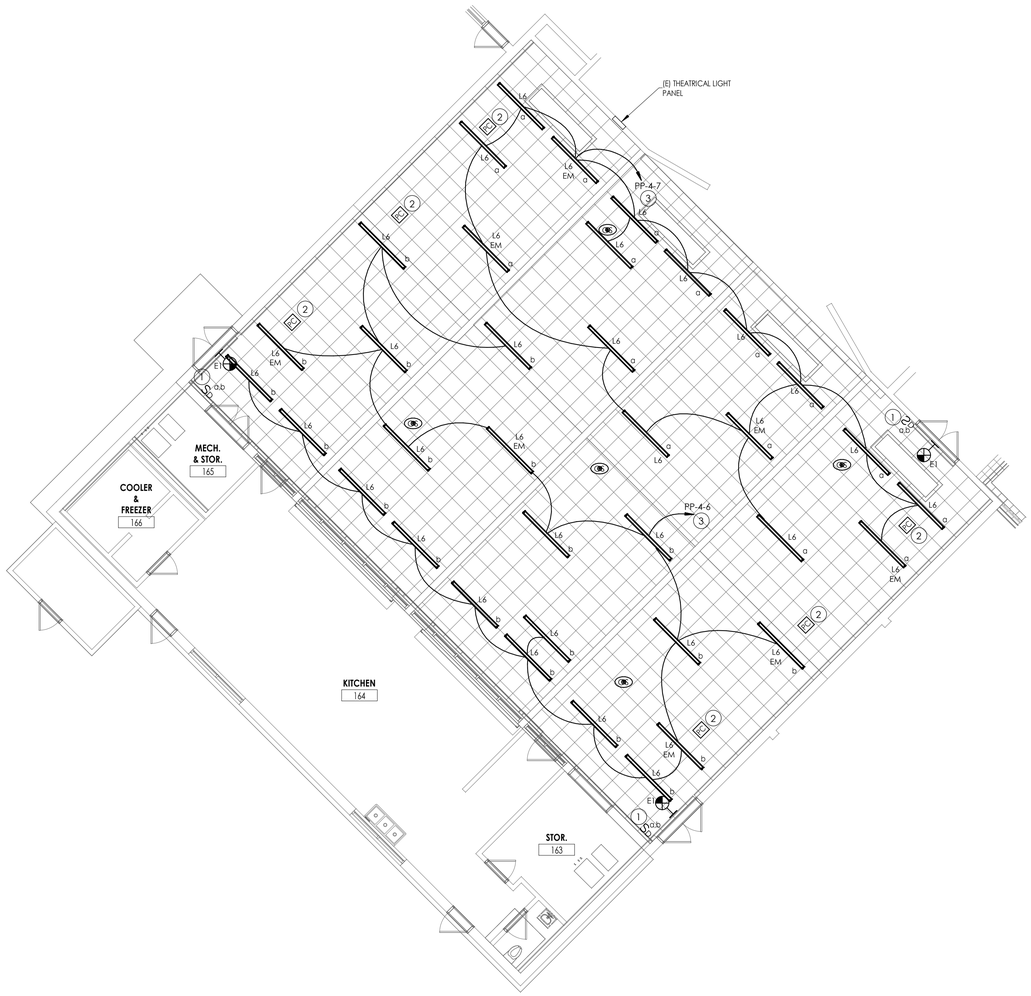
C. WIRE ALL NEW EXIT SIGNS TO UNSWITCHED LIGHTING BRANCH CIRCUIT WITHIN SAME ROOM.

D. ALL OCCUPANCY SENSORS SHALL BE MOUNTED WITHIN ROOM TO OBTAIN MAXIMUM COVERAGE (EXCEPT INTEGRATED INTO FIXTURES). REFER TO MANUFACTURER'S INSTALLATION INSTRUCTIONS. PROVIDE ALL POWER PACKS, AND ASSOCIATED WIRING AND ACCESSORIES AS REQUIRED.

E. NEW LIGHTING CONTROLS SHOWN (OCCUPANCY SENSORS, INTERIOR PHOTOCELLS, SWITCHES, ETC. SHALL BE LOW VOLTAGE DEVICES. PROVIDE ALL ASSOCIATED CONTROL UNITS, POWER PACKS AND WIRING AND ACCESSORIES AS REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM.

KEY NOTES

1. PROVIDE LOW VOLTAGE 6-BUTTON DIMMING SWITCH WITH (2) ON/OFF AND (2) RAISE/LOWER BUTTONS. LOWER CASE LETTER(S) WHEN NOTED INDICATES FIXTURES TO CONTROL. WHEN NO LETTER INDICATED CONTROL ALL FIXTURES IN ROOM.
2. CONNECT ALL FIXTURES WITHIN DAYLIGHT ZONE TO ROOM COMBINATION PHOTOCELL DAYLIGHT SENSOR / PROGRAM TO ADJUST/DIM THE FIXTURES WITHIN ZONE BASED ON DAYLIGHT CONTRIBUTION. FIXTURES SHALL BE SET TO MAINTAIN 50 FOOTCANDLES (FC).
3. PANEL LOCATED IN ADDITION. REFER TO DRAWING E300.4.



1 / E300.5 **LIGHTING FLOOR PLAN CAFETERIA BAFFELS AND LIGHTING REPLACEMENT ALTERNATE EC-02**
1/8" = 1'-0"

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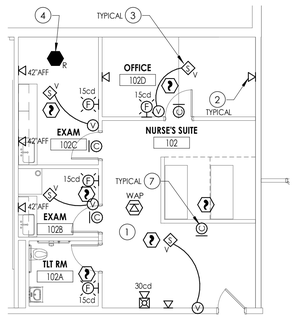
Issued
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BID SUBMISSION

Drawn By: MAY
Checked By: JAS

Drawing Title
LIGHTING FLOOR PLAN CAFETERIA BAFFELS AND LIGHTING REPLACEMENT ALTERNATE EC-02

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2 E400.1 **SYSTEMS FLOOR PLAN NURSE RELOCATION ALTERNATE EC-01**

1/8" = 1'-0"

KEY NOTES

1. PROVIDE (2) CATEGORY 6 DATA CABLES MOUNTED ABOVE CEILING FOR WIRELESS ACCESS POINT. TERMINATE CABLE END IN ROOM WITH RJ45 MALE CONNECTOR. COIL 20' OF CABLE AT LOCATION INDICATED IN ROOM AND TAG CABLES.
2. PROVIDE (2) DATA OUTLETS AND (2) CATEGORY 6 DATA CABLES ROUTED BACK TO DATA RACK FROM EACH LOCATION.
3. PROVIDE PA SYSTEM SPEAKER TO MATCH REPLACEMENT HEADEND MANUFACTURER. PROVIDE 2 CONDUCTOR SHIELDED PLENUM #18 AWG SYSTEM WIRING BACK TO NEW HEADEND IN MAIN OFFICE. PROVIDE VOLUME CONTROL TYPE SPEAKER AND WALL VOLUME CONTROL STATION WHERE INDICATED WITH A "V" AND WIRING DOWN TO STATION.
4. PROVIDE FAN SHUTDOWN RELAY AT HVAC EQUIPMENT CONTROLS. INTERCONNECT RELAY TO NEW BUILDING FIRE ALARM CONTROL PANEL TO SHUT DOWN FAN MOTOR WHEN THE FIRE ALARM IS ACTIVATED.
5. PROVIDE DUCT SMOKE DETECTOR FOR RETURN AND SUPPLY DUCTS OF RTU. PROVIDE FAN SHUT DOWN RELAYS SO THAT UNIT WILL SHUT DOWN ALL FANS ASSOCIATED WITH UNIT ON ACTIVATION OF THE BUILDING FIRE ALARM. COORDINATE WITH HVAC CONTRACTOR FOR PLACEMENT PRIOR TO INSTALLATION.
6. PROVIDE WALL MOUNTED REMOTE TEST SWITCHES. SWITCHES ARE ASSOCIATED WITH DUCT SMOKE DETECTORS IN SUPPLY AND RETURN DUCTS OF RTU UNITS. COORDINATE LOCATION AND MOUNTING WITH OWNER PRIOR TO INSTALLATION.
7. PROVIDE WALL MOUNTED WIRELESS CLOCK TO MATCH NEW SYSTEM TYPE.

GENERAL NOTES

A. CABLE ALL NEW FIRE ALARM DEVICES TO NEW FIRE ALARM CONTROL PANEL IN BOILER ROOM.

B. DRAWINGS ARE GRAPHICAL REPRESENTATIONS OF APPROXIMATE EQUIPMENT AND DEVICE LOCATIONS. CONTRACTOR SHALL VISIT THE SITE TO DETERMINE THE EXACT EXTENT OF FIRE ALARM WORK REQUIRED TO COMPLETE THE PROJECT.

C. FINAL TESTING OF FIRE ALARM SYSTEM SHALL COMPLY WITH ALL NFPA 72 REQUIREMENTS. ANY ALTERED CIRCUIT(S) SHALL HAVE ALL ASSOCIATED LOOP DEVICES TESTED IN THEIR ENTIRETY AND 10% OF NEIGHBORING ZONE/LOOP DEVICES ARE ALSO TO BE TESTED.

D. ALL NEW FAN SHUTDOWN RELAYS SHALL BE PROGRAMMED TO DE-ENERGIZE ASSOCIATED HVAC UNIT FAN UPON ACTIVATION OF FIRE ALARM SYSTEM.

E. ALL SYSTEMS CABLING SHALL BE RUN IN FREE-AIR AND SUPPORTED ABOVE CEILINGS VIA J-HOOKS. J-HOOKS NOT TO EXCEED 5-0" SPACING.

F. INITIATION DEVICES SHOWN SHALL NOT BE LOCATED IN A DIRECT AIRFLOW PATH OR CLOSER THAN 3' OF AN AIR SUPPLY DIFFUSER OR RETURN AIR GRILLE.

G. FIRE ALARM CABLING RUN EXPOSED IN UNFINISHED AREAS SHALL BE INSTALLED IN EMT CONDUIT AND PAINTED TO MATCH EXISTING WALL/CEILING FINISH. HORIZONTAL RUNS THROUGH WALLS AND VERTICAL RUNS THROUGH FLOORS SHALL BE SLEEVED IN EMT CONDUIT AND FIRE CAULKED. ALL FIRE ALARM CABLING RUN EXPOSED IN FINISHED SPACES SHALL BE INSTALLED IN 500 SERIES STEEL WIREMOLD. IVORY IN COLOR.

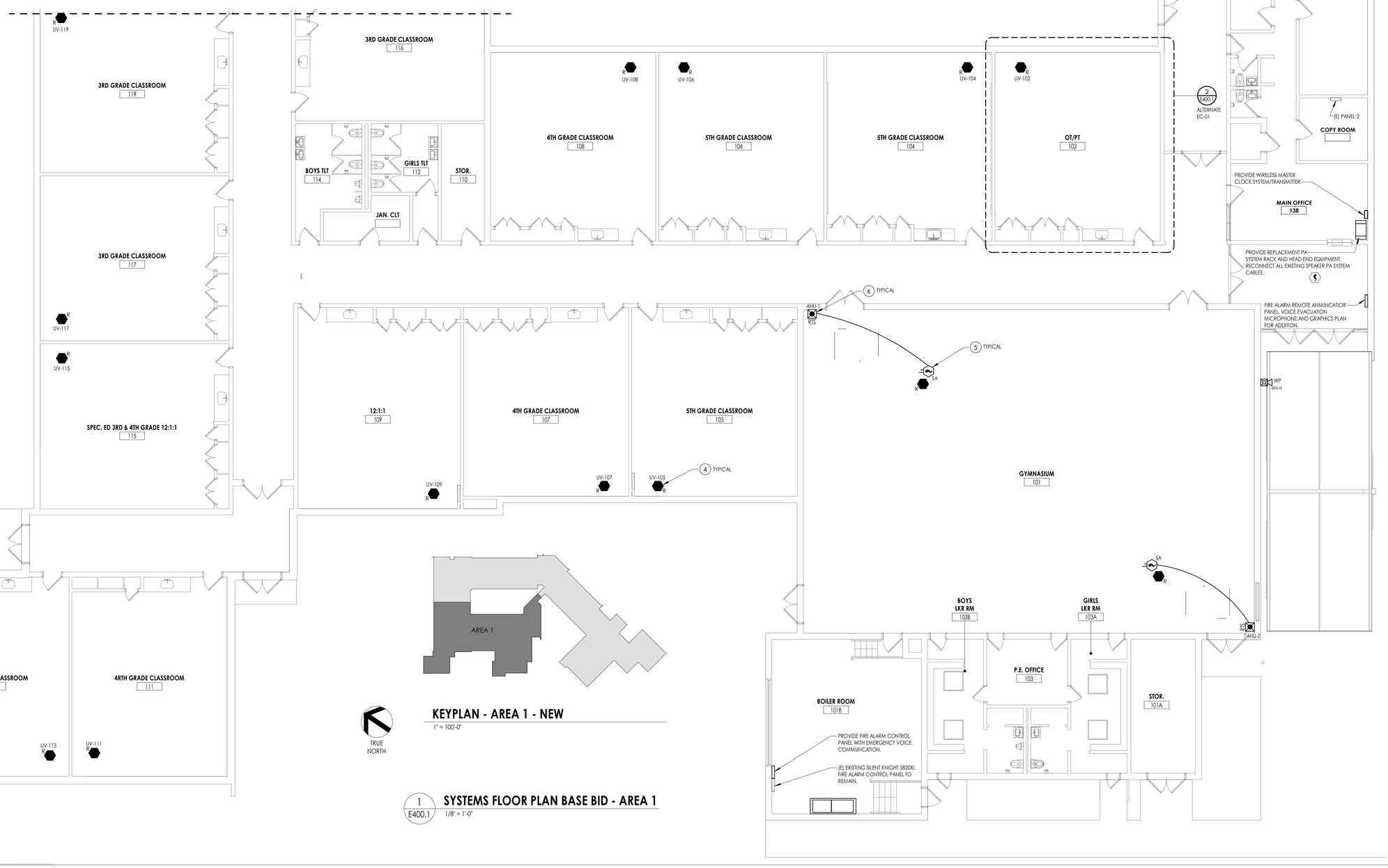
H. MOUNT SMOKE DETECTORS WITHIN 5 FEET OF DOORS THAT CLOSE ON A FIRE ALARM ACTIVATION. REFER TO NFPA 72 FOR THE MINIMUM DISTANCE A SMOKE DETECTOR CAN BE FROM DOOR.

I. FOR PUBLIC MODE, WALL MOUNTED VISUALS OR AUDIBLE/VISUALS SHALL BE MOUNTED SUCH THAT THE ENTIRE LENS IS NOT LESS THAN 80" AND NOT GREATER THAN 96" ABOVE FINISHED FLOOR. REFER TO NFPA 72 FOR CEILING MOUNTED VISUALS. REFER TO NFPA FOR SPACING OF STROBES. WHERE CEILING HEIGHTS ALLOW, WALL MOUNTED AUDIBLE ONLY APPLIANCES SHALL HAVE THEIR TOPS ABOVE FINISHED FLOOR AT HEIGHTS OF NOT LESS THAN 90".

J. THE OPERABLE PART OF PULL STATIONS SHALL BE MOUNTED MORE THAN 3-1/2 FEET BUT LESS THAN 4-1/2 FEET ABOVE THE FLOOR. REFER TO NFPA FOR SPACING OF DEVICES.

K. REFER TO MANUFACTURER INSTALLATION GUIDELINES FOR DUCT SMOKE DETECTOR INSTALLATION.

L. FOR ALL WALL MOUNTED DATA DROPS SHOWN. PROVIDE 1-GANG DEVICE BOX WITH (2) CATEGORY 6 JACKS, SINGLE FACEPLATE AND (2) CATEGORY 6 UTP DATA CABLES ROUTED TO NEAREST DATA RACK.



KEYPLAN - AREA 1 - NEW

1" = 100'-0"

1 E400.1 **SYSTEMS FLOOR PLAN BASE BID - AREA 1**

1/8" = 1'-0"

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PROJECT INFORMATION

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13940.20

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NEWBURGH ENLARGED CITY SCHOOL DISTRICT

Project Name
PHASE 5: 2019 CAPITAL IMPROVEMENTS PROJECT

SED # 44-16-00-01-0-018-009

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400 Old Forge Hill Rd, New Windsor, NY 12553

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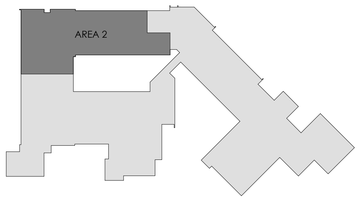
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Drawing Title
SYSTEMS FLOOR PLAN AREA 1

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TRUE NORTH

KEYPLAN - AREA 2 - NEW

1" = 100'-0"

KEY NOTES

1. PROVIDE (2) CATEGORY 6 DATA CABLES MOUNTED ABOVE CEILING FOR WIRELESS ACCESS POINT. TERMINATE CABLE END IN ROOM WITH RJ45 MALE CONNECTOR. COIL 20' OF CABLE AT LOCATION INDICATED IN ROOM AND TAG CABLES.
2. PROVIDE (2) DATA OUTLETS AND (2) CATEGORY 6 DATA CABLES ROUTED BACK TO DATA RACK FROM EACH LOCATION.
3. PROVIDE PA SYSTEM SPEAKER TO MATCH REPLACEMENT HEADEND MANUFACTURER. PROVIDE 2 CONDUCTOR SHIELDED PLENUM #18 AWG SYSTEM WIRING BACK TO NEW HEADEND IN MAIN OFFICE. PROVIDE VOLUME CONTROL TYPE SPEAKER AND WALL VOLUME CONTROL STATION WHERE INDICATED WITH A "V" AND WIRING DOWN TO STATION.
4. PROVIDE FAN SHUTDOWN RELAY AT HVAC EQUIPMENT CONTROLS. INTERCONNECT RELAY TO NEW BUILDING FIRE ALARM CONTROL PANEL TO SHUT DOWN FAN MOTOR WHEN THE FIRE ALARM IS ACTIVATED.
5. PROVIDE WALL MOUNTED WIRELESS CLOCK TO MATCH NEW SYSTEM TYPE.
6. PROVIDE (12) PAIR MULTI-MODE FIBER OPTIC CABLE IN ORANGE INNDERDUCT. ROUTE ABOVE ACCESSIBLE CEILINGS AND ATTACHED TO STRUCTURE.

GENERAL NOTES

A. CABLE ALL NEW FIRE ALARM DEVICES TO NEW FIRE ALARM CONTROL PANEL IN BOILER ROOM.

B. DRAWINGS ARE GRAPHICAL REPRESENTATIONS OF APPROXIMATE EQUIPMENT AND DEVICE LOCATIONS. CONTRACTOR SHALL VISIT THE SITE TO DETERMINE THE EXACT EXTENT OF FIRE ALARM WORK REQUIRED TO COMPLETE THE PROJECT.

C. FINAL TESTING OF FIRE ALARM SYSTEM SHALL COMPLY WITH ALL NFPA 72 REQUIREMENTS. ANY ALTERED CIRCUIT(S) SHALL HAVE ALL ASSOCIATED LOOP DEVICES TESTED IN THEIR ENTIRETY AND 10% OF NEIGHBORING ZONE/LOOP DEVICES ARE ALSO TO BE TESTED.

D. ALL NEW FAN SHUTDOWN RELAYS SHALL BE PROGRAMMED TO DE-ENERGIZE ASSOCIATED HVAC UNIT FAN UPON ACTIVATION OF FIRE ALARM SYSTEM.

E. ALL SYSTEMS CABLING SHALL BE RUN IN FREE-AIR AND SUPPORTED ABOVE CEILINGS VIA J-HOOKS. J-HOOKS NOT TO EXCEED 5-0" SPACING.

F. INITIATION DEVICES SHOWN SHALL NOT BE LOCATED IN A DIRECT AIRFLOW PATH OR CLOSER THAN 3' OF AN AIR SUPPLY DIFFUSER OR RETURN AIR GRILLE.

G. FIRE ALARM CABLING RUN EXPOSED IN UNFINISHED AREAS SHALL BE INSTALLED IN EMT CONDUIT AND PAINTED TO MATCH EXISTING WALL/CEILING FINISH. HORIZONTAL RUNS THROUGH WALLS AND VERTICAL RUNS THROUGH FLOORS SHALL BE SLEEVED IN EMT CONDUIT AND FIRE CAULKED. ALL FIRE ALARM CABLING RUN EXPOSED IN FINISHED SPACES SHALL BE INSTALLED IN 500 SERIES STEEL WIREMOLD. IVORY IN COLOR.

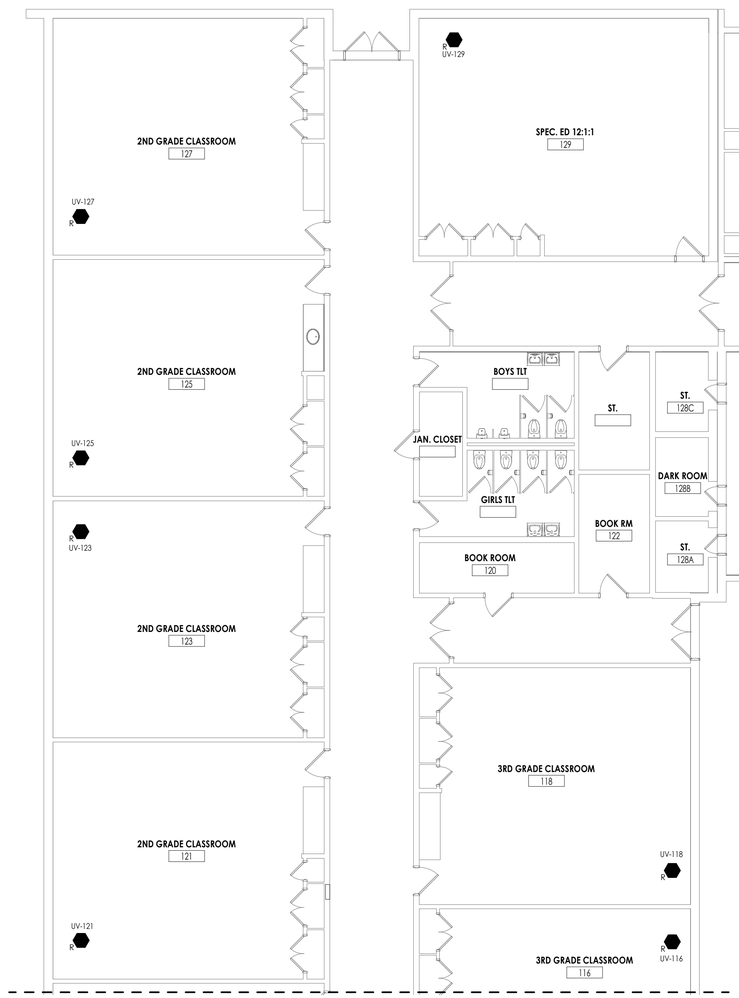
H. MOUNT SMOKE DETECTORS WITHIN 5 FEET OF DOORS THAT CLOSE ON A FIRE ALARM ACTIVATION. REFER TO NFPA 72 FOR THE MINIMUM DISTANCE A SMOKE DETECTOR CAN BE FROM DOOR.

I. FOR PUBLIC MODE, WALL MOUNTED VISUALS OR AUDIBLE/VISUALS SHALL BE MOUNTED SUCH THAT THE ENTIRE LENS IS NOT LESS THAN 80" AND NOT GREATER THAN 96" ABOVE FINISHED FLOOR. REFER TO NFPA 72 FOR CEILING MOUNTED VISUALS. REFER TO NFPA FOR SPACING OF STROBES. WHERE CEILING HEIGHTS ALLOW, WALL MOUNTED AUDIBLE ONLY APPLIANCES SHALL HAVE THEIR TOPS ABOVE FINISHED FLOOR AT HEIGHTS OF NOT LESS THAN 90".

J. THE OPERABLE PART OF PULL STATIONS SHALL BE MOUNTED MORE THAN 3-1/2 FEET BUT LESS THAN 4-1/2 FEET ABOVE THE FLOOR. REFER TO NFPA FOR SPACING OF DEVICES.

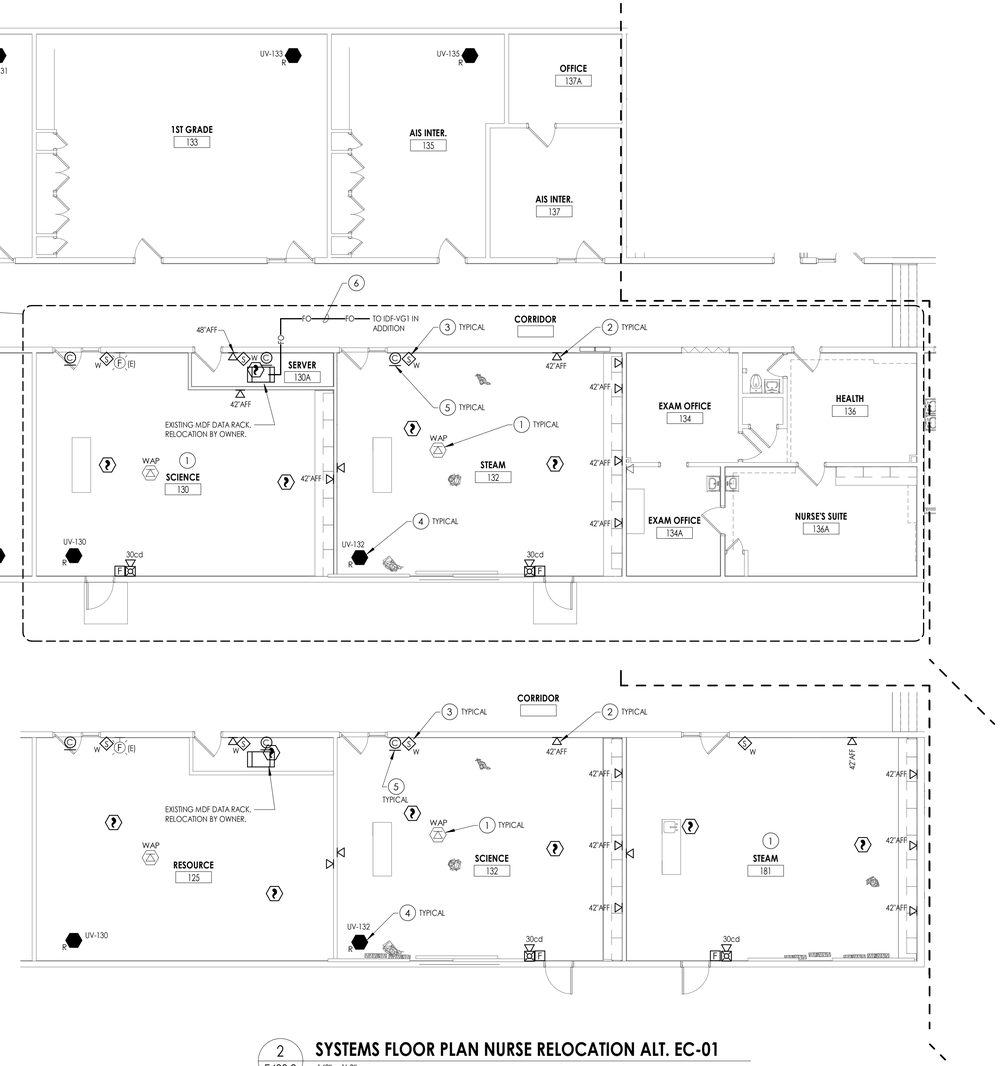
K. REFER TO MANUFACTURER INSTALLATION GUIDELINES FOR DUCT SMOKE DETECTOR INSTALLATION.

L. FOR ALL WALL MOUNTED DATA DROPS SHOWN, PROVIDE 1-GANG DEVICE BOX WITH (2) CATEGORY 6 JACKS, SINGLE FACEPLATE AND (2) CATEGORY 6 UTP DATA CABLES ROUTED TO DATA RACK IN SERVER ROOM.



1 E400.2 **SYSTEMS FLOOR PLAN BASE BID - AREA 2**

1/8" = 1'-0"



2 E400.2 **SYSTEMS FLOOR PLAN NURSE RELOCATION ALT. EC-01**

1/8" = 1'-0"

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NEWBURGH, NY 12550
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PROJECT INFORMATION

Project Number
13940.20

Client Name
NEWBURGH ENLARGED CITY SCHOOL DISTRICT

Project Name
PHASE 5: 2019 CAPITAL IMPROVEMENTS PROJECT

SED # 44-16-00-01-0-018-009

Project Address
400 Old Forge Hill Rd, New Windsor, NY 12553

REVISION SCHEDULE

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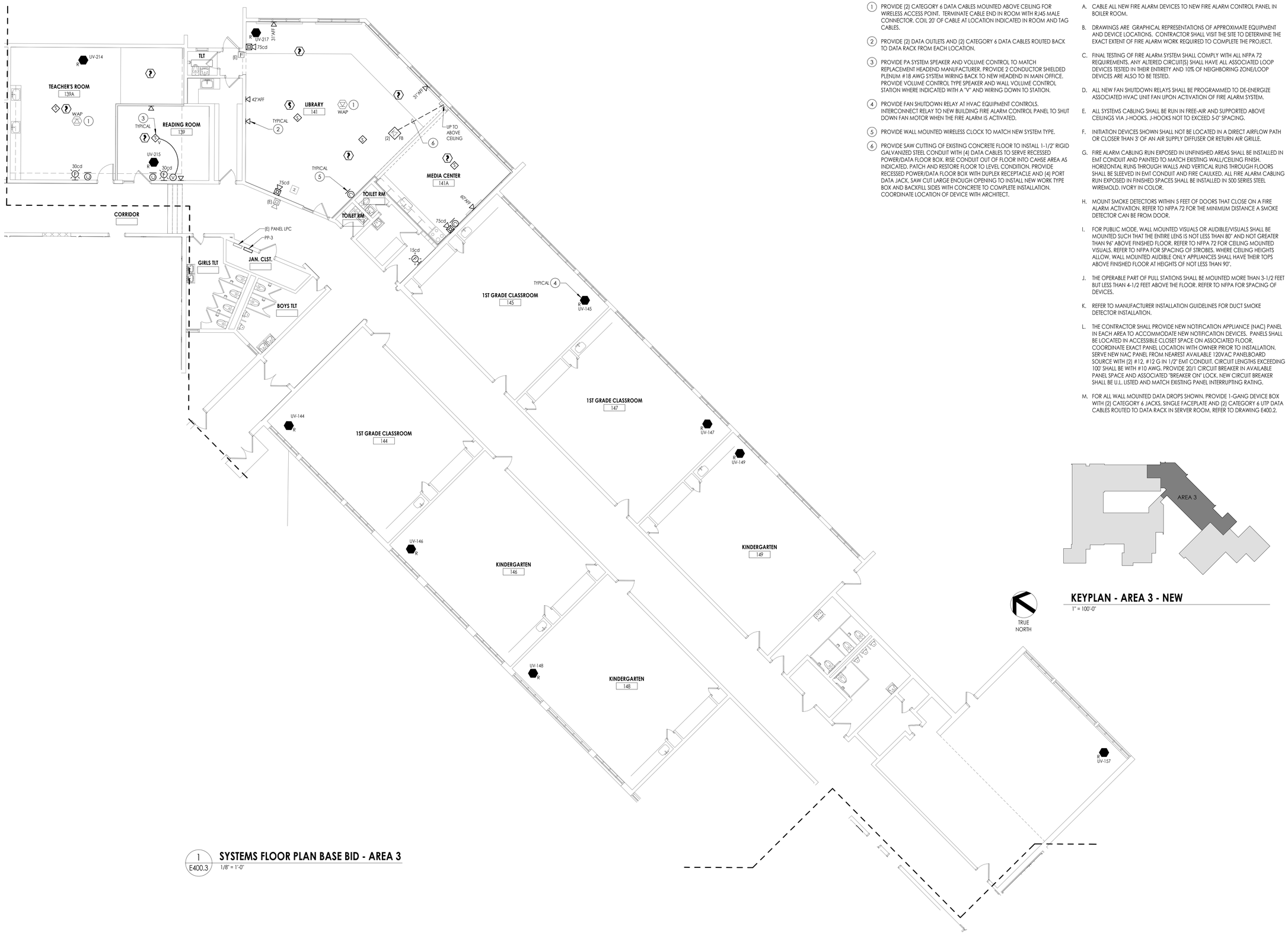
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Drawing Title
SYSTEMS FLOOR PLAN AREA 2

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1 E400.3 **SYSTEMS FLOOR PLAN BASE BID - AREA 3**

1/8" = 1'-0"

KEY NOTES

1. PROVIDE (2) CATEGORY 6 DATA CABLES MOUNTED ABOVE CEILING FOR WIRELESS ACCESS POINT. TERMINATE CABLE END IN ROOM WITH RJ45 MALE CONNECTOR. COIL 20' OF CABLE AT LOCATION INDICATED IN ROOM AND TAG CABLES.
2. PROVIDE (2) DATA OUTLETS AND (2) CATEGORY 6 DATA CABLES ROUTED BACK TO DATA RACK FROM EACH LOCATION.
3. PROVIDE PA SYSTEM SPEAKER AND VOLUME CONTROL TO MATCH REPLACEMENT HEADEND MANUFACTURER. PROVIDE 2 CONDUCTOR SHIELDED PLENUM #18 AWG SYSTEM WIRING BACK TO NEW HEADEND IN MAIN OFFICE. PROVIDE VOLUME CONTROL TYPE SPEAKER AND WALL VOLUME CONTROL STATION WHERE INDICATED WITH A "V" AND WIRING DOWN TO STATION.
4. PROVIDE FAN SHUTDOWN RELAY AT HVAC EQUIPMENT CONTROLS. INTERCONNECT RELAY TO NEW BUILDING FIRE ALARM CONTROL PANEL TO SHUT DOWN FAN MOTOR WHEN THE FIRE ALARM IS ACTIVATED.
5. PROVIDE WALL MOUNTED WIRELESS CLOCK TO MATCH NEW SYSTEM TYPE.
6. PROVIDE SAW CUTTING OF EXISTING CONCRETE FLOOR TO INSTALL 1-1/2" RIGID GALVANIZED STEEL CONDUIT WITH (4) DATA CABLES TO SERVE RECESSED POWER/DATA FLOOR BOX. RISE CONDUIT OUT OF FLOOR INTO CAHSE AREA AS INDICATED. PATCH AND RESTORE FLOOR TO LEVEL CONDITION. PROVIDE RECESSED POWER/DATA FLOOR BOX WITH DUPLEX RECEPTACLE AND (4) PORT DATA JACK. SAW CUT LARGE ENOUGH OPENING TO INSTALL NEW WORK TYPE BOX AND BACKFILL SIDES WITH CONCRETE TO COMPLETE INSTALLATION. COORDINATE LOCATION OF DEVICE WITH ARCHITECT.

GENERAL NOTES

A. CABLE ALL NEW FIRE ALARM DEVICES TO NEW FIRE ALARM CONTROL PANEL IN BOILER ROOM.

B. DRAWINGS ARE GRAPHICAL REPRESENTATIONS OF APPROXIMATE EQUIPMENT AND DEVICE LOCATIONS. CONTRACTOR SHALL VISIT THE SITE TO DETERMINE THE EXACT EXTENT OF FIRE ALARM WORK REQUIRED TO COMPLETE THE PROJECT.

C. FINAL TESTING OF FIRE ALARM SYSTEM SHALL COMPLY WITH ALL NFPA 72 REQUIREMENTS. ANY ALTERED CIRCUIT(S) SHALL HAVE ALL ASSOCIATED LOOP DEVICES TESTED IN THEIR ENTIRETY AND 10% OF NEIGHBORING ZONE/LOOP DEVICES ARE ALSO TO BE TESTED.

D. ALL NEW FAN SHUTDOWN RELAYS SHALL BE PROGRAMMED TO DE-ENERGIZE ASSOCIATED HVAC UNIT FAN UPON ACTIVATION OF FIRE ALARM SYSTEM.

E. ALL SYSTEMS CABLING SHALL BE RUN IN FREE-AIR AND SUPPORTED ABOVE CEILINGS VIA J-HOOKS. J-HOOKS NOT TO EXCEED 5'-0" SPACING.

F. INITIATION DEVICES SHOWN SHALL NOT BE LOCATED IN A DIRECT AIRFLOW PATH OR CLOSER THAN 3' OF AN AIR SUPPLY DIFFUSER OR RETURN AIR GRILLE.

G. FIRE ALARM CABLING RUN EXPOSED IN UNFINISHED AREAS SHALL BE INSTALLED IN EMT CONDUIT AND PAINTED TO MATCH EXISTING WALL/CEILING FINISH. HORIZONTAL RUNS THROUGH WALLS AND VERTICAL RUNS THROUGH FLOORS SHALL BE SLEEVED IN EMT CONDUIT AND FIRE CAULKED. ALL FIRE ALARM CABLING RUN EXPOSED IN FINISHED SPACES SHALL BE INSTALLED IN 500 SERIES STEEL WIREMOLD. IVORY IN COLOR.

H. MOUNT SMOKE DETECTORS WITHIN 5 FEET OF DOORS THAT CLOSE ON A FIRE ALARM ACTIVATION. REFER TO NFPA 72 FOR THE MINIMUM DISTANCE A SMOKE DETECTOR CAN BE FROM DOOR.

I. FOR PUBLIC MODE, WALL MOUNTED VISUALS OR AUDIBLE/VISUALS SHALL BE MOUNTED SUCH THAT THE ENTIRE LENS IS NOT LESS THAN 80" AND NOT GREATER THAN 96" ABOVE FINISHED FLOOR. REFER TO NFPA 72 FOR CEILING MOUNTED VISUALS. REFER TO NFPA FOR SPACING OF STROBES. WHERE CEILING HEIGHTS ALLOW, WALL MOUNTED AUDIBLE ONLY APPLIANCES SHALL HAVE THEIR TOPS ABOVE FINISHED FLOOR AT HEIGHTS OF NOT LESS THAN 90".

J. THE OPERABLE PART OF PULL STATIONS SHALL BE MOUNTED MORE THAN 3-1/2 FEET BUT LESS THAN 4-1/2 FEET ABOVE THE FLOOR. REFER TO NFPA FOR SPACING OF DEVICES.

K. REFER TO MANUFACTURER INSTALLATION GUIDELINES FOR DUCT SMOKE DETECTOR INSTALLATION.

L. THE CONTRACTOR SHALL PROVIDE NEW NOTIFICATION APPLIANCE (NAC) PANEL IN EACH AREA TO ACCOMMODATE NEW NOTIFICATION DEVICES. PANELS SHALL BE LOCATED IN ACCESSIBLE CLOSET SPACE ON ASSOCIATED FLOOR. COORDINATE EXACT PANEL LOCATION WITH OWNER PRIOR TO INSTALLATION. SERVE NEW NAC PANEL FROM NEAREST AVAILABLE 120VAC PANELBOARD SOURCE WITH (2) #12, #12 G IN 1/2" EMT CONDUIT. CIRCUIT LENGTHS EXCEEDING 100' SHALL BE WITH #10 AWG. PROVIDE 20/1 CIRCUIT BREAKER IN AVAILABLE PANEL SPACE AND ASSOCIATED "BREAKER ON" LOCK. NEW CIRCUIT BREAKER SHALL BE U.L. LISTED AND MATCH EXISTING PANEL INTERRUPTING RATING.

M. FOR ALL WALL MOUNTED DATA DROPS SHOWN. PROVIDE 1-GANG DEVICE BOX WITH (2) CATEGORY 6 JACKS, SINGLE FACEPLATE AND (2) CATEGORY 6 UTP DATA CABLES ROUTED TO DATA RACK IN SERVER ROOM, REFER TO DRAWING E400.2.

KEYPLAN - AREA 3 - NEW

1" = 100'-0"

TRUE NORTH

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Drawn By
MAY

Checked By
JAS

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VG
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KEY NOTES

1. PROVIDE (2) CATEGORY 6 DATA CABLES MOUNTED ABOVE CEILING FOR WIRELESS ACCESS POINT. TERMINATE CABLE END IN ROOM WITH RJ45 MALE CONNECTOR. COIL 20' OF CABLE AT LOCATION INDICATED IN ROOM AND TAG CABLES.
2. PROVIDE (2) DATA OUTLETS AND (2) CATEGORY 6 DATA CABLES ROUTED BACK TO DATA RACK FROM EACH LOCATION.
3. PROVIDE PA SYSTEM SPEAKER AND VOLUME CONTROL TO MATCH REPLACEMENT HEADEND MANUFACTURER. PROVIDE 2 CONDUCTOR SHIELDED PLENUM #18 AWG SYSTEM WIRING BACK TO NEW HEADEND IN MAIN OFFICE. PROVIDE VOLUME CONTROL TYPE SPEAKER AND WALL VOLUME CONTROL STATION WHERE INDICATED WITH A "V" AND WIRING DOWN TO STATION.
4. PROVIDE AT EACH DOOR LOCATION SHOWN ELECTRICAL ROUGH-IN USING 1/2" CONDUIT WITH PULL STRING FOR DOOR CONTACTS, PROXIMITY CARD READER, ELECTRONIC DOOR STRIKE, REQUEST TO EXIT SENSOR, AND FEED TO ALL POWER SUPPLIES NECESSARY. COORDINATE WITH GENERAL CONTRACTOR AND WITH DISTRICT ACCESS CONTROL VENDOR.
5. PROVIDE FAN SHUTDOWN RELAY AT HVAC EQUIPMENT CONTROLS. INTERCONNECT RELAY TO NEW BUILDING FIRE ALARM CONTROL PANEL TO SHUT DOWN FAN MOTOR WHEN THE FIRE ALARM IS ACTIVATED.
6. PROVIDE WALL MOUNTED WIRELESS CLOCK TO MATCH NEW SYSTEM TYPE.
7. PROVIDE 48" HIGH WALL MOUNTED DATA RACK MOUNTED MINIMUM 60" AFF. PROVIDE (2) 48-PORT CATEGORY 6a PATCH PANELS AND (1) 6-PORT RACK MOUNTED POWER STRIP. TERMINATE ALL DATA CABLES WITHIN PATCH PANEL AND LABEL EACH CABLE PER SPECIFICATIONS.
8. PROVIDE (2) 4" EMT CONDUIT SLEEVES STUBBED OUT 6" ON EACH SIDE OF WALL AND WITH PROTECTIVE PLASTIC BUSHINGS ON EACH END.
9. PROVIDE FIBER OPTIC CABLE ROUTED ABOVE ACCESSIBLE CEILINGS TO SERVER ROOM 139 MDF, REFER TO DRAWING E400.2.
14. ASSOCIATED DUCT DETECTOR CONTROLS OPENING/CLOSING OPERATION OF SMOKE DAMPER. PROVIDE ALL FINAL CONNECTIONS AS REQUIRED TO DEVICES TO MAKE A COMPLETE AND WORKING FAN SHUT DOWN SYSTEM.
11. PROVIDE DUCT SMOKE DETECTOR FOR RETURN AND SUPPLY DUCTS OF RTU. PROVIDE FAN SHUT DOWN RELAYS SO THAT UNIT WILL SHUT DOWN ALL FANS ASSOCIATED WITH UNIT ON ACTIVATION OF THE BUILDING FIRE ALARM. COORDINATE WITH HVAC CONTRACTOR FOR PLACEMENT PRIOR TO INSTALLATION.
12. PROVIDE FAN SHUT DOWN RELAYS AT HVAC EQUIPMENT CONTROLS INTERCONNECT RELAYS TO BUILDING FIRE ALARM SYSTEM TO SHUT DOWN FAN MOTORS WITH THE FIRE ALARM IS ACTIVATED.
13. PROVIDE WALL MOUNTED REMOTE REST SWITCHES. SWITCHES ARE ASSOCIATED WITH DUCT SMOKE DETECTORS IN SUPPLY AND RETURN DUCTS OF RTU UNITS. COORDINATE LOCATION AND MOUNTING WITH OWNER PRIOR TO INSTALLATION.

GENERAL NOTES

A. CABLE ALL NEW FIRE ALARM DEVICES TO NEW FIRE ALARM CONTROL PANEL IN BOILER ROOM.

B. DRAWINGS ARE GRAPHICAL REPRESENTATIONS OF APPROXIMATE EQUIPMENT AND DEVICE LOCATIONS. CONTRACTOR SHALL VISIT THE SITE TO DETERMINE THE EXACT EXTENT OF FIRE ALARM WORK REQUIRED TO COMPLETE THE PROJECT.

C. FINAL TESTING OF FIRE ALARM SYSTEM SHALL COMPLY WITH ALL NFPA 72 REQUIREMENTS. ANY ALTERED CIRCUIT(S) SHALL HAVE ALL ASSOCIATED LOOP DEVICES TESTED IN THEIR ENTIRETY AND 10% OF NEIGHBORING ZONE/LOOP DEVICES ARE ALSO TO BE TESTED.

D. ALL NEW FAN SHUTDOWN RELAYS SHALL BE PROGRAMMED TO DE-ENERGIZE ASSOCIATED HVAC UNIT FAN UPON ACTIVATION OF FIRE ALARM SYSTEM.

E. ALL SYSTEMS CABLING SHALL BE RUN IN FREE-AIR AND SUPPORTED ABOVE CEILINGS VIA J-HOOKS. J-HOOKS NOT TO EXCEED 5-0" SPACING.

F. INITIATION DEVICES SHOWN SHALL NOT BE LOCATED IN A DIRECT AIRFLOW PATH OR CLOSER THAN 3' OF AN AIR SUPPLY DIFFUSER OR RETURN AIR GRILLE.

G. FIRE ALARM CABLING RUN EXPOSED IN UNFINISHED AREAS SHALL BE INSTALLED IN EMT CONDUIT AND PAINTED TO MATCH EXISTING WALL/CEILING FINISH. HORIZONTAL RUNS THROUGH WALLS AND VERTICAL RUNS THROUGH FLOORS SHALL BE SLEEVED IN EMT CONDUIT AND FIRE CAULKED. ALL FIRE ALARM CABLING RUN EXPOSED IN FINISHED SPACES SHALL BE INSTALLED IN 500 SERIES STEEL WIREMOLD, IVORY IN COLOR.

GENERAL NOTES CONTINUED

H. MOUNT SMOKE DETECTORS WITHIN 5 FEET OF DOORS THAT CLOSE ON A FIRE ALARM ACTIVATION. REFER TO NFPA 72 FOR THE MINIMUM DISTANCE A SMOKE DETECTOR CAN BE FROM DOOR.

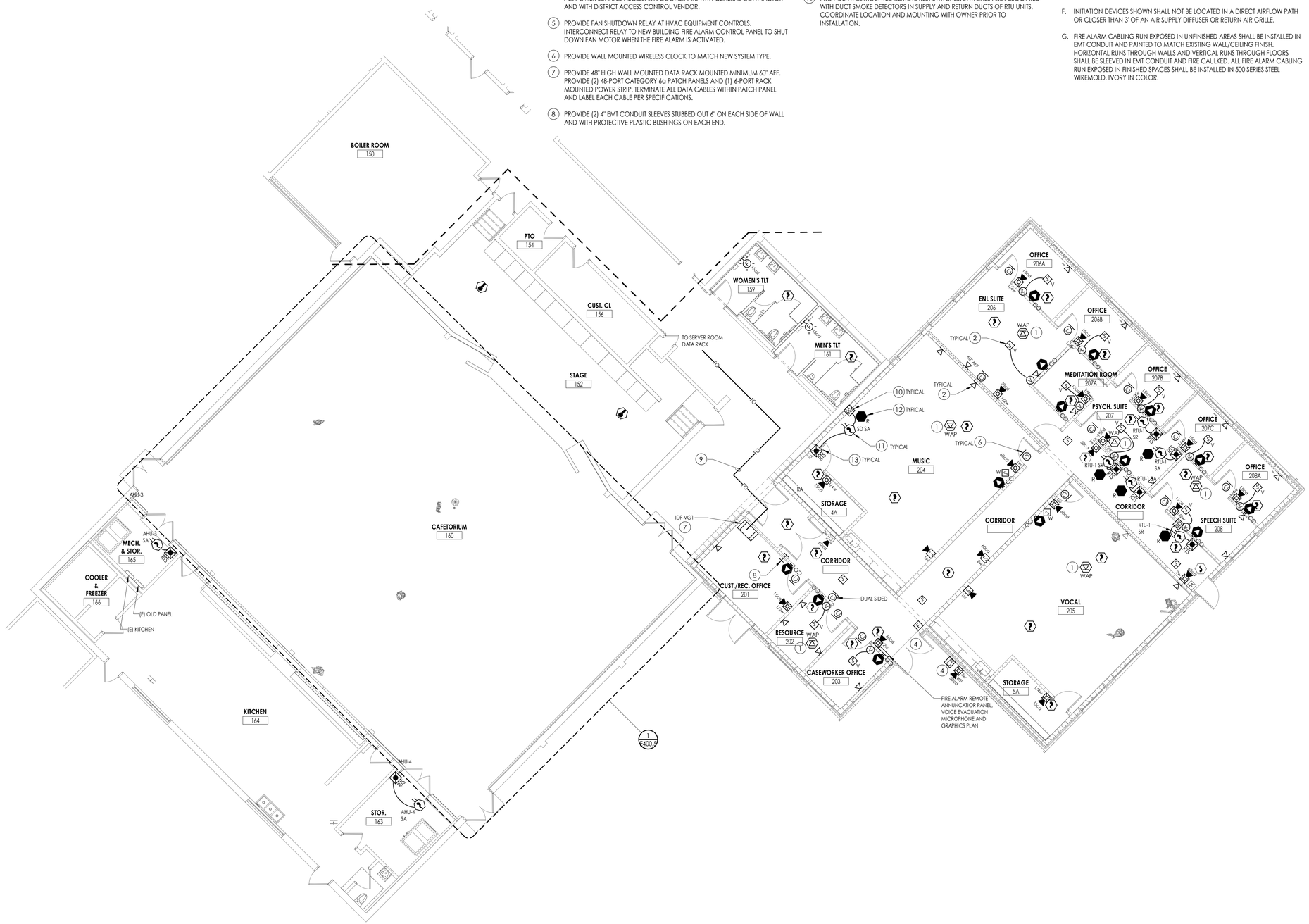
I. FOR PUBLIC MODE, WALL MOUNTED VISUALS OR AUDIBLE/VISUALS SHALL BE MOUNTED SUCH THAT THE ENTIRE LENS IS NOT LESS THAN 80" AND NOT GREATER THAN 96" ABOVE FINISHED FLOOR. REFER TO NFPA 72 FOR CEILING MOUNTED VISUALS. REFER TO NFPA FOR SPACING OF STROBES. WHERE CEILING HEIGHTS ALLOW, WALL MOUNTED AUDIBLE ONLY APPLIANCES SHALL HAVE THEIR TOPS ABOVE FINISHED FLOOR AT HEIGHTS OF NOT LESS THAN 90".

J. THE OPERABLE PART OF PULL STATIONS SHALL BE MOUNTED MORE THAN 3-1/2 FEET BUT LESS THAN 4-1/2 FEET ABOVE THE FLOOR. REFER TO NFPA FOR SPACING OF DEVICES.

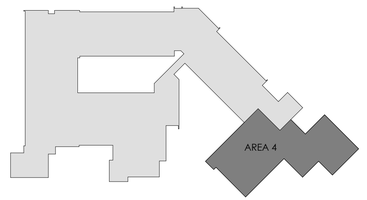
K. REFER TO MANUFACTURER INSTALLATION GUIDELINES FOR DUCT SMOKE DETECTOR INSTALLATION.

L. ADDRESSABLE DEVICES SHOULD ONLY BE INSTALLED IN AREAS WHERE AMBIENT TEMPERATURE IS BETWEEN 32° AND 100° F.

M. THE CONTRACTOR SHALL PROVIDE NEW NOTIFICATION APPLIANCE (NAC) PANEL IN EACH AREA TO ACCOMMODATE NEW NOTIFICATION DEVICES. PANELS SHALL BE LOCATED IN ACCESSIBLE CLOSET SPACE ON ASSOCIATED FLOOR. COORDINATE EXACT PANEL LOCATION WITH OWNER PRIOR TO INSTALLATION. SERVE NEW NAC PANEL FROM NEAREST AVAILABLE 120VAC PANELBOARD SOURCE WITH (2) #12, #12 G IN 1/2" EMT CONDUIT. CIRCUIT LENGTHS EXCEEDING 100' SHALL BE WITH #10 AWG. PROVIDE 20/1 CIRCUIT BREAKER IN AVAILABLE PANEL SPACE AND ASSOCIATED "BREAKER ON" LOCK. NEW CIRCUIT BREAKER SHALL BE U.L. LISTED AND MATCH EXISTING PANEL INTERRUPTING RATING.



1 E400.4 **SYSTEMS FLOOR PLAN BASE BID - AREA 4**
1/8" = 1'-0"



KEYPLAN - AREA 4 - NEW
1" = 100'-0"

TRUE NORTH

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NEWBURGH, NY 12550
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PROJECT INFORMATION

Project Number
13940.20

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NEWBURGH ENLARGED CITY SCHOOL DISTRICT

Project Name
PHASE 5: 2019 CAPITAL IMPROVEMENTS PROJECT

SED # 44-16-00-01-0-018-009

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400 Old Forge Hill Rd, New Windsor, NY 12553

REVISION SCHEDULE

#	Date	Description

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Drawn By: MAY
Checked By: JAS

Drawing Title
SYSTEMS FLOOR PLAN AREA 4

VG
E400.4

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GENERAL NOTES

A. CABLE ALL NEW FIRE ALARM DEVICES TO EXISTING FIRE ALARM CONTROL PANEL IN BOILER ROOM.

B. DRAWINGS ARE GRAPHICAL REPRESENTATIONS OF APPROXIMATE EQUIPMENT AND DEVICE LOCATIONS. CONTRACTOR SHALL VISIT THE SITE TO DETERMINE THE EXACT EXTENT OF FIRE ALARM WORK REQUIRED TO COMPLETE THE PROJECT.

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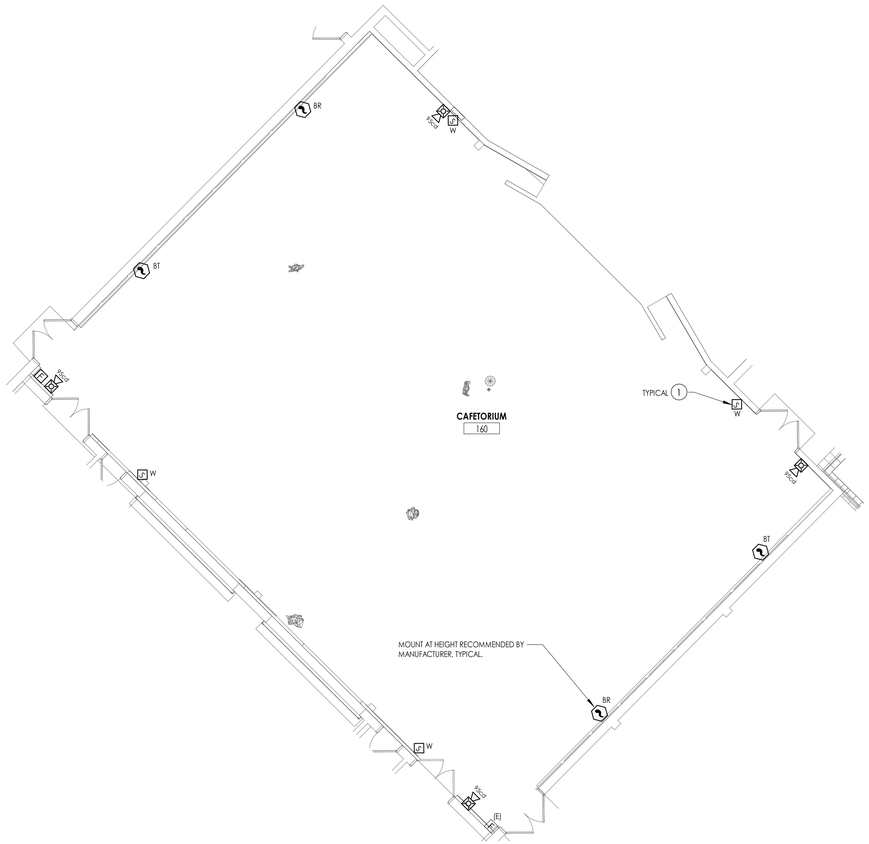
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M. FOR ALL WALL MOUNTED DATA DROPS SHOWN. PROVIDE 1-GANG DEVICE BOX WITH (2) CATEGORY 6 JACKS, SINGLE FACEPLATE AND (2) CATEGORY 6 UTP DATA CABLES ROUTED TO DATA RACK IN SERVER ROOM, REFER TO DRAWING E400.2.



KEY NOTES

1. PROVIDE PA SYSTEM HORN TYPE SPEAKER TO MATCH REPLACEMENT HEADEND MANUFACTURER. PROVIDE 2 CONDUCTOR SHIELDED PLENUM #18 AWG SYSTEM WIRING BACK TO NEW HEADEND IN MAIN OFFICE.

1 E400.5 **SYSTEMS FLOOR PLAN CAFETERIA BAFFELS AND LIGHTING REPLACEMENT ALTERNATE EC-02**

1/8" = 1'-0"

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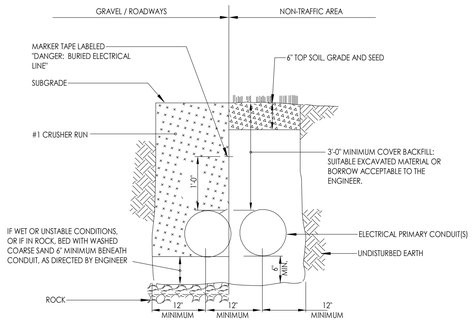
Issued
09/27/21
BID SUBMISSION

Drawn By: MAY
Checked By: JAS

Drawing Title
SYSTEMS FLOOR PLAN CAFETERIA BAFFELS AND LIGHTING REPLACEMENT ALTERNATE EC-02

VG
E400.5

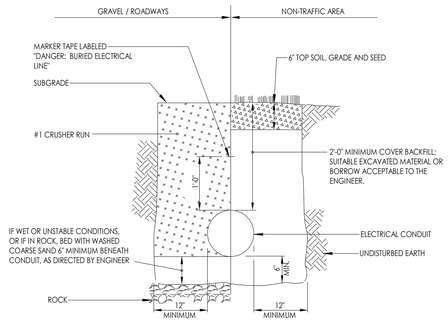
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NOTES:
1) ALL MATERIAL PLACED IN GRAVEL/ROADWAY AREAS SHALL BE COMPACTED IN MAXIMUM 6" LIFTS.
2) THIS TRENCH DETAIL SHALL INCLUDE THE REQUIREMENTS COMMON TO MORE THAN ONE SECTION OF DIVISION 2 OF THE SPECIFICATIONS.

6 E800 PRIMARY TRENCH DETAIL FOR CONDUIT

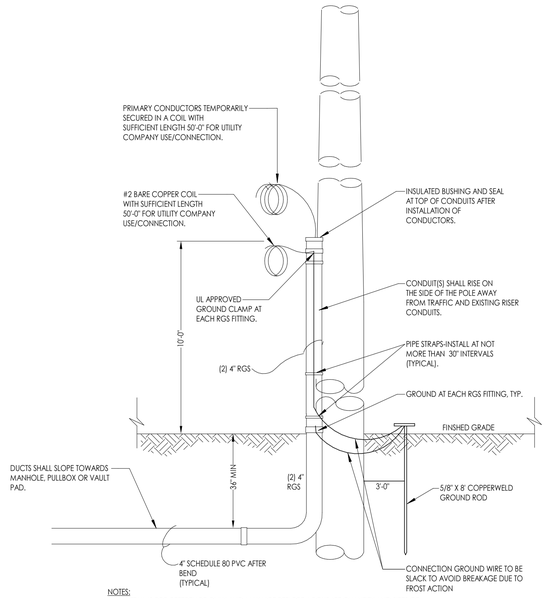
AS NOTED



NOTES:
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2) THIS TRENCH DETAIL SHALL INCLUDE THE REQUIREMENTS COMMON TO MORE THAN ONE SECTION OF DIVISION 2 OF THE SPECIFICATIONS.

5 E800 TYPICAL TRENCH DETAIL FOR CONDUIT

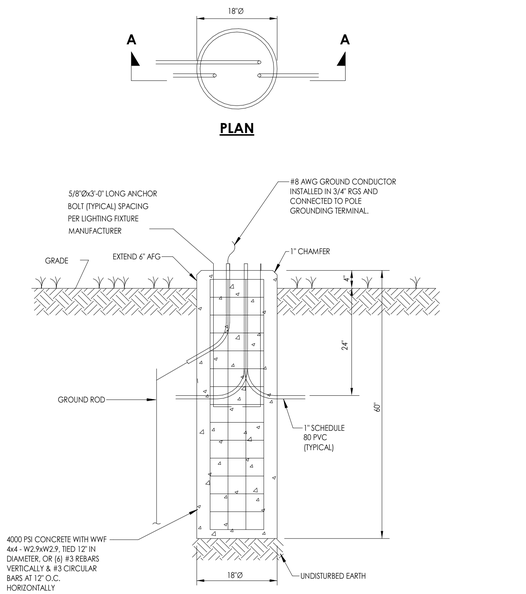
AS NOTED



NOTES:
1. DETAIL IS FOR REFERENCE ONLY AND MAY NOT REFLECT ACCURATE QUANTITY AND SIZES OF RACEWAYS INDICATED ON DRAWINGS. CONDUIT POLE RISERS SHALL MEET ALL REQUIREMENTS OF ASSOCIATED UTILITY COMPANIES.
2. SUPPLEMENTAL GROUND IS REQUIRED IF GROUND RESISTANCE IS GREATER THAN 25 OHMS. REFER TO NEC SECTION 250.53

4 E800 TYPICAL POLE UTILITY SERVICE DETAIL

AS NOTED

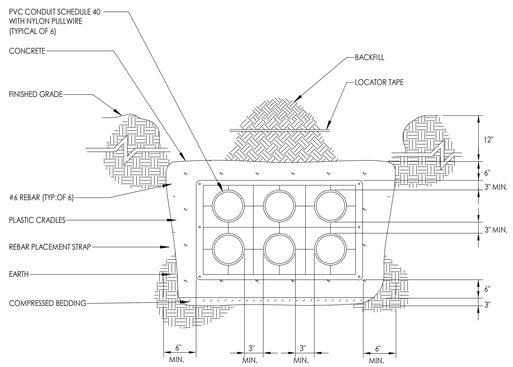


PLAN

SECTION A-A

3 E800 LIGHT POLE BASE DETAIL GRASS AREAS

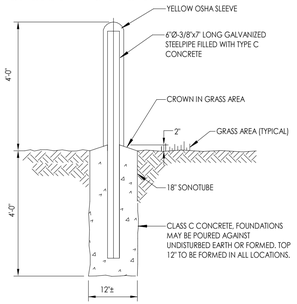
AS NOTED



2 E800 SECONDARY POWER DUCTBANK DETAIL TRANSFORMER TO BUILDING

AS NOTED

BOLLARD NOTES
1. BARRIER SHALL CONSIST OF 6 INCH MINIMUM DIAMETER GALVANIZED PIPE FILLED WITH CONCRETE AND YELLOW OSHA PVC COVER.
2. THE CONCRETE SHALL BE CROWNED ON THE TOP OF EACH PIPE FOR DRAINAGE.
3. BARRIER PIPES SHALL BE SET IN A 12 INCH DIAMETER CONCRETE FOOTING TO A MINIMUM DEPTH OF 4 FEET BELOW GRADE.
4. BARRIER PIPES SHALL EXTEND A MINIMUM OF 4 FEET ABOVE GRADE.



1 E800 BOLLARD DETAIL

AS NOTED

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Checked By: JAS

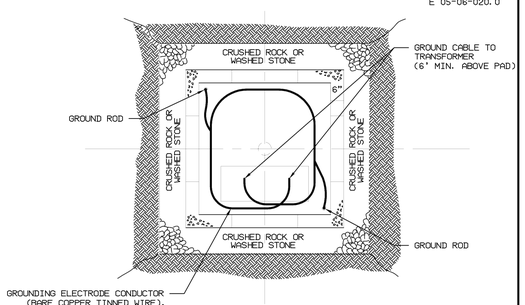
Drawing Title
ELECTRICAL DETAILS

VG
E800

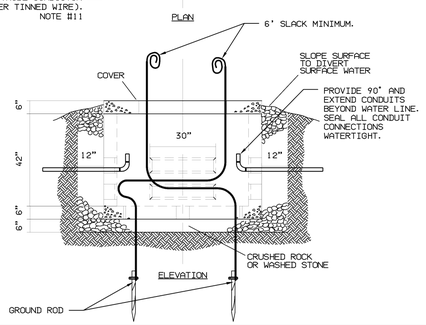
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FIG. 22
SHEET 1 OF 3
E 05-06-020.0

FIGURE 1



PLAN

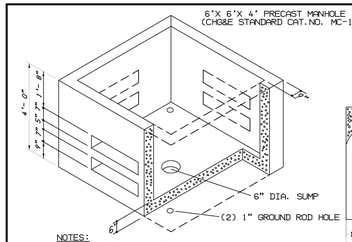


ELEVATION

ELECTRIC STANDARDS	CENTRAL HUDSON GAS & ELECTRIC CORP.	DATE 5-1-15
DRWN. _____	THREE PHASE PAD SPECIFICATIONS 5-34.5 KV 75-2000 KVA	ISSUE
DSGN. _____		APP.
APPD. _____		APP.

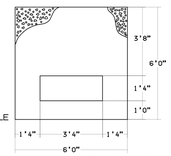
CAD DRAWING
DO NOT REVISE MANUALLY

FIG. 22
SHEET 2 OF 3

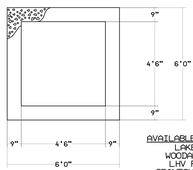


NOTES:
1. REINFORCED CONCRETE.
2. KNOCKOUTS - 7"X 30", 2 PER SIDE, FOUR SIDES.

WEIGHT:
BOX - 7899 LBS.
COVER - 2370 LBS.

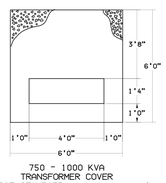


75 - 500 KVA TRANSFORMER COVER
(CH&E STANDARD CAT. NO. MC - 101)

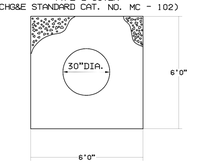


TYPE 2 COVER
(CH&E STANDARD CAT. NO. MC - 102)

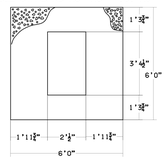
AVAILABLE MANUFACTURERS:
LAKELANDS H.V.
WOODARDS CONCRETE
L.H.V PRECAST INC.
CRANESVILLE BLOCK CO.



750 - 1000 KVA
TRANSFORMER COVER
(CH&E STANDARD NO. MC - 101 M)



TYPE 1 MANHOLE COVER
(CH&E STANDARD CAT. NO. MC - 103)



TYPE 4 COVER
(CH&E STANDARD CAT. NO. MC - 102 M)

ELECTRIC STANDARDS	CENTRAL HUDSON GAS & ELECTRIC CORP.	DATE 5-1-15
DRWN. _____	THREE PHASE PAD SPECIFICATIONS 5 - 34.5 KV 75 - 2000 KVA	ISSUE
DSGN. _____		APP.
APPD. _____		APP.

CAD DRAWING
DO NOT REVISE MANUALLY

FIG. 22
SHEET 3 OF 3

NOTES:

1. THE CUSTOMER WILL NORMALLY PROVIDE THE PAD FOR THREE PHASE PAD-MOUNTED TRANSFORMERS. THE STANDARD IS INTENDED AS A GUIDE FOR PROVIDING THE SPECIFICATIONS FOR PAD INSTALLATIONS APPLICABLE TO PAD-MOUNTED TRANSFORMERS OF VARIOUS KVA SIZE AND DIMENSIONS. THE STANDARD INSTALLATION USES A PRE-CAST CONCRETE BASE AND COVER. THE CONCRETE BASE IS OF UNIFORM SIZE AND UTILIZES COVERS WITH DIFFERENT SIZED WINDOW OPENINGS TO ACCOMMODATE THE KVA SIZE OF THE PAD-MOUNTED TRANSFORMER. DETAILED SPECIFICATIONS AND INSTALLATION REQUIREMENTS ARE PROVIDED IN PAGES 1 TO 3 OF THIS STANDARD.

2. THE SIDES AND REAR OF THE PAD SHALL BE A MINIMUM OF TEN (10) FEET FROM THE WINDOWS AND FIRE ESCAPES AND A MINIMUM OF THREE (3) FEET (TEN (10) FEET PREFERRED) FROM ALL BUILDINGS, FENCES, OR OTHER OBSTRUCTIONS WHICH WILL IMPEDE THE FREE FLOW OF COOLING AIR AROUND THE TRANSFORMER. THE FRONT OF THE PAD (WINDOW SIDE) SHALL HAVE A MINIMUM OF TEN (10) FEET OF UNOBSTRUCTED WORKING SPACE.

3. ACCESS TO PAD AREA BY VEHICLE MUST BE POSSIBLE AT ALL TIMES TO INSURE PROPER OPERATION AND MAINTENANCE FUNCTIONS.

4. STONE FOR BASE AND SIDES OF THE BOX PAD SHALL BE 3/4" MINIMUM TO 1-1/2" MAXIMUM CRUSHED ROCK OR WASHED STONE. 1/2" CRUSHED ROCK OR WASHED STONE MAY BE USED FOR TOP 6" IN LOCATIONS WHERE WINDOW BREAKAGE MAY BE A PROBLEM. FOR THE BASE, STONE SHALL BE PLACED ON UNDISTURBED OR WELL TAMPED EARTH.

5. AREA AROUND THE BOX PAD SHALL BE GRADED SO THAT SURFACE WATER WILL DRAIN AWAY FROM CRUSHED STONE OIL CONTAINMENT.

6. THE BOX PAD SHALL BE INSTALLED SUCH THAT THE TOP SURFACE IS LEVEL TO WITHIN 1/4" HIGH TO LOW.

7. IN GENERAL, 5" CONDUIT SHOULD BE USED FOR BOTH PRIMARY AND SECONDARY CONDUCTORS. HOWEVER, THE SECONDARY CONDUIT SHOULD BE SIZED ACCORDING TO THE SECONDARY CONDUCTORS BEING INSTALLED.

8. PERMANENT SUPPORT SHALL BE PROVIDED FOR THE SECONDARY CONDUCTORS SUCH THAT THE TOTAL WEIGHT SUPPORTED BY EACH TRANSFORMER BUSHING SHALL NOT EXCEED TEN POUNDS. THUS SINGLE RUNS OF 500 MCM COPPER AND LARGER, 1000 MCM AL AND LARGER AND PRACTICALLY ALL MULTIPLE CONDUCTOR RUNS NEED TO BE SUPPORTED TO LIMIT THE STRESS ON THE BUSHINGS.

9. CENTRAL HUDSON RESERVES THE RIGHT TO REQUIRE SUITABLE BARRIERS IN TRAFFIC AREAS TO REDUCE THE PROBABILITY OF DAMAGE DUE TO TRUCKS, AUTOMOBILES, CONSTRUCTION EQUIPMENT, AND THE LIKE. SUITABLE BARRIERS MIGHT BE 4" (MINIMUM) STEEL PIPE, FILLED WITH CONCRETE, SET 4 ft. DEEP AND EXTENDING 3 TO 4 FEET ABOVE GROUND. BARRIERS SHOULD BE SET BEYOND THE OIL CONTAINMENT IN LOCATIONS WHICH WILL INTERCEPT VEHICLES YET NOT INTERFERE WITH THE INSTALLATION OR REMOVAL OF THE TRANSFORMER.

10. ALL GROUNDING MUST BE IN ACCORDANCE WITH COMPANY SPECIFICATIONS.

11. SIZE THE GROUNDING ELECTRODE CONDUCTOR AS FOLLOWS:
   A. 200A SECONDARY SERVICES: #4 AWG.
   B. 400A SECONDARY SERVICES: #1/0 AWG.
   C. LARGER THAN 400A SECONDARY SERVICES: #3/0 AWG.

ELECTRIC STANDARDS	CENTRAL HUDSON GAS & ELECTRIC CORP.	DATE 5-1-15
DRWN. _____	THREE PHASE PAD SPECIFICATIONS 5-34.5 KV 75-2000 KVA	ISSUE
DSGN. _____		APP.
APPD. _____		APP.

CAD DRAWING
DO NOT REVISE MANUALLY

1 / E801 **TRANSFORMER PAD DETAIL**
AS NOTED

CPL | Architecture Engineering Planning
50 FRONT ST, SUITE 102
NEWBURGH, NY 12550
CPLteam.com

PROJECT INFORMATION

Project Number
13940.20

Client Name
NEWBURGH ENLARGED CITY SCHOOL DISTRICT

Project Name
PHASE 5: 2019 CAPITAL IMPROVEMENTS PROJECT

SED # 44-16-00-01-0-018-009

Project Address
400 Old Forge Hill Rd, New Windsor, NY 12553

REVISION SCHEDULE

#	Date	Description

SHEET INFORMATION

Issued
09/27/21
BID SUBMISSION

Drawn By: MAY
Checked By: JAS

Drawing Title
ELECTRICAL DETAILS

VG
E801

9/23/2021 1:59:16 PM S:\Projects\Newburgh ECSD\Vols Gotte ES Addtn & Reno\D Design\08 CAD\Revit\CENTRAL FILES

LUMINAIRE SCHEDULE

MARK	DESCRIPTION	DESIGN MAKE	MODEL #	VOLTS	LAMP			REMARKS
					LUMENS	WATTS	KELVIN COLOR	
L1	22" LINEAR T-BAR FLEX, 60 DEGREE OPTICS WITH DIFFUSING LENS, WHITE HOUSING	ARMSTRONG CEILING SOLUTIONS	TBFL-MW-22-15-B2-A-W-UNV	UNV	881	10.4	3500K	
L1 EM	22" LINEAR T-BAR FLEX, 60 DEGREE OPTICS WITH DIFFUSING LENS, WHITE HOUSING, PROVIDE T-BAR LED EM BATTERY/DRIVER	ARMSTRONG CEILING SOLUTIONS	TBFL-MW-22-15-B2-A-W-UNV/TBEM-DIM-12-64-UNV	UNV	881	10.4	3500K	3
L2	2X2 LED RECESSED TRANSOM ILLUMINATED CENTER RAIL FIXTURE	FLUXWERX	TR122-B-35-F2-M-F2-M-K2	UNV	3146	29	3500K	2
L2 EM	2X2 LED RECESSED TRANSOM ILLUMINATED CENTER RAIL FIXTURE AND EMERGENCY BATTERY	FLUXWERX	TR122-B-35-F2-M-F2-M-K2-B	UNV	3146	29	3500K	2,6,7
L3	1.5" WIDE BY 20'-0" LENGTH PENDANT DIRECT LIGHT FIXTURE WITH FLUSH LENS WHITE HOUSING	3G LIGHTING	3G-1PLI-D-L1000-S80-35K-UNV-DIM-FL-WH-60"-1C	UNV	1000LM PER FT	9.9W/FT	3500K	
L3 EM	1.5" WIDE BY 20'-0" LENGTH PENDANT DIRECT LIGHT FIXTURE WITH FLUSH LENS WHITE HOUSING WITH EM CIRCUIT	3G LIGHTING	3G-1PLI-D-L1000-S80-35K-UNV-DIM-FL-WH-60"-1C-EMC	UNV	1000LM PER FT	9.9W/FT	3500K	8
L3A	1.5" WIDE BY 8'-0" LENGTH PENDANT DIRECT LIGHT FIXTURE WITH FLUSH LENS WHITE HOUSING	3G LIGHTING	3G-1PLI-D-L1000-S80-35K-UNV-DIM-FL-WH-60"-1C	UNV	1000LM PER FT	9.9W/FT	3500K	
L5	2X2 LED RECESSED TRANSOM ILLUMINATED CENTER RAIL FIXTURE	FLUXWERX	TR122-C-90-F2-M	UNV	3980	38	3500K	
L5 EM	2X2 LED RECESSED TRANSOM ILLUMINATED CENTER RAIL FIXTURE AND EMERGENCY BATTERY	FLUXWERX	TR122-C-90-F2-M-B	UNV	3980	38	3500K	6,7
L5A	2X2 LED RECESSED TRANSOM ILLUMINATED CENTER RAIL FIXTURE	FLUXWERX	TR122-B-90-F2-M	UNV	3146	29	3500K	
L5A EM	2X2 LED RECESSED TRANSOM ILLUMINATED CENTER RAIL FIXTURE AND EMERGENCY BATTERY	FLUXWERX	TR122-B-90-F2-M-B	UNV	3146	29	3500K	6,7
L5B	2X2 LED RECESSED TRANSOM ILLUMINATED CENTER RAIL FIXTURE	FLUXWERX	TR122-A-90-F2-M	UNV	2599	23	3500K	
L5B EM	2X2 LED RECESSED TRANSOM ILLUMINATED CENTER RAIL FIXTURE AND EMERGENCY BATTERY	FLUXWERX	TR122-A-90-F2-M-B	UNV	2599	23	3500K	6,7
L6	4"W X 7' L LINEAR PENDANT WITH SATIN ICE ACRYLIC LENS AND WHITE HOUSING	DAY-O-LITE	PRFL-44-D-SI-35-90CRI-SO-7-AC-W-DIM10	UNV	7000	63	3500K	
L6 EM	4"W X 7' L LINEAR PENDANT WITH SATIN ICE ACRYLIC LENS, WHITE HOUSING AND EMERGENCY BATTERY	DAY-O-LITE	PRFL-44-D-SI-35-90CRI-SO-7-AC-W-DIM10-EPC10	UNV	7000	63	3500K	6,7
L7	4" WIDE X 43" LENGTH CROSS PENDANT FIXTURE WITH DIRECT/INDIRECT, CLEAR DIFFUSE AND BLACK HOUSING	BETA-CALCO	AB1-J3-K3-U1-D2-F2-LO-E0-W0	UNV	8778	84	3500K	
L7 EM	4" WIDE X 43" LENGTH CROSS PENDANT FIXTURE WITH DIRECT/INDIRECT, CLEAR DIFFUSE AND BLACK HOUSING AND EMERGENCY BATTERY	BETA-CALCO	AB1-J3-K3-U1-D2-F2-LO-E1-W0	UNV	8778	84	3500K	6,7
L8	1" WIDE X 6' L LINEAR DIRECT PENDANT FIXTURE WITH FROSTED ACRYLIC DIFFUSER AND BLACK HOUSING	BETA-CALCO	AT6-J3-KO-U0-D2-F2-L0	UNV	3309	28	3500K	
L8 EM	1" WIDE X 6' L LINEAR DIRECT PENDANT FIXTURE WITH FROSTED ACRYLIC DIFFUSER ANN BLACK HOUSING PROVIDE WITH BODINE EMERGENCY BATTERY PACK ABOVE CEILING	BETA-CALCO	AT6-J3-KO-U0-D2-F2-L0	UNV	3309	28	3500K	
L8A	1.5" WIDE BY 8' LENGTH PENDANT DIRECT LIGHT FIXTURE WITH FLUSH LENS WHITE HOUSING	3G LIGHTING	3G-1PLI-D-L750-H90-35K-UNV-DIM-FL-WH-60"-1C	UNV	6000	57	3500K	
L8A EM	1.5" WIDE BY 8' LENGTH PENDANT DIRECT LIGHT FIXTURE WITH FLUSH LENS WHITE HOUSING AND EMERGENCY BATTERY	3G LIGHTING	3G-1PLI-D-L750-H90-35K-UNV-DIM-FL-WH-60"-1C-EMC	UNV	6000	57	3500K	6,7
L9	1" DIAMETER TRIMLESS PINHOLE DOWNLIGHT	LITELINE CORPORATION	S20SWS-C35M2-TX-NC	UNV	700	7	3500K	
L11	9.5" X 48"L SURFACE MOUNTED LOW PROFILE CURVED WRAP FIXTURE	MERCURY LIGHTING	LW25-4-3150-35-HTA-1%-UNI-48	UNV	3150	29	3500K	
L11 EM	9.5" X 48"L SURFACE MOUNTED LOW PROFILE CURVED WRAP FIXTURE WITH EMERGENCY BATTERY	MERCURY LIGHTING	LW25-4-3150-35-HTA-1%-UNI-48-EM12	UNV	3150	29	3500K	6,7
L12	82" DIAMETER MULTI-SPOKE ILLUMINATED PENDANT FIXTURE WITH BLACK HOUSING	ALW MASTERSPOKE	RPD8/P1-82.4-35K-0/10V/1-8K-UNV	UNV	28212	371	3500K	
WP	EXTERIOR LED WALLPACK WITH TYPE IV FORWARD THROW DISTRIBUTION, PHOTOCELL AND DARK BRONZE FINISH	HUBBELL LIGHTING	WDM-D-48L-105-4KB-4F-UNV-DBT-PC	UNV	4200	105	4000K	
WP/EM	EXTERIOR LED WALLPACK WITH TYPE III MEDIUM THROW DISTRIBUTION, DARK BRONZE FINISH, PC AND BATTERY BACKUP	HUBBELL LIGHTING	WDM-D-48L-105-4KB-3-UNV-DBT-PC-EM	UNV	4200	105	4000K	6,7
E1	LED EXIT SIGN WITH 90 MINUTE BATTERY AND WHITE HOUSING	HUBBELL LIGHTING	CCESRE	UNV	-	1.0	4000K	
S-1	LED EXTERIOR POLE MOUNTED SQUARE FIXTURE WITH TYPE 4 FORWARD DISTRIBUTION, DARK BRONZE AND PC/DIMMING	HUBBELL OUTDOOR LIGHTING	RAR1-80L-25-4K7-4W-UNV-ASQ12'-DBT-NXSPW_F-CD	UNV	3000	25	4000K	1
S-2	LED EXTERIOR POLE MOUNTED SQUARE FIXTURE WITH TYPE III MEDIUM DISTRIBUTION, DARK BRONZE AND PC/DIMMING	HUBBELL OUTDOOR LIGHTING	RAR1-80L-25-4K7-3-UNV-ASQ10'-DBT-NXSPW_F-CD	UNV	3000	25	4000K	4

REMARKS:

1. PROVIDE 11'-0" LENGTH SQUARE POLE FOR A TOTAL MOUNTING HEIGHT OF 12'-0" AFG WITH POLE BASE.
2. FIXTURES TO BE MOUNTED RECESSED IN GYP CEILING. PROVIDE FIXTURE WITH FK14 FLANGE KIT.
3. PROVIDE T-BAR LED EM BATTERY & DRIVER KIT EACH FIXTURE. MODEL TBEM-DIM-12-64-UNV.
4. PROVIDE 9'-0" LENGTH SQUARE POLE FOR A TOTAL MOUNTING HEIGHT OF 10'-0" AFG WITH POLE BASE.
5. NOT USED.
6. ALL FIXTURES SHOWN WITH AN "EM" DESIGNATION INDICATES EMERGENCY LIGHTING FIXTURE. PROVIDE EMERGENCY BATTERY BACKUP FOR EACH FIXTURE INDICATED.
7. ALL EMERGENCY FIXTURES "EM" SHALL HAVE 90-MINUTE BATTERY CAPACITY AND HAVE INTEGRAL TEST SWITCH.
8. PROVIDE (1) 120 VOLT, 150 WATT EMERGENCY BATTERY INVERTER MOUNTED ABOVE CEILING WITH A REMOTE TEST STATION AT 6'-0" AFF IN ROOM ON ADJACENT CORRIDOR WALL. PROVIDE ALL INTERCONNECTIONS TO LIGHTING FIXTURE AND 2#12, 1#12 AWG EGC IN 3/4" CONDUIT TO CIRCUIT FEEDING ROOM LIGHTING.

PANEL: SWBD-1

LOCATION: BOILER ROOM 145x
VOLTAGE: 208/120V, 3PH, 4W
FED FROM:
MOUNTING: Wall Mounted

A.I.C. RATING: 65 K
MCB RATING: 1600A
MAIN BUS RATING: 1600 A

...	BRKR		LOAD DESCRIPTION	A		B		C		LOAD DESCRIPTION	BRKR		...
1				0	12868								2
3	400	3	MDP - BOILER ROOM			0	10774			PANEL AC-1	3	200	4
5								0	12688				6
7				0	0								8
9	200	3	LPA			0	0			LPB	3	200	10
11								0	0				12
13				500	0								14
15	200	3	LPE			0	0			LPD	3	200	16
17								0	0				18
19				24710	0								20
21	225	3	PP-1			26047	0			LPC	3	100	22
23								26227	0				24
25				24200	21739								26
27	225	3	PP-2			17242	17019			PP-3	3	225	28
29								18969	17319				30
31				10229	19								32
33	20	3	PP-4			10939	19			ACCU-3 CAFETORIUM	3	70	34
35								10454	19				36
37				6004	0								38
39	70	3	ACCU-4 CAFETERIA			6004	0			SPARE	3	225	40
41								6004	0				42
43				0	0								44
45	225	3	SPARE			0	0			SPACE	3	250	46
47								0	0				48
49				0	0								50
51	100	3	SPARE			0	0			SPARE	3	100	52
53								0	0				54
55				0	0								56
57	100	3	SPARE			0	0			SPACE	3	100	58
59								0	0				60
61				0	10928								62
63	100	3	SPACE			0	10928			SPACE	3	250	64
65								0	10928				66
			TOTAL LOAD	111197 VA		98972 VA		102607 VA					

Load Classification

Load	Connected VA	Demand Factor	Demand VA
Recept.	36190 VA	63.82%	23095 VA
Lighting	9731 VA	100.00%	9731 VA
HVAC			
Motors			
Refrig.			
Kitchen			
Misc.	2448 VA	100.00%	2448 VA

Panel Totals

Connected Load	312776 VA
Estimated Load	299681 VA
Connected Amps	868 A
Demand Amps	832 A

EQUIPMENT WIRING SCHEDULE

ITEM #	MARK	LOCATION	VOLTS	PH	FLA	WIRING/CONDUIT	BREAKER	PANEL	CCT	REMARKS
1	AHU-1	GYMNASIUM 101	208 V	3	7 A	(3)#12, #12G IN 3/4"C	15A	PP-1	30,32,34	2
2	AHU-2	GYMNASIUM 101	208 V	3	7 A	(3)#12, #12G IN 3/4"C	15A	PP-1	36,38,40	2
3	AHU-3	STORAGE CAFETORIUM	208 V	3	11 A	(3)#12, #12G IN 3/4"C	15A	(E) PANEL AC-2	1,3,5	2
4	AHU-4	STORAGE CAFETORIUM	208 V	3	11 A	(3)#12, #12G IN 3/4"C	15A	(E) PANEL AC-2	2,4,6	2
6	SSI-1	SERVER 139	208 V	1	1 A	(2)#12, #12G IN 3/4"C	20A	PP-2	7,9	1
7	UV-102[ALT]	EXAM. 102C	208 V	2	24 A	(2)#10, #10G IN 3/4"C	35A	PP-1	4,6	2
8	UV-102	OT/PT 102	208 V	2	24 A	(2)#10, #10G IN 3/4"C	35A	PP-1	4,6	2
9	UV-104	5TH GRADE CLASSROOM 104	208 V	2	24 A	(2)#10, #10G IN 3/4"C	35A	PP-1	8,10	2
10	UV-105	5TH GRADE CLASSROOM 105	208 V	2	24 A	(2)#10, #10G IN 3/4"C	35A	PP-1	12,14	2
11	UV-106	5TH GRADE CLASSROOM 106	208 V	2	24 A	(2)#10, #10G IN 3/4"C	35A	(E) PANEL AC-1	6,8	2
12	UV-107	4TH GRADE CLASSROOM 107	208 V	2	24 A	(2)#10, #10G IN 3/4"C	35A	(E) PANEL AC-1	10,12	2
13	UV-108	4TH GRADE CLASSROOM 108	208 V	2	24 A	(2)#10, #10G IN 3/4"C	35A	(E) PANEL AC-1	5,7	2
14	UV-109	12:1:1 109	208 V	2	24 A	(2)#10, #10G IN 3/4"C	35A	(E) PANEL AC-1	14,16	2
15	UV-111	4TH GRADE CLASSROOM 111	208 V	2	24 A	(2)#10, #10G IN 3/4"C	35A	PP-1	16,18	2
16	UV-113	4TH GRADE CLASSROOM 113	208 V	2	24 A	(2)#10, #10G IN 3/4"C	35A	PP-1	20,22	2
17	UV-115	3RD GRADE CLASSROOM 115	208 V	2	24 A	(2)#10, #10G IN 3/4"C	35A	PP-1	11,13	2
18	UV-116	3RD GRADE CLASSROOM 116	208 V	2	24 A	(2)#10, #10G IN 3/4"C	35A	(E) PANEL AC-1	18,20	2
19	UV-117	3RD GRADE CLASSROOM 117	208 V	2	24 A	(2)#10, #10G IN 3/4"C	35A	PP-1	15,17	2
20	UV-118	3RD GRADE CLASSROOM 118	208 V	2	24 A	(2)#10, #10G IN 3/4"C	35A	(E) PANEL AC-1	9,11	2
21	UV-119	3RD GRADE CLASSROOM 119	208 V	2	24 A	(2)#10, #10G IN 3/4"C	35A	(E) PANEL AC-1	13,15	2
22	UV-121	2ND GRADE CLASSROOM 121	208 V	2	24 A	(2)#10, #10G IN 3/4"C	35A	PP-1	23,25	2
23	UV-123	2ND GRADE CLASSROOM 123	208 V	2	24 A	(2)#10, #10G IN 3/4"C	35A	PP-1	19,21	2
24	UV-125	2ND GRADE CLASSROOM 125	208 V	2	24 A	(2)#10, #10G IN 3/4"C	35A	PP-1	27,29	2
25	UV-127	2ND GRADE CLASSROOM 127	208 V	2	24 A	(2)#10, #10G IN 3/4"C	35A	PP-2	8,10	2
26	UV-128	ART ROOM 128	208 V	2	24 A	(2)#10, #10G IN 3/4"C	35A	PP-2	12,14	2
27	UV-129	SPEC. ED 12:1:1 129	208 V	2	24 A	(2)#10, #10G IN 3/4"C	35A	PP-2	16,18	2
28	UV-130	SCIENCE 125	208 V	2	24 A	(2)#10, #10G IN 3/4"C	35A	PP-2	20,22	2
29	UV-131	12:1:1 131	208 V	2	24 A	(2)#10, #10G IN 3/4"C	35A	PP-2	24,26	2
30	UV-132	STEAM 132	208 V	2	24 A	(2)#10, #10G IN 3/4"C	35A	PP-2	28,30	2
31	UV-133	1ST GRADE 133	208 V	2	24 A	(2)#10, #10G IN 3/4"C	35A	PP-2	32,34	2
32		NOT USED	208 V	2	0 A				<unnamed>	
33	UV-135	AIS INTERVENTIONS 135	208 V	2	24 A	(2)#10, #10G IN 3/4"C	35A	PP-2	36,38	2
34	UV-144	1ST GRADE CLASSROOM 144	208 V	2	24 A	(2)#10, #10G IN 3/4"C	35A	PP-3	17,19	2
35	UV-145	1ST GRADE CLASSROOM 145	208 V	2	24 A	(2)#10, #10G IN 3/4"C	35A	PP-3	21,23	2
36	UV-146	KINDERGARTEN 146	208 V	2	24 A	(2)#10, #10G IN 3/4"C	35A	PP-3	25,27	2
37	UV-147	1ST GRADE CLASSROOM 147	208 V	2	24 A	(2)#10, #10G IN 3/4"C	35A	PP-3	29,31	2
38	UV-148	KINDERGARTEN 148	208 V	2	24 A	(2)#10, #10G IN 3/4"C	35A	PP-3	16,18	2
39	UV-149	KINDERGARTEN 149	208 V	2	24 A	(2)#8, #8G IN 3/4"C	35A	PP-3	20,22	2
40	UV-157	KINDERGARTEN 157	208 V	2	24 A	(2)#10, #10G IN 3/4"C	35A	PP-4	30,32	2
41	UV-214	TEACHER'S ROOM 214	208 V	2	24 A	(2)#10, #10G IN 3/4"C	35A	PP-3	24,26	2
42	UV-215	READING ROOM 215	208 V	1	4 A	(2)#12, #12G IN 3/4"C	20A	PP-3	28,30	2
43	UV-217	LIBRARY 217	208 V	2	24 A	(2)#10, #10G IN 3/4"C	35A	PP-3	32,34	2
44	EF-10	ROOF NURSE EXAM	120 V	1	1 A	(2)#12, #12G IN 3/4"C	20A	PP-3	1	
44	EF-10[ALT]	ROOF NURSE EXAM	120 V	1	4 A	(2)#12, #12G IN 3/4"C	20A	PP-3	1	
45	EF-11	ROOF NURSE TOILET	120 V	1	1 A	(2)#12, #12G IN 3/4"C	20A	PP-3	1	
45	EF-11[ALT]	ROOF NURSE TOILET	120 V	1	4 A	(2)#12, #10G IN 3/4"C	20A	PP-3	1	
46	EF-12	ROOF TOILET	120 V	1	6 A	(2)#12, #10G IN 3/4"C	20A	PP-3	1	
47	EF-13	ROOF LIBRARY	120 V	2	1 A	(2)#12, #12G IN 3/4"C	20A	PP-3	1	
48	EF-14	WOMEN'S TOILET ROOM 159	120 V	1	6 A	(2)#12, #12G IN 3/4"C	15A	(E) PANEL AC-2	7	
49	ACCU-1	EXTERIOR GYMNASIUM 101	208 V	3	23 A	(2)#10, #10G IN 3/4"C	45A	PP-1	24,26,28	1
50	ACCU-2	EXTERIOR GYMNASIUM 101	208 V	3	23 A	(2)#10, #10G IN 3/4"C	45A	PP-1	31,33,35	1
51	ACCU-3	KITCHEN ROOF	208 V	3	50 A	(3)#3, #4 IN 1-1/4" C.	70A	SWBD-1	32,34,36	1
52	ACCU-4	KITCHEN ROOF	208 V	3	50 A	(3)#3, #4 IN 1-1/4" C.	70A	SWBD-1	37,39,41	1
54	SSO-1	OUTSIDE AIS INTER. 135	208 V	1	13 A	(2)#12, #12G IN 3/4"C	20A	PP-2	11,13	
55	RTU-1	ADDITION ROOF	208 V	3	91 A	(3)#250, #3G IN 3"C	110A	SWBD-1	62,64,66	2
56	CU-215	READING ROOM 215	208 V	1	20 A	(2)#12, #12G IN 3/4"C	20A	PP-3	35,37	1
57	RV-1	ROOF AREA 2	120 V	1	3 A	(2)#12, #12G IN 3/4"C	20A	PP-1	37	
58	RV-2	ROOF AREA 2	120 V	1	3 A	(2)#12, #12G IN 3/4"C	20A	PP-1	37	
59	RV-215	ROOF AREA 2	120 V	1	3 A	(2)#12, #12G IN 3/4"C	20A	PP-3	12	
60	RV-3	ROOF AREA 3	120 V	1	3 A	(2)#12, #12G IN 3/4"C	20A	PP-4	34	
61	L-5	ROOF GYMNASIUM	120 V	1	3 A	(2)#12, #12G IN 3/4"C	20A	PP-1	2	1
62	P-AHU-3	STORAGE CAFETORIUM	120 V	1	4 A	(2)#12, #12G IN 3/4"C	20A	(E) PANEL AC-2	32	1
63	P-AHU-4	STORAGE CAFETORIUM	120 V	1	4 A	(2)#12, #12G IN 3/4"C	20A	(E) PANEL AC-2	32	1
64	WH-11-4	MUSIC 204	120 V	1	12 A	(2)#12, #12G IN 3/4"C	20A	PP-4	41	3
65	WH-11-5	VOCAL 205	120 V	1	12 A	(2)#12, #12G IN 3/4"C	20A	PP-4	42	3
66	WH-1-7	WOMEN'S TLT 159	120 V	1	12 A	(2)#12, #12G IN 3/4"C	20A	PP-4	39	3
67	WH-1-8	MEN'S TLT 172	120 V	1	12 A	(2)#12, #12G IN 3/4"C	20A	PP-4	40	3
68	FREEZER CONDENSER RU-2	EXTERIOR KITCHEN	208 V	1	15 A	(3)#12, #12G IN 3/4"C	30A	(E) PANEL AC-2	11,13	1
69	COOLER CONDENSER RU-1	EXTERIOR KITCHEN	208 V	1	7 A	(3)#12, #12G IN 3/4"C	15A	(E) PANEL AC-2	15,17	1
70	FREEZER EVAPORATOR RU-2	FREEZER KITCHEN	120 V	1	1 A	(2)#12, #12G IN 3/4"C	15A	(E) PANEL AC-2	19	1
71	COOLER EVAPORATOR RU-1	COOLER KITCHEN	208 V	1	1 A	(3)#12, #12G IN 3/4"C	15A	(E) PANEL AC-2	21,23	1
A1	UV-134[ALT]	STEAM 181	208 V	1	24 A	(2)#10, #10G IN 3/4"C	35A	PP-2	35,37	2
C1	FCU-1	CORRIDOR AREA 1	120 V	1	5 A	(2)#12, #12G IN 3/4"C	15A	(E) PANEL AC-1	3	1
C2	FCU-2	CORRIDOR AREA 3	120 V	1	5 A	(2)#12, #12G IN 3/4"C	20A	PP-3	15	1
C3	FCU-3	CORRIDOR AREA 3	120 V	1	5 A	(2)#12, #12G IN 3/4"C	20A	PP-3	33	1

EQUIPMENT WIRING SCHEDULE REMARK NOTES:

1. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR THE MOUNTING, AND LINE/LOAD SIDE CONNECTIONS OF DISCONNECT AND/OR STARTER DEVICE ASSOCIATED WITH UNIT. MEANS OF DISCONNECT AND/OR STARTER ASSOCIATED WITH UNIT FURNISHED BY MECHANICAL CONTRACTOR UNLESS OTHERWISE NOTED. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ALL FINAL CONNECTIONS TO EQUIPMENT.
2. PROVIDE FIRE ALARM FAN SHUT DOWN AT EACH UNIT INDICATED.

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PROJECT INFORMATION

Project Number
13940.20

Client Name
NEWBURGH ENLARGED CITY SCHOOL DISTRICT

Project Name
PHASE 5: 2019 CAPITAL IMPROVEMENTS PROJECT

SED # 44-16-00-01-0-018-009

Project Address
400 Old Forge Hill Rd, New Windsor, NY 12553

REVISION SCHEDULE

#	Date	Description

SHEET INFORMATION

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Checked By: JAS

Drawing Title
SCHEDULES

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PANEL: PP-1

LOCATION: JAN. CLT 114A
VOLTAGE: 208/120, 3PH, 4-WIRE
FED FROM: SWBD-1
MOUNTING: SURFACE

A.I.C. RATING: 22K AIC
MCB RATING: 225A
MAIN BUS RATING: 225 A

...	BRKR		LOAD DESCRIPTION	A (VA)		B (VA)		C (VA)		LOAD DESCRIPTION	BRKR		...
1	20	1	RECEPTACLES EXAM 102C ALT	900	300					L-2 ROOF GYMNASIUM	1	20	2
3	20	1	RECEPTACLES EXAM 102B ALT			900	2537			UV-102 OT/PT 102	2	35	4
5	20	1	RECEPTACLES NURSES SUITE 102 ALT					1260	2537				6
7	20	1	RECEPTACLES OFFICE 102D ALT	1080	2538								8
9	20	1	RECEPTACLE REFRIG EXAM 102B ALT			180	2538			UV-104 5TH GRADE CLASSROOM	2	35	10
11	20	2	UV-115 SPEC. ED 3RD & 4TH GRADE...					2538	2538	UV-105 5TH GRADE CLASSROOM	2	35	12
13				2538	2538								14
15	35	2	UV-117 3RD GRADE CLASSROOM 117			2538	2538			UV-111 4TH GRADE CLASSROOM 111	2	35	16
17								2538	2538				18
19	35	2	UV-123 2ND GRADE CLASSROOM 123	2538	2538					UV-113 4TH GRADE CLASSROOM 113	2	35	20
21						2538	2538						22
23	35	2	UV-121 2ND GRADE CLASSROOM 121					2538	2762	ACCU-1 GYMNASIUM	3	20	24
25				2538	2762								26
27	20	2	UV-125 2ND GRADE CLASSROOM 125			2538	2762						28
29								2538	840	AHU-1 GYMNASIUM 101	3	20	30
31	20	3	ACCU-2 GYMNASIUM	2762	840								32
33						2762	840						34
35								2762	840				36
37	20	1	RV-1 & RV-2 ON ROOF	0	840					AHU-2 GYMNASIUM 101	3	20	38
39	20	1	SPARE			0	840						40
41	20	1	SPARE					0	0	SPARE	1	20	42
			TOTAL LOAD	24710 VA		26047 VA		26227 VA					

Load Classification

Load	Connected VA	Demand Factor	Demand VA
Recept.	4320 VA	100.00%	4320 VA
Lighting			
HVAC			
Motors			
Refrig.			
Kitchen			
Misc.			

Panel Totals

Connected Load	76983 VA
Estimated Load	76983 VA
Connected Amps	214 A
Demand Amps	214 A

PANEL: PP-2

LOCATION: STORAGE 125a
VOLTAGE: 208/120, 3PH, 4W
FED FROM: SWBD-1
MOUNTING: SURFACE

A.I.C. RATING: 22K AIC
MCB RATING: 225A MCB
MAIN BUS RATING: 225 A

...	BRKR		LOAD DESCRIPTION	A		B		C		LOAD DESCRIPTION	BRKR		...
1	20	1	LIGHTING SCIENCE 130	10	1500					POWER CORD REELS SCIENCE 125	1	20	2
3	20	1	RV-1 & RV-2 ON ROOF			600	1500			POWER CORD REELS SCIENCE 125	1	20	4
5	20	1	LIGHTING STEAM 132					0	0	SPARE	1	20	6
7	20	2	SSI-01 SERVER 179	104	2538					UV-127 2ND GRADE CLASSROOM 127	2	35	8
9						104	2538						10
11	20	2	SSO-1 EXTERIOR TEACHERS RM 214					1352	2538	UV-128 ART ROOM 128	2	35	12
13				1352	2538								14
15	20	1	LIGHTING SCIENCE 132			10	2538			UV-129 SPEC. ED. 12:1:1 129	2	35	16
17	20	1	POWER CORD REELS STEAM 132					1500	2538				18
19	20	1	RECEPTACLES STORAGE 125A	360	2538					UV-130 SCIENCE 125	2	35	20
21	20	1	RECEPTACLES STORAGE 125A			360	2538						22
23	20	1	RECEPTACLES STORAGE 125A					360	2538	UV-131 12:1:1 131	2	35	24
25	20	1	RECEPTACLES STORAGE 125A	900	2538								26
27	20	1	RECEPTACLES STORAGE 125A			360	2538			UV-132 STEAM 132	2	35	28
29	20	1	RECEPTACLES SCIENCE 130					900	2538				30
31	20	1	RECEPTACLES SCIENCE 132	1260	2538					UV-133 1ST GRADE CLASSROOM 133	2	35	32
33	20	1	RECEPTACLES SCIENCE 132			720	2538						34
35	20	2	UV-134[ALT] STEAM 181					1269	2538	UV-135 AIS INTERVENTIONS 135	2	35	36
37				1269	2538								38
39	20	1	SPARE			0	0			SPARE	1	20	40
41	20	1	RECEPTACLES STEAM 132					540	0	SPARE	1	20	42
43	20	1	POWER CORD REELS STEAM 132	1500	720					RECEPTACLE STEAM 181 (ALTERNATE)	1	20	44
45	20	1	RECEPTACLE STEAM 181...			900	0			EXTERIOR LTG WALL PACK	1	20	46
47	20	1	RECEPTACLE					360	0	RECEPTACLES STEAM 181...	1	20	48
49	20	1	LIGHTING RESOURCE 125	0	0					SPARE	1	20	50
51	20	1	SPARE			0	0			SPARE	1	20	52
53	20	1	SPARE					0	0	SPARE	1	20	54
			TOTAL LOAD	24200 VA		17242 VA		18969 VA					

Load Classification

Load	Connected VA	Demand Factor	Demand VA
Recept.	6120 VA	100.00%	6120 VA
Lighting	21 VA	100.00%	21 VA
HVAC			
Motors			
Refrig.			
Kitchen			
Misc.			

Panel Totals

Connected Load	60411 VA
Estimated Load	60411 VA
Connected Amps	168 A
Demand Amps	168 A

PANEL: PP-3

LOCATION: JAN. CLST. 138
VOLTAGE: 208/120, 3PH, 4-WIRE
FED FROM: SWBD-1
MOUNTING: SURFACE

A.I.C. RATING: 22K AIC
MCB RATING: 225A MCB
MAIN BUS RATING: 225 A

...	BRKR		LOAD DESCRIPTION	A (VA)		B (VA)		C (VA)		LOAD DESCRIPTION	BRKR		...
1	20	1	POWER	234	680					LIGHTING READING-TEACHERS...	1	20	2
3	20	1	RECEPTACLE TEACHER'S ROOM 214			720	1649			LIGHTING LIBRARY 217	1	20	4
5	20	1	RECEPTACLE LIBRARY 217					900	555	LIGHTING TOILET 103-105 & MEDIA...	1	20	6
7	20	1	RECEPTACLE MEDIA 219	900	900					RECEPTACLE CUST. OFFICE 215	1	20	8
9	20	1	RECEPTACLE LIBRARY 217			360	0			LIGHTING LIBRARY 217 CENTER LIGHT	1	20	10
11	20	1	RECEPTACLE TOILET 103-105					360	300	RV-215 ON AREA 3 ROOF	1	20	12
13	20	1	RECEPTACLE LIBRARY 217	1720									14
15	20	1	FCU-2 CORRIDOR			583	2538			UV-148 KINDERGARTEN 148	2	35	16
17	35	2	UV-144 1ST GRADE CLASSROOM 144					2538	2538				18
19				2538	2538								20
21	35	2	UV-145 1ST GRADE CLASSROOM 145			2538	2538			UV-149 KINDERGARTEN 149	2	35	22
23								2538	2538				24
25	35	2	UV-146 KINDERGARTEN 146	2538	2538					UV-214 TEACHER'S ROOM 214	2	35	26
27						2538	437						28
29	35	2	UV-147 1ST GRADE CLASSROOM 147					2538	437	UV-215 READING ROOM 215	2	35	30
31				2538	2538								32
33	20	1	FCU-3 CORRIDOR C04			583	2538			UV-217 LIBRARY 217	2	35	34
35	20	2	CU-215 EXTERIOR TEACHERS RM. 214					2080	0				36
37				2080	0					SPARE	1	20	38
39	20	1	SPARE			0	0			SPARE	1	20	40
41	20	1	SPARE					0	0	SPARE	1	20	42
			TOTAL LOAD	21739 VA		17019 VA		17319 VA					

Load Classification

Load	Connected VA	Demand Factor	Demand VA
Recept.	5860 VA	100.00%	5860 VA
Lighting	2204 VA	100.00%	2204 VA
HVAC			
Motors			
Refrig.			
Kitchen			
Misc.	680 VA	100.00%	680 VA

Panel Totals

Connected Load	56077 VA
Estimated Load	56077 VA
Connected Amps	156 A
Demand Amps	156 A

PANEL: PP-4

LOCATION: CUST./REC. 200
VOLTAGE: 208/120, 3PH, 4-WIRE
FED FROM: SWBD-1
MOUNTING: SURFACE

A.I.C. RATING: 22K AIC
MCB RATING: 225A MCB
MAIN BUS RATING: 225 A

...	BRKR		LOAD DESCRIPTION	A		B		C		LOAD DESCRIPTION	BRKR		...
1	20	1	LIGHTING LOBBY & CORRIDOR	510	605					LIGHTING MUSIC 4	1	20	2
3	20	1	LIGHTING VOCAL 5			469	850			OTHER ENL 212	1	20	4
5	20	1	EXTERIOR LIGHTING					1100	2280	LIGHTING CAFETORIUM 160	1	20	6
7	20	1	LIGHTING CAFETORIUM 160	1824	360					RECEPTACLES TOILET 159 &172	1	20	8
9	20	1	RECEPTACLES MUSIC 4			1080	1080			RECEPTACLES CUST./REC. 1	1	20	10
11	20	1	RECEPTACLES MUSIC 4					1260	1080	RECEPTACLES LOBBY C07 &...	1	20	12
13	20	1	RECEPTACLES VOCAL 5	1260	720					RECEPTACLES RESOURCE 2	1	20	14
15	20	1	RECEPTACLES VOCAL 5			1080	900			RECEPTACLES CASEWORKER OFFIC...	1	20	16
17	20	1	RECEPTACLES ENL SUITE 6					900	720	RECEPTACLES PSYCH. 7 & MED 7A	1	20	18
19	20	1	RECEPTACLES ENL SUITE 6	900	1080					RECEPTACLES PSYCH. SUITE 7	1	20	20
21	20	1	RECEPTACLES MEDIA 217AX			720	720			RECEPTACLES SPEECH 8	1	20	22
23	20	2	RECEPTACLE MEDIA 217AX					45	540	RECEPTACLES SPEECH 8	1	20	24
25				45	900					RECEPTACLES SPEECH OFFICE 8A	1	20	26
27	20	1	RECEPTACLES MEDIA 217AX			360	900			RECEPTACLES PSY. OFFICE 7C	1	20	28
29	20	1	RECEPTACLES PSYCH OFFICE 7C					360	489	UV-157 KINDERGARTEN 157	2	35	30
31	20	1	RECEPTACLES PSYCH. OFFICE 7B	900	489								32
33	20	1	RECEPTACLES ENL OFFICE 6B			900	300			RV-3 CORRIDOR C04	1	20	34
35	20	1	RECEPTACLES ENL OFFICE 6A					900	500	SPARE	1	20	36
37	20	1	RECEPTACLES READING 204	136	500					SPARE	1	20	38
39	20	1	WATER HEATER WH-1-7 TOILET 159			1440	140			WATER HEATER WH-1-8 TOILET 172	1	20	40
41	20	1	WATER HEATER WH-11-4 MUSIC 201					140	140	WATER HEATER WH-11-4 VOCAL 206	1	20	42
43	20	1	SPARE	0	0					SPARE	1	20	44
45	20	1	SPARE			0	0			SPARE	1	20	46
47	20	1	SPARE					0	0	SPARE	1	20	48
49	--	--	SPACE	0	0					SPACE	--	--	50
51	--	--	SPACE			0	0			SPACE	--	--	52
53	--	--	SPACE					0	0	SPACE	--	--	54
			TOTAL LOAD	10229 VA		10939 VA		10454 VA					

Load Classification

Load	Connected VA	Demand Factor	Demand VA
Recept.	19710 VA	75.37%	14855 VA
Lighting	7006 VA	100.00%	7006 VA
HVAC			
Motors			
Refrig.			
Kitchen			
Misc.	1768 VA	100.00%	1768 VA

Panel Totals

Connected Load	31621 VA
Estimated Load	26766 VA
Connected Amps	88 A
Demand Amps	74 A

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PROJECT INFORMATION

Project Number
13940.20

Client Name
NEWBURGH ENLARGED CITY SCHOOL DISTRICT

Project Name
PHASE 5: 2019 CAPITAL IMPROVEMENTS PROJECT

SED # 44-16-00-01-0-018-009

Project Address
400 Old Forge Hill Rd, New Windsor, NY 12553

REVISION SCHEDULE

#	Date	Description

SHEET INFORMATION

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Drawn By: MAY
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PANEL SCHEDULES

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PANEL: MDP

LOCATION: BOILER ROOM 150
VOLTAGE: 120/208V, 3PH, 4W
FED FROM: SWBD-1
MOUNTING: SURFACE

A.I.C. RATING: 42K AIC
MCB RATING: 400A MCB
MAIN BUS RATING: 600 A

...	BRKR		LOAD DESCRIPTION	A (VA)		B (VA)		C (VA)		LOAD DESCRIPTION	BRKR		...
1	20	1	EXIT CLASS ROOM	0	0					HONEYWELL CONTROL CIR	1	20	2
3	20	1	EXIT GYM			0	0			HONEY WELL CAMPUS	1	20	4
5	20	1	MASTER CLOCK					0	0	LIGHT IN TRENCH	1	20	6
7	20	1	SPARE	0	0					BLUE COMP ON WATER TANK	1	20	8
9	20	1	BOILER ROOM LIGHTS			0	0			SUMP PUMP BOILER ROOM	1	20	10
11	20	1	RECEPTACLES ON REAR WALL BOIL...					0	0	HOT WATER CIRCULATOR PUMP	1	20	12
13				0	0								14
15	20	3	CLOCK OMIT OUTPUT			0	0			AC-2	3	20	16
17								0	0				18
19				0	0								20
21	20	3	CP BYH FAN			0	0			HEATER	3	20	22
23								0	0				24
25				0	0								26
27	20	3	TOILET FAN			0	0			CAFETORIUM	3	30	28
29								0	0				30
31				0	0								32
33	40	3	PUMP 1			0	0			PUMP 2	3	40	34
35								0	0				36
37				0	0								38
39	20	3	AIR COMPRESSOR			0	0			OIL PUMPS	3	20	40
41								0	0				42
43				0	0								44
45	20	3	MAIN NEW BUILDING			0	0			CORRIDOR NORTH LIGHTS	3	70	46
47								0	0				48
49				0	0								50
51	70	3	A LIGHTS (PANEL 4)			0	0			BURNERS	3	100	52
53								0	0				54
55				0	0								56
57	125	3	PANEL S			0	0			PANEL K	3	400	58
59								0	0				60
61													62
63													64
65													66
67													68
69													70
71													72
			TOTAL LOAD	0 VA		0 VA		0 VA					

Load Classification

Load	Connected VA	Demand Factor	Demand VA
Recept.			
Lighting			
HVAC			
Motors			
Refrig.			
Kitchen			
Misc.			

Panel Totals

Connected Load	0 VA
Estimated Load	0 VA
Connected Amps	0 A
Demand Amps	0 A

NOTE 1: CONTRACTOR TO INCLUDE DESCRIPTION OF CIRCUIT LOAD BASED OFF OF EXISTING CIRCUIT DIRECTORY LOCATED AT PANELBOARD. ABOVE LOAD DESCRIPTION IS FOR REFERENCE PURPOSES FOR REPLACING PANELBOARD.

CONTRACTOR REQUIRED TO VERIFY ALL EXISTING CIRCUIT BREAKER RATINGS PRIOR TO SUBMITTAL PACKAGE.

PANEL: PANEL 4

LOCATION: PTO 154
VOLTAGE: 120/208V, 3PH, 4W
FED FROM: MDP
MOUNTING: SURFACE

A.I.C. RATING: 10K AIC
MCB RATING: NONE MLO
MAIN BUS RATING: 100 A

CKT	BR...		LOAD DESCRIPTION	A (VA)		B (VA)		C (VA)		LOAD DESCRIPTION	BR...		CKT
1	20	1	EXISTING LOAD	0	0					EXISTING LOAD	1	20	2
3	20	1	EXISTING LOAD			0	0			EXISTING LOAD	1	20	4
5	20	1	EXISTING LOAD					0	0	EXISTING LOAD	1	20	6
7	20	1	EXISTING LOAD	0	0					EXISTING LOAD	1	20	8
9	20	1	EXISTING LOAD			0	0			EXISTING LOAD	1	20	10
11	20	1	EXISTING LOAD					0	0	EXISTING LOAD	1	20	12
13	20	1	EXISTING LOAD	0	0					EXISTING LOAD	1	20	14
15	20	1	EXISTING LOAD			0	0			EXISTING LOAD	1	20	16
17	20	1	EXISTING LOAD					0	0	EXISTING LOAD	1	20	18
19	20	1	EXISTING LOAD	0	0					EXISTING LOAD	1	20	20
21	20	1	EXISTING LOAD			0	0			EXISTING LOAD	1	20	22
23	20	1	EXISTING LOAD					0	0	EXISTING LOAD	1	20	24
25	20	1	EXISTING LOAD	0	0					EXISTING LOAD	1	20	26
27	20	1	EXISTING LOAD			0	0			EXISTING LOAD	1	20	28
29	20	1	SPARE					0	0	SPARE	1	20	30
31	20	1	SPARE	0	0					SPARE	1	20	32
33	20	1	SPARE			0	0			SPARE	1	20	34
35	20	1	SPARE					0	0	SPARE	1	20	36
37	20	1	SPARE	0	0					SPARE	1	20	38
39	20	1	SPARE			0	0			SPARE	1	20	40
41	20	1	SPARE					0	0	SPARE	1	20	42
			TOTAL LOAD	0 VA		0 VA		0 VA					

NOTE 1: CONTRACTOR TO INCLUDE DESCRIPTION OF CIRCUIT LOAD BASED OFF OF EXISTING CIRCUIT DIRECTORY LOCATED AT PANELBOARD. ABOVE LOAD DESCRIPTION IS FOR REFERENCE PURPOSES FOR REPLACING PANELBOARD.

CONTRACTOR REQUIRED TO VERIFY ALL EXISTING CIRCUIT BREAKER RATINGS PRIOR TO SUBMITTAL PACKAGE.

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