NO.	ISSUANCE	DATE	REVISION
1	**50% DESIGN DEVELOPMENT SUBMISSION**	05-01-2020	
2	**100% DESIGN DEVELOPMENT SUBMISSION**	06-01-2020	
3	**100% CD SUBMISSION**	11-06-2020	
4	**SED SUBMISSION**	02-23-2021	
5	**BID SUBMISSION**	12-22-2023	

YONKERS PUBLIC SCHOOLS

One Larkin Center, Yonkers, New York 10701

PHASE 1 OF 3 FOR WINDOW REPLACEMENT, MASONRY, INTERIOR IMPROVEMENTS & SITE WORK

SCHOOL 32

1 MONTCLAIR PLACE, YONKERS, NY 10710

LIST OF DRAWINGS

GENERAL:

T1 TITLE SHEET & LIST OF DRAWINGS
G1 LOCATION MAP, ABBREVIATIONS, LEGENDS, GENERAL NOTES, GENERAL WINDOW NOTES & GENERAL REMOVAL NOTES

ABATEMENT

ASB-100 LOWER FLOOR ASBESTOS CONTAINING MATERIAL LOCATION DRAWING
ASB-101 UPPER FLOOR ASBESTOS CONTAINING MATERIAL LOCATION DRAWING

SITE

R1 EXISTING SITE SURVEY FOR REFERENCE ONLY
AR10 REMOVAL SITE PLAN
A10 SITE PLAN
A20 SITE DETAILS

ARCHITECTURAL

AR100 LOWER FLOOR REMOVAL PLAN
AR101 UPPER FLOOR REMOVAL PLAN
AR200 LOWER FLOOR REMOVAL REFLECTED CEILING PLAN
AR201 UPPER FLOOR REMOVAL REFLECTED CEILING PLAN
AR300 EXTERIOR ELEVATIONS REMOVAL

A100 LOWER FLOOR PLAN
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A102 ROOF PLAN

A110 PARTIAL ROOF PLANS
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A152 CLASSROOM INTERIOR ELEVATIONS
A153 CLASSROOM INTERIOR ELEVATIONS
A154 INTERIOR ELEVATIONS - UPPER FLOOR

A200 LOWER FLOOR REFLECTED CEILING PLAN
A201 UPPER FLOOR REFLECTED CEILING PLAN

A300 EXTERIOR ELEVATIONS

A400 BUILDING SECTION
A410 INTERIOR STAIR

A500 PARTITION TYPES & MISCELLANEOUS DETAILS
A501 CEILING DETAILS, MISCELLANEOUS DETAILS AND CASEWORK DETAILS

A700 DOOR SCHEDULE, TYPES AND DETAILS

A800 FINISH FLOOR PLANS
A825 FINISH LEGEND, FINISH SCHEDULE AND DETAILS

SECURITY

SE-000 COVER SHEET / LEGEND & INDEX

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SE101 SECURITY UPDATE PROJECT FIRST FLOOR

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SE-303 CCTV ONE LINE DIAGRAM

SE-701 BURGLAR & ACCESS OVERALL SYSTEMS INTERFACES - ONE LINE
SE-702A ULTRA SE TYPICAL WIRING DIAGRAM FOR 16 CR DOORS W/ MOTION REX
SE-702B ULTRA SE TYPICAL WIRING DIAGRAM FOR 16 CR DOORS W/ BUILT-IN REX
SE-703 SECURITY EQUIPMENT DETAIL 1- (DOOR TYPICAL)
SE-703A SECURITY EQUIPMENT DETAIL 1A- (DOOR TYPICAL)
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H101 PARTIAL LOWER LEVEL FLOOR PLANS - REMOVALS
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H201 PARTIAL LOWER LEVEL FLOOR PLANS - NEW WORK
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PLUMBING

P101 LOWER AND UPPER LEVEL PART FLOOR PLANS

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E301 LOWER LEVEL POWER PLAN
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E304 SITE UTILITY PLAN
E305 ELECTRICAL FEEDER ROUTING PLAN

E501 ELECTRICAL POWER RISER DIAGRAMS
E601 ELECTRICAL SCHEDULES
E602 LIGHTING FIXTURE SCHEDULE
E701 ELECTRICAL DETAILS
E702 ELECTRICAL DETAILS



PROJECT LOCATION MAP
SCALE: N.T.S.

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DECEMBER 22, 2023

ABBREVIATIONS

&, +	AND	FTG	FOOTING	P	PUMP(IN-LINE OR BASE MOUNTED)
ACU	AIR CONDITIONING UNIT (S)	FOB	FLAT ON BOTTOM	PART	PARTIAL
ACM	ASBESTOS CONTAINING MATERIAL	FOG	FUEL OIL GAUGE	P-CONTR	PLUMBING CONTRACTOR
ACT	ACOUSTICAL CEILING TILE	FOR	FUEL OIL RETURN	PB	PANEL BOX
ACW	ASBESTOS CONTAINING WASTE	FOS	FUEL OIL SUPPLY	PCC	POWER CHARGING CABINET
AD	ACCESS DOOR	FOT	FLAT ON TOP	PD	PRESSURE DROP
ADJ	ADJACENT	FPM	FEET PER MINUTE	PH	PENTHOUSE
AFF	ABOVE FINISH FLOOR	FPS	FEET PER SECOND	PLT	PLATE
AHU	AIR HANDLER UNIT	FRP	FIBERGLASS REINFORCED	PLUMB	PLUMBING
ALUM	ALUMINUM		POLYSTYRENE	PLYWOOD	PLYWOOD
ALT	ALTERNATE	FT	FOOT OR FEET	PNL	PANEL
AMB	AMBIENT			PNT	PAINT
AMP	AMPERE	GA	GAUGE	PREFAB	PREFABRICATED
APD	AIR PRESSURE DROP	GAL	GALLONS	PRESS	PRESSURE
APPROX	APPROXIMATE	GALV	GALVANIZED	PRSCR	PROTECTION SCREEN
A.R.	AREA OF REFUGE	GEN	GENERAL CONSTRUCTION	PSI	POUNDS PER SQUARE INCH
ARCH	ARCHITECTURAL	GEN	GENERAL	PT	PRESSURE TREATED
AVG	AVERAGE	GL	GLASS		
BDD	BACK DRAFT DAMPER	GPH	GALLONS PER HOUR	QT	QUARRY TILE
BFW	BOILER FEED WATER	GPM	GALLONS PER MINUTE	QTY	QUANTITY
BHP	BRAKE HORSE POWER	GR	GRAINS		
BITUM	BITUMINOUS	G.V.	GAS VALVE	R	RISER/RADIUS
BLDG	BUILDING	GYP. BD	GYPSUM BOARD	RA	RETURN AIR
BLK	BLOCK	GYP. FB	GYPSUM FIBERBOARD	RAD	RADIATION
BTUH	BRITISH THERMAL UNITS/HOUR	H	HEIGHT	RD	ROOF DRAIN
BU	BUILT UP	H.B.	HOSE BIB	REF	ROOF EXHAUST FAN
BUR	BUILT UP ROOFING	H-CONTR	HEATING, VENTING, AND AIR CONDITIONING, CONTRACTOR	REINF	REINFORCED
				REQ'D	REQUIRED
C	COMMON	H.C.	HOLLOW CORE	RH	RELATIVE HUMIDITY
CV	CHECK, CHECK VALVE	HEAT	HEATING/COOLING	RO	ROUGH OPENING
CB	CATCH BASIN	HD	HEAD	RM	ROOM
C.C.	COOLING COIL	HEAT.CL.	HEATING COIL	RPM	REVOLUTIONS PER MINUTE
CEIL OR CLG	CEILING	HG	REFRIGERANT HOT GAS	RTU	ROOF TOP UNIT
CER/CEG	CEILING EXHAUST REGISTER/ GRILLE	H.M.	HOLLOW METAL	S	SINK
		HORIZ	HORIZONTAL	SA	SUPPLY AIR
CFM	CUBIC FEET PER MINUTE	H.P.	HIGH POINT	SAN	SANITARY
C.H.	CEILING HEIGHT	HPS	HIGH PRESSURE STEAM	SCHED	SCHEDULE
CHWR	CHILLED WATER RETURN	H.PWR	HORSE POWER	SD	SMOKE DETECTOR
CHWS	CHILLED WATER SUPPLY	HR	HOUR (S)	S.DMPR	SMOKE DAMPER
C.J.	CONTROL JOINT	HT	HEAT	SECT	SECTION
C.L.	CENTER LINE	HTHW	HIGH TEMPERATURE HOT WATER	SF	SQUARE FOOT
CLG WTR	COOLING WATER	HTR	HEATER	SHT	SHEET
CLOS	CLOSET	HV	HEATING/VENTILATION UNIT	SIM	SIMILAR
CMP	CORRUGATED METAL PIPE	H.W.C.	HIGH IMPACT WALL COVERING	SP	STATIC PRESSURE
C.O.	CLEAN OUT	HWR	HOT WATER RETURN	SPEC(S)	SPECIFICATION (S)
COL	COLUMN	HX	HEAT EXCHANGER	SQ	SQUARE
COMPR	COMPRESSOR	HZ	FREQUENCY(CYCLES PER MINUTE)	SQ FT	SQUARE FEET
CONC	CONCRETE			SS	STAINLESS STEEL
CONDR	CONDENSER	ID	INSIDE DIAMETER	STD	STANDARD
CONST	CONSTRUCTION	IEF	IN-LINE EXHAUST FAN	STL	STEEL
CONT	CONTINUOUS	INT	INTERIOR	STM	STEAM
CONTR	CONTRACTOR	INSUL	INSULATION	STOR	STORAGE
CONV	CONVECTOR	INV	INVERT	STRUCT	STRUCTURAL
CR	CONDENSATE PUMP	IN	INCH	SUCT	SUCTION
CRR/CRG	CEILING RETURN REGISTER/ GRILLE	J.B	JUNCTION BOX	SUSP	SUSPENDED
CRU	COMPUTER ROOM UNIT	J.C	JANITOR'S CLOSET	T	TREAD/TOILET
CSD	CEILING SUPPLY DIFFUSER	JT	JOINT	TCP	TEMPERATURE CONTROL PANEL
CT	CERAMIC TILE			T.D.	TRENCH DRAIN
C.TWR.	COOLING TOWER			T.DIFF.	TEMPERATURE DIFFERENCE
CU	CONDENSER UNIT			TEL	TELEPHONE
CU FT	CUBIC FEET	KIT	KITCHEN	TEMP	TEMPERED
CUH	CABINET UNIT HEATER	KW	KILOWATT	TEMPR.	TEMPERATURE
CWR	CONDENSER WATER RETURN	K.M.H.	KINDERGARTEN MOUNTING HEIGHT	THK	THICK
CWS	CONDENSER WATER SUPPLY			T.O.	TRIMMED OPENING
				T.O.C.	TOP OF CURB
D/DIA	DIAMETER	L	LENGTH	T.O.P.	TOP OF PARAPET
DB	DRY BULB TEMPERATURE	LAT	LEAVING AIR TEMPERATURE	T.O.S.	TOP OF STEEL
dB	DECIBEL	LAM	LAMINATE	TSP	TOTAL STATIC PRESSURE
DEG	DEGREE	LAV	LAVATORY	T.STAT	THERMOSTAT
DEMO	DEMOLITION	LBS/#	POUNDS	TYP	TYPICAL
D.F.	DRINKING FOUNTAIN	L.C.C.	LEAD COATED COPPER		
D.H.	DOUBLE HUNG	LDR	LEADER		
DIM	DIMENSION	LF	LINEAR FEET		
DN	DOWN	LIQ	LIQUID	U	URINAL
D.O	REPEAT/DOOR OPENING	LL	LIVE LOAD	UH	UNIT HEATER
DP	DEEP	LB	LOW POINT	UL	UNDERWRITERS LABORATORY
DR	DOOR	LPS	LOW PRESSURE STEAM	UNFIN	UNFINISHED
DWG	DRAWING	LRG	LINEAR RETURN GRILLE	UV	UNIT VENTILATOR
DX	DIRECT EXPANSION	LSD	LINEAR SUPPLY DIFFUSER		
		LWT	LEAVING WATER TEMPERATURE		
E.	EAST			V	VOLT
EA	EACH			VAV	VARIABLE AIR VOLUME
EAT	ENTERING AIR TEMPERATURE	M	MIRROR	V.C.T	VINYL COMPOSITION TILE
E-CONTR	ELECTRICAL CONTRACTOR	MAX	MAXIMUM	VD	VOLUME DAMPER
E-CUSP.	EXISTING CUSPIDOR	MAT	MATERIAL	VEL	VELOCITY
EDB	ENTERING DRY BULB	MBH	BTU PER HOUR (THOUSAND)	VEST	VESTIBULE
E.D.F.	EXISTING DRINKING FOUNTAIN	MD	MOTORIZED DAMPER	V.I.F	VERIFY IN FIELD
EDR	EQUIVALENT DIRECT RADIATION	MECH	MECHANICAL	VLV	VALVE
E.E.W.	EMERGENCY EGRESS WINDOW	MFR	MANUFACTURER	VOL	VOLUME
EF	EXHAUST FAN	MIN	MINIMUM	V.P.	VISION PANEL
EFE	EXISTING FIRE EXTINGUISHER	MISC	MISCELLANEOUS	V.W.C.	VINYL WALL COVERING
E.H.	EXHAUST HOOD	MO	MASONRY OPENING		
EJ	EXPANSION JOINT	MPS	MEDIUM PRESSURE STEAM	W	WOMEN/WIDTH/WASHER
EQ	EQUAL	MS	MARBLE SADDLE	W/	WITH
ELEC	ELECTRICAL	MH	MAN HOLE	WB	WET BULB
EL/ELEV	ELEVATION	MTD	MOUNTED	W.C.	WATER CLOSET
E.M.H.	ELEMENTARY SCHOOL MOUNTING HEIGHT	MTL	METAL	WD	WOOD
				WEF	WALL EXHAUST FAN
ENCL	ENCLOSURE			WER/WEG	WALL EXHAUST REGISTER/GRILLE
ENTR	ENTRANCE			'WG'	INCHES OF WATER, GAGE (PRESSURE)
EQUIP	EQUIPMENT				
ESP	EXTERNAL STATIC PRESSURE	N	NORTH	W.G.	WIRE GLASS
ETC	AND SO FORTH	N/A	NOT APPLICABLE	WK	WORK
EVAP	EVAPORATOR	NC	NORMALLY CLOSED	W.I.	WROUGHT IRON
EWB	ENTERING WET BULB	N.I.C	NOT IN CONTRACT	W.P.	WATER PROOF
EWT	ENTERING WATER TEMPERATURE	NO (S)	NUMBER(S)	WPD	WATER PRESSURE DROP
		N.OPEN	NORMALLY OPEN	W.R.	WATER RESISTANT
EXH	EXHAUST	N.T.S	NOT TO SCALE	WRR/WRG	WALL RETURN REGISTER/GRILLE
EXH.A	EXHAUST AIR			WSR/WSG	WALL SUPPLY REGISTER/GRILLE
EXIST	EXISTING			WTG	WALL TRANSFER GRILLE
EXP	EXPANSION	OA	OUTSIDE AIR	WTR	WATER
EXT	EXTERIOR	OC	ON CENTER	W.W.F.	WELDED WIRE FABRIC
		OD	OUTSIDE DIAMETER	W.W.M.	WELDED WIRE MESH
F	FAHRENHEIT	ODR	OPEN DUCT RETURN		
F.A.I.	FRESH AIR INTAKE	OF	OUTSIDE FACE		
FCU	FAN COIL UNIT	OH	OVERHEAD	YD	YARD DRAIN
F.D.	FLOOR DRAIN	OPNG	OPENING		
F.DAMP.	FIRE DAMPER	OPP	OPPOSITE		
F.E.	FIRE EXTINGUISHER	OZ	OUNCE		
F.G.	FIBER GLASS				
FIN.	FINISH				
FIXT	FIXTURE				
FHC	FIRE HOSE CABINET				
FL/FLR	FLOOR				

GRAPHIC LEGEND

CLASSROOM 100 — ROOM NAME & NUMBER

100 — DOOR NUMBER

1 / 4 A 2 / 3 — ELEVATION KEY

1 / 4 2 / 3 — INTERIOR WALL INDICATIONS

W — WINDOW TYPE

J1 — REMOVAL/WORKSCOPE NOTE

1 — REVISION MARK

1 / A — DETAIL NO. / DETAIL KEY / DWG. NO.

X / X — EXTERIOR ELEVATION KEY

FLUSH — FLUSH THRESHOLD

5'-0" ø HANDICAPPED TURNING RADIUS

REMOVE EXISTING CONSTRUCTION

EXISTING CONSTRUCTION

NEW WALL CONSTRUCTION

A / 1 — COLUMN GRID LINES

EXISTING COLUMN DESIGNATION

X / XXX — BUILDING/WALL SECTION/DETAIL

REFERENCE POINT

HIDDEN LINE BELOW

HIDDEN LINE ABOVE OR BEYOND

CENTERLINE OR N.I.C. LINE

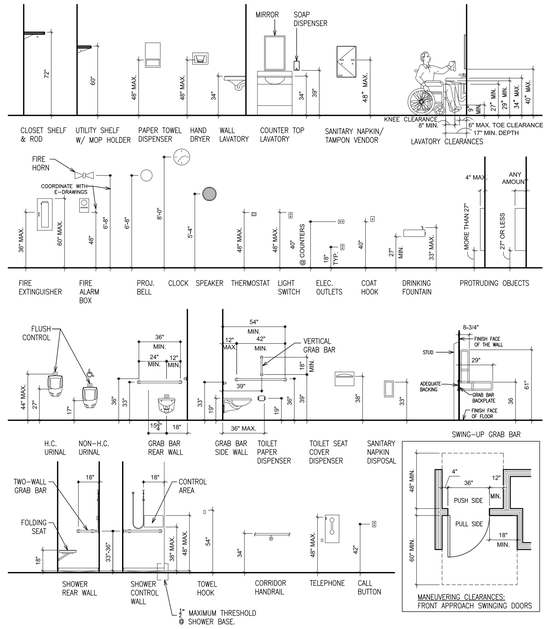
(#) — EXISTING DOOR INDICATES DOOR NUMBER (SEE DOOR SCHEDULE)

(#) — NEW DOOR INDICATES DOOR NUMBER (SEE DOOR SCHEDULE)

MATERIALS LEGEND

CONCRETE	PARTICLE BOARD
CONCRETE MASONRY UNITS	PLYWOOD
BRICK	ACOUSTICAL TILE
STONE	CONTINUOUS WOOD FRAMING THROUGH MEMBER
METALS	WOOD FRAMING THROUGH INTERRUPTED MEMBER
COMPACTED GRAVEL	FINISHED WOOD
EARTH/UNDISTURBED SOIL	BATT INSULATION
DRAINAGE BOARD	RIGID INSULATION

MOUNTING HEIGHTS FOR ACCESSIBLE ITEMS



GENERAL SITE NOTES:

SITE GENERAL NOTES:

1. EXISTING TOPOGRAPHIC INFORMATION AND DATA ON EXISTING CONDITIONS FURNISHED BY THE OWNER AND USED HEREIN AS A BASE MAP INFORMATION OVERLAY.
2. THE CONTRACTOR SHALL VERIFY EXISTING CONDITIONS AND DIMENSIONS IN THE FIELD BEFORE COMMENCING WITH ANY FABRICATION, ORDERING OF MATERIAL, OR PERFORMING WORK. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY CONDITIONS OR DIMENSIONS THAT WOULD HAMPER THE PERFORMANCE OF THE WORK IN ACCORDANCE WITH THE CONTRACT DRAWINGS AND SPECIFICATIONS.
3. THE LOCATIONS OF EXISTING UTILITIES, WATER, SEWERS, AND DRAINS HAVE NOT BEEN INDICATED. THEREFORE, PRIOR TO STARTING WORK IN ANY AREA, THE CONTRACTOR SHALL TAKE THE NECESSARY STEPS TO DETERMINE THE LOCATIONS OF ALL EXISTING UNDERGROUND PIPING, CONDUIT AND STRUCTURES. CONTRACTOR SHALL CARRY OUT HIS OPERATIONS IN SUCH MANNER AS TO PREVENT INTERFERENCE WITH LINES WHICH ARE TO REMAIN ALONE. ANY PIPE OR CONDUIT DISTURBED IN THE COURSE OF CONTRACT SHALL BE REPAIRED BY THE CONTRACTOR AT NO EXTRA COST TO THE OWNER.
4. ALL ADJACENT AREAS OUTSIDE OF THE CONSTRUCTION FENCE DISTURBED DURING THE COURSE OF CONSTRUCTION, SHALL BE REPAIRED TO NEW CONDITION BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
5. ALL AREAS DAMAGED / DISTURBED DURING THE COURSE OF CONSTRUCTION SHALL BE TOPSOIL AND EITHER SEEDED OR SODDED TO RESTORE TO MATCH EXISTING.
6. CATCH BASINS, DRAINS, MANHOLES AND OTHER SUCH STRUCTURES DESIGNATED TO REMAIN SHALL BE PROTECTED.
7. WHERE CONSTRUCTION CROSSES OR IS ADJACENT TO EXISTING UTILITY LINES (FUEL, WATER GAS, TELEPHONE, ELECTRIC OR COMMUNICATION) THE CONTRACTOR SHALL CAREFULLY HAND EXCAVATE SO AS TO LOCATE, MARK AND PROTECT THE UTILITY LINES AGAINST DISTURBANCE OR DAMAGE BY PROVIDING ADEQUATE SUPPORT AND PROTECTION AS APPROVED BY THE ENGINEER/ARCHITECT.
8. THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION WHEN WORKING ADJACENT TO ACTIVE POWER AND COMMUNICATION LINES TO PREVENT DAMAGE TO THESE LINES. THE CONTRACTOR SHALL HAND EXCAVATE TEST PITS TO EXPOSE THOSE LINES PRIOR TO PERFORMING ANY OTHER EXCAVATION WORK IN THE AREA. THE CONTRACTOR SHALL REPAIR ANY POWER OR COMMUNICATION INTERRUPTION IMMEDIATELY, AT NO ADDITIONAL COST TO THE OWNER.
9. WHERE INTERFERENCE WITH OTHER UTILITIES OR CONSTRUCTION ARE ENCOUNTERED DURING CONSTRUCTION OF NEW UTILITY LINES, THE CONTRACTOR MAY ADJUST THE ALIGNMENT OR INVERT ELEVATIONS OF THAT SYSTEM ONLY AT THE DIRECTION OF THE ENGINEER/ARCHITECT.
10. THE CONTRACTOR SHALL ACCEPT FULL RESPONSIBILITY FOR THE PROPER PROTECTION OF EXISTING STRUCTURES WHICH ARE DESIGNATED TO REMAIN DURING CONSTRUCTION AND THE LIFE OF THE CONTRACT. ANY STRUCTURES FOUND TO BE DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED AT THE OWNER'S DISCRETION TO THE COMPLETE SATISFACTION OF THE OWNER AND AT THE CONTRACTOR'S FULL EXPENSE.
11. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY GRADES, QUANTITIES, DIMENSIONS AND OTHER EXISTING CONDITIONS. ANY DISCREPANCIES NOTED SHALL BE REPORTED TO THE OWNER'S REPRESENTATIVE BEFORE PROCEEDING AND ANY WORK STARTED BEFORE ACCEPTANCE BY THE OWNER'S REPRESENTATIVE SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE SUBJECT TO CORRECTIONS BY HIM WITHOUT ADDITIONAL COMPENSATION.
12. THE CONTRACTOR SHALL COORDINATE THIS WORK WITH OTHER CONTRACTORS WHO MAY BE PERFORMING WORK ON THE SITE.
13. ALL NECESSARY PRECAUTIONS SHALL BE TAKEN FOR THE PROTECTION OF THE CLIENT'S AND PUBLIC'S SAFETY AND WELFARE DURING CONSTRUCTION. THE CONTRACTOR SHALL MAINTAIN AND IMPLEMENT THE APPROPRIATE TRAFFIC CONTROL MEASURES DURING THE COURSE OF CONSTRUCTION. MAINTENANCE AND PROTECTION OF TRAFFIC SHALL BE CONDUCTED IN ACCORDANCE WITH THE TOWN OF PINE BUSH REQUIREMENTS.
14. ALL EXISTING IMPROVEMENTS, PAVING, CURBS, STRUCTURES AND PLANT MATERIAL TO REMAIN WHICH ARE DAMAGED BY THE CONTRACTOR SHALL BE RESTORED OR REPLACED TO THEIR ORIGINAL CONDITION BY THE CONTRACTOR WITHOUT COMPENSATION.
15. ALL WORK SHALL CONFORM TO APPLICABLE FEDERAL, STATE AND LOCAL LAWS, CODES AND REGULATIONS. CONTRACTOR SHALL OBTAIN ALL PERMITS PRIOR TO START OF WORK.
16. ALL DIMENSIONS AND RADIUS ARE TO BE FACE OF CURBS OR WALLS UNLESS OTHERWISE NOTED.
17. AREAS TO RECEIVE PAVING, CURBS, PLANTING, IRRIGATION SLEEVES AND OTHER SITE IMPROVEMENTS SHALL BE MARKED OUT AND ANY ADJUSTMENTS IN THEIR LOCATION, AS DIRECTED BY THE OWNER'S REPRESENTATIVE, SHALL BE MADE PRIOR TO COMMENCEMENT OF WORK.
18. EXPANSION JOINTS ARE TO BE LOCATED AT THE JUNCTION OF ALL CURBS, STEPS, WALLS AND PAVING ADJACENT TO BUILDING. EXPANSION JOINTS SHALL NOT OCCUR MORE THAN 20' APART IN ANY CONCRETE SURFACE.
19. WHERE SIDEWALK SCORING PATTERN IS NOT SHOWN, MATCH ADJACENT SCORING PATTERN WHERE ADJACENT TO EXISTING SIDEWALK. SCORE PATTERN TO BE SIMILAR TO PLAN AND REVIEWED WITH ARCHITECT PRIOR TO INSTALLATION.
20. CONTRACTORS SHALL HAVE PRECONSTRUCTION MEETING WITH UTILITY COMPANIES.
21. MILLED ASPHALT CAN NOT BE USED AS BASE COURSE.
22. **EXISTING TOPOGRAPHIC SPOT ELEVATIONS AND GRADES OF PAVED AREAS TO BE USED TO ESTABLISH FINAL GRADES OF NEW PAVING.**
23. **FINAL ELEVATIONS OF AREAS TO BE TOPPED WILL BE EXISTING GRADE PLUS 2".**
24. PITCH ALL NEW PAVING TO EXISTING CATCH BASINS WHERE PRESENT. FOR PAVED AREAS WITHOUT CATCH BASINS, CROWN ROAD AND PITCH TO SIDES.
25. ALL EXISTING CATCH BASINS, MANHOLES, UTILITY BOXES, ETC., FRAMES, AND GATES DISTURBED BY REMOVALS TO BE CHECKED FOR STRUCTURAL INTEGRITY. PROVIDE CLAY BRICK, CONCRETE BRICK OR OTHER MASONRY TO RESTORE RISER TO SOUND CONDITION.
26. PROVIDE TEMPORARY SUPPORT OF EXISTING CONCRETE CURBS TO REMAIN DURING REMOVALS AND NEW PAVEMENT INSTALLATION.

GRADING NOTES:

1. THE CONTRACTOR SHALL VERIFY ALL GRADES AND EXISTING CONDITIONS, AND REPORT ANY DISCREPANCIES TO THE OWNER'S REPRESENTATIVE.
2. MAKE SMOOTH TRANSITIONS BETWEEN ALL SLOPE CHANGES AND FEATHER EDGES OF ALL CUTS AND FILLS TO BLEND WITH EXISTING CONDITIONS.
3. PRIOR TO PAVING, PLANTING AND SEEDING, ALL FINAL GRADING SHALL BE APPROVED BY THE OWNER'S REPRESENTATIVE.
4. ADJUST ALL EXISTING AND RELOCATED UTILITY COLLARS, FRAMES, INLETS, VALVE BOXES, ETC. TO MEET NEW SURFACE GRADES.
5. ADJUST ALL EXISTING AND RELOCATED MANHOLES, CATCH BASINS AND UTILITY STRUCTURES TO NEW ELEVATIONS WHERE REQUIRED.
6. ALL EXCAVATED MATERIAL NOT REQUIRED FOR GRADING OR FILLING SHALL BE REMOVED PROMPTLY FROM THE SITE AND DISPOSED OF LEGALLY.
7. ALL WORK TO BE CONFINED WITHIN THE CONTRACT LIMITS WITH NO CLEARING, EXCAVATION, OR DEPOSITION OF FILL TO TAKE PLACE WITHIN REGULATED AREAS OUTSIDE OF THE PROJECT LIMITS.
8. EXCEPT AT HANDICAPPED RAMPS, GRADING ALONG HANDICAPPED ACCESSIBLE ROUTES SHALL NOT EXCEED 5% (1:20) LONGITUDINALLY OR 2% (1:50) CROSS SLOPE.

SITE PREPARATION NOTES:

1. EXISTING ITEMS NOTED TO REMAIN AND EXISTING ITEMS TO BE REMOVED, WHERE INDICATED ON THE DRAWING ARE FOR CLARIFICATION. IN ANY CASE, REMOVE EXISTING TREES, VEGETATION, PAVING, CURBS, WALKS, FOUNDATIONS, WALLS AND OTHER SITE IMPROVEMENTS AS NECESSARY TO COMPLETE THE WORK. REMOVE SUCH EXISTING ITEMS ONLY WITH THE APPROVAL OF THE OWNER'S REPRESENTATIVE.
2. CONTACT "DALL BEFORE YOU DIG" AT 1-800-922-4455 OR PREDEFINED TELEPHONE NUMBER AT LEAST 2 BUSINESS DAYS PRIOR TO EXCAVATION AND FOLLOW PROGRAM PROCEDURES.
3. KEEP THE SITE CLEAR OF DEBRIS THROUGHOUT THE CONSTRUCTION PERIOD. SECURE MATERIALS AND DEBRIS SO AS TO NOT CAUSE HAZARD OR NUISANCE.
4. BRING DISTURBED AREAS TO FINISHED CONDITION AS SOON AS POSSIBLE AFTER INITIAL DISRUPTION. PROTECT SLOPES INITIALLY WITH MULCH UNTIL PLANTINGS TAKE HOLD.
5. LIMITS OF REMOVAL SHOWN ARE APPROXIMATE. CONTRACTOR SHALL VERIFY ACTUAL FIELD LIMITS OF REMOVALS. BASE BID PRICE TO INCLUDE ALL TOPSOIL STRIPPING NECESSARY TO COMPLETE WORK.
6. ALL AREAS DISTURBED, NOT OTHERWISE CALLED OUT IN THESE PLANS FOR A SPECIFIC TREATMENT SHALL BE TREATED WITH 6" TOPSOIL AND SEED.
7. SITE PREPARATION WORK SHALL NOT BEGIN UNTIL ALL APPROPRIATE EROSION AND SEDIMENT CONTROLS HAVE BEEN INSTALLED. REFER TO DRAWING A12 FOR SEDIMENTATION AND EROSION CONTROL PLANE. THE GENERAL CONTRACTOR SHALL MAINTAIN A SUPPLY IF SILT FENCE/HAYBALES AND ANTITRACKING CRUSH STONE ON SITE FOR EMERGENCY REPAIRS.

EROSION CONTROL NOTES:

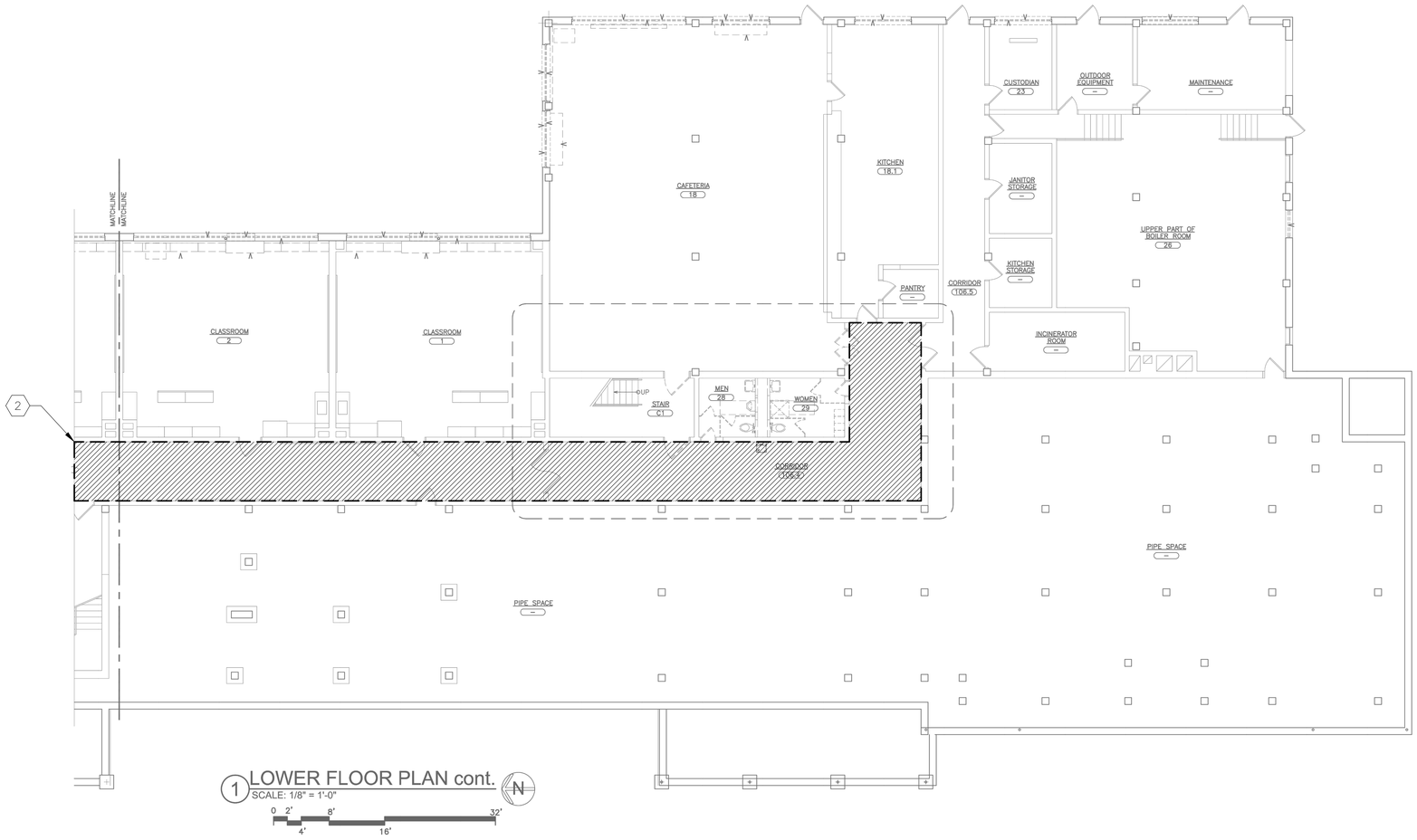
1. ALL SEDIMENTATION AND EROSION CONTROL MEASURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH ALL APPLICABLE REGULATORY REQUIREMENTS.
2. LAND DISTURBANCE SHALL BE KEPT TO THE MINIMUM NECESSARY FOR CONSTRUCTION OPERATIONS.
3. ALL CATCH BASINS SHALL BE PROTECTED WITH A HAYBALE RING, THROUGHOUT THE CONSTRUCTION PERIOD AND UNTIL ALL DISTURBED AREAS ARE THOROUGHLY STABILIZED.
4. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO CONSTRUCTION.
5. ALL SEDIMENTATION AND EROSION CONTROL MEASURES SHALL BE MAINTAINED IN EFFECTIVE CONDITION THROUGHOUT THE CONSTRUCTION PERIOD UNTIL THE CONTRIBUTING AREAS HAVE BEEN ADEQUATELY STABILIZED.
6. THE CONTRACTOR SHALL UTILIZE APPROVED METHODS/MATERIALS FOR PREVENTING THE BLOWING AND MOVEMENT OF DUST FROM EXPOSED SOIL SURFACES ONTO ADJACENT PROPERTIES AND SITE AREAS.
7. THE GENERAL CONTRACTOR SHALL MAINTAIN A SUPPLY IF SILT FENCE/HAYBALES ANS ANTITRACKING CRUSH STONE ON SITE FOR EMERGENCY REPAIRS.
8. ALL DRAINAGE STRUCTURES SHALL BE INSPECTED WEEKLY BY THE CONTRACTOR AND CLEANED TO PREVENT THE BUILD-UP OF SILT.
9. THE CONTRACTOR SHALL CAREFULLY COORDINATE THE PLACEMENT OF EROSION CONTROL MEASURES WITH THE PHASING OF CONSTRUCTION.
10. KEEP ALL PAVED ROADWAYS CLEAN. SWEEP BEFORE FORECASTED STORMS.
11. PROVIDE ALL UNPAVED DISTURBED SURFACE WITH 6" MINIMUM OF TOPSOIL PRIOR TO FINAL STABILIZATION.
12. THE CONTRACTOR SHALL CLEAN ALL ON-SITE DRAINAGE STRUCTURES OF ACCUMULATED SEDIMENT ONCE THE SITE HAS BEEN STABILIZED.
13. ALL WORK TO BE CONFINED WITHIN THE CONSTRUCTION FENCE (UNLESS NOTES OTHERWISE) NO CLEARING, EXCAVATION OR DEPOSITION OF FILL SHALL TAKE PLACE WITHIN REGULATED AREAS OUTSIDE PROJECT LIMITS.
14. SEDIMENT REMOVED SHALL BE DISPOSED OF OFF SITE OR IN A MANNER AS REQUIRED BY THE ARCHITECT.
15. REMOVAL OD EXCESS MATERIAL OFF THE SITE SHALL BE LIMITED FROM 9:00 AM TO 2"00 PM WHILE SCHOOL IS IN SESSION, AND FROM 9:00 AM TO 4:00 PM WHILE SCHOOL IS NOT IN SESSION.
16. ALL TRUCKS LEAVING THE SITE MUST BE COVERED.
17. MAINTAIN ACCESS TO BUILDINGS AND ATHLETIC FIELDS AT ALL TIMES.

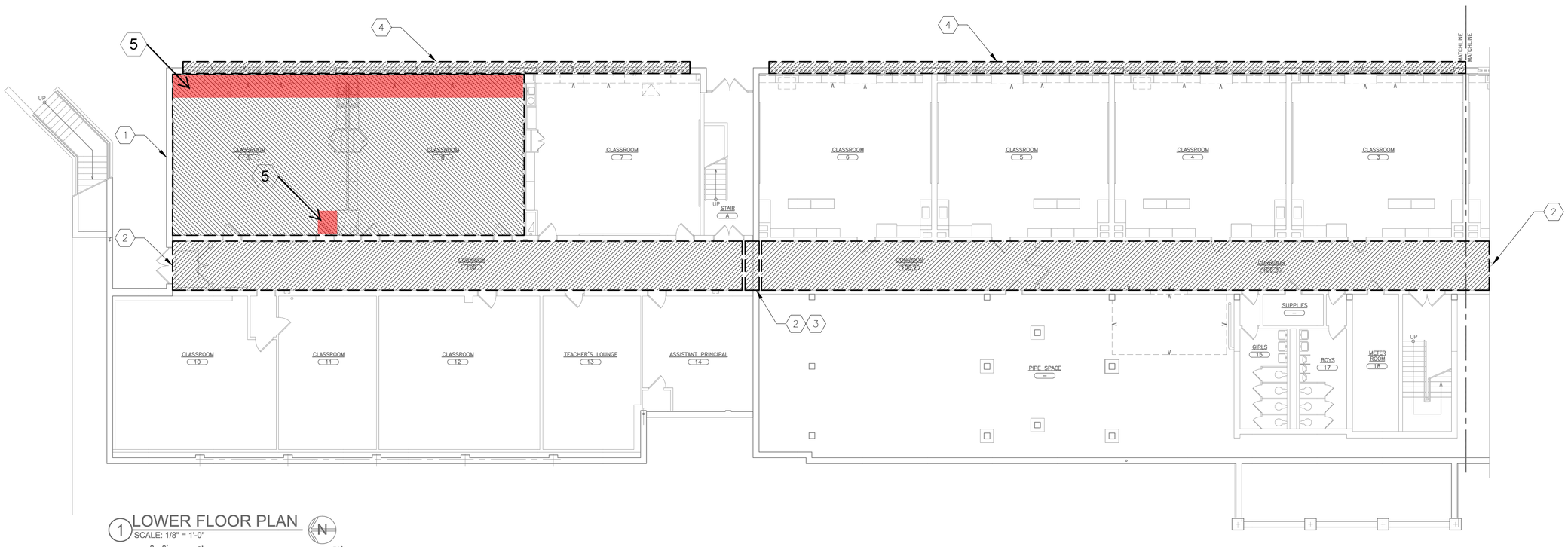
GENERAL NOTES

THE FOLLOWING NOTES SHALL APPLY THROUGHOUT. EXCEPTIONS ARE SPECIFICALLY NOTED ON EACH DRAWING:

1. ALL DETAILS AND/OR PART OF DETAILS ARE SIMILAR FOR SIMILAR LOCATIONS IN ALL OR PART OF THE DETAIL.
2. COORDINATION OF ALL WORK UNDER THIS CONTRACT SHALL BE MAINTAINED TO ENSURE THE QUALITY AND TIMELY COMPLETION OF THE WORK/PROJECT.
3. INDICATED DIMENSIONS ARE TO:
   A. FACE OF MASONRY OR CONCRETE AND FACE OF FINISH TO FINISH ARE EXACT.
   B. CENTER LINES.
4. DRAWINGS ARE NOT TO BE SCALED. USE DIMENSIONS ONLY. ALL DIMENSIONS AND CONDITIONS SHOWN AND ASSUMED ON THE DRAWINGS MUST BE VERIFIED AT THE SITE BY THE CONTRACTOR BEFORE ORDERING ANY MATERIAL OR DOING ANY WORK. ANY DISCREPANCIES IN THE DRAWINGS AND SPECIFICATIONS SHALL BE REPORTED TO THE AUTHORITY. NO CHANGE IN DRAWINGS OR SPECIFICATIONS IS PERMISSIBLE WITHOUT THE WRITTEN CONSENT OF THE ARCHITECT AND ENGINEER. NO WORK SHALL PROCEED UNTIL SUCH DISCREPANCY HAS BEEN RECTIFIED.
5. ANY VARIATION FROM CONDITIONS SHOWN ON THESE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE. AFFECTED WORK SHALL NOT PROCEED UNTIL CLARIFICATION HAS BEEN RECEIVED.
6. ALL WORK OF THIS CONTRACT SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THE BUILDING CODE NEW YORK STATE AND REGULATIONS OF OTHER AGENCIES HAVING JURISDICTION ON THE WORK OF THIS CONTRACT.
7. ALL WORK ON THESE DRAWINGS SHALL BE CONSIDERED NEW WORK WHETHER STATED OR NOT EXCEPT WHERE SPECIFICALLY NOTED AS "EXISTING TO REMAIN".
8. DISCREPANCIES AND OMISSIONS ON DRAWINGS AND SPECIFICATIONS SHALL BE REPORTED TO THE OWNER'S REPRESENTATIVE IN WRITING FOR CLARIFICATION.
9. SET ALL WORK STRAIGHT, PLUMB AND LEVEL OR WITH INDICATED SLOPE.
10. THE CONTRACTOR SHALL USE THE APPROVED STANDARDS: A.I.S.C. FEDERAL, U.S., ETC. STANDARDS OF THEIR TRADES. ALL CONSTRUCTION SHALL BE PERFORMED TO THESE STANDARDS.
11. IF AMBIGUITIES EXIST IN THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL INCLUDE IN HIS BID THE MORE EXPENSIVE MATERIAL OR METHOD OF WORK.
12. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF DEBRIS. THE CONTRACTOR SHALL KEEP WORK SITE FREE FROM DEBRIS AND ACCUMULATED REFUSE, AND SHALL HAVE SOLE RESPONSIBILITY FOR PROTECTING ALL DANGEROUS AREAS FROM ENTRY BY UNAUTHORIZED PARTIES. SITE SHALL BE LEFT BROOM CLEAN AT THE END OF EACH WORKING DAY.
13. LARGE SCALE DETAILS HAVE PRECEDENCE, HOWEVER WORK INDICATED ON SMALL SCALE DRAWINGS SHALL NOT BE OMITTED. SIMILARLY, NOTES TAKE PRECEDENCE OVER SCHEDULES, PIPING AND WIRE DIAGRAMS. HOWEVER, WORK SHOWN OR DESCRIBED BY OTHER METHODS SHALL NOT BE OMITTED.
14. THE CONTRACTOR SHALL PATCH AND REPAIR ALL DAMAGED OR EXPOSED SURFACES DUE TO CONTRACT WORK. ALL NEWLY INSTALLED, PATCHED WORK AND ALL AFFECTED AREAS SHALL BE PAINTED. ALL PAINTING WORK SHALL BE PERFORMED TO COVER THE ENTIRE HORIZONTAL OR VERTICAL SURFACE TO THE CLOSEST CORNER IN ALL FOUR DIRECTIONS. COLOR TO MATCH EXISTING CONDITIONS.
15. THE CONTRACTOR SHALL FURNISH AND INSTALL NEW MATERIALS AT NO ADDITIONAL COST TO THE OWNER FOR THE FOLLOWING CONDITIONS:
   A) TO FURNISH THE WORK OF THIS CONTRACT IN WORKMANLIKE MANNER.
16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADEQUATELY BRACING AND PROTECTING ALL WORK DURING CONSTRUCTION AGAINST DAMAGE, BREAKAGE, COLLAPSE, DISTORTIONS AND OFF ALIGNMENT

KEY			
ITEM	ASBESTOS CONTAINING MATERIAL	APPROXIMATE QUANTITY	LEGEND
1	NOT IN CONTRACT		
2	FIRE STOPPER	100 SF	
3	TAR PAPER ON BEAM	75 SF	
4	NOT IN CONTRACT		
5	FLOOR TILE & MASTIC	228 S.F.	





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WWW.FULLERANGELO.COM

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SEAL:

S.E.D. CONTROL NUMBER:

PROJECT TITLE
YONKERS SCHOOL DISTRICT
PS 32 - WINDOW REPLACEMENT, MASONRY & SITE IMPROVEMENTS
1 MONTCLAIR PLACE, YONKERS NEW YORK 10710

DRAWING TITLE
1ST. FLOOR
ASBESTOS CONTAINING MATERIAL LOCATION DRAWING

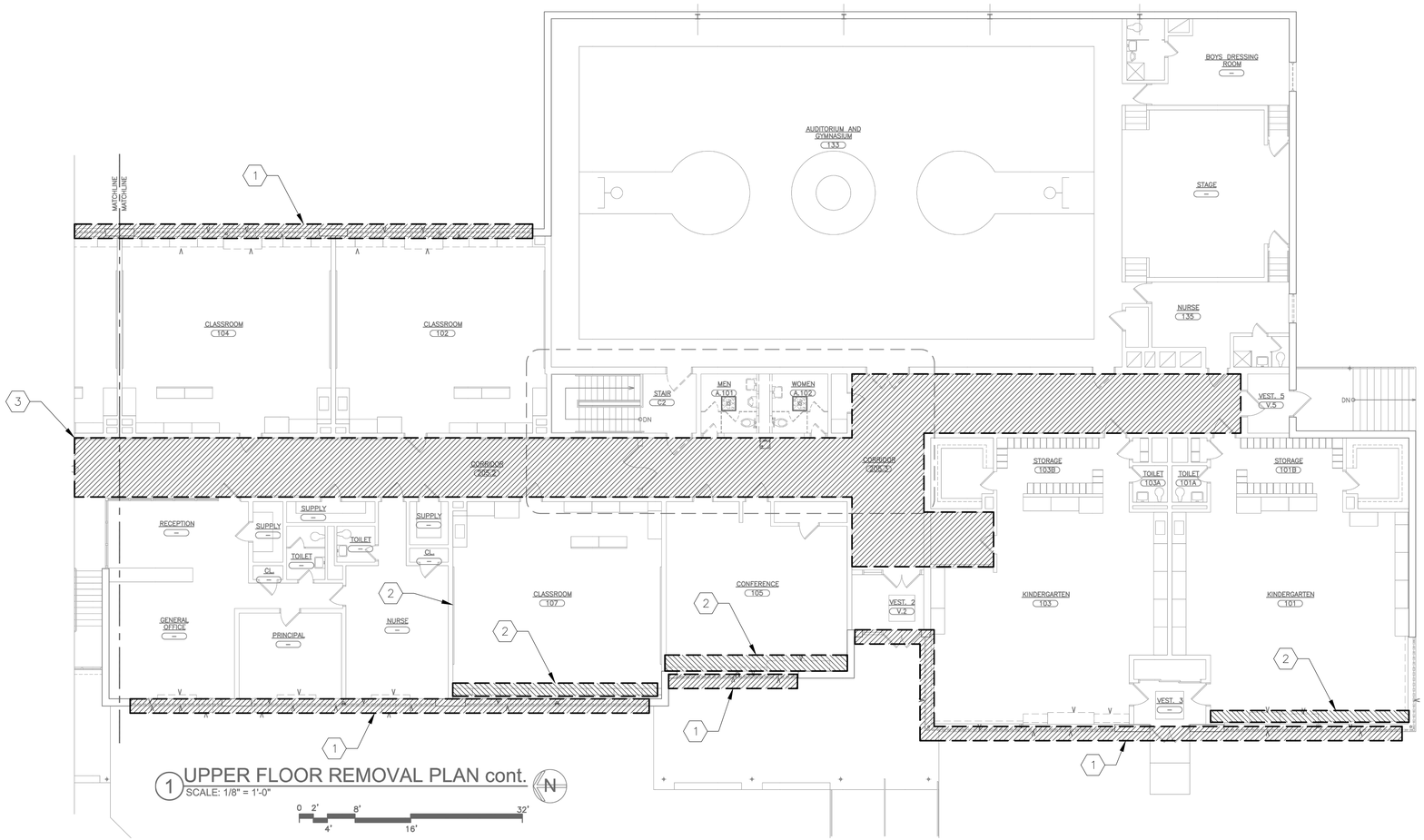
DATE	ISSUED TO
12-22-2023	BID
02-23-2021	SED

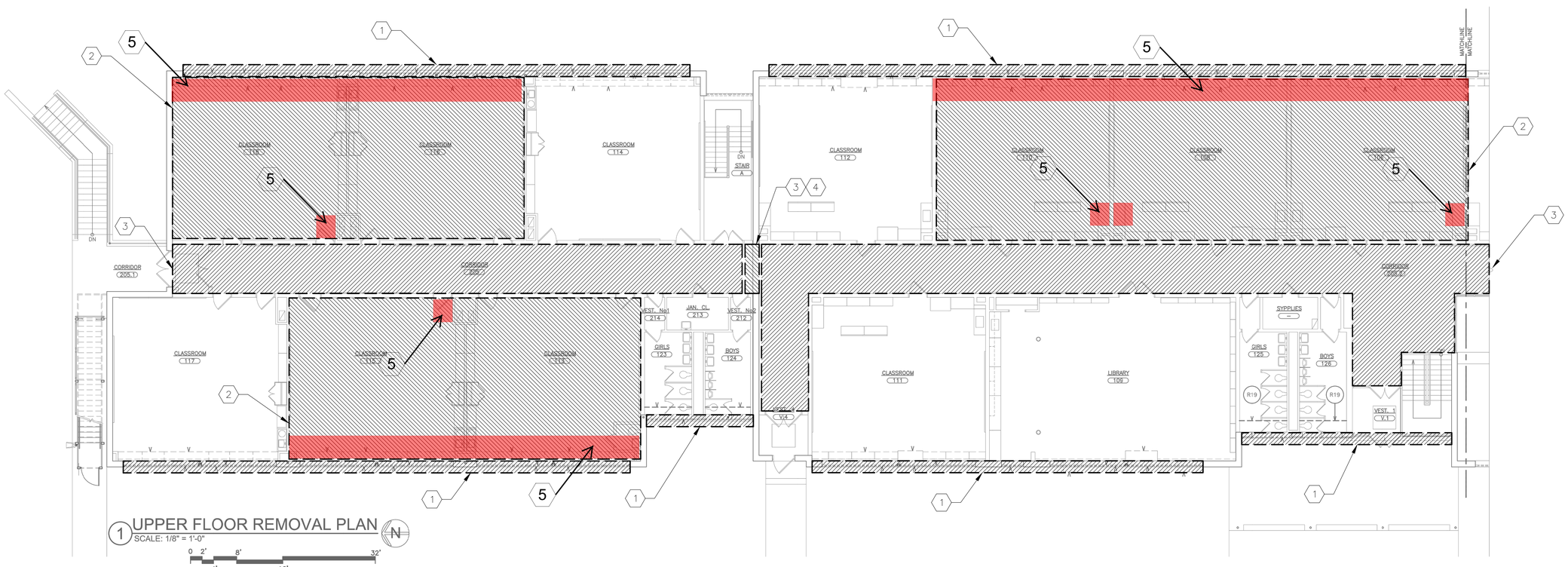
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30"x42"	PS32 ASB-100
SCALE: AS NOTED	
DRAWN BY: WP	FILE NO.: 258.19.15

PLOT DATE: December 06, 2020 - 8:26am

FILE: C:\Users\AV\Warren and Panzer Engineers, P.C\CAD – Documents\258 Fuller DAngelo\19 – Yonkers Public Schools\15 – PS 32\258.19.15 WP ACM Drawing 30X42.dwg

KEY			
ITEM	ASBESTOS CONTAINING MATERIAL	APPROXIMATE QUANTITY	LEGEND
1	NOT IN CONTRACT		
2	NOT IN CONTRACT		
3	FIRE STOPPER	100 SF	
4	TAR PAPER ON BEAM	75 SF	
5	FLOOR TILE & MASTIC	805 SF	





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E-MAIL FULLERDANGELO@AOL.COM

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SEAL:

S.E.D. CONTROL NUMBER:

PROJECT TITLE
YONKERS SCHOOL DISTRICT
PS 32- WINDOW REPLACEMENT, MASONRY & SITE IMPROVEMENTS
1 MONTCLAIR PLACE, YONKERS NEW YORK 10710

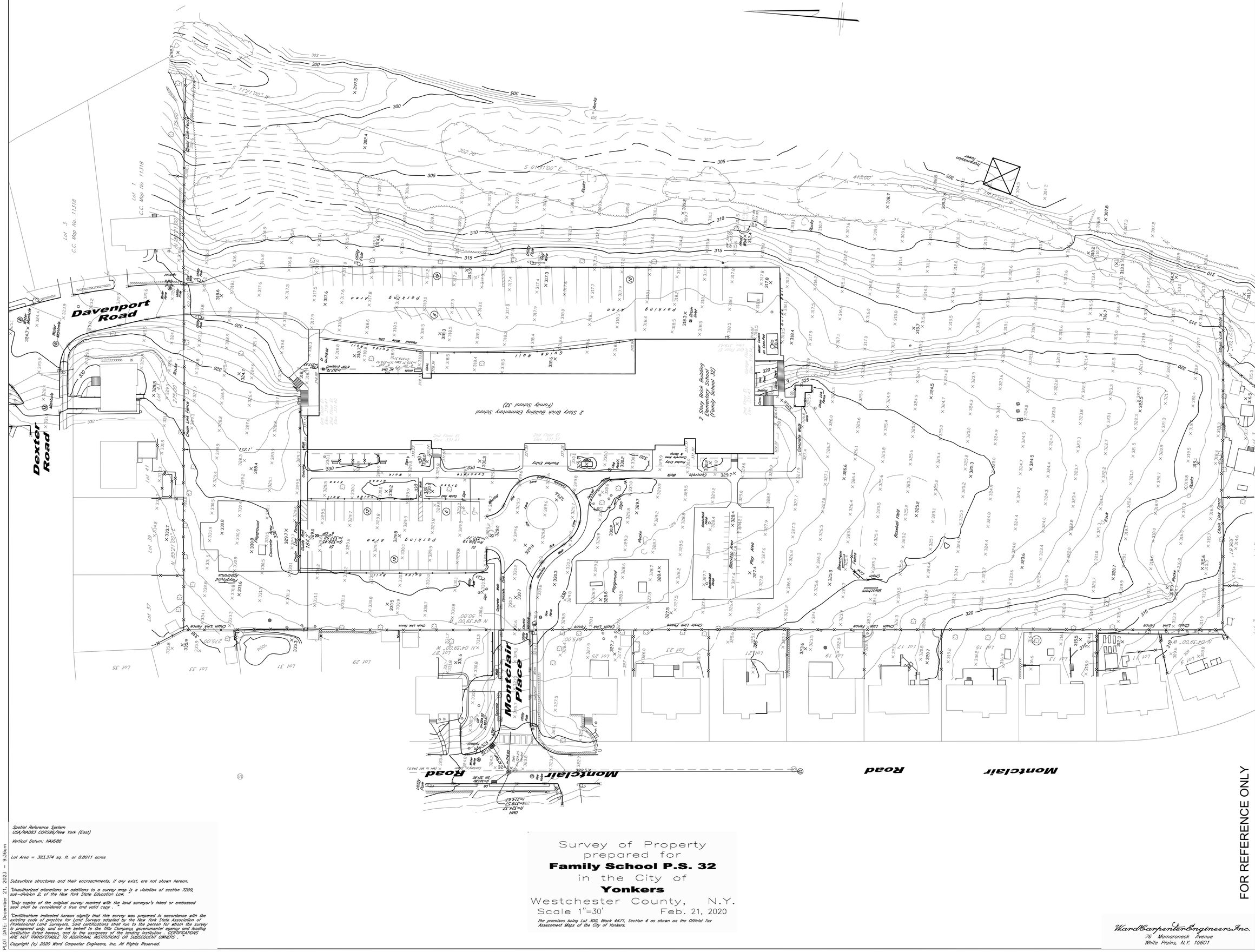
DRAWING TITLE
1ST FLOOR
ASBESTOS CONTAINING MATERIAL LOCATION DRAWING

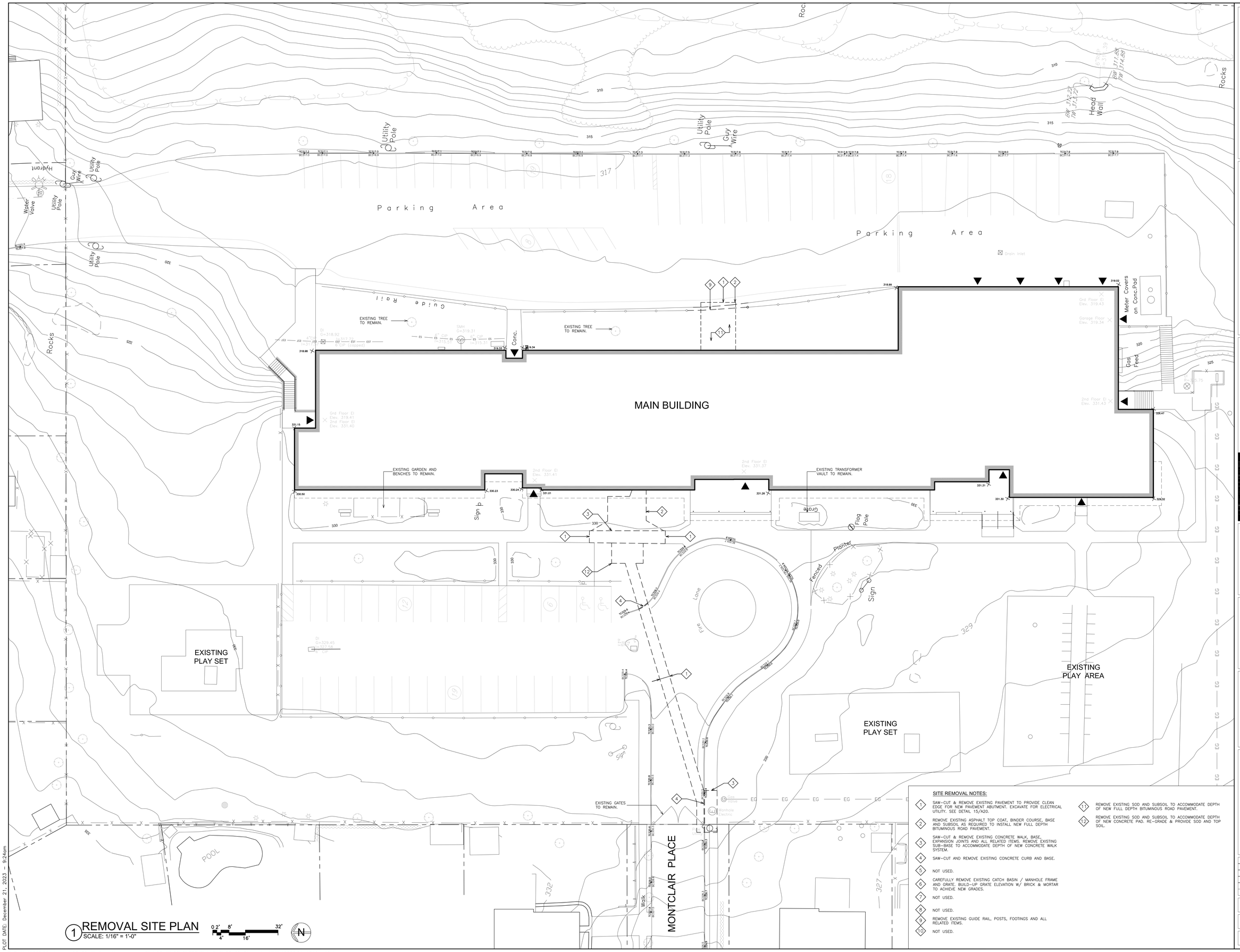
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02-23-2021	SED
DATE	ISSUED TO

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SCALE AS NOTED	
DRAWN BY WP	FILE NO. 258.19.15

PLOT DATE: December 06, 2020 - 8:26am

FILE: C:\Users\AV\Warren and Panzer Engineers, P.C\CAD - Documents\258 Fuller DAngelo\19 - Yonkers Public Schools\15 - PS 32\258.19.15 WP ACM Drawing 30X42.dwg


Davenport Road
Dexter Road
Montclair Road
Montclair Place
2 Story Brick Building Elementary School (Family School 32)
2 Story Brick Building Elementary School (Family School 32)
Parking Area
Guide Rail
Chain Link Fence
Concrete Walk
Basketball Field
Playground
Bleachers
Flag Pole
Utility Pole
Storm Drain Inlet
Sanitary Manhole
Water Manhole
Gas Line Marker
Fire Hydrant
Transformer
Rocks
Ledge Rock
Concrete Wall
Retaining Wall
Lot 1 C.C. Map No. 11318
Lot 3 C.C. Map No. 11318
Lot 37
Lot 35
Lot 33
Lot 31
Lot 29
Lot 27
Lot 25
Lot 23
Lot 21
Lot 19
Lot 17
Lot 15
Lot 13
Lot 11
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Lot 53
Lot 55
Lot 57
Lot 59
Lot 61
Lot 63
Lot 65
Lot 67
Lot 69
Lot 71
Lot 73
Lot 75
Lot 77
Lot 79
Lot



1 REMOVAL SITE PLAN
SCALE: 1/16" = 1'-0"

0 2' 4' 8' 16' 32'

N

SITE REMOVAL NOTES:

1. SAW-CUT & REMOVE EXISTING PAVEMENT TO PROVIDE CLEAN EDGE FOR NEW PAVEMENT ABUTMENT. EXCAVATE FOR ELECTRICAL UTILITY. SEE DETAIL 15/A20.
2. REMOVE EXISTING ASPHALT TOP COAT, BINDER COURSE, BASE AND SUBSOIL AS REQUIRED TO INSTALL NEW FULL DEPTH BITUMINOUS ROAD PAVEMENT.
3. SAW-CUT & REMOVE EXISTING CONCRETE WALK, BASE, EXPANSION JOINTS AND ALL RELATED ITEMS. REMOVE EXISTING SUB-BASE TO ACCOMMODATE DEPTH OF NEW CONCRETE WALK SYSTEM.
4. SAW-CUT AND REMOVE EXISTING CONCRETE CURB AND BASE.
5. NOT USED.
6. CAREFULLY REMOVE EXISTING CATCH BASIN / MANHOLE FRAME AND GRATE. BUILD-UP GRATE ELEVATION W/ BRICK & MORTAR TO ACHIEVE NEW GRADES.
7. NOT USED.
8. NOT USED.
9. REMOVE EXISTING GUIDE RAIL, POSTS, FOOTINGS AND ALL RELATED ITEMS.
10. NOT USED.
11. REMOVE EXISTING SOD AND SUBSOIL TO ACCOMMODATE DEPTH OF NEW FULL DEPTH BITUMINOUS ROAD PAVEMENT.
12. REMOVE EXISTING SOD AND SUBSOIL TO ACCOMMODATE DEPTH OF NEW CONCRETE PAD. RE-GRADE & PROVIDE SOD AND TOP SOIL.

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S.E.D. CONTROL NUMBER:

66-23-00-01-0-032-010

YPS JOB # 10876

PROJECT TITLE
YONKERS CITY SCHOOL DISTRICT
PHASE 1 OF 3 FOR WINDOWS, MASONRY, INTERIOR IMPROVEMENTS & SITE WORK
AT PUBLIC SCHOOL #32
1 MONTCLAIR PLACE, YONKERS, NY 10710

DRAWING TITLE
SITE PLAN

12-22-2023	BID
11-06-2020	100% C.D. SUBMISSION
06-01-2020	100% D.D. SUBMISSION
05-01-2020	50% D.D. SUBMISSION
DATE	ISSUED TO

SHEET SIZE 30"x42"
DRAWING NO. AR10
SCALE AS NOTED
DRAWN BY F & D
FILE NO. 19360.01

PLOT DATE: December 21, 2023 - 9:24am

FILE: I:\19360.00 Yonkers PS 32 Windows Masonry and Site\DRAWINGS\CURRENT\1-F&D\PS 32 Phase 1 HVAC\19360.01-AR10-A10.dwg

SITE WORKSCOPE NOTES:

1. PROVIDE POURABLE SEALANT AT LINE OF CLEAN EDGE TRANSITION BETWEEN EXISTING AND NEW PAVEMENT. SEE DETAIL 3/A20.
2. PROVIDE NEW FULL DEPTH BITUMINOUS ROAD PAVEMENT. SEE DETAIL 1/A20.
3. PROVIDE NEW CONCRETE WALKWAY SYSTEM & BASE. SEE DETAILS 13/A20.
4. PROVIDE NEW CONCRETE CURB. SEE DETAIL 12/A20. HEIGHT TO MATCH EXISTING ADJACENT CURBS.
5. PROVIDE NEW RADIUSED CONCRETE CURB. SEE DETAIL 12/A20. HEIGHT TO MATCH EXISTING ADJACENT CURBS.
6. PROVIDE NEW ASPHALT WALKWAY AND BASE. SEE DETAIL 2/A20.
7. PROVIDE ½" COMPRESSIBLE FILLER AND POURABLE SEALANT BETWEEN PAVEMENT AND BUILDING ELEMENTS. SEE DETAIL 14/A20.
8. RESTORE EXISTING GRASS AREA AFTER INSTALLATION OF NEW SIDEWALK, CURB & STORM PIPING. SEE DETAILS 4/A20.
9. NOT USED.
10. NOT USED.
11. NOT USED.
12. NOT USED.
13. NOT USED.
14. NOT USED.
15. NOT USED.
16. NOT USED.
17. NOT USED.
18. NOT USED.
19. NEW BOLLARDS TO BE INSTALLED. SEE DETAIL 5/A20.
20. NOT USED.
21. NEW EMERGENCY GENERATOR PAD. COORDINATED SIZE W/ E-DWGS. SEE DETAIL 11/A20.

SITE LEGEND:

- PROPERTY LINE
- FL XX.XX' — PROPOSED SPOT ELEVATION
- —X—X—X—X—X—X— EXISTING CHAIN LINK FENCE TO BE REMOVED.
- — X — X — EXISTING CHAIN LINK FENCE
- NEW SEALANT & COMPRESSIBLE FILLER
- ST — NEW STORM LINE. SEE DETAIL.
- C.B.–X — EXISTING CATCH BASIN TO REMAIN.
- C.B.–1 — NEW CATCH BASIN
- MH–X — EXISTING MANHOLE
- MH–1 — NEW MANHOLE
- # — SITE WORKSCOPE NOTE.
- ASPHALT PITCH DIRECTION
- AREA TO RECEIVE NEW CONCRETE WALKWAY. SEE DETAIL 13/A20.
- AREA TO RECEIVE NEW FULL DEPTH BITUMINOUS ROAD PAVING. SEE DETAIL 1&3/A20.
- AREA TO RECEIVE NEW BITUMINOUS WALK. SEE DETAILS 2/A20.
- TOP SOIL & SEED. SEE DETAILS 4/A20. SEE SPECIFICATIONS
- NEW CONCRETE CURB. SEE DETAIL 12/A20.
- TRENCH DRAIN.
- BUILDING AREA LIGHT. SEE E-DWGS.
- BUILDING ENTRANCES

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S.E.D. CONTROL NUMBER:
66-23-00-01-0-032-010

YPS JOB # 10876

PROJECT TITLE
YONKERS SCHOOL DISTRICT
PHASE 1 OF 3 FOR WINDOWS, MASONRY, INTERIOR IMPROVEMENTS & SITE WORK AT PS 32
1 MONTCLAIR PLACE, YONKERS, NY 10710

DRAWING TITLE
SITE PLAN

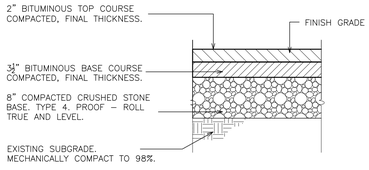
DATE	ISSUED TO
12-22-2023	BID
11-06-2020	100% C.D. SUBMISSION
06-01-2020	100% D.D. SUBMISSION
05-01-2020	50% D.D. SUBMISSION

SHEET SIZE 30"x42" | DRAWING NO. A10
SCALE AS NOTED | FILE NO. 19360.01
DRAWN BY F & D

1 SITE PLAN
SCALE: 1/16" = 1'-0"
0 2' 4' 8' 16' 32'

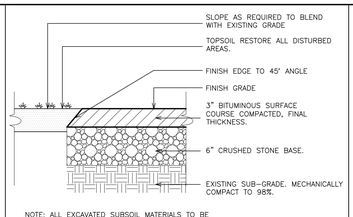
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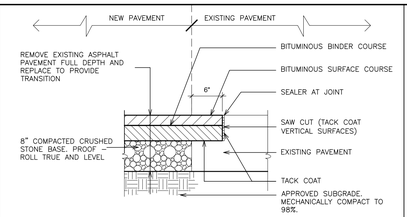
1 FULL DEPTH BITUMINOUS ROAD PAVEMENT
SCALE: N.T.S.

NOTE: ALL EXCAVATED SUBSOIL MATERIALS TO BE LEGALLY DISPOSED OFF SITE BY CONTRACTOR.



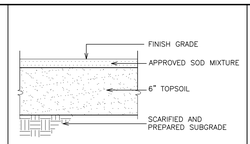
NOTE: ALL EXCAVATED SUBSOIL MATERIALS TO BE LEGALLY DISPOSED OFF SITE BY CONTRACTOR.

2 NEW ASPHALT WALK
SCALE: N.T.S.



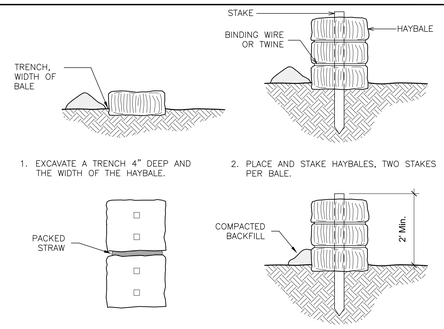
3 BITUMINOUS PAVING @ EXISTING ASPHALT (TERMINATION)
SCALE: N.T.S.

NOTE: ALL EXCAVATED SUBSOIL MATERIALS TO BE LEGALLY DISPOSED OFF SITE BY CONTRACTOR.

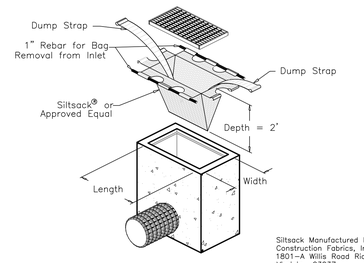


NOTE:
THIS WORK APPLIES TO ALL GRASS AREAS DISTURBED BY NEW WORK.

4 TOP SOIL & SOD SECTION
SCALE: N.T.S.

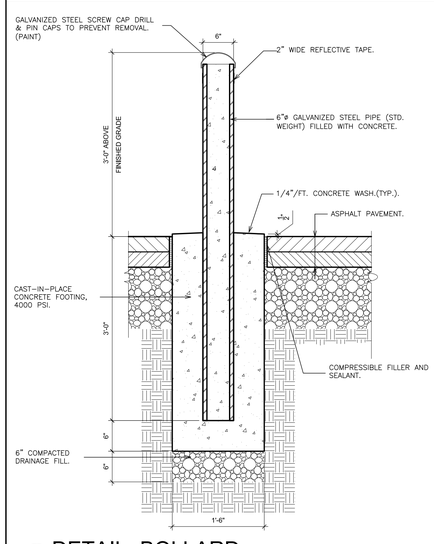


7 PLACEMENT & CONSTRUCTION OF HAYBALE BARRIER
SCALE: N.T.S.

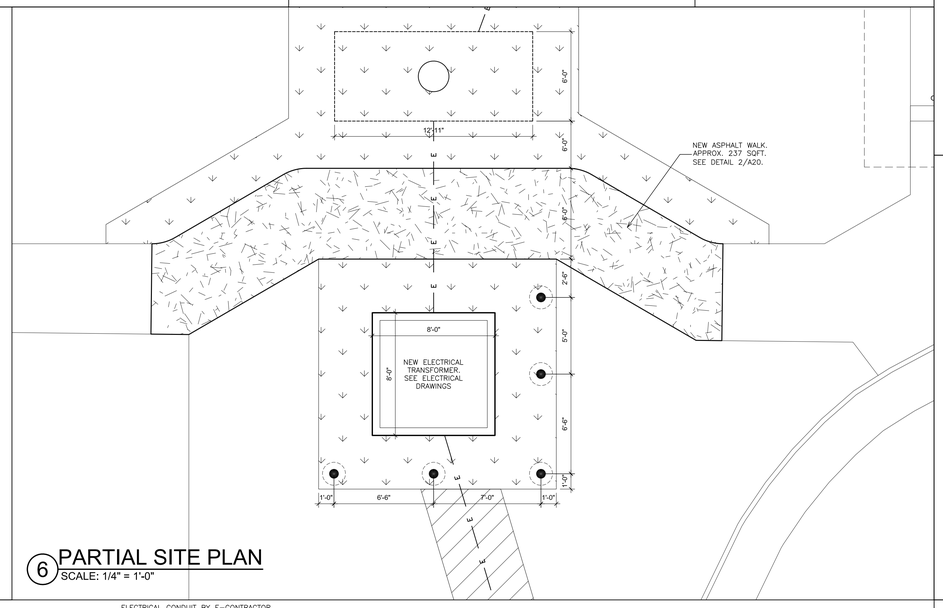


Siltsack Manufactured by: Atlantic Construction Fabrics, Inc. 1801-A Willis Road Richmond, Virginia 23237

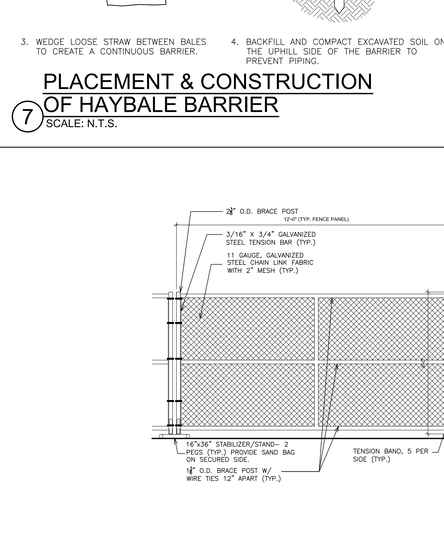
8 DETAIL- SILTSTACK
SCALE: N.T.S.



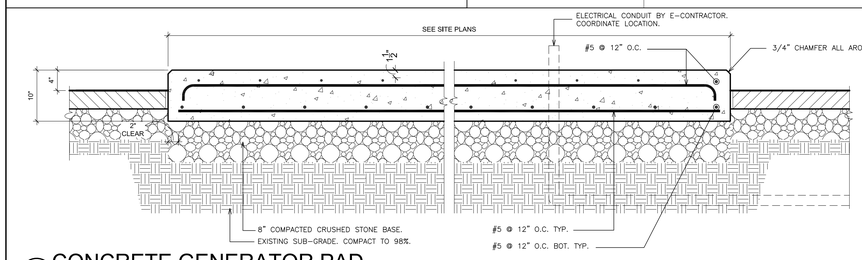
5 DETAIL- BOLLARD
SCALE: 1" = 1'-0"



6 PARTIAL SITE PLAN
SCALE: 1/4" = 1'-0"



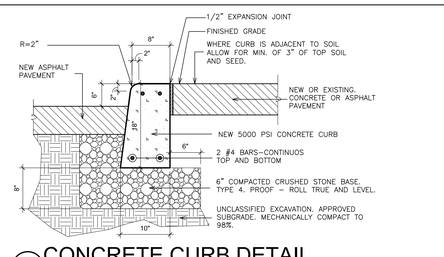
9 TEMPORARY CONSTRUCTION FENCE
SCALE: 3/8" = 1'-0"



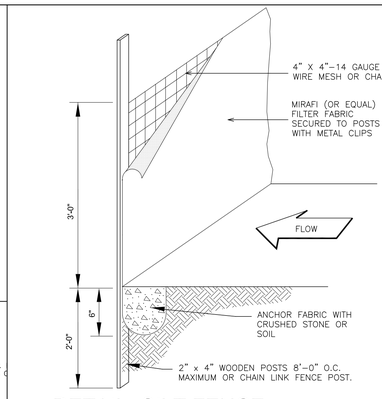
11 CONCRETE GENERATOR PAD
SCALE: 1" = 1'-0"

NOTES:

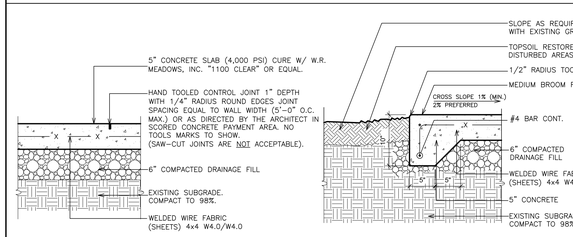
1. ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS OR AT THE EARLIER AGE AT WHICH THE CONCRETE MAY BE EXPECTED TO RECEIVE ITS FULL LOAD.
2. ALL REINFORCED CONCRETE WORK SHALL BE DONE IN ACCORDANCE WITH THE "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE", ACI 318–86, 1986 CODE AND ACI 315 "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES".
3. REINFORCING STEEL SHALL BE ASTM A615 DEFORMED BILLET STEEL BARS FOR CONCRETE REINFORCEMENT, GRADE 60.
4. CONCRETE COVER FOR REINFORCING SHALL BE 2", EXCEPT IN BOTTOM SLABS WHERE IT SHALL BE 3", OR AS OTHERWISE NOTED.
5. ALL REINFORCING TO BE EPOXY COATED.



12 CONCRETE CURB DETAIL
SCALE: N.T.S. (STRAIGHT & RADIUSED)

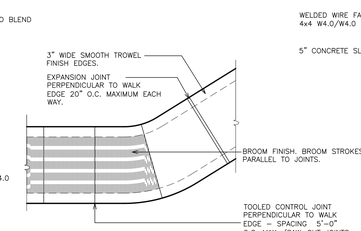


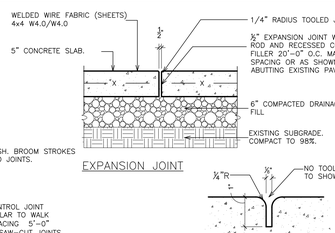
10 DETAIL- SILT FENCE
SCALE: N.T.S.



NOTE: ALL EXCAVATED SUBSOIL MATERIALS TO BE LEGALLY DISPOSED OFF SITE BY CONTRACTOR.

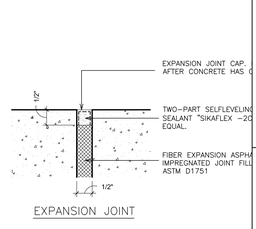
13 CONCRETE SIDEWALK DETAILS
SCALE: N.T.S.



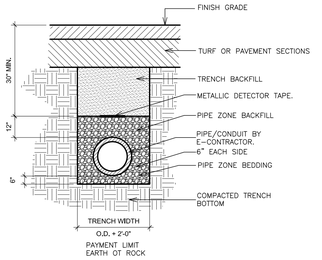


NOTES: (CONCRETE SIDEWALKS)

1. FILL (SOIL MATERIALS) SHALL BE USED AS BACKFILL TO RAISE GRADES. ASTM D 2487. PLACE AND COMPACT ALL FILL IN 6" LAYERS.
2. SELECT FILL SHALL BE USED TO RAISE GRADES SUPPORTING WALKS. ASTM – D 2487
3. PROVIDE NECESSARY EROSION CONTROL.
4. WELDED WIRE FABRIC SHALL BE FABRICATED FROM PLAIN STEEL. ASTM A 185.
5. PROVIDE DRAINAGE FILL UNDER ALL CONCRETE WALKS. ASTM 448. COMPACT TO 98%.
6. ALL CONCRETE NORMAL WEIGHT AIR–ENTRAINED, 4,000 PSI.
7. SUBMIT CONCRETE DESIGN MIX TO ARCHITECT FOR APPROVAL PRIOR TO PLACEMENT OF CONCRETE. SUBMIT TEST REPORTS OF SAMPLED MATERIAL AFTER PLACEMENT.
8. GRASS SEED SHALL BE PERENNIAL AND MATCH EXISTING LAWN AREAS.
9. FORMS SHALL BE STEEL OR DIMENSIONAL LUMBER
10. ALL REINFORCING TO BE EPOXY COATED.
11. ALL CONTROL & EXPANSION JOINTS MUST BE TOOLED. **SAW–CUT JOINTS ARE NOT ACCEPTABLE.**



14 CONCRETE EXPANSION
SCALE: N.T.S.



NOTES:
1. ALL INSTALLATION AND FILL MATERIALS TO BE AS PER THE MANUFACTURER'S RECOMMENDATIONS.
2. EXCAVATION IN EXISTING PAVED ROADWAYS SHALL BE COORDINATED WITH THE MUNICIPAL ENGINEER.
3. ALL EXCAVATION AND TRENCHING TO MEET OSHA REQUIREMENTS.

15 TRENCH & BEDDING
SCALE: N.T.S.

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FULLER D'ANGELO P.C. ARCHITECTS PLANNERS
48 KNOLLWOOD ROAD ELMSFORD NEW YORK 10523
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WWW.FULLERANDDANGELO.COM

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S.E.D. CONTROL NUMBER:
66-23-00-01-0-032-010

YPS JOB # 10876

PROJECT TITLE
YONKERS SCHOOL DISTRICT
PHASE 1 OF 3 FOR WINDOWS, MASONRY, INTERIOR IMPROVEMENTS & SITE WORK
AT PS 32 ROOSEVELT
1 MONTCLAIR PLACE, YONKERS, NY 10710

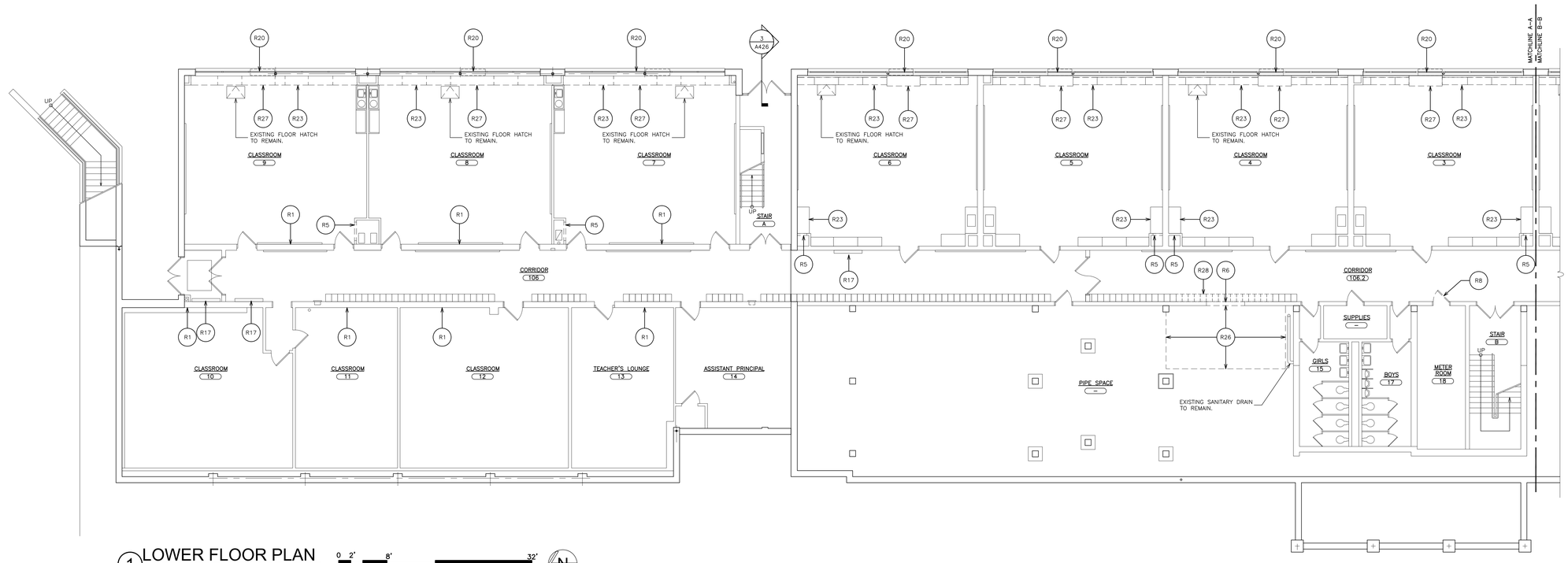
DRAWING TITLE
SITE DETAILS

12-22-2023	BID
11-06-2020	100% C.D. SUBMISSION
06-01-2020	100% D.D. SUBMISSION
05-01-2020	50% D.D. SUBMISSION
DATE	ISSUED TO

SHEET SIZE 30"x42"
DRAWING NO. A20
SCALE AS NOTED
DRAWN BY F & D
FILE NO. 19360.01

PLOT DATE: December 21, 2023 – 9:20am

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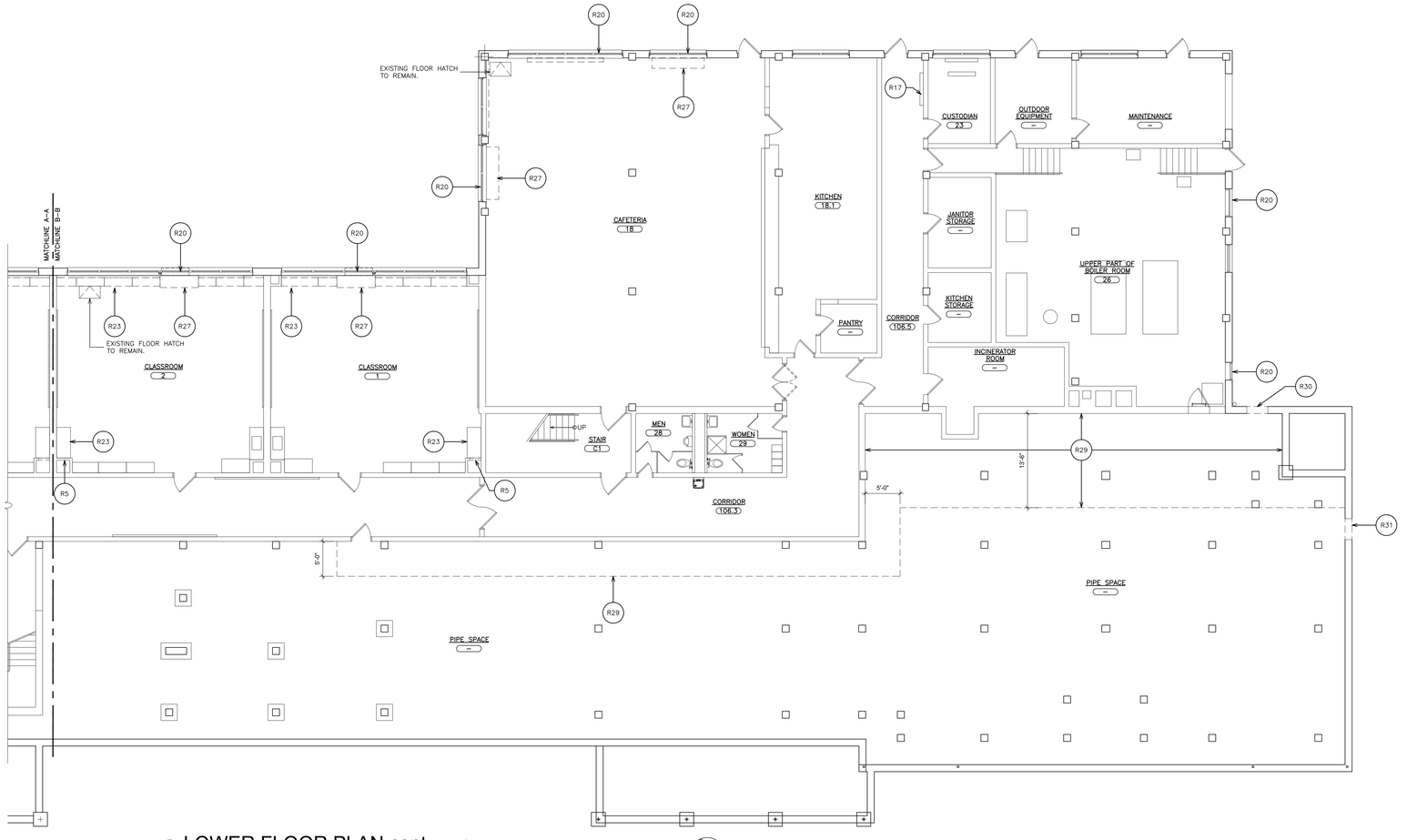
1 LOWER FLOOR PLAN
SCALE: 1/8" = 1'-0"

0 2' 4' 8' 16' 32'

N

REMOVAL NOTES:
(COORDINATE REMOVALS W/ HAZARDOUS MATERIAL DRAWINGS)

- R1 SAW-CUT AND REMOVE PORTION OF EXISTING LOAD-BEARING CMU PARTITION. INSTALL STEEL LINTELS AS PER DETAIL 9/A113. COORDINATE SIZES AND LOCATIONS WITH MECHANICAL CONTRACTOR.
- R2 EXISTING PLUMBING FIXTURES AND CARRIERS TO BE REMOVED BY PLUMBING CONTRACTOR. SEE PLUMBING DRAWINGS.
- R3 EXISTING LOUVER IN METAL PANEL TO REMAIN.
- R4 REMOVE EXISTING DOORS, METAL FRAMES, TRANSOMS, HARDWARE, SADDLES, SIDE-LITES AND ALL RELATED ITEMS. PATCH ALL DISTURBED SURFACES TO MATCH EXISTING ADJACENT SURFACES.
- R5 SAW-CUT AND REMOVE CMU PARTITION(S) FROM SLAB TO STRUCTURE ABOVE. PATCH DISTURBED SURFACES TO MATCH EXISTING ADJACENT SURFACES. GRIND DOWN ANY HIGH SPOTS UNDER EXISTING WALL. FLASH PATCH SMOOTH TO ADJACENT SURFACES.
- R6 SAW-CUT AND REMOVE PORTION OF CMU PARTITION FOR INSTALLATION OF NEW DOOR FRAME. WORK IN MANNER WHICH PROVIDE CONTINUOUS SUPPORT OF MASONRY ABOVE.
- R7 REMOVE EXISTING WALL MOUNTED LADDER, HANGING PLATFORM, AND ALL RELATED ITEMS. PATCH TO MATCH EXISTING ADJACENT SURFACES.
- R8 REMOVE EXISTING DOOR, HARDWARE, THRESHOLD AND ALL RELATED ITEMS FOR INSTALLATION OF NEW DOOR AND HARDWARE. FRAMES TO REMAIN.
- R9 NOT USED
- R10 SAW-CUT AND REMOVE PORTION OF EXISTING REINFORCED CONCRETE SLAB, VAPOR BARRIER AND SUB-BASE FOR INSTALLATION OF PLUMBING PIPE.
- R11 REMOVE EXISTING METAL LOCKERS, BASES ALL ASSOCIATED ITEMS. PATCH DISTURBED SURFACES TO MATCH EXISTING ADJACENT SURFACE.
- R12 NOT USED
- R13 REMOVE EXISTING SUSPENDED CEILING ASSEMBLY (2x4 OR 2x2), SUSPENSION SYSTEM, PANELS, WALL ANGLES, SEISMIC TIES AND ALL RELATED ITEMS. COORDINATE WORK WITH E-CONTRACTOR. PATCH ALL DISTURBED SURFACES TO MATCH EXISTING ADJACENT SURFACES. TEMPORARILY SUPPORT ALL LIGHT FIXTURES, PA SPEAKERS, FA DEVICES, WAP'S, ETC.
- R14 EXISTING LIGHT FIXTURE TO BE REMOVED. SEE ELECTRICAL DRAWINGS.
- R15 EXISTING CEILING MOUNTED DEVICES TO BE REMOVED. SEE ELECTRICAL DRAWINGS.
- R16 EXISTING DIFFUSER TO BE REMOVED. SEE MECHANICAL DRAWINGS.
- R17 REMOVE EXISTING RECESSED C.U.H. SAW-CUT AND REMOVE PORTION OF EXISTING CMU PARTITION FOR INSTALLATION OF NEW RECESSED C.U.H. AND STEEL LINTEL. SEE M-DWGS. WORK IN A MANNER WHICH PROVIDES CONTINUOUS SUPPORT OF MASONRY ABOVE. SEE DETAIL 9/A500.
- R18 NOT USED
- R19 NOT USED
- R20 CAREFULLY DISCONNECT AND REMOVE EXISTING LOUVER, BLANK-OFF PANELS, BRACKETS, AND ALL ASSOCIATED ITEMS FROM EXISTING UNIT VENTILATORS.
- R21 NOT USED
- R22 NOT USED
- R23 REMOVE EXISTING CASEWORK, COUNTERTOPS, BASE AND ALL RELATED ITEMS. PATCH ALL DISTURBED SURFACES TO MATCH EXISTING ADJACENT SURFACES.
- R24 REMOVE EXISTING VCT FLOOR TILE, (MULTIPLE LAYER MAY EXIST) WALL BASE, TRANSITION STRIPS, MASTIC AND SUBSTRATE DOWN TO EXISTING SLAB. MECHANICALLY PROFILE 100% OF EXISTING FLOOR SLAB FOR NEW FLOOR FINISHES.
- R25 NOT USED
- R26 EXCAVATE EXISTING AND REMOVE SOIL AND ROCK DOWN FOR INSTALLATION OF NEW REINFORCED CONCRETE FLOOR SLAB. PROVIDE UNDER PINING AS REQUIRED.
- R27 EXISTING UNIT VENTILATOR TO BE REMOVED. SEE MECHANICAL DRAWINGS.
- R28 REMOVE PORTION OF EXISTING METAL LOCKERS AND TURN OVER TO OWNER AND REMOVE CONCRETE BASE. PROVIDE NEW CLOSURE PLATE FOR END METAL LOCKERS. PATCH AND PAINT DISTURBED SURFACES TO MATCH EXISTING. PROVIDE NEW VCT FLOOR & BASE TO MATCH EXISTING.
- R29 EXCAVATE AND REMOVE EXISTING SOIL AND LOOSE ROCK. LEVEL AREA EXISTING SOIL FILL IN ANY DEPRESSION. PROVIDE A MINIMUM OF 4" GRAVEL OVER ENTIRE AREA.
- R30 SAW-CUT AND REMOVE PORTION OF REINFORCED CONCRETE WALL FOR INSTALLATION OF NEW MECHANICAL LOUVER.
- R31 SAW-CUT AND REMOVE PORTION OF CMU PARTITION FOR INSTALLATION OF NEW MECHANICAL LOUVER. WORK IN MANNER WHICH PROVIDE CONTINUOUS SUPPORT OF MASONRY ABOVE.
- R32 SAW-CUT AND REMOVE PORTION OF EXISTING REINFORCED CONCRETE FLOOR SLAB FOR INSTALLATION OF MECHANICAL DUCTS. COORDINATE SIZE WITH MECHANICAL DRAWINGS.
- R33 REMOVE EXISTING CONCRETE FILLED METAL PAN STAIR, HANDRAILS AND ALL RELATED ITEMS.



1 LOWER FLOOR PLAN cont.
SCALE: 1/8" = 1'-0"

0 2' 4' 8' 16' 32'

N

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S.E.D. CONTROL NUMBER:
66-23-00-01-0-032-010

YPS JOB # 10876

PROJECT TITLE
YONKERS CITY SCHOOL DISTRICT
PHASE 1 OF 3 FOR WINDOWS, MASONRY, INTERIOR IMPROVEMENTS & SITE WORK
PS 32 ANNEX BUILDING
1 MONTCLAIR PLACE, YONKERS, NY 10710

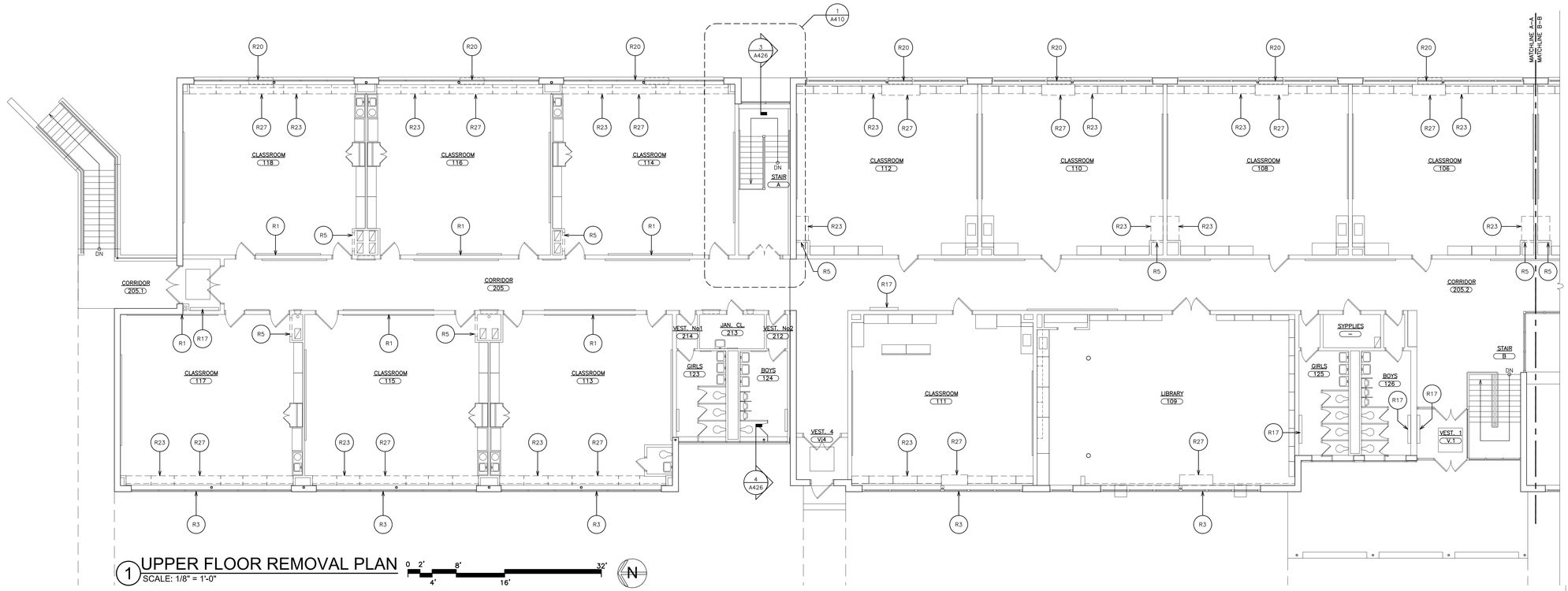
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LOWER FLOOR REMOVAL PLAN

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12-22-2023	BID
11-06-2020	100% C.D. SUBMISSION
06-01-2020	100% D.D. SUBMISSION
05-01-2020	50% D.D. SUBMISSION

SHEET SIZE 30"x42"
DRAWING NO. AR100
SCALE AS NOTED
DRAWN BY F & D
FILE NO. 19360.01

PLOT DATE: December 21, 2023 - 11:26am

FILE: I:\19360.00 Yonkers PS 32 Windows Masonry and Site\DRAWINGS\CURRENT\1-F&D\PS 32 Phase 1 HVAC\19360.01-AR100.dwg



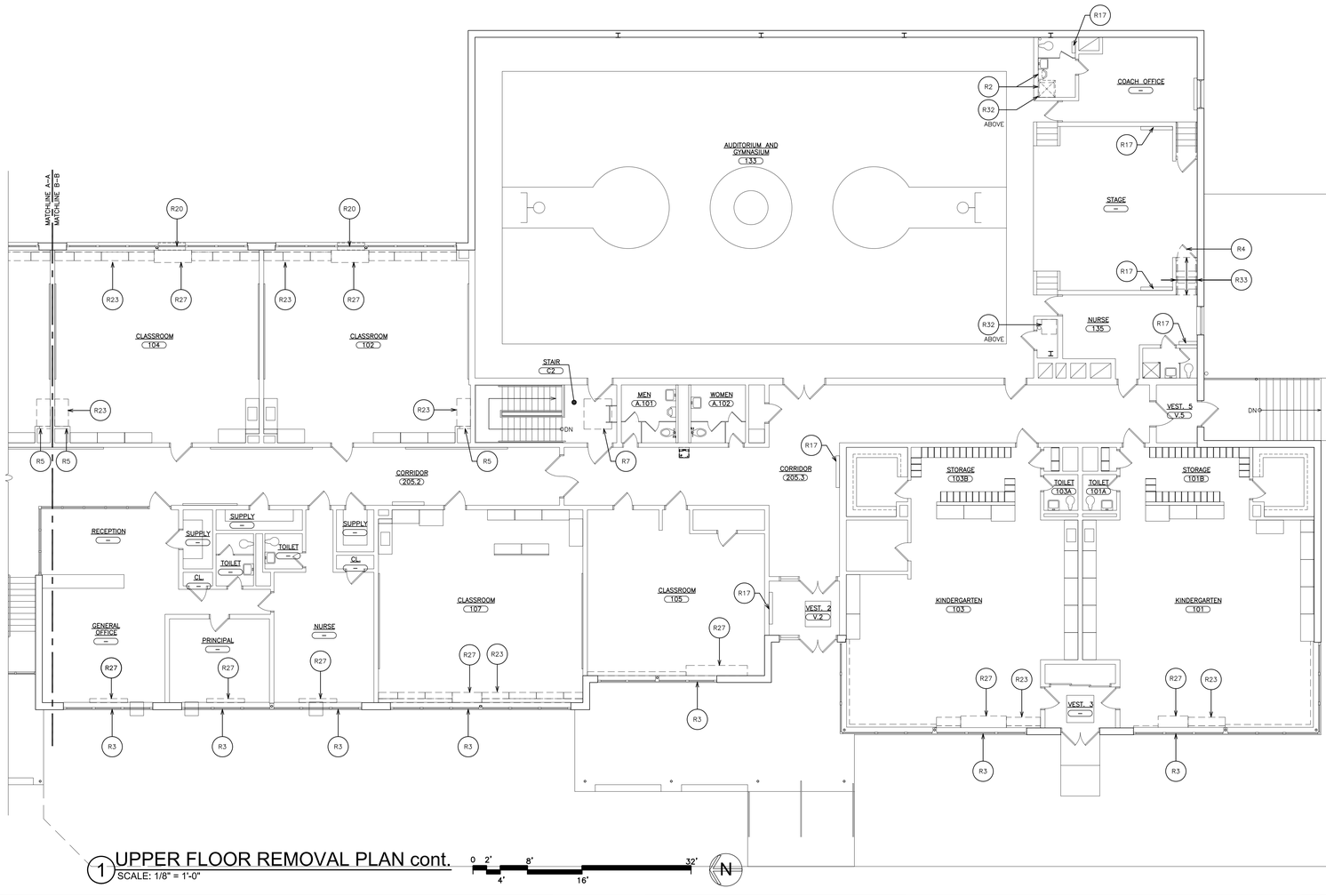
1 UPPER FLOOR REMOVAL PLAN
SCALE: 1/8" = 1'-0"

0 2' 4' 8' 16' 32'

N

REMOVAL NOTES:
(COORDINATE REMOVALS W/ HAZARDOUS MATERIAL DRAWINGS)

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1 UPPER FLOOR REMOVAL PLAN cont.
SCALE: 1/8" = 1'-0"

0 2' 4' 8' 16' 32'

N

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S.E.D. CONTROL NUMBER:
66-23-00-01-0-032-010

YPS JOB # 10876

PROJECT TITLE
YONKERS CITY SCHOOL DISTRICT
PHASE 1 OF 3 FOR WINDOWS, MASONRY, INTERIOR IMPROVEMENTS & SITE WORK
AT PS 32 ROOSEVELT ACADEMY
1 MONTCLAIR PLACE, YONKERS, NY 10710

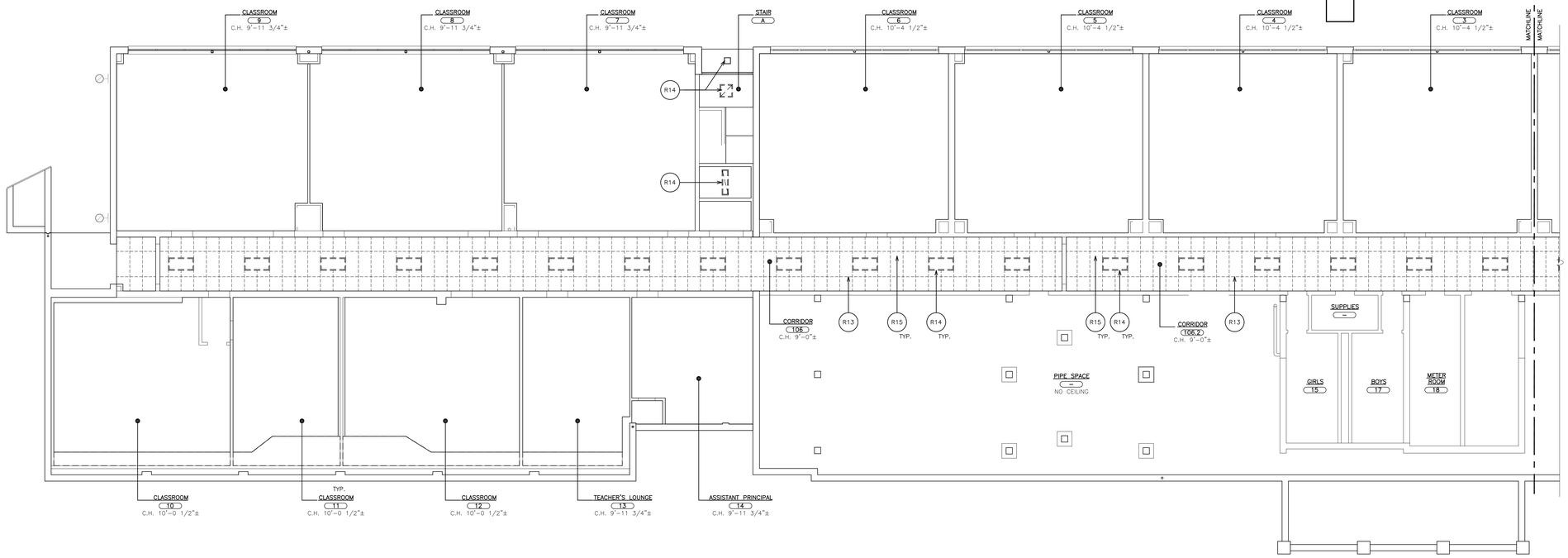
DRAWING TITLE
UPPER FLOOR REMOVAL PLAN

DATE	ISSUED TO
12-22-2023	BID
11-06-2020	100% C.D. SUBMISSION
06-01-2020	100% D.D. SUBMISSION
05-01-2020	50% D.D. SUBMISSION

SHEET SIZE 30"x42"
DRAWING NO. AR101
SCALE AS NOTED
DRAWN BY F & D
FILE NO. 19360.01

PLOT DATE: December 21, 2023 - 11:25am

FILE: I:\19360.00 Yonkers PS 32 Windows Masonry and Site\DRAWINGS\CURRENT\1-F&D\PS 32 Phase 1 HVAC\19360.01-AR101.dwg



1 LOWER FLOOR REMOVAL REFLECTED CEILING PLAN
SCALE: 1/8" = 1'-0"

0 2' 4' 8' 16' 32'

N

REMOVAL NOTES:
(COORDINATE REMOVALS W/ HAZARDOUS MATERIAL DRAWINGS)

R1 SAW-CUT AND REMOVE PORTION OF EXISTING LOAD-BEARING CMU PARTITION. INSTALL STEEL LINTELS AS PER DETAIL 9/A113. COORDINATE SIZES AND LOCATIONS WITH MECHANICAL CONTRACTOR.

R2 EXISTING PLUMBING FIXTURES AND CARRIERS TO BE REMOVED BY PLUMBING CONTRACTOR. SEE PLUMBING DRAWINGS.

R3 EXISTING LOUVER IN METAL PANEL TO REMAIN.

R4 REMOVE EXISTING DOORS, METAL FRAMES, TRANSOMS, HARDWARE, SADDLES, SIDE-LITES AND ALL RELATED ITEMS. PATCH ALL DISTURBED SURFACES TO MATCH EXISTING ADJACENT SURFACES.

R5 SAW-CUT AND REMOVE CMU PARTITION(S) FROM SLAB TO STRUCTURE ABOVE. PATCH DISTURBED SURFACES TO MATCH EXISTING ADJACENT SURFACES. GRIND DOWN ANY HIGH SPOTS UNDER EXISTING WALL. FLASH PATCH SMOOTH TO ADJACENT SURFACES.

R6 SAW-CUT AND REMOVE PORTION OF CMU PARTITION FOR INSTALLATION OF NEW DOOR FRAME. WORK IN MANNER WHICH PROVIDE CONTINUOUS SUPPORT OF MASONRY ABOVE.

R7 REMOVE EXISTING WALL MOUNTED LADDER, HANGING PLATFORM, AND ALL RELATED ITEMS. PATCH TO MATCH EXISTING ADJACENT SURFACES.

R8 REMOVE EXISTING DOOR, HARDWARE, THRESHOLD AND ALL RELATED ITEMS FOR INSTALLATION OF NEW DOOR AND HARDWARE. FRAMES TO REMAIN.

R9 NOT USED

R10 SAW-CUT AND REMOVE PORTION OF EXISTING REINFORCED CONCRETE SLAB, VAPOR BARRIER AND SUB-BASE FOR INSTALLATION OF PLUMBING PIPE.

R11 REMOVE EXISTING METAL LOCKERS, BASES ALL ASSOCIATED ITEMS. PATCH DISTURBED SURFACES TO MATCH EXISTING ADJACENT SURFACE.

R12 NOT USED

R13 REMOVE EXISTING SUSPENDED CEILING ASSEMBLY (2x4 OR 2x2), SUSPENSION SYSTEM, PANELS, WALL ANGLES, SEISMIC TIES AND ALL RELATED ITEMS. COORDINATE WORK WITH E-CONTRACTOR. PATCH ALL DISTURBED SURFACES TO MATCH EXISTING ADJACENT SURFACES. TEMPORARILY SUPPORT ALL LIGHT FIXTURES, PA SPEAKERS, FA DEVICES, WAP'S, ETC.

R14 EXISTING LIGHT FIXTURE TO BE REMOVED. SEE ELECTRICAL DRAWINGS.

R15 EXISTING CEILING MOUNTED DEVICES TO BE REMOVED. SEE ELECTRICAL DRAWINGS.

R16 EXISTING DIFFUSER TO BE REMOVED. SEE MECHANICAL DRAWINGS.

R17 REMOVE EXISTING RECESSED C.U.H. SAW-CUT AND REMOVE PORTION OF EXISTING CMU PARTITION FOR INSTALLATION OF NEW RECESSED C.U.H. AND STEEL LINTEL. SEE M-DWGS. WORK IN A MANNER WHICH PROVIDES CONTINUOUS SUPPORT OF MASONRY ABOVE. SEE DETAIL 9/A500.

R18 NOT USED

R19 NOT USED

R20 CAREFULLY DISCONNECT AND REMOVE EXISTING LOUVER, BLANK-OFF PANELS, BRACKETS, AND ALL ASSOCIATED ITEMS FROM EXISTING UNIT VENTILATORS.

R21 NOT USED

R22 NOT USED

R23 REMOVE EXISTING CASEWORK, COUNTERTOPS, BASE AND ALL RELATED ITEMS. PATCH ALL DISTURBED SURFACES TO MATCH EXISTING ADJACENT SURFACES.

R24 REMOVE EXISTING VCT FLOOR TILE, (MULTIPLE LAYER MAY EXIST) WALL BASE, TRANSITION STRIPS, MASTIC AND SUBSTRATE DOWN TO EXISTING SLAB. MECHANICALLY PROFILE 100% OF EXISTING FLOOR SLAB FOR NEW FLOOR FINISHES.

R25 NOT USED

R26 EXCAVATE EXISTING AND REMOVE SOIL AND ROCK DOWN FOR INSTALLATION OF NEW REINFORCED CONCRETE FLOOR SLAB. PROVIDE UNDER PINING AS REQUIRED.

R27 EXISTING UNIT VENTILATOR TO BE REMOVED. SEE MECHANICAL DRAWINGS.

R28 REMOVE PORTION OF EXISTING METAL LOCKERS AND TURN OVER TO OWNER AND REMOVE CONCRETE BASE. PROVIDE NEW CLOSURE PLATE FOR END METAL LOCKERS, PATCH AND PAINT DISTURBED SURFACES TO MATCH EXISTING. PROVIDE NEW VCT FLOOR & BASE TO MATCH EXISTING.

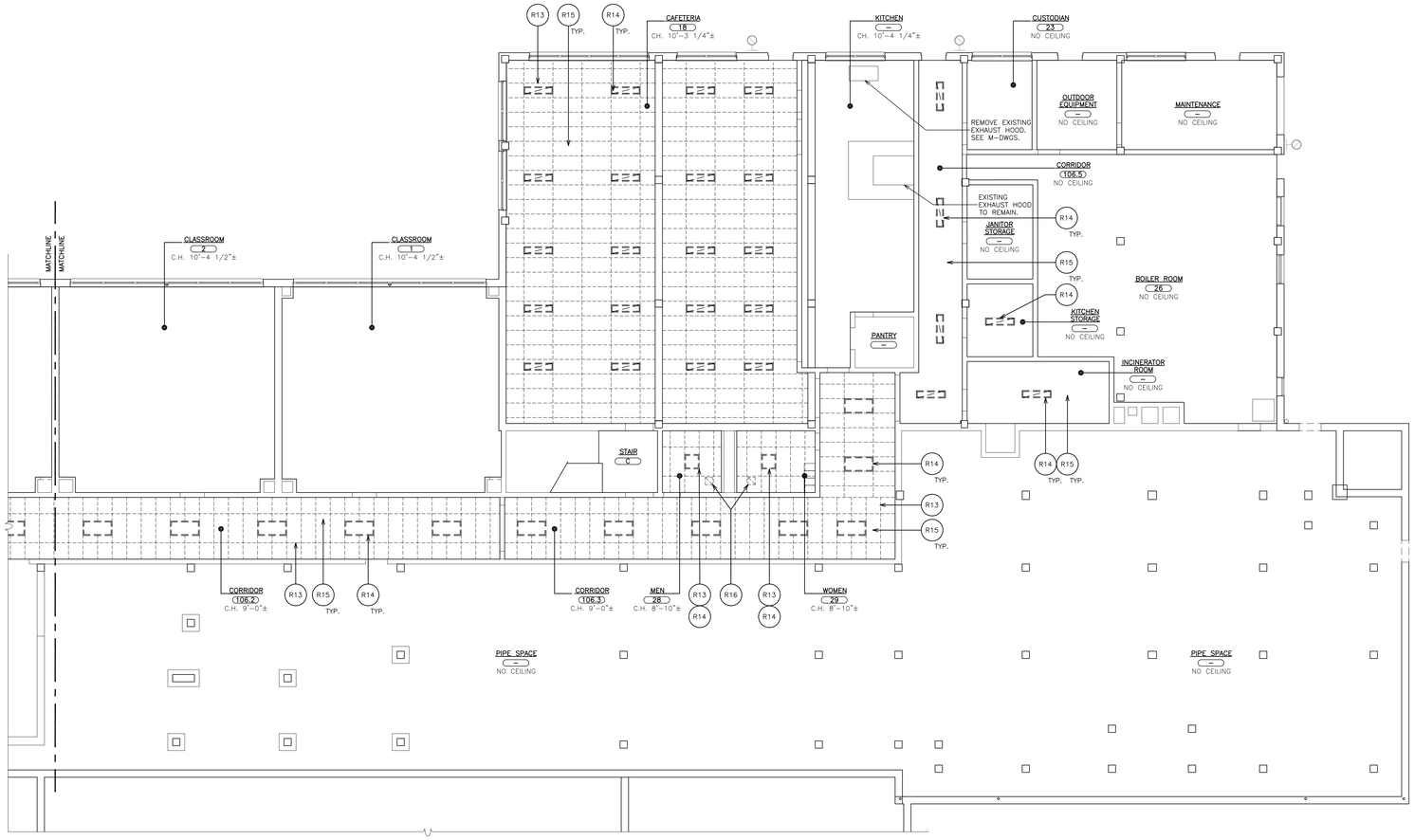
R29 EXCAVATE AND REMOVE EXISTING SOIL AND LOOSE ROCK. LEVEL AREA EXISTING SOIL FILL IN ANY DEPRESSION. PROVIDE A MINIMUM OF 4" GRAVEL OVER ENTIRE AREA.

R30 SAW-CUT AND REMOVE PORTION OF REINFORCED CONCRETE WALL FOR INSTALLATION OF NEW MECHANICAL LOUVER.

R31 SAW-CUT AND REMOVE PORTION OF CMU PARTITION FOR INSTALLATION OF NEW MECHANICAL LOUVER. WORK IN MANNER WHICH PROVIDE CONTINUOUS SUPPORT OF MASONRY ABOVE.

R32 SAW-CUT AND REMOVE PORTION OF EXISTING REINFORCED CONCRETE FLOOR SLAB FOR INSTALLATION OF MECHANICAL DUCTS. COORDINATE SIZE WITH MECHANICAL DRAWINGS.

R33 REMOVE EXISTING CONCRETE FILLED METAL PAN STAIR, HANDRAILS AND ALL RELATED ITEMS.



1 LOWER FLOOR REMOVAL REFLECTED CEILING PLAN cont.
SCALE: 1/8" = 1'-0"

0 2' 4' 8' 16' 32'

N

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S.E.D. CONTROL NUMBER:
66-23-00-01-0-032-010

YPS JOB # 10876

PROJECT TITLE
YONKERS SCHOOL DISTRICT
PHASE 1 OF 3 FOR WINDOWS, MASONRY, INTERIOR IMPROVEMENTS & SITE WORK AT PS 32
1 MONTCLAIR PLACE, YONKERS, NY 10710

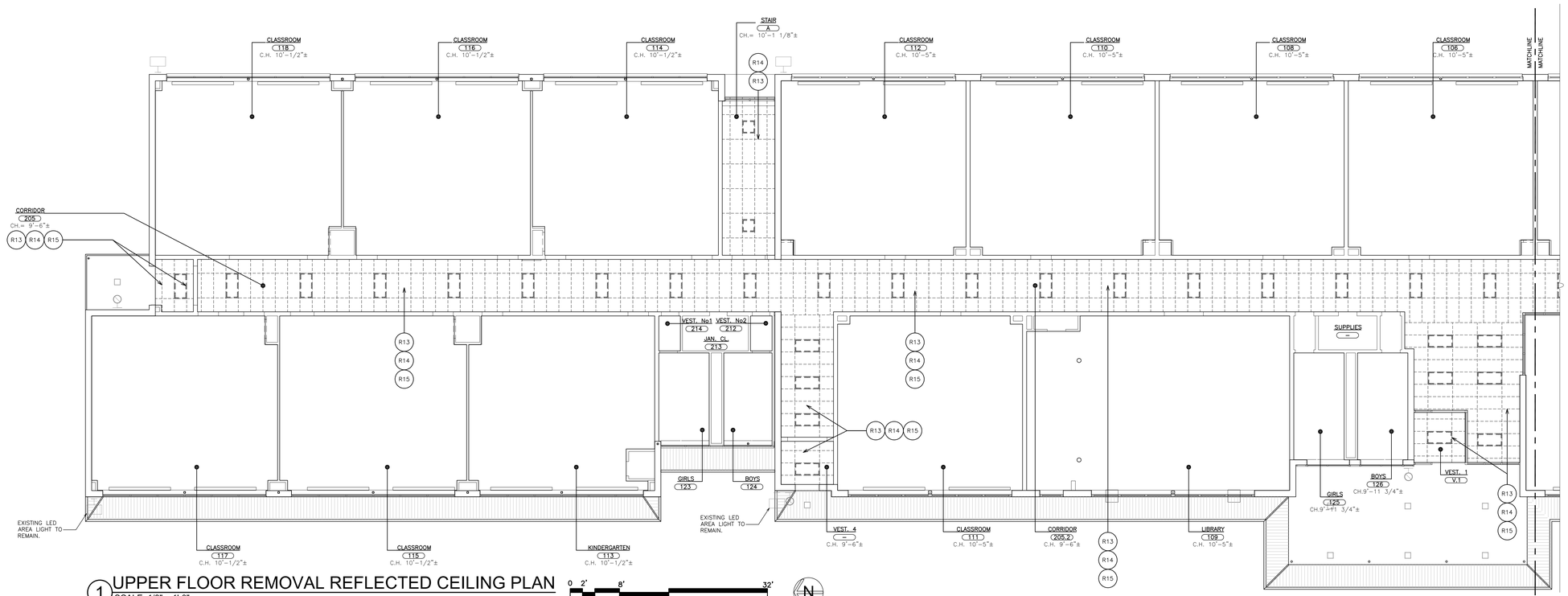
DRAWING TITLE
LOWER FLOOR
REMOVAL REFLECTED CEILING PLAN

DATE	ISSUED TO
12-22-2023	BID
11-06-2020	100% C.D. SUBMISSION
06-01-2020	100% D.D. SUBMISSION
05-01-2020	50% D.D. SUBMISSION

SHEET SIZE 30"x42"
DRAWING NO. AR200
SCALE AS NOTED
DRAWN BY F & D
FILE NO. 19360.01

PLOT DATE: December 21, 2023 - 11:25am

FILE: I:\19360.00 Yonkers PS 32 Windows Masonry and Site\DRAWINGS\CURRENT\1-F&D\PS 32 Phase 1 HVAC\19360.01-AR200.dwg



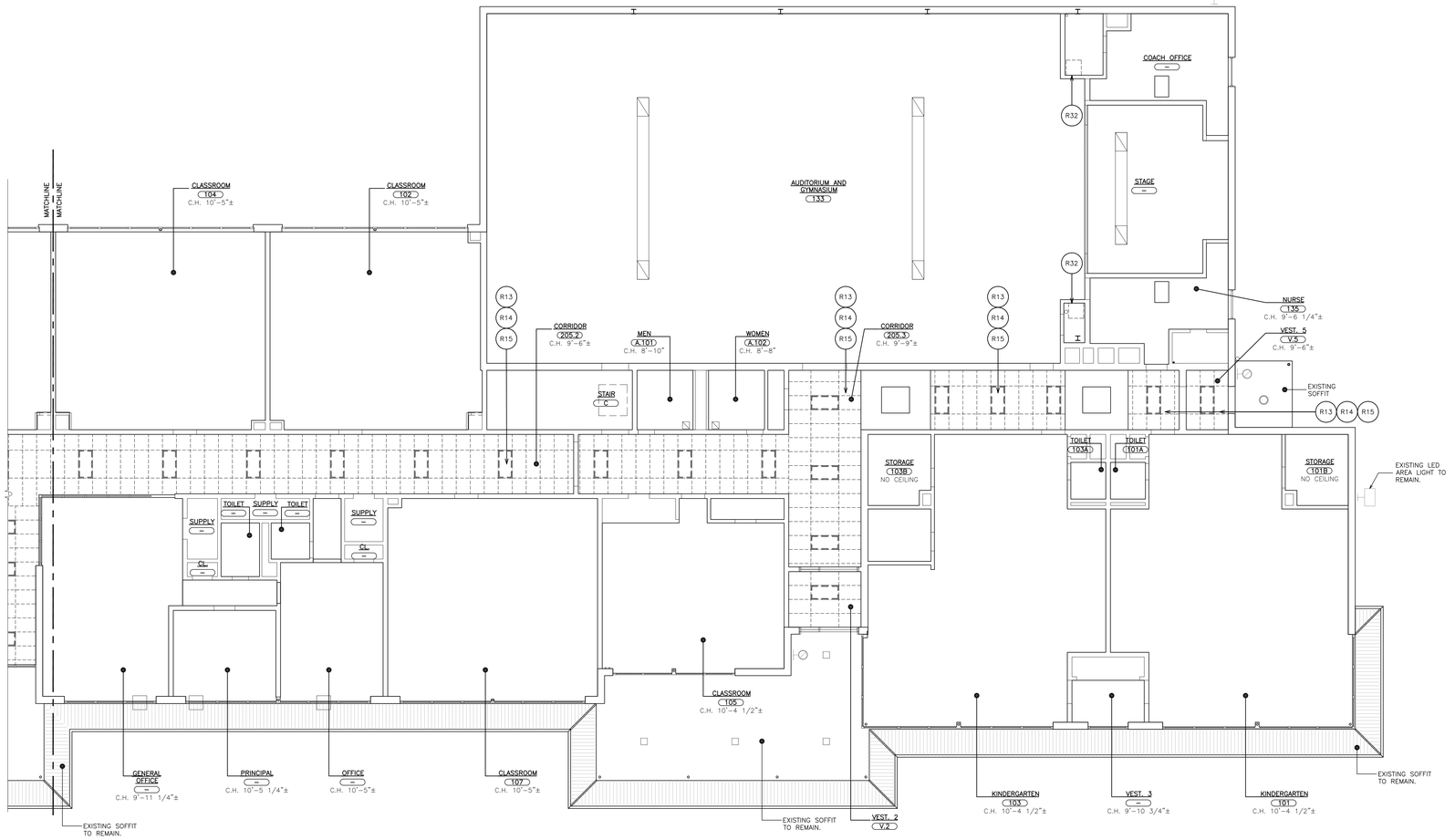
1 UPPER FLOOR REMOVAL REFLECTED CEILING PLAN
SCALE: 1/8" = 1'-0"

0 2' 4' 8' 16' 32'

N

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(COORDINATE REMOVALS W/ HAZARDOUS MATERIAL DRAWINGS)

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1 UPPER FLOOR REMOVAL REFLECTED CEILING PLAN cont.
SCALE: 1/8" = 1'-0"

0 2' 4' 8' 16' 32'

N

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S.E.D. CONTROL NUMBER:
66-23-00-01-0-032-010

YPS JOB # 10876

PROJECT TITLE
YONKERS SCHOOL DISTRICT
PHASE 1 OF 3 FOR WINDOWS, MASONRY, INTERIOR IMPROVEMENTS & SITE WORK AT PS 32 VAN WYCK
1 MONTCLAIR PLACE, YONKERS, NY 10710

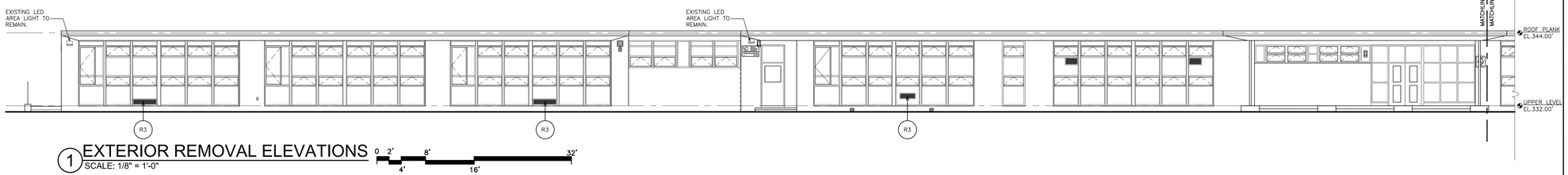
DRAWING TITLE
UPPER FLOOR REMOVAL REFLECTED CEILING PLAN

DATE	ISSUED TO
12-22-2023	BID
11-06-2020	100% C.D. SUBMISSION
06-01-2020	100% D.D. SUBMISSION
05-01-2020	50% D.D. SUBMISSION

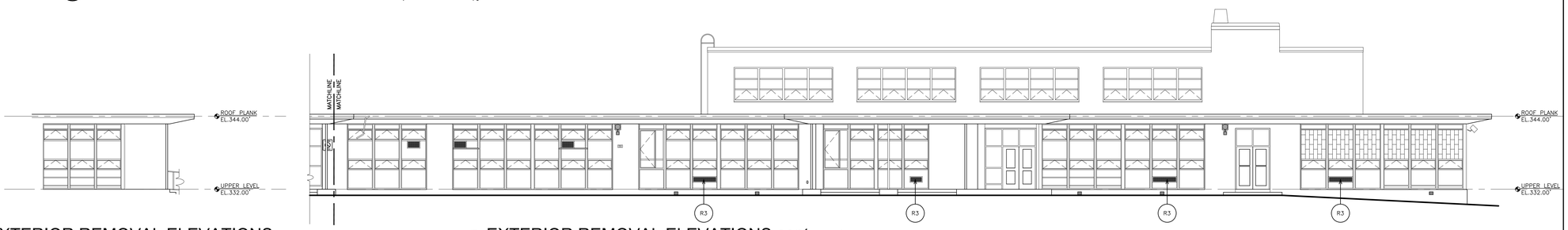
SHEET SIZE 30"x42"
DRAWING NO. AR201
SCALE AS NOTED
DRAWN BY F & D
FILE NO. 19360.01

PLOT DATE: December 21, 2023 - 11:25am

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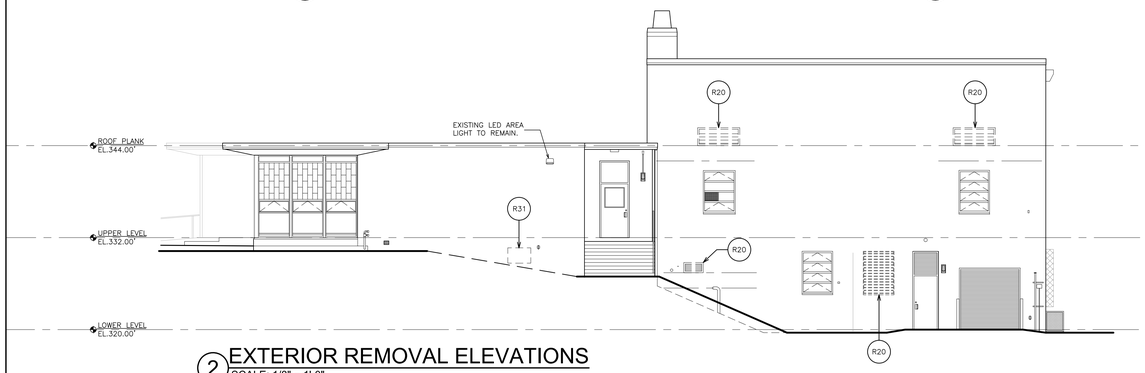


1 EXTERIOR REMOVAL ELEVATIONS
SCALE: 1/8" = 1'-0"

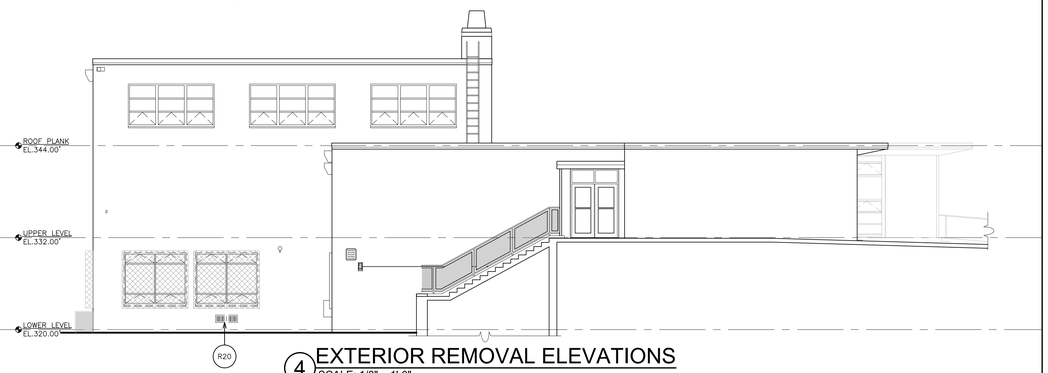


1a EXTERIOR REMOVAL ELEVATIONS
SCALE: 1/8" = 1'-0"

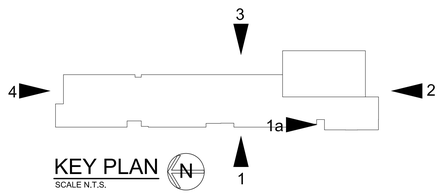
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SCALE: 1/8" = 1'-0"

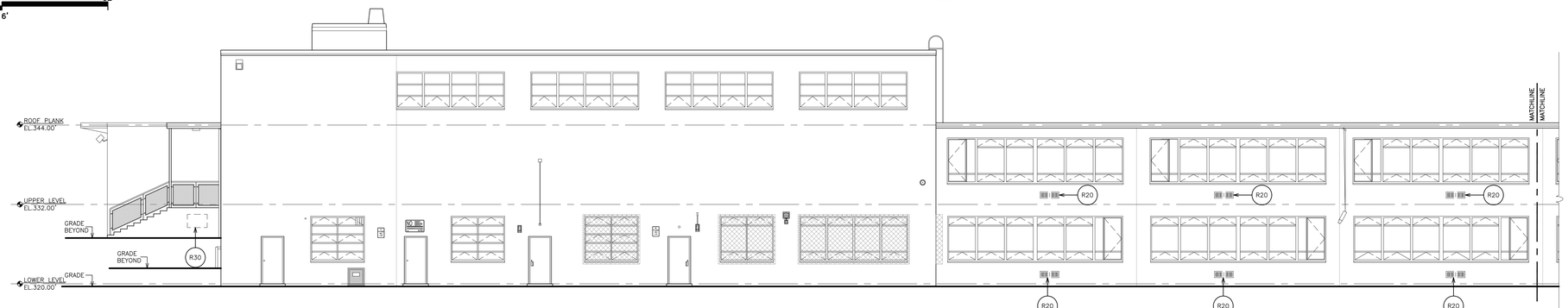


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SCALE: 1/8" = 1'-0"

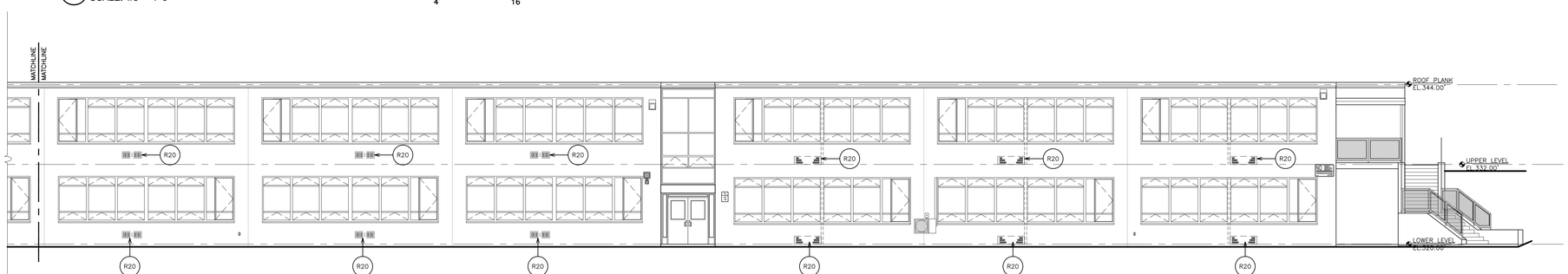


4 EXTERIOR REMOVAL ELEVATIONS
SCALE: 1/8" = 1'-0"





3 EXTERIOR REMOVAL ELEVATIONS
SCALE: 1/8" = 1'-0"



3 EXTERIOR REMOVAL ELEVATIONS cont.
SCALE: 1/8" = 1'-0"

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S.E.D. CONTROL NUMBER:

66-23-00-01-0-032-010

YPS JOB # 10876

PROJECT TITLE
YONKERS SCHOOL DISTRICT
PHASE 1 OF 3 FOR WINDOWS, MASONRY, INTERIOR IMPROVEMENTS & SITE WORK AT SCHOOL NO. 32
1 MONTCLAIR PLACE, YONKERS, NY 10710

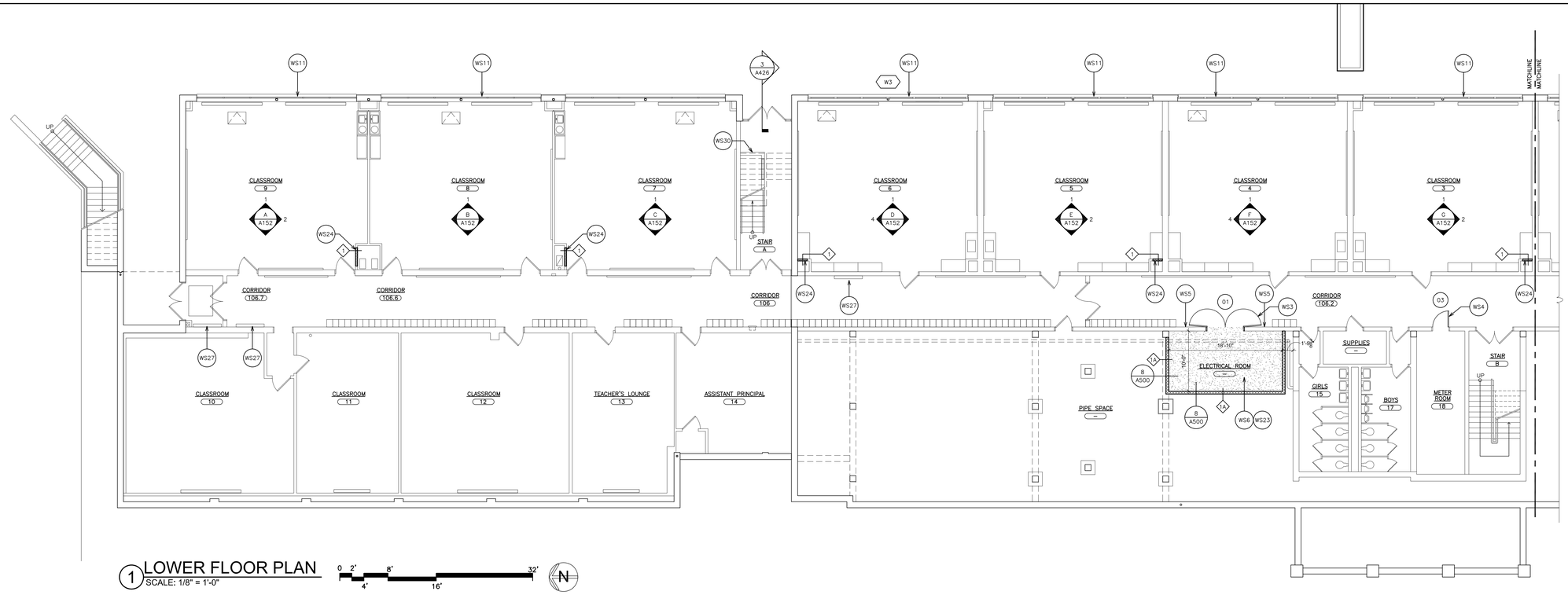
DRAWING TITLE
EXTERIOR REMOVAL ELEVATIONS

DATE	ISSUED TO
12-22-2023	BID
11-06-2020	100% C.D. SUBMISSION
06-01-2020	100% D.D. SUBMISSION
05-01-2020	50% D.D. SUBMISSION

SHEET SIZE 30"x42"
DRAWING NO. AR300
SCALE AS NOTED
DRAWN BY F & D
FILE NO. 19360.01

PLOT DATE: December 21, 2023 - 9:23am

FILE: I:\19360.00 Yonkers PS 32 Windows Masonry and Site\DRAWINGS\CURRENT\1-F&D\PS 32 Phase 1 HVAC\19360.01-AR300.dwg



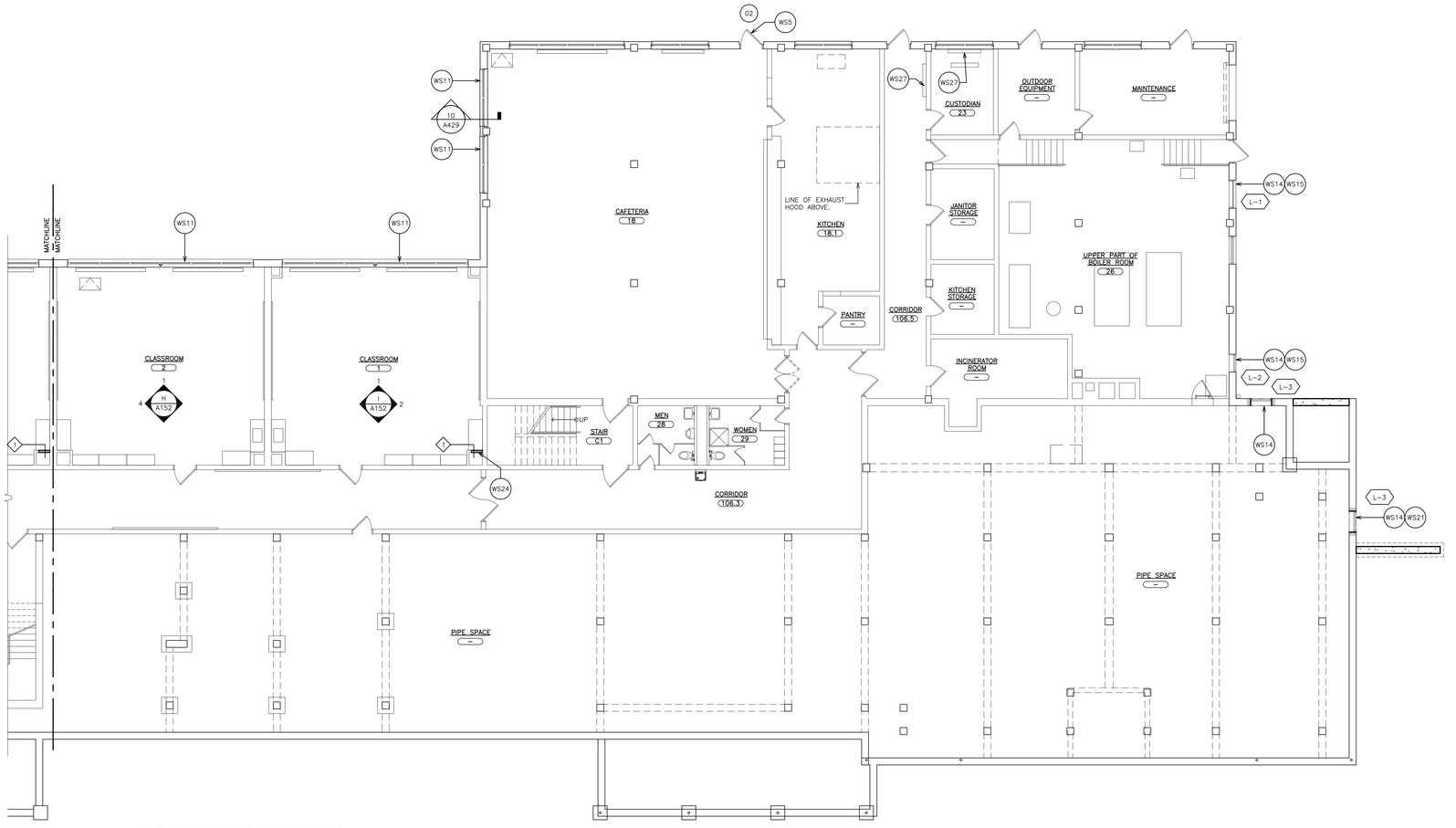
1 LOWER FLOOR PLAN
SCALE: 1/8" = 1'-0"

0 2' 4' 8' 16' 32'

N

WORKSCOPE NOTES:

- WS1 INFILL EXISTING SLEEVE OPENING W/ NEW CMU TO MATCH EXISTING. PROVIDE BATT INSULATION BEHIND EXISTING LOUVER. BLOCK FILL, PRIME AND PAINT.
- WS2 NOT USED.
- WS3 PROVIDE HOLLOW METAL DOOR FRAME AND DOOR. SEE DOOR SCHEDULE.
- WS4 PROVIDE AND WELD CLOSURE PLATES AT HINGE & STRIKE LOCATIONS, GRIND ALL WELDS SMOOTH, PRIME & PAINT ENTIRE FRAME. INSTALL NEW DOOR AND HARDWARE INTO EXISTING FRAME. SEE DOOR SCHEDULE.
- WS5 REMOVE EXISTING HARDWARE MOUNTED ON EXISTING FRP DOORS AND FRAME FOR INSTALLATION OF NEW ACCESS CONTROL HARDWARE. PROVIDE AND INSTALL NEW CARD READERS, DOOR CONTACTS, ELECTRIC STRIKE & ACCESS CONTROL SYSTEM. RUN ALL NEW WIRING WITH-IN EXISTING ALUMINUM DOOR FRAMES. SEE HARDWARE SCHEDULE AND SECURITY DRAWINGS FOR HARDWARE AND ADDITIONAL INFORMATION.
- WS6 PROVIDE FLOOR FINISH. SEE FINISH SCHEDULE AND FINISH PLANS.
- WS7 NOT USED.
- WS8 NOT USED.
- WS9 NOT USED.
- WS10 NOT USED.
- WS11 INFILL EXISTING LOUVER OPENING W/ NEW BRICK (COLOR, BOND PATTERN AND TOOLING TO MATCH EXISTING ADJACENT TOOTH INTO SURROUNDING BRICKS), RIGID INSULATION, AIR/MOISTURE BARRIER, CMU AND JOINT REINFORCEMENT.
- WS12 NOT USED.
- WS13 NOT USED.
- WS14 INSTALL NEW ALUMINUM LOUVER W/ BIRD, INSECT SCREEN AND INSULATED BLANK-OFF PANEL AND BRACKETS. EXTEND, MODIFY AND RECONNECT TO EXISTING AND OR NEW DUCTWORK. SEE LOUVER DETAILS.
- WS15 SCRAPE, WIRE BRUSH, PRIME AND PAINT EXISTING STEEL LINTEL. COLOR TO MATCH BRICK.
- WS16 PROVIDE NEW ACOUSTICAL CEILING PANELS IN EXISTING GRID CUT AS REQUIRED. PROVIDE WALL ANGLES AND RUNNERS SUPPORTS AS REQUIRED.
- WS17 NOT USED.
- WS18 NOT USED.
- WS19 NOT USED.
- WS20 PROVIDE SUSPENDED ACOUSTICAL CEILING SYSTEM & ALL RELATED ITEMS. ELECTRICAL CONTRACTOR TO PROVIDE NEW LIGHT FIXTURES & CEILING MOUNTED DEVICES. COORDINATE INSTALLATION. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION. SEE DETAILS A501.
- WS21 INSTALL NEW GALVANIZED STEEL LINTEL ANGLE WITH MIN. 8" BEARING EACH SIDE. PROVIDE SELF ADHERED MEMBRANE FLASHING, WEEP HOLES, REINSTALL EXISTING STONE. SEE DETAIL.
- WS22 PROVIDE NEW LED EXTERIOR LIGHT FIXTURES. SEE ELECTRICAL DRAWINGS.
- WS23 PROVIDE 5" REINFORCED CONCRETE SLAB W/ 12" WIDE x 12" DEEP HAUNCH AT EDGES. REINFORCED W/ #4 @ 16" O.C. EACH WAY OVER REINFORCED VAPOR BARRIER (TAPE & SEAL ALL JOINTS), 6" GRAVEL BASE AND COMPACTED EXISTING SUB-SOIL. SEE DETAIL 8/A500.
- WS24 PROVIDE CMU PARTITION / INFILL. TOOTHED INTO EXISTING CMU WALL. MATCH EXISTING CMU THICKNESS. BLOCK FILL, PRIME AND PAINT.
- WS25 SAW-CUT EXISTING CMU JOINT TO INSTALL LINTEL PRIOR TO WALL REMOVAL. INSTALL NEW STEEL LINTEL & RETURN AIR GRILLE. WORK IN MANNER THAT PROVIDES CONTINUOUS SUPPORT OF MASONRY ABOVE. SEE DETAIL 12/A500.
- WS26 NOT USED.
- WS27 PATCH DISTURBED CERAMIC TILE TO MATCH EXISTING ADJACENT TILE.
- WS28 EXCAVATE DOWN AND PROVIDE NEW REINFORCED CONCRETE 10"x24" GRADE BEAM (WITH (2) #5 EPOXY COATED REINFORCING @ 12" O.C. & #3 TIES @ 12" O.C.) TIE INTO EXISTING CONCRETE PIERS WITH 12" EPOXY COATED DOWELS WITH A EMBEDMENT OF 6" INTO PIERS.



1 LOWER FLOOR PLAN cont.
SCALE: 1/8" = 1'-0"

0 2' 4' 8' 16' 32'

N

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S.E.D. CONTROL NUMBER:
66-23-00-01-0-032-010

YPS JOB # 10876

PROJECT TITLE
YONKERS SCHOOL DISTRICT
PHASE 1 OF 3 FOR WINDOWS, MASONRY, INTERIOR IMPROVEMENTS & SITE WORK
AT PUBLIC SCHOOL 32
1 MONTCLAIR PLACE, YONKERS, NY 10710

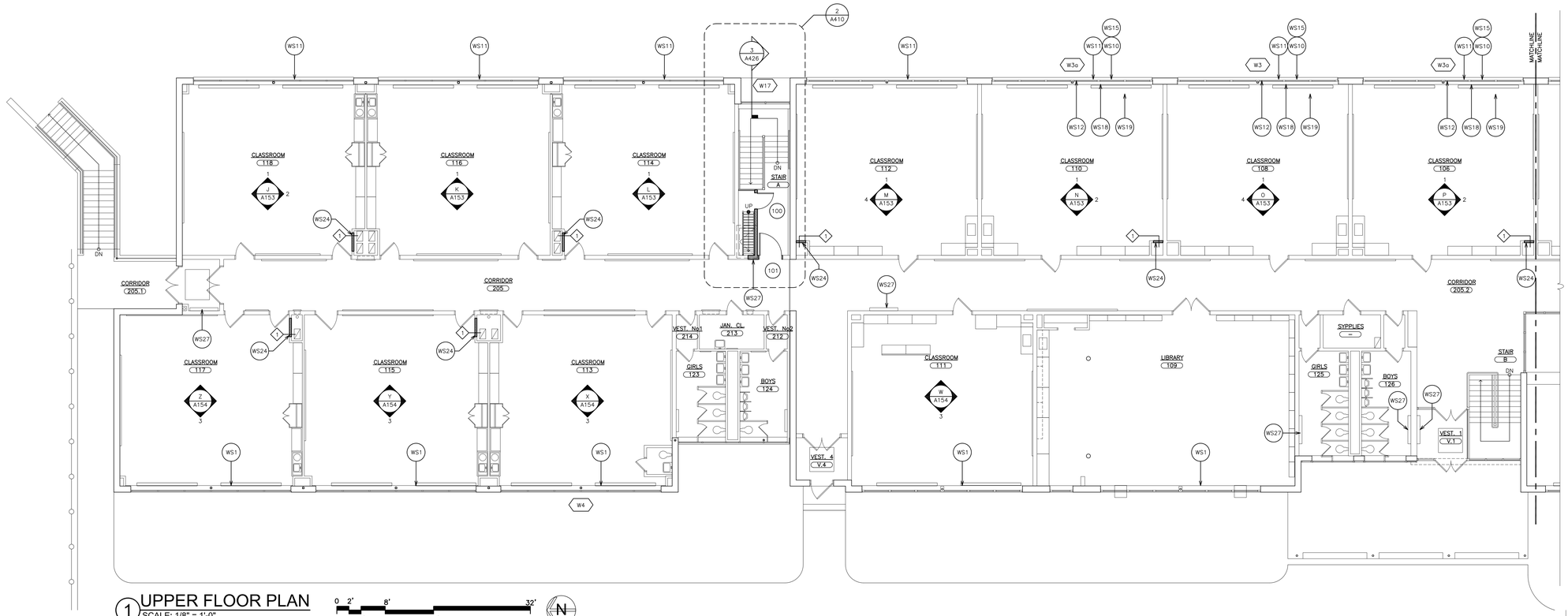
DRAWING TITLE
LOWER FLOOR PLAN

DATE	ISSUED TO
12-22-2023	BID
11-06-2020	100% C.D. SUBMISSION
06-01-2020	100% D.D. SUBMISSION
05-01-2020	50% D.D. SUBMISSION

SHEET SIZE 30"x42"
DRAWING NO. A100
SCALE AS NOTED
DRAWN BY F & D
FILE NO. 19360.01

PLOT DATE: December 21, 2023 - 9:41am

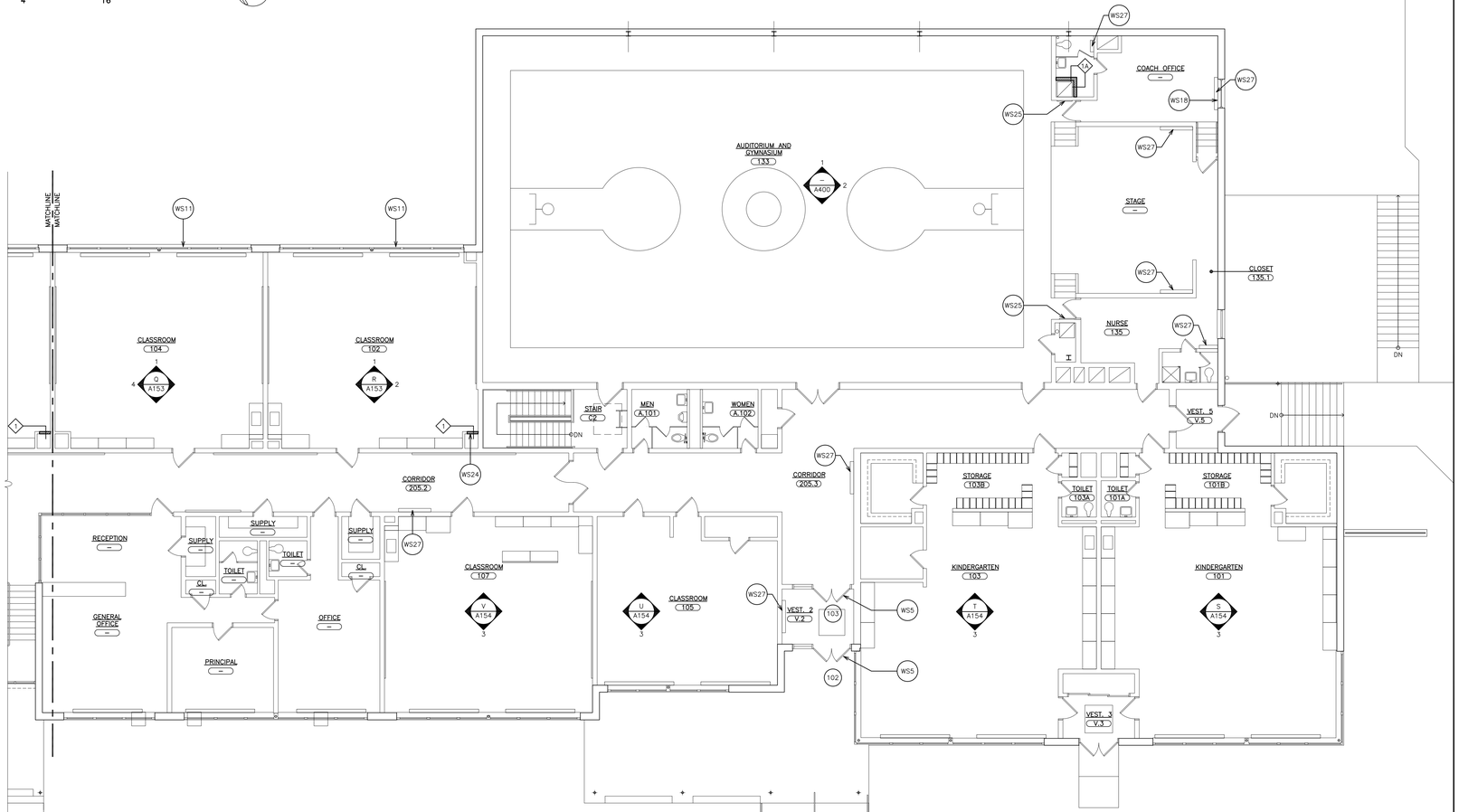
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1 UPPER FLOOR PLAN
SCALE: 1/8" = 1'-0"

0 2' 4' 8' 16' 32'

N



1 UPPER FLOOR PLAN cont.
SCALE: 1/8" = 1'-0"

0 2' 4' 8' 16' 32'

N

WORKSCOPE NOTES:

- WS1 INFILL EXISTING SLEEVE OPENING W/ NEW CMU TO MATCH EXISTING. PROVIDE BATT INSULATION BEHIND EXISTING LOUVER. BLOCK FILL, PRIME AND PAINT.
- WS2 NOT USED.
- WS3 PROVIDE HOLLOW METAL DOOR FRAME AND DOOR. SEE DOOR SCHEDULE.
- WS4 PROVIDE AND WELD CLOSURE PLATES AT HINGE & STRIKE LOCATIONS, GRIND ALL WELDS SMOOTH, PRIME & PAINT ENTIRE FRAME. INSTALL NEW DOOR AND HARDWARE INTO EXISTING FRAME. SEE DOOR SCHEDULE.
- WS5 REMOVE EXISTING HARDWARE MOUNTED ON EXISTING FRP DOORS AND FRAME FOR INSTALLATION OF NEW ACCESS CONTROL HARDWARE. PROVIDE AND INSTALL NEW CARD READERS, DOOR CONTACTS, ELECTRIC STRIKE & ACCESS CONTROL SYSTEM. RUN ALL NEW WIRING WITH-IN EXISTING ALUMINUM DOOR FRAMES. SEE HARDWARE SCHEDULE AND SECURITY DRAWINGS FOR HARDWARE AND ADDITIONAL INFORMATION.
- WS6 PROVIDE FLOOR FINISH. SEE FINISH SCHEDULE AND FINISH PLANS.
- WS7 NOT USED.
- WS8 NOT USED.
- WS9 NOT USED.
- WS10 NOT USED.
- WS11 INFILL EXISTING LOUVER OPENING W/ NEW BRICK (COLOR, BOND PATTERN AND TOOLING TO MATCH EXISTING ADJACENT TOOTH INTO SURROUNDING BRICKS), RIGID INSULATION, AIR/MOISTURE BARRIER, CMU AND JOINT REINFORCEMENT.
- WS12 NOT USED.
- WS13 NOT USED.
- WS14 INSTALL NEW ALUMINUM LOUVER W/ BIRD, INSECT SCREEN AND INSULATED BLANK-OFF PANEL AND BRACKETS. EXTEND, MODIFY AND RECONNECT TO EXISTING AND OR NEW DUCTWORK. SEE LOUVER DETAILS.
- WS15 SCRAPE, WIRE BRUSH, PRIME AND PAINT EXISTING STEEL LINTEL. COLOR TO MATCH BRICK.
- WS16 PROVIDE NEW ACOUSTICAL CEILING PANELS IN EXISTING GRID CUT AS REQUIRED. PROVIDE WALL ANGLES AND RUNNERS SUPPORTS AS REQUIRED.
- WS17 NOT USED.
- WS18 NOT USED.
- WS19 NOT USED.
- WS20 PROVIDE SUSPENDED ACOUSTICAL CEILING SYSTEM & ALL RELATED ITEMS. ELECTRICAL CONTRACTOR TO PROVIDE NEW LIGHT FIXTURES & CEILING MOUNTED DEVICES. COORDINATE INSTALLATION. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION. SEE DETAILS A501.
- WS21 INSTALL NEW GALVANIZED STEEL LINTEL ANGLE WITH MIN. 8" BEARING EACH SIDE. PROVIDE SELF ADHERED MEMBRANE FLASHING, WEEP HOLES, REINSTALL EXISTING STONE. SEE DETAIL.
- WS22 PROVIDE NEW LED EXTERIOR LIGHT FIXTURES. SEE ELECTRICAL DRAWINGS.
- WS23 PROVIDE 5" REINFORCED CONCRETE SLAB W/ 12" WIDE x 12" DEEP HAUNCH AT EDGES. REINFORCED W/ #4 @ 16" O.C. EACH WAY OVER REINFORCED VAPOR BARRIER (TAPE & SEAL ALL JOINTS), 6" GRAVEL BASE AND COMPACTED EXISTING SUB-SOIL. SEE DETAIL 8/A500.
- WS24 PROVIDE CMU PARTITION / INFILL. TOOTHED INTO EXISTING CMU WALL. MATCH EXISTING CMU THICKNESS. BLOCK FILL, PRIME AND PAINT.
- WS25 SAW-CUT EXISTING CMU JOINT TO INSTALL LINTEL PRIOR TO WALL REMOVAL. INSTALL NEW STEEL LINTEL & RETURN AIR GRILLE. WORK IN MANNER THAT PROVIDES CONTINUOUS SUPPORT OF MASONRY ABOVE. SEE DETAIL 12/A500.
- WS26 NOT USED.
- WS27 PATCH DISTURBED CERAMIC TILE TO MATCH EXISTING ADJACENT TILE.
- WS28 EXCAVATE DOWN AND PROVIDE NEW REINFORCED CONCRETE 10"x24" GRADE BEAM (WITH (2) #5 EPOXY COATED REINFORCING @ 12" O.C. & #3 TIES @ 12" O.C.) TIE INTO EXISTING CONCRETE PIERS WITH 12" EPOXY COATED DOWELS WITH A EMBEDMENT OF 6" INTO PIERS.

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S.E.D. CONTROL NUMBER:
66-23-00-01-0-032-010

YPS JOB # 10876

PROJECT TITLE
YONKERS SCHOOL DISTRICT
PHASE 1 OF 3 FOR WINDOWS, MASONRY, INTERIOR IMPROVEMENTS & SITE WORK AT PS 32
1 MONTCLAIR PLACE, YONKERS, NY 10710

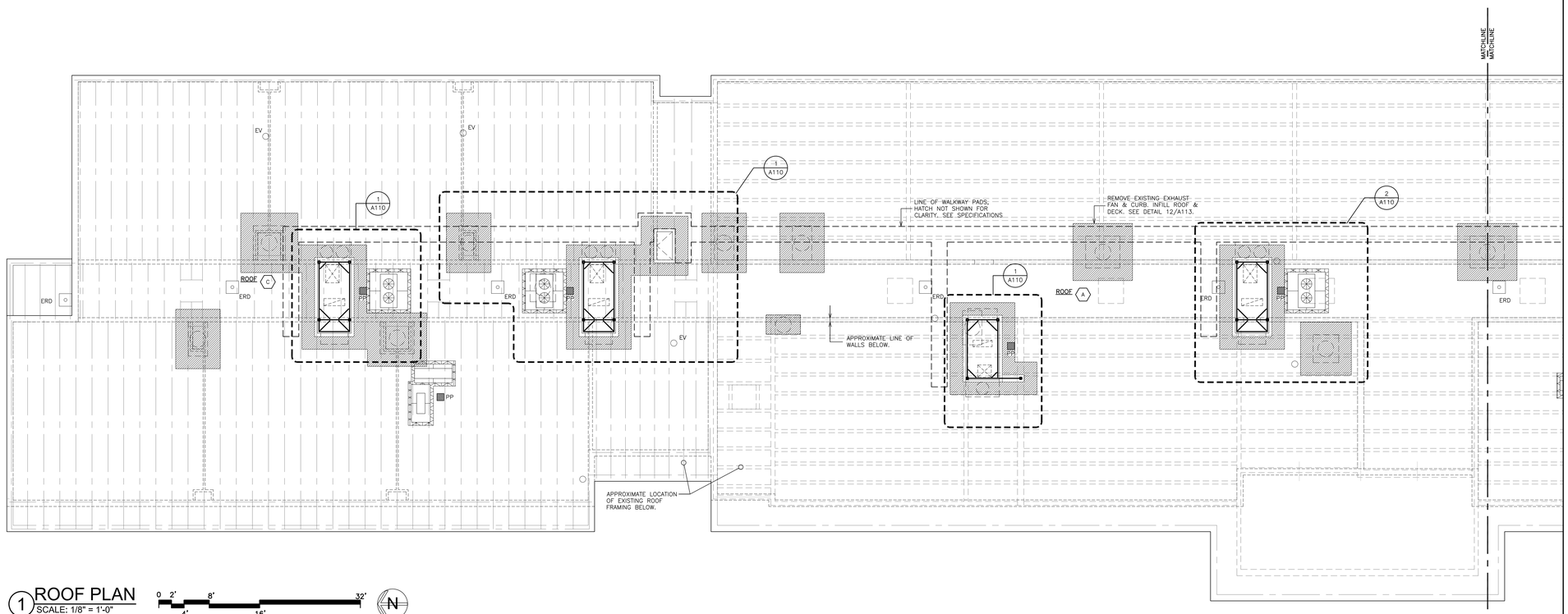
DRAWING TITLE
UPPER FLOOR PLAN

DATE	ISSUED TO
12-22-2023	BID
11-06-2020	100% C.D. SUBMISSION
06-01-2020	100% D.D. SUBMISSION
05-01-2020	50% D.D. SUBMISSION

SHEET SIZE 30"x42"
DRAWING NO. A101
SCALE AS NOTED
DRAWN BY F & D
FILE NO. 19360.01

PLOT DATE: December 21, 2023 - 9:45am

FILE: I:\19360.00 Yonkers PS 32 Windows Masonry and Site\DRAWINGS\CURRENT\1-F&D\PS 32 Phase 1 HVAC\19360.01-A101.dwg



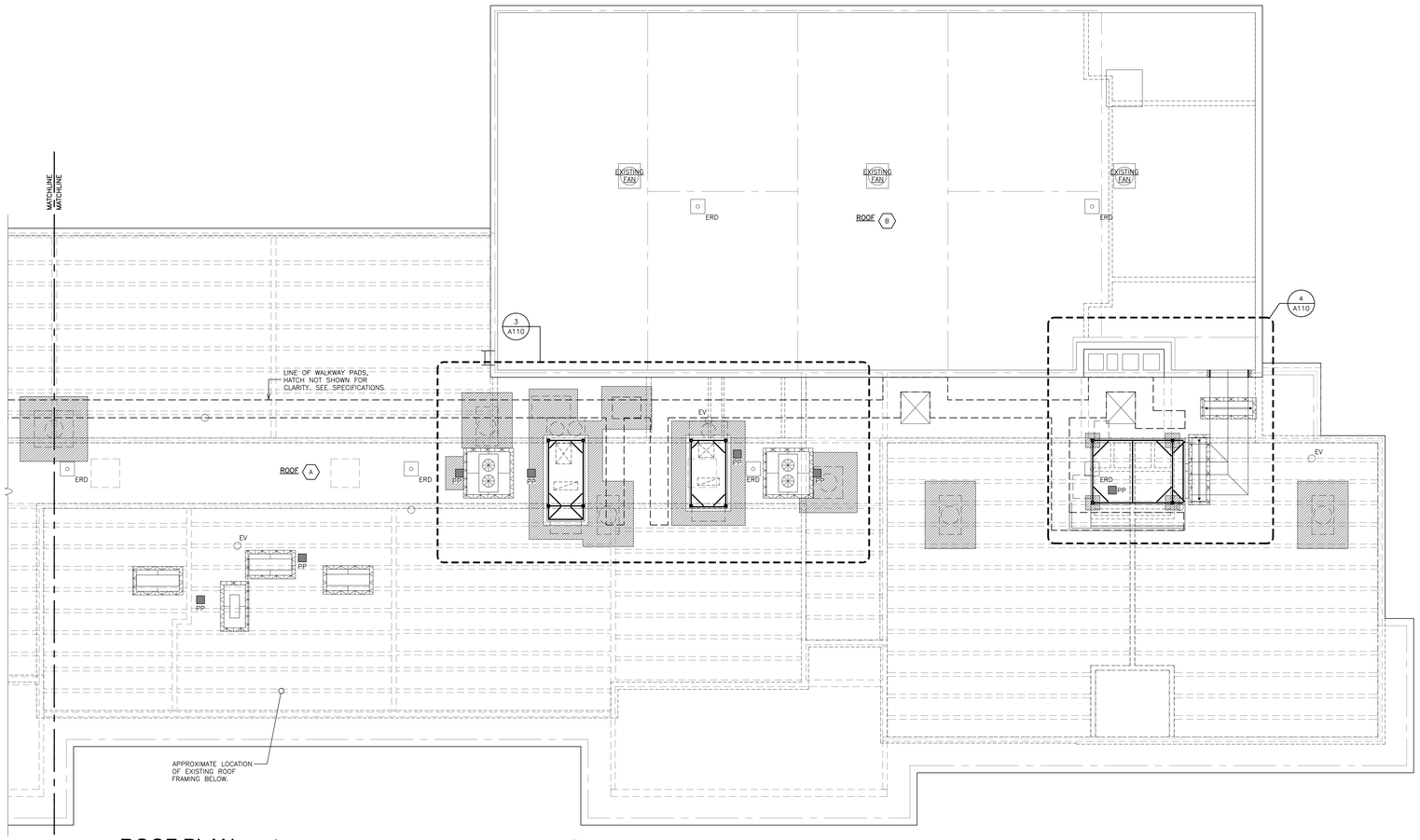
1 ROOF PLAN
SCALE: 1/8" = 1'-0"

0 2' 8' 32'
4' 16'

N

ROOF LEGEND

EV	EXISTING VENT
ERD	EXISTING ROOF DRAIN
PP	PIPE PORTAL
	EPDM ROOF PATCH
	WALKWAY PADS



1 ROOF PLAN cont.
SCALE: 1/8" = 1'-0"

0 2' 8' 32'
4' 16'

N

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S.E.D. CONTROL NUMBER:

66-23-00-01-0-032-010

YPS JOB # 10876

PROJECT TITLE
YONKERS SCHOOL DISTRICT
PHASE 1 OF 3 FOR WINDOWS, MASONRY, INTERIOR IMPROVEMENTS & SITE WORK
AT PUBLIC SCHOOL 32
1 MONTCLAIR PLACE, YONKERS, NY 10710

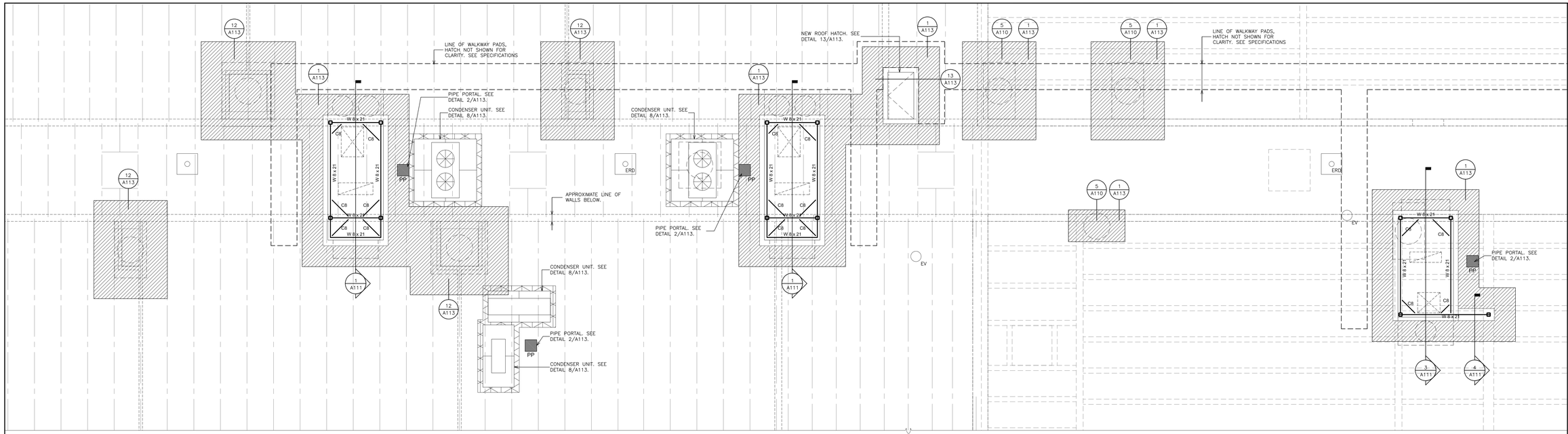
DRAWING TITLE
ROOF PLAN

DATE	ISSUED TO
12-22-2023	BID
11-06-2020	100% C.D. SUBMISSION
06-01-2020	100% D.D. SUBMISSION
05-01-2020	50% D.D. SUBMISSION

SHEET SIZE 30"x42"
DRAWING NO. A102
SCALE AS NOTED
DRAWN BY F & D
FILE NO. 19360.01

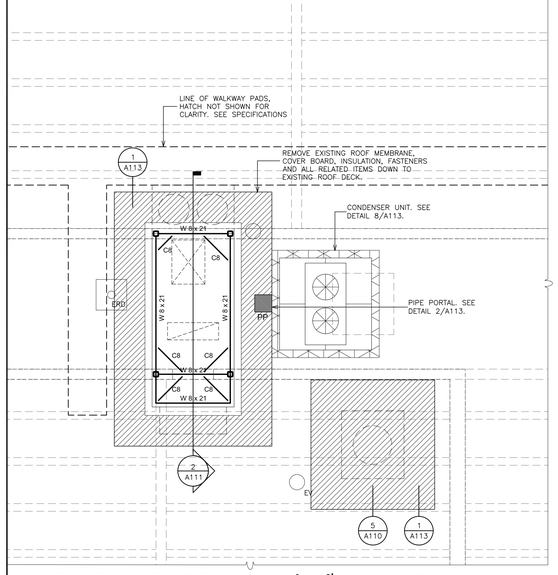
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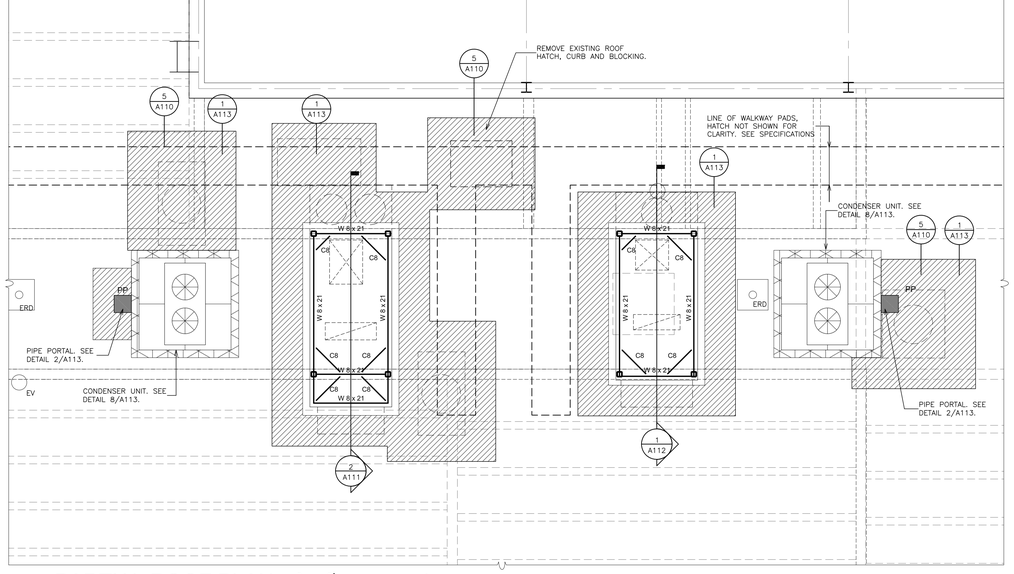
1 PARTIAL ROOF PLAN
SCALE: 1/4" = 1'-0"

0 2' 4' 8' 16'



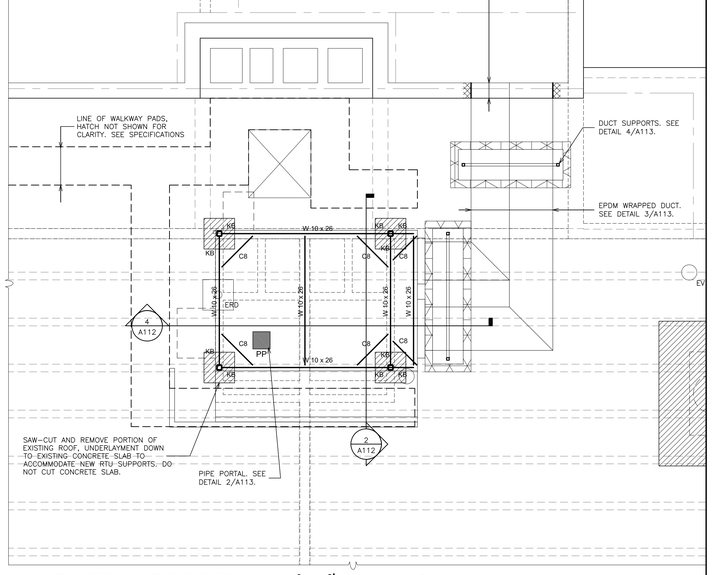
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SCALE: 1/4" = 1'-0"

0 2' 4' 8' 16'



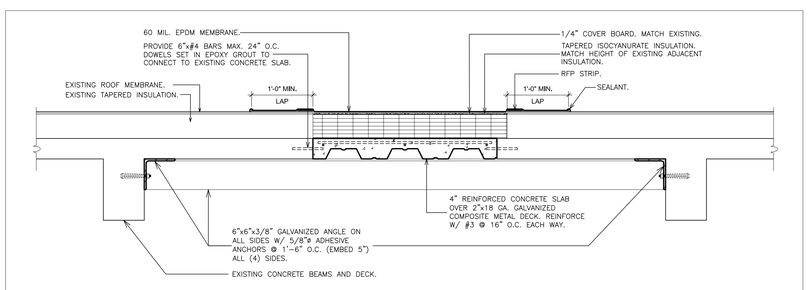
3 PARTIAL ROOF PLAN
SCALE: 1/4" = 1'-0"

0 2' 4' 8' 16'



4 PARTIAL ROOF PLAN
SCALE: 1/4" = 1'-0"

0 2' 4' 8' 16'



5 ROOF INFILL
SCALE: 1" = 1'-0"

ROOF LEGEND

EV	EXISTING VENT
ERD	EXISTING ROOF DRAIN
PP	PIPE PORTAL
	EPDM ROOF PATCH
	WALKWAY PADS

NOTES:

1. CONTRACTOR TO COORDINATE PLATFORM DIMENSIONS WITH DOAS, RTU & ERU MANUFACTURER'S CUTS.
2. DUNNAGE STEEL TO BE GALVANIZED OR SANDBLASTED PER SSPC-SP6 AND COATED WITH ZINC-RICH PAINT.
3. ALL STEEL TO BE ASTM A992. PIPE POSTS TO BE ASTM A500.
4. SUBMIT SHOP DRAWINGS WITH FIELD MEASURED DIMENSIONS.
5. KB ON PLANS DENOTES ∠3"x3"x1/4" DIAGONAL BRACE. (TYPICAL)
6. BOLTS TO BE GALVANIZED 3/4"ø A325 WITH GALVANIZED WASHERS. WELDS TO UTILIZE E70XX ELECTRODES.
7. SECURE EQUIPMENT TO DUNNAGE WITH MECHANICAL FASTENERS.
8. PROVIDE NEOPRENE PADS UNDER EQUIPMENT TO REDUCE VIBRATION.
9. COORDINATE FINAL LOCATION OF H.V. UNIT & DUNNAGE WITH EXISTING STRUCTURE, EXISTING ROOF DRAINS AND EXISTING ROOF EQUIPMENT.
10. ALL EXPOSED STEEL AND FASTENERS TO BE PRIMED AND PAINTED.
11. EXISTING ROOFING & INSULATION TO REMAIN EXCEPT WHERE SHOWN TO BE REMOVED & REPLACED TO INSTALL NEW EQUIPMENT OR TO INFILL WHERE EXISTING EQUIPMENT IS BEING REMOVED. EXISTING EPDM ROOFS ARE UNDER WARRANTY PERFORM ALL WORK IN ACCORDANCE WITH EXISTING MEMBRANE MANUFACTURE'S REQUIREMENTS TO MAINTAIN THE EXISTING WARRANTY INTACT.
12. CONTRACTOR TO PROTECT EXISTING ROOF(S) DURING CONSTRUCTION. CONTRACTOR TO PROVIDE 1" RIDGE INSULATION AND 1/2" EXTERIOR PLYWOOD, WEIGH DOWN W/ SAND BAGS. ROOF PROTECTION AT ALL WORK AREAS. CONTRACTOR TO LIMIT ROOF TRAFFIC ON EXISTING ROOFS.
13. CONTRACTOR TO MAINTAIN WATER TIGHTNESS OF BUILDING AT ALL TIMES.

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S.E.D. CONTROL NUMBER:
66-23-00-01-0-032-010

YPS JOB # 10876

PROJECT TITLE
YONKERS SCHOOL DISTRICT
PHASE 1 OF 3 FOR WINDOWS, MASONRY, INTERIOR IMPROVEMENTS & SITE WORK
P.S. 32 ANNEX
1 MONTCLAIR PLACE, YONKERS, NY 10710

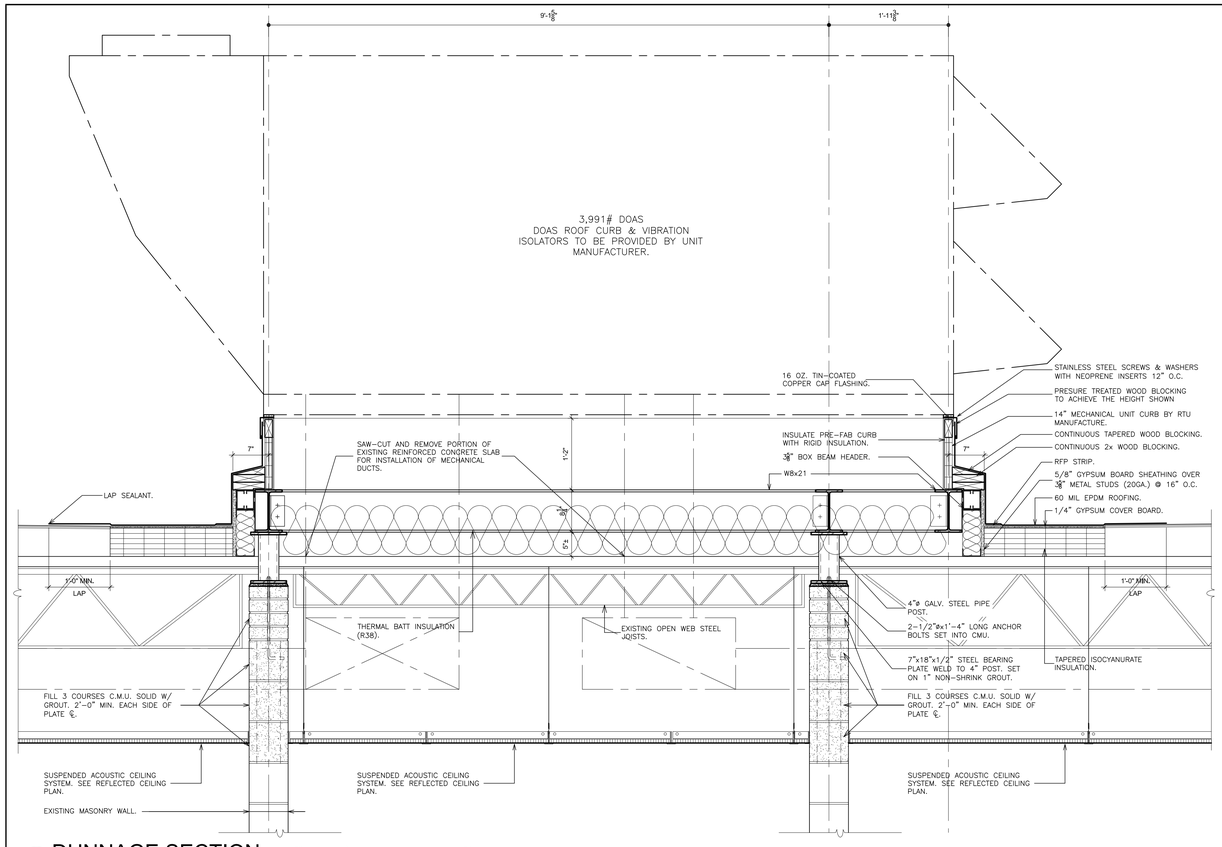
DRAWING TITLE
PARTIAL ROOF PLAN

DATE	ISSUED TO
12-22-2023	BID
11-06-2020	100% C.D. SUBMISSION
06-01-2020	100% D.D. SUBMISSION
05-01-2020	50% D.D. SUBMISSION

SHEET SIZE 30"x42"
DRAWING NO. A110
SCALE AS NOTED
DRAWN BY F & D
FILE NO. 19360.01

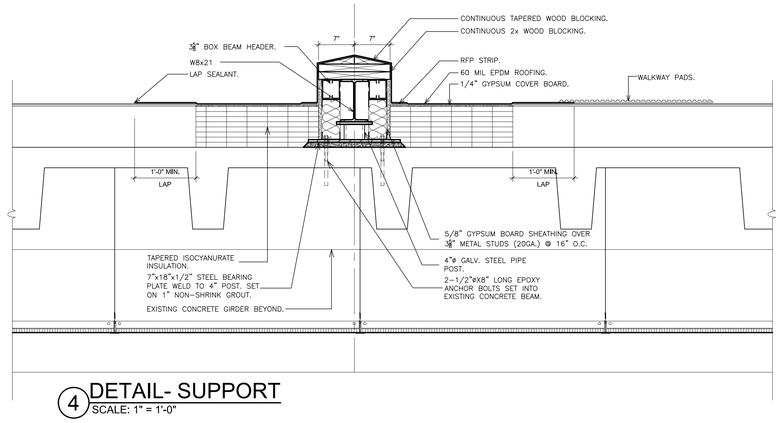
PLOT DATE: December 21, 2023 - 9:27am

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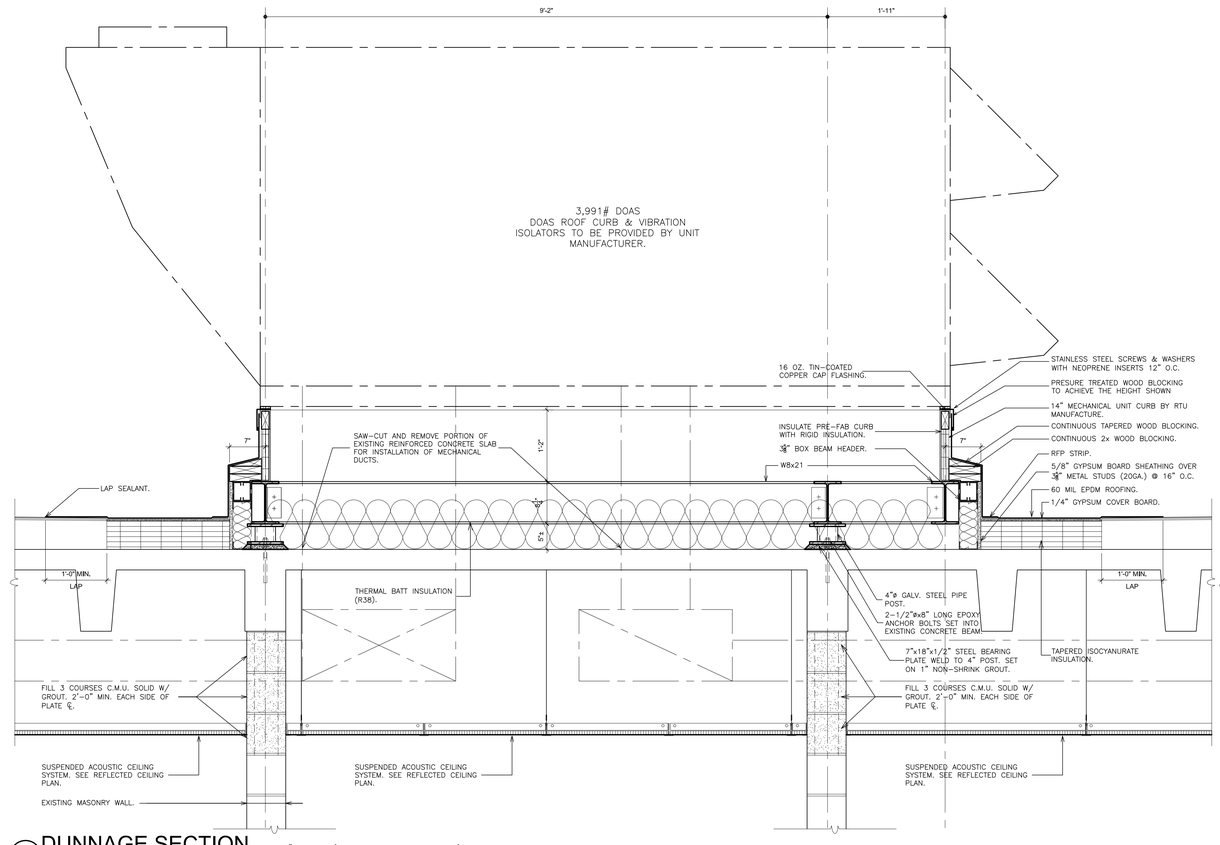


1 DUNNAGE SECTION
SCALE: 1" = 1'-0"

0 3" 1' 3'
6" 2'

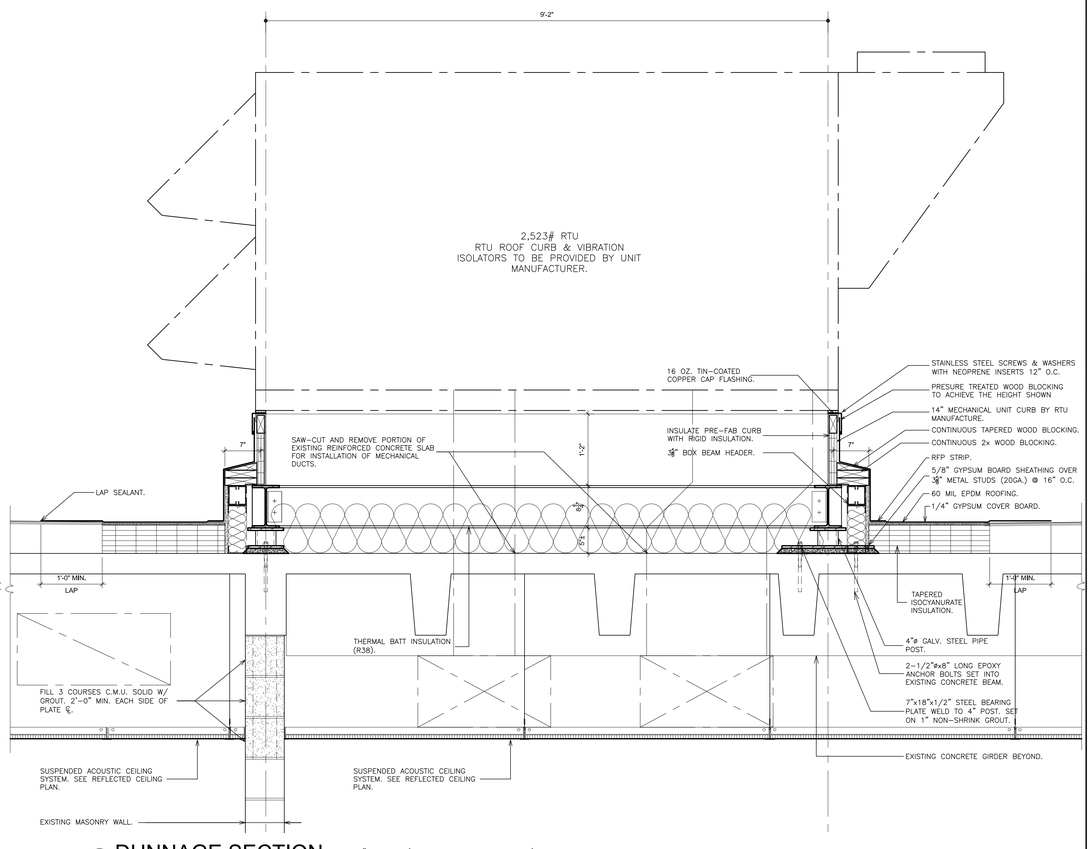


4 DETAIL- SUPPORT
SCALE: 1" = 1'-0"



2 DUNNAGE SECTION
SCALE: 1" = 1'-0"

0 3" 1' 3'
6" 2'



3 DUNNAGE SECTION
SCALE: 1" = 1'-0"

0 3" 1' 3'
6" 2'

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S.E.D. CONTROL NUMBER:
66-23-00-01-0-032-010

YPS JOB # 10876

PROJECT TITLE
YONKERS SCHOOL DISTRICT
PHASE 1 OF 3 FOR WINDOWS, MASONRY, INTERIOR IMPROVEMENTS & SITE WORK
PS 32 ROOSEVELT
1 MONTCLAIR PLACE, YONKERS, NY 10710

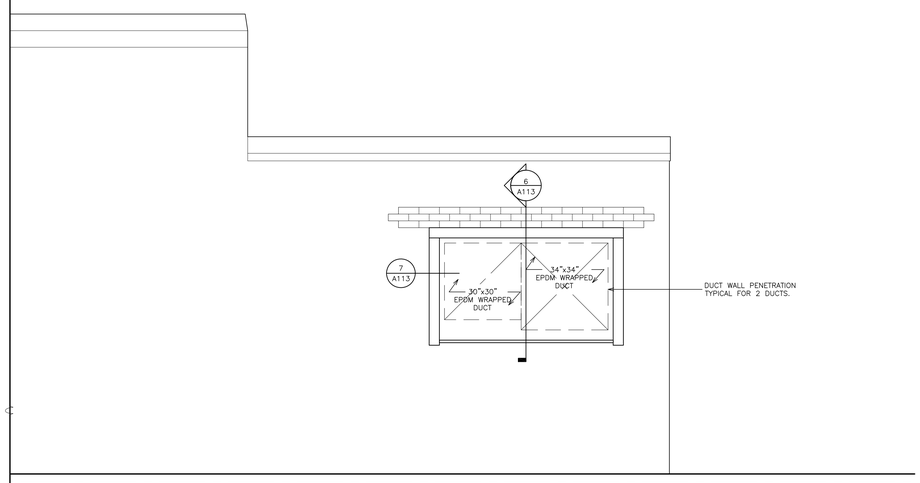
DRAWING TITLE
PARTIAL ROOF PLAN & DUNNAGE SECTIONS

DATE	ISSUED TO
12-22-2023	BID
11-06-2020	100% C.D. SUBMISSION
06-01-2020	100% D.D. SUBMISSION
05-01-2020	50% D.D. SUBMISSION

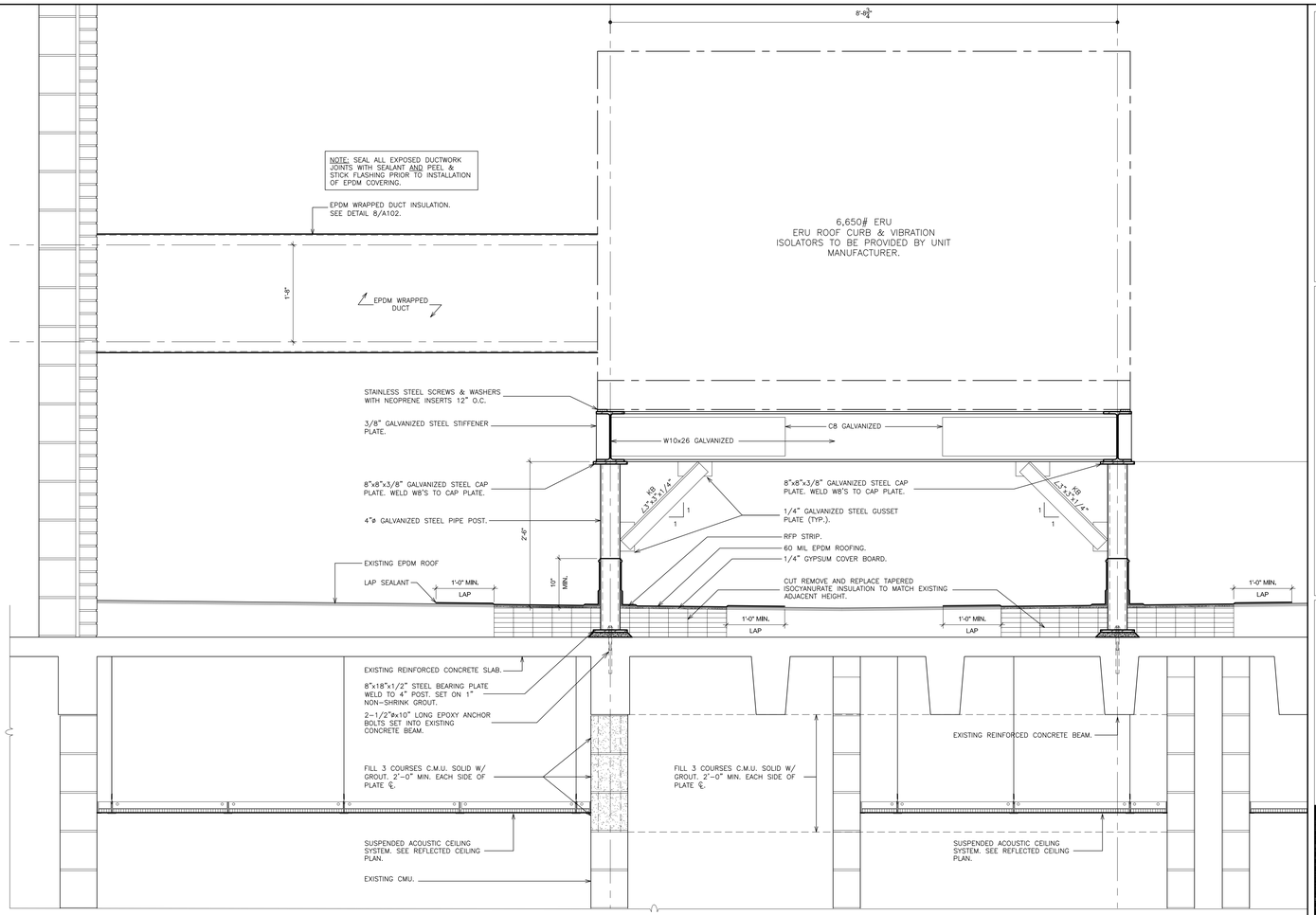
SHEET SIZE 30"x42"
DRAWING NO. A111
SCALE AS NOTED
DRAWN BY F & D
FILE NO. 19360.01

PLOT DATE: December 21, 2023 - 9:25am

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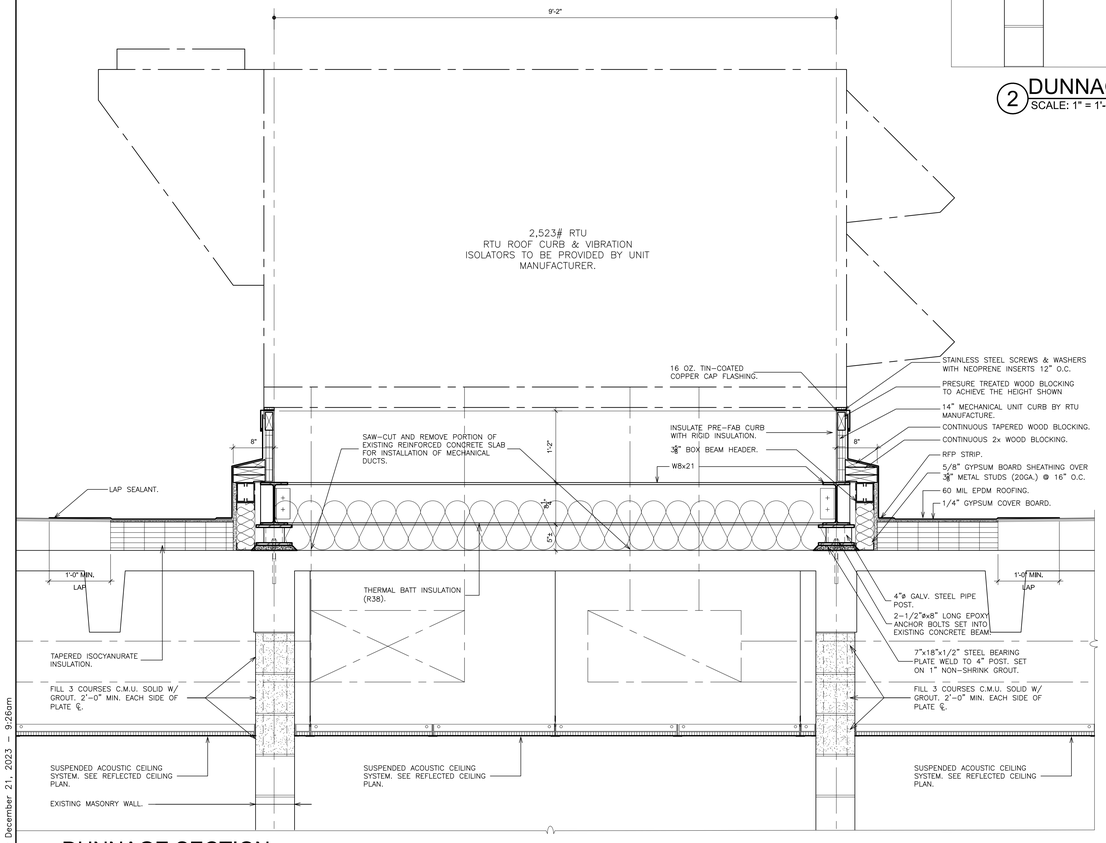


3 ELEVATION
SCALE: 1/2" = 1'-0"



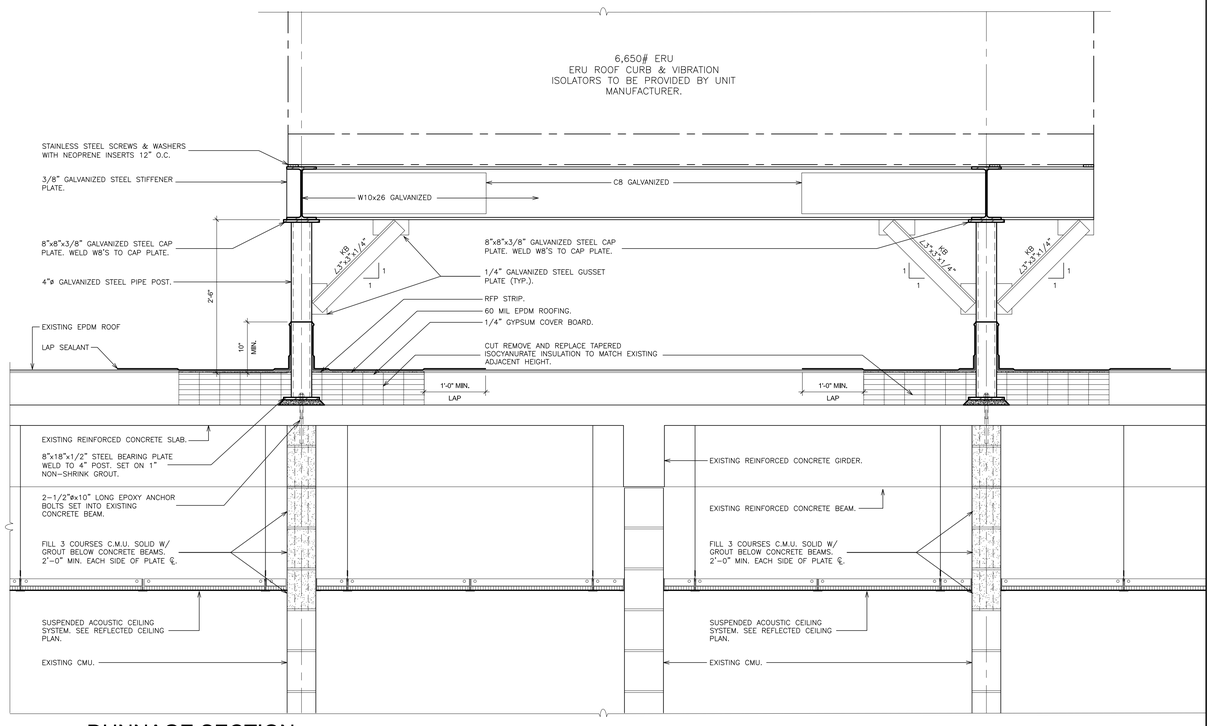
2 DUNNAGE SECTION
SCALE: 1" = 1'-0"

0 3" 6" 1' 2' 3'



1 DUNNAGE SECTION
SCALE: 1" = 1'-0"

0 3" 6" 1' 2' 3'



4 DUNNAGE SECTION
SCALE: 1" = 1'-0"

0 3" 6" 1' 2' 3'

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S.E.D. CONTROL NUMBER:
66-23-00-01-0-032-010

YPS JOB # 10876

PROJECT TITLE
YONKERS SCHOOL DISTRICT
PHASE 1 OF 3 FOR WINDOWS, MASONRY, INTERIOR IMPROVEMENTS & SITE WORK
PS 32 ROOSEVELT
1 MONTCLAIR PLACE, YONKERS, NY 10710

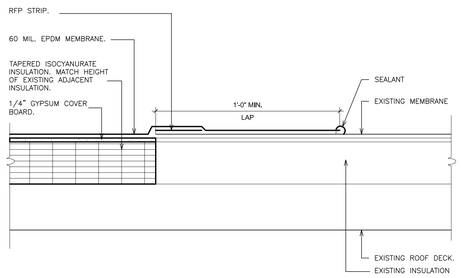
DRAWING TITLE
PARTIAL ROOF PLAN & DUNNAGE SECTIONS

DATE	ISSUED TO
12-22-2023	BID
11-06-2020	100% C.D. SUBMISSION
06-01-2020	100% D.D. SUBMISSION
05-01-2020	50% D.D. SUBMISSION

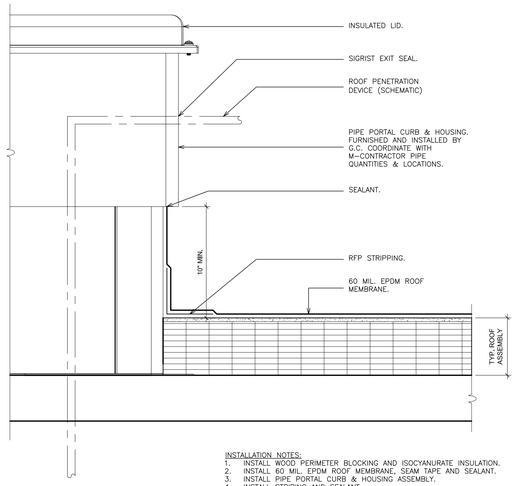
SHEET SIZE 30"x42"
DRAWING NO. A112
SCALE AS NOTED
DRAWN BY F & D
FILE NO. 19360.01

PLOT DATE: December 21, 2023 - 9:26am

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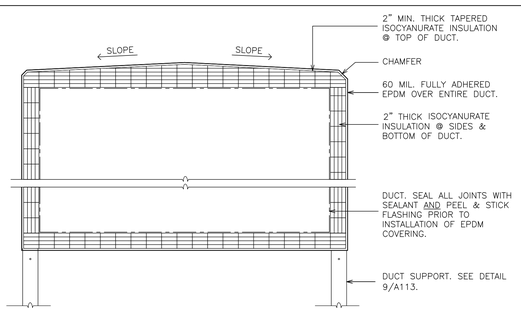


1 TYPICAL NEW TO EXIST. SPLICE DETAIL
SCALE: 3" = 1'-0"

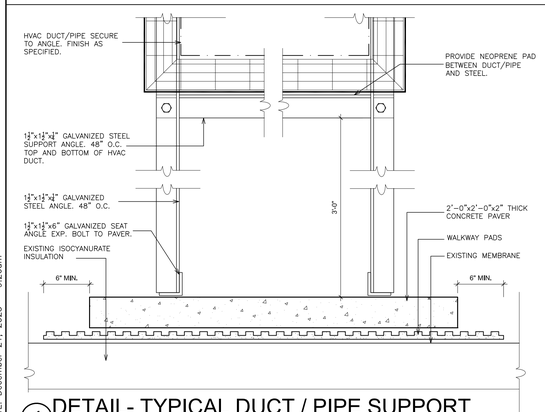


INSTALLATION NOTES:
1. INSTALL WOOD PERIMETER BLOCKING AND ISOCYANURATE INSULATION.
2. INSTALL 60 MIL. EPDM ROOF MEMBRANE, SEAM TAPE AND SEALANT.
3. INSTALL PIPE PORTAL CURB & HOUSING ASSEMBLY.
4. INSTALL STRIPING AND SEALANT.

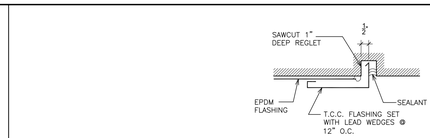
2 DETAIL- PIPE PORTAL @ NEW ROOF
SCALE: N.T.S.

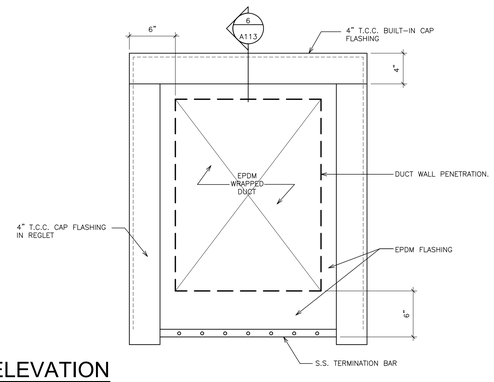


3 DETAIL- DUCT INSULATION
SCALE: 1 1/2" = 1'-0"

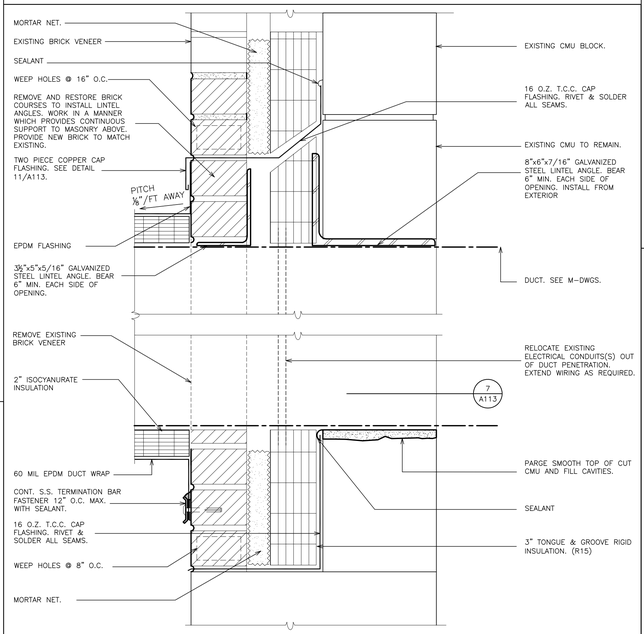


4 DETAIL- TYPICAL DUCT / PIPE SUPPORT
SCALE: 3" = 1'-0"

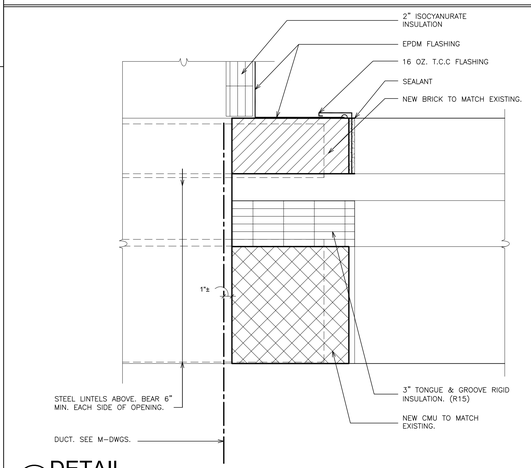




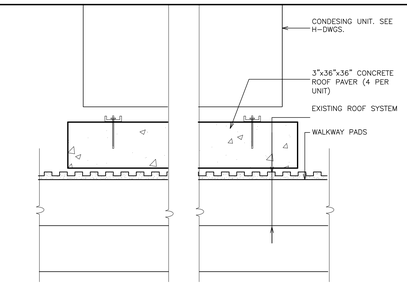
5 ELEVATION
SCALE: 1 1/2"= 1'-0"



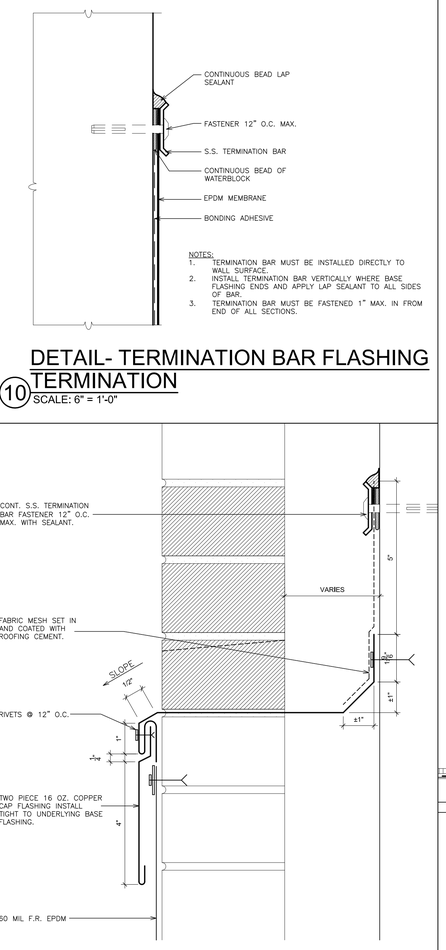
6 DETAIL- DUCT PENETRATION
SCALE: 3"= 1'-0"



7 DETAIL
SCALE: 3" = 1'-0"

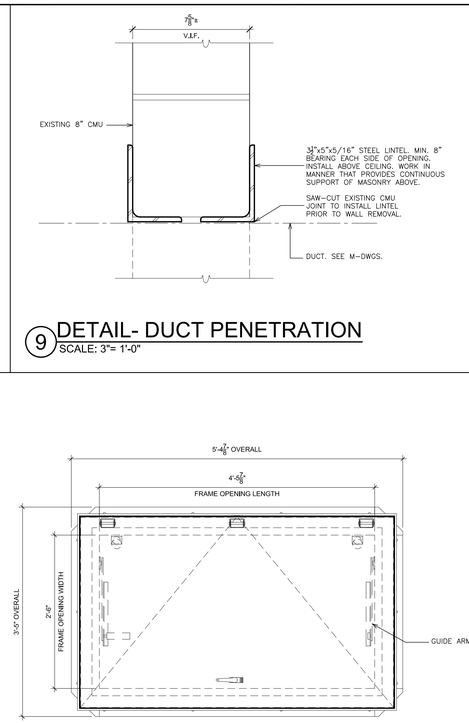


8 DETAIL- CONCRETE ROOF PAVER SUPPORT
SCALE: 3" = 1'-0"



10 DETAIL- TERMINATION BAR FLASHING TERMINATION
SCALE: 6" = 1'-0"

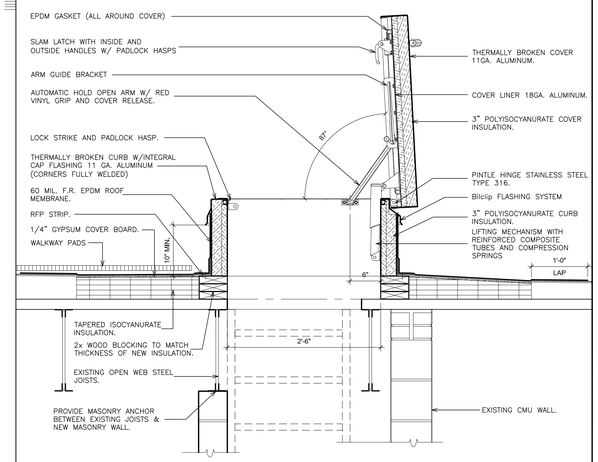
11 REVISED CAP FLASHING
SCALE: 6" = 1'-0"



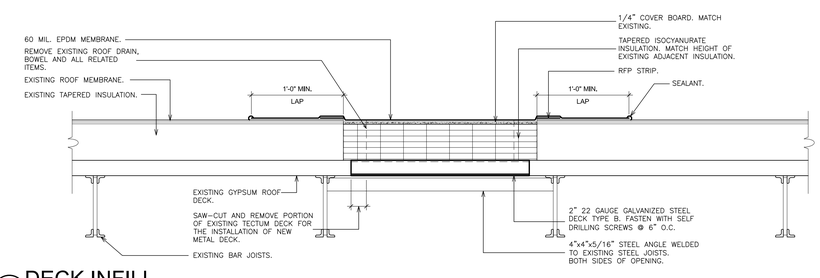
PLAN

BILCO
TYPE NB-50TB
ROOF SCUTTLE

9 DETAIL- DUCT PENETRATION
SCALE: 3"= 1'-0"



13 ROOF HATCH
SCALE: 1" = 1'-0"



12 DECK INFILL
SCALE: 1 1/2" = 1'-0"

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S.E.D. CONTROL NUMBER:
66-23-00-01-0-032-010

YPS JOB # 10876

PROJECT TITLE
YONKERS SCHOOL DISTRICT
PHASE 1 OF 3 FOR WINDOWS, MASONRY, INTERIOR IMPROVEMENTS & SITE WORK
PS 32 - ROOF AREA A
1 MONTICLAR PLACE, YONKERS, NY 10710

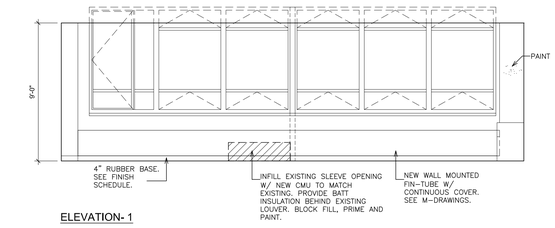
DRAWING TITLE
ROOF DETAILS

DATE	ISSUED TO
12-22-2023	BID
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06-01-2020	100% D.D. SUBMISSION
05-01-2020	50% D.D. SUBMISSION

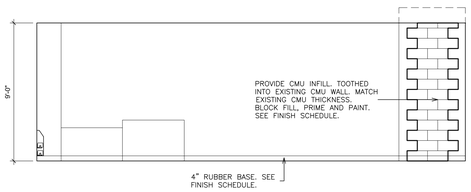
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SCALE AS NOTED
DRAWN BY F & D | FILE NO. 19360.01

PLOT DATE: December 21, 2023 - 9:26am

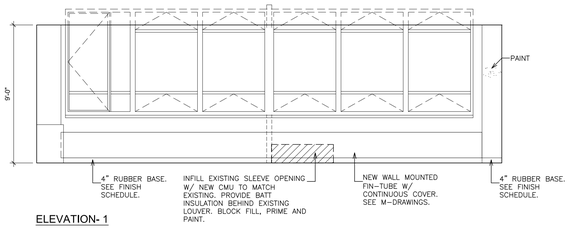
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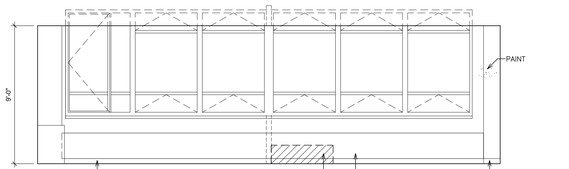
ELEVATION- 2



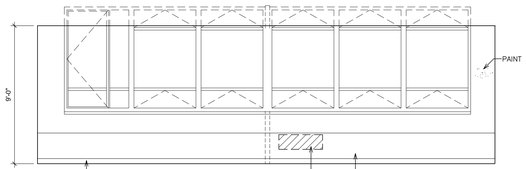
ELEVATION- 1

A INTERIOR ELEVATIONS - CLASSROOM 9
SCALE: 1/4" = 1'-0"

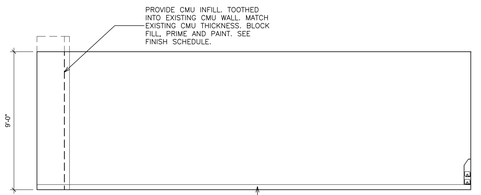
B INTERIOR ELEVATIONS - CLASSROOM 8
SCALE: 1/4" = 1'-0"



ELEVATION- 1



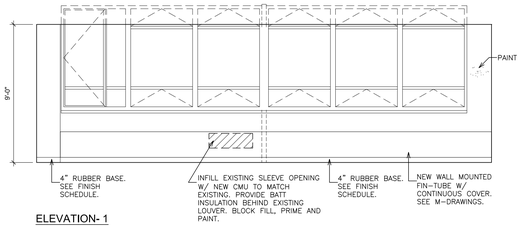
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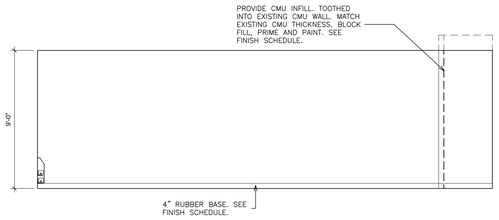
ELEVATION- 4

C INTERIOR ELEVATIONS - CLASSROOM 7
SCALE: 1/4" = 1'-0"

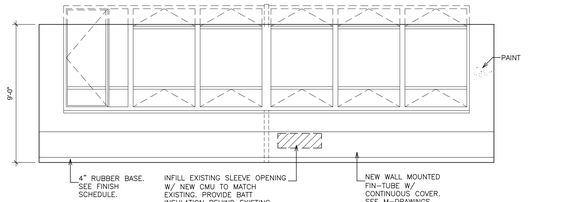
D INTERIOR ELEVATIONS - CLASSROOM 6
SCALE: 1/4" = 1'-0"



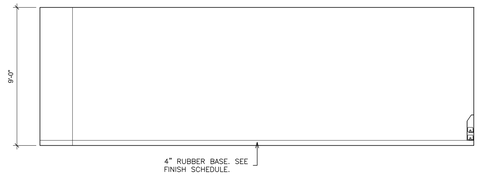
ELEVATION- 1



ELEVATION- 2



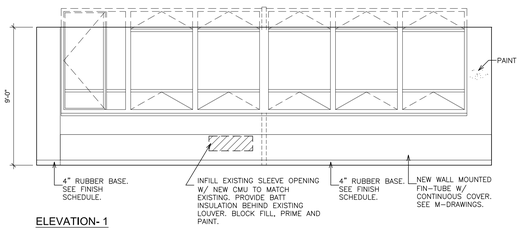
ELEVATION- 1



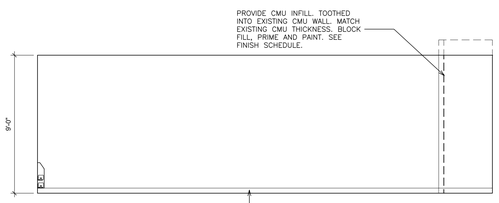
ELEVATION- 4

E INTERIOR ELEVATIONS - CLASSROOM 5
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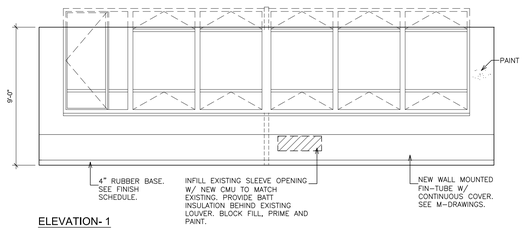
F INTERIOR ELEVATIONS - CLASSROOM 4
SCALE: 1/4" = 1'-0"



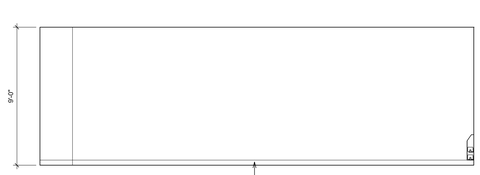
ELEVATION- 1



ELEVATION- 2



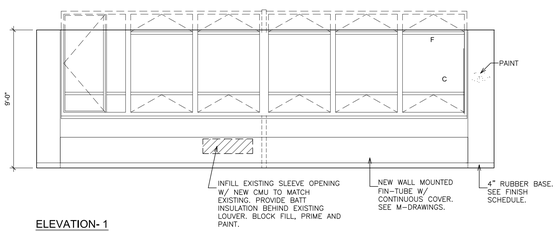
ELEVATION- 1



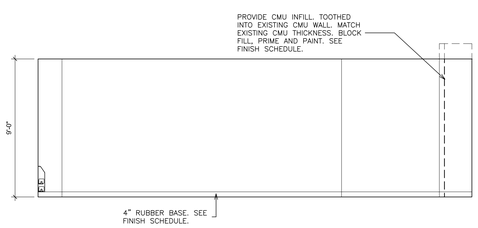
ELEVATION- 4

G INTERIOR ELEVATIONS - CLASSROOM 3
SCALE: 1/4" = 1'-0"

H INTERIOR ELEVATIONS - CLASSROOM 2
SCALE: 1/4" = 1'-0"



ELEVATION- 1



ELEVATION- 2

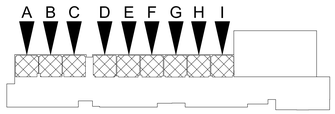
I INTERIOR ELEVATIONS - CLASSROOM 1
SCALE: 1/4" = 1'-0"

LEGEND

36308C
1002*
- WIDTH
- HEIGHT
- TYPE
- DESIGN #(LSI)

NOTE:
CABINET MODEL NUMBERS INDICATED WITH AN ASTERISK(*) ARE TO BE MODIFIED UNITS. CABINET MODEL NUMBERS ARE BASED ON LSI CASEWORK

AC	ACOUSTICAL PARTITION	PTA-A	PASS-THRU DEMO ASSEMBLY-ACCESSIBLE
BC	BASE CABINET	PWS	PERIMETER WORK STATION
BL	BLIND CABINET	REF	REFRIGERATOR
BS	BASE OPEN SHELVES	RG	RANGE
C	CLOCK	SA	ACCESSIBLE SINK
CC	CORNER CASE	SB	SINK BASE
CKBD	CHALKBOARD	SB-A	SINK BASE-ACCESIBLE
CS	COMPUTER WORKSTATION	SS-A	SAFETY STATION-- ACCESSIBLE
CP	CONTROL PANEL	SW	STUDENT WARDROBE
DR	DRAWER CABINET	TKBD	TACK BOARD
DW	DISHWASHER	TC	TALL CABINET
EXH	EXHAUST HOOD	TDT	TEACHER'S DEMONSTRATION TABLE
F.B.C.	FIRE BLANKET CABINET	WHBD	WHITEBOARD
F.E.	FIRE EXTINGUISHER	TS	TALL SHELVES
IW	ISLAND WORK GROUP	TW	TEACHERS WARDROBE
LPB	LABORATORY PEG BOARD	UC	UPPER CASE CABINET
LF	LATERAL FILE	VFCU	VERTICAL FAN COIL UNIT
MICR	MICROWAVE	WC	WALL CABINET
MKBD	MARKER BOARD	WK-A	WORKSTATION-ACCESIBLE
OC	OPEN CABINET	WS	WALL OPEN SHELVES
PS	PRINTER STATION		



KEY PLAN
SCALE N.T.S.

LOWER FLOOR PLAN

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S.E.D. CONTROL NUMBER:
66-23-00-01-0-032-010

YPS JOB # 10876

PROJECT TITLE
YONKERS SCHOOL DISTRICT
PHASE 1 OF 3 FOR WINDOWS, MASONRY, INTERIOR IMPROVEMENTS & SITE WORK
AT PS 32 ELEMENTARY SCHOOL
1 MONTCLAIR PLACE, YONKERS, NY 10710

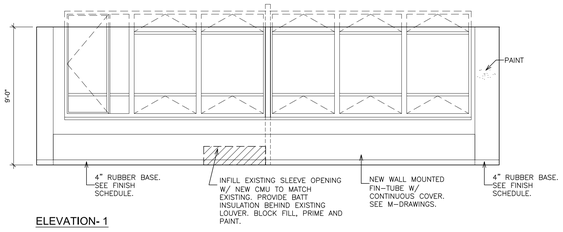
DRAWING TITLE
INTERIOR ELEVATIONS - LOWER FLOOR

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12-22-2023	BID
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06-01-2020	100% D.D. SUBMISSION
05-01-2020	50% D.D. SUBMISSION

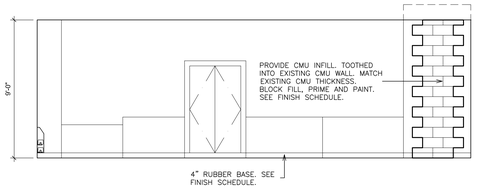
SHEET SIZE 30"x42"
DRAWING NO. A152
SCALE AS NOTED
DRAWN BY F & D
FILE NO. 19360.01

PLOT DATE: December 21, 2023 - 9:16am

FILE: I:\19360.00 Yonkers PS 32 Windows Masonry and Site\DRAWINGS\CURRENT\1-F&D\PS 32 Phase 1 HVAC\19360.01-A152 153 154.dwg



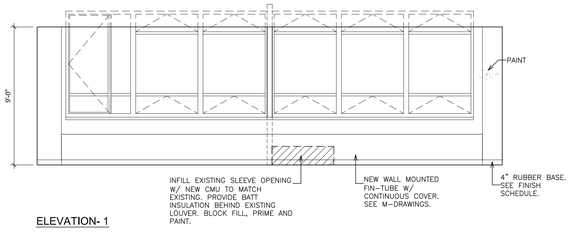
ELEVATION- 1



ELEVATION- 2

J INTERIOR ELEVATIONS - CLASSROOM 118

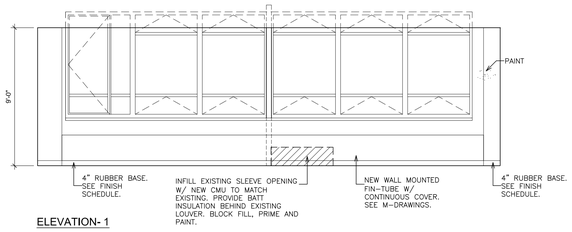
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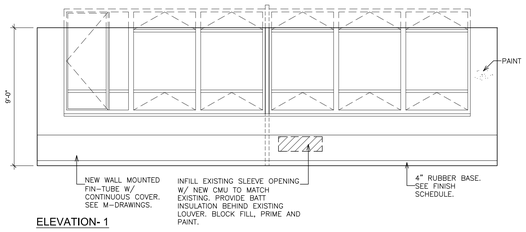
ELEVATION- 1

K INTERIOR ELEVATIONS - CLASSROOM 116

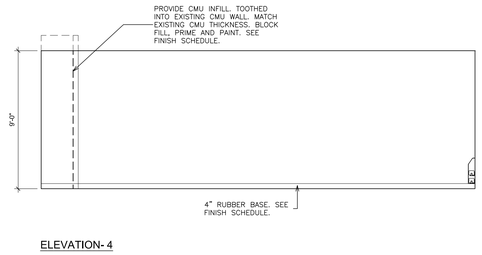
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ELEVATION- 1



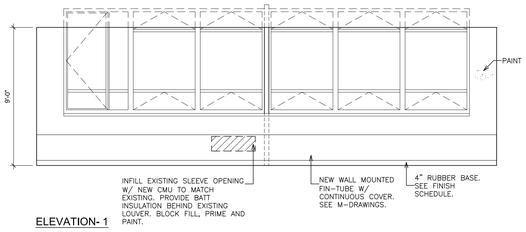
ELEVATION- 1



ELEVATION- 4

L INTERIOR ELEVATIONS - CLASSROOM 114

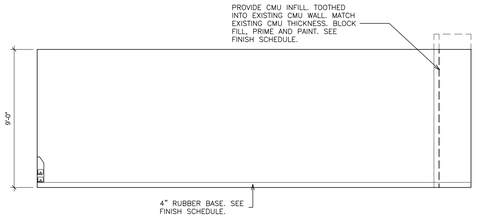
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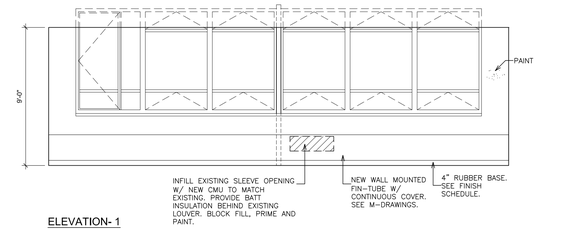
ELEVATION- 1

M INTERIOR ELEVATIONS - CLASSROOM 112

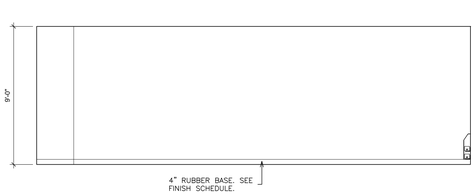
SCALE: 1/4" = 1'-0"



ELEVATION- 2



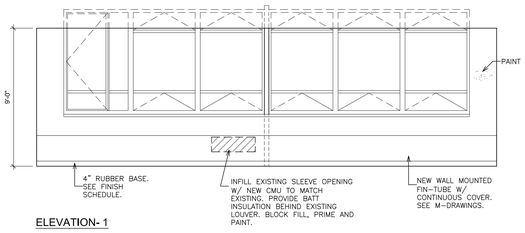
ELEVATION- 1



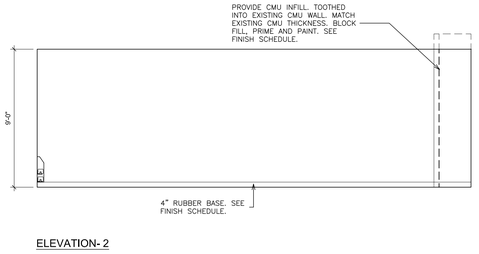
ELEVATION- 4

N INTERIOR ELEVATIONS - CLASSROOM 110

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



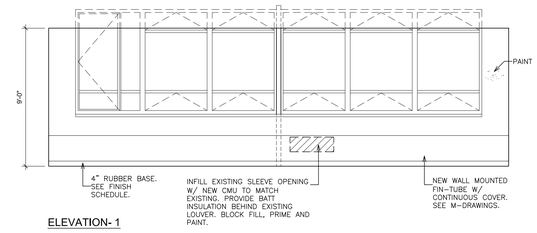
ELEVATION- 1



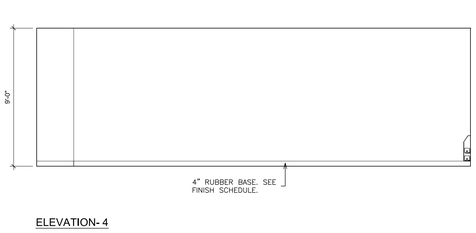
ELEVATION- 2

O INTERIOR ELEVATIONS - CLASSROOM 108

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



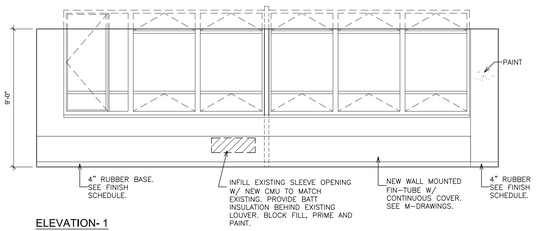
ELEVATION- 1



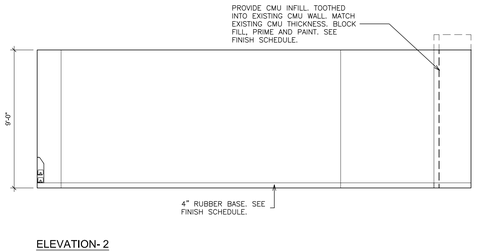
ELEVATION- 4

P INTERIOR ELEVATIONS - CLASSROOM 106

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



ELEVATION- 1



ELEVATION- 2

R INTERIOR ELEVATIONS - CLASSROOM 102

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

Q INTERIOR ELEVATIONS - CLASSROOM 104

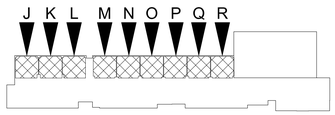
SCALE: 1/4" = 1'-0"

LEGEND

WIDTH
HEIGHT
TYPE
3630BC
1002*
DESIGN #(LSI)

NOTE:
CABINET MODEL NUMBERS INDICATED WITH AN ASTERISK(*) ARE TO BE MODIFIED UNITS. CABINET MODEL NUMBERS ARE BASED ON LSI CASEWORK

AC	ACOUSTICAL PARTITION	PTA-A	PASS-THRU DEMO ASSEMBLY-ACCESSIBLE
BC	BASE CABINET	PWS	PERIMETER WORK STATION
BL	BLIND CABINET	REF	REFRIGERATOR
BS	BASE OPEN SHELVES	RG	RANGE
C	CLOCK	SA	ACCESSIBLE SINK
CC	CORNER CASE	SB	SINK BASE
CKBD	CHALKBOARD	SB-A	SINK BASE-ACCESIBLE
CS	COMPUTER WORKSTATION	SS-A	SAFETY STATION- ACCESSIBLE
CP	CONTROL PANEL	SW	STUDENT WARDROBE
DR	DRAWER CABINET	TKBD	TACK BOARD
DW	DISHWASHER	TC	TALL CABINET
EXH	EXHAUST HOOD	TDT	TEACHER'S DEMONSTRATION TABLE
F.B.C.	FIRE BLANKET CABINET	WHBD	WHITEBOARD
F.E.	FIRE EXTINGUISHER	TS	TALL SHELVES
IW	ISLAND WORK GROUP	TW	TEACHERS WARDROBE
LPB	LABORATORY PEG BOARD	UC	UPPER CASE CABINET
LF	LATERAL FILE	VFCU	VERTICAL FAN COIL UNIT
MICR	MICROWAVE	WC	WALL CABINET
MKBD	MARKER BOARD	WK-A	WORKSTATION-ACCESIBLE
OC	OPEN CABINET	WS	WALL OPEN SHELVES
PS	PRINTER STATION		



KEY PLAN
SCALE N.T.S.

UPPER FLOOR PLAN

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FULLER D'ANGELO P.C. ARCHITECTS PLANNERS
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S.E.D. CONTROL NUMBER:

66-23-00-01-0-032-010

YPS JOB # 10876

PROJECT:
YONKERS SCHOOL DISTRICT
PHASE 1 OF 3 FOR WINDOWS, MASONRY, INTERIOR IMPROVEMENTS & SITE WORK
AT SCHOOL NO. 32
1 MONTCLAIR PLACE, YONKERS, NY 10710

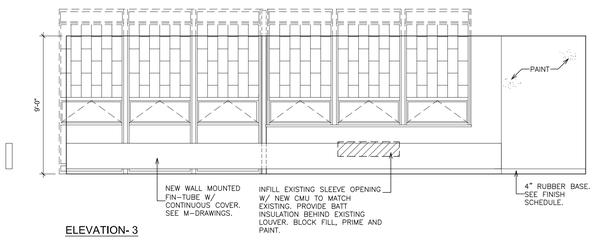
DRAWING TITLE:
INTERIOR ELEVATIONS - UPPER FLOOR

DATE	ISSUED TO
12-22-2023	BID
11-06-2020	100% C.D. SUBMISSION
06-01-2020	100% D.D. SUBMISSION
05-01-2020	50% D.D. SUBMISSION

SHEET SIZE: 30"x42"
DRAWING NO.: A153
SCALE: AS NOTED
DRAWN BY: F & D
FILE NO.: 19360.01

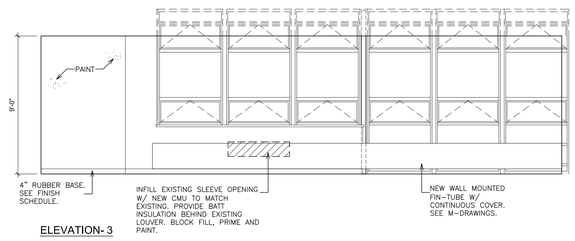
PLOT DATE: December 21, 2023 - 9:16am

FILE: I:\19360.00 Yonkers PS 32 Windows Masonry and Site\DRAWINGS\CURRENT\1-F&D\PS 32 Phase 1 HVAC\19360.01-A152 153 154.dwg



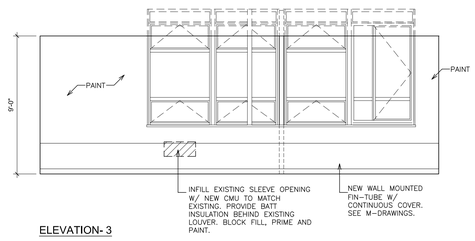
ELEVATION- 3

S INTERIOR ELEVATIONS - CLASSROOM 101
SCALE: 1/4" = 1'-0"



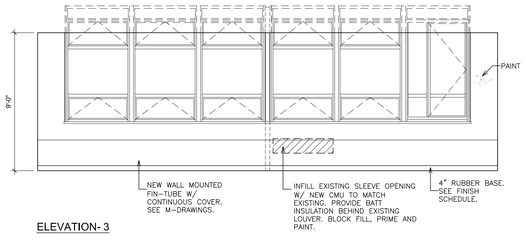
ELEVATION- 3

T INTERIOR ELEVATIONS - CLASSROOM 103
SCALE: 1/4" = 1'-0"



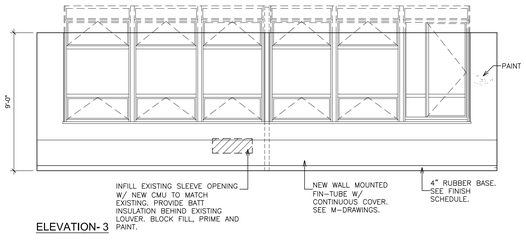
ELEVATION- 3

U INTERIOR ELEVATIONS - CLASSROOM 105
SCALE: 1/4" = 1'-0"



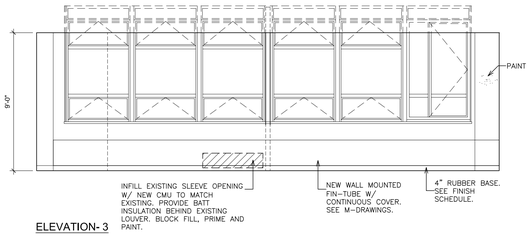
ELEVATION- 3

V INTERIOR ELEVATIONS - CLASSROOM 107
SCALE: 1/4" = 1'-0"



ELEVATION- 3

W INTERIOR ELEVATIONS - CLASSROOM 111
SCALE: 1/4" = 1'-0"



ELEVATION- 3

X INTERIOR ELEVATIONS - CLASSROOM 113
SCALE: 1/4" = 1'-0"

ELEVATION- 3

Y INTERIOR ELEVATIONS - CLASSROOM 115
SCALE: 1/4" = 1'-0"

ELEVATION- 3

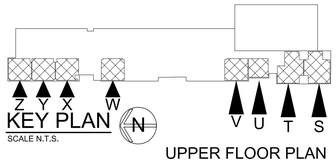
Z INTERIOR ELEVATIONS - CLASSROOM 117
SCALE: 1/4" = 1'-0"

LEGEND

36X96C
1002*
- WIDTH
- HEIGHT
- TYPE
- DESIGN #(LSI)

NOTE:
CABINET MODEL NUMBERS INDICATED WITH AN ASTERISK(*) ARE TO BE MODIFIED UNITS. CABINET MODEL NUMBERS ARE BASED ON LSI CASEWORK

AC	ACOUSTICAL PARTITION	PTA-A	PASS-THRU DEMO ASSEMBLY-ACCESSIBLE
BC	BASE CABINET	PWS	PERIMETER WORK STATION
BL	BLIND CABINET	REF	REFRIGERATOR
BS	BASE OPEN SHELVES	RG	RANGE
C	CLOCK	SA	ACCESSIBLE SINK
CC	CORNER CASE	SB	SINK BASE
CKBD	CHALKBOARD	SB-A	SINK BASE-ACCESIBLE
CS	COMPUTER WORKSTATION	SS-A	SAFETY STATION-- ACCESSIBLE
CP	CONTROL PANEL	SW	STUDENT WARDROBE
DR	DRAWER CABINET	TKBD	TACK BOARD
DW	DISHWASHER	TC	TALL CABINET
EXH	EXHAUST HOOD	TDT	TEACHER'S DEMONSTRATION TABLE
F.B.C.	FIRE BLANKET CABINET	WHBD	WHITEBOARD
F.E.	FIRE EXTINGUISHER	TS	TALL SHELVES
IW	ISLAND WORK GROUP	TW	TEACHERS WARDROBE
LPB	LABORATORY PEG BOARD	UC	UPPER CASE CABINET
LF	LATERAL FILE	VFCU	VERTICAL FAN COIL UNIT
MICR	MICROWAVE	WC	WALL CABINET
MKBD	MARKER BOARD	WK-A	WORKSTATION-ACCESIBLE
OC	OPEN CABINET	WS	WALL OPEN SHELVES
PS	PRINTER STATION		



KEY PLAN
SCALE N.T.S.

UPPER FLOOR PLAN

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FULLER D'ANGELO P.C. ARCHITECTS PLANNERS
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TEL. 914.592.2444 FAX 914.592.1717
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S.E.D. CONTROL NUMBER:
66-23-00-01-0-032-010

YPS JOB # 10876

PROJECT TITLE
YONKERS SCHOOL DISTRICT
PHASE 1 OF 3 FOR WINDOWS, MASONRY, INTERIOR IMPROVEMENTS & SITE WORK
AT SCHOOL 32
1 MONTCLAIR PLACE, YONKERS, NY 10710

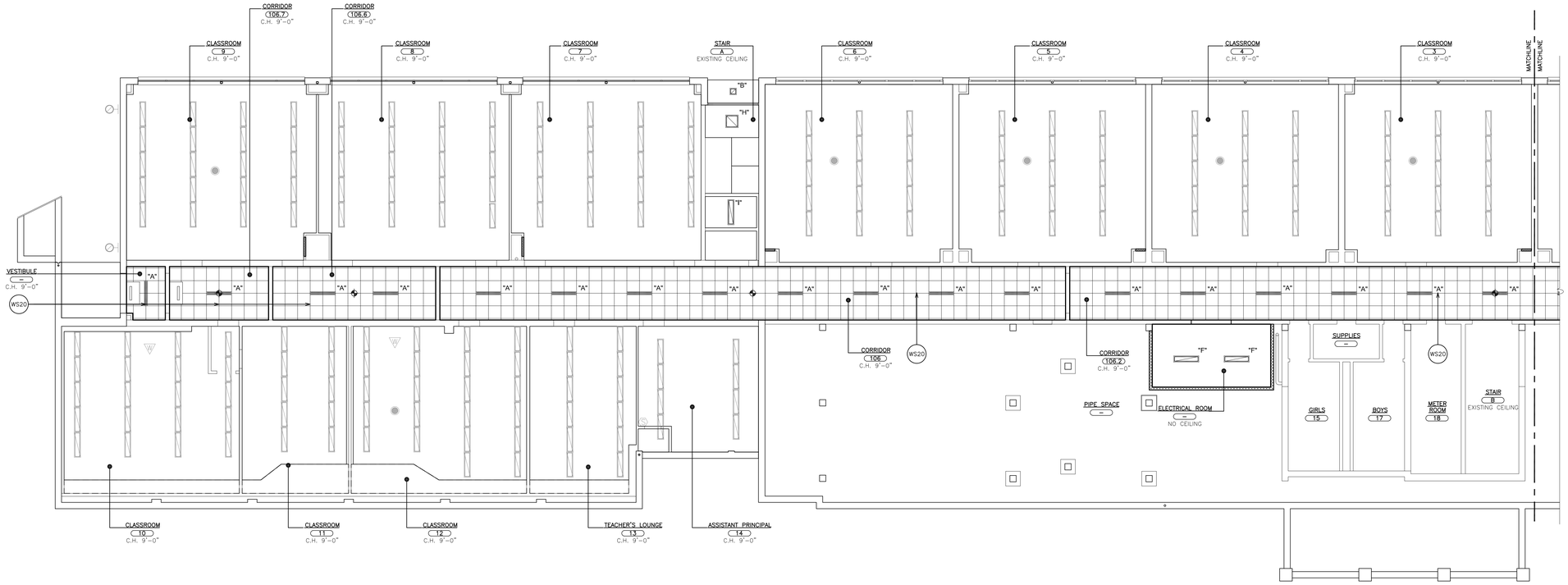
DRAWING TITLE
INTERIOR ELEVATIONS - UPPER FLOOR

DATE	ISSUED TO
12-22-2023	BID
11-06-2020	100% C.D. SUBMISSION
06-01-2020	100% D.D. SUBMISSION
05-01-2020	50% D.D. SUBMISSION

SHEET SIZE 30"x42"
DRAWING NO. A154
SCALE AS NOTED
DRAWN BY F & D
FILE NO. 19360.01

PLOT DATE: December 21, 2023 - 9:15am

FILE: I:\19360.00 Yonkers PS 32 Windows Masonry and Site\DRAWINGS\CURRENT\1-F&D\PS 32 Phase 1 HVAC\19360.01-A152 153 154.dwg



1 LOWER FLOOR REFLECTED CEILING PLAN
SCALE: 1/8" = 1'-0"

0 2' 4' 8' 16' 32'

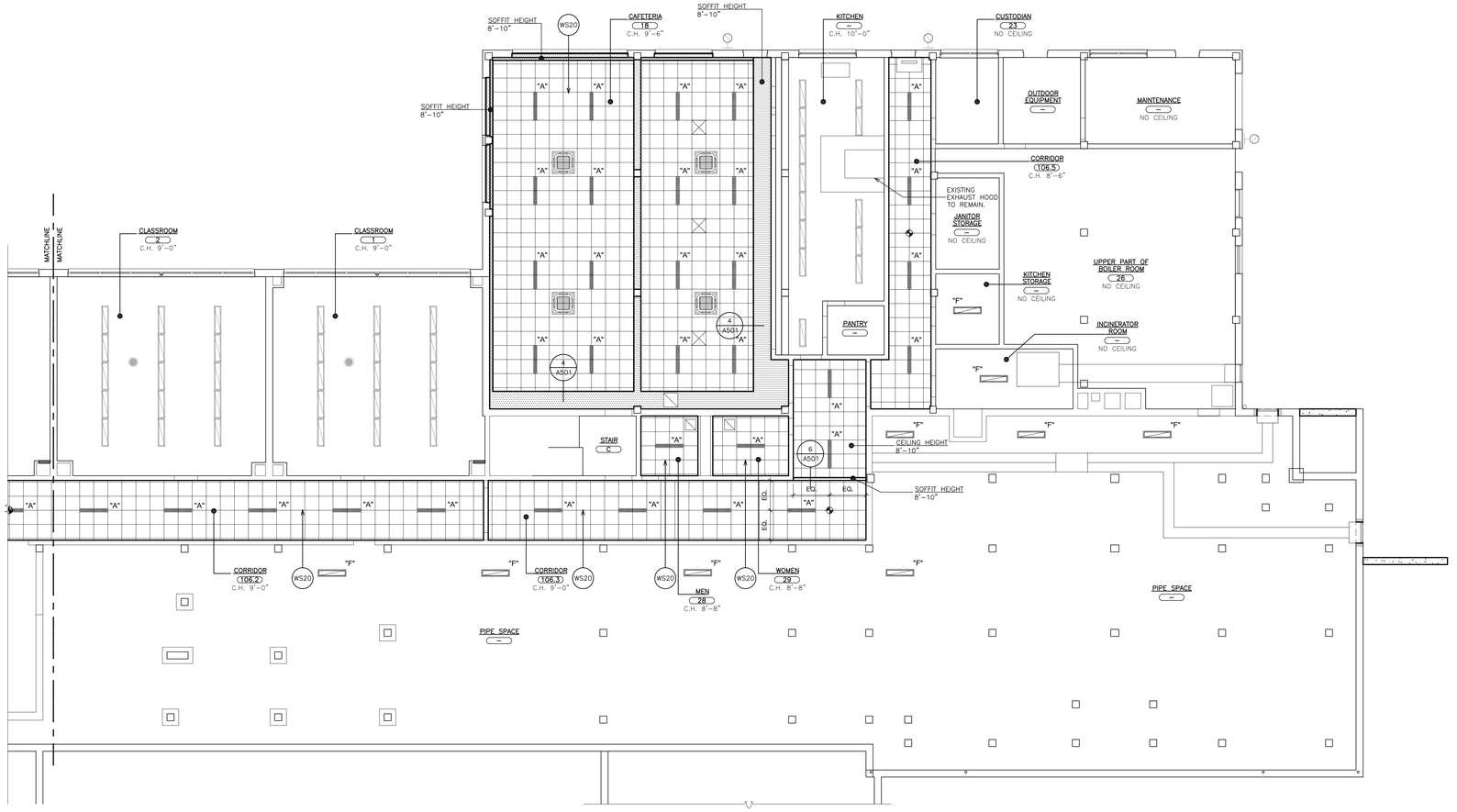
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WORKSCOPE NOTES:

- WS1 INFILL EXISTING SLEEVE OPENING W/ NEW CMU TO MATCH EXISTING. PROVIDE BATT INSULATION BEHIND EXISTING LOUVER. BLOCK FILL, PRIME AND PAINT.
- WS2 NOT USED.
- WS3 PROVIDE HOLLOW METAL DOOR FRAME AND DOOR. SEE DOOR SCHEDULE.
- WS4 PROVIDE AND WELD CLOSURE PLATES AT HINGE & STRIKE LOCATIONS, GRIND ALL WELDS SMOOTH, PRIME & PAINT ENTIRE FRAME. INSTALL NEW DOOR AND HARDWARE INTO EXISTING FRAME. SEE DOOR SCHEDULE.
- WS5 REMOVE EXISTING HARDWARE MOUNTED ON EXISTING FRP DOORS AND FRAME FOR INSTALLATION OF NEW ACCESS CONTROL HARDWARE. PROVIDE AND INSTALL NEW CARD READERS, DOOR CONTACTS, ELECTRIC STRIKE & ACCESS CONTROL SYSTEM. RUN ALL NEW WIRING WITH-IN EXISTING ALUMINUM DOOR FRAMES. SEE HARDWARE SCHEDULE AND SECURITY DRAWINGS FOR HARDWARE AND ADDITIONAL INFORMATION.
- WS6 PROVIDE FLOOR FINISH. SEE FINISH SCHEDULE AND FINISH PLANS.
- WS7 NOT USED.
- WS8 NOT USED.
- WS9 NOT USED.
- WS10 NOT USED.
- WS11 INFILL EXISTING LOUVER OPENING W/ NEW BRICK (COLOR, BOND PATTERN AND TOOLING TO MATCH EXISTING ADJACENT TOOTH INTO SURROUNDING BRICKS), RIGID INSULATION, AIR/MOISTURE BARRIER, CMU AND JOINT REINFORCEMENT.
- WS12 NOT USED.
- WS13 NOT USED.
- WS14 INSTALL NEW ALUMINUM LOUVER W/ BIRD, INSECT SCREEN AND INSULATED BLANK-OFF PANEL AND BRACKETS. EXTEND, MODIFY AND RECONNECT TO EXISTING AND OR NEW DUCTWORK. SEE LOUVER DETAILS.
- WS15 SCRAPE, WIRE BRUSH, PRIME AND PAINT EXISTING STEEL LINTEL. COLOR TO MATCH BRICK.
- WS16 PROVIDE NEW ACOUSTICAL CEILING PANELS IN EXISTING GRID CUT AS REQUIRED. PROVIDE WALL ANGLES AND RUNNERS SUPPORTS AS REQUIRED.
- WS17 NOT USED.
- WS18 NOT USED.
- WS19 NOT USED.
- WS20 PROVIDE SUSPENDED ACOUSTICAL CEILING SYSTEM & ALL RELATED ITEMS. ELECTRICAL CONTRACTOR TO PROVIDE NEW LIGHT FIXTURES & CEILING MOUNTED DEVICES. COORDINATE INSTALLATION. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION. SEE DETAILS A501.
- WS21 INSTALL NEW GALVANIZED STEEL LINTEL ANGLE WITH MIN. 8" BEARING EACH SIDE. PROVIDE SELF ADHERED MEMBRANE FLASHING, WEEP HOLES, REINSTALL EXISTING STONE. SEE DETAIL.
- WS22 PROVIDE NEW LED EXTERIOR LIGHT FIXTURES. SEE ELECTRICAL DRAWINGS.
- WS23 PROVIDE 5" REINFORCED CONCRETE SLAB W/ 12" WIDE x 12" DEEP HAUNCH AT EDGES. REINFORCED W/ #4 @ 16" O.C. EACH WAY OVER REINFORCED VAPOR BARRIER (TAPE & SEAL ALL JOINTS), 6" GRAVEL BASE AND COMPACTED EXISTING SUB-SOIL. SEE DETAIL 8/A500.
- WS24 PROVIDE CMU PARTITION / INFILL, TOOTHED INTO EXISTING CMU WALL. MATCH EXISTING CMU THICKNESS. BLOCK FILL, PRIME AND PAINT.
- WS25 SAW-CUT EXISTING CMU JOINT TO INSTALL LINTEL PRIOR TO WALL REMOVAL. INSTALL NEW STEEL LINTEL & RETURN AIR GRILLE. WORK IN MANNER THAT PROVIDES CONTINUOUS SUPPORT OF MASONRY ABOVE. SEE DETAIL 12/A500.
- WS26 NOT USED.
- WS27 PATCH DISTURBED CERAMIC TILE TO MATCH EXISTING ADJACENT TILE.
- WS28 EXCAVATE DOWN AND PROVIDE NEW REINFORCED CONCRETE 10"x24" GRADE BEAM (WITH (2) #5 EPOXY COATED REINFORCING @ 12" O.C. & #3 TIES @ 12" O.C.) TIE INTO EXISTING CONCRETE PIERS WITH 12" EPOXY COATED DOWELS WITH A EMBEDMENT OF 6" INTO PIERS.

CEILING LEGEND

- 6"x4' RECESSED MOUNTED LIGHT FIXTURE
- 1'x1' SURFACE MOUNTED LIGHT FIXTURE.
- WALL MOUNTED LIGHT FIXTURE.
- WALL MOUNTED AREA LIGHT FIXTURE
- SURFACE MOUNTED LIGHT FIXTURE
- SECURITY CAMERA
- MOTION SENSOR
- GYPSUM BOARD OR SOFFIT
- FIRE ALARM SMOKE DETECTOR
- HEAT DETECTOR
- CEILING SPEAKER
- OS OCCUPANCY SENSOR
- CEILING REGISTER. SIZE VARIES. SEE MECHANICAL DRAWINGS.
- CEILING DIFFUSER. SIZE VARIES. SEE MECHANICAL DRAWINGS.
- CEILING MOUNTED EXIT SIGN W/ DIRECTIONAL ARROW
- WALL MOUNTED EXIT SIGN W/ DIRECTIONAL ARROW
- 2'x2' OR 2'x4' ACOUSTICAL CEILING TILE AND SUSPENSION SYSTEM
- CEILING GRID STARTING POINT
- EXIT SIGN WITH EMERGENCY LIGHTS
- WIRELESS INTERNET HUB



1 LOWER FLOOR REFLECTED CEILING PLAN cont.
SCALE: 1/8" = 1'-0"

0 2' 4' 8' 16' 32'

N

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WWW.FULLERDANGELO.COM
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S.E.D. CONTROL NUMBER:
66-23-00-01-0-032-010

YPS JOB # 10876

PROJECT TITLE
YONKERS SCHOOL DISTRICT
PHASE 1 OF 3 FOR WINDOWS, MASONRY, INTERIOR IMPROVEMENTS & SITE WORK
AT PUBLIC SCHOOL 32
1 MONTCLAIR PLACE, YONKERS, NY 10710

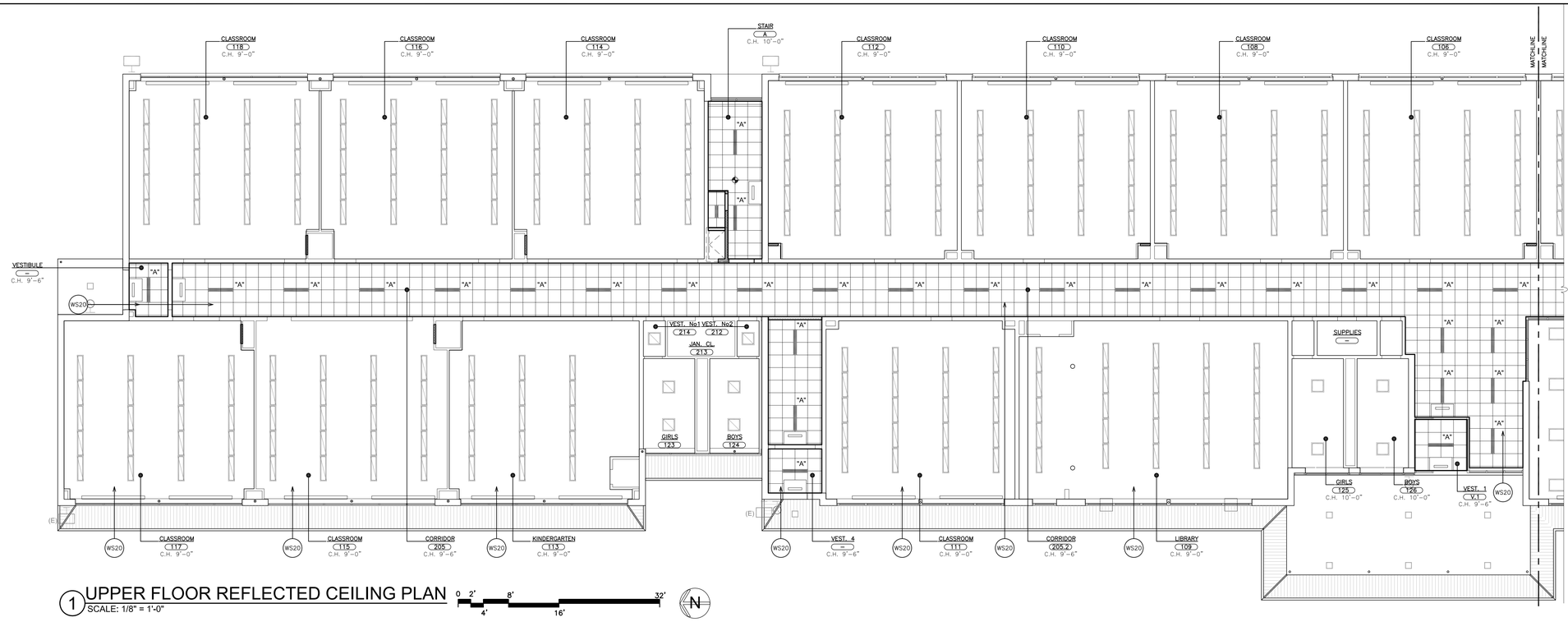
DRAWING TITLE
LOWER FLOOR
REFLECTED CEILING PLAN

DATE	ISSUED TO
12-22-2023	BID
11-06-2020	100% C.D. SUBMISSION
06-01-2020	100% D.D. SUBMISSION
05-01-2020	50% D.D. SUBMISSION

SHEET SIZE 30"x42"
DRAWING NO. A200
SCALE AS NOTED
DRAWN BY F & D
FILE NO. 19360.01

PLOT DATE: December 21, 2023 - 9:59am

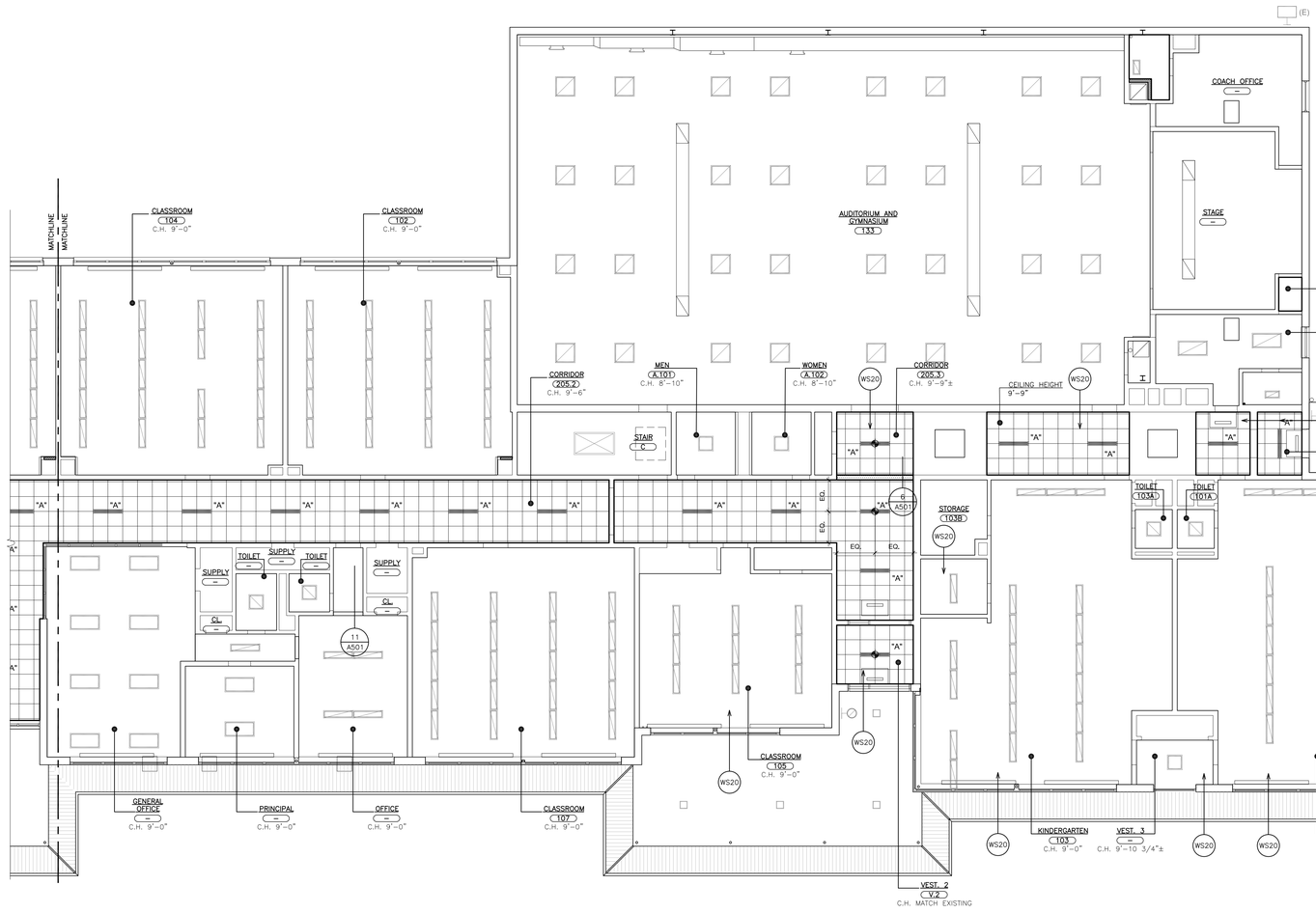
FILE: I:\19360.00 Yonkers PS 32 Windows Masonry and Site\DRAWINGS\CURRENT\1-F&D\PS 32 Phase 1 HVAC\19360.01-A200.dwg



1 UPPER FLOOR REFLECTED CEILING PLAN
SCALE: 1/8" = 1'-0"

0 2' 4' 8' 16' 32'

N



1 UPPER FLOOR REFLECTED CEILING PLAN cont.
SCALE: 1/8" = 1'-0"

0 2' 4' 8' 16' 32'

N

WORKSCOPE NOTES:

- WS1 INFILL EXISTING SLEEVE OPENING W/ NEW CMU TO MATCH EXISTING. PROVIDE BATT INSULATION BEHIND EXISTING LOUVER. BLOCK FILL, PRIME AND PAINT.
- WS2 NOT USED.
- WS3 PROVIDE HOLLOW METAL DOOR FRAME AND DOOR. SEE DOOR SCHEDULE.
- WS4 PROVIDE AND WELD CLOSURE PLATES AT HINGE & STRIKE LOCATIONS, GRIND ALL WELDS SMOOTH, PRIME & PAINT ENTIRE FRAME. INSTALL NEW DOOR AND HARDWARE INTO EXISTING FRAME. SEE DOOR SCHEDULE.
- WS5 REMOVE EXISTING HARDWARE MOUNTED ON EXISTING FRP DOORS AND FRAME FOR INSTALLATION OF NEW ACCESS CONTROL HARDWARE. PROVIDE AND INSTALL NEW CARD READERS, DOOR CONTACTS, ELECTRIC STRIKE & ACCESS CONTROL SYSTEM. RUN ALL NEW WIRING WITH-IN EXISTING ALUMINUM DOOR FRAMES. SEE HARDWARE SCHEDULE AND SECURITY DRAWINGS FOR HARDWARE AND ADDITIONAL INFORMATION.
- WS6 PROVIDE FLOOR FINISH. SEE FINISH SCHEDULE AND FINISH PLANS.
- WS7 NOT USED.
- WS8 NOT USED.
- WS9 NOT USED.
- WS10 NOT USED.
- WS11 INFILL EXISTING LOUVER OPENING W/ NEW BRICK (COLOR, BOND PATTERN AND TOOLING TO MATCH EXISTING ADJACENT TOOTH INTO SURROUNDING BRICKS), RIGID INSULATION, AIR/MOISTURE BARRIER, CMU AND JOINT REINFORCEMENT.
- WS12 NOT USED.
- WS13 NOT USED.
- WS14 INSTALL NEW ALUMINUM LOUVER W/ BIRD, INSECT SCREEN AND INSULATED BLANK-OFF PANEL AND BRACKETS. EXTEND, MODIFY AND RECONNECT TO EXISTING AND OR NEW DUCTWORK. SEE LOUVER DETAILS.
- WS15 SCRAPE, WIRE BRUSH, PRIME AND PAINT EXISTING STEEL LINTEL. COLOR TO MATCH BRICK.
- WS16 PROVIDE NEW ACOUSTICAL CEILING PANELS IN EXISTING GRID CUT AS REQUIRED. PROVIDE WALL ANGLES AND RUNNERS SUPPORTS AS REQUIRED.
- WS17 NOT USED.
- WS18 NOT USED.
- WS19 NOT USED.
- WS20 PROVIDE SUSPENDED ACOUSTICAL CEILING SYSTEM & ALL RELATED ITEMS. ELECTRICAL CONTRACTOR TO PROVIDE NEW LIGHT FIXTURES & CEILING MOUNTED DEVICES. COORDINATE INSTALLATION. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION. SEE DETAILS A501.
- WS21 INSTALL NEW GALVANIZED STEEL LINTEL ANGLE WITH MIN. 8" BEARING EACH SIDE. PROVIDE SELF ADHERED MEMBRANE FLASHING, WEEP HOLES, REINSTALL EXISTING STONE. SEE DETAIL.
- WS22 PROVIDE NEW LED EXTERIOR LIGHT FIXTURES. SEE ELECTRICAL DRAWINGS.
- WS23 PROVIDE 5" REINFORCED CONCRETE SLAB W/ 12" WIDE x 12" DEEP HAUNCH AT EDGES. REINFORCED W/ #4 @ 16" O.C. EACH WAY OVER REINFORCED VAPOR BARRIER (TAPE & SEAL ALL JOINTS), 6" GRAVEL BASE AND COMPACTED EXISTING SUB-SOIL. SEE DETAIL 8/A500.
- WS24 PROVIDE CMU PARTITION / INFILL, TOOTHED INTO EXISTING CMU WALL. MATCH EXISTING CMU THICKNESS. BLOCK FILL, PRIME AND PAINT.
- WS25 SAW-CUT EXISTING CMU JOINT TO INSTALL LINTEL PRIOR TO WALL REMOVAL. INSTALL NEW STEEL LINTEL & RETURN AIR GRILLE. WORK IN MANNER THAT PROVIDES CONTINUOUS SUPPORT OF MASONRY ABOVE. SEE DETAIL 12/A500.
- WS26 NOT USED.
- WS27 PATCH DISTURBED CERAMIC TILE TO MATCH EXISTING ADJACENT TILE.
- WS28 EXCAVATE DOWN AND PROVIDE NEW REINFORCED CONCRETE 10"x24" GRADE BEAM (WITH (2) #5 EPOXY COATED REINFORCING @ 12" O.C. & #3 TIES @ 12" O.C.) TIE INTO EXISTING CONCRETE PIERS WITH 12" EPOXY COATED DOWELS WITH A EMBEDMENT OF 6" INTO PIERS.

CEILING LEGEND

- 6"x4' RECESSED MOUNTED LIGHT FIXTURE
- 1'x1' SURFACE MOUNTED LIGHT FIXTURE.
- WALL MOUNTED LIGHT FIXTURE.
- WALL MOUNTED AREA LIGHT FIXTURE
- SURFACE MOUNTED LIGHT FIXTURE
- SECURITY CAMERA
- MOTION SENSOR
- GYPSUM BOARD OR SOFFIT
- FIRE ALARM SMOKE DETECTOR
- HEAT DETECTOR
- CEILING SPEAKER
- OS OCCUPANCY SENSOR
- CEILING REGISTER. SIZE VARIES. SEE MECHANICAL DRAWINGS.
- CEILING DIFFUSER. SIZE VARIES. SEE MECHANICAL DRAWINGS.
- CEILING MOUNTED EXIT SIGN W/ DIRECTIONAL ARROW
- WALL MOUNTED EXIT SIGN W/ DIRECTIONAL ARROW
- 2'x2' OR 2'x4' ACOUSTICAL CEILING TILE AND SUSPENSION SYSTEM
- CEILING GRID STARTING POINT
- EXIT SIGN WITH EMERGENCY LIGHTS
- WIRELESS INTERNET HUB

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S.E.D. CONTROL NUMBER:
66-23-00-01-0-032-010

YPS JOB # 10876

PROJECT TITLE
YONKERS SCHOOL DISTRICT
PHASE 1 OF 3 FOR WINDOWS, MASONRY, INTERIOR IMPROVEMENTS & SITE WORK AT PS 32
1 MONTCLAIR PLACE, YONKERS, NY 10710

DRAWING TITLE
UPPER FLOOR REFLECTED CEILING PLAN

DATE	ISSUED TO
12-22-2023	BID
11-06-2020	100% C.D. SUBMISSION
06-01-2020	100% D.D. SUBMISSION
05-01-2020	50% D.D. SUBMISSION

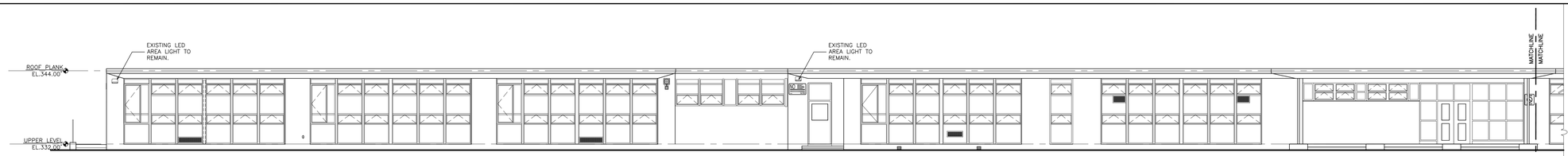
SHEET SIZE 30"x42"
DRAWING NO. A201
SCALE AS NOTED
DRAWN BY F & D
FILE NO. 19360.01

PLOT DATE: December 21, 2023 - 9:14am

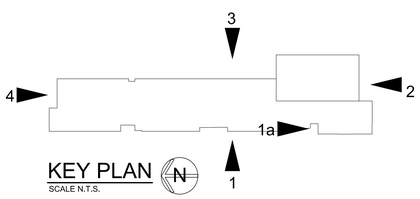
FILE: I:\19360.00 Yonkers PS 32 Windows Masonry and Site\DRAWINGS\CURRENT\1-F&D\PS 32 Phase 1 HVAC\19360.01-A201.dwg

WINDOW LEGEND

F.	FIXED WINDOW
PI.	PROJECT-IN WINDOWS
PO.	PROJECT-OUT WINDOWS
C.	CASEMENT WINDOW
L.	LOUVER
O.B.	OBSCURE GLASS
*	INDICATE SECURITY SCREENS. SEE DETAIL 4/A726.
(#)—	DETAIL KEY
IP.	INSULATED METAL PANEL
	LOUVER
WS	WORKSCOPE NOTES. SEE DWG. A100-A102.
R	REMOVAL NOTES. SEE DWG. AR100-AR101.
RESCUE WINDOW	RESCUE WINDOW. REFER TO DETAILS 1&2/A726.



1 ELEVATION
SCALE: 1/8" = 1'-0"

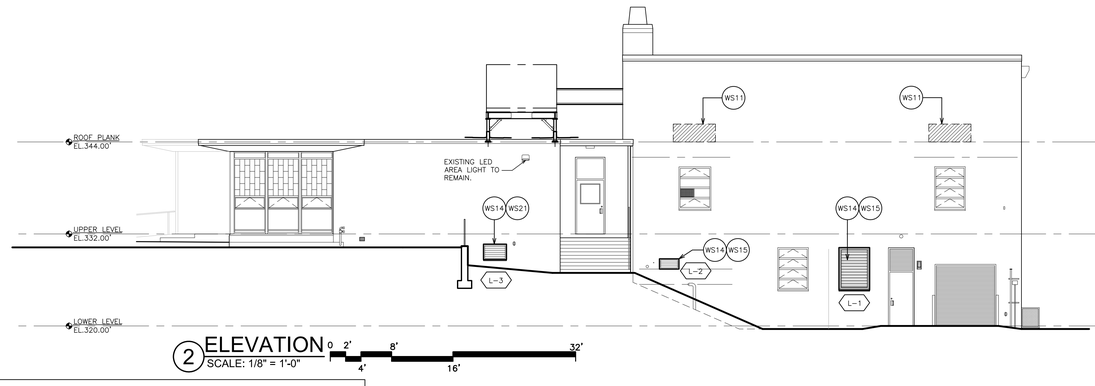


KEY PLAN
SCALE N.T.S.

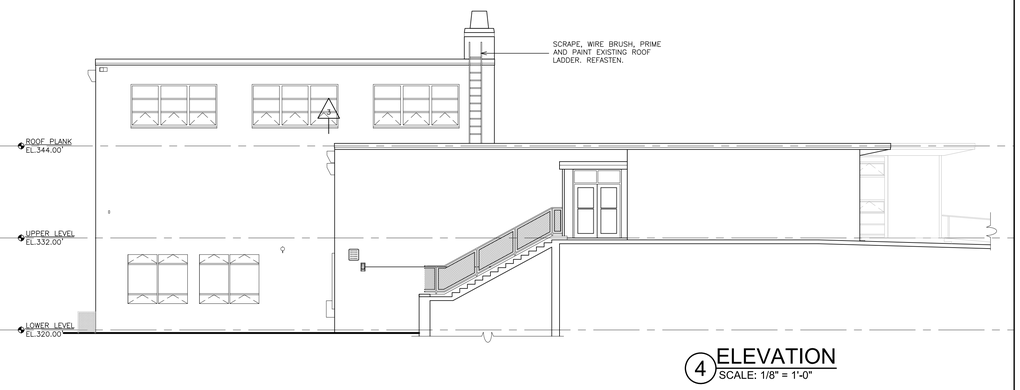


1a ELEVATION
SCALE: 1/8" = 1'-0"

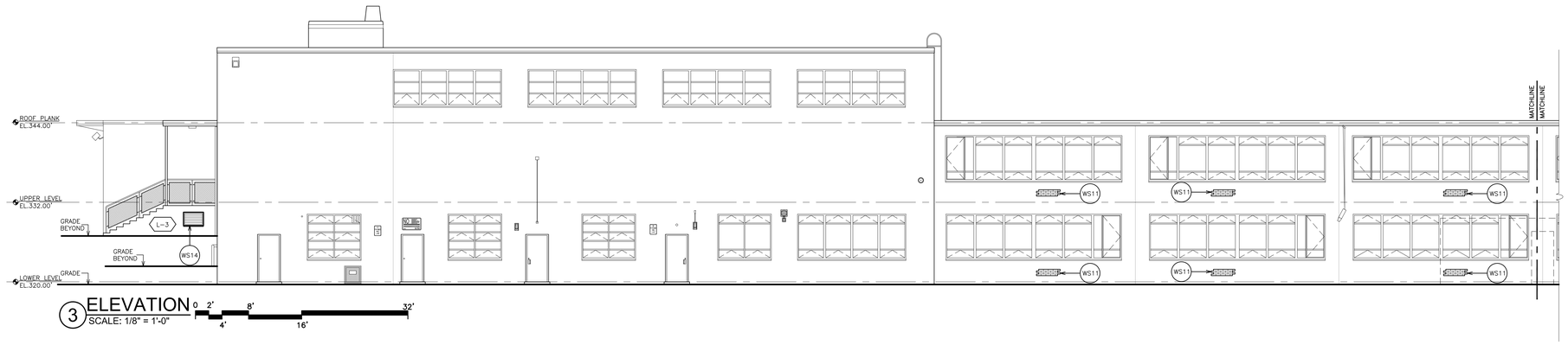
1 ELEVATION cont.
SCALE: 1/8" = 1'-0"



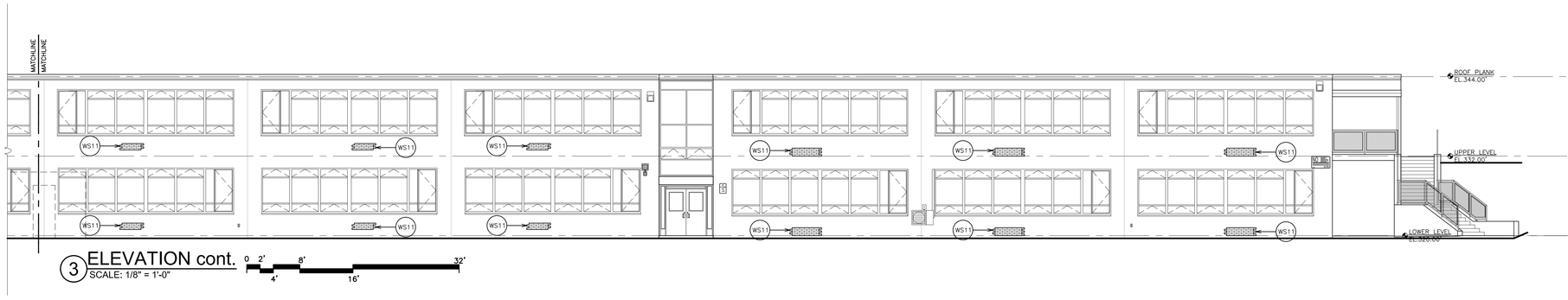
2 ELEVATION
SCALE: 1/8" = 1'-0"



4 ELEVATION
SCALE: 1/8" = 1'-0"



3 ELEVATION
SCALE: 1/8" = 1'-0"



3 ELEVATION cont.
SCALE: 1/8" = 1'-0"

WORKSCOPE NOTES:

- WS1 INFILL EXISTING SLEEVE OPENING W/ NEW CMU TO MATCH EXISTING. PROVIDE BATT INSULATION BEHIND EXISTING LOUVER. BLOCK FILL, PRIME AND PAINT.
- WS2 NOT USED.
- WS3 PROVIDE HOLLOW METAL DOOR FRAME AND DOOR. SEE DOOR SCHEDULE.
- WS4 PROVIDE AND WELD CLOSURE PLATES AT HINGE & STRIKE LOCATIONS, GRIND ALL WELDS SMOOTH, PRIME & PAINT ENTIRE FRAME. INSTALL NEW DOOR AND HARDWARE INTO EXISTING FRAME. SEE DOOR SCHEDULE.
- WS5 REMOVE EXISTING HARDWARE MOUNTED ON EXISTING FRP DOORS AND FRAME FOR INSTALLATION OF NEW ACCESS CONTROL HARDWARE. PROVIDE AND INSTALL NEW CARD READERS, DOOR CONTACTS, ELECTRIC STRIKE & ACCESS CONTROL SYSTEM. RUN ALL NEW WIRING WITH-IN EXISTING ALUMINUM DOOR FRAMES. SEE HARDWARE SCHEDULE AND SECURITY DRAWINGS FOR HARDWARE AND ADDITIONAL INFORMATION.
- WS6 PROVIDE FLOOR FINISH. SEE FINISH SCHEDULE AND FINISH PLANS.
- WS7 NOT USED.
- WS8 NOT USED.
- WS9 NOT USED.
- WS10 NOT USED.
- WS11 INFILL EXISTING LOUVER OPENING W/ NEW BRICK (COLOR, BOND PATTERN AND TOOLING TO MATCH EXISTING ADJACENT TOOTH INTO SURROUNDING BRICKS), RIGID INSULATION, AIR/MOISTURE BARRIER, CMU AND JOINT REINFORCEMENT.
- WS12 NOT USED.
- WS13 NOT USED.
- WS14 INSTALL NEW ALUMINUM LOUVER W/ BIRD, INSECT SCREEN AND INSULATED BLANK-OFF PANEL AND BRACKETS. EXTEND, MODIFY AND RECONNECT TO EXISTING AND OR NEW DUCTWORK. SEE LOUVER DETAILS.
- WS15 SCRAPE, WIRE BRUSH, PRIME AND PAINT EXISTING STEEL LINTEL. COLOR TO MATCH BRICK.
- WS16 PROVIDE NEW ACOUSTICAL CEILING PANELS IN EXISTING GRID CUT AS REQUIRED. PROVIDE WALL ANGLES AND RUNNERS SUPPORTS AS REQUIRED.
- WS17 NOT USED.
- WS18 NOT USED.
- WS19 NOT USED.
- WS20 PROVIDE SUSPENDED ACOUSTICAL CEILING SYSTEM & ALL RELATED ITEMS. ELECTRICAL CONTRACTOR TO PROVIDE NEW LIGHT FIXTURES & CEILING MOUNTED DEVICES. COORDINATE INSTALLATION. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION. SEE DETAILS A501.
- WS21 INSTALL NEW GALVANIZED STEEL LINTEL ANGLE WITH MIN. 8" BEARING EACH SIDE. PROVIDE SELF ADHERED MEMBRANE FLASHING, WEEP HOLES, REINSTALL EXISTING STONE. SEE DETAIL.
- WS22 PROVIDE NEW LED EXTERIOR LIGHT FIXTURES. SEE ELECTRICAL DRAWINGS.
- WS23 PROVIDE 5" REINFORCED CONCRETE SLAB W/ 12" WIDE x 12" DEEP HAUNCH AT EDGES. REINFORCED W/ #4 @ 16" O.C. EACH WAY OVER REINFORCED VAPOR BARRIER (TAPE & SEAL ALL JOINTS), 6" GRAVEL BASE AND COMPACTED EXISTING SUB-SOIL. SEE DETAIL 8/A500.
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S.E.D. CONTROL NUMBER:

66-23-00-01-0-032-010

YPS JOB # 10876

PROJECT TITLE
YONKERS SCHOOL DISTRICT
YONKERS PS 32 WINDOWS, MASONRY, INTERIOR IMPROVEMENTS & SITE WORK
PHASE 1 OF 3 FOR WINDOWS, MASONRY, INTERIOR IMPROVEMENTS & SITE WORK
AT 1 MONTCLAIR PLACE, YONKERS, NY 10710

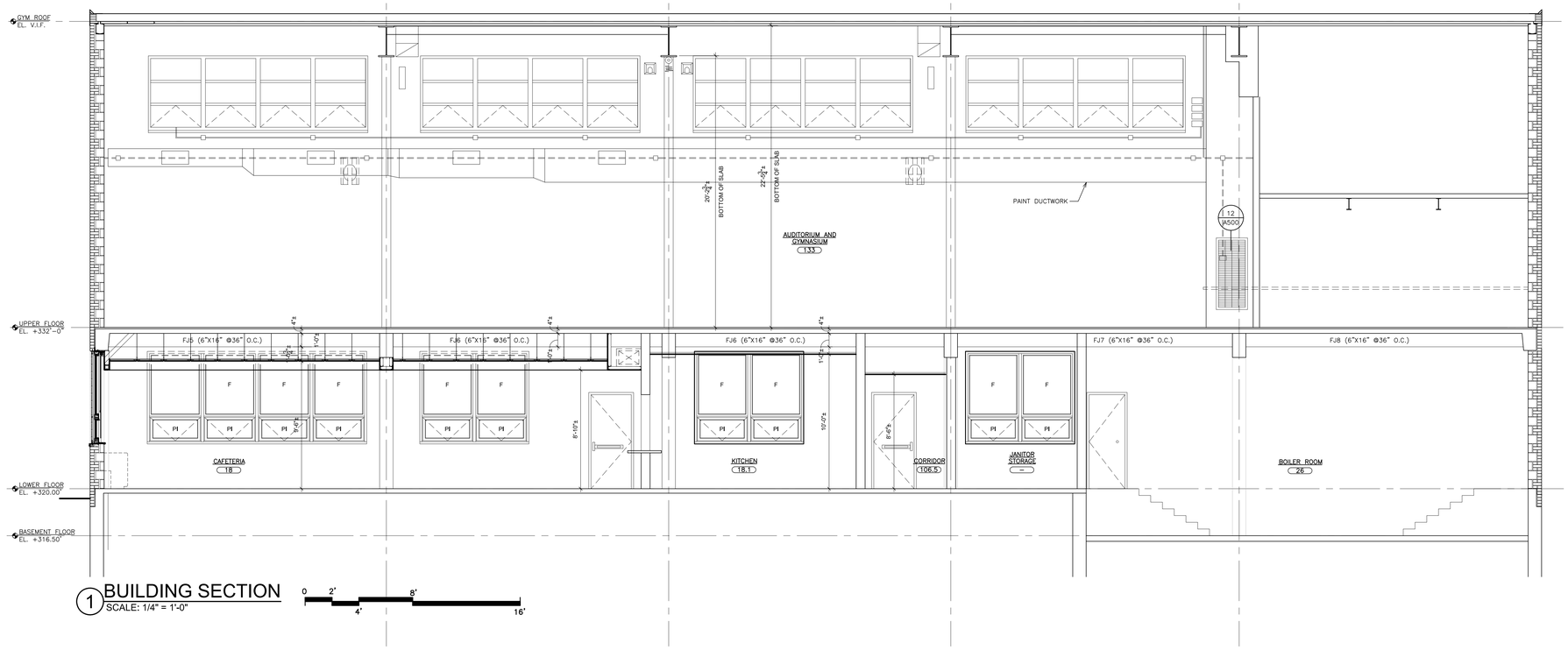
DRAWING TITLE
EXTERIOR ELEVATIONS

DATE	ISSUED TO
12-20-2022	SED ADDENDUM #3
12-22-2023	BID
11-06-2020	100% C.D. SUBMISSION
06-01-2020	100% D.D. SUBMISSION
05-01-2020	50% D.D. SUBMISSION

SHEET SIZE	30"x42"
SCALE	AS NOTED
DRAWN BY	F & D
DRAWING NO.	A300
FILE NO.	19360.01

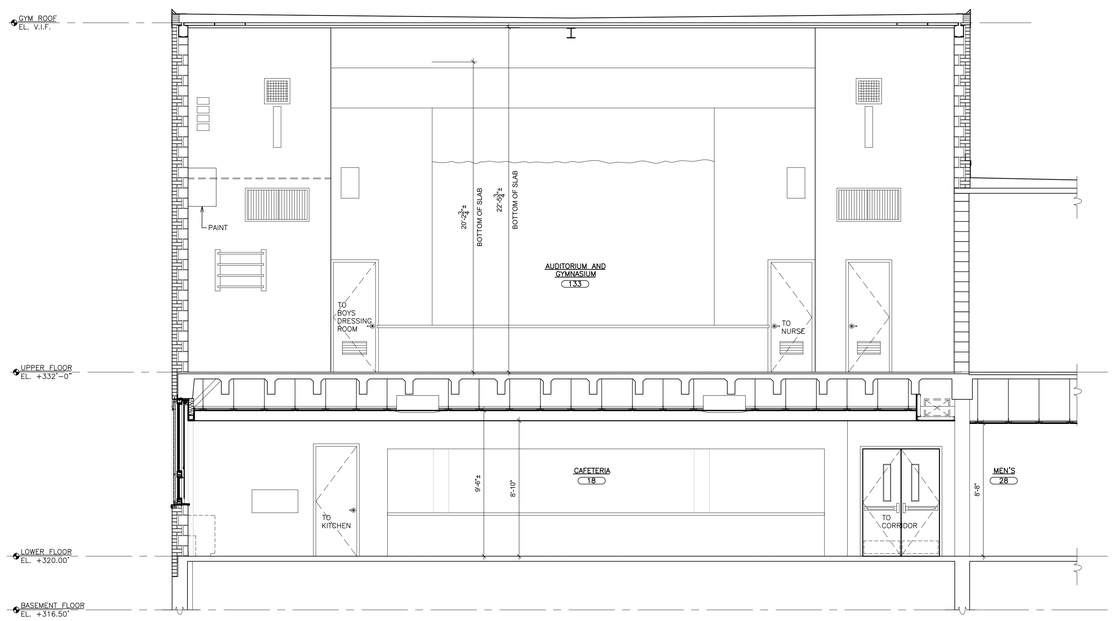
PLOT DATE: December 21, 2023 - 9:14am

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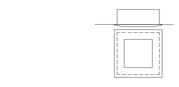
1 BUILDING SECTION
SCALE: 1/4" = 1'-0"

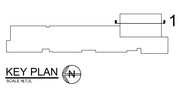
0 2' 4' 8' 16'



2 BUILDING SECTION
SCALE: 1/4" = 1'-0"

0 2' 4' 8' 16'





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S.E.D. CONTROL NUMBER:
66-23-00-01-0-032-010

YPS JOB # 10876

PROJECT TITLE
YONKERS CITY SCHOOL DISTRICT
PHASE 1 OF 3 FOR WINDOWS, MASONRY, INTERIOR IMPROVEMENTS & SITE WORK AT PUBLIC SCHOOL #32
1 MONTCLAIR PLACE, YONKERS, NY 10710

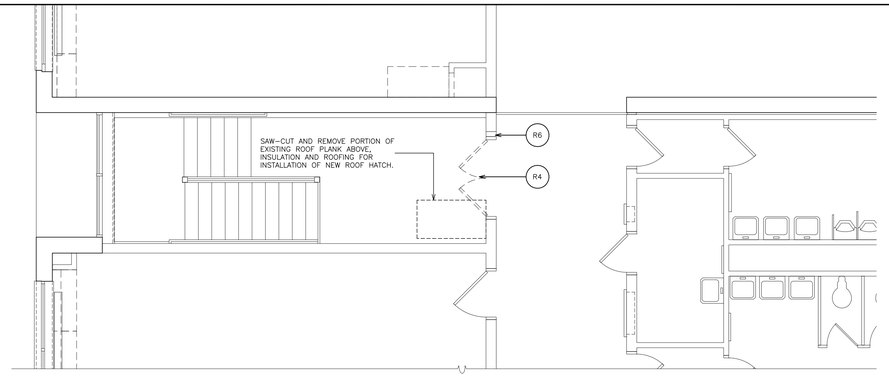
DRAWING TITLE
BUILDING SECTION

12-22-2023	BID
11-06-2020	100% C.D. SUBMISSION
06-01-2020	100% D.D. SUBMISSION
05-01-2020	50% D.D. SUBMISSION
DATE	ISSUED TO

SHEET SIZE 30"x42"
DRAWING NO. A400
SCALE AS NOTED
DRAWN BY F & D
FILE NO. 19360.01

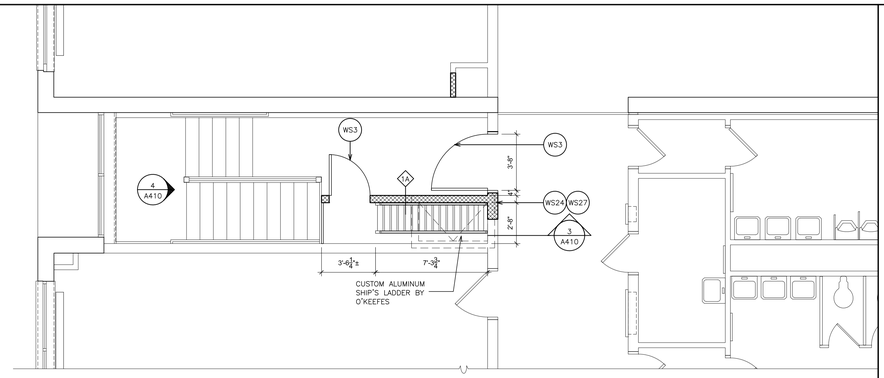
PLOT DATE: December 21, 2023 - 9:14am

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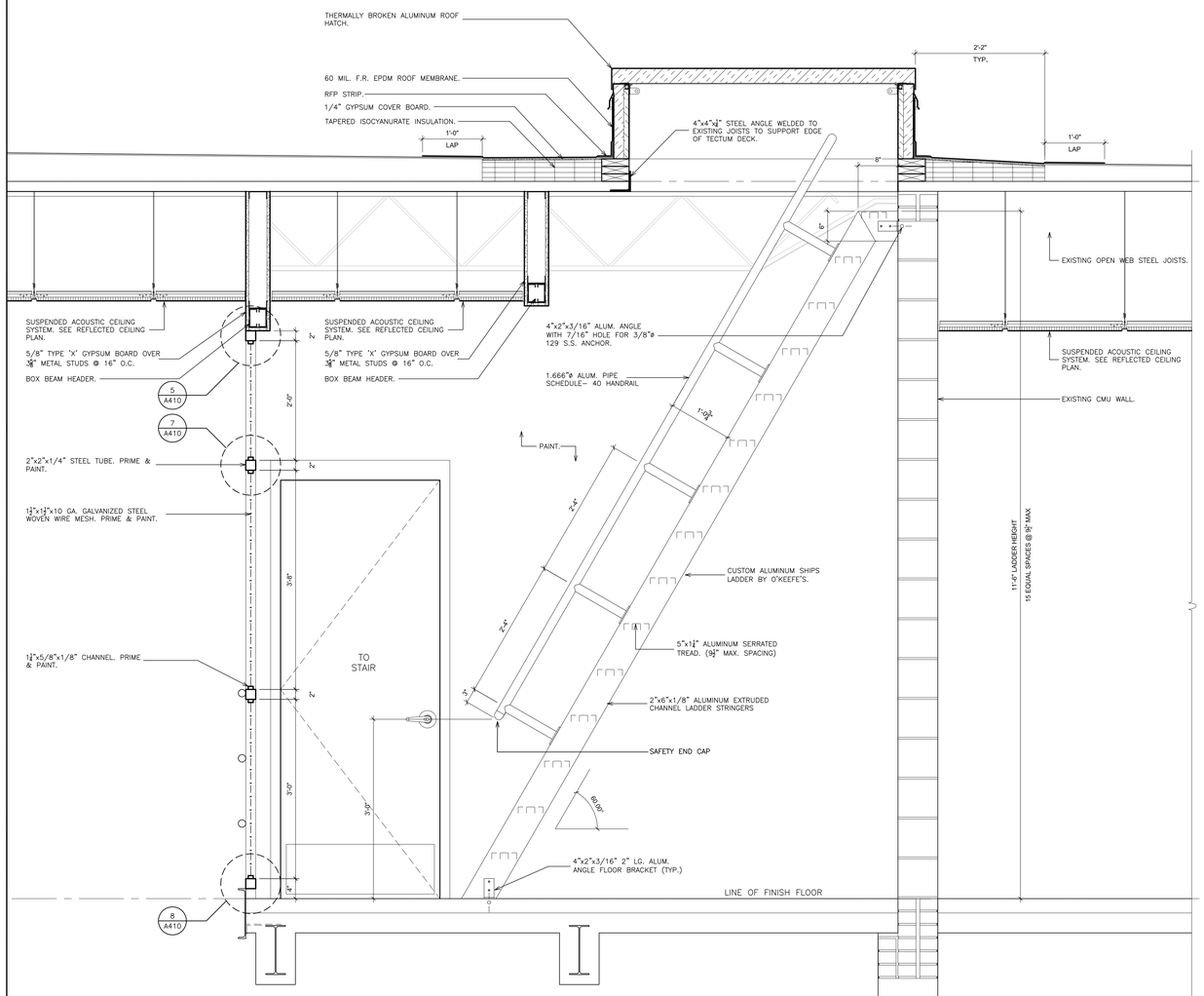
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SCALE: 1/4" = 1'-0"

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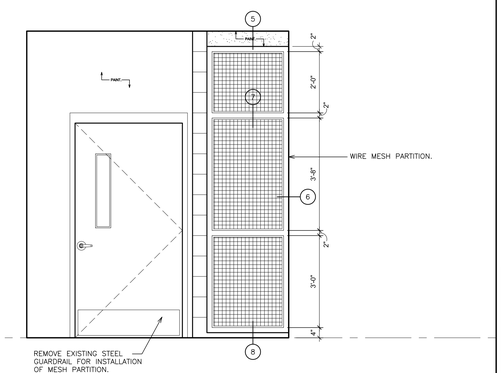


2 PARTIAL UPPER FLOOR PLAN
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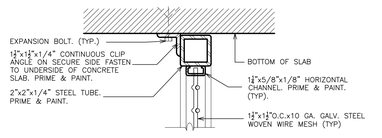
0 2' 4' 8' 16'



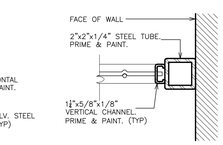
3 SHIPS LADDER SECTION
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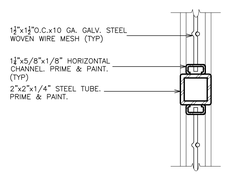
4 INTERIOR ELEVATION
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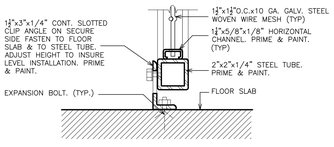
5 HEAD DETAIL
SCALE: 3" = 1'-0"



6 JAMB DETAIL
SCALE: 3" = 1'-0"



7 MULION DETAIL
SCALE: 3" = 1'-0"



8 SILL DETAIL
SCALE: 3" = 1'-0"

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S.E.D. CONTROL NUMBER:
66-23-00-01-0-032-010

YPS JOB # 10876

PROJECT TITLE
YONKERS SCHOOL DISTRICT
PHASE 1 OF 3 FOR WINDOWS, MASONRY, INTERIOR IMPROVEMENTS & SITE WORK AT PS 32
1 MONTCLAIR PLACE, YONKERS, NY 10710

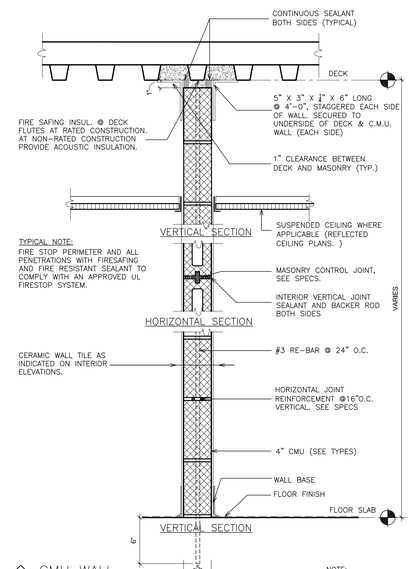
DRAWING TITLE
STAIR PLANS, STAIR SECTIONS, ELEVATION & DETAILS

DATE	ISSUED TO
12-22-2023	BID
11-06-2020	100% C.D. SUBMISSION
06-01-2020	100% D.D. SUBMISSION
05-01-2020	50% D.D. SUBMISSION

SHEET SIZE 30"x42"	DRAWING NO. A410
SCALE AS NOTED	
DRAWN BY F & D	FILE NO. 19360.01

PLOT DATE: December 21, 2023 - 9:19am

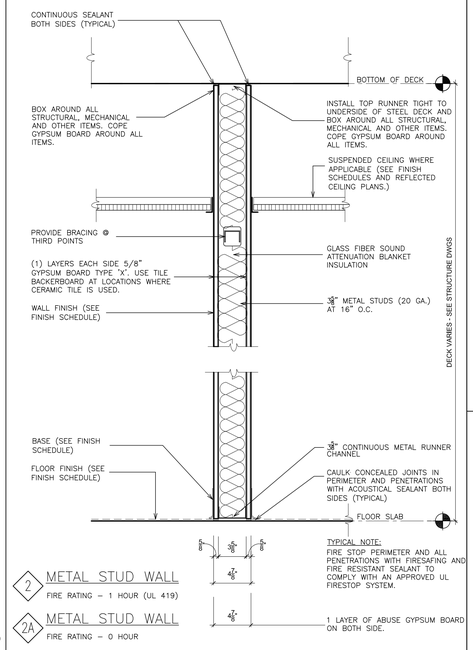
FILE: I:\19360.00 Yonkers PS 32 Windows Masonry and Site\DRAWINGS\CURRENT\1-F&D\PS 32 Phase 1 HVAC\19360.01-A410.dwg



1 CMU WALL
FIRE RATING- 0 HOUR

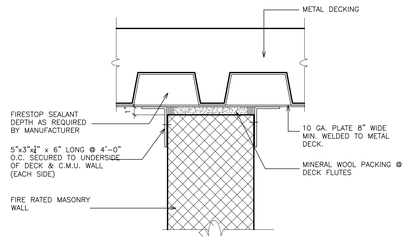
1A CMU WALL
FIRE RATING- 1 HOUR (U906)

NOTE:
INSTALL STEEL ANGLE LINTELS FOR PENETRATIONS THROUGH CONCRETE BLOCK WALL.
3½"x3½"x⅜" ANGLES FOR EVERY 4" OF MASONRY TO SUPPORT, FIRESTOP AND SEAL @ PERIMETER OF PENETRATION.
(NOTE: MAX. OPENING WITHOUT LINTEL-12" WIDTH, 12" HEIGHT.)

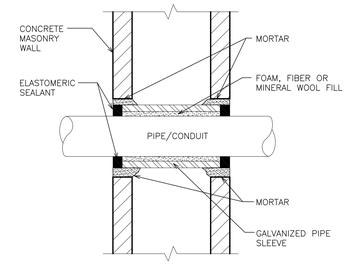


2 METAL STUD WALL
FIRE RATING – 1 HOUR (UL 419)

2A METAL STUD WALL
FIRE RATING – 0 HOUR

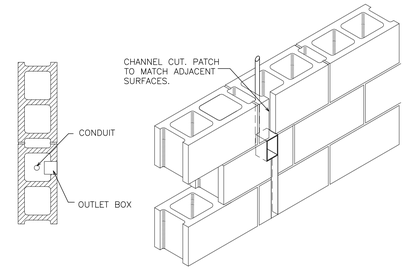


1 FIRE RATED JOINT DETAIL @ METAL/ MASONRY WALL
NOT TO SCALE



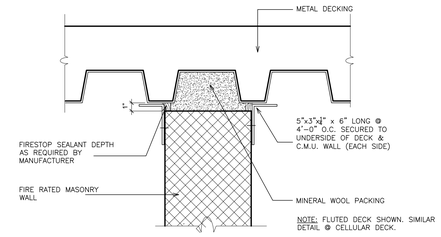
NOTE: AT FIRE RATED CONSTRUCTION, SEALANT & FILL MATERIAL SHALL HAVE A FIRE RATING EQUAL TO OR GREATER THAN CONSTRUCTION BEING PENETRATED

3 DETAIL- WALL PENETRATION
SCALE: N.T.S



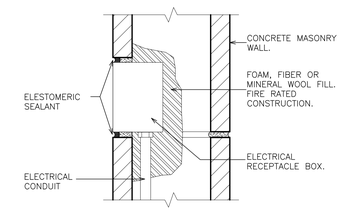
NOTE: STAGGER OUTLET BOXES ON EA. SIDE OF WALL

5 UTILITY BOXES
SCALE: N.T.S.

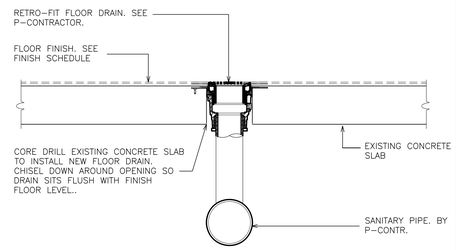


NOTE: FLUTED DECK SHOWN. SIMILAR DETAIL @ CELLULAR DECK.

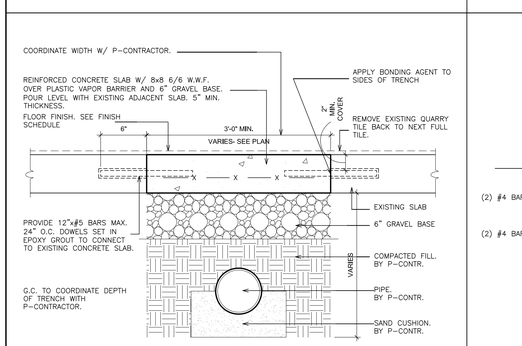
2 FIRE RATED JOINT DETAIL @ METAL/ MASONRY WALL
NOT TO SCALE



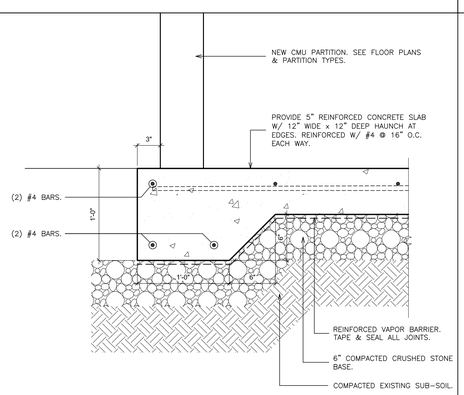
4 DETAIL- UTILITY BOX PENETRATION
SCALE: N.T.S.



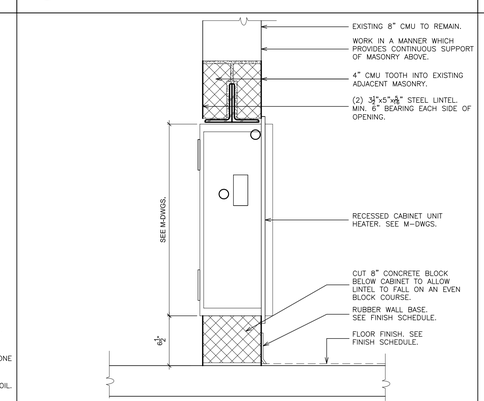
6 DETAIL - FLOOR DRAIN
SCALE: 1 1/2" = 1'-0"



7 DETAIL - TRENCH
SCALE: 1 1/2" = 1'-0"

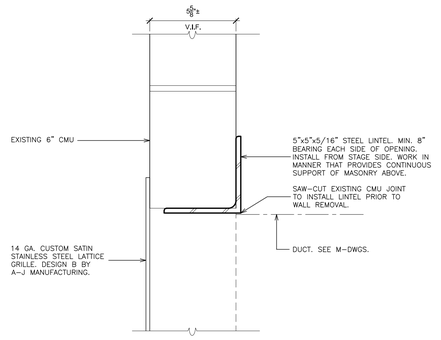


8 DETAIL - NEW SLAB
SCALE: 1 1/2" = 1'-0"



9 RECESSED CABINET UNIT HEATER
SCALE: 1 1/2" = 1'-0"

10 NOT USED
SCALE: 1 1/2" = 1'-0"



12 DETAIL- RETURN REGISTER
SCALE: 3"= 1'-0"

11 NOT USED
SCALE: 1 1/2" = 1'-0"

GENERAL NOTES: (ALL PARTITION TYPES)

1 REFER TO FINISH SCHEDULE FOR ALL FINISHES.
2 REFER TO A-500 FOR APPLICABLE DETAILS
3 TILE BACKER-BOARD TO BE USED WHERE C.T. IS USED ON STUD WALLS.
4 ALL NEW PARTITIONS SHOULD BE FULL HEIGHT AND SHALL BE SEALED TO RESIST THE PASSAGE OF SMOKE (UNLESS OTHERWISE NOTED)
5 ALL NEW PARTITIONS SHALL BE CONSTRUCTED USING TYPE "X" GYPSUM BOARD. (UNLESS OTHERWISE NOTED)
6 ALL INTERIOR GYPSUM BOARD PARTITIONS SHALL HAVE SOUND ATTENUATION INSULATION EQUAL TO METAL STUD THICKNESS FOR FULL HEIGHT (UNLESS OTHERWISE NOTED)
7 ALL FIRE RATED WALL ASSEMBLIES TO MEET THE FOLLOWING TEST REQUIREMENTS:
*ASTM E119- STANDARD TEST METHODS FOR FIRE TESTS OF BUILDING CONSTRUCTION AND MATERIALS.
*ASTM 84- STANDARD TEST METHOD FOR SURFACE BURNING CHARACTERISTICS OF BUILDING MATERIALS.
*ASTM 814- STANDARD TEST METHOD FOR FIRE TESTS OF THROUGH-PENETRATION FIRE STOPS.

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S.E.D. CONTROL NUMBER:
66-23-00-01-0-032-010

YPS JOB # 10876

PROJECT TITLE:
YONKERS CSD, SCHOOL DISTRICT
PHASE 1 OF 3 FOR WINDOWS, MASONRY, INTERIOR IMPROVEMENTS & SITE WORK
AT P.S. NO. 32
1 MONTCLAIR PLACE, YONKERS, NY 10710

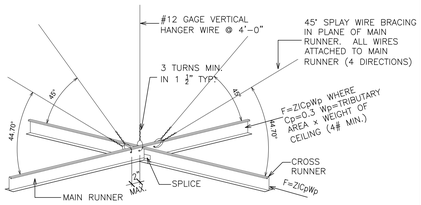
DRAWING TITLE:
PARTITION TYPES & MISCELLANEOUS DETAILS

DATE	ISSUED TO
12-22-2023	BID
11-06-2020	100% C.D. SUBMISSION
06-01-2020	100% D.D. SUBMISSION
05-01-2020	50% D.D. SUBMISSION

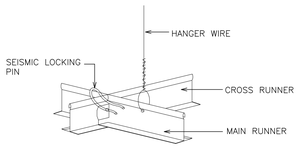
SHEET SIZE: 30"x42"
DRAWING NO.: A500
SCALE: AS NOTED
DRAWN BY: F & D
FILE NO.: 19360.01

PLOT DATE: December 21, 2023 - 9:11am

FILE: I:\19360.00 Yonkers PS 32 Windows Masonry and Site\DRAWINGS\CURRENT\1-F&D\PS 32 Phase 1 HVAC\19360.01-A500.dwg

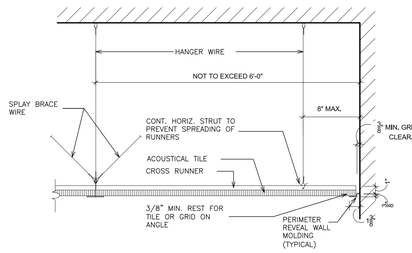


TYPICAL CEILING BRACING DETAIL

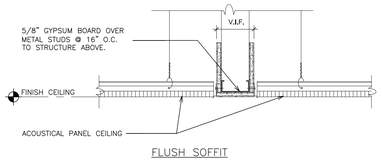


SPLICES AND INTERSECTIONS OF RUNNERS SHALL BE ATTACHED WITH MECHANICAL INTERLOCKING CONNECTORS SUCH AS POP RIVETS, SCREWS, PINS, PLATES WITH BENT TABS, OR OTHER APPROVED CONNECTORS. DESIGN CONNECTORS FOR 2x DESIGN LOAD OR ULTIMATE AXIAL TENSION OR COMPRESSION (MINIMUM 60 POUNDS)

LOCKING PIN DETAIL



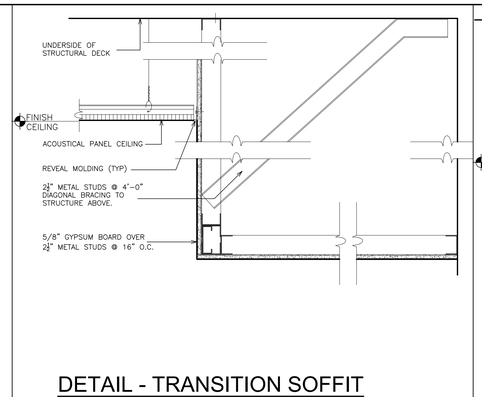
1 SEISMIC DETAIL @ ALL NEW SUSP. CEILINGS
SCALE: N.T.S.



FLUSH SOFFIT

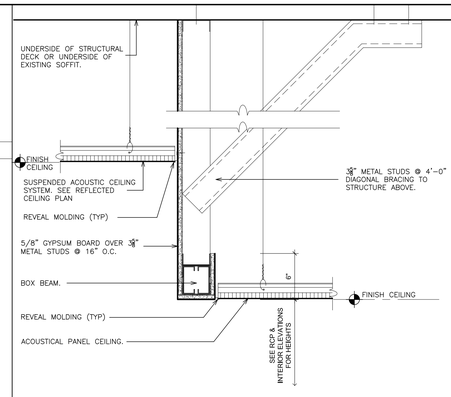
2 DETAIL - GRID TRANSITION SOFFIT
SCALE: 1 1/2" = 1'-0"

3 DETAIL - ACOUSTICAL CEILING TO DRYWALL SOFFIT
SCALE: 1 1/2" = 1'-0"

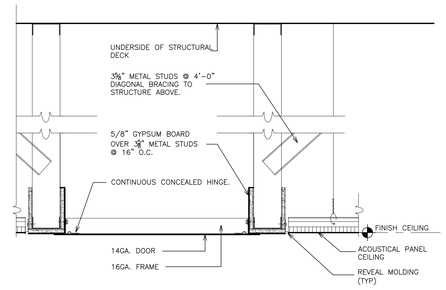


4 DETAIL - TRANSITION SOFFIT AND ACOUSTICAL CEILINGS
SCALE: 1 1/2" = 1'-0"

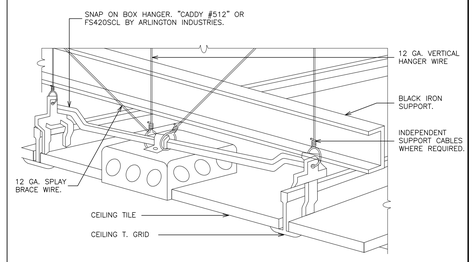
5 DETAIL - FLUSH DRYWALL PERIMETER ACOUSTICAL CEILING SYSTEM
SCALE: 3" = 1'-0"



6 DETAIL - DROPPED SOFFIT
SCALE: 1 1/2" = 1'-0"



7 DETAIL - ACCESS DOOR
SCALE: 1 1/2" = 1'-0"



NOTES:

1. FOR USE WITH NEW CEILING MOUNTED DEVICES (SMOKE DETECTORS, RECEPTACLES, SPEAKERS, FANS ETC.).
2. INDEPENDENT SUPPORT FROM BUILDING STRUCTURE REQUIRED FOR ITEMS EXCEEDING 20 LBS. AND FANS.

8 DETAIL - CEILING MOUNTED DEVICE
NOT TO SCALE

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S.E.D. CONTROL NUMBER:

66-23-00-01-0-032-010

YPS JOB # 10876

PROJECT TITLE
YONKERS CSD, SCHOOL DISTRICT
PHASE 1 OF 3 FOR WINDOWS, MASONRY, INTERIOR IMPROVEMENTS & SITE WORK
AT PS 32 - PS 32
1 MONTCLAIR PLACE, YONKERS, NY 10710

DRAWING TITLE
CEILING DETAILS, MISC. DETAILS & CASEWORK DETAILS

DATE	ISSUED TO
12-22-2023	BID
11-06-2020	100% C.D. SUBMISSION
06-01-2020	100% D.D. SUBMISSION
05-01-2020	50% D.D. SUBMISSION

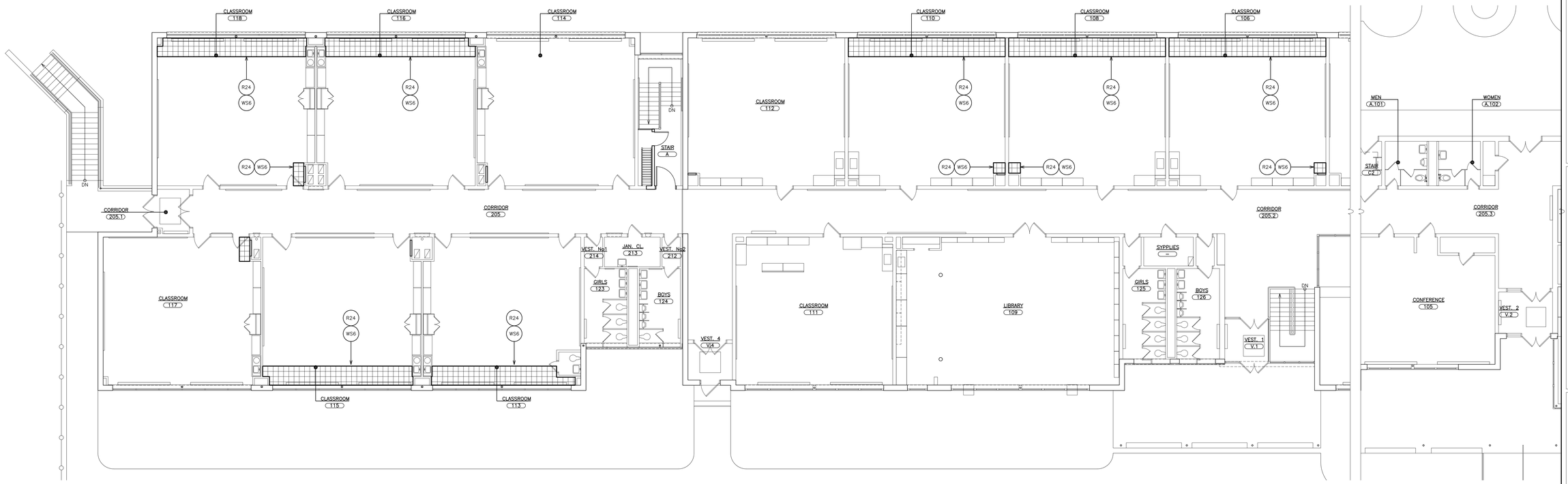
SHEET SIZE 30"x42"
DRAWING NO. A501
SCALE AS NOTED
DRAWN BY F & D
FILE NO. 19360.01

PLOT DATE: December 21, 2023 - 9:35am

FILE: I:\19360.00 Yonkers PS 32 Windows Masonry and Site\DRAWINGS\CURRENT\1-F&D\PS 32 Phase 1 HVAC\19360.01-A501.dwg

DOOR SCHEDULE

| BUILDING | LEVEL | LINE | DOOR NUMBER | DRAWING NUMBER | ROOM / RM No. | DOOR: SIZE: DOUBLE LEAF DOOR | DOOR: SIZE: WIDTH x HEIGHT | DOOR: NEW DOOR | DOOR: EXISTING DOOR | DOOR: DOOR TYPE | DOOR: DOOR MATERIAL | FRAME: FRAME TYPE | FRAME: FRAME MATERIAL | FRAME: DETAIL: HEAD DETAIL | FRAME: DETAIL: JAMB DETAIL | FRAME: DETAIL: SADDLE DETAIL | FIRE RATING (MIN.): 90 MINUTES | FIRE RATING (MIN.): 45 MINUTES | FIRE RATING (MIN.): 0 MINUTES | HARDWARE: FIRE CODE: PANIC RELEASE LATCH | HARDWARE: FIRE CODE: POSITIVE LATCHING | HARDWARE: FIRE CODE: AUTOMATIC CLOSER (DELAYED ACTION) | HARDWARE: FIRE CODE: E.M. HOLD – OPEN | HARDWARE: FIRE CODE: SMOKE SEALS | HARDWARE: GLAZING: FIRE RATED | HARDWARE: GLAZING: INSULATED | HARDWARE: GLAZING: LAMINATED | HARDWARE: GLAZING: SAFETY FILM | HARDWARE: DISABLE REQUIREMENTS: LEVER, U-HANDLE | HARDWARE: DISABLE REQUIREMENTS: KICK PLATE (BEVELED 4 SIDES) | HARDWARE: DISABLE REQUIREMENTS: TACTILE WARNING | HARDWARE: DISABLE REQUIREMENTS: ADA CONFORMING ACCESSIBLE THRESHOLD | HARDWARE: HARDWARE TYPE: MORTISE LOCK SET | HARDWARE: HARDWARE TYPE: CYLINDRICAL LOCK SET | HARDWARE: HARDWARE TYPE: CYLINDER(S) | HARDWARE: HARDWARE TYPE: CORE(S) – SFIC | HARDWARE: HARDWARE TYPE: PUSH / PULL | HARDWARE: FUNCTION: CLASSROOM W/ INTRUDER FUNC. | HARDWARE: FUNCTION: CLASSROOM | HARDWARE: FUNCTION: CLASSROOM DEADBOLT | HARDWARE: FUNCTION: OFFICE | HARDWARE: FUNCTION: STORE ROOM | HARDWARE: FUNCTION: EXIT | HARDWARE: FUNCTION: TOILET | HARDWARE: FUNCTION: OCCUPANCY INDICATOR | HARDWARE: MISCELLANEOUS: 180° SWING | HARDWARE: MISCELLANEOUS: REMOVABLE MULLION | HARDWARE: MISCELLANEOUS: CONTINUOUS HINGE | HARDWARE: MISCELLANEOUS: CYLINDER DOGGING | HARDWARE: MISCELLANEOUS: RECESS PULL | HARDWARE: MISCELLANEOUS: HOLD OPEN–CLOSER | HARDWARE: MISCELLANEOUS: WALL STOP | HARDWARE: MISCELLANEOUS: FLOOR STOP | HARDWARE: MISCELLANEOUS: OVERHEAD STOP | HARDWARE: MISCELLANEOUS: PERIMETER WEATHERSTRIPING | HARDWARE: SECURITY: DOOR CONTACTS | HARDWARE: SECURITY: ACCESS CONTROL READER | HARDWARE: SECURITY: ELECTRIFIED HARDWARE | HARDWARE: SECURITY: ELECTRIC STRIKE | HARDWARE SET NO. | LINE | REMARKS |
|---|---|---

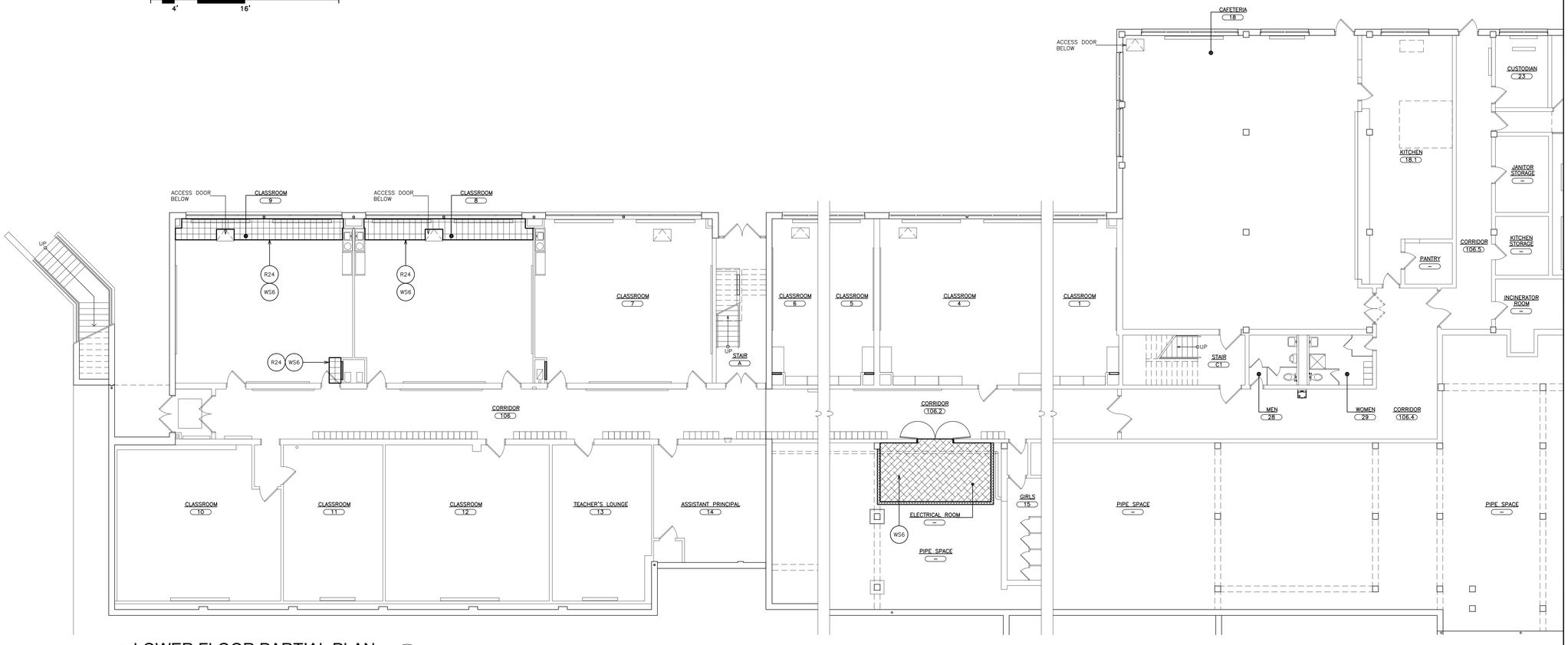


1 UPPER FLOOR PARTIAL PLAN

SCALE: 1/8" = 1'-0"

0 2' 4' 8' 16' 32'

N



2 LOWER FLOOR PARTIAL PLAN

SCALE: 1/8" = 1'-0"

0 2' 4' 8' 16' 32'

N

FLOOR FINISH LEGEND

12"x12" VINYL COMPOSITION TILE FLOORING. SEE SPECIFICATION.

FLOOR PAINTED. SEE FINISH SCHEDULE.

1 2 3 4 WALL INDICATIONS ON FINISH SCHEDULE

NOTE: 1. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION

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S.E.D. CONTROL NUMBER:

66-23-00-01-0-032-010

YPS JOB # 10876

PROJECT TITLE
YONKERS SCHOOL DISTRICT
PHASE 1 OF 3 FOR WINDOWS, MASONRY, INTERIOR IMPROVEMENTS & SITE WORK
PS 32 HOLLY PLACE SCHOOL
1 MONTCLAIR PLACE, YONKERS, NY 10710

DRAWING TITLE
PARTIAL LOWER FLOOR FINISH PLAN
PARTIAL UPPER FLOOR FINISH PLAN

DATE	ISSUED TO
12-22-2023	BID
11-06-2020	100% C.D. SUBMISSION
06-01-2020	100% D.D. SUBMISSION
05-01-2020	50% D.D. SUBMISSION

SHEET SIZE 30"x42"	DRAWING NO. A800
SCALE AS NOTED	
DRAWN BY F & D	FILE NO. 19360.01

PLOT DATE: December 21, 2023 - 9:34am

FILE: I:\19360.00 Yonkers PS 32 Windows Masonry and Site\DRAWINGS\CURRENT\1-F&D\PS 32 Phase 1 HVAC\19360.01-A800.dwg

FINISH SCHEDULE

WALL INDICATIONS ON PLAN

LEVEL	LINE	DESIGNATION	FLOOR	BASE (MAT.)	WALL 1	WALL 2	WALL 3	WALL 4	CLG.	TRIM		CASEWORK			REMARKS
										DOORS	DOOR FRAMES	CABINETS	COUNTER TOPS	EDGING	
LOWER FLOOR	01	CLASSROOM 8	VCT-1	RB-1	–	–	–	–	–	–	–	–	–	–	
	02	CLASSROOM 9	VCT-1	RB-1	–	–	–	–	–	–	–	–	–	–	
	03	MEN'S FACULTY TOILET 28	–	–	–	–	–	–	ACT-1	–	–	–	–	–	
	04	WOMEN'S FACULTY TOILET 29	–	–	–	–	–	–	ACT-1	–	–	–	–	–	
	05	CAFETERIA 18	–	–	–	–	–	–	ACT-1 P-2	–	–	–	–	–	
	06	CORRIDOR 106	–	–	–	–	–	–	ACT-1	–	–	–	–	–	
	07	CORRIDOR 106.2	–	–	–	–	–	–	ACT-1	–	–	–	–	–	
	08	CORRIDOR 106.3	–	–	–	–	–	–	ACT-1 P-2	–	–	–	–	–	
	09	CORRIDOR 106.5	–	–	–	–	–	–	ACT-1 P-2	–	–	–	–	–	
	10	CORRIDOR 106.6	–	–	–	–	–	–	ACT-1	–	–	–	–	–	
	11	CORRIDOR 106.7	–	–	–	–	–	–	ACT-1	–	–	–	–	–	
	12	VESTIBULE –	–	–	–	–	–	–	ACT-1	–	–	–	–	–	
	13	ELECTRICAL ROOM –	P-5	–	–	–	–	–	–	–	–	–	–	–	
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	30														
UPPER FLOOR	31	CLASSROOM 106	VCT-1	RB-1	–	–	–	–	–	–	–	–	–	–	
	32	CLASSROOM 108	VCT-1	RB-1	–	–	–	–	–	–	–	–	–	–	
	33	CLASSROOM 110	VCT-1	RB-1	–	–	–	–	–	–	–	–	–	–	
	34	KINDERGARTEN 113	VCT-1	RB-1	–	–	–	–	–	–	–	–	–	–	
	35	CLASSROOM 115	VCT-1	RB-1	–	–	–	–	–	–	–	–	–	–	
	36	CLASSROOM 116	VCT-1	RB-1	–	–	–	–	–	–	–	–	–	–	
	37	CLASSROOM 118	VCT-1	RB-1	–	–	–	–	–	–	–	–	–	–	
	38	VESTIBULE 2 / V2	–	–	–	–	–	–	ACT-1	–	–	–	–	–	
	39	VESTIBULE 3 / V3	–	–	–	–	–	–	ACT-1	–	–	–	–	–	
	40	VESTIBULE 4 / V4	–	–	–	–	–	–	ACT-1	–	–	–	–	–	
	41	VESTIBULE 5 / V5	–	–	–	–	–	–	ACT-1	–	–	–	–	–	
	42	STAIR A	–	–	–	–	–	–	ACT-1	–	–	–	–	–	
	43	CORRIDOR 205	–	–	–	–	–	–	ACT-1 P-2	–	–	–	–	–	
	44	CORRIDOR 205.2	–	–	–	–	–	–	ACT-1 P-2	–	–	–	–	–	
	45	CORRIDOR 205.3	–	–	–	–	–	–	ACT-1 P-2	–	–	–	–	–	
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FINISH SCHEDULE LEGEND

NOTE: ALL FINISHES SHALL BE CLASS "A"

LEGEND	SIZE	MANUFACTURER	SERIES/MODEL NO./ COLOR	DESCRIPTION	LOCATION / REMARKS
P-1	–	SHERWIN WILLIAMS	COLOR TO BE SELECTED BY ARCHITECT	EGGSHELL PAINT	CLASSROOM
P-2	–	SHERWIN WILLIAMS	SW 7757 / HIGH REFLECTIVE WHITE	FLAT PAINT	SOFFITS & CEILINGS
P-3	–	SHERWIN WILLIAMS	COLOR TO BE SELECTED BY ARCHITECT	SEMI-GLOSS DOOR FRAMES	DOOR FRAMES
P-4	–	SHERWIN WILLIAMS	COLOR TO BE SELECTED BY ARCHITECT	SEMI-GLOSS DOOR	DOORS
P-5	–	SHERWIN WILLIAMS	COLOR TO BE SELECTED BY ARCHITECT	SEMI-GLOSS	ELECTRICAL ROOM
ACT-1	2'x2'x⅝"	ARMSTRONG	563 / CIRRUS HIGH-NRC / LAY-IN	ACOUSTICAL CEILING TILE	TOILETS, CAFETERIA & SERVERY
ACT-2	2'x4'x⅝"	ARMSTRONG	565 / CIRRUS HIGH-NRC / LAY-IN	ACOUSTICAL CEILING TILE	CLASSROOMS
ACT-3	2'x4'x⅝"	ARMSTRONG	2230 / CALLA HEALTH ZONE / LAY-IN	ACOUSTICAL CEILING TILE	KITCHEN
VCT-1	12"x12"	ARMSTRONG	COLOR TO BE SELECTED BY ARCHITECT	VINYL COMPOSITION TILE	CLASSROOMS
RB-1	4" HIGH	JOHNSONITE	COLOR TO BE SELECTED BY ARCHITECT	RUBBER BASE	CLASSROOM

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S.E.D. CONTROL NUMBER:

66-23-00-01-0-032-010

YPS JOB # 10876

PROJECT TITLE
YONKERS SCHOOL DISTRICT
PHASE 1 OF 3 FOR WINDOWS, MASONRY, INTERIOR IMPROVEMENTS & SITE WORK
AT SCHOOL #32
1 MONTCLAIR PLACE, YONKERS, NY 10710

DRAWING TITLE
FINISH LEGEND, FINISH SCHEDULE AND DETAILS

DATE	ISSUED TO
12-22-2023	BID
11-06-2020	100% C.D. SUBMISSION
06-01-2020	100% D.D. SUBMISSION
05-01-2020	50% D.D. SUBMISSION

SHEET SIZE 30"x42"

DRAWING NO. A825

SCALE AS NOTED

DRAWN BY F & D

FILE NO. 19360.01

PLOT DATE: December 21, 2023 - 9:34am

FILE: I:\19360.00 Yonkers PS 32 Windows Masonry and Site\DRAWINGS\CURRENT\1-F&D\PS 32 Phase 1 HVAC\19360.01-A825.dwg

FAMILY SCHOOL 32

1 MONTCLAIR PLACE
YONKERS, NY 10710

SECURITY UPDATE PROJECT

SECURITY DRAWING LIST

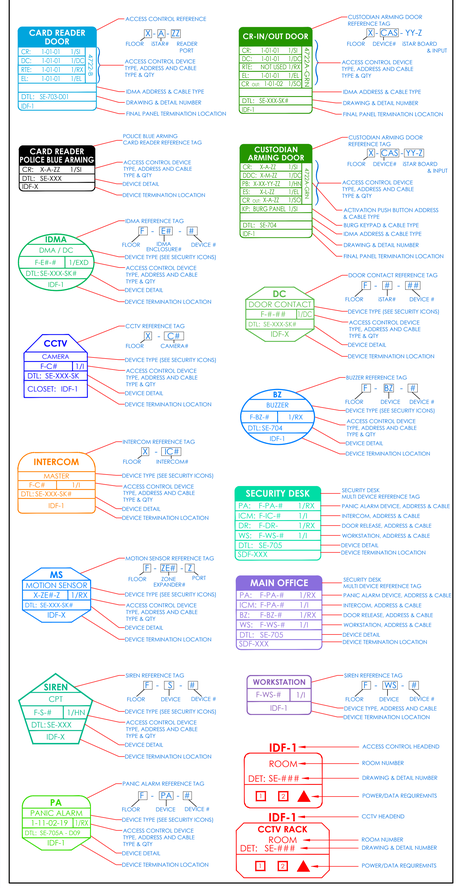
SE-000 COVER SHEET / LEGEND & INDEX

FLOOR PLANS
SE-100 SECURITY UPDATE PROJECT - BASEMENT
SE-101 SECURITY UPDATE PROJECT - FIRST FLOOR

CLOSET DETAILS
SE-300 CLOSET ELEVATIONS - IDF-1
SE-303 CCTV ONE LINE DIAGRAM

TYPICALS
SE-701 BURGLAR & ACCESS OVERALL SYSTEMS INTERFACES - ONE LINE
SE-702A ULTRA SE TYPICAL WIRING DIAGRAM FOR 16 CR DOORS W/ MOTION REX
SE-702B ULTRA SE TYPICAL WIRING DIAGRAM FOR 16 CR DOORS W/ BUILT-IN REX
SE-703 SECURITY EQUIPMENT DETAIL 1- (DOOR TYPICALS)
SE-703A SECURITY EQUIPMENT DETAIL 1A- (DOOR TYPICALS)
SE-703B SECURITY EQUIPMENT DETAIL 1B- (DOOR TYPICALS
SE-704 SECURITY EQUIPMENT DETAIL 2- (ACCESS DEVICE TYPICALS)
SE-705 SECURITY EQUIPMENT DETAIL 3- (ILDA DEVICE TYPICALS)
SE-705A SECURITY EQUIPMENT DETAIL 4- (BURG DEVICE TYPICALS)
SE-706 SECURITY EQUIPMENT DETAIL 5- (CCTV TYPICALS)

REFERENCE DEVICE ATTRIBUTE LEGEND



GENERAL NOTES

1. DRAWINGS AND DIVISION 28 DEFINITIONS: YOU ARE THE SECURITY CONTRACTOR ("SC") AKA "CONTRACTOR". THE BASE BUILDING ELECTRICAL CONTRACTOR IS KNOWN AS "EC". OTHER THAN OWNER PROVIDED ELECTRONIC CONTROLLERS AND EQUIPMENT, ALL OTHER SECURITY SYSTEM INSTALLATION WORK IS PART OF THIS BID AND YOUR WORK. ALL ITEMS MENTIONED IN THE DIVISION 28 SPECIFICATIONS ARE ALSO PART OF THIS PACKAGE AND INCLUDED IN YOUR SCOPE OF WORK AS WELL.
2. GENERAL NOTES SHALL APPLY TO ALL DRAWINGS.
3. WORK TO COMPLY WITH ALL APPLICABLE LOCAL CODES, REGULATORY AGENCIES, INCLUDING, BUT NOT LIMITED TO, NEC, OSHA, AND OTHERS.
4. THE SC SHALL BE RESPONSIBLE FOR SCHEDULING WITH BUILDING MANAGEMENT THE USE OF ELEVATOR OR OTHER HOISTING FACILITIES FOR HANDLING THE DELIVERY OF MATERIALS.
5. FIRE STOPPING OF ALL PENETRATIONS SHALL BE PROVIDED BY THE INSTALLING SC AS REQUIRED BY CODE.
6. THESE DRAWINGS ARE DIAGRAMMATIC IN NATURE, AND FINAL SYSTEM CONDUITS AND CONDUCTOR LAYOUTS SHALL BE PROVIDED BY THE SC IN ACCORDANCE WITH THE MANUFACTURER'S APPROVED EQUIPMENT, CONDUIT, AND WIRING SHOP DRAWINGS, AND FIELD CONDITIONS.
7. THE SC MUST COORDINATE WITH THE DEVICE INSTALLATION DETAILS AND ENSURE THAT DEVICE BACKBOXES ARE APPROPRIATE PER THE FINAL APPROVED SHOP DRAWING, ON A LOCATION-BY-LOCATION BASIS, AND MEET ARCHITECTURAL REQUIREMENTS. SURFACE MOUNTING IS ONLY APPROVED IF THERE IS NO OTHER PATHWAY OPTION. NO SURFACE MOUNTING IS APPROVED ON ANY DRYWALL.
8. PROVIDE APPROPRIATE METALLIC RACEWAY FOR THE SECURITY SYSTEM AS NEEDED IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE AND SO AS NOT TO EXCEED 40% CONDUIT FILL. WHEN USING SURFACE MOUNTED WIREMOLD, BACK BOX DEPTH SHOULD NOT EXCEED THE ABSOLUTE MINIMUM DEPTH REQUIRED FOR THE DEVICE. FOR EXAMPLE, CARD READERS BACK BOX CANNOT EXCEED ½" IN DEPTH.
9. UNLESS OTHERWISE NOTED, THE SC SHALL PROVIDE ALL 120/220VAC AS REQUIRED FOR THE SECURITY SYSTEM. FINAL 120 VAC TERMINATIONS IN THE SECURITY EQUIPMENT SHALL BE PERFORMED BY THE SEC AS WELL.
10. THE SC SHALL PROVIDE AND INSTALL ALL INTERCONNECTING CONDUITS AND RACEWAYS INSIDE THE SECURITY EQUIPMENT AND TERMINATE ALL WIRES AS SHOWN IN THIS DRAWING SET.
11. UNLESS OTHERWISE NOTED, THE SC SHALL PROVIDE AND INSTALL ALL CABLE PASS-THROUGH HOLES IN MILLWORK.
12. THE SC SHALL PROVIDE AND INSTALL ALL OVERHEAD CABLE SUPPORTED BY PANDUIT J-HOOKS, CABLE TRAYS, OR EQUIVALENT. CABLE SHALL NOT BE SUPPORTED BY CEILING GRID, DUCTWORK, SPRINKLER PIPES, ELECTRICAL CONDUIT OR GAS PIPES.
13. THE SC TO PROVIDE GROUNDING OF ALL ELECTRONICS EQUIPMENT, AT MDF/IDF, ON THE PLYWOOD BACKBOARD, USE GROUND BAR. COORDINATE WITH GENERAL CONTRACTOR FOR NEAREST GROUNDING LOCATION.
14. THE SC SHALL PREP AND WIRE ALL DOORS FOR ELECTRIFIED DOOR HARDWARE, THIS INCLUDES MAGNETIC LOCKS, ELECTRIC LOCKS, DOOR FRAMES FOR ELECTRIC STRIKES, HOLES FOR DOOR CONTACTS AND MAGNETIC LOCK ASSEMBLIES.
15. THESE DRAWINGS INDICATE THE GENERAL INTENT OF WORK AND ARE NOT INTENDED TO INDICATE OR DESCRIBE ALL THE WORK REQUIRED BY THE SC FOR THE FULL PERFORMANCE AND COMPLETION OF THE CONTRACT.
16. ALL CONDUIT SHALL BE DEBURRED, CLEANED, CAPPED, TAGGED, AND PROVIDED WITH PULL WIRES AND BRUSHINGS, WHERE CONDUITS OR WIREWAYS PASS THROUGH FIRE RATED ASSEMBLIES. THE PENETRATIONS SHALL BE FIRE- STOPPED.
17. PRIOR TO SYSTEM TURN-ON, THE SC CONTRACTOR SHALL REVIEW THE INSTALLATION OF ALL INSTALLED DEVICES WITH OWNER'S REP TO VERIFY CORRECT INSTALLATION & PROPER FUNCTIONING.
18. AT THE TIME OF ACCESS CONTROL SYSTEM TURN ON, THE SC SHALL PROVIDE THE SAME PERSONNEL WHO PERFORMED & SUPERVISED THE WORK TO TROUBLESHOOT, TEST THE INSTALLATION AND REMEDY ALL RELATED PUNCH LIST ITEMS FOR FINAL COMMISSIONING.
19. THE SC SHALL ADJUST CAMERA VIEWS TO OWNER'S SATISFACTION TILL FINAL ACCEPTANCE.
20. CLIENTS FIRE ALARM CONTRACTOR SHALL PROVIDE A SET OF NORMALLY CLOSED (N/C) CONTACTS TO RELEASE ON GENERAL ALARM AND BE CONNECTED BY SC.
21. THE SC IS RESPONSIBLE FOR PROVIDING A COMPLETE AND ACCURATE SET OF AS-BUILT DRAWINGS.
22. ALL WIRES TO BE MACHINE LABELED VIA SELF LAMINATING LSL-77 TAGS OR SIMILAR. PROVIDE FOR OWNER'S REP REVIEW PRIOR TO USE
23. SECURITY SCREWS TO BE USED ON ALL DEVICES TO MAINTAIN SYSTEM'S INTEGRITY

POWER REQUIREMENTS

1	**POWER (EMERGENCY CIRCUIT)** CONTRACTOR TO PROVIDE A HARD WIRED CONNECTION TO A 120 VAC 20A EMERGENCY CIRCUIT DEDICATED TO SECURITY IN EACH RISER LOCATION WITHIN A 4'x4" BOX SURFACE MOUNTED 18" AFF WITH WIRE ENDS TERMINATED AND INSULATED WITH WIRE NUTS.
2	**POWER (NON-EMERGENCY CIRCUIT)** CONTRACTOR TO PROVIDE A HARD WIRED CONNECTION TO A 120 VAC 20A NON-EMERGENCY CIRCUIT DEDICATED TO SECURITY IN EACH RISER LOCATION WITHIN A 4'x4" BOX SURFACE MOUNTED 18" AFF WITH WIRE ENDS TERMINATED AND INSULATED WITH WIRE NUTS.

SECURITY DEVICES LEGEND

CR	CARD READER	LR = LONG RANGE EL = ELEVATOR	BIO = BIOMETRIC BC = BARCODE
DOC	DOUBLE DOOR CONTACTS	R = RECESS S = SURFACE	DPDT = DOUBLE POLE DOUBLE THROW
DC	DOOR CONTACT	R = RECESS S = SURFACE	DPDT = DOUBLE POLE DOUBLE THROW
KP	BURG PANEL KEY PAD		
DO	ELECTRIFIED DOOR OPERATOR (PBO)		
OH	OVERHEAD DOOR CONTACT	DPDT = DOUBLE POLE DOUBLE THROW	
EL	ELECTRIC MORTISE LOCK	REX = REQUEST TO EXIT BUILT IN	
ML	ELECTROMAGNETIC LOCK		
ES	ELECTRIC STRIKE LOCK		
EOL	END OF LINE RESISTOR		
REX	REQUEST TO EXIT MOTION SENSOR		
IDMA	INTELLIGENT DOOR MANAGEMENT ALARM (IDMA) - "EXD" CABLE		
CB	ELECTRIC LOCKING CRASH BAR	REX = BUILT IN REQUEST TO EXIT	
MD	MOTION SENSOR (LONG RANGE) - "RX" CABLE	MOTION SENSORS WILL BE WALL MOUNTED UNLESS MOTION SENSOR IS 360° CEILING TYPE	
MD	MOTION SENSOR (SHORT RANGE) - "RX" CABLE		
BUZ	BUZZER		
TMP	TEMPERATURE SENSOR		
MON	VIDEO MONITOR		
ICM	INTERCOM	S=SUBSTATION M=MASTER	VS=VIDEO SUBSTATION VM=VIDEO MASTER
S	SIREN		
CAS	CUSTODIAL ARMING STATION		
	FIXED MINI DOME OUTDOOR VANDAL CAMERA		
	FIXED MINI DOME INDOOR CAMERA		
	PTZ DOME OUTDOOR CAMERA		
	PTZ DOME INDOOR CAMERA		
	FIXED BOX OUTDOOR CAMERA		
	FIXED BOX INDOOR CAMERA		

CABLE TYPE/IDENTIFICATION SCHEDULE

ID	MANUFACTURER	PART #	DESCRIPTION	CABLE TYPE
A	REMEE	4722A-AMZ	(SI) - COMPONENT 1: CARD READER-IN 1/PR (RS-485) SHIELDED 22AWG STRANDED 2 COND (LED/BZR) 22AWG STRANDED 2 COND (POWER) 20AWG STRANDED (SO) - COMPONENT 2: CARD READER-OUT 1/PR (RS-485) SHIELDED 22AWG STRANDED 2 COND (LED/BZR) 22AWG STRANDED 2 COND (POWER) 20AWG STRANDED (DC) - COMPONENT 3: DOOR CONTACT 2 COND - 22AWG STRANDED (EL) - COMPONENT 4: LOCK POWER 2 COND - 18AWG STRANDED (HN) - COMPONENT 5: HORN/STROBE 2 COND - 20AWG STRANDED	PLENUM
B	REMEE	4722B-AMZ	(SI) - COMPONENT 1: CARD READER-IN 1/PR (RS-485) SHIELDED 22AWG STRANDED 2 COND (LED/BZR) 22AWG STRANDED 2 COND (POWER) 20AWG STRANDED (RX-MO) - COMPONENT 2: REQUEST TO EXIT 4 COND - 2 COND - 22AWG (CONTACT) STRANDED 2 COND - 20AWG (POWER) STRANDED (DC) - COMPONENT 3:DOOR CONTACT 2 COND - 22AWG STRANDED (EL) - COMPONENT 4: LOCK POWER 2 COND - 18AWG STRANDED (HN) - COMPONENT 5: HORN/STROBE 2 COND - 20AWG STRANDED	PLENUM
EXD	REMEE	5465-AMZ	(RX-MO) - COMPONENT 2: REQUEST TO EXIT 4 COND - 2 COND - 22AWG (CONTACT) STRANDED 2 COND - 20AWG (POWER) STRANDED (DC) - COMPONENT 3:DOOR CONTACT 2 COND - 22AWG STRANDED (HN) - COMPONENT 5: HORN 2 COND - 20AWG STRANDED	PLENUM
SI	REMEE	5333-SI	CARD READER-IN 1/PR (RS-485) SHIELDED 22AWG STRANDED 2 COND (LED/BZR) 22AWG STRANDED 2 COND (POWER) 20AWG STRANDED	PLENUM
DC	REMEE	5333-DC	2 COND - 22AWG STRANDED-BARE COPPER	PLENUM
EL	REMEE	5333-EL	2 COND - 18AWG STRANDED-BARE COPPER	PLENUM
HN	REMEE	5333-SI	2 COND - 20AWG STRANDED-BARE COPPER	PLENUM
RX-MO	REMEE	5333-RX-MO	4 COND - 2 COND - 22AWG (CONTACT) STRANDED 2 COND - 20AWG (POWER) STRANDED	PLENUM
BR	REMEE	8547	4 PAIR - 20AWG STRANDED-BARE COPPER, INDIVIDUALLY SHIELDED	BURIAL

ISSUED FOR:

DATE	COMMENTS
7/21/2020	FIRST SUBMISSION
12/12/2023	ISSUED FOR APPROVAL

ITG Larson, inc.
155 Lafayette Ave
White Plains, NY 10603

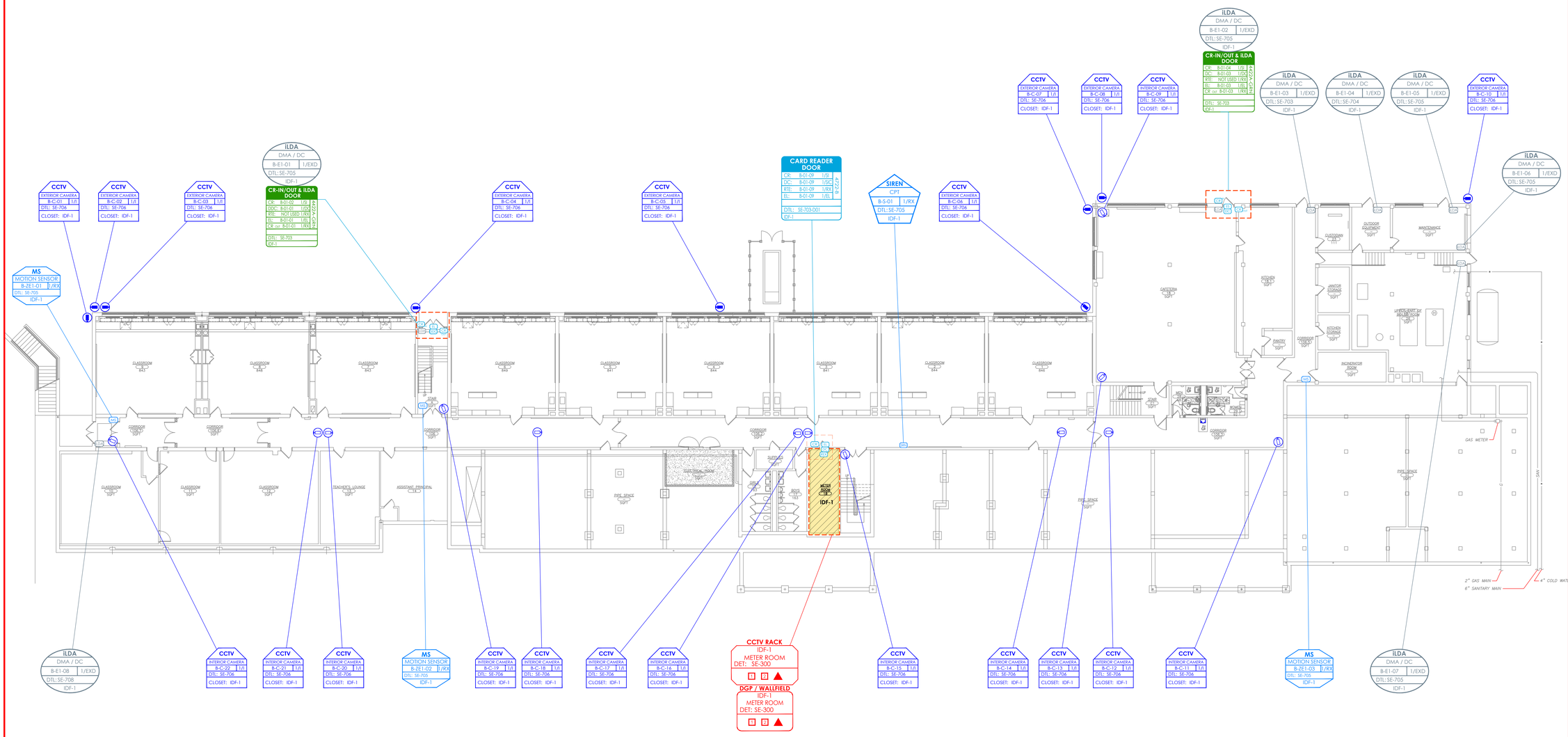
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PROJECT:
FAMILY SCHOOL 32
1 MONTCLAIR PL
YONKERS, NY 10710

TITLE:
COVER SHEET

DESIGNED BY	DRAWN BY	CHECKED BY
XX	XX	XX

WORK ORDER NO: XXXXXX
DATE: 7/21/2020
SCALE: N.T.S.
S.A. NO: XXXXXX
DRAWING NO: SE-000



ISSUED FOR:

DATE	COMMENTS
7/21/2020	FIRST SUBMISSION
12/12/2023	ISSUED FOR APPROVAL

ITG Larson, Inc.
155 Lafayette Ave
White Plains, NY 10603

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PROJECT:

FAMILY SCHOOL 32

1 MONTCLAIR PL
YONKERS, NY 10710

TITLE:

SECURITY UPDATE PROJECT
BASEMENT

DESIGNED BY	DRAWN BY	CHECKED BY
XX	XX	XX

WORK ORDER NO: XXXXXX	DATE: 7/21/2020
S.A. NO: XXXXXX	SCALE: AS NOTED
	DRAWING NO: SE-100

MS MOTION SENSOR | 1-ZE1-04 | I/RX | DTL: SE-705 | IDF-1

MS MOTION SENSOR | 1-ZE1-05 | I/RX | DTL: SE-705 | IDF-1

CCTV INTERIOR CAMERA | 1-C-48 | 1/I | DTL: SE-706 | CLOSET: IDF-1

CCTV INTERIOR CAMERA | 1-C-47 | 1/I | DTL: SE-706 | CLOSET: IDF-1

CCTV INTERIOR CAMERA | 1-C-46 | 1/I | CLOSET: IDF-1

WORKSTATION
WITH (2) 27" MONITORS
PROVIDE TWO (2)
NETWORK DROPS

SECURITY DESK
PA: 1-PA-04 I/RX
ICM: 1-IC-49 1/I
DR:
WS: 1-WS-01 1/I
DTL: SE-705
IDF-1

MS MOTION SENSOR | 1-ZE1-06 | I/RX | DTL: SE-705 | IDF-1

CCTV INTERIOR CAMERA | 1-C-44 | 1/I | DTL: SE-706 | CLOSET: IDF-1

MS MOTION SENSOR | 1-ZE1-07 | I/RX | DTL: SE-705 | IDF-1

SIREN CPT | 1-S-02 | I/RX | DTL: SE-704 | IDF-1

CCTV INTERIOR CAMERA | 1-C-43 | 1/I | DTL: SE-706 | CLOSET: IDF-1

CCTV INTERIOR CAMERA | 1-C-42 | 1/I | DTL: SE-706 | CLOSET: IDF-1

CCTV INTERIOR CAMERA | 1-C- | 1/I | DTL: SE-706 | CLOSET: IDF-1

MS MOTION SENSOR | 1-ZE1-08 | I/RX | DTL: SE-705 | IDF-1

CCTV INTERIOR CAMERA | 1-C-42 | 1/I | DTL: SE-706 | CLOSET: IDF-1

ILDA DMA / DC | 1-E2-07 | I/EXD | DTL: SE-705 | IDF-1

CCTV EXTERIOR CAMERA | 1-C-38 | 1/I | DTL: SE-706 | CLOSET: IDF-1

CCTV EXTERIOR CAMERA | 1-C-39 | 1/I | DTL: SE-706 | CLOSET: IDF-1

CCTV EXTERIOR CAMERA | 1-C-37 | 1/I | DTL: SE-706 | CLOSET: IDF-1

CCTV EXTERIOR CAMERA | 1-C-23 | 1/I | DTL: SE-706 | CLOSET: IDF-1

ILDA DMA / DC | 1-E2-01 | I/EXD | DTL: SE-705 | IDF-1

CCTV EXTERIOR CAMERA | 1-C-24 | 1/I | DTL: SE-706 | CLOSET: IDF-1

CCTV EXTERIOR CAMERA | 1-C-25 | 1/I | DTL: SE-706 | CLOSET: IDF-1

CCTV EXTERIOR CAMERA | 1-C-26 | 1/I | DTL: SE-706 | CLOSET: IDF-1

ILDA DMA / DC | 1-E2-02 | I/EXD | DTL: SE-705 | IDF-1

CARD READER
POLICE BLUE ARMING
CR: 1-D1-09 1/SI
DTL: SE-701
IDF-1

ILDA DMA / DC | 1-E2-03 | I/EXD | DTL: SE-705 | IDF-1

CCTV EXTERIOR CAMERA | 1-C-27 | 1/I | DTL: SE-706 | CLOSET: IDF-1

CCTV EXTERIOR CAMERA | 1-C-28 | 1/I | DTL: SE-706 | CLOSET: IDF-1

INTERCOM
DOOR STATION | 1-IC-45 | 1/I | DTL: | IDF-1

CUSTODIAN ARMING DOOR
DC: 1-D1-8 1/SI
DOC: 1-D1-7 1/EL
XTE: NOT USED
SE: 1-D1-7 1/EL
CR out: 1-D1-7 1/SI
PB: 1-16-02-08 I/RX
KP: BURG PANEL 1/RX
LDA: 1-15-02-07 1/SI
DTL: SE-704
IDF-1

ILDA DMA / DC | 1-E2-04 | I/EXD | DTL: SE-705 | IDF-1

CCTV EXTERIOR CAMERA | 1-C-29 | 1/I | DTL: SE-706 | CLOSET: IDF-1

CCTV INTERIOR CAMERA | 1-C-30 | 1/I | DTL: SE-706 | CLOSET: IDF-1

MAIN OFFICE
PA: 1-PA-05 I/RX
ICM: 1-IC-50 1/I
BZ: 1-01-03 1/RX
WS: 1-WS-02 1/I
DTL: SE-705
IDF-1

WORKSTATION
WITH (2) 27" MONITORS
PROVIDE TWO (2)
NETWORK DROPS

CCTV INTERIOR CAMERA | 1-C-31 | 1/I | DTL: SE-706 | CLOSET: IDF-1

CCTV INTERIOR CAMERA | 1-C-32 | 1/I | DTL: SE-706 | CLOSET: IDF-1

CCTV EXTERIOR CAMERA | 1-C-33 | 1/I | DTL: SE-706 | CLOSET: IDF-1

ILDA DMA / DC | 1-E2-05 | I/EXD | DTL: SE-705 | IDF-1

CR-IN/OUT & ILDA DOOR
CR: 1-D1-06 1/SI
DOC: 1-D1-05 1/DC
XTE: NOT USED 1/XTE
EL: 1-D1-05 1/EL
CR out: 1-D1-05 1/RX
DTL: SE-703
IDF-1

ILDA DMA / DC | 1-E2-06 | I/EXD | DTL: SE-705 | IDF-1

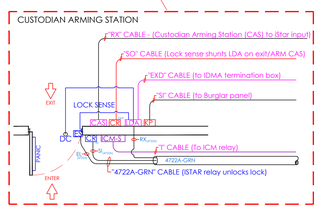
CCTV INTERIOR CAMERA | 1-C-34 | 1/I | DTL: SE-706 | CLOSET: IDF-1

CCTV EXTERIOR CAMERA | 1-C-35 | 1/I | DTL: SE-706 | CLOSET: IDF-1

CCTV EXTERIOR CAMERA | 1-C-36 | 1/I | DTL: SE-706 | CLOSET: IDF-1

CABLES TO COME UP THROUGH FLOOR

CUSTODIAN ARMING STATION



0 20′ 40′

ISSUED FOR:

DATE	COMMENTS
7/21/2020	FIRST SUBMISSION
12/12/2023	ISSUED FOR APPROVAL

ITG Larson, inc.
155 Lafayette Ave
White Plains, NY 10603

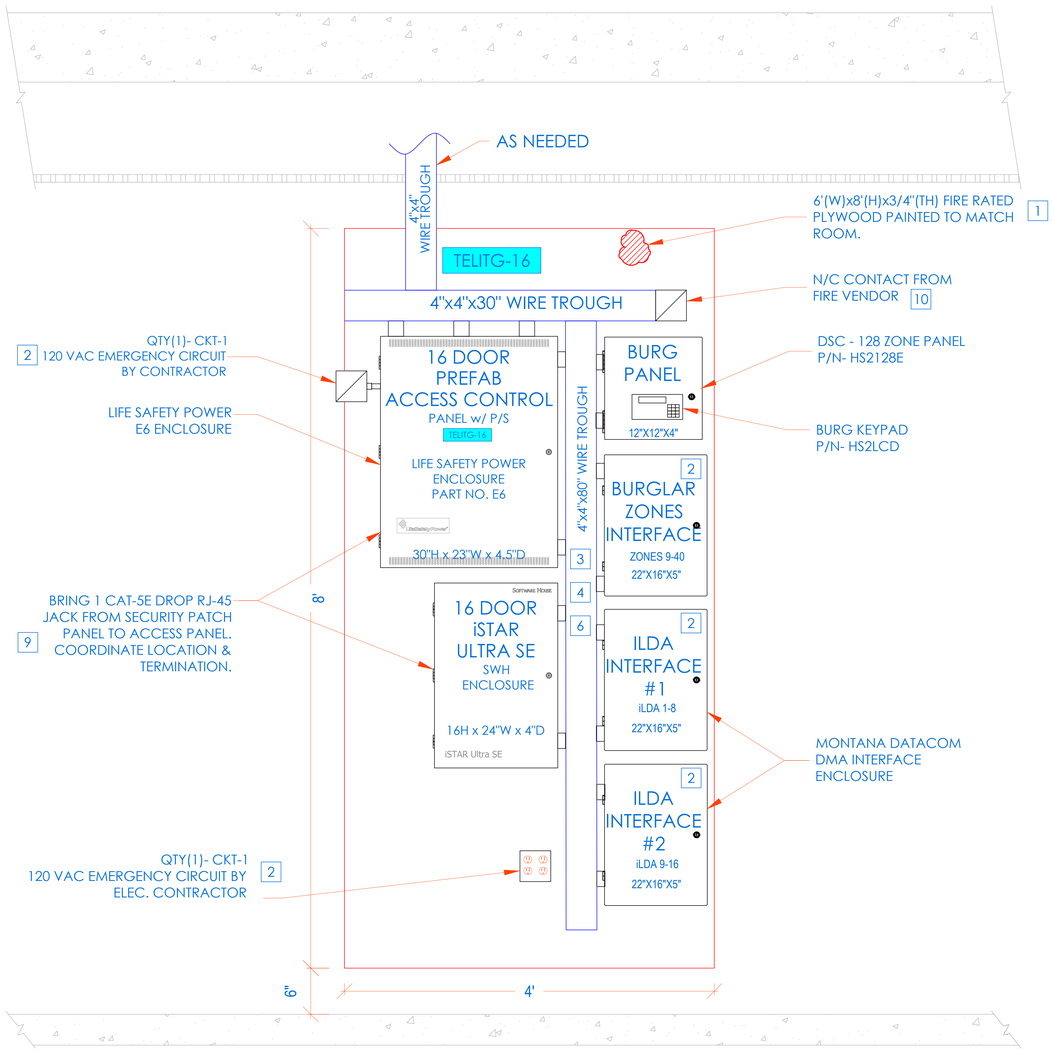
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PROJECT:
FAMILY SCHOOL 32
1 MONTCLAIR PL
YONKERS, NY 10710

TITLE:
SECURITY UPDATE PROJECT
FIRST FLOOR

DESIGNED BY	DRAWN BY	CHECKED BY
XX	XX	XX

WORK ORDER NO: XXXXXX
DATE: 7/21/2020
SCALE: 1/8"=1'-0"
S.A. NO: XXXXXX
DRAWING NO: SE-101

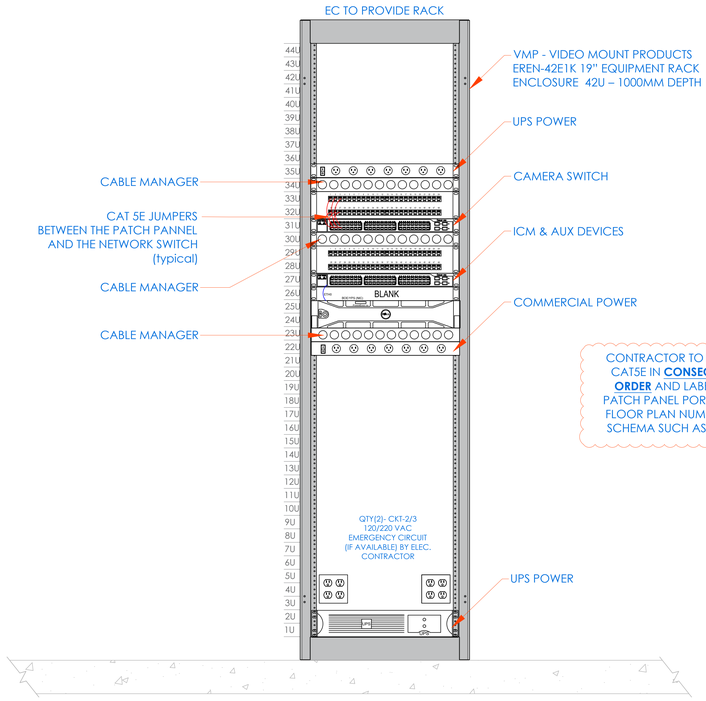


INSTALLATION PROCEDURE

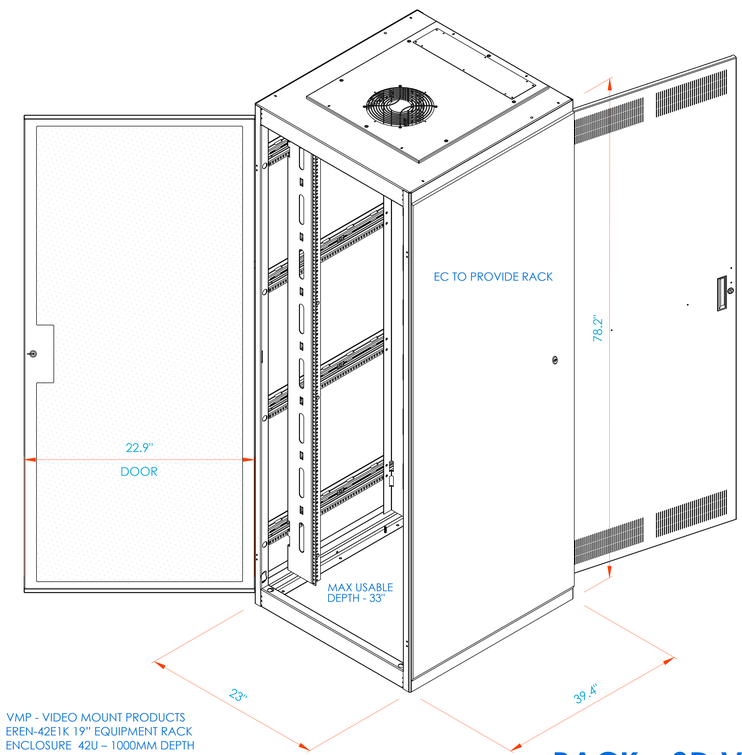
iSTAR ULTRA SE 16 DOORS WITH LSP 12V/24V ACCESS CONTROL HEAD END

1. LAYOUT EQUIPMENT TO BE MOUNTED AT DESIGNATED PLYWOOD (FIRE RATED AND PAINTED TO MATCH ROOM) BOARD IN SDF ROOM IN ACCORDANCE WITH THE PROVIDED ELEVATIONS HERE. STEPS KEYED ON THE DRAWINGS ARE NOTED BELOW.
2. COMPLETE INSTALLATION OF 120VAC/20A DEDICATED CIRCUIT AS SHOWN.
3. FURNISH AND INSTALL A 4"x4"x30" CABLE TROUGH WITH SCREW FASTENED REMOVABLE COVER (NEMA TYPE 1), MOUNTED HORIZONTALLY, ON THE PLYWOOD 4" FROM THE TOP EDGE OF PLYWOOD.
4. FURNISH AND INSTALL 2" COUPLERS (SEE DRAWING ABOVE FOR QTY.) FROM THE LOCK POWER SUPPLY (TO THE CENTER TROUGH AS SHOWN. DO NOT ENTER BOTTOM OF P/S (INTERFERES WITH BATTERY).
5. MOUNT [iSTAR ULTRA SE] ENCLOSURE 1" BELOW THE LOCK POWER SUPPLY. FURNISH AND INSTALL 2" COUPLERS (SEE DRAWING ABOVE FOR QTY.) FROM [iSTAR ULTRA SE] ENCLOSURE TO THE CENTER TROUGH AS SHOWN.
6. BRING CAT-5 CABLE AND/OR MOUNT AN RJ-45 JACK FOR PANEL DATA COMM, FROM NEAREST NETWORK SWITCH TO HERE. COORDINATE TERMINATION WITH TELECOM VENDOR OR CUSTOMER'S DATA CONSULTANT.
7. COORDINATE WITH MEP/ BLDG MANAGEMENT TO PROVIDE ONE SET OF NORMALLY CLOSED (N/C) DRY CONTACT FROM THE SITE'S FIRE ALARM SYSTEM, TO OPEN ON GENERAL ALARM ACTIVATION. (PROVIDED BY FIRE VENDOR).ELECTRIC LOCKS MUST BE FAIL SAFE FOR THIS FUNCTIONALITY.
8. ALL CONDUITS AND CONNECTIONS SHALL BE INSTALLED TO REQUIRED ENCLOSURES AS NEEDED PER DIAGRAM PROVIDED.
9. ALL CONNECTIONS BETWEEN PANELS & TROUGHS SHOULD BE CHASE NIPPLES & RIGID COUPLINGS.

CCTV NETWORK RACK



FRONT ELEVATION



RACK - 3D VIEW

ISSUED FOR:

DATE	COMMENTS
7/21/2020	FIRST SUBMISSION
12/12/2023	ISSUED FOR APPROVAL

ITG Larson, inc.
155 Lafayette Ave
White Plains, NY 10603

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PROJECT:
FAMILY SCHOOL 32
1 MONTCLAIR PL
YONKERS, NY 10710

TITLE:
CLOSET ELEVATIONS
IDF-1

DESIGNED BY	DRAWN BY	CHECKED BY
XX	XX	XX

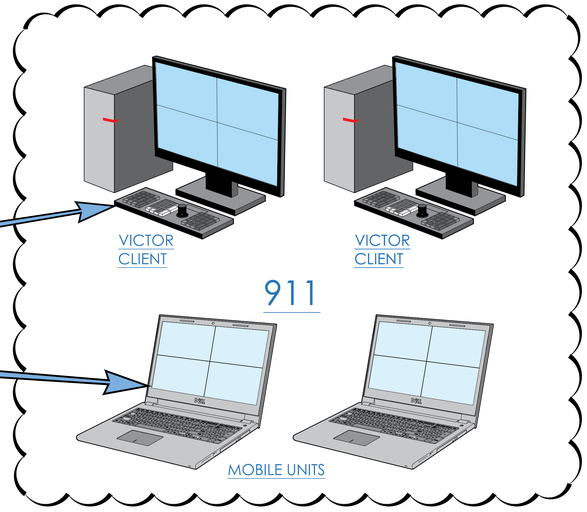
WORK ORDER NO: XXXXXX
DATE: 7/21/2020
SCALE: N.T.S.
S.A. NO: XXXXXX
DRAWING NO: SE-300

COY-BOE SECURITY DEVICE NETWORK TOPOLOGY

CCURE / VICTOR
DB



COY
CITY OF YONKERS



* TO UTILIZE VICTOR FOR MAX FUNCTIONALITY
USERS WILL CONNECT TO COY UNIFIED SERVER

AMERICAN DYNAMICS NVR

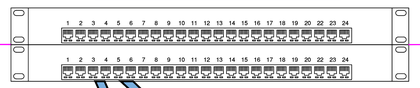


ETH0
COY NETWORK

ETH1
BOE NETWORK

ETH2
CAMERA NETWORK

SCHOOL SWITCH



BOARD OF EDUCATION

CAMERA
SWITCH 1

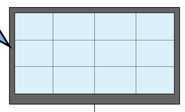


TYPICAL

C1 CAT-5 ; 10.100.xx.xxx
C2 CAT-5 ; 10.100.1.135
C3 CAT-5 ; 10.100.1.1XX
C4 CAT-5 ; 10.100.1.137

FIBER
CONNECTION
OR DEDICATED CAT 6e

47" WALL MOUNTED
PRINCIPAL'S OFFICE

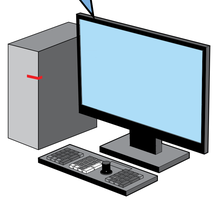


ATLONA X2

KBD & MOUSE

VICTOR CLIENT

VICTOR MONITORING CLIENT



PRINCIPAL'S DESK
WEB CLIENT

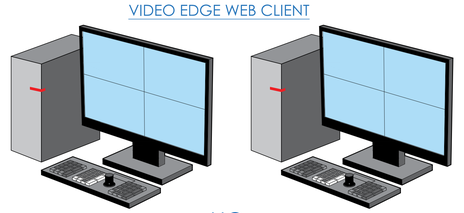
CAMERA
SWITCH 2



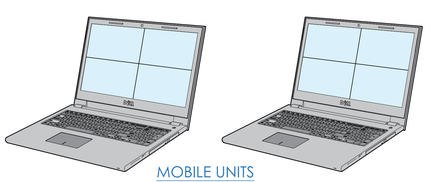
TYPICAL

C1 CAT-5 ; 10.100.1.134
C2 CAT-5 ; 10.100.1.135
C3 CAT-5 ; 10.100.1.1XX
C4 CAT-5 ; 10.100.1.137

VIDEO EDGE WEB CLIENT



HQ
1 LARKIN PLAZA



MOBILE UNITS

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White Plains, NY 10603

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PROJECT:
FAMILY SCHOOL 32
1 MONTCLAIR PL
YONKERS, NY 10710

TITLE:
CCTV
ONE LINE DIAGRAM

DESIGNED BY	DRAWN BY	CHECKED BY
XX	XX	XX

WORK ORDER NO:	DATE
XXXXXX	7/21/2020
S.A. NO:	SCALE: N.T.S.
XXXXXX	DRAWING NO: SE-303

BURGLAR & ACCESS - OVERALL SYSTEMS INTERFACES - ONE LINE

DOORS, MOTION DETECTORS ETC:

(typical)

MD MD MD

SIRENS

X-FL 1ST BSMT

SRN SRN SRN

CELLULAR COMM

10/100 TO CCURE-9000 AND CENTRAL STATION

POLICE - FRONT DOOR AREA

"BLUE" ARMING READER FRONT DOOR

CR "IN" KEYPAD

CUSTODIAN ARMING STATION (CAS)

ICM CAS PB CR "OUT" IDMA KEYPAD

BURG PANEL

BY PANEL- FOR SERVICE

CONTRACTOR TO ALSO WIRE:

FROM ISTAR OUTPUT -> TO BURG INPUT:
BURG ZN1 - ARM/FORCE ARM PANEL (momentary)
BURG ZN2 - DISARM PANEL (momentary)
BURG ZN3 - GENERAL PERIMETER DMA/LDA ALARMS (latched)

FOR FURTHER DETAILS SEE SE-705

FROM BURG OUTPUT TO ISTAR INPUT:
OUTPUT 1 - GENERAL BURGLAR ALARM
OUTPUT 2 - N/C CONTACT WHEN "ARMED STATUS" (Light/un-bypass IDMA)
OUTPUT 3 - ZONE TROUBLE (Any zone)
OUTPUT 4 - ALYSSA'S LAW - SILENT PANIC

SOFTWARE HOUSE

ISTAR CC-9000

"EL" BUZZER - ADMINISTRATION OFFICE (IDMA ALARM)

"EL" N/C FIRE ALARM CONTACT(BY EC):
1- TURN "LIGHTS" INTERFACE RELAY ON

"EL" LOW VOLTAGE WIRE FROM LIGHT CONTACTOR(S) TO SECURITY PANEL BY EC

LIGHTS TURN ON:
1- WHEN BURGLAR ALARM IS TRIGGERED
2- WHEN FIRE ALARM IS ACTIVATED

LIGHT CONTROL CONTACTOR (by EC)

TO ISTAR - BURG PANEL "ARM" EVENT

TO DMA/LDA TERMINATION CONTROL PANEL

IDMA TERMINATION BOX
(SEE SE-704 FOR DETAILS)

IDMA-1
IDMA-2
IDMA-3
IDMA-n'

NOTE: PERIMETER "DOOR CONTACT" STATUS IS PROVIDED BY THE LDA/DMA VIA THE CC-9000 AND ISTAR AND IS SENT TO THE BURGLAR PANEL VIA API AND HARD WIRED TO ZONE#3. LDA/DMA ALARMS ARE ANNOUNCED AT ADMIN OFFICE VIA LOCAL BUZZER AND EMAIL NOTIFICATIONS

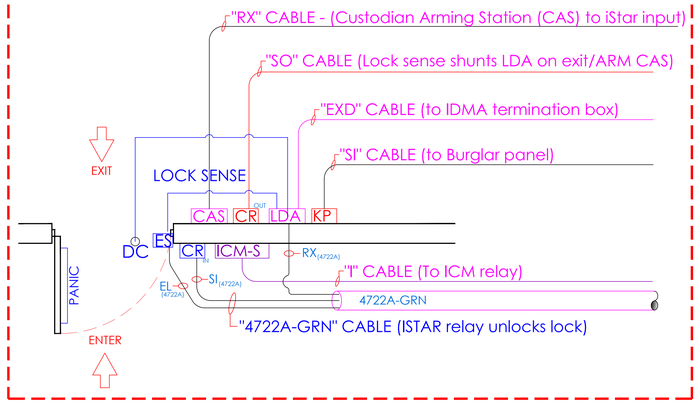
1. SINGLE SWIPE - UNLOCKS DOOR AND MOMENTARY SHUNTS DMA. (APPROX. 20SEC);
2. EVENT - DOUBLE SWIPE - UNLOCKS DOOR AND SHUNTS THE DMA "FOREVER" (until another double swipe)
3. SINGLE SWIPE AND PUSHING THE CAS ARMING BUTTON - WILL (FORCE) ARM THE SYSTEM;

EVENTS PROGRAMMING:

1. ENTERING FROM OUTSIDE:
   - 1.1. UNLOCK CUSTODIAN DOOR USING THE "M" CABLE PORT /RELAY FOR THE "IN READER" (MUST BE ADA PERSON IN CCURE SOFTWARE)
   - 1.2. EVENT - DISARM BURGLAR ALARM VIA API AND DRY CONTACTS (ZN2)
   - 1.3. EVENT - TURN BUILDING'S HALLWAY LIGHTS
   - 1.4. EVENT - SHUNTS DOOR's LDA/DMA USING THE LOCK SENSE FEATURE

2. EXITING FROM INSIDE - PRESENTING A VALID CARD WILL:
   - 2.1 SHUNTS DOOR's LDA/DMA USING THE LOCK SENSE FEATURE
   - 2.2 EVENT - ARM THE "CAS BURG ARMING BUTTON INPUT" FOR 10 SECONDS. IF CAS ARMING IS PUSHED WITHIN THAT 10 SEC OF PRESENTING A CARD, THE BURG PANEL WILL START ARMING USING ZN1 - FORCED ARM
   - 2.3 WHEN BURGLAR PANEL ARMS - SHUT OFF BUILDING'S LIGHTS

CUSTODIAN ARMING STATION



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FAMILY SCHOOL 32
1 MONTCLAIR PL
YONKERS, NY 10710

TITLE:
BURGLAR & ACCESS
OVERALL SYSTEMS INTERFACES
ONE LINE

DESIGNED BY	DRAWN BY	CHECKED BY
XX	XX	XX

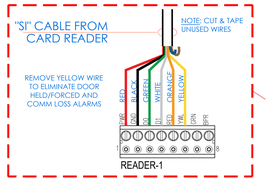
WORK ORDER NO: XXXXXX
DATE: 7/21/2020
SCALE:
S.A. NO: XXXXXX
DRAWING NO: SE-701

ULTRA SE TYPICAL WIRING DIAGRAM - MOTION REX

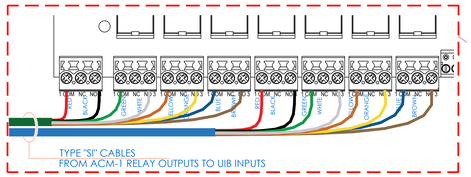
NOTES:

1. THIS DRAWING ASSUMES SOFTWAREHOUSE BOARDS AS WELL AS ELECTRIFIED LOCKS ARE SET AT 24V
2. ELECTRIFIED LOCKS ARE FIELD SELECTABLE AS 12V/ 24V VIA C8P AND D8P
3. DEPENDING ON CONFIGURATION - NUMBER OF B100 CONVERTER, C8P AND D8P WILL VARY. VERIFY SITE SPECIFIC PANEL BUILD FOR EXACT DEVICE TERMINATION LOCATION
4. ***IMPORTANT*** - ANY AND ALL POWER CONSUMING DEVICES SUCH AS MOTION DETECTORS AND ELECTRIFIED LOCKS MUST BE POWERED VIA POWER DISTRIBUTION MODULES SUCH AS LSP PART# C8P FOR LOCKS AND D8P FOR MOTION DETECTORS ETC. DO NOT WIRE DIRECTLY TO SOFTWAREHOUSE BOARDS.

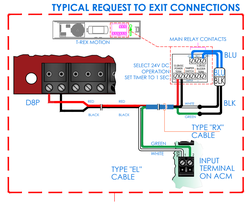
READER CONNECTIONS



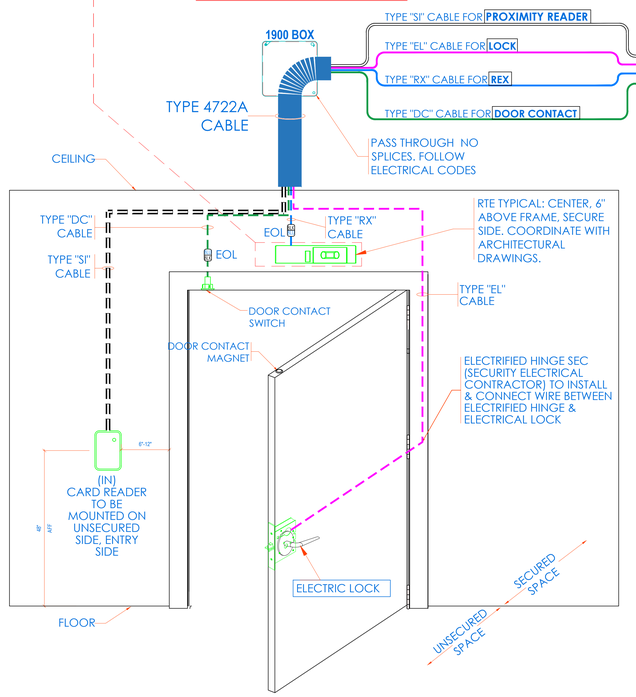
ISTAR OUTPUT RELAYS CONNECTION



TYPICAL REQUEST TO EXIT CONNECTIONS

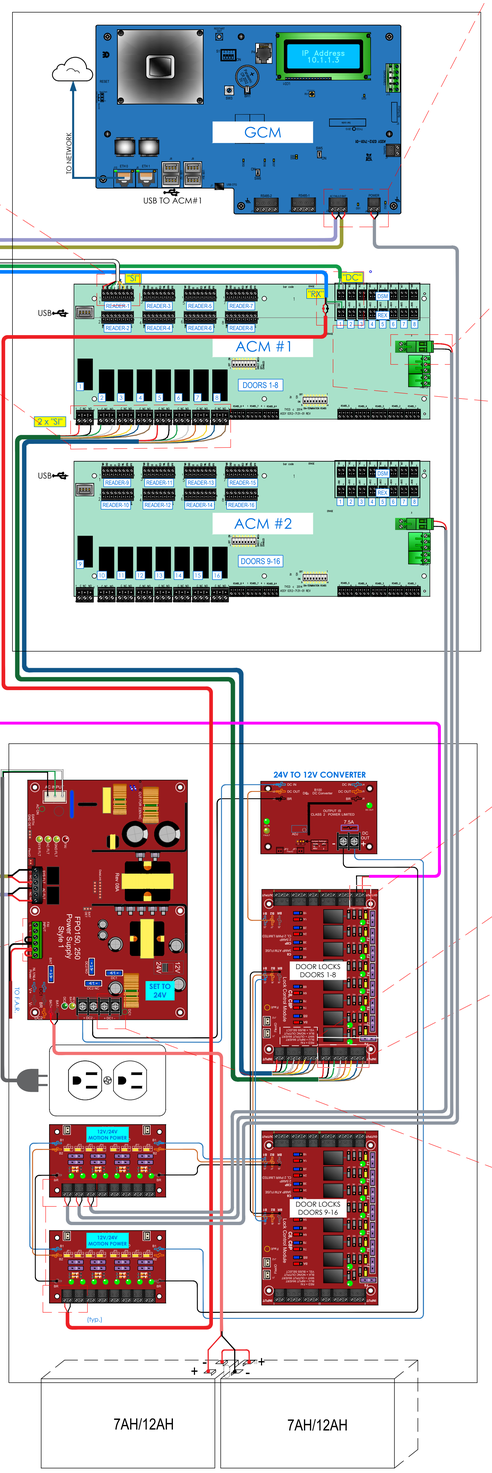


MOTION REX

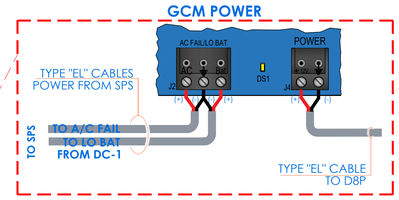


NOTE:
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· FIELD VERIFY EXACT LOCATION OF CARD READERS & OTHER DOOR DEVICES AT PROPER SIDE OF DOOR.

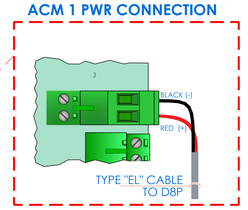
UPPER ENCLOSURE



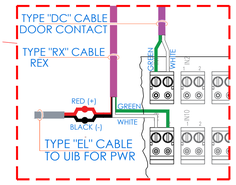
GCM POWER



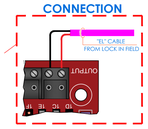
ACM 1 PWR CONNECTION



DOOR CONTACT & RTE INPUTS FOR DOOR #1

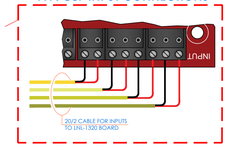


TYP. C8P LOCK CONNECTION

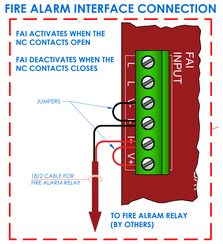


RED = FAI
BLU = INPUT INVERT
WHT = OUTPUT INVERT
BLK = NO/NC OUTPUT
YEL = BUSS SELECT

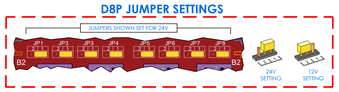
TYP. C8P INPUT CONNECTIONS



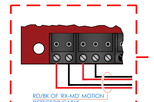
FIRE ALARM INTERFACE CONNECTION



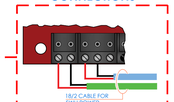
D8P JUMPER SETTINGS



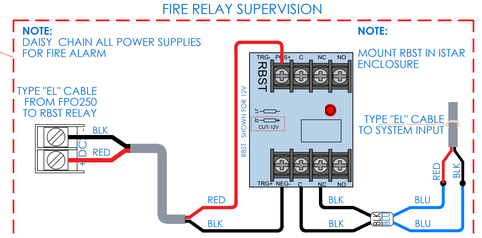
TYP. D8P MOTION DETECTOR CONNECTIONS



TYP. D8 BOARD POWER CONNECTIONS



FIRE RELAY SUPERVISION



NOTE:
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- FIELD VERIFY EXACT LOCATION OF CARD READERS & OTHER DOOR DEVICES AT PROPER SIDE OF DOOR.

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PROJECT:
FAMILY SCHOOL 32
1 MONTCLAIR PL
YONKERS, NY 10710

TITLE:
ULTRA SE TYPICAL WIRING DIAGRAM FOR 16 CR DOORS w/ MOTION REX - LSP

DESIGNED BY	DRAWN BY	CHECKED BY
XX	XX	XX

WORK ORDER NO:	DATE:
XXXXXX	7/21/2020
S.A. NO:	SCALE:
XXXXXX	DRAWING NO: SE-702-A

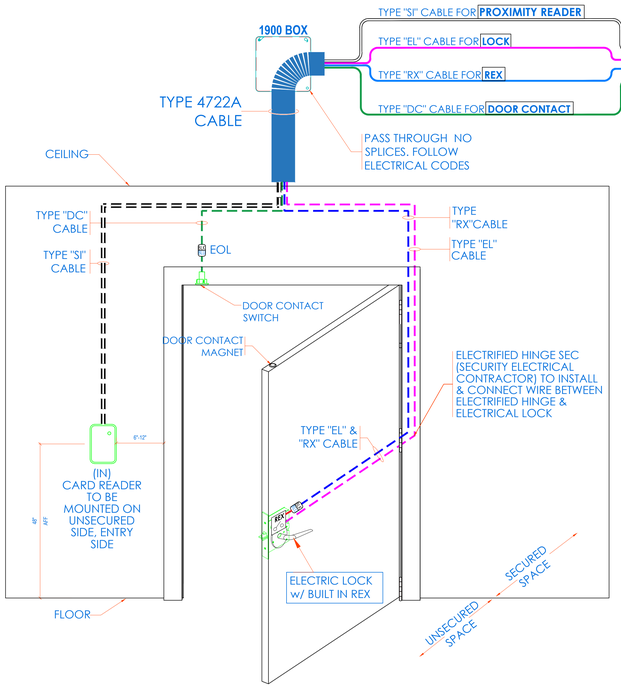
ULTRA SE TYPICAL WIRING DIAGRAM - BUILT-IN REX

NOTES:

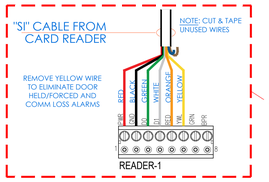
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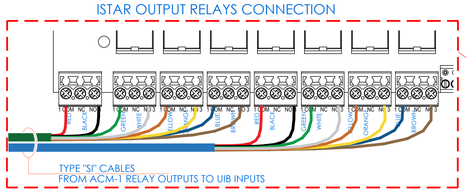
REX IN LOCK



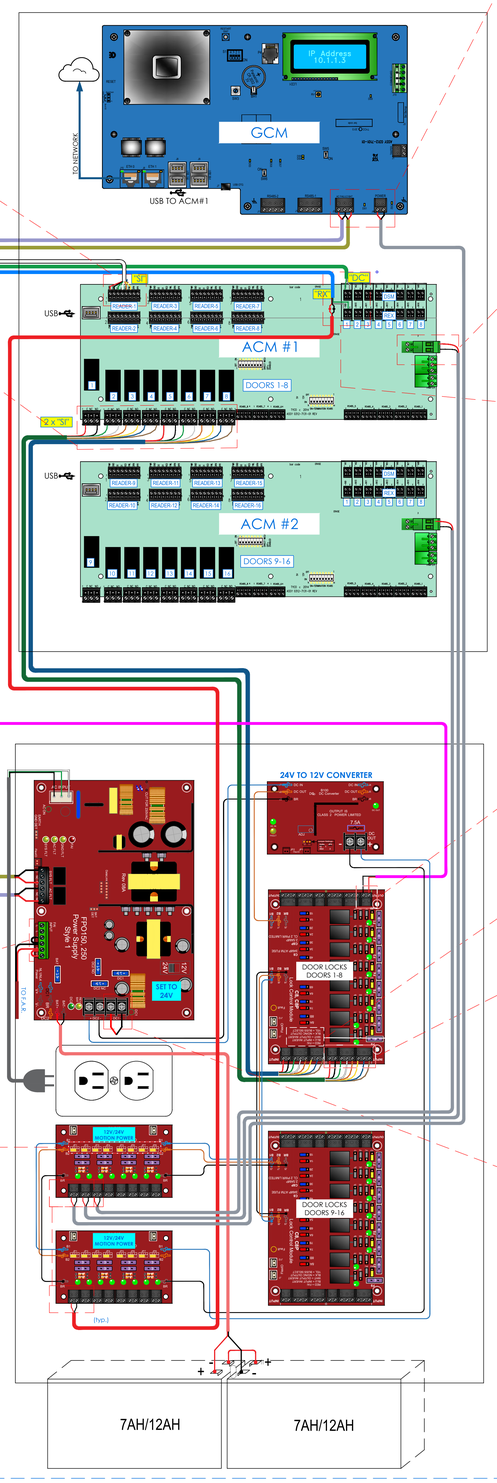
READER CONNECTIONS



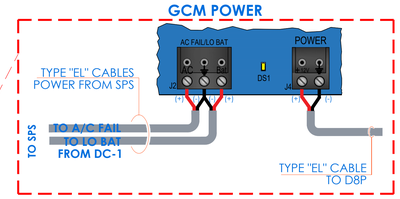
ISTAR OUTPUT RELAYS CONNECTION



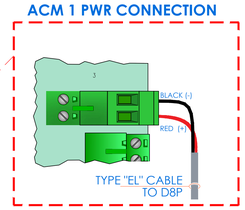
UPPER ENCLOSURE



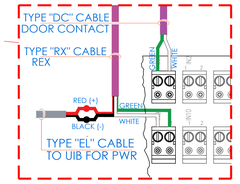
GCM POWER



ACM 1 PWR CONNECTION



DOOR CONTACT & RTE INPUTS FOR DOOR #1

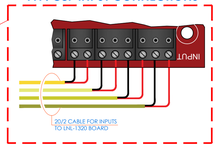


TYP. C8P LOCK CONNECTION

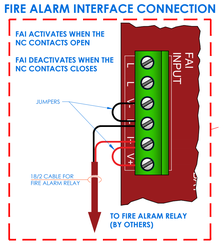


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BLK = NO/NC OUTPUT
YEL = BUSS SELECT

TYP. C8P INPUT CONNECTIONS



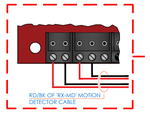
FIRE ALARM INTERFACE CONNECTION



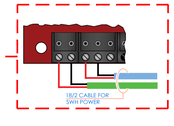
D8P JUMPER SETTINGS



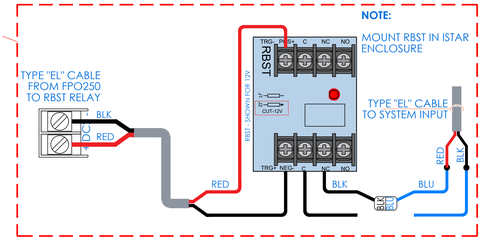
TYP. D8P MOTION DETECTOR CONNECTIONS



TYP. D8 BOARD POWER CONNECTIONS



FIRE RELAY SUPERVISION



NOTE:
- THIS IS A DEVICE CONNECTION DRAWING SHOWING A TYPICAL DOOR SETUP. THIS MAY OR MAY NOT REPRESENT THE ELECTRIFIED HARDWARE BEING USED ON THIS PROJECT. SEE DOOR TYPICAL FOR MORE INFORMATION AND CONFIRM HARDWARE TYPE FOR EACH SPECIFIC LOCATION PRIOR TO ANY INSTALLATION.
- FIELD VERIFY EXACT LOCATION OF CARD READERS & OTHER DOOR DEVICES AT PROPER SIDE OF DOOR.

ISSUED FOR:

DATE	COMMENTS
7/21/2020	FIRST SUBMISSION
12/12/2023	ISSUED FOR APPROVAL

ITG Larson, Inc.
155 Lafayette Ave
White Plains, NY 10603

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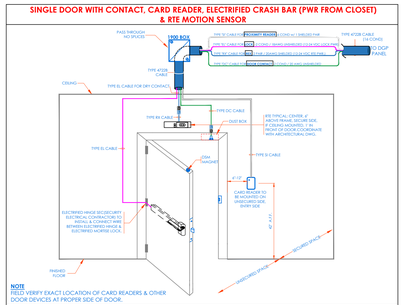
PROJECT:
FAMILY SCHOOL 32
1 MONTCLAIR PL
YONKERS, NY 10710

TITLE:
ULTRA SE TYPICAL WIRING DIAGRAM FOR 16 CR DOORS w/ BUILT-IN REX - LSP

DESIGNED BY	DRAWN BY	CHECKED BY
XX	XX	XX

WORK ORDER NO: XXXXXX	DATE: 7/21/2020
S.A. NO: XXXXXX	SCALE:
	DRAWING NO: SE-702-B

SINGLE DOOR WITH CONTACT, CARD READER, ELECTRIFIED CRASH BAR (PWR FROM CLOSET) & RTE MOTION SENSOR

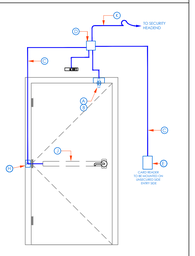


NOTE
FIELD VERIFY EXACT LOCATION OF CARD READERS & OTHER DOOR DEVICES AT PROPER SIDE OF DOOR.

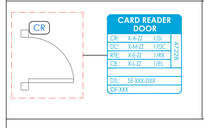
CONDUIT AND WIRING ROUGH-IN LAYOUT

DOOR CONDUIT NOTES:

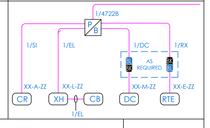
- (A) INSTALL SENTROL 1078C RECESS SWITCH IN DOOR FRAME DUST BOX.
- (B) INSTALL SENTROL 1078C RECESS MAGNET IN TO TOP DOOR.
- (C) PROVIDE AND INSTALL 3/4" CONDUIT WITH WIRING FROM DOOR DEVICES TO BACK BOX (D) .
- (D) INSTALL 4 11/16" SQ. BACKBOX, WITH PROPER EXTENSION AND PLATE ON SECURE SIDE OF DOOR.
- (E) PROVIDE 2-1/2" DEEP SINGLE GANG MASONRY BOX FLUSH MOUNTED 42" A.F.F. AND 6'-12" AWAY FROM DOOR FRAME ON UNSECURED SIDE AS PER ARCHITECTS INTERIOR ELEVATIONS
- (G) USE EXISTING HOLE FROM CENTER OF ELECTRIFIED HINGE AT DOOR SIDE AND CONNECT TO CRASH BAR: USING 2 COND 18 AWG WIRE, MAINTAIN DOOR RATING DRILLING BY AUTHORIZED PERSONNEL ONLY.
- (H) POWER TRANSFER HINGE OR KNUCKLE AND WIRING JUNCTION BOX W/LOCK POWER WIRING.
- (J) CRASH BAR
- (K) INSTALL 1" CONDUIT TO LOCAL IDF CLOSET WHERE ACCESSIBLE AND IN BASEMENT AREAS. PLENUM7228 CABLE ABOVE ACCESSIBLE CEILING.



FLOOR PLAN DIAGRAM



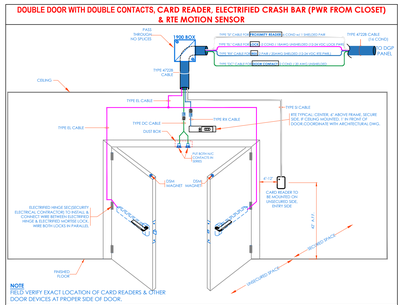
RISER DIAGRAM



Symbol on Dwgs: CR DC CB XH RTE

DTL: D01A

DOUBLE DOOR WITH DOUBLE CONTACTS, CARD READER, ELECTRIFIED CRASH BAR (PWR FROM CLOSET) & RTE MOTION SENSOR

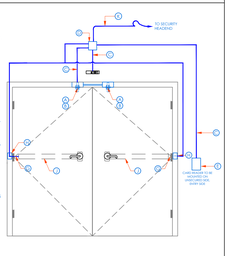


NOTE
FIELD VERIFY EXACT LOCATION OF CARD READERS & OTHER DOOR DEVICES AT PROPER SIDE OF DOOR.

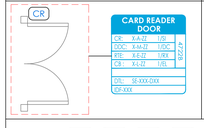
CONDUIT AND WIRING ROUGH-IN LAYOUT

DOOR CONDUIT NOTES:

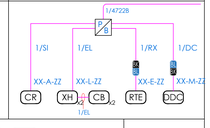
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FLOOR PLAN DIAGRAM



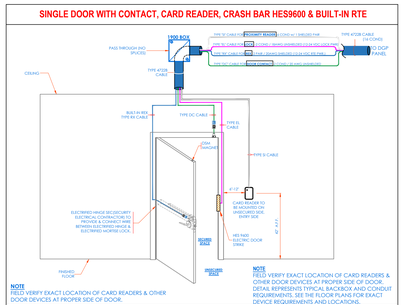
RISER DIAGRAM



Symbol on Dwgs: CR DDC CB XH RTE

DTL: D02A

SINGLE DOOR WITH CONTACT, CARD READER, CRASH BAR HES9600 & BUILT-IN RTE



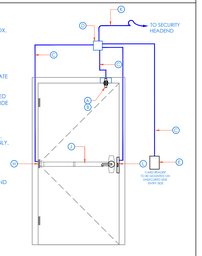
NOTE
FIELD VERIFY EXACT LOCATION OF CARD READERS & OTHER DOOR DEVICES AT PROPER SIDE OF DOOR.

NOTE
FIELD VERIFY EXACT LOCATION OF CARD READERS & OTHER DOOR DEVICES AT PROPER SIDE OF DOOR. DETAIL REPRESENTS TYPICAL BACKBOX AND CONDUIT REQUIREMENTS. SEE THE FLOOR PLANS FOR EXACT DEVICE REQUIREMENTS AND LOCATIONS.

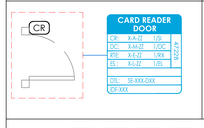
CONDUIT AND WIRING ROUGH-IN LAYOUT

DOOR CONDUIT NOTES:

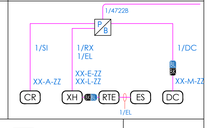
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- (H) SURFACE MOUNT ELECTRIC STRIKE - HES 9600
- (J) CRASH BAR
- (K) PROVIDE 1" CONDUIT TO LOCAL IDF CLOSET WHERE ACCESSIBLE AND IN BASEMENT AREAS. PLENUM7228 CABLE ABOVE ACCESSIBLE CEILING.
- (L) SURFACE MOUNT ELECTRIC STRIKE - HES 9600



FLOOR PLAN DIAGRAM



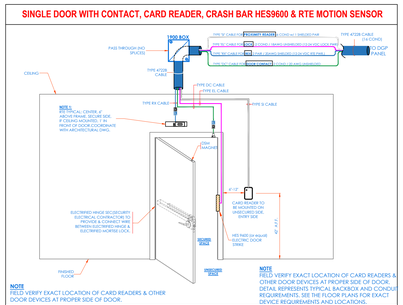
RISER DIAGRAM



Symbol on Dwgs: CR XH ES DC RTE

DTL: D04A

SINGLE DOOR WITH CONTACT, CARD READER, CRASH BAR HES9600 & RTE MOTION SENSOR



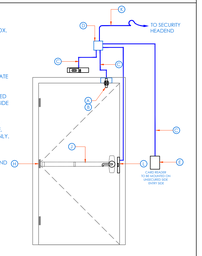
NOTE 1
(8'8" TYPICAL CENTER, 6" ABOVE FRAME. SECURE SIDE OF CEILING MOUNTED, 1" IN FROM OF DOOR, COORDINATE WITH ARCHITECTURAL DWG.

NOTE
FIELD VERIFY EXACT LOCATION OF CARD READERS & OTHER DOOR DEVICES AT PROPER SIDE OF DOOR.

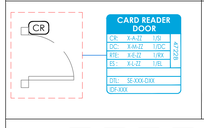
CONDUIT AND WIRING ROUGH-IN LAYOUT

DOOR CONDUIT NOTES:

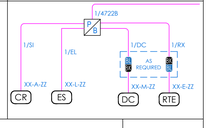
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FLOOR PLAN DIAGRAM



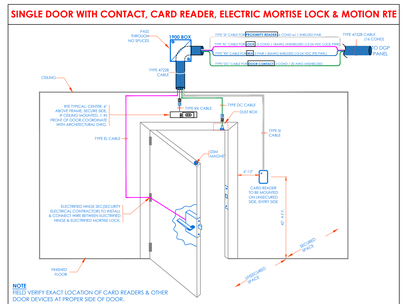
RISER DIAGRAM



Symbol on Dwgs: CR ES DC RTE

DTL: D04B

SINGLE DOOR WITH CONTACT, CARD READER, ELECTRIC MORTISE LOCK & MOTION RTE

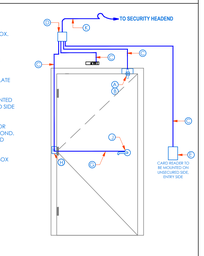


NOTE
FIELD VERIFY EXACT LOCATION OF CARD READERS & OTHER DOOR DEVICES AT PROPER SIDE OF DOOR.

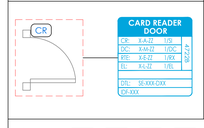
CONDUIT AND WIRING ROUGH-IN LAYOUT

DOOR CONDUIT NOTES:

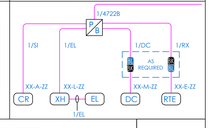
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FLOOR PLAN DIAGRAM



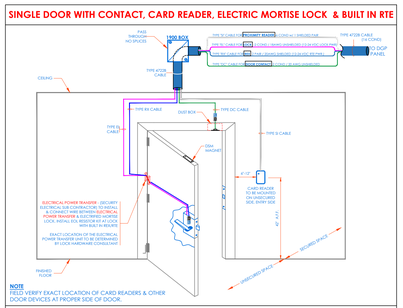
RISER DIAGRAM



Symbol on Dwgs: CR XH EL DC RTE

DTL: D05

SINGLE DOOR WITH CONTACT, CARD READER, ELECTRIC MORTISE LOCK & BUILT IN RTE

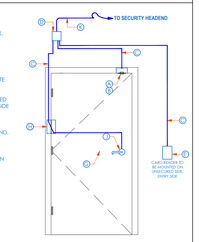


NOTE
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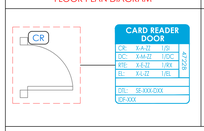
CONDUIT AND WIRING ROUGH-IN LAYOUT

DOOR CONDUIT NOTES:

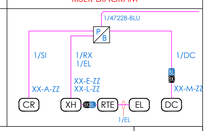
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FLOOR PLAN DIAGRAM



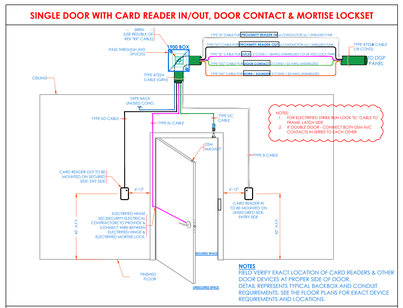
RISER DIAGRAM



Symbol on Dwgs: CR XH EL DC RTE

DTL: D06

SINGLE DOOR WITH CARD READER IN/OUT, DOOR CONTACT & MORTISE LOCKSET



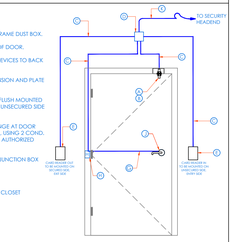
NOTES
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DETAIL REPRESENTS TYPICAL BACKBOX AND CONDUIT REQUIREMENTS. SEE THE FLOOR PLANS FOR EXACT DEVICE REQUIREMENTS AND LOCATIONS.

CONDUIT AND WIRING ROUGH-IN LAYOUT

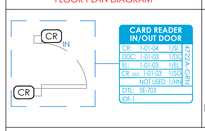
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- (J) ELECTRIC MORTISE LOCKSET.
- (K) PROVIDE 1" CONDUIT TO LOCAL SECURITY HEADEND CLOSET ACCESSIBLE. PLENUM7228 CABLE ABOVE ACCESSIBLE CEILING.

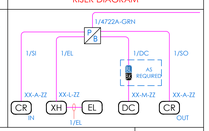
NOTE:
CHECK FLOOR PLAN & COORDINATE WITH G.C. SOME EXIT CARD READERS ARE NOT OPPOSITE THE ENTRY CARD READER, BUT, ARE MOUNTED ON THE OPPOSITE SIDE OF THE DOOR.



FLOOR PLAN DIAGRAM



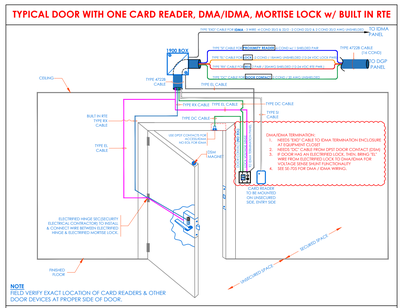
RISER DIAGRAM



Symbol on Dwgs: CR IN XH EL DC CR OUT

DTL: D07

TYPICAL DOOR WITH ONE CARD READER, DMA/IDMA, MORTISE LOCK w/ BUILT IN RTE

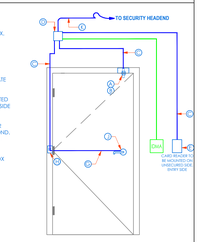


NOTE
FIELD VERIFY EXACT LOCATION OF CARD READERS & OTHER DOOR DEVICES AT PROPER SIDE OF DOOR.

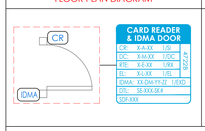
CONDUIT AND WIRING ROUGH-IN LAYOUT

DOOR CONDUIT NOTES:

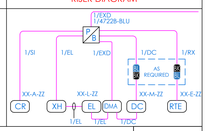
- (A) INSTALL APPROPRIATE DOOR CONTACT IN DOOR FRAME DUST BOX.
- (B) INSTALL ASSOCIATED MATCHING MAGNET IN TOP OF DOOR.
- (C) PROVIDE AND INSTALL 3/4" CONDUIT WITH WIRING FROM DOOR DEVICES TO BACK BOX (D) .
- (D) INSTALL 4 11/16" SQ. BACKBOX, WITH PROPER EXTENSION AND PLATE ON SECURE SIDE OF DOOR.
- (E) PROVIDE 2-1/2" DEEP SINGLE GANG MASONRY BOX FLUSH MOUNTED 42" A.F.F. AND 6'-12" AWAY FROM DOOR FRAME ON UNSECURED SIDE AS PER ARCHITECTS INTERIOR ELEVATIONS
- (G) USE EXISTING HOLE FROM CENTER OF ELECTRIFIED HINGE AT DOOR SIDE AND CONNECT TO ELECTRIFIED LOCK OR STRIKE, USING 2 COND. 18 AWG WIRE, MAINTAIN DOOR RATING DRILLING BY AUTHORIZED PERSONNEL ONLY.
- (H) POWER TRANSFER HINGE OR KNUCKLE AND WIRING JUNCTION BOX W/LOCK POWER WIRING.
- (J) ELECTRIC MORTISE LOCKSET.
- (K) INSTALL 1" CONDUIT TO LOCAL SECURITY HEADEND CLOSET ACCESSIBLE. PLENUM7228 CABLE ABOVE ACCESSIBLE CEILING.



FLOOR PLAN DIAGRAM



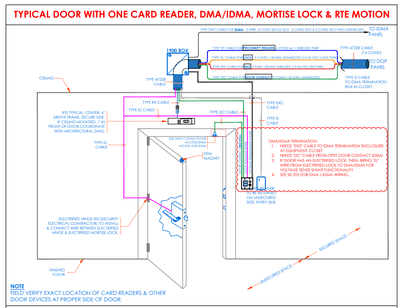
RISER DIAGRAM



Symbol on Dwgs: CR XH EL DC RTE IDMA

DTL: D09A

TYPICAL DOOR WITH ONE CARD READER, DMA/IDMA, MORTISE LOCK & RTE MOTION

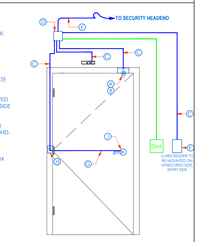


NOTE
FIELD VERIFY EXACT LOCATION OF CARD READERS & OTHER DOOR DEVICES AT PROPER SIDE OF DOOR.

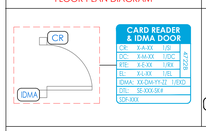
CONDUIT AND WIRING ROUGH-IN LAYOUT

DOOR CONDUIT NOTES:

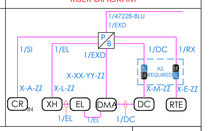
- (A) INSTALL APPROPRIATE DOOR CONTACT IN DOOR FRAME DUST BOX.
- (B) INSTALL ASSOCIATED MATCHING MAGNET IN TOP OF DOOR.
- (C) PROVIDE AND INSTALL 3/4" CONDUIT WITH WIRING FROM DOOR DEVICES TO BACK BOX (D) .
- (D) INSTALL 4 11/16" SQ. BACKBOX, WITH PROPER EXTENSION AND PLATE ON SECURE SIDE OF DOOR.
- (E) PROVIDE 2-1/2" DEEP SINGLE GANG MASONRY BOX FLUSH MOUNTED 42" A.F.F. AND 6'-12" AWAY FROM DOOR FRAME ON UNSECURED SIDE AS PER ARCHITECTS INTERIOR ELEVATIONS
- (G) USE EXISTING HOLE FROM CENTER OF ELECTRIFIED HINGE AT DOOR SIDE AND CONNECT TO ELECTRIFIED LOCK OR STRIKE, USING 2 COND. 18 AWG WIRE, MAINTAIN DOOR RATING DRILLING BY AUTHORIZED PERSONNEL ONLY.
- (H) POWER TRANSFER HINGE OR KNUCKLE AND WIRING JUNCTION BOX W/LOCK POWER WIRING.
- (J) ELECTRIC MORTISE LOCKSET.
- (K) INSTALL 1" CONDUIT TO LOCAL SECURITY HEADEND CLOSET ACCESSIBLE. PLENUM7228 CABLE ABOVE ACCESSIBLE CEILING.



FLOOR PLAN DIAGRAM



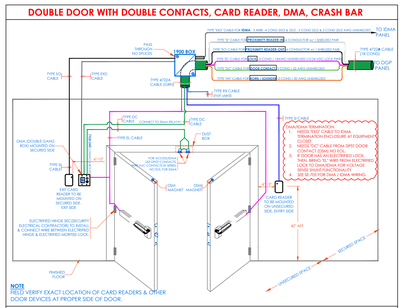
RISER DIAGRAM



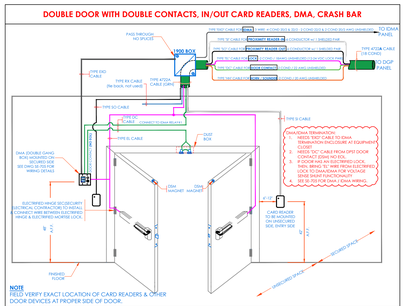
Symbol on Dwgs: CR XH EL DC RTE IDMA

DTL: D09B

DOUBLE DOOR WITH DOUBLE CONTACTS, CARD READER, DMA, CRASH BAR


1900 BOX
TO IDMA PANEL
TO DDP PANEL
TYPE 4/22A CABLE (QTY)
TYPE SD CABLE
TYPE DC CABLE
TYPE EL CABLE
TYPE S CABLE
CRM MAGNET
DMA/IDMA TERMINATION:
1. MEETS TIA/EIA-485-A DMA TERMINATION ENCLOSURE AT EQUIPMENT CLOSET
2. MEETS TIA/EIA-485-A DMA TERMINATION ENCLOSURE AT EQUIPMENT CLOSET
3. MEETS TIA/EIA-485-A DMA TERMINATION ENCLOSURE AT EQUIPMENT CLOSET
4. 8 COND MIN.) AN ELECTRIFIED LOCK, THEN, BRING "S" WIRE FROM ELECTRIFIED LOCK TO

DOUBLE DOOR WITH DOUBLE CONTACTS, IN/OUT CARD READERS, DMA, CRASH BAR

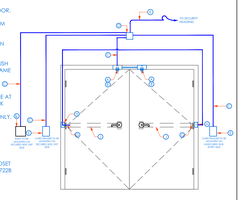


NOTE
FIELD VERIFY EXACT LOCATION OF CARD READERS & OTHER DOOR DEVICES AT PROPER SIDE OF DOOR.

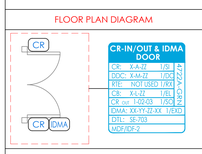
CONDUIT AND WIRING ROUGH-IN LAYOUT

DOOR CONDUIT NOTES:

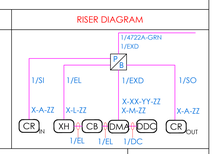
- (A) INSTALL SENTROL 1078C RECESS SWITCH IN DOOR FRAME DUST BOX.
- (B) INSTALL SENTROL 1078C RECESS MAGNET IN TO TOP DOOR.
- (C) PROVIDE AND INSTALL 3/4" CONDUIT WITH WIRING FROM DOOR DEVICES TO BACK BOX (D) .
- (D) INSTALL 4 11/16" SQ. BACKBOX, WITH PROPER EXTENSION AND PLATE ON SECURE SIDE OF DOOR.
- (E) PROVIDE 2-1/2" DEEP SINGLE GANG MASONRY BOX FLUSH MOUNTED 42" A.F.F. AND 6'-12" AWAY FROM DOOR FRAME ON UNSECURED SIDE AS PER ARCHITECT'S INTERIOR ELEVATIONS
- (G) USE EXISTING HOLE FROM CENTER OF ELECTRIFIED HINGE AT DOOR SIDE AND CONNECT TO ELECTRIFIED HINGE LOCK OR STRIKE; USING 2 COND 18 AWG WIRE, MAINTAIN DOOR RATING DRILLING BY AUTHORIZED PERSONNEL ONLY.
- (H) POWER TRANSFER HINGE OR KNUCKLE AND WIRING JUNCTION BOX W/LOCK POWER WIRING.
- (J) CRASH BAR
- (K) INSTALL 1" CONDUIT TO LOCAL SECURITY HEADEND CLOSET WHERE ACCESSIBLE AND IN BASEMENT AREAS. PLENUM7228 CABLE ABOVE ACCESSIBLE CEILING.
- (L) INSTALL DOUBLE GANG BACK BOX FOR IDMA DEVICE.



FLOOR PLAN DIAGRAM



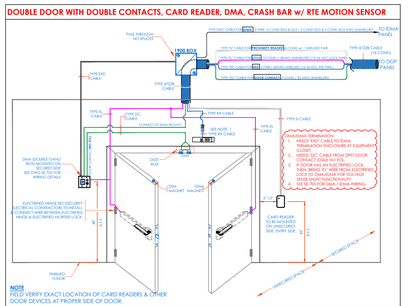
RISER DIAGRAM



Symbol on Dwgs: CR IDMA XH CB DDC

DTL: D08A

DOUBLE DOOR WITH DOUBLE CONTACTS, CARD READER, DMA, CRASH BAR w/ RTE MOTION SENSOR

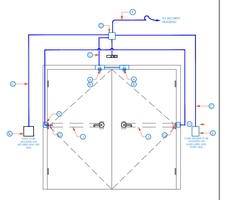


NOTE
FIELD VERIFY EXACT LOCATION OF CARD READERS & OTHER DOOR DEVICES AT PROPER SIDE OF DOOR.

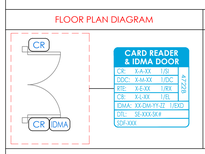
CONDUIT AND WIRING ROUGH-IN LAYOUT

DOOR CONDUIT NOTES:

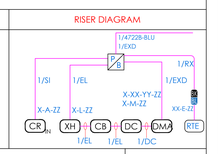
- (A) INSTALL SENTROL 1078C RECESS SWITCH IN DOOR FRAME DUST BOX.
- (B) INSTALL SENTROL 1078C RECESS MAGNET IN TO TOP DOOR.
- (C) PROVIDE AND INSTALL 3/4" CONDUIT WITH WIRING FROM DOOR DEVICES TO BACK BOX (D) .
- (D) INSTALL 4 11/16" SQ. BACKBOX, WITH PROPER EXTENSION AND PLATE ON SECURE SIDE OF DOOR.
- (E) PROVIDE 2-1/2" DEEP SINGLE GANG MASONRY BOX FLUSH MOUNTED 42" A.F.F. AND 6'-12" AWAY FROM DOOR FRAME ON UNSECURED SIDE AS PER ARCHITECT'S INTERIOR ELEVATIONS
- (F) 1900 BOX-PANIC HARDWARE POWER SUPPLY REQUIRE A 110VAC
- (G) USE EXISTING HOLE FROM CENTER OF ELECTRIFIED HINGE AT DOOR SIDE AND CONNECT TO ELECTRIFIED HINGE LOCK OR STRIKE; USING 2 COND 18 AWG WIRE, MAINTAIN DOOR RATING DRILLING BY AUTHORIZED PERSONNEL ONLY.
- (H) POWER TRANSFER HINGE OR KNUCKLE AND WIRING JUNCTION BOX W/LOCK POWER WIRING.
- (J) CRASH BAR
- (K) INSTALL 1" CONDUIT TO LOCAL SECURITY HEADEND CLOSET WHERE ACCESSIBLE AND IN BASEMENT AREAS. PLENUM7228 CABLE ABOVE ACCESSIBLE CEILING.
- (L) INSTALL DOUBLE GANG BACK BOX FOR IDMA DEVICE.



FLOOR PLAN DIAGRAM



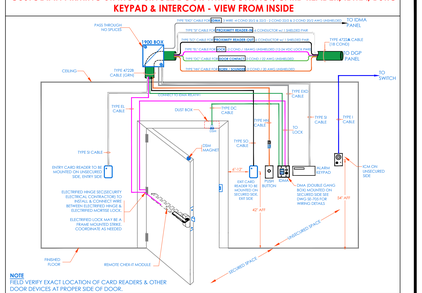
RISER DIAGRAM



Symbol on Dwgs: CR IDMA XH CB DDC RTE

DTL: D08B

CUSTODIAN ARMING STATION-SINGLE DOOR WITH CONTACT, CARD READER, IDMA, BURG KEYPAD & INTERCOM - VIEW FROM INSIDE

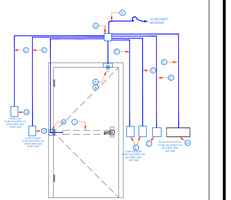


NOTE
FIELD VERIFY EXACT LOCATION OF CARD READERS & OTHER DOOR DEVICES AT PROPER SIDE OF DOOR.

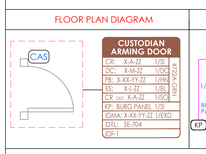
CONDUIT AND WIRING ROUGH-IN LAYOUT

DOOR CONDUIT NOTES:

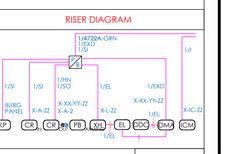
- (A) INSTALL SENTROL 1078C RECESS SWITCH IN DOOR FRAME DUST BOX.
- (B) INSTALL SENTROL 1078C RECESS MAGNET IN TO TOP DOOR.
- (C) PROVIDE AND INSTALL 3/4" CONDUIT WITH WIRING FROM DOOR DEVICES TO BACK BOX (D) .
- (D) INSTALL 4 11/16" SQ. BACKBOX, WITH PROPER EXTENSION AND PLATE ON SECURE SIDE OF DOOR.
- (E) PROVIDE 2-1/2" DEEP SINGLE GANG MASONRY BOX FLUSH MOUNTED 42" A.F.F. AND 6'-12" AWAY FROM DOOR FRAME ON UNSECURED SIDE AS PER ARCHITECT'S INTERIOR ELEVATIONS
- (G) USE EXISTING HOLE FROM CENTER OF ELECTRIFIED HINGE AT DOOR SIDE AND CONNECT TO ELECTRIFIED HINGE LOCK OR STRIKE; USING 2 COND 18 AWG WIRE, MAINTAIN DOOR RATING DRILLING BY AUTHORIZED PERSONNEL ONLY.
- (H) POWER TRANSFER HINGE OR KNUCKLE AND WIRING JUNCTION BOX W/LOCK POWER WIRING.
- (J) CRASH BAR
- (K) INSTALL 1" CONDUIT TO LOCAL IDF CLOSET WHERE ACCESSIBLE AND IN BASEMENT AREAS. PLENUM7228 CABLE ABOVE ACCESSIBLE CEILING.
- (L) INSTALL A DOUBLE GANG BOX FOR THE IDMA
- (M) INSTALL A TRIPLE GANG BOX FOR THE BURG KEYPAD
- (N) INSTALL A TRIPLE GANG BOX FOR THE INTERCOM



FLOOR PLAN DIAGRAM



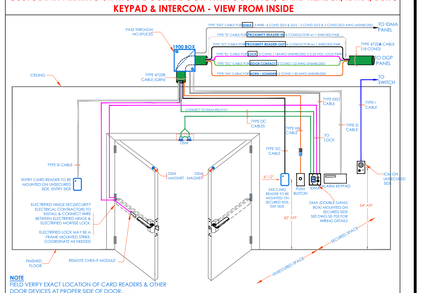
RISER DIAGRAM



Symbol on Dwgs: KP CR IN CR OUT PB ANNUNC XH EL DC DMA ICM

DTL: D11

CUSTODIAN ARMING STATION-DOUBLE DOOR WITH CONTACT, CARD READER, IDMA, BURG KEYPAD & INTERCOM - VIEW FROM INSIDE

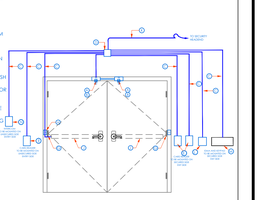


NOTE
FIELD VERIFY EXACT LOCATION OF CARD READERS & OTHER DOOR DEVICES AT PROPER SIDE OF DOOR.

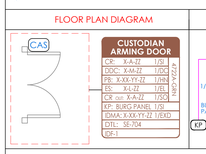
CONDUIT AND WIRING ROUGH-IN LAYOUT

DOOR CONDUIT NOTES:

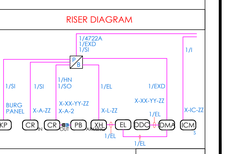
- (A) INSTALL SENTROL 1078C RECESS SWITCH IN DOOR FRAME DUST BOX.
- (B) INSTALL SENTROL 1078C RECESS MAGNET IN TO TOP DOOR.
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- (D) INSTALL 4 11/16" SQ. BACKBOX, WITH PROPER EXTENSION AND PLATE ON SECURE SIDE OF DOOR.
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- (H) POWER TRANSFER HINGE OR KNUCKLE AND WIRING JUNCTION BOX W/LOCK POWER WIRING.
- (J) CRASH BAR
- (K) INSTALL 1" CONDUIT TO LOCAL SECURITY HEADEND CLOSET WHERE ACCESSIBLE AND IN BASEMENT AREAS. PLENUM7228 CABLE ABOVE ACCESSIBLE CEILING.



FLOOR PLAN DIAGRAM



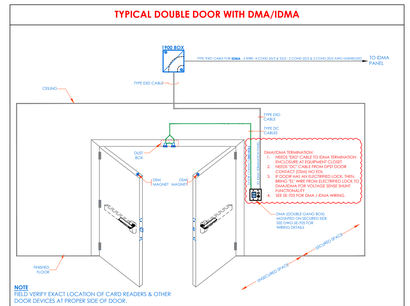
RISER DIAGRAM



Symbol on Dwgs: KP CR IN CR OUT PB ANNUNC XH EL DDC DMA ICM

DTL: D12

TYPICAL DOUBLE DOOR WITH DMA/IDMA

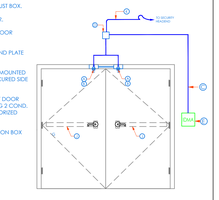


NOTE
FIELD VERIFY EXACT LOCATION OF CARD READERS & OTHER DOOR DEVICES AT PROPER SIDE OF DOOR.

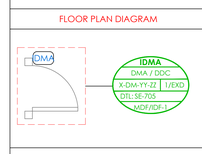
CONDUIT AND WIRING ROUGH-IN LAYOUT

DOOR CONDUIT NOTES:

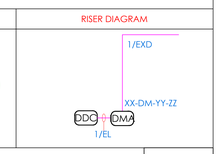
- (A) INSTALL APPROPRIATE DOOR CONTACT IN DOOR FRAME DUST BOX.
- (B) INSTALL ASSOCIATED MATCHING MAGNET IN TOP OF DOOR.
- (C) PROVIDE AND INSTALL 3/4" CONDUIT WITH WIRING FROM DOOR DEVICES TO BACK BOX (D) .
- (D) INSTALL 4 11/16" SQ. BACKBOX, WITH PROPER EXTENSION AND PLATE ON SECURED SIDE OF DOOR.
- (E) PROVIDE 2-1/2" DEEP SINGLE GANG MASONRY BOX FLUSH MOUNTED 42" A.F.F. AND 6'-12" AWAY FROM DOOR FRAME ON UNSECURED SIDE AS PER ARCHITECT'S INTERIOR ELEVATIONS
- (G) USE EXISTING HOLE FROM CENTER OF ELECTRIFIED HINGE AT DOOR SIDE AND CONNECT TO ELECTRIFIED HINGE LOCK OR STRIKE; USING 2 COND 18 AWG WIRE, MAINTAIN DOOR RATING DRILLING BY AUTHORIZED PERSONNEL ONLY.
- (H) POWER TRANSFER HINGE OR KNUCKLE AND WIRING JUNCTION BOX W/LOCK POWER WIRING.
- (J) ELECTRIC MORTISE LOCKSET.
- (K) INSTALL 1" CONDUIT TO LOCAL SECURITY HEADEND CLOSET ACCESSIBLE. PLENUM7228 CABLE ABOVE ACCESSIBLE CEILING.



FLOOR PLAN DIAGRAM



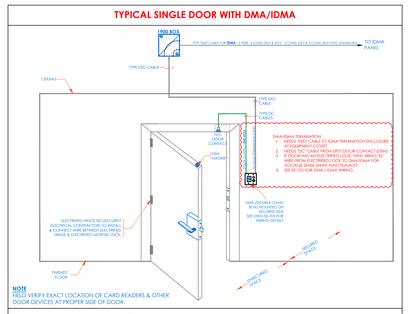
RISER DIAGRAM



Symbol on Dwgs: DDC DMA

DTL: D13

TYPICAL SINGLE DOOR WITH DMA/IDMA

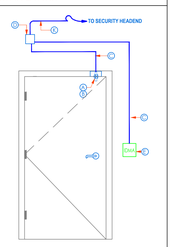


NOTE
FIELD VERIFY EXACT LOCATION OF CARD READERS & OTHER DOOR DEVICES AT PROPER SIDE OF DOOR.

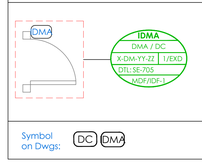
CONDUIT AND WIRING ROUGH-IN LAYOUT

DOOR CONDUIT NOTES:

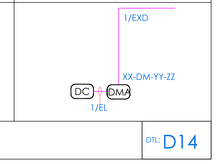
- (A) INSTALL APPROPRIATE DOOR CONTACT IN DOOR FRAME DUST BOX.
- (B) INSTALL ASSOCIATED MATCHING MAGNET IN TOP OF DOOR.
- (C) PROVIDE AND INSTALL 3/4" CONDUIT WITH WIRING FROM DOOR DEVICES TO BACK BOX (D) .
- (D) INSTALL 4 11/16" SQ. BACKBOX, WITH PROPER EXTENSION AND PLATE ON SECURED SIDE OF DOOR.
- (E) PROVIDE 2-1/2" DEEP SINGLE GANG MASONRY BOX FLUSH MOUNTED 42" A.F.F. AND 6'-12" AWAY FROM DOOR FRAME ON UNSECURED SIDE AS PER ARCHITECT'S INTERIOR ELEVATIONS
- (G) USE EXISTING HOLE FROM CENTER OF ELECTRIFIED HINGE AT DOOR SIDE AND CONNECT TO ELECTRIFIED HINGE LOCK OR STRIKE; USING 2 COND 18 AWG WIRE, MAINTAIN DOOR RATING DRILLING BY AUTHORIZED PERSONNEL ONLY.
- (H) POWER TRANSFER HINGE OR KNUCKLE AND WIRING JUNCTION BOX W/LOCK POWER WIRING.
- (J) ELECTRIC MORTISE LOCKSET.
- (K) INSTALL 1" CONDUIT TO LOCAL SECURITY HEADEND CLOSET WHERE ACCESSIBLE AND IN BASEMENT AREAS. PLENUM7228 CABLE ABOVE ACCESSIBLE CEILING.



FLOOR PLAN DIAGRAM



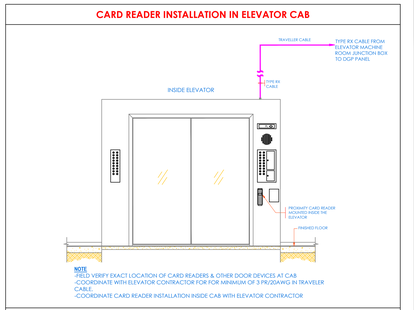
RISER DIAGRAM



Symbol on Dwgs: DC DMA

DTL: D14

CARD READER INSTALLATION IN ELEVATOR CAB

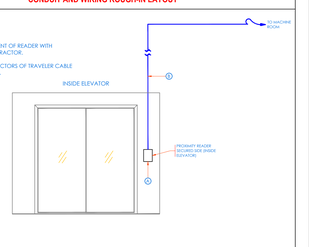


NOTE
-FIELD VERIFY EXACT LOCATION OF CARD READERS & OTHER DOOR DEVICES AT CAB
-COORDINATE WITH ELEVATOR CONTRACTOR FOR FOR MINIMUM OF 3 PR/20AWG IN TRAVELER CABLE
-COORDINATE CARD READER INSTALLATION INSIDE CAB WITH ELEVATOR CONTRACTOR

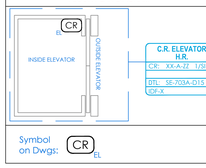
CONDUIT AND WIRING ROUGH-IN LAYOUT

DOOR CONDUIT NOTES:

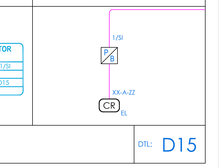
- (A) COORDINATE EXACT PLACEMENT OF READER WITH ARCHITECT & ELEVATOR CONTRACTOR.
- (B) COORDINATE PROPER CONDUCTORS OF TRAVELER CABLE WITH ELEVATOR CONTRACTOR.



FLOOR PLAN DIAGRAM



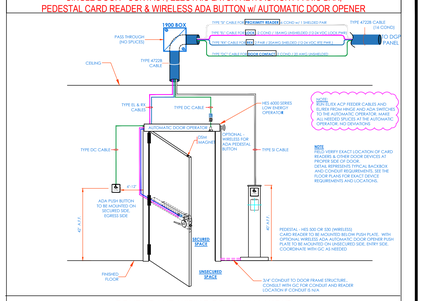
RISER DIAGRAM



Symbol on Dwgs: CR EL

DTL: D15

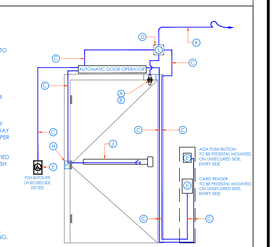
SINGLE DOOR - CONTACT, ELECTRIC LATCH RETRACTION / PANIC BAR, PEDESTAL CARD READER & WIRELESS ADA BUTTON w/ AUTOMATIC DOOR OPENER



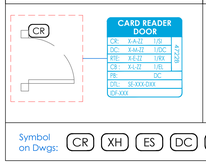
CONDUIT AND WIRING ROUGH-IN LAYOUT

DOOR CONDUIT NOTES:

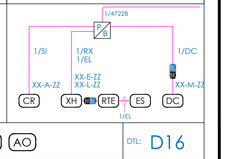
- (A) PROVIDE SENTROL 1078C RECESS SWITCH IN DOOR FRAME DUST BOX
- (B) PROVIDE SENTROL 1078C RECESS MAGNET IN TO TOP DOOR.
- (C) PROVIDE 3/4" CONDUIT WITH WIRING FROM DOOR DEVICES TO BACK BOX (D) .
- (D) PROVIDE 4 11/16" SQ. BACKBOX, WITH PROPER EXTENSION AND PLATE ON SECURE SIDE OF DOOR.
- (E) PROVIDE 2-1/2" DEEP SINGLE GANG MASONRY BOX FLUSH-MOUNTED 42" A.F.F. AND 6'-12" AWAY FROM DOOR FRAME ON UNSECURED SIDE AS PER ARCHITECT'S INTERIOR ELEVATIONS
- (G) USE EXISTING HOLE FROM CENTER OF ELECTRIFIED HINGE AT DOOR SIDE AND CONNECT TO ELECTRIFIED HINGE LOCK OR STRIKE; USING 2 COND 18 AWG WIRE, MAINTAIN DOOR RATING DRILLING BY AUTHORIZED PERSONNEL ONLY.
- (H) POWER TRANSFER HINGE OR KNUCKLE AND WIRING JUNCTION BOX W/LOCK POWER WIRING.
- (J) CRASH BAR
- (K) PROVIDE 1" CONDUIT TO LOCAL IDF CLOSET WHERE ACCESSIBLE AND IN BASEMENT AREAS. PLENUM7228 CABLE ABOVE ACCESSIBLE CEILING.
- (L) SURFACE MOUNT ELECTRIC STRIKE - HES 9600
- (M) SURFACE MOUNT ELECTRIC STRIKE - HES 9600



FLOOR PLAN DIAGRAM



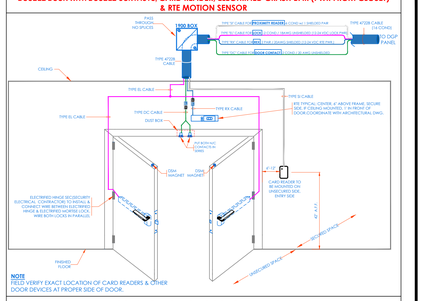
RISER DIAGRAM



Symbol on Dwgs: CR XH ES DC AO

DTL: D16

DOUBLE DOOR WITH DOUBLE CONTACTS, CARD READER, ELECTRIFIED CRASH BAR (PWR FROM CLOSET) & RTE MOTION SENSOR



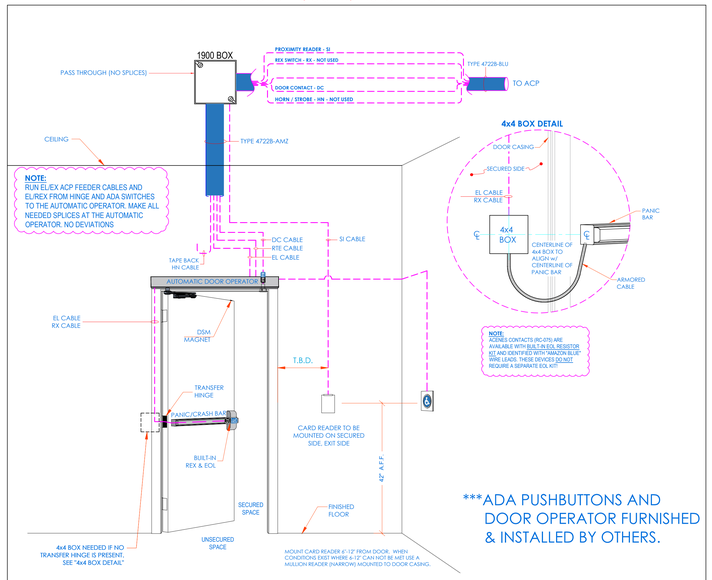
NOTE
FIELD VERIFY EXACT LOCATION OF CARD READERS & OTHER DOOR DEVICES AT PROPER SIDE OF DOOR.

CONDUIT AND WIRING ROUGH-IN LAYOUT

DOOR CONDUIT NOTES:

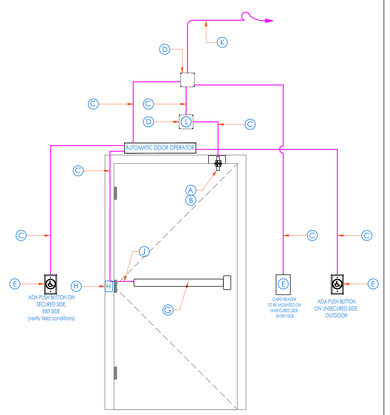
- (A) INSTALL SENTROL 1078C RECESS SWITCH IN DOOR FRAME DUST BOX.
- (B) INSTALL SENTROL 1078C RECESS MAGNET IN TO TOP DOOR.
- (C) PROVIDE AND INSTALL 3/4" CONDUIT WITH WIRING FROM DOOR DEVICES TO BACK BOX (D) .
- (D) INSTALL 4 11/16" SQ. BACKBOX, WITH PROPER EXTENSION AND PLATE ON SECURE SIDE OF DOOR.
- (E) PROVIDE 2-1/2" DEEP SINGLE GANG MASONRY BOX FLUSH MOUNTED 42" A.F.F. AND 6'-12" AWAY FROM DOOR FRAME ON UNSECURED SIDE AS PER ARCHITEC

SINGLE DOOR - CONTACTS, ELECTRIC LATCH RETRACTION / PANIC BAR, IN/OUT CARD READERS & ADA BUTTONS -IN/OUT w/ AUTOMATIC DOOR OPENER



***ADA PUSHBUTTONS AND DOOR OPERATOR FURNISHED & INSTALLED BY OTHERS.

CONDUIT AND WIRING ROUGH-IN LAYOUT



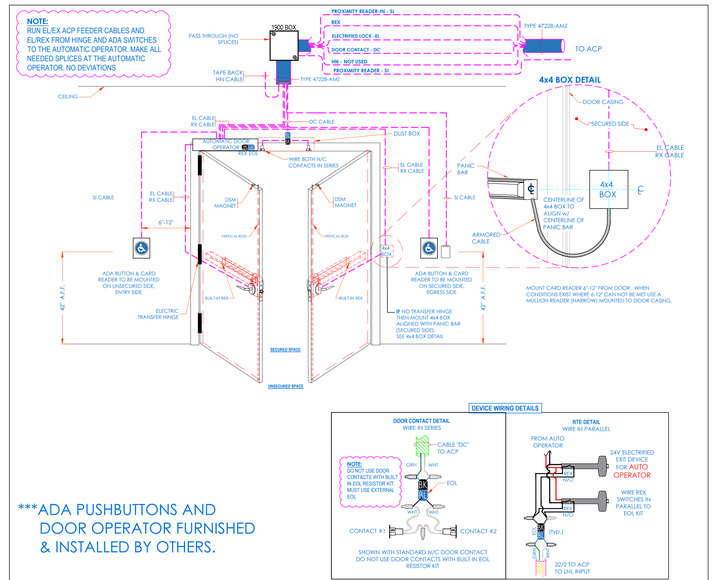
DOOR CONDUIT NOTES:

- (A) PROVIDE APPROPRIATE DOOR CONTACT IN DOOR FRAME DUST BOX.
- (B) PROVIDE ASSOCIATED MATCHING MAGNET IN TOP OF DOOR.
- (C) PROVIDE 3/4" CONDUIT WITH WIRING FROM DOOR DEVICES TO BACK BOX (D).
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- (E) PROVIDE 2-1/2" DEEP SINGLE GANG MASONRY BOX FLUSH MOUNTED 42" A.F.F. AND 6"-12" AWAY FROM DOOR FRAME ON UNSECURED SIDE OR PER ARCHITECTS INTERIOR ELEVATIONS
- (G) USE EXISTING HOLE FROM CENTER OF ELECTRIFIED HINGE AT DOOR SIDE AND CONNECT TO ELECTRIFIED LOCK OR STRIKE, USING 2 COND. 18 AWG WIRE. MAINTAIN DOOR RATING DRILLING BY AUTHORIZED PERSONNEL ONLY.
- (H) POWER TRANSFER HINGE OR KNUCKLE AND WIRING JUNCTION BOX W/LOCK POWER WIRING.
- (J) ELECTRIC MORTISE LOCKSET WITH BUILT IN RTE SWITCH.
- (K) 1" [25] EMT CONDUIT TO STRUCTURE OR TO ACCESSIBLE CEILING SPACE. HOME RUN CABLING TO AREA SERVING ACP. PROVIDE OPEN CABLING PATHWAY SUPPORTS AS REQUIRED
- (L) SIREN

Symbol on Dwgs: (CR)IN (CR)OUT (DC) (EL) (ADA)IN (ADA)OUT (AO)

DTL: D16

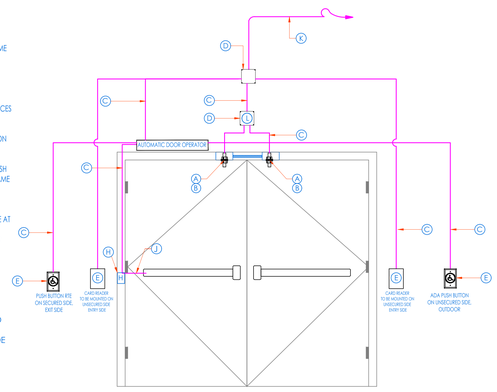
DOUBLE DOORS - CONTACTS, ELECTRIC LATCH RETRACTION / PANIC BAR, IN CARD READERS & ADA BUTTONS -IN/OUT w/ AUTOMATIC DOOR OPENER



***ADA PUSHBUTTONS AND DOOR OPERATOR FURNISHED & INSTALLED BY OTHERS.

DEVICE WIRING DETAILS

CONDUIT AND WIRING ROUGH-IN LAYOUT



DOOR CONDUIT NOTES:

- (A) PROVIDE APPROPRIATE DOOR CONTACT IN DOOR FRAME DUST BOX.
- (B) PROVIDE ASSOCIATED MATCHING MAGNET IN TOP OF DOOR.
- (C) PROVIDE 3/4" CONDUIT WITH WIRING FROM DOOR DEVICES TO BACK BOX (D).
- (D) PROVIDE 4 11/16" SQ. BACKBOX, WITH PROPER EXTENSION AND PLATE ON SECURED SIDE OF DOOR.
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- (J) ELECTRIC MORTISE LOCKSET WITH BUILT IN RTE SWITCH.
- (K) 1" [25] EMT CONDUIT TO STRUCTURE OR TO ACCESSIBLE CEILING SPACE. HOME RUN CABLING TO AREA SERVING ACP. PROVIDE OPEN CABLING PATHWAY SUPPORTS AS REQUIRED
- (L) SIREN

Symbol on Dwgs: (CR)IN (CR)OUT (DDC) (EL) (ADA)IN (ADA)OUT (AO)

DTL: D17

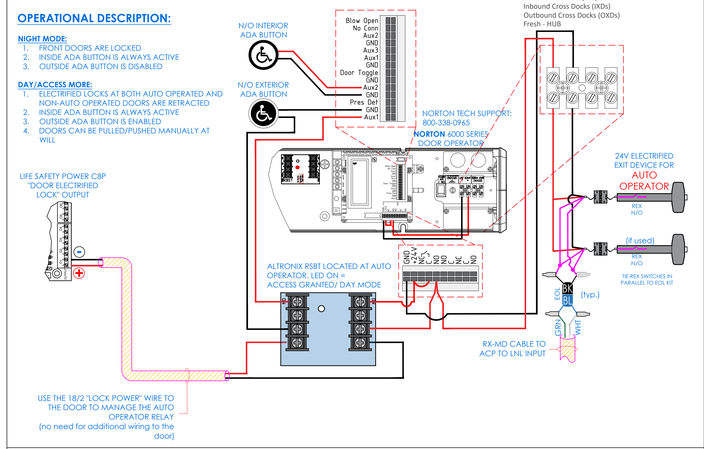
FRONT DOORS EMERGENCY LOCK FOR NON-CORPNET SITES - NORTON 6011/6051 SERIES POWER OPERATOR

WIRING DETAIL

OPERATIONAL DESCRIPTION:

NIGHT MODE:
1. FRONT DOORS ARE LOCKED
2. INSIDE ADA BUTTON IS ALWAYS ACTIVE
3. OUTSIDE ADA BUTTON IS DISABLED

DAY/ACCESS MORE:
1. ELECTRIFIED LOCKS AT BOTH AUTO OPERATED AND NON-AUTO OPERATED DOORS ARE RETRACTED
2. INSIDE ADA BUTTON IS ALWAYS ACTIVE
3. OUTSIDE ADA BUTTON IS ENABLED
4. DOORS CAN BE PULLED/PUSHED MANUALLY AT WILL



MAKE SURE TO FOLLOW THESE WIRING DETAILS. ALL SPLICES TO BE MADE AT THE AUTOMATIC OPERATOR

Symbol on Dwgs: (AO)

DTL: D18

ISSUED FOR:

DATE	COMMENTS
7/21/2020	FIRST SUBMISSION
12/12/2023	ISSUED FOR APPROVAL

ITG Larson, Inc.
155 Lafayette Ave
White Plains, NY 10603

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PROJECT:

FAMILY SCHOOL 32

1 MONTCLAIR PL
YONKERS, NY 10710

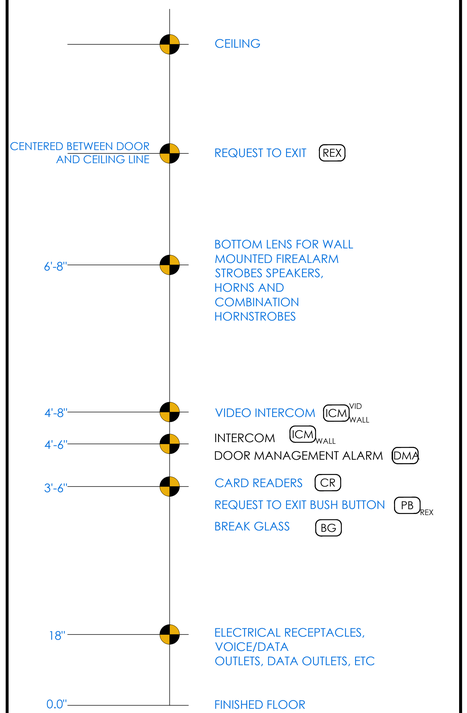
TITLE:

SECURITY EQUIPMENT
DETAIL 1B
DOOR TYPICALS

DESIGNED BY	DRAWN BY	CHECKED BY
XX	XX	XX

WORK ORDER NO:	DATE:
XXXXXX	7/21/2020
S.A. NO:	SCALE:
XXXXXX	DRAWING NO: SE-703B

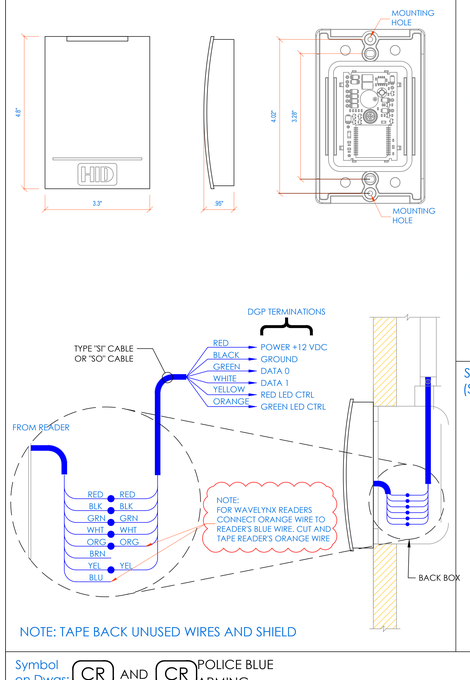
MOUNTING HEIGHT NOTES



NOTE:
FIELD VERIFY WITH LOCAL ADA REQUIREMENTS

HID RP40-MULTI CLASS CARD READER

DEVICE TERMINATION AND DIMENSION

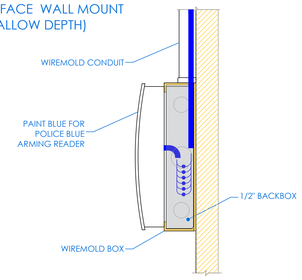


NOTE: TAPE BACK UNUSED WIRES AND SHIELD

SPECIFICATIONS

Typical maximum* read range	: ProxCard II card - up to 5.5" (14 cm) ISOProx II card - up to 5" (12.7 cm) DuoProx II card - up to 5" (12.7 cm) Smart ISO/DuoProx cards - up to 5" (12.7 cm) Proximity & MIFARE card - up to 5" (12.7 cm) ProxCard Plus card - up to 1.5" (3.8 cm) ProxKey II key fob - up to 2" (5.1 cm) Micraprox Tag - up to 3" (7.6 cm) *Depending on local installation conditions.
Dimensions	: 4.70" x 3.00" x 0.68" (11.9 x 7.6 x 1.7 cm)
Material	: Polycarbonate UL 94
Power supply	: 5-16 VDC Linear power supplies are recommended.
Current requirements	: Average: 30 mA (5 VDC); 20 mA (12 VDC) Peak: 110 mA (5 VDC); 115 mA (12 VDC)
Operating temperature	: -22° to 150° F (-30° to 65° C)
Operating humidity	: 0-95% relative humidity non-condensing
Weight	: 3.3 oz. (94 gm)
Transmit frequency	: 125 kHz
Excite frequency	: 125 kHz
Cable distance	: Wiegand interface: 500 feet (150 m) Clock-and-data interface: 50 feet (15 m) Recommended cable is ALPHA 1295 (22 AWG) 5 conductor minimum stranded with overall shield or equivalent. Additional conductors may be required for LED or beeper control.

SURFACE WALL MOUNT (SHALLOW DEPTH)

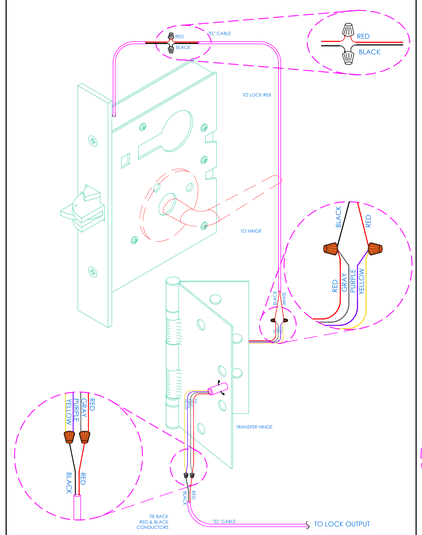


Symbol on Dwgs: (CR) AND (CR) POLICE BLUE ARMING

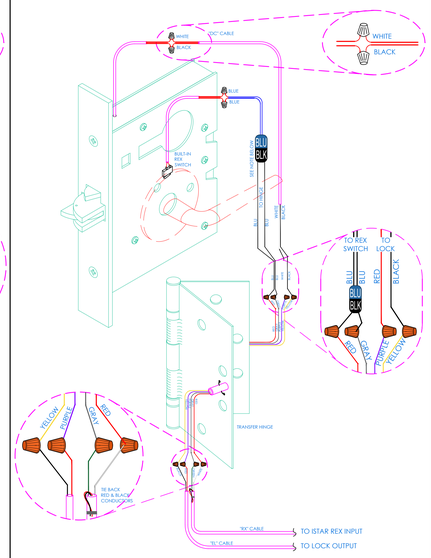
DTL: A01

SCHLAGE - ELECTRIFIED L SERIES

LOCK ONLY



LOCK w/ BUILT IN REX



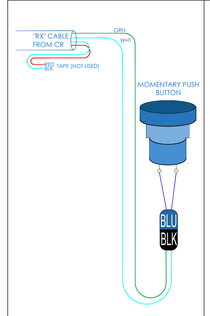
FOR LOCKS EQUIPPED WITH BUILT IN NORMALLY OPEN (N/O) REX SWITCH - ADD EOL RESISTOR. CONNECT GRI EOL KIT SUCH AS THE BLUE WIRES CONNECT TO THE LOCK AND BLACK WIRES CONNECT TO WH/GR OF "A" CABLE

Symbol on Dwgs: EL XH

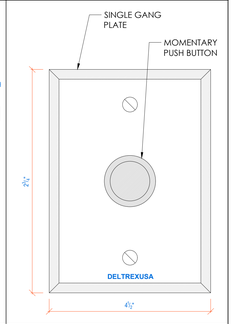
DTL: A03

CAS PUSH BUTTON w/ SINGLE GANG PLATE

DEVICE CONNECTION



DEVICE DETAILS

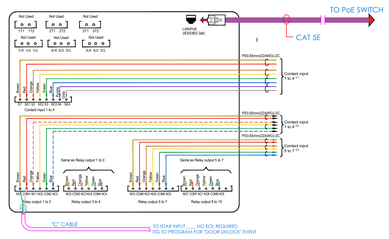


Symbol on Dwgs: CAS

DTL: A05

AIPHONE INTERCOM RELAY P/N: IXW-MA

DEVICE CONNECTION

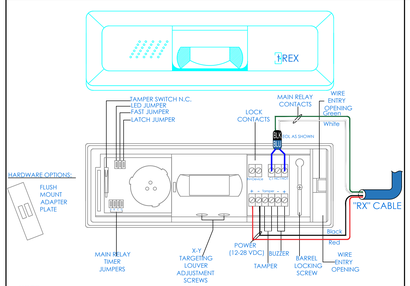


Symbol on Dwgs: ICM

DTL: A06

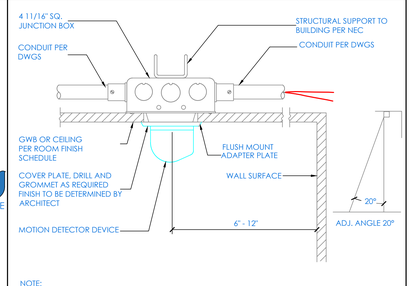
T-REX EXIT DETECTOR

DEVICE DETAIL



NOTE:
USE EOL DEVICE (END OF LINE RESISTOR) AS INDICATED ON RISER DIAGRAM IF APPLICABLE FOR LINE SUPERVISION. LOCATE EOL AT DEVICE END.

CEILING MOUNTING

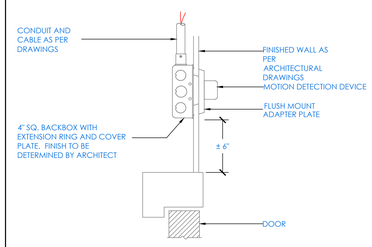


NOTE:
MOUNT REQUEST TO EXIT MOTION DETECTOR IN CEILING, PARALLEL TO DOOR. WHEN DOOR IS IN THE CLOSED POSITION.

SPECIFICATIONS

Detector Type	: Passive Infrared
Filter Technology	: Digital Signal Processing (DSP)
Detector Lens	: Curtain Type Fresnel Lens
Detection Range	: One hand: 3m(10ft) Whole Body :6m(20ft)
Power Consumption	: 12-28 VDC,50mA
Piezo Buffer	: 90 dB at 28VDC.5-28 VDC ,20mA(XL & XL2 only)
Main Relay contacts	: SPDT,1A max. @30VDC max
Main relay recycle time	: Adjustable,1/2 to 60 seconds
Main relay recycle time	: Fixed:3/4 second off
Lock control relay	: Available on LT2 and XL2 models only. solid state relay,N.C.: 2A max.@30VDC.Timed at 2seconds fixed
Tamper Switch	: N.C; 100mA max.@30 VDC max.
Dimensions (H,W,D,)cm Dimensions (H,W,D,)in.	: 19x4.5 x4.75 : 7-1/8x1-3/4x1-7/8
Indicator light	: Red/Green LED
Certifications	: UL294,CE,FCC

WALL MOUNTING



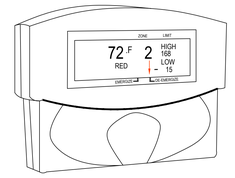
NOTE:
DEVICE CENTERLINE SHALL MATCH CENTERLINE OF DOOR

Symbol on Dwgs: (MS)S S= SURFACE

DTL: A02

WINLAND
EA-200-12 & EA-200-24 TEMPERATURE SENSOR

DEVICE DETAIL

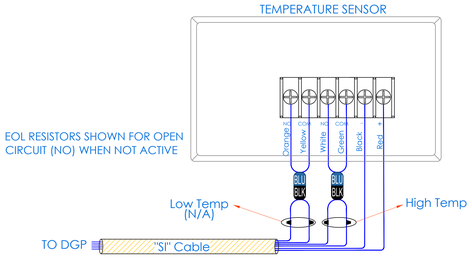


SPECIFICATIONS

DUAL ZONE MONITORING WITH ON-BOARD TEMPERATURE SENSOR & INPUTFOR ONE OPTIONAL REMOTE TEMPERATURE, HUMIDITY OR WATER SENSOR.

Dimensions:	6.0" x 4.75 x 1.25
Weight: .	55 lb
Lo & Hi Limit Adjust Range:	-58 to 299° F
Input Voltage: EA200-12:	12 VDC @ <120mA
Input Voltage: EA200-24:	24 VDC @ <120mA
Remote sensor inputs:	1
On-Board sensor:	1
Unit Operating Range:	+32 to 122° F
Alarm Outputs:	2 - SPDT Relays
(Configurable)	
Auxiliary Audible Alarm Output:	1 - SPDT Relays
(Non-configurable)	
Case Material:	ABS

TERMINATION



Symbol on Dwgs: TMP

DTL: A04

ISSUED FOR:

DATE	COMMENTS
7/21/2020	FIRST SUBMISSION
12/12/2023	ISSUED FOR APPROVAL

ITG Larson, inc.
155 Lafayette Ave
White Plains, NY 10603

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PROJECT:
FAMILY SCHOOL 32
1 MONTCLAIR PL
YONKERS, NY 10710

TITLE:
SECURITY EQUIPMENT DETAIL 2
ACCESS DEVICE TYPICALS

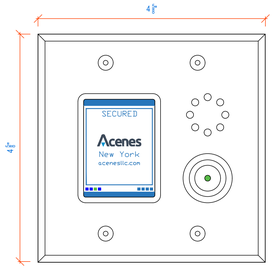
DESIGNED BY	DRAWN BY	CHECKED BY
XX	XX	XX

WORK ORDER NO:	DATE:
XXXXXX	7/21/2020
S.A. NO:	SCALE:
XXXXXX	
	DRAWING NO: SE-704

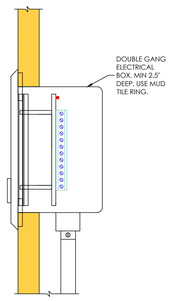
ACENES,LLC - IDMA

INTELLIGENT DOOR MANAGEMENT ALARM

DEVICE DETAIL



ELECTRICAL BACKBOX



SPECIFICATIONS

Model: INTELLIGENT DOOR MANAGEMENT ALARM (IDMA)

Input Voltage: Range of 12-24 VDC

Mounting: 2-Gang, min 2 $\frac{1}{2}$" deep electrical box

Terminal strips: 2 x 12 pin fixed terminal strips accept up to 18 AWG wires

Alarm sounder

Voltage rating: @95 dB or 105dB

Pulsing tones indicate warning alarm

Decibel(dB) level is programmable

Time Delays

Access delay: Shunts the alarm function for the duration of the delay.

Warning delay: Sets the duration of the warning alarm.

Alarm automatic reset delay: Sets the duration of an alarm if the automatic reset feature is enabled.

Operational Functions:The IDMA display will show various device status via the LCD display

GET IT ON Google Play

Download on the App Store

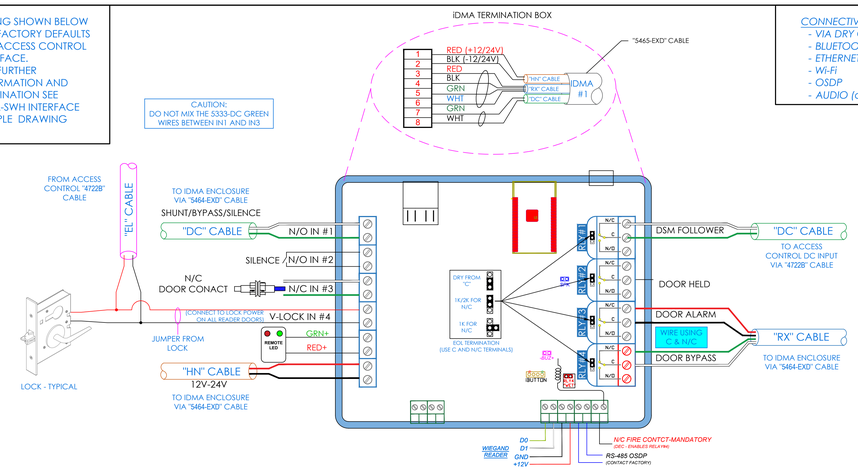
VISIT THE APP STORE - DOWNLOAD ***ACENES IDMA APP***

Acenes

Scan for App

WIRING DIAGRAM

WIRING SHOWN BELOW ARE FACTORY DEFAULTS FOR ACCESS CONTROL INTERFACE. FOR FURTHER INFORMATION AND TERMINATION SEE IDMA-SWH INTERFACE SAMPLE DRAWING



CONNECTIVITY:
- *VIA DRY CONTACTS*
- *BLUETOOTH*
- *ETHERNET*
- *Wi-Fi*
- *OSDP*
- *AUDIO (optional)*

Symbol on Dwgs: IDMA

DTL: A06

IDMA TERMINATION MATRIX

DMA

IDMA TERMINATION MATRIX

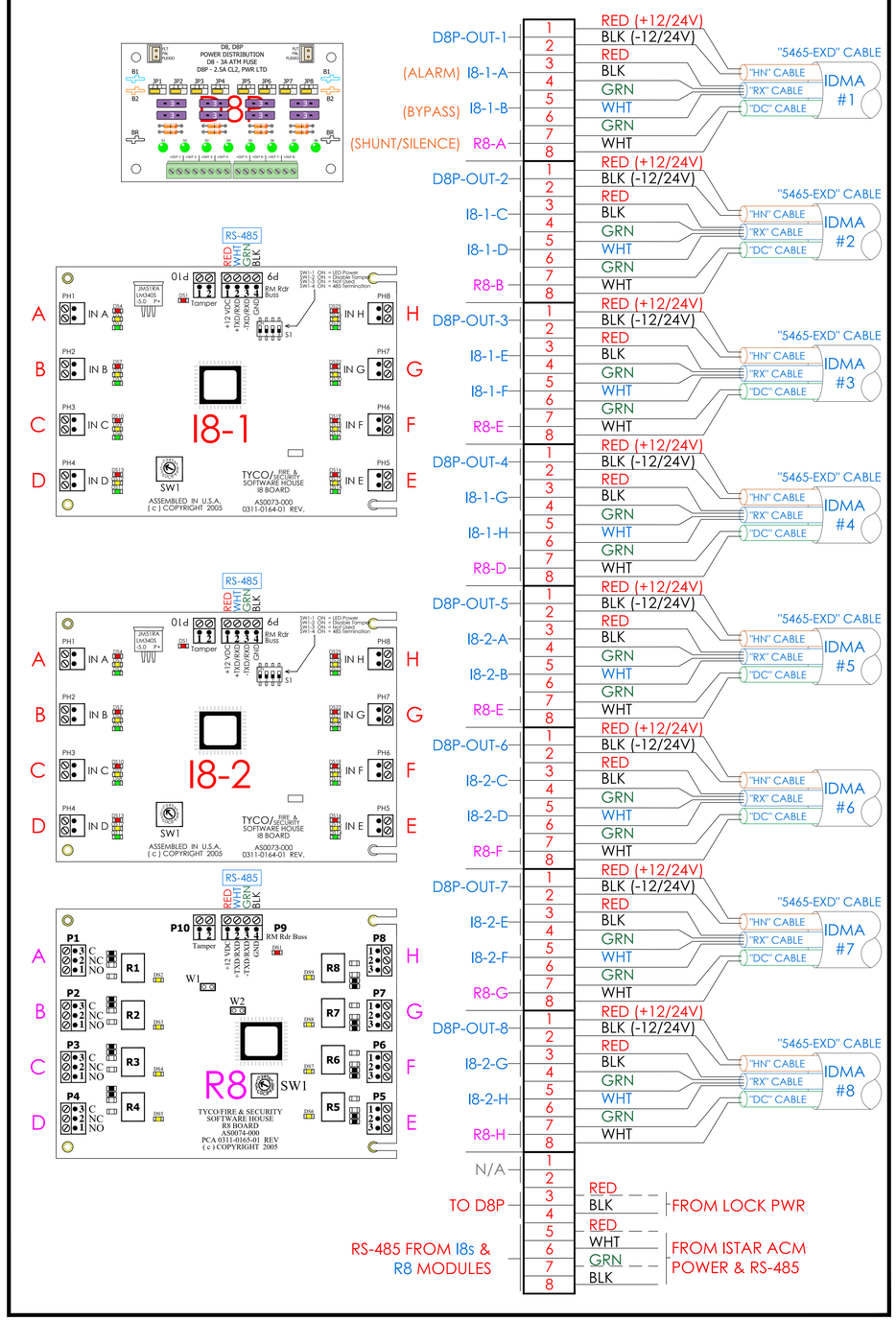
CLOSET	BOX	PORT	CAD	LOCATION
IDF - 1	ENCLOSURE - 1	1	B-E1-01	STAIR A
		2	B-E1-02	CAFETERIA 18
		3	B-E1-03	CORRIDOR 106.5
		4	B-E1-04	OUTDOOR EQUIPMENT
		5	B-E1-05	MAINTENANCE
		6	B-E1-06	MAINTENANCE
		7	B-E1-07	UPPER PART OF BOILER ROOM
		8	B-E1-08	VEST TO CORRIDOR 106.7
	ENCLOSURE - 2	1	1-E2-01	VEST TO CORRIDOR 205.1
		2	1-E2-02	VEST. 4
		3	1-E2-03	VEST.1
		4	1-E2-04	VEST. 1 (CAS)
		5	1-E2-05	COURTYARD (WEST)
		6	1-E2-06	VEST. 2 V2
		7	1-E2-07	VEST. 3 V3
		8	1-E2-08	NURSE 135

IDMA TERMINATIONS

IDMA/ IDMA DOORS 1-8

DM-T

INTERNAL WIRING OF THIS CONTROL TERMINATION BOX WILL BE PERFORMED AND DELIVERED BY ITG. CONTRACTOR TO TERMINATE 8 CONDUCTOR ("5465-EXD") CABLE AS PER SHOWN COLOR CODED TERMINALS



NOTE: IDMA's 9-16 ARE TERMINATED IN IDMA TERMINATION BOX #2 (not shown) IN DEVICE POSITIONS 1-8.
SEE SE-300 CLOSET DETAILS FOR MOUNTING OF BOXES 1&2. SEE IDMA/DMA TERMINATION MATRIX THIS PAGE

ISSUED FOR:

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12/12/2023	ISSUED FOR APPROVAL

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PROJECT:
FAMILY SCHOOL 32
1 MONTCLAIR PL
YONKERS, NY 10710

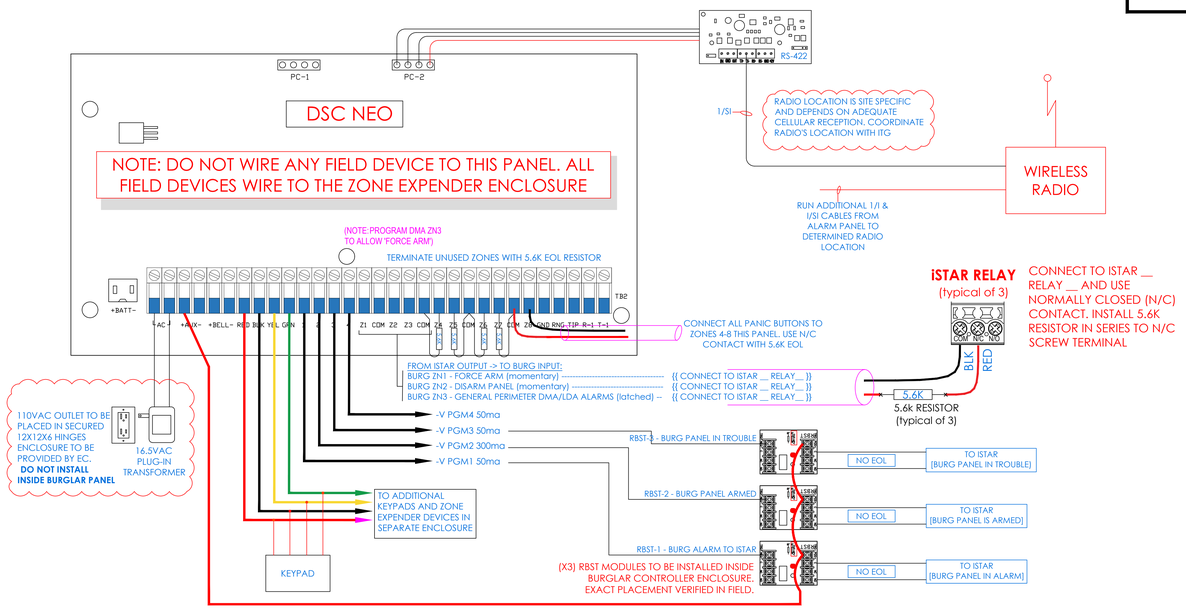
TITLE:
SECURITY EQUIPMENT
DETAIL 3
IDMA DEVICE TYPICALS

DESIGNED BY	DRAWN BY	CHECKED BY
XX	XX	XX

WORK ORDER NO: XXXXXX
DATE: 7/21/2020
SCALE:
S.A. NO: XXXXXX
DRAWING NO: SE-705

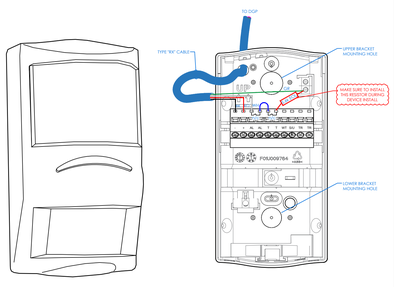
DSC NEO PANEL

NEO

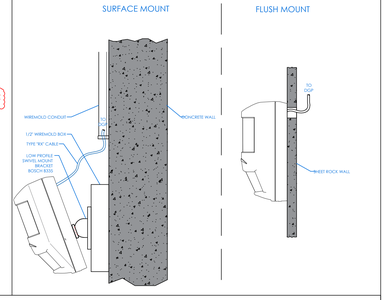


BOSCH
PROFESSIONAL SERIES P/N: ISC-PDL1-W18G

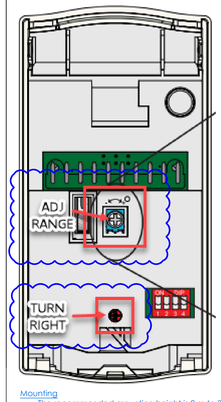
DEVICE DETAIL



MOUNTING



RANGE SETTINGS



3.0 Switch Settings

3.1 Switch 1 - Walk Test

ON / OFF



Switch 1	Voltage on WT Terminal	Walk Test
ON	0	ON
ON	+12	OFF
OFF	0	OFF
OFF	+12	ON

The Remote Self Test automatically occurs when the walk test changes from a disabled to enabled by a change in the voltage on the WT terminals.

A passing Remote Self Test responds with an alarm signal.

The Remote Self Test must be connected to 0 or +12 VDC on UL listed Control Panels.

3.2 Switch 2 - Alarm Memory Polarity

ON / OFF



Switch 2	Voltage on S/U Terminal	Alarm Memory
ON	+12	ON (Locked)
ON	0	OFF (Unlocked)
OFF	0	ON (Locked)
OFF	+12	OFF (Unlocked)

The Alarm Memory must be connected to 0 or +12 VDC on UL listed control panels.

3.3 Switch 3 - Short Range/ Long Range

ON / OFF

Switch 3	Range	Distance
ON	Short	25 ft (8 m)
OFF	Long	60 ft (18 m)

3.4 Switch 4 - Antimask ON/ Antimask OFF

ON / OFF



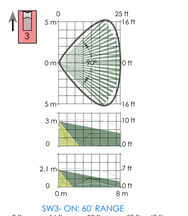
Switch 4	Antimask
ON	ON
OFF	OFF

When Antimask is ON, items placed within 1 ft (30 cm) of the detector are detected. The detector closes the Trouble contact (terminals marked "TR") 30 sec after the detector is blocked.

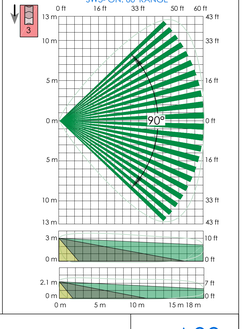
4.0 LED Indicators

Color	Indication	Function
Blue	Steady ON	New alarm detected
Yellow	Steady ON	Microwave detection
Red	Steady ON	PIR Detection
Blue	Flashing	Detector warming up. (Up to 2 minutes)
Blue	Flashing 1/4 sec ON, 1/4 sec OFF	Alarm Memory
Blue	3 Flashes	Antimask Detected
Blue	4 Flashes	Self Test/ Self Test failure
Blue	5 Flashes	Low Input Power

SW3- OFF: 25' RANGE



SW3- ON: 60' RANGE



DEFAULT SETTINGS



Mounting
- The recommended mounting height is 2 m to 3 m (7 ft to 10 ft) with no adjustments required.
- Mount the motion detector level, both horizontally and vertically.

Mounting options:
- On a flat wall with the optional B335-3 Swiveling Low-profile mount, or with the optional B328 Gimbal-mount racket
- In a corner (the junction of two perpendicular walls)
- On the ceiling with the optional B338 Universal Ceiling-mount Bracket

Adjustments:
- Turn 'Walk Test' SW1 on
- Field adjust range (25' or 60') via SW3
- Adjust Microwave range via rotary pot for optimum range
- disable 'pet' detection by rotating red knob to RIGHT
- Turn 'Walk Test SW1 on

Symbol on Dwgs: MS

DTL: A08

BURGLAR ALARM ZONE DETAIL

(TO BE FILLED BY INSTALLING CONTRACTOR)

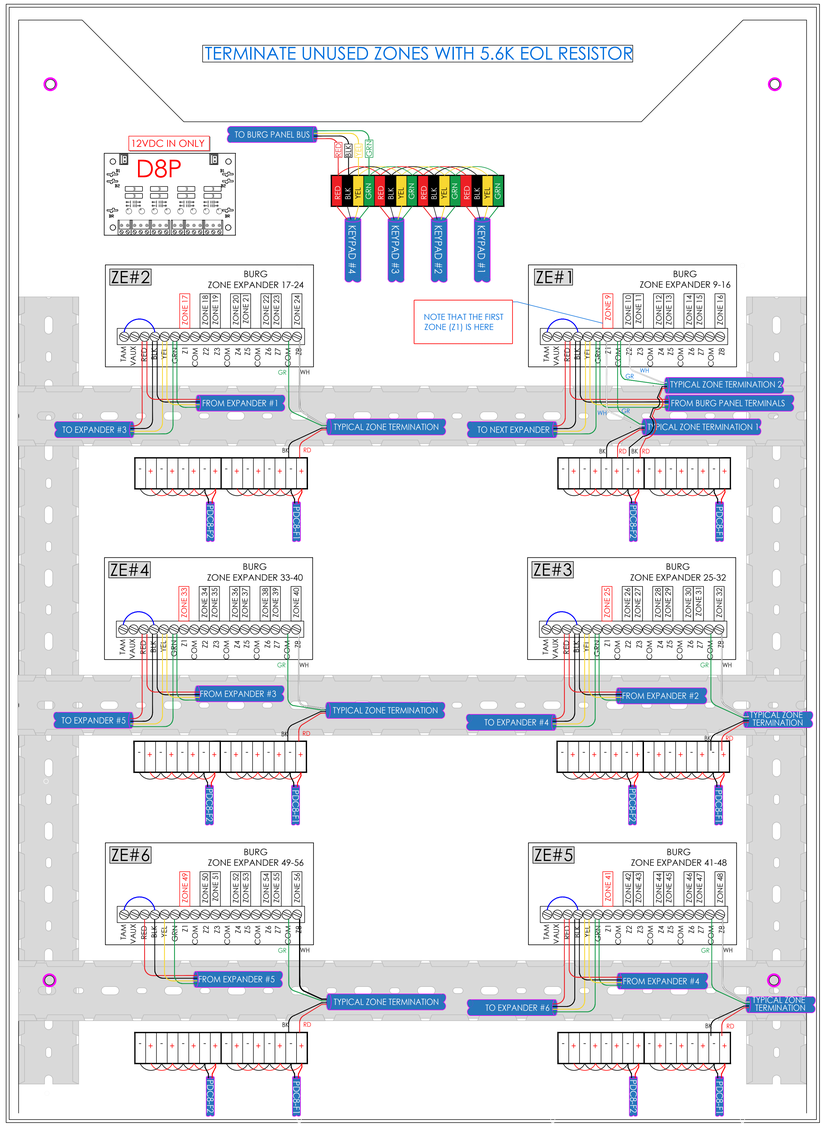
BA-Z

BURGLAR ALARM TERMINATION MATRIX

	PORT	ZONE	DEVICE TAG	LOCATION
PANEL		1	NEED 5.6k	Force-Arm panel. Momentary contact from iStar
		2	NEED 5.6k	Disarm panel. Momentary contact from iStar
		3	NEED 5.6k	IDMA Door Alarm - Dry Contact from iStar
		4	1-PA-04	SECURITY DESK
		5	1-PA-05	MAIN OFFICE
		6	SPARE	
		7	SPARE	
		8	SPARE	
		RBST RLY 1	NO EOL	Burg "ALARM" notification to iStar
		RBST RLY 2	NO EOL	"ARMED" Status to iStar (to reset IDMA shunt)
		RBST RLY 3	NO EOL	Burg "TROUBLE" notification to iStar
		SIREN	B-S-01	CORRIDOR 106.2
		SIREN	1-S-02	CORRIDOR 205.2
		SIREN	SPARE	
		SIREN	SPARE	
		SIREN	SPARE	
		KPD PNL		
		KPD CAS	2-KPDCAS	VEST. 1 (CAS)
		5G RADIO	2-5GRAD	
ZE #1	Z1	9	B-ZE1-01	CORRIDOR 106.7
	Z2	10	B-ZE1-02	STAIR A
	Z3	11	B-ZE1-03	CORRIDOR 106.5
	Z4	12	1-ZE1-04	CORRIDOR 205
	Z5	13	1-ZE1-05	CORRIDOR 205
	Z6	14	1-ZE1-06	CORRIDOR 205.2
	Z7	15	1-ZE1-07	STAIR C2
	Z8	16	1-ZE1-08	CORRIDOR 205.3

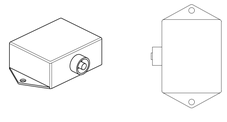
BURGLAR ALARM ZONE EXPANDER MODULE CONFIGURATION & WIRING

BA-X

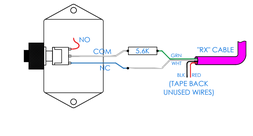


ALARM CONTROLS
HOLD UP BUTTON - P/N: TS-20

DEVICE DETAIL



WIRING DETAIL



NOTE:
USE EOL DEVICE (END OF LINE RESISTOR) AS INDICATED ON RISER DIAGRAM IF APPLICABLE FOR LINE SUPERVISION. LOCATE EOL AT DEVICE END

Symbol on Dwgs: PA

DTL: D09

ISSUED FOR:

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PROJECT:
FAMILY SCHOOL 32
1 MONTCLAIR PL
YONKERS, NY 10710

TITLE:
SECURITY EQUIPMENT DETAIL 4
BURG DEVICE TYPICALS

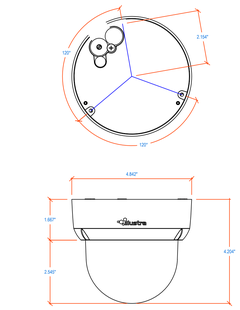
DESIGNED BY	DRAWN BY	CHECKED BY
XX	XX	XX

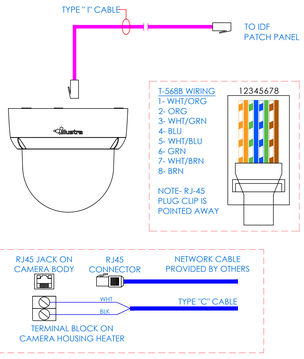
WORK ORDER NO:	DATE:
XXXXXX	7/21/2020
S.A. NO:	SCALE:
XXXXXX	

DRAWING NO: SE-705A

TYCO - ILLUSTRA FLEX 4K MINI DOME
8MP MINI DOME p/n: IFS08D2ICWTT (INDOOR) & IFS08D2OCWTT (OUTDOOR)

DEVICE DETAIL & WIRING



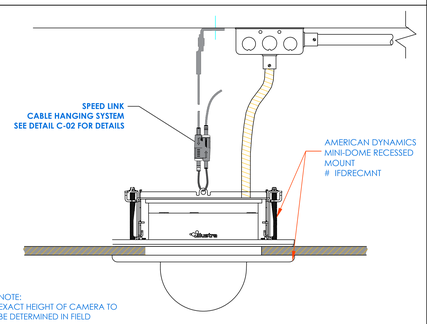


SPECIFICATIONS

	Indoor	Outdoor
Operational		
Video Compression	H.264 / H.265 / IntelliZip / MJPEG	
Max Frame Rate	8MP @ 15 fps	
ONVIF Compliant	Profile S	
Analog Video Output	Yes	
Resolution	3840x2160 (4K) 16:9 3264x1840 16:9 2592x1944 4:3 2688x1520 16:9 2048x1536 (QXGA) 4:3 1920x1080 (1080p) 16:9	1280x960 (SXGA-) 4:3 1280x720 (720p) 16:9 800x600 (SVGA) 4:3 640x480 (640VGA) 4:3 640x360 (nHD) 16:9
Imager	1/2.5"	
Day/Night	True D/N with ICR	
TrickleStar	Yes	
IR Distance	N/A	25m
Motion Detection	3 zones	
Blur Detection	Yes	
Privacy Zones	9 zones	
Alarm Input/Output	1 - 1	
Audio Input/Output	1 - 1	
Video Streams	Triple Streaming with a Maximum of 5 Concurrent Shared Streams	
True Wide Dynamic Range	100dB	
Minimum Illumination		
Color	0.03 Lux	
B/W	0.0003 Lux	
Field of View (H/V)		
Wide Angle	104°/56°	
Telephoto	42°/24°	
Lens Type	Motorized Varifocal and Focus, P-iris control, IR corrective	
Focal length	3.4-9mm	
Aperture	F/1.5(W)-F/2.9(T)	
Supported Languages	Arabic, Czech, Chinese (Simplified), Chinese (Traditional), Danish, Dutch, English (US), French, German, Italian, Japanese, Korean, Polish, Portuguese (Brazilian), Russian, Spanish, Turkish	
Network		
Ethernet Interface Port	IEEE 802.3, 10/100Base-T Ethernet, Female RJ45, Auto-Negotiation	
Support Protocols	TCP/IP, IPv4, IPv6, TCP, UDP, HTTP, FTP, DHCP, WS-Discovery, DNS, DDNS, RTP, RTCP, RTSP, TLS, Unicast, Multicast, NTP, ICMP, IGMP, SMTP, WS-Security, IEEE 802.1x, PEAP, EAP-TLS, EAPoL, SSH, HTTPS, SOAP, WSAddressing, CIFS, SNMP, UPNP, RTSP, LLDP	
Configuration Management		
Web Browser	Internet Explorer 8.0 or above, Firefox, Safari, Chrome	
Security	TLS - RFC5246 v1.2, HTTPS (HTTP over TLS) - RFC2818, WS-Security, Certificate Management, Multi-Level Password Protection, IP Address, Filtering, HTTPS Encryption, One-Click Security Hardening, User Access Log, Validate Complex Credentials, Disabling Unused Protocols, IEEE, 802.1x Including: PEAP, EAP-TLS, EAPoL	
Onboard Storage		
Card Support	Micro SD & SDXC slot up to 128GB; Class 10 or higher; Card not included	
Electrical		
Power Input	24VAC, PoE IEEE 802.3af class 2	24VAC, PoE IEEE 802.3af class 3
Power Draw	6W	12W
Physical		
Dimensions	Ø4.8 x 4.2 in (Ø123 x 107 mm)	
Weight	2.05lbs (0.93kg)	2.14lbs (0.97kg)
Housing Color	White	
Operating Temperature	-4°F to 122°F (-20°C to 50°C) No Heater	-58°F to 122°F (-50°C to 50°C) Extended Temperature: 140°F (60°C) for 5 hours a day with IR Illuminators OFF[1]
Vandal Resistant	IK10	
Environmental Rating	IP66/IP67	
Regulatory		
Emissions	FCC Part 15 Class A; EN55032 Class A; AS/NZS CISPR 32 Class A; ICES-003/NMB-003 Class A	
Immunity	EN55024, EN50130-4	
Safety	EN60950-1; UL60950-1; CAN/CSA-C22.2 No. 60950-1	
Environment	RoHS/WEEE	

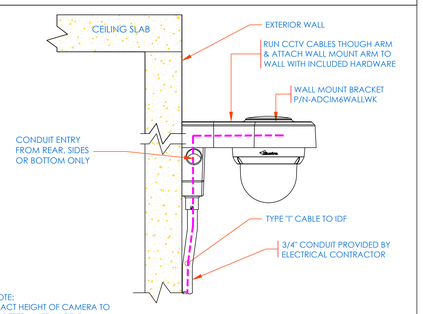
[1]Extended temperature limited to cameras installed in indirect sunlight

CEILING MOUNTING DETAIL



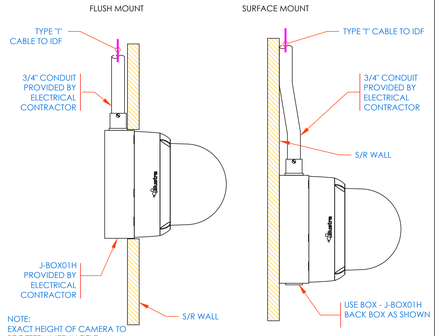
NOTE:
EXACT HEIGHT OF CAMERA TO BE DETERMINED IN FIELD

OUTDOOR WALL SURFACE MOUNT DETAIL



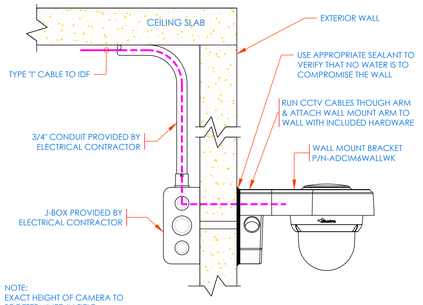
NOTE:
EXACT HEIGHT OF CAMERA TO BE DETERMINED IN FIELD

INDOOR (ONLY) WALL MOUNTING DETAIL



NOTE:
EXACT HEIGHT OF CAMERA TO BE DETERMINED IN FIELD

OUTDOOR WALL MOUNT DETAIL

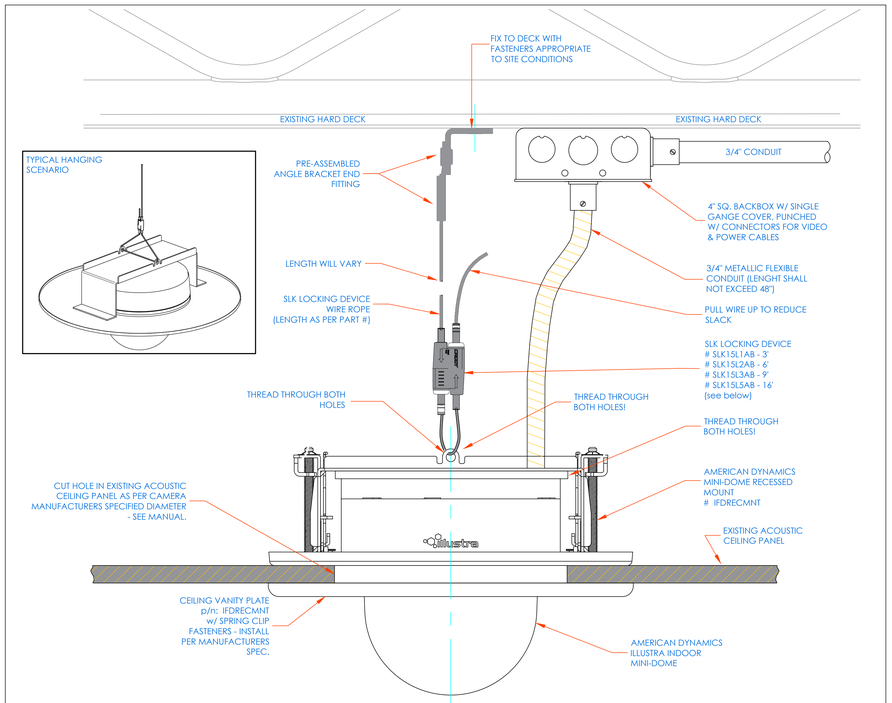


NOTE:
EXACT HEIGHT OF CAMERA TO BE DETERMINED IN FIELD

Symbol on Dwgs:

DTL: C01

nVent CADDY
SPEED LINK SLK WITH ANGLE BRACKET



Part Number	Wire Rope Length	A	Hole Size HS	Height H	Width W	Thickness T	Angle a	Static Load F	Certifications
Wire Rope Diameter 1.5 mm									
SLK15L1AB	3.3'	0.891"	0.281"	2.15"	0.75"	0.5"	90° Max	44 lb	cULus
SLK15L2AB	6.6'	0.891"	0.281"	2.15"	0.75"	0.5"	90° Max	44 lb	cULus

Symbol on Dwgs:

DTL: C02

ISSUED FOR:

DATE	COMMENTS
7/21/2020	FIRST SUBMISSION
12/12/2023	ISSUED FOR APPROVAL

ITG Larson, Inc.
155 Lafayette Ave
White Plains, NY 10603

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PROJECT:
FAMILY SCHOOL 32
1 MONTCLAIR PL
YONKERS, NY 10710

TITLE:
SECURITY EQUIPMENT DETAIL 5
CCTV TYPICALS

DESIGNED BY	DRAWN BY	CHECKED BY
XX	XX	XX

WORK ORDER NO: XXXXXX
DATE: 7/21/2020
SCALE:
S.A. NO: XXXXXX
DRAWING NO: SE-706

GENERAL NOTES

1. BEFORE SUBMITTING A PROPOSAL, BIDDERS SHALL EXAMINE ALL RELATED TO THIS WORK AND SHALL BECOME FULLY INFORMED AS TO THE EXTENT AND CHARACTER OF THE WORK REQUIRED AND ITS RELATION TO THE OTHER WORK IN THE BUILDING.

2. BEFORE COMMENCING WORK, THE CONTRACTOR WILL EXAMINE ALL CONDITIONS OF THE PROJECT UPON WHICH HIS WORK IS IN ANY WAY DEPENDENT FOR PERFECT WORKMANSHIP ACCORDING TO THE INTENT OF THE DRAWINGS AND SPECIFICATIONS. NO "WAIVER OF RESPONSIBILITY" FOR INCOMPLETE, INADEQUATE OR DEFECTIVE ADJOINING WORK WILL BE CONSIDERED UNLESS NOTICE HAS BEEN FILED BY THIS CONTRACTOR AND ACCEDED TO BY THE OWNER'S REPRESENTATIVE IN WRITING BEFORE THE CONTRACTOR BEGINS ANY PART OF THE WORK.

3. THE CONTRACTOR WILL PAY FOR ALL LICENSES, PERMITS AND INSPECTION FEES REQUIRED BY CIVIL AUTHORITIES HAVING JURISDICTION. COMPLY WITH ALL LAWS, ORDINANCES, REGULATIONS, AND FIRE UNDERWRITER'S REQUIREMENTS APPLICABLE TO WORK HEREIN SPECIFIED WITHOUT ADDITIONAL EXPENSE TO THE OWNER.

4. SMALL SCALE DRILLING THROUGH WALLS AND FLOORS OR CUTTING OF PIPING INSULATION WHICH MAY CONTAIN ASBESTOS SHALL BE PERFORMED BY A PERSON WITH A "RESTRICTED ASBESTOS HANDLER ALLIED TRADES CERTIFICATE" AND SHALL HAVE A COPY OF IT IN HIS POSSESSION AT ALL TIMES WHILE WORKING OF THE PROJECT. THIS SHALL ALSO APPLY TO REMOVAL OF PIPING, DUCTWORK OR EQUIPMENT INSULATION.

5. IT IS SPECIFICALLY INTENDED THAT ANYTHING (WHETHER MATERIAL OR LABOR), WHICH IS USUALLY FURNISHED AS A PART OF SUCH EQUIPMENT, AS IS HEREINAFTER CALLED FOR (AND WHICH IS NECESSARY FOR THE COMPLETION AND PROPER OPERATION) SHALL BE FURNISHED AS PART OF THIS CONTRACT WITHOUT ADDITIONAL COST THE OWNER, WHETHER OR NOT SHOWN IN DETAIL OR DESCRIBED IN THE SPECIFICATIONS.

6. WHEN DRAWINGS AND SPECIFICATIONS CONFLICT OR THERE IS A QUESTION AS TO THE PROPER INTENT OF THIS CONTRACT, THE CONTRACTOR SHALL ASSUME THE GREATER QUANTITY, THE HIGHER QUALITY AND/OR THE MORE EXPENSIVE METHOD IN HIS PRICING. ALL QUESTIONS SHALL BE DIRECTED TO THE ARCHITECT/ENGINEER IN WRITING ONLY AND ONLY UP TO TEN (10) DAYS PRIOR TO BIDDING.

7. THE DRAWINGS INDICATE THE GENERAL RUNS OF THE PIPING, DUCTWORK, ETC. SYSTEMS AND THE LOCATION OF EQUIPMENT AND APPARATUS, HOWEVER IT SHALL BE UNDERSTOOD THAT THE RIGHT IS RESERVED BY THE ARCHITECT/ENGINEER TO CHANGE THE LOCATION OF PIPING WORK, DUCTWORK, EQUIPMENT AND APPARATUS TO A REASONABLE EXTENT AS BUILDING CONDITIONS MAY DICTATE, PRIOR TO THEIR INSTALLATION WITHOUT EXTRA COST TO THE OWNER.

8. ALL DUCT DIMENSIONS SHOWN ARE CLEAR INSIDE DIMENSIONS. THE CONTRACTOR SHALL ACCOUNT FOR ANY LINING IN SIZING OF SHEET METAL.

9. ALL COMPONENTS SUPPLIED BY THIS CONTRACTOR SHALL BE UL LISTED AND/OR ETL LABELED AND SHALL CONFORM TO ASHRAE STANDARD 15.

10. ANY CHANGES FROM THE DRAWINGS AND SPECIFICATIONS AND ANY INTERPRETATION THEREOF SHALL HAVE THE PRIOR APPROVAL OF THE ARCHITECT/ENGINEER. THE CONTRACTOR SHALL SUBMIT IN WRITING, AT THE TIME OF SIGNING THE CONTRACT, ANY ITEMS OF NECESSARY LABOR AND MATERIALS, WHICH, IN HIS OPINION, ARE LACKING IN REQUIREMENTS OF THE DRAWINGS AND SPECIFICATIONS TO INSURE A COMPLETE JOB IN ALL RESPECTS. NO CONSIDERATION WILL BE GRANTED TO ALLEGED MISUNDERSTANDING OF MATERIALS TO BE FURNISHED, WORK TO BE DONE, OR CONDITIONS TO BE COMPLIED WITH, IT BEING UNDERSTOOD THAT THE TENDER OF A PROPOSAL CARRIES WITH IT THE AGREEMENT TO ALL ITEMS AND CONDITIONS REFERRED TO HEREIN, OR INDICATED ON THE ACCOMPANYING DRAWINGS.

11. FURNISH ALL COMBINATION MOTOR STARTER/DISCONNECTS FOR EQUIPMENT (WITH THE EXCEPTION OF STARTERS AND ELECTRIC ITEMS ALREADY MOUNTED ON EQUIPMENT OR EQUIPMENT NOT REQUIRING SAME). FAN MOTOR STARTER/DISCONNECTS SHALL HAVE CONTACTS FOR ATC CONNECTION AND A TERMINAL BLOCK CONNECTION FOR FIRE ALARM FAN SHUTDOWN. STARTERS PER MANUFACTURERS RECOMMENDATIONS. UNDERWRITERS INSPECTION AND CERTIFICATE REQUIRED. COORDINATE WITH ELECTRICAL CONTRACTOR.

12. THIS CONTRACTOR SHALL COORDINATE WITH OTHER TRADES PROVIDING ELECTRIC, GAS, WATER, ETC. CONNECTIONS TO SYSTEMS OR EQUIPMENT THAT ARE PART OF THIS CONTRACT. PROVIDE EQUIPMENT THAT ARE PART OF THIS CONTRACT. PROVIDE EQUIPMENT CUTS AND EXACT LOCATIONS, INCLUDING ORIENTATION, OF ALL SYSTEMS AND EQUIPMENT REQUIRING SUCH CONNECTIONS. THIS SHALL BE DONE WELL IN ADVANCE OF THOSE TRADES INSTALLING THEIR CONNECTION WORK.

13. COORDINATION DRAWINGS (IF APPLICABLE): ATTENTION IS DIRECTED TO DIVISION 1 FOR COORDINATION DRAWING REQUIREMENTS FOR THIS PROJECT. THESE DRAWINGS ARE CRITICAL TO THE PROPER EXECUTION OF THE WORK AND FAILURE TO HONOR THESE REQUIREMENTS MAY BECOME THE BASIS FOR DENIAL OF ANY AND ALL CLAIMS FOR EITHER OR BOTH "TIME" AND "MONEY".

14. LOCATION AND SIZES OF EXISTING PIPING, DUCTWORK, EQUIPMENT, ETC. ARE APPROXIMATE. EXACT SIZES AND LOCATIONS OF ALL EXISTING WORK SHALL BE VERIFIED ON THE JOB.

15. BEFORE FABRICATION THIS CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AND CONDITIONS ON JOB AND COORDINATE HIS WORK WITH THE WORK OF ALL OTHER CONTRACTORS.

16. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER PRIOR TO SUBMISSION OF BID TO DETERMINE WHAT WORK MUST BE PERFORMED AFTER NORMAL BUSINESS HOURS. UNLESS OTHERWISE DIRECTED ANY NOISY WORK (CHOPPING, CORE DRILLING, HAMMERING, ETC.) AND BUILDING POWER INTERRUPTIONS SHALL BE PERFORMED OUTSIDE OF NORMAL BUSINESS HOURS. CONFIRM NORMAL BUSINESS HOURS WITH BUILDING OWNER. NO ADDITIONAL COST WILL BE CHARGED TO OWNER FOR WORK PERFORMED OUTSIDE NORMAL BUSINESS HOURS.

17. REFER TO ARCHITECT'S REFLECTED CEILING PLAN FOR EXACT LOCATION OF ALL CEILING MOUNTED ITEMS.

18. OPENINGS AROUND PENETRATIONS THROUGH FIRE RESISTANCE RATED WALLS, PARTITIONS, FLOORS OR CEILINGS SHALL BE FIRE STOPPED USING APPROVED METHODS. ALL SLEEVES MUST HAVE BUSHINGS. SEALANT SHALL BE 3 HOUR FIRE BARRIER #CP-25 (NO LESS THAN 3" THICK BACKED UP WITH MINERAL WOOL).

19. PREPARE 'AS-BUILT' DRAWINGS THAT REFLECT ACTUAL CONSTRUCTION AND SHOW DEVIATIONS FROM DESIGN DRAWINGS.

20. THE CONTRACTOR SHALL RETAIN THE SERVICES OF THE MANUFACTURER'S REPRESENTATIVE FOR PURPOSES OF PROVIDING REFRIGERANT PIPING SIZING. SPECIFIED SYSTEM IS HEAT RECOVERY TYPE WHICH REQUIRES A THIRD REFRIGERANT PIPE FROM THE OUTDOOR UNIT. CONTRACTOR SHALL PROVIDE PIPING FROM RESPECTIVE OUTDOOR UNIT TO EACH NEW INDOOR UNIT, FOR A COMPLETE AND OPERABLE SYSTEM.

21. PROVIDE MOCK-UP OF METAL PIPE ENCLOSURE (SMRE) FOR APPROVAL PRIOR TO ADDITIONAL INSTALLATIONS.

22. ALL NEW HORIZONTAL HYDRONIC PIPING SHALL BE LOCATED ABOVE THE CEILING.

LEGEND

FC	FLEXIBLE CONNECTION
CFM	CUBIC FEET PER MINUTE
OA/FAI	OUTSIDE (FRESH) AIR INTAKE
T	EXISTING WALL THERMOSTAT
T	TO CONTROLLED ITEM WALL MTD.(5'-2"+/- A.F.F.) TEMPERATURE SENSOR
H	TO CONTROLLED ITEM WALL MTD.(5'-2"+/- A.F.F.) RELATIVE HUMIDITY SENSOR
	DETAIL/PART PLAN NUMBER IDENTIFICATION: DETAIL/PART PLAN NUMBER DRAWING NUMBER
	SECTION/DETAIL/ELEVATION/PART PLAN NUMBER DRAWING NUMBER SECTION/ELEVATION IDENTIFICATION

	EXISTING DUCTWORK, EQUIPMENT, ETC. TO REMAIN
	EXISTING DUCTWORK, EQUIPMENT, ETC. TO BE REMOVED
	NEW PIPING, EQUIPMENT, ETC.
	POINT OF CHANGE IN DUCT SIZE NEW DUCTWORK 1" THERMAL ACOUSTIC LINING (WHERE APPLICABLE) (DUCT SIZE IS CLEAR DIMENSION)
	FLEXIBLE CONNECTION NEW DUCTWORK POINT OF CHANGE IN DUCT SIZE
	TYPE-SEE SCHEDULE REGISTER/DIFFUSER IDENTIFICATION CFM
	SQUARE DUCT TURN WITH TURNING VANES
	EXISTING 4-WAY CEILING DIFFUSER
	EXISTING CEILING REGISTER
	TYPE -SEE SCHEDULE NEW 4-WAY CEILING DIFFUSER CFM
	TYPE -SEE SCHEDULE CEILING EXHAUST/RETURN REGISTER CFM
	AIR VOLUME DAMPER
	MOTORIZED AIR VOLUME DAMPER (WITH ACCESS DOOR)
	SD & AD SMOKE DAMPER (U.L. APPROVED) & ACCESS DOOR
	FD & AD FIRE DAMPER (U.L. APPROVED) & ACCESS DOOR
ELPS	EXISTING LOW PRESSURE STEAM PIPING
ECR	EXISTING CONDENSATE RETURN PIPING
EFOS	EXISTING FUEL-OIL SUPPLY PIPING
EFOR	EXISTING FUEL-OIL RETURN PIPING
HWS	HOT WATER SUPPLY PIPING
HWR	HOT WATER RETURN PIPING
ET	NEW EXPANSION TANK PIPING
L	LIQUID REFRIGERANT PIPING
S	SUCTION REFRIGERANT PIPING
HG	HOT GAS PIPING
CD	CONDENSATE DRAIN PIPING
	EXISTING GATE VALVE
	NEW BALL VALVE
	NEW COMBINATION BALANCING & SHUT-OFF VALVE
	PIPE CONNS. (BOTTOM; TOP 45 OR 90; PIPE UP, PIPE DN)
	FLOW DIRECTION WITHIN PIPE
DHW-EXIST	EXISTING DOMESTIC HOT WATER HEATER IDENTIFICATION
GV-EXIST	EXISTING GRAVITY AIR VENT IDENTIFICATION
B-EXIST	EXISTING BOILER IDENTIFICATION
EF-EXIST	EXISTING EXHAUST FAN IDENTIFICATION
AC-EXIST	EXISTING AIR CONDITIONER IDENTIFICATION
UV-EXIST	EXISTING UNIT VENTILATOR IDENTIFICATION
UVI-EXIST	EXISTING UNIT VENTILATOR INTAKE IDENTIFICATION
RAD-EXIST	EXISTING RADIATOR IDENTIFICATION
CONV-EXIST	EXISTING CONVECTOR IDENTIFICATION
FCU-EXIST	EXISTING FANCOIL UNIT IDENTIFICATION
UH-EXIST	EXISTING UNIT HEATER IDENTIFICATION
INC-EXIST	EXISTING INCINERATOR UNIT IDENTIFICATION
FOP-EXIST	EXISTING FUEL-OIL PUMP IDENTIFICATION
BFVC-EXIST	EXISTING BOILER FEED/VACUUM CONDENSATE PUMP IDENTIFICATION
FT-EXIST	EXISTING FIN TUBE RADIATION IDENTIFICATION
ET-1	EXPANSION TANK IDENTIFICATION
RTU-1	PACKAGED ROOFTOP UNIT IDENTIFICATION
HRAC-1	PACKAGED ROOFTOP A/C UNIT IDENTIFICATION
ERV-1	PACKAGED ROOFTOP ENERGY RECOVERY UNIT IDENTIFICATION
AC-1	INDOOR AIR CONDITIONING UNIT IDENTIFICATION
HC-1	HOT WATER HEATING COIL IDENTIFICATION
CU-1	CABINET UNIT HEATER IDENTIFICATION
HTC-1	HOT WATER PANEL HEATER IDENTIFICATION
CU-1	CONDENSING UNIT IDENTIFICATION
B-1	HOT WATER BOILER IDENTIFICATION
HWC-1	HOT WATER CIRCULATOR PUMP IDENTIFICATION
HP-1	VRF ENERGY RECOVERY OUTDOOR UNIT IDENTIFICATION
FC-1	FANCOIL UNIT IDENTIFICATION
DOAS-1	DEDICATED OUTDOOR AIR SUPPLY UNIT IDENTIFICATION
FS	FLOW SELECTOR BOX IDENTIFICATION
2 V	
	POINT OF DISCONNECTION
	POINT OF CONNECTION, NEW TO EXISTING
EPV	EXISTING PLUMBING VENT
SMRE	SHEET METAL PIPE RISER ENCLOSURE
ERD	EXISTING ROOF DRAIN
CO2	TO CONTROLLED ITEM WALL MTD.(5'-2"+/- A.F.F.) CARBON DIOXIDE SENSOR

REMOVAL NOTES

REMOVAL NOTES:

1. THE SCOPE OF REMOVAL SHOWN ON "REMOVALS" DRAWINGS IS DIAGRAMMATIC ONLY AND INDICATES THE INTENT OF THE WORK TO BE PERFORMED AND NOT THE COMPLETE SCOPE OF DEMOLITION AND/OR REMOVAL WORK. IT SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR TO REMOVE ANY RELATED MECHANICAL DEVICES EVEN IF NOT SPECIFICALLY INDICATED TO BE REMOVED ON THESE DRAWINGS IN ORDER TO ACCOMMODATE NEW WORK.

2. DEVICES SHOWN CROSS HATCHED ON DRAWINGS ARE ITEMS TO BE REMOVED. ANY DEVICES REMOVED SHALL INCLUDE (BUT SHALL NOT BE LIMITED TO) THE REMOVAL OF ALL ASSOCIATED PIPING, CONTROLS, ETC. THAT ARE NOT INCORPORATED IN THE NEW LAYOUT, UNTIL SUCH REMOVAL IS COMPLETE. THIS CONTRACTOR SHALL PERFORM ALL WORK REQUIRED TO INSURE CONTINUITY OF SERVICE TO EXISTING REMAINING EQUIPMENT. NO EXTRAS RELATING TO THE SCOPE OF WORK DESCRIBED WILL BE ALLOWED.

3. EQUIPMENT, PIPING, ETC., REQUIRED TO RECONNECT SHALL BE INSTALLED CONCEALED WITHIN THE NEW SUSPENDED CEILINGS, PARTITIONS AND/OR WALLS, FLOORS, NO SURFACE MOUNTED OR EXPOSED EQUIPMENT, PIPING, ETC., SHALL BE PERMITTED, UNLESS SPECIFICALLY INDICATED.

4. ALL ITEMS TO BE REMOVED SHALL BE REVIEWED WITH THE OWNER PRIOR TO REMOVAL. OWNER SHALL HAVE FIRST SALVAGE RIGHTS. ITEMS THE OWNER WISHES TO KEEP SHALL BE REMOVED WITH CARE AND STORED AS DIRECTED BY OWNER. ITEMS THE OWNER DOES NOT WISH TO KEEP SHALL BE REMOVED FROM THE SITE AND DISPOSED OF PROPERLY.

5. EXISTING BOILERS SHALL BE CONVERTED FROM STEAM TO HOT WATER. BOILER CONTROLS, RELIEF VALVES AND ALL ASSOCIATED TRIM AND ACCESSORIES SHALL BE REMOVED AND REPLACED TO ACCOMMODATE THE BOILER CONVERSION FROM STEAM TO HOT WATER. BOILERS SHALL BE RE-CERTIFIED FOR HOT WATER DUTY.

6. EXISTING STEAM AND CONDENSATE RETURN DISTRIBUTION MAINS, BRANCH PIPING AND ALL ASSOCIATED SUPPORTS SERVING ALL HVAC SYSTEMS SHALL BE REMOVED IN THEIR ENTIRETY. PIPING THAT CAN NOT BE REMOVED DUE TO UNFORESEEN CIRCUMSTANCES AND EXISTING CONDITIONS SHALL BE SUBMITTED TO OWNER ARCHITECT FOR APPROVAL TO BE ABANDONED WITH ENDS CAPPED AND SEALED.

7. REMOVE EXISTING STEAM/CONDENSATE PIPING, RADIATORS, CABINET HEATERS, CONVECTORS, UNIT VENTILATORS WITH ASSOCIATED LOUVERS, FIN TUBE, ENCLOSURES, SUPPORTS AND CONNECTING PIPING. PATCH AND SEAL ASSOCIATED WALLS, FLOOR AND CEILING PENETRATIONS TO MATCH EXISTING CONSTRUCTION.

8. REMOVE EXISTING AIR HANDLERS, STEAM COILS, EXHAUST FANS, ASSOCIATED DISTRIBUTION DUCTWORK, CONNECTING PIPING, CONTROLS AND SUPPORTS. COORDINATE WITH GC TO PATCH AND SEAL ASSOCIATED WALLS, FLOOR, CEILINGS AND ROOF OPENINGS TO MATCH EXISTING CONSTRUCTION.

9. REMOVALS SHALL BE COORDINATED WITH OTHER TRADES AFFECTED.

10. REMOVAL OF ANY PIECE OF EQUIPMENT OR TERMINAL DEVICE SHALL INCLUDE REMOVAL OF CONNECTING DUCTWORK AND PIPING BACK TO EXISTING MAINS THAT REMAIN. CAP EACH BRANCH AIR/WATER-TIGHT. CONTROLS AND CONTROL COMPONENTS SHALL ALSO BE REMOVED. DO NOT LEAVE COMPONENTS (CONTROLLERS, PNEUMATICS, ETC.) THAT HAVE NO FUNCTION. PROVIDE CONTROL WIRING, DUCTWORK, PIPING, ETC. AS NECESSARY TO MAINTAIN CONTINUITY OF SERVICE FOR EQUIPMENT OR TERMINAL DEVICES TO REMAIN.

11. ALL PIPING TO BE REMOVED SHALL BE PROPERLY PLUGGED OR CAPPED BENEATH FINISHED SURFACES, SO THAT UPON COMPLETION OF ALL NEW WORK, ALL ABANDONED PIPING SHALL BE CONCEALED IN FINISHED AREAS. ALL ACCESSIBLE STEAM PIPING SHALL BE REMOVED.

12. NO DEAD ENDS SHALL BE LEFT ON ANY PIPING UPON COMPLETION OF JOB. BRANCHES SHALL BE CUT AND CAPPED AT MAINS.

13. CHIMNEY INSPECTION AND SOOT REMOVAL: ON PROJECTS INCLUDING BOILER CONVERSION, CONTRACTOR SHALL GATHER TOGETHER WITH A VACUUM-CLEANING MACHINE ALL ACCUMULATIONS OF SOOT. HE SHALL REMOVE ALL SOOT FROM THE BASE OF THE CHIMNEY. THE CHIMNEY SHALL BE INSPECTED AND ANY DEFICIENCIES NOTED IN A WRITTEN REPORT.

BEFORE FABRICATION THIS CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AND CONDITIONS ON JOB AND COORDINATE HIS WORK WITH THE WORK OF ALL OTHER CONTRACTORS

KEY PLAN
SCALE N.T.S.

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S.E.D. CONTROL NUMBER:
66-23-00-01-0-032-010

BID SCHEDULE #

PROJECT TITLE
YONKERS SCHOOL DISTRICT
PHASE 1 OF 3 FOR WINDOWS, MASONRY, HVAC, MISC. IMPROVEMENTS & SITE WORK AT SCHOOL # P.S. 32
1 MONTCLAIR PLACE, YONKERS, NY 10710

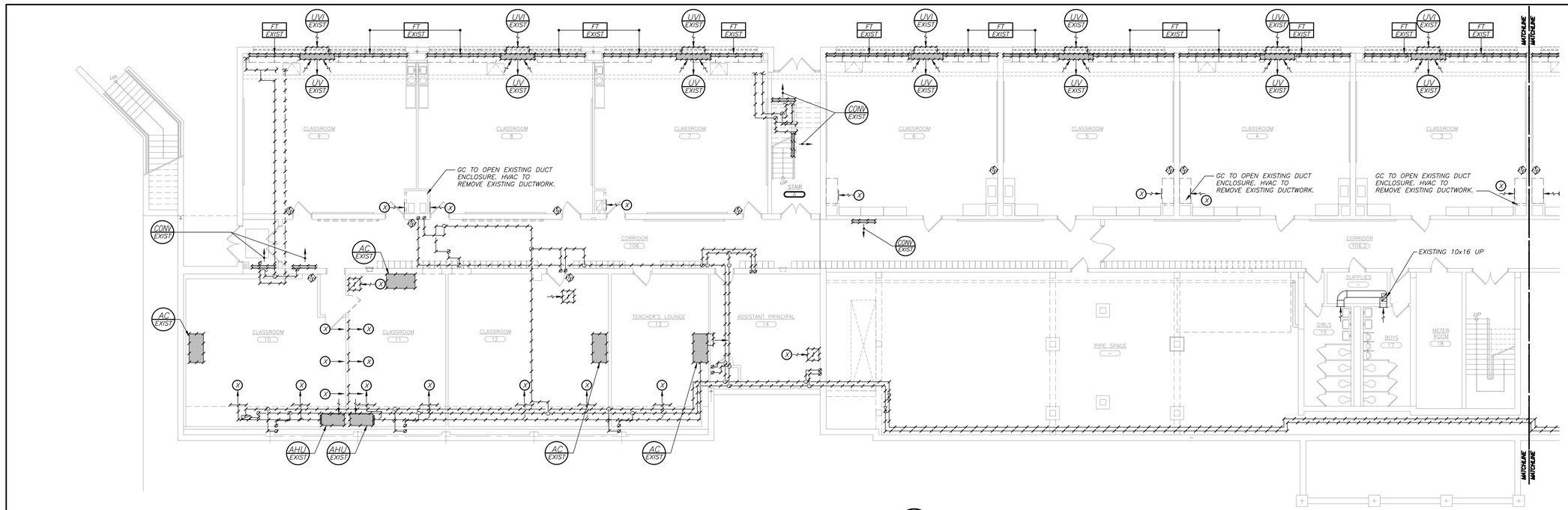
DRAWING TITLE
LEGEND AND NOTES

12-22-2023	BID
11-06-2020	100% C.D. SUBMISSION
06-01-2020	100% D.D. SUBMISSION
05-01-2020	50% D.D. SUBMISSION
DATE	ISSUED TO

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SCALE: AS NOTED	
DRAWN BY: BGA	FILE NO.: 19360.00

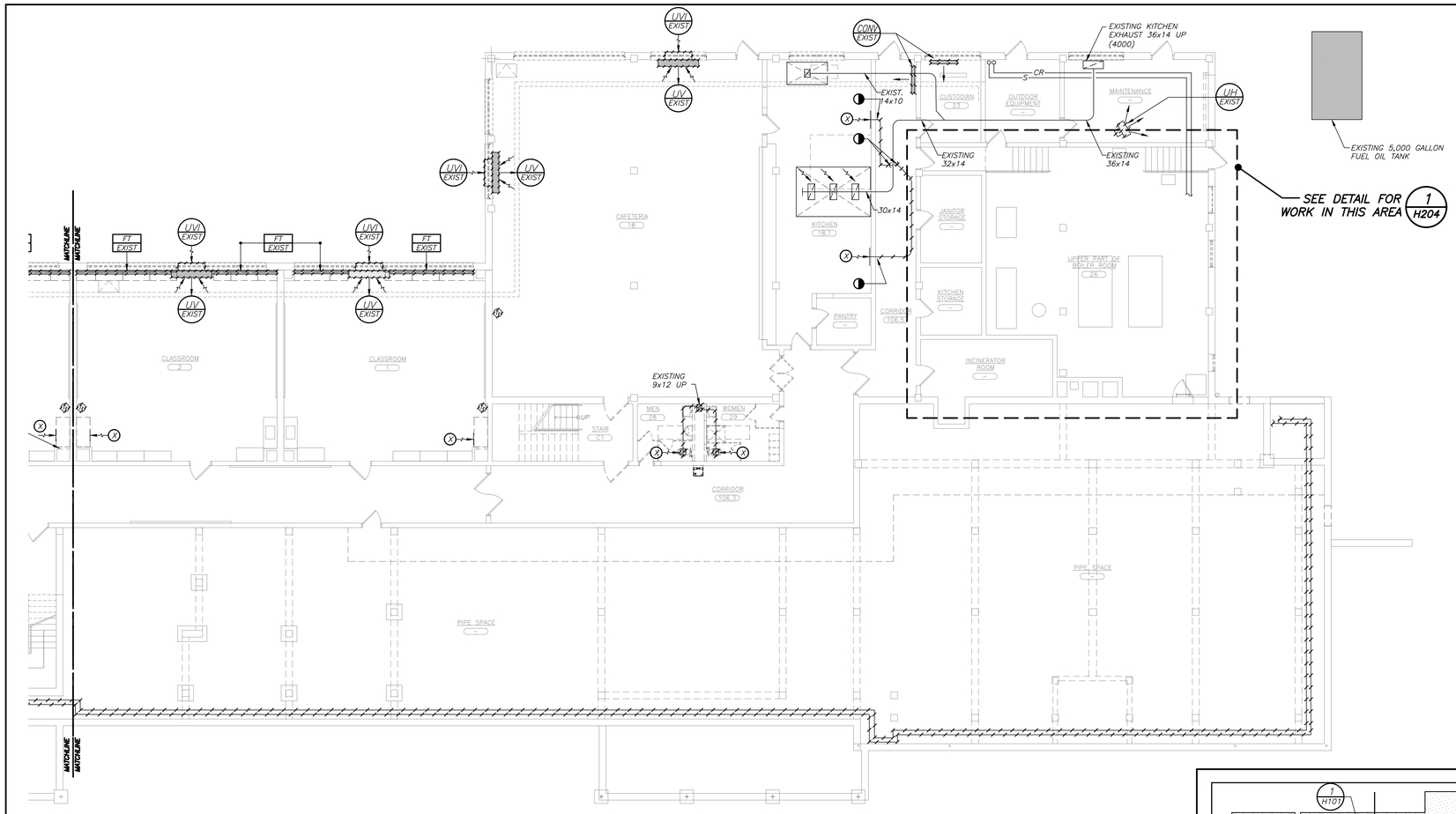
PLOT DATE: December 20, 2023 - 4:58pm

FILE: Y:\YONKERS PUBLIC SCHOOLS\YPS - School 32 - Renovations (1948.00)\Drawings\HVAC\194800H001.dwg



PART LOWER LEVEL FLOOR PLAN (REMOVALS)

1/H101 — 0, 8', 16' — 1/8 inch=1 foot



PART LOWER LEVEL FLOOR PLAN (REMOVALS)

2/H101 — 0, 8', 16' — 1/8 inch=1 foot

KEY PLAN — SCALE N.T.S. — 1/H101, 2/H101

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S.E.D. CONTROL NUMBER:
66-23-00-01-0-032-010

BID SCHEDULE #

BUILDING TITLE
YONKERS SCHOOL DISTRICT
PHASE 1 OF 3 FOR WINDOWS, MASONRY, HVAC, ROOF REPLACEMENTS & SITE WORK AT SCHOOL P.S. 32
1 MONTCLAIR PLACE, YONKERS, NY 10710

DRAWING TITLE
PARTIAL LOWER LEVEL FLOOR PLANS REMOVALS

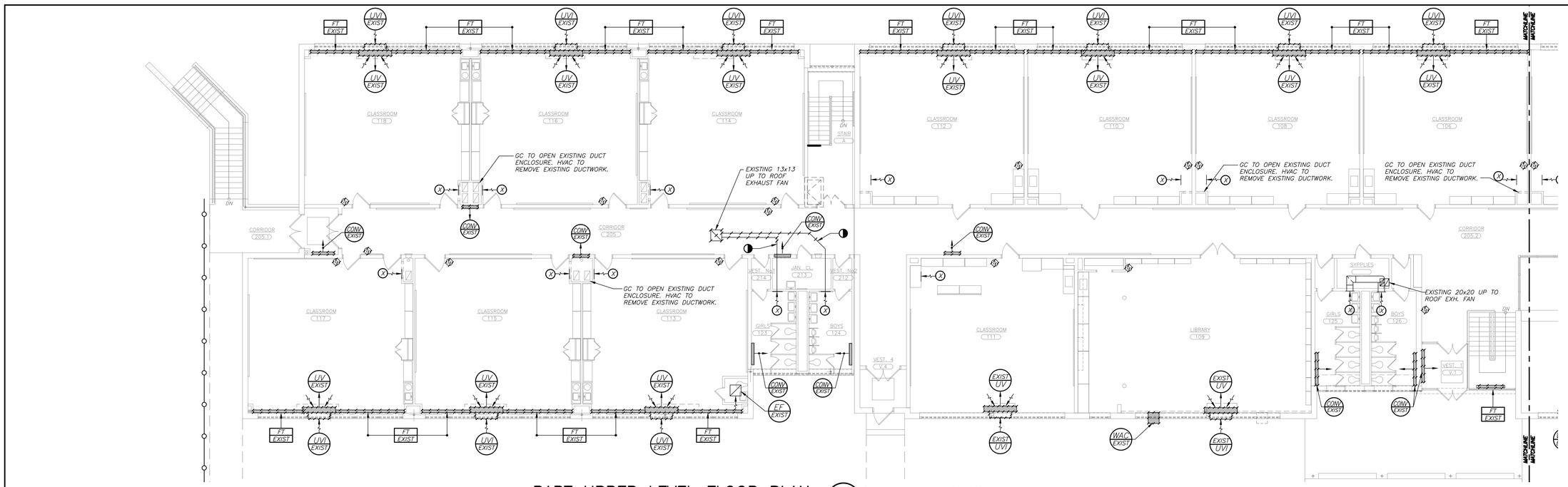
DATE	ISSUED TO
12-22-2023	BID
11-06-2020	100% C.D. SUBMISSION
06-01-2020	100% D.D. SUBMISSION
05-01-2020	50% D.D. SUBMISSION

SHEET SIZE: 30"x42"
DRAWING NO.: H101
SCALE: AS NOTED
DRAWN BY: BGA
FILE NO.: 19360.00

BEFORE FABRICATION THIS CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AND CONDITIONS ON JOB AND COORDINATE HIS WORK WITH THE WORK OF ALL OTHER CONTRACTORS

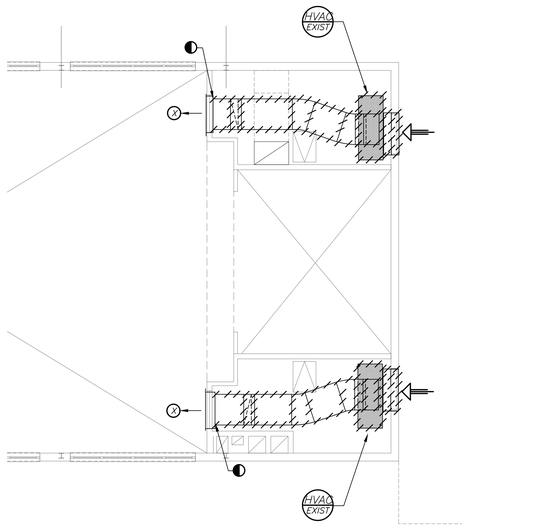
PLOT DATE: December 20, 2023 - 4:58pm

FILE: Y:\YONKERS PUBLIC SCHOOLS\YPS - School 32 - Renovations (1948.00)\Drawings\HVAC\194800H101.dwg



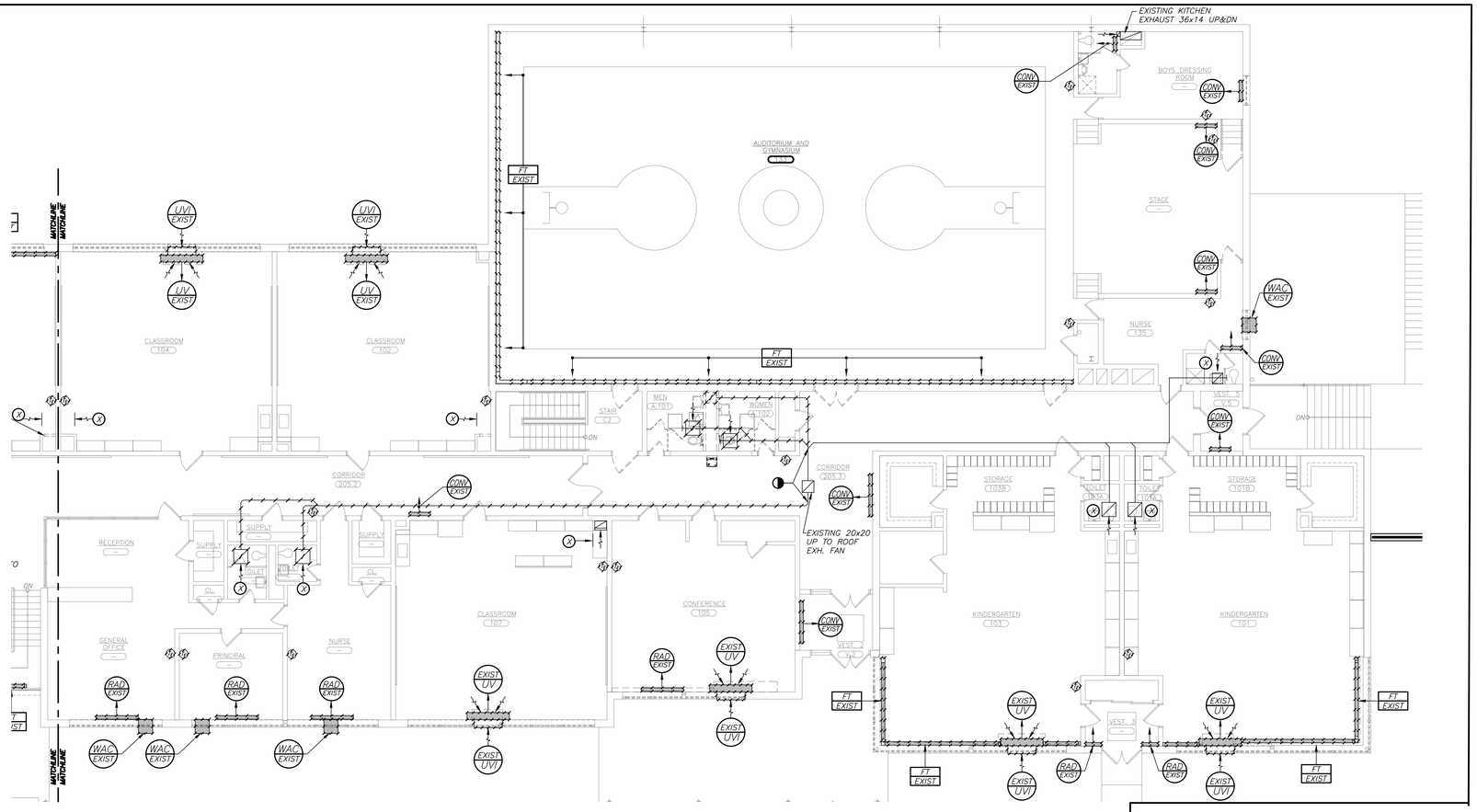
PART UPPER LEVEL FLOOR PLAN (REMOVALS)

1 / H102 — 0, 8', 16' — 1/8 inch=1 foot



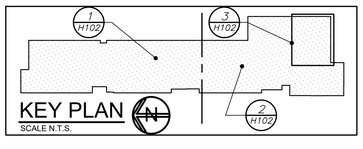
MECHANICAL LEVEL FLOOR PLAN (NEW WORK)

3 / H102 — 0, 8', 16' — 1/8 inch=1 foot



PART UPPER LEVEL FLOOR PLAN (REMOVALS)

2 / H102 — 0, 8', 16' — 1/8 inch=1 foot



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PLOT DATE: December 20, 2023 - 4:58pm

FILE: Y:\YONKERS PUBLIC SCHOOLS\YPS - School 32 - Renovations (1948.00)\Drawings\HVAC\194800H102.dwg

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S.E.D. CONTROL NUMBER:
66-23-00-01-0-032-010

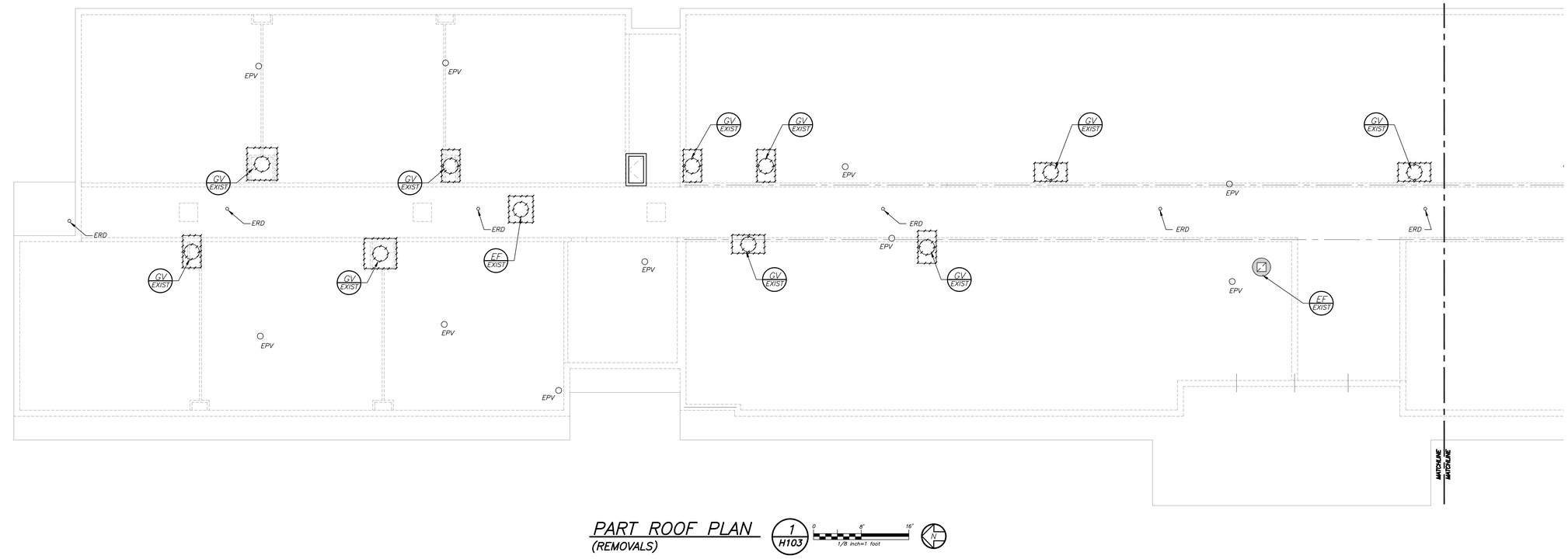
BID SCHEDULE #

PROJECT TITLE: YONKERS SCHOOL DISTRICT PHASE 1 OF 3 FOR WINDOWS, MASONRY, INTERIOR & MECHANICAL WORK AT SCHOOL P.S. 32 1 MONTCLAIR PLACE, YONKERS, NY 10710

DRAWING TITLE: PARTIAL UPPER LEVEL FLOOR PLANS REMOVALS

DATE	ISSUED TO
12-22-2023	BID
11-06-2020	100% C.D. SUBMISSION
06-01-2020	100% D.D. SUBMISSION
05-01-2020	50% D.D. SUBMISSION

SHEET SIZE: 30"x42"
DRAWING NO.: H102
SCALE: AS NOTED
FILE NO.: 19360.00
DRAWN BY: BGA



PART ROOF PLAN (REMOVALS)

1 / H103

0 8" 16"

1/8 inch=1 foot

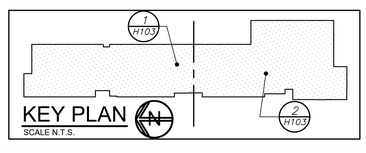


PART ROOF PLAN (REMOVALS)

2 / H103

0 8" 16"

1/8 inch=1 foot



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S.E.D. CONTROL NUMBER:

66-23-00-01-0-032-010

BID SCHEDULE #

PROJECT TITLE
YONKERS SCHOOL DISTRICT
PHASE-1 OF 3 FOR WINDOWS, MASONRY, MECHANICAL, ROOF REPLACEMENTS & SITE WORK AT SCHOOL P.S. 32
1 MONTCLAIR PLACE, YONKERS, NY 10710

DRAWING TITLE
PARTIAL ROOF PLANS REMOVALS

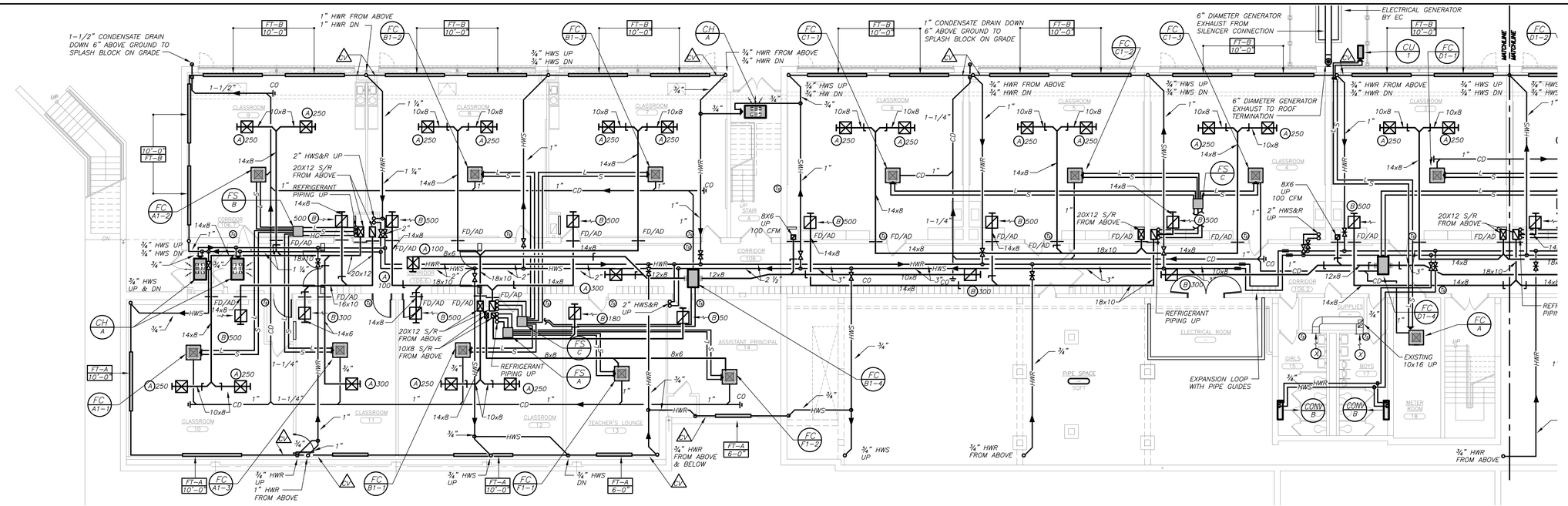
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06-01-2020	100% D.D. SUBMISSION
05-01-2020	50% D.D. SUBMISSION

SHEET SIZE 30"x42"	DRAWING NO. H103
SCALE AS NOTED	
DRAWN BY BGA	FILE NO. 19360.00

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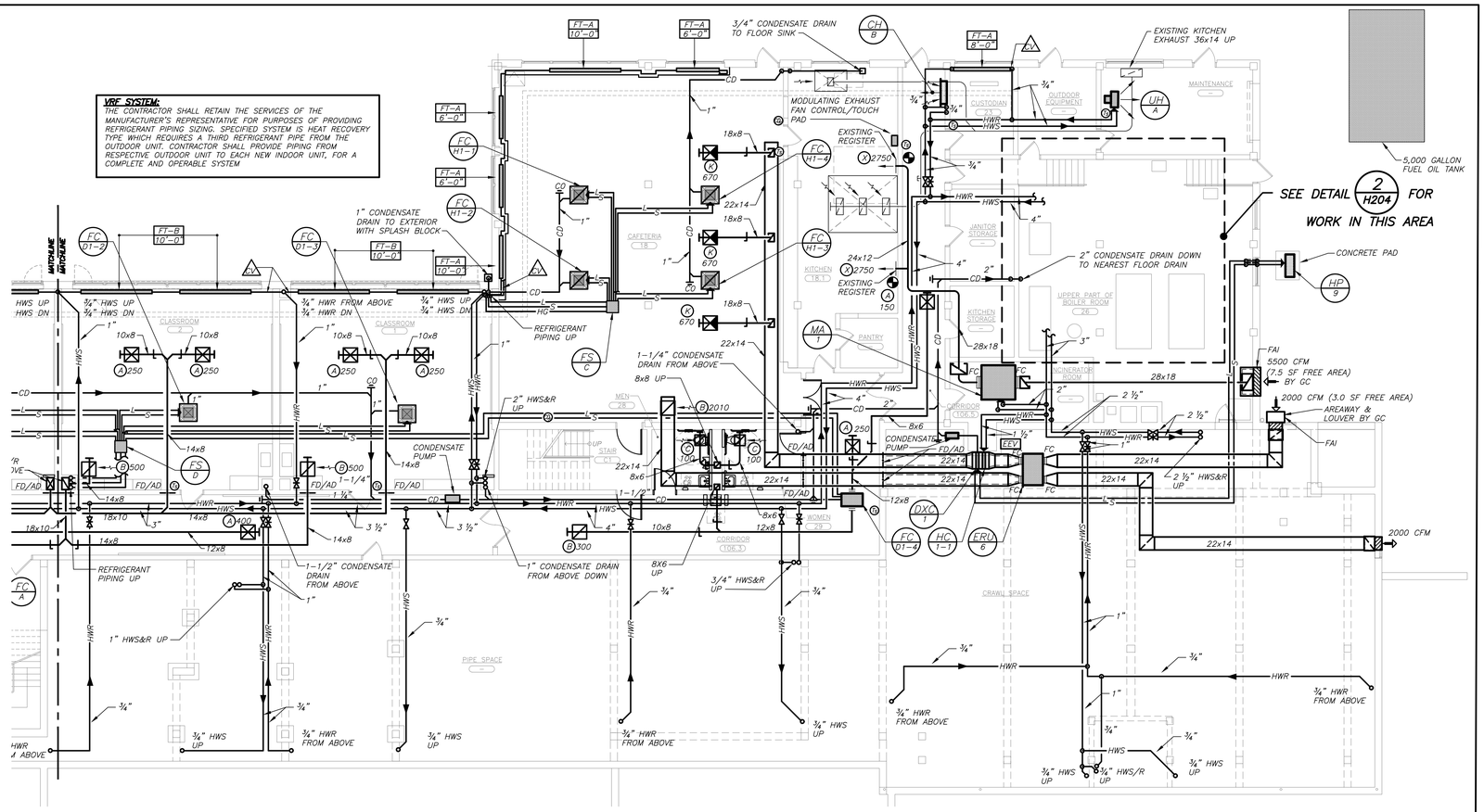
PLOT DATE: December 20, 2023 - 4:58pm

FILE: Y:\YONKERS PUBLIC SCHOOLS\YPS - School 32 - Renovations (1948.00)\Drawings\HVAC\194800H103.dwg



PART LOWER LEVEL FLOOR PLAN
(NEW WORK)

1/8 inch=1 foot



PART LOWER LEVEL FLOOR PLAN
(NEW WORK)

1/8 inch=1 foot

KEY PLAN
SCALE N.T.S.

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S.E.D. CONTROL NUMBER:
66-23-00-01-0-032-010

BID SCHEDULE #

PROJECT TITLE
YONKERS SCHOOL DISTRICT
PHASE 1 OF 3 FOR WINDOWS, MASONRY, MISC. IMPROVEMENTS & SITE WORK
AT SCHOOL P.S. 32
1 MONTCLAIR PLACE, YONKERS, NY 10710

DRAWING TITLE
PARTIAL LOWER LEVEL FLOOR PLANS
NEW WORK

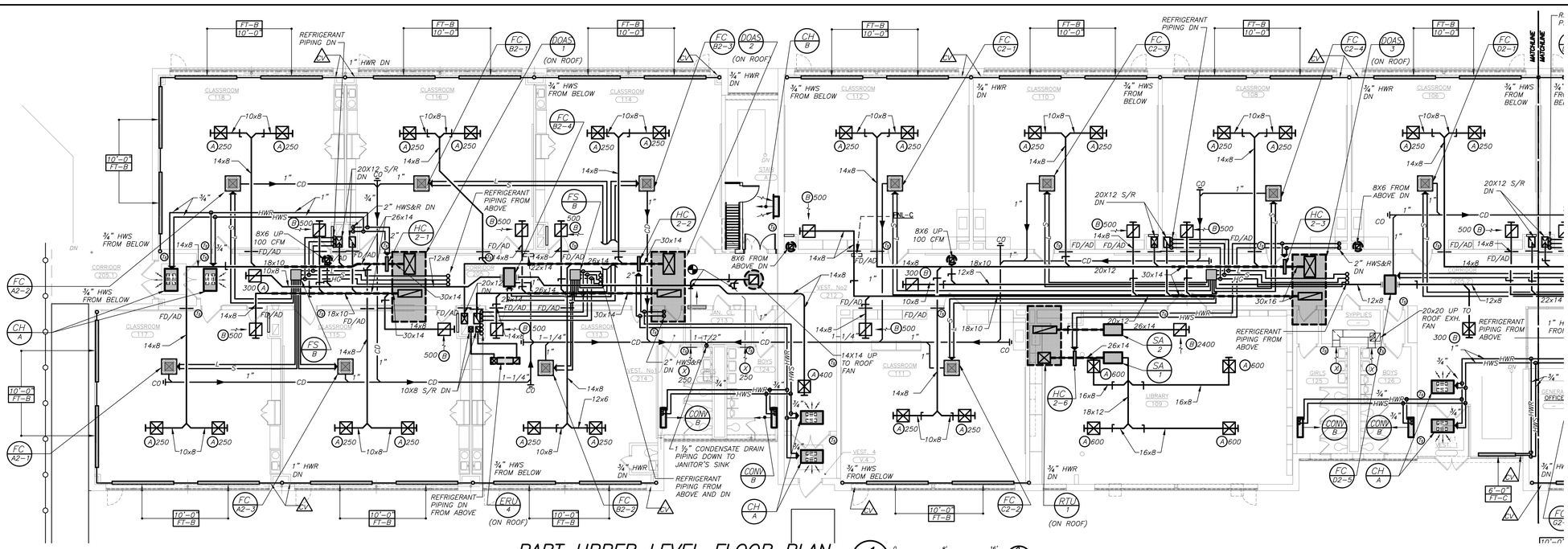
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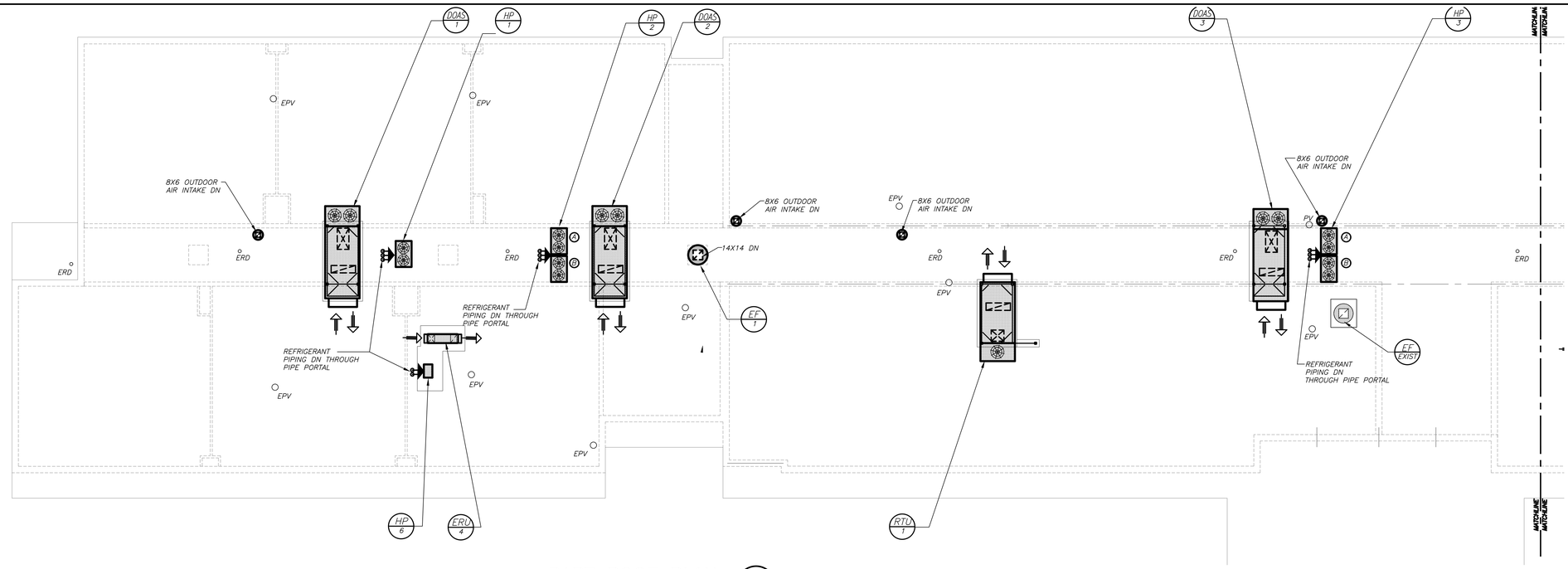
SHEET SIZE 30"x42" | DRAWING NO. H201
SCALE AS NOTED
DRAWN BY BGA | FILE NO. 19360.00

BEFORE FABRICATION THIS CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AND CONDITIONS ON JOB AND COORDINATE HIS WORK WITH THE WORK OF ALL OTHER CONTRACTORS

PLOT DATE: December 20, 2023 – 4:58pm

FILE: Y:\YONKERS PUBLIC SCHOOLS\YPS – School 32 – Renovations (1948.00)\Drawings\HVAC\194800H201.dwg


REFRIGERANT PIPING DN
1" HWR DN
¾" HWS FROM BELOW
¾" HWR DN
¾" HWS FROM BELOW
REFRIGERANT PIPING DN
20X12 S/R DN
REFRIGERANT PIPING FROM ABOVE
8X6 UP 100 CFM
8X6 FROM ABOVE DN
8X6 FROM ABOVE DN
20X12 S/R DN
20X12 S/R DN
2" HWS&R DN
20x20 UP TO ROOF EXH. FAN
REFRIGERANT PIPING FROM ABOVE
14X14 UP TO ROOF FAN
1 ½" CONDENSATE DRAIN PIPING DOWN TO JANITOR'S SINK
REFRIGERANT PIPING FROM ABOVE AND DN
REFRIGERANT PIPING DN FROM ABOVE
REFRIGERANT PIPING FROM ABOVE
10X8 S/R DN
2" HWS&R DN
¾" HWR DN
¾" HWS FROM BELOW
¾" HWR DN
¾" HWS FROM BELOW
¾" HWR DN
¾" HWS FROM BELOW



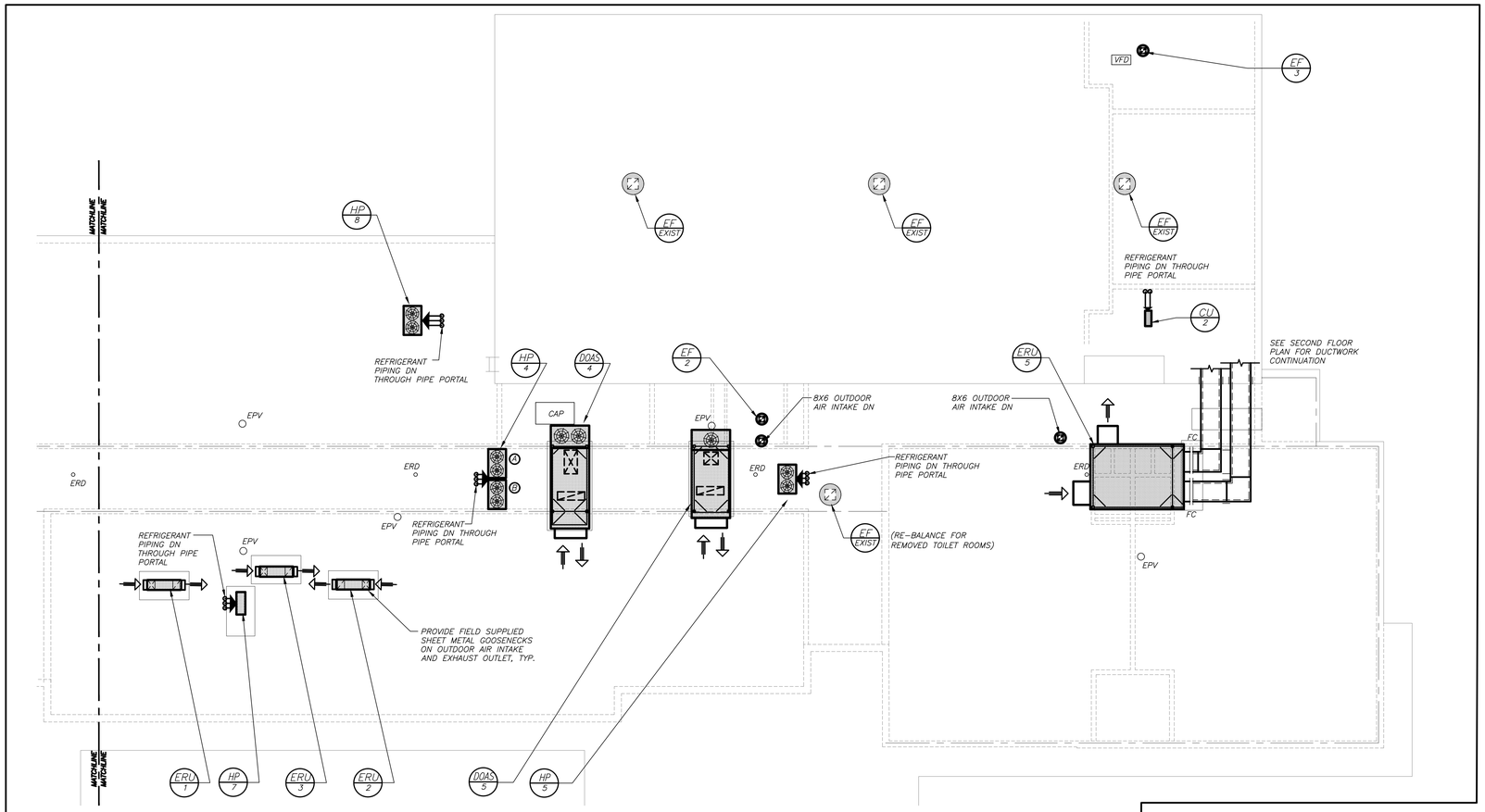
PART ROOF PLAN (NEW WORK)

1 / H203

0 8' 16'

1/8 inch=1 foot

N



PART ROOF PLAN (NEW WORK)

2 / H203

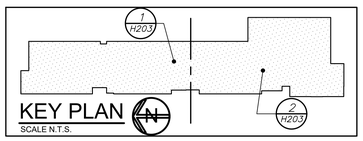
0 8' 16'

1/8 inch=1 foot

N

KEY PLAN

SCALE N.T.S.



BEFORE FABRICATION THIS CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AND CONDITIONS ON JOB AND COORDINATE HIS WORK WITH THE WORK OF ALL OTHER CONTRACTORS

PLOT DATE: December 20, 2023 - 4:58pm

FILE: Y:\YONKERS PUBLIC SCHOOLS\YPS – School 32 – Renovations (1948.00)\Drawings\HVAC\194800H203.dwg

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S.E.D. CONTROL NUMBER:

66-23-00-01-0-032-010

BID SCHEDULE #

PROJECT TITLE
YONKERS SCHOOL DISTRICT
PHASE 1 OF 3 FOR WINDOWS, MASONRY, INTERIOR UPGRADES, ADDITIONS & SITE WORK AT SCHOOL P.S. 32
1 MONTCLAIR PLACE, YONKERS, NY 10710

DRAWING TITLE
PARTIAL ROOF PLANS
NEW WORK

DATE	ISSUED TO
12-22-2023	BID
11-06-2020	100% C.D. SUBMISSION
06-01-2020	100% D.D. SUBMISSION
05-01-2020	50% D.D. SUBMISSION

SHEET SIZE 30"x42"

DRAWING NO. H203

SCALE AS NOTED

DRAWN BY BGA

FILE NO. 19360.00

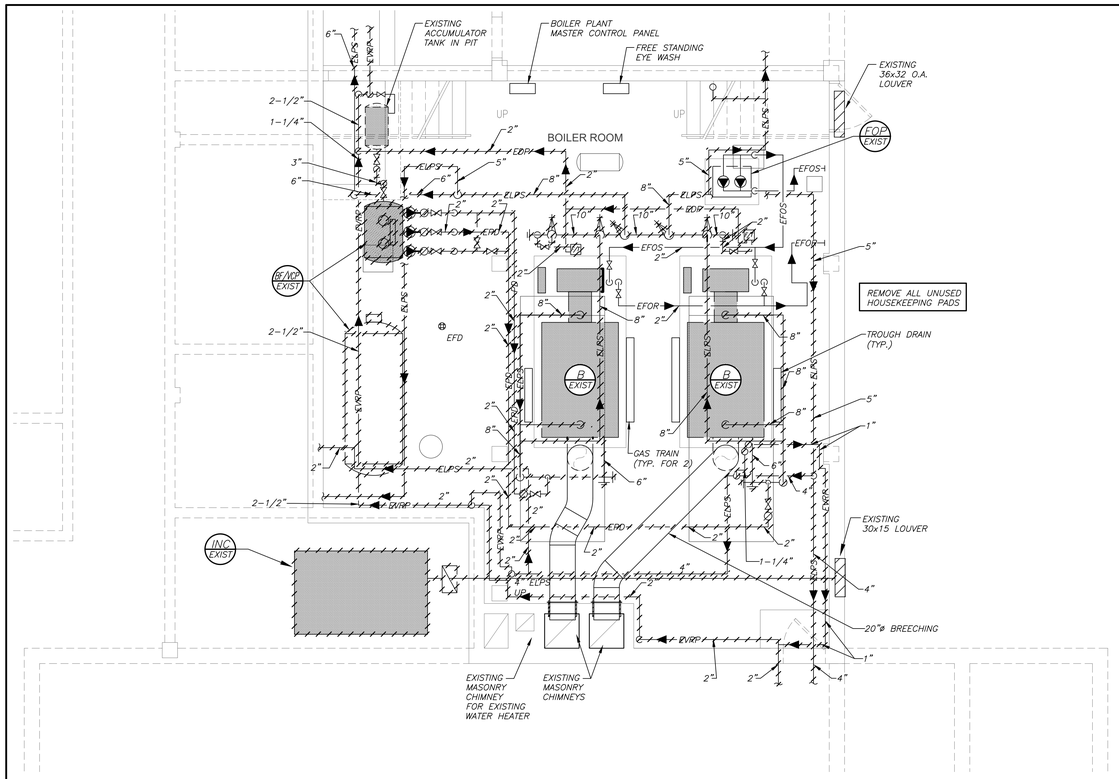
KEYED NOTES (NEW BOILER WORK)

1 CONVERT (2) EXISTING BOILERS (WEIL MCLAIN MODEL 1494) FROM STEAM OPERATION TO HOT WATER. COMPLY WITH MANUFACTURER'S RECOMMENDATIONS AND INSTRUCTIONS AND OBTAIN ALL APPROVALS. PROVIDE COMPLETE START-UP AND TEST OF THE CONVERTED BOILER SYSTEM USING FACTORY AUTHORIZED SERVICE AGENT. SEE SPECIFICATIONS.

THE CONVERSION SHALL INCLUDE BUT NOT BE LIMITED TO THE FOLLOWING SCOPE OF WORK:

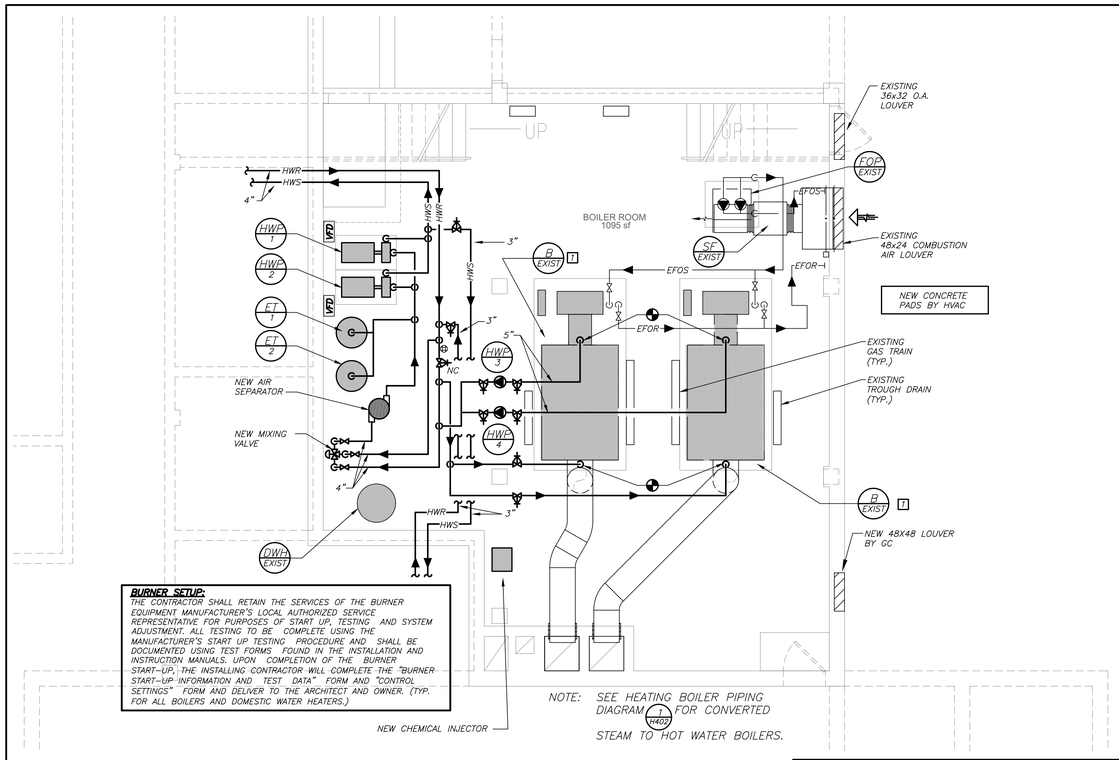
BOILER CONTROLS, RELIEF VALVES AND ALL ASSOCIATED TRIM AND ACCESSORIES SHALL BE REMOVED AND REPLACED TO ACCOMMODATE THE BOILER CONVERSION FROM STEAM TO HOT WATER. EXISTING FUEL OIL PUMPS, PIPING AND ASSOCIATED CONTROLS SHALL BE PROTECTED DURING CONVERSION. FUEL OIL PUMPS SHALL BE TESTED, DOCUMENTED AND SUBMITTED INDICATING PUMP PERFORMANCES PRIOR TO DEMOLITION AND AGAIN AFTER CONVERSION FOR REQUIRED OPERATION PERFORMANCES. CONTRACTOR IS RESPONSIBLE TO REFURBISH PUMPS IF DAMAGED DURING CONSTRUCTION.

a. REMOVAL OF THE BOILER STEAM RISERS, SUB-HEADER AND EQUALIZER PIPING.
b. REMOVAL OF THE STEAM PRESSURE RELIEF VALVES.
c. REMOVAL OF THE OPERATING, HIGH LIMIT BOILER PRESSURE CONTROLS.
d. REMOVAL OF THE BOILER PRESSURE GAUGE.
e. A COMPLETE CLEANING OF THE FIRESIDE OF THE BOILER TO INCLUDE BRUSH AND VACUUMING OF THE HEAT EXCHANGER AND RE-ASSEMBLY OF THE CLEAN OUT PASSAGES WITH NEW HIGH TEMPERATURE ROPE AS NEEDED.
f. A COMPLETE CLEANING OF THE BOILER WATERSIDE TO INCLUDE WASHING, FLUSHING AND DE-SCALING OF THE HX IF NECESSARY.
g. USING THE EXISTING FLANGED CONNECTION ON THE BOILER FRONT SECTION, REMOVE THE BLANKING PLATE AND INSTALL NEW PIPING TO HOT WATER SUPPLY.
h. REMOVE THE FLANGE AND BLANKING PLATE FROM THE REAR SECTION. FURNISH AND INSTALL A RETURN TEMPERATURE STABILIZER TUBE ASSEMBLY IN THE REAR SECTION, SLIDING THE ASSEMBLY INTO THE BOILER PER THE MANUFACTURER'S INSTRUCTIONS. CONNECT NEW RETURN PIPING TO THIS FLANGE CONNECTION.
i. FURNISH AND INSTALL PIPE PLUGS IN THE SECTION TAPS WHERE THE RISERS WERE REMOVED.
j. FURNISH THE FOLLOWING NEW BOILER CONTROLS:
   1. L4006A OPERATING CONTROLLER.
   2. L4006E HIGH LIMIT CONTROLLER.
   3. TEMPERATURE SENSOR FOR EXISTING T775 CONTROLLER LOCATED IN BURNER PANEL
   4. PRESSURE / TEMPERATURE GAUGE
   5. WATTS TYPE 740 PRESSURE RELIEF VALVE – 50 PSI WITH A MINIMUM RELIEVING CAPACITY OF 3,344 MBH OR GREATER.
   6. DUAL LOW WATER CUTOFF'S.



PART LOWER LEVEL FLOOR PLAN
(REMOVALS)

1/H204 — 1/4 inch=1 foot



BURNER SETUP:
THE CONTRACTOR SHALL RETAIN THE SERVICES OF THE BURNER EQUIPMENT MANUFACTURER'S LOCAL AUTHORIZED SERVICE REPRESENTATIVE FOR PURPOSES OF START UP, TESTING AND SYSTEM ADJUSTMENT. ALL TESTING TO BE COMPLETE USING THE MANUFACTURER'S START UP TESTING PROCEDURE AND SHALL BE DOCUMENTED USING TEST FORMS FOUND IN THE INSTALLATION AND INSTRUCTION MANUALS. UPON COMPLETION OF THE BURNER START-UP, THE INSTALLING CONTRACTOR WILL COMPLETE THE "BURNER START-UP INFORMATION AND TEST DATA" FORM AND "CONTROL SETTINGS" FORM AND DELIVER TO THE ARCHITECT AND OWNER. (TYP. FOR ALL BOILERS AND DOMESTIC WATER HEATERS.)

NOTE: SEE HEATING BOILER PIPING DIAGRAM 1/H403 FOR CONVERTED STEAM TO HOT WATER BOILERS.

PART LOWER LEVEL FLOOR PLAN
(NEW WORK)

2/H204 — 0 4' 8' — 1/4 inch=1 foot

KEY PLAN — SCALE N.T.S.

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S.E.D. CONTROL NUMBER:
66-23-00-01-0-032-010

BID SCHEDULE #

PROJECT TITLE
YONKERS SCHOOL DISTRICT
PHASE 1 OF 3 FOR WINDOWS, MASONRY, INTERIOR WORK, ROOFS, PAVEMENTS & SITE WORK
AT SCHOOL P.S. 32
1 MONTICLAIR PLACE, YONKERS, NY 10710

DRAWING TITLE
BOILER ROOM FLOOR PLANS
REMOVALS AND NEW WORK

DATE	ISSUED TO
12-22-2023	BID
11-06-2020	100% C.D. SUBMISSION
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05-01-2020	50% D.D. SUBMISSION

SHEET SIZE 30"x42" | DRAWING NO. H204
SCALE AS NOTED
DRAWN BY BGA | FILE NO. 19360.00

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PLOT DATE: December 20, 2023 - 4:58pm

FILE: Y:\YONKERS PUBLIC SCHOOLS\YPS – School 32 – Renovations (1948.00)\Drawings\HVAC\194800H204.dwg

SCHEDULE OF PACKAGED ROOFTOP UNITS (HEAT PUMPS WITH ENERGY RECOVERY)

MARK	SERVICE	LOCATION	MODEL No. (1)	AIRFLOW CONDITIONS					SUPPLY FAN				EXHAUST FAN				ENTHALPY					GAS HEATING DATA				CONDENSING UNIT DATA			DX COOLING COIL DATA						HOT WATER HEATING COIL DATA						FILTERS	ELECTRICAL DATA			DIMENSIONS			WEIGHT LBS	GENERAL REMARKS
				O.A. CFM	E.A. CFM	R.A. CFM	S.A.ESP IN. WC.	R.A.ESP. IN. WC.	TYPE	CFM	T.S.P. IN. W.C.	HP	TYPE	CFM	T.S.P. IN. W.C.	HP	L.A.T. SUMMER DB°F	L.A.T. SUMMER WB°F	L.A.T. WINTER DB°F	L.A.T. WINTER WB°F	HP (2)	INPUT MBH	OUTPUT MBH	ENT. AIR TEMP. DB °F	LVG. AIR TEMP. DB °F	REFRIG.	ENT. AIR TEMP. DB °F	HP	CAPACITY TOTAL/SEN. MBH	VELOCITY F.P.M.	E.A.T. °F DB/WB	L.A.T. °F DB/WB				CAPACITY TOTAL MBH	VELOCITY F.P.M.	E.A.T. °F DB/WB	L.A.T. °F DB/WB	GPM		INTAKE RETURN	VOLTAGE	MCA	MOCP	L	W	H		
RTU-1	LIBRARY 109	ROOF	AHR-800-RT-DX	900	900	1500	1.0	1.0	PLENUM	2400	1.5	2	PLENUM	2400	1.0	1.5	79.3	67.2	55.1	43.3	1/4	–	–	–	–	R410A	96	–	72	54	500	82.1 / 75.1	52 / 52				SEE HC 2-8	–	–	–	–		MERV 13	208/3/60	36.4	50	165	64	67	2753	REFER TO 1 2 3 4 6 7 8 9 11

NOTES
1. AS MANUFACTURED BY "XETEX". "TEMPMASTER" IS AN APPROVED EQUAL.
2. FROST CONTROL BY V.F.D.
3. DESIGN AIR CONDITION: SUMMER O.A. (95°F/75°F) R.A. (75°F/63°F); WINTER O.A. (0°F/0°F) R.A. (70°F/53°F).
4. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE MANUFACTURER'S SUPERVISION FOR FIELD INSTALLATION AND START-UP.
5. PROVIDE ROOFTOP UNIT WITH STAGED COOLING, ENAMELED FINISH (COLOR TO BE DETERMINED BY ARCHITECT), MOTORIZED CONTROL DAMPERS, DAMPER END SWITCHES, 100% ENTHALPY ECONOMIZER CONTROLS, FROST PROTECTION, HOT GAS BY-PASS, ENERGY RECOVERY WHEEL, DIRTY FILTER CONTACTS, BLOWER SHEAVE AND BELT FOR SELECTED STATIC USE, DISCONNECT SWITCH, VFD'S, POWERED CONVENIENCE OUTLET, PHASE MONITOR, 4" THICK MERV 8 PLEATED FILTERS (AS NOTED), STAINLESS STEEL DRAIN PAN, HINGED ACCESS PANELS, BACNET COMPARABLE AUTOMATED CONTROLS. PROVIDE FIELD INSTALLED FULL ECONOMIZER/POWER EXHAUST.
6. PROVIDE POWERED 120 VOLT GFI SERVICE RECEPTACLE.
7. INSTALL RTU ON FULL CURB SUPPORT.
8. DUCT MOUNTED HOT WATER HEATING COIL.
9. CONDENSING UNIT ATTACHED TO UNIT BASE RAIL.
10. REFRIGERANT R-410A.
11. COORDINATE HVAC EQUIPMENT FAN SHUT DOWN BY FIRE ALARM PANEL WITH ELECTRICAL CONTRACTOR.

SCHEDULE OF PUMPS

MARK	SERVICE	LOCATION	MODEL N2	GPM	HEAD FT.H2O	RPM	MOTOR HP	ELECTRIC SERVICE	REMARKS
HWP-1	BUILDING DISTRIBUTION	BOILER ROOM	SERIES e-1510 2.5BB	350	78.5	1750	10.0	208/3/60	REFER TO 1 2 3
HWP-2	BUILDING DISTRIBUTION	BOILER ROOM	SERIES e-1510 2.5BB	350	78.5	1750	10.0	208/3/60	REFER TO 1 2 3
HWP-3	BOILER No.1	BOILER ROOM	SERIES e-80 3X3X7C	175	21.4	1750	2.0	208/3/60	REFER TO 1 2 3
HWP-4	BOILER No.2	BOILER ROOM	SERIES e-80 3X3X7C	175	21.4	1750	2.0	208/3/60	REFER TO 1 2 3

NOTES
1. AS MANUFACTURED BY "BELL & GOSSETT".
2. INSTALL PUMPS PER MANUFACTURER'S RECOMMENDATIONS.
3. PROVIDE VFD.

SCHEDULE OF CABINET HEATERS

MARK	TYPE UNIT	MODEL N2 (1)	CAPACITY DATA				MOTOR WATTS	MOTOR RPM	ELECTRIC SERVICE	REMARKS
			BTU/HR	CFM	GPM	PD.FT.				
CH-A	CEILING MTD.	RC 1170 03	20.6	335	2.0	0.25	1/15	1050	120/1/60	REFER TO 2 3 4 5 6
CH-B	RECESSED WALL	RW 1120 03	20.6	335	2.0	0.25	1/15	1050	120/1/60	REFER TO 2 3 4 5 6

NOTES
1. AS MANUFACTURED BY "STERLING".
2. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
3. CAPACITIES BASED ON LOW SPEED FAN SETTING, AND 170° F A.W.T.
4. PROVIDE 2 ROW COIL, THROWAWAY FILTERS, INTEGRAL SPEED CONTROL, DISCONNECT SWITCH, REMOTE WALL SENSOR CONNECTED TO BMS, GASKET AND PERMA LAP FRAME. COORDINATE FINISH AND COLOR WITH ARCHITECT.
5. UNIT DIMENSIONS 43"x25"x9.5", WEIGHT 150 LBS.
6. PROVIDE WITH HOT WATER RETURN AQUASTAT. AQUASTAT SHALL NOT ALLOW FAN TO OPERATE AT WATER TEMPERATURE BELOW 110 DEGREES F.

SCHEDULE OF DUCT MOUNTED D/X COILS

MARK	SERVICE	CLG. CAPACITY BTU/HR	E.A.T. (°F)	L.A.T. (°F)	CFM	COIL FACE AREA SQ.FT.	COIL FACE VELOC.FPM	ROWS	REMARKS
DXC-1	EDU-6	48,000	95	72	2000	–	400	–	REFER TO 1 2 3 4 5

NOTES
1. AS MANUFACTURED BY "NATIONWIDE COILS INC."
2. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
3. BASED ON A.R.I. CERTIFIED COIL SELECTIONS. REFRIGERANT R-410.
4. PROVIDE DUCT MOUNTED CASED DX COOLING/HEATING COIL SECTION SUPPORTED FROM STRUCTURE ABOVE. MOUNTING HARDWARE, ACCESS DOORS ON BOTH SIDES OF COIL, ASSOCIATED PIPING, CONTROLS AND APPURTENANCES.
5. PROVIDE EEV KIT AND COMMUNICATION KIT FOR D/X COIL OPERATION WITH LG VRF SYSTEM. KITS SHALL BE FIELD INSTALLED. AHU KIT REQUIRES 208/1/60 POWER.

SCHEDULE OF VRF FLOW SELECTOR UNITS

MARK	MODEL No. (1)	CAPACITY DATA (BTU/HR) UNIT	PORTS	EACH PORT	MCA	ELECTRIC SERVICE	PHYSICAL DATA LxWxH (IN)	WEIGHT (LBS)	REMARKS
FS-A	PRHR023A	120,000	2	60,000	0.17	208/1/60	19X19X9	35	REFER TO 2 3 4
FS-B	PRHR033A	180,000	3	60,000	0.17		19X19X9	38	REFER TO 2 3 4
FS-C	PRHR043A	230,000	4	60,000	0.17		19X19X9	40	REFER TO 2 3 4
FS-F	PRHR063A	230,000	6	60,000	0.27		31X19X9	60	REFER TO 2 3 4
FS-E	PRHR083A	230,000	8	60,000	0.27		31X19X9	68	REFER TO 2 3 4

NOTES
1. AS MANUFACTURED BY "LG." (KLIMA NEW YORK 914 255-4390)
2. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
3. REFRIGERANT R-410A.
4. PROVIDE MOUNTING HARDWARE. MOUNT UNIT HORIZONTALLY.

SCHEDULE OF ROOFTOP AIR HANDLING H & V UNITS (WITH ENERGY RECOVERY)

MARK	SERVICE	LOCATION	OUTSIDE AIR CFM MIN/MAX	MODEL No. (1)	SUPPLY FAN DATA CFM	EXT. S.P. IN WG	TYPE	MOTOR HP	RETURN-EXHAUST FAN CFM	EXT. S.P. IN WG	TYPE	MOTOR HP	HEAT TRANSFER WHEEL SUMMER L.A.T. DB °F	SUMMER L.A.T. WB °F	WINTER L.A.T. DB °F	WINTER L.A.T. WB °F	MOTOR H.P.	COOLING COIL DATA	MARK	HEATING COIL DATA	PRE & AFTER-FILTER DATA NO.	SIZE	TYPE	ELECTRICAL DATA MCA	MOCP	ELECTRIC SERVICE	ERU DIMENSION & WTS. L	W	H	WEIGHT LBS	REMARKS
ERU-1	GYMNASIUM	ROOF	4700 / 10,000	AVR 1200 RT-BP-RC	10,000	1.5	CENTRIFUGAL	(4) 3.0	10,000	1.5	CENTRIFUGAL	(2) 5.0	82.6	71.6	37.7	26.7	1/4	PROVIDE SPACE WITHIN UNIT FOR FUTURE D/X COOLING COIL. INCLUDE ACCESS SECTION	HC-2-7	REFER TO SCHEDULE OF DUCT MOUNTED HOT WATER COILS	6	16x20	MERV-13	45.2		208/3/60	158	110	74	6850	REFER TO 2 3 4 5 6 7 8

NOTES
1. AS MANUFACTURED BY "XETEX". "ANNEXAIR" IS AN APPROVED EQUAL.
2. WINTER L.A.T. IS BASED ON FROST CONTROL.
3. DESIGN AIR CONDITION: SUMMER O.A. (95°F/75°F) R.A. (75°F/63°F); WINTER O.A. (0°F/0°F).
4. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
5. PROVIDE ROOFTOP UNIT WITH ENAMELED FINISH (COLOR TO BE DETERMINED BY ARCHITECT), MOTORIZED CONTROL DAMPERS, DAMPER END SWITCHES, 100% ENTHALPY ECONOMIZER CONTROLS, FROST PROTECTION, ENERGY RECOVERY WHEEL, DIRTY FILTER CONTACTS, BLOWER SHEAVE AND BELT FOR SELECTED STATIC USE, DISCONNECT SWITCH, VFD'S FOR SUPPLY AND RETURN FANS, POWERED CONVENIENCE OUTLET, PHASE MONITOR, MERV 11 FILTERS, STAINLESS STEEL DRAIN PAN, HINGED ACCESS PANELS, SPACE FOR FUTURE D/X COIL AND PROVIDE ACCESS SECTION, BACNET COMPARABLE AUTOMATED CONTROLS. PROVIDE FIELD INSTALLED FULL ECONOMIZER/POWER EXHAUST.
6. INSTALL ON STEEL DUNNAGE PLATFORM.
7. INDICATED EQUIPMENT DESIGNATIONS ARE FOR USE IN CONSTRUCTION ONLY. CONTRACTOR SHALL COORDINATE WITH OWNER ON DESIRED FINAL TAG IDENTIFICATION/NUMBERING/LETTERING. OWNER APPROVED DESIGNATIONS SHALL BE USED IN BMS PROGRAMMING AND ON PERMANENT EQUIPMENT IDENTIFICATION TAGS. AS-BUILT DRAWINGS SHALL BE UPDATED WITH FINAL IDENTIFICATION TAG DESIGNATIONS.
8. COORDINATE HVAC EQUIPMENT FAN SHUT DOWN BY FIRE ALARM PANEL WITH ELECTRICAL CONTRACTOR.

SCHEDULE OF PACKAGED DEDICATED OUTDOOR AIR VENTILATION UNITS (HEAT PUMPS WITH ENERGY RECOVERY)

MARK	SERVICE	LOCATION	MODEL No. (1)	AIRFLOW CONDITIONS					SUPPLY FAN			EXHAUST FAN			HEAT EXCHANGER WHEEL				HEATING COIL DATA		DX COOLING COIL DATA					ELECTRICAL DATA			DIMENSIONS			WEIGHT LBS	EER	REMARKS
				O.A. CFM	E.A. CFM	R.A. CFM	S.A.ESP IN. WC	R.A.ESP. IN. WC	TYPE	CFM	HP	TYPE	CFM	HP	SUMMER L.A.T. DB °F	SUMMER L.A.T. WB °F	WINTER L.A.T. DB °F	WINTER L.A.T. WB °F	MARK		MARK		E.A.T. °F DB °F	E.A.T. °F WB °F	L.A.T. °F DB °F	L.A.T. °F WB °F	SENSIBLE MBH	TOTAL MBH	VOLTAGE	MCA	MOCP	L	W	H			
DOAS-1	CLASSROOMS UPPER & LOWER LEVELS	ROOF	AHR-1200-RT-DX	2850	2850	2850	1.5	1.25	CENT.	2850	5	CENT.	2850	3	82.6	68.0	44.6	40.3	HC-2-1	REFER TO SCHEDULE OF DUCT MOUNTED HOT WATER COILS		REFER TO SCHEDULE OF DUCT MOUNTED D/X COILS	80.6	66.6	57.5	56.5	86.6	122.8	208/3/60	57.7	70	195	65	71	4006	12.1	REFER TO 2 3 4 5 6 7 8
DOAS-2	CLASSROOMS UPPER & LOWER LEVELS	ROOF	AHR-1200-RT-DX	3080	3080	3080	1.5	1.25	CENT.	3080	5	CENT.	3080	3	82.6	68.0	44.6	40.3	HC-2-2	REFER TO SCHEDULE OF DUCT MOUNTED HOT WATER COILS			80.6	66.6	57.5	56.5	96.3	142.3	208/3/60	69.6	80	195	65	71	4103	12.1	REFER TO 2 3 4 5 6 7 8
DOAS-3	CLASSROOMS UPPER & LOWER LEVELS	ROOF	AHR-1200-RT-DX	3500	3500	3500	1.5	1.25	CENT.	3500	5	CENT.	3500	3	82.6	68.0	44.6	40.3	HC-2-3	REFER TO SCHEDULE OF DUCT MOUNTED HOT WATER COILS			80.6	66.6	57.5	56.5	118.4	179.3	208/3/60	81.7	100	195	65	71	4191	12.1	REFER TO 2 3 4 5 6 7 8
DOAS-4	CLASSROOMS UPPER & LOWER LEVELS	ROOF	AHR-1200-RT-DX	3500	3500	3500	1.5	1.25	CENT.	3500	5	CENT.	3500	3	82.6	68.0	44.6	40.3	HC-2-4	REFER TO SCHEDULE OF DUCT MOUNTED HOT WATER COILS			80.6	66.6	57.5	56.5	118.4	179.3	208/3/60	81.7	100	195	65	71	4191	12.1	REFER TO 2 3 4 5 6 7 8
DOAS-5	CLASSROOMS UPPER LEVEL	ROOF	AHR-1200-RT-DX	1500	1500	1500	1.5	1.25	CENT.	1500	3	CENT.	1500	1.5	82.6	68.0	44.6	40.3	HC-2-5	REFER TO SCHEDULE OF DUCT MOUNTED HOT WATER COILS			80.6	66.6	57.5	56.5	42	61.8	208/3/60	32.3	45	168	64	67	2698	11.6	REFER TO 2 3 4 5 6 7 8

NOTES
1. AS MANUFACTURED BY "XETEX". "CAPTIVEAIR" IS AN APPROVED EQUAL.
2. FROST CONTROL BY V.F.D.
3. DESIGN AIR CONDITION: SUMMER O.A. (95°F/75°F) R.A. (75°F/63°F); WINTER O.A. (10°F/8°F) R.A. (70°F/53°F).
4. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE MANUFACTURER'S SUPERVISION FOR FIELD INSTALLATION AND START-UP.
5. PROVIDE PACKAGED OUTDOOR DOAS UNIT WITH STAGED DIRECT EXPANSION HEATING AND COOLING, MOTORIZED CONTROL DAMPERS, DAMPER END SWITCHES, 100% ENTHALPY ECONOMIZER CONTROLS, FROST PROTECTION, ENERGY RECOVERY WHEEL, DIRTY FILTER CONTACTS, BLOWER SHEAVE AND BELT FOR SELECTED STATIC USE, DISCONNECT SWITCH, INTEGRAL VFD'S WITH PREMIUM EFFICIENCY MOTORS, PHASE MONITOR, 4" THICK MERV 13 PLEATED FILTERS (AS NOTED), DIRECT EXPANSION COIL FOR HEAT PUMP DUTY, HOT GAS REHEAT, SUPPLEMENTAL ELECTRIC HEATING COIL, STAINLESS STEEL DRAIN PAN, HINGED ACCESS PANELS, BACNET COMPATIBLE AUTOMATED CONTROLS (AS NOTED). PROVIDE FULL ECONOMIZER, DUAL ENTHALPY HUMIDITY SENSORS, RECIRCULATION DAMPER, SINGLE POINT ELECTRICAL CONNECTION.
6. REFRIGERANT R-410A.
7. INDICATED EQUIPMENT DESIGNATIONS ARE FOR USE IN CONSTRUCTION ONLY. CONTRACTOR SHALL COORDINATE WITH OWNER ON DESIRED FINAL TAG IDENTIFICATION/NUMBERING/LETTERING. OWNER APPROVED DESIGNATIONS SHALL BE USED IN BMS PROGRAMMING AND ON PERMANENT EQUIPMENT IDENTIFICATION TAGS. AS-BUILT DRAWINGS SHALL BE UPDATED WITH FINAL IDENTIFICATION TAG DESIGNATIONS.
8. COORDINATE HVAC EQUIPMENT FAN SHUT DOWN BY FIRE ALARM PANEL WITH ELECTRICAL CONTRACTOR.

SCHEDULE OF INDOOR DUCTLESS AIR HANDLING UNITS

MARK	SERVICE	MODEL No. (1)	MOUNTING LOCATION	CAPACITY COOLING (MBH)	CAPACITY HEATING (MBH)	PHYSICAL DATA CFM	UNIT WEIGHT (POUNDS)	L	W	H	ELECTRICAL DATA SERVICE	MCA	REMARKS
FC-A	DATA	40QAC024-3	CEILING	24.0	24.0	550	44	24	24	10	208/1/60	1	REFER TO 2 3 4 5 6 7
FC-B	NURSE 135	40QAC012-3	CEILING	12.0	12.0	550	44	24	24	10	208/1/60	1	REFER TO 2 3 4 5 6 7

NOTES
1. AS MANUFACTURED BY "CARRIER".
2. CAPACITIES BASED ON 40°F SST, 95°F AMBIENT.
3. PROVIDE MINI SPLIT INLINE CONDENSATE PUMP.
4. REFRIGERANT R410 A.
5. INSTALL ACCORDING TO MANUFACTURER'S INSTRUCTIONS.
6. UNIT SHALL BE CONTROLLED VIA MFGR. NETWORK CONTROLLER.
7. INDOOR UNIT POWERED FROM OUTDOOR UNIT.

SCHEDULE OF OUTDOOR HEAT PUMP UNITS

MARK	SERVICE	MODEL No. (1)	CAPACITY COOLING (MBH)	CAPACITY HEATING (MBH)	PHYSICAL DATA UNIT WEIGHT (POUNDS)	L	W	H	ELECTRICAL SUPPLY SERVICE	MCA	EER	REMARKS
CU-1	METER ROOM	INFINITY SERIES 25VNA824003	24.0	24.0	150	24"	24"	32"	208/1/60	13.5	11.3	REFER TO 2 3 4 5 6 7 9
CU-2	NURSE 135	INFINITY SERIES 25VNA412003	12	12.0	150	12"	24"	32	208/1/60	10.2	11.3	REFER TO 2 3 5 8 9 10

NOTES
1. AS MANUFACTURED BY "CARRIER".
2. REFRIGERANT R-410A.
3. INSTALL ACCORDING TO MANUFACTURER'S INSTRUCTIONS.
4. SECURE UNIT TO ROOF MOUNTED 3" THICK PRECAST CONCRETE EQUIPMENT CONDENSING UNIT PADS.
5. DC INVERTER COMPRESSOR SPEED CONTROL BASED ON SYSTEM LOAD.
6. UNIT SHALL BE CONTROLLED VIA MANUFACTURER'S DDC NETWORK CONTROLLER TO INDOOR HARDWIRED CONTROLLER.
7. PROVIDE UNIT WITH SNOW/WIND GUARD AT FAN INTAKE. DISCONNECT SWITCH, ROOF CURB EQUIPMENT SUPPORTS, VIBRATION ISOLATION PADS AND LOW AMBIENT CONTROLS. EXTEND CONTROL WIRING FROM OUTDOOR UNIT TO INDOOR UNIT.
8. LOW SOUND CONDENSER.
9. PROVIDE UNIT WITH DISCONNECT SWITCH. SECURE TO CONCRETE PAD AT GRADE.
10. PROVIDE UNIT WITH SNOW/WIND GUARD AT FAN INTAKE, VIBRATION ISOLATION PADS AND LOW AMBIENT CONTROLS.

SCHEDULE OF MAKE-UP AIR UNITS

MARK	SERVICE	LOCATION	MODEL No. (1)	OAI CFM	MIN. OAI CFM	FILTERS (QTY.) & SIZE	SUPPLY FAN DATA CFM	TOT. S.P. IN H_2O	FAN RPM	MOTOR HP	ELECTRIC SERVICE	HEATING EAT °F	HEATING CAPACITY MBH	EWT °F	LWT °F	GPM	REMARKS
MA-1	KITCHEN	STORAGE ROOM	39L SIZE 10	5200	5200	(4) 16X25X2	5200	1.0	1117	5.0	208/3/60	5.0	437	180	160	44.0	REFER TO 2 3 4 5 6 7

NOTES
1. AS MANUFACTURED BY "CARRIER".
2. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
3. REFER TO SPECIFICATIONS FOR CONTROL SEQUENCE.
4. PROVIDE REMOTE INDOOR CONTROL/MONITORING PANEL.
5. PROVIDE FACTORY INSTALLED POWERED CONVENIENCE OUTLET, MOTORIZED DAMPERS, VFD, DIRTY FILTER STATUS, MERV 13 FILTERS, SINGLE POINT POWER CONNECTION, END SUPPLY AND OUTDOOR AIR CONNECTIONS, COIL FACE & BYPASS DAMPERS. PROVIDE AND INSTALL ADDITIONAL BELTS AND PULLEYS TO MEET DESIGN CFM. DIMENSIONS 58"Lx 60Wx 40"H; WEIGHT 700 LBS. FAN OPERATION SHALL BE INTERLOCKED WITH EXISTING EXHAUST FAN.
6. PROVIDE ONE WALL MOUNTED EMERGENCY ON/OFF SWITCH TO DEACTIVATE EXHAUST FAN AND MAKE-UP AIR UNIT SUPPLY FAN. LABEL FAN SWITCH AS FOLLOWS: "EMERGENCY EXHAUST FAN/MAKE-UP AIR UNIT SHUT DOWN".
7. COORDINATE HVAC EQUIPMENT FAN SHUT DOWN BY FIRE ALARM PANEL WITH ELECTRICAL CONTRACTOR.

SCHEDULE OF EXPANSION TANKS

MARK	SERVICE	LOCATION	MODEL N2	TANK VOLUME GALS.	ACCEPTANCE VOLUME GALS.	REMARKS
ET-1	HEATING SYSTEM	BOILER ROOM	800-L-150	211	211	REFER TO 1 2 3
ET-2	HEATING SYSTEM	BOILER ROOM	800-L-150	211	211	REFER TO 1 2 3

NOTES
1. AS MANUFACTURED BY "BELL & GOSSETT".
2. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
3. ASME RATED, VERTICAL FLOOR MOUNTING.

SCHEDULE OF INDOOR ENERGY RECOVERY UNITS

MARK	SERVICE	LOCATION	MODEL No. (1)	AIRFLOW CONDITIONS					SUPPLY FAN			EXHAUST FAN			HEAT EXCHANGER WHEEL				HEATING COIL DATA		DX CLG COIL DATA		FILTERS	ELECTRICAL DATA			DIMENSIONS			WEIGHT LBS	REMARKS
				O.A. CFM	E.A. CFM	R.A. CFM	S.A.ESP IN. WC	R.A.ESP. IN. WC	TYPE	CFM	HP	TYPE	CFM	HP	SUMMER L.A.T. DB °F	SUMMER L.A.T. WB °F	WINTER L.A.T. DB °F	WINTER L.A.T. WB °F	MARK		MARK		INTAKE RETURN	VOLTAGE	MCA	MOCP	L	W	H		
ERU-6	CAFETERIA	CRAWL SPACE	U-ERV 2400	2000	2000	2000	1.0	1.0	CENTR.	2000	–	CENTR.	2000	–	80	67.1	51.7	41.6	HC-1-1	REFER TO SCHEDULE OF DUCT MOUNTED HOT WATER COILS	DXC-1-1	REFER TO SCHEDULE OF DUCT MOUNTED D/X COILS	MERV 13	208/3/60	20.2	25	56	34	48	450	REFER TO 2 3 4 5 6

NOTES
1. AS MANUFACTURED BY "ENERGY WALL" (KLIMA NEW YORK, LLC 212 678-5100)
2. WINTER L.A.T. IS BASED ON FROST CONTROL BY VFD.
3. DESIGN AIR CONDITION: SUMMER O.A. (95°F/75°F) R.A. (75°F/63°F); WINTER O.A. (0°F/0°F) R.A. (70°F/53°F).
4. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
5. PROVIDE FACTORY MOUNTED INTEGRAL VFD FOR SUPPLY AND RETURN FANS WITH PREMIUM EFFICIENCY MOTORS. PROVIDE VFD FROST CONTROL FOR ENERGY RECOVERY CORE. PROVIDE DX COOLING COIL. PROVIDE PRE-FILTER/FINAL FILTERS COMBINATION FOR OUTSIDE AIR INTAKES AND PRE-FILTER FOR RETURN AIR PRIOR TO HEAT EXCHANGER. PROVIDE TWO SETS OF FILTERS (ONE SET IS FOR WHEN UNIT IS OPERATING DURING TESTING AND BALANCING AND ONE SET IS FOR FILTER REPLACEMENT AT PROJECT COMPLETION).
6. INDICATED EQUIPMENT DESIGNATIONS ARE FOR USE IN CONSTRUCTION ONLY. CONTRACTOR SHALL COORDINATE WITH OWNER ON DESIRED FINAL TAG IDENTIFICATION/NUMBERING/LETTERING. OWNER APPROVED DESIGNATIONS SHALL BE USED IN BMS PROGRAMMING AND ON PERMANENT EQUIPMENT IDENTIFICATION TAGS. AS-BUILT DRAWINGS SHALL BE UPDATED WITH FINAL IDENTIFICATION TAG DESIGNATIONS.

BEFORE FABRICATION THIS CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AND CONDITIONS ON JOB AND COORDINATE HIS WORK WITH THE WORK OF ALL OTHER CONTRACTORS

KEY PLAN
SCALE N.T.S.

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S.E.D. CONTROL NUMBER:
66-23-00-01-0-032-010

BID SCHEDULE #

PROJECT TITLE
YONKERS SCHOOL DISTRICT
PHASE I OF 3 FOR WINDOWS, MASONRY, INTERIOR DOOR REPLACEMENTS & SITE WORK AT SCHOOL P.S. 32
1 MONTCLAIR PLACE, YONKERS, NY 10710

DRAWING TITLE
SCHEDULES

DATE	ISSUED TO
12-22-2023	BID
11-06-2020	100% C.D. SUBMISSION
06-01-2020	100% D.D. SUBMISSION
05-01-2020	50% D.D. SUBMISSION

SHEET SIZE 30"x42" | DRAWING NO. H301
SCALE AS NOTED | FILE NO. 19360.00
DRAWN BY BGA

PLOT DATE: December 20, 2023 - 5:20pm

FILE: C:\Users\RHaigh\AppData\Local\Temp\AcPublish_6088\194800H301.dwg

SCHEDULE OF ROOFTOP ENERGY RECOVERY UNITS

MARK	SERVICE	LOCATION	OUTSIDE AIR CFM MIN/MAX	MODEL No. (1)	SUPPLY FAN DATA: CFM	EXT. S.P. IN WG.	TYPE	MOTOR HP	RETURN–EXHAUST FAN: CFM	EXT. S.P. IN WG.	TYPE	MOTOR HP	HEAT TRANSFER: SUMMER LAT DB °F	SUMMER LAT WB °F	WINTER LAT DB °F	WINTER LAT WB °F	COOLING COIL DATA (5)	HEATING COIL DATA (2)(3): MARK	HEATING COIL DATA (2)(3)	PRE & AFTER-FILTER DATA: NO.	SIZE	TYPE	ELECTRICAL DATA: MCA	MOCP	ELECTRIC SERVICE	ERU DIMENSION & WTS.: L	W	H	WTS–#	REMARKS
ERU 1	UPPER LEVEL GENERAL OFFICES	ROOF	150	U-ERV-600	150	0.75	CENTRIFUGAL	0.75	150	0.75	CENTRIFUGAL	0.75	82.6	71.6	37.7	26.7	–	–	–	2	16x20	MERV 13	10.6	15	208/1/60	54"	32"	20"	400	REFER TO 4 5 6 7
ERU 2	UPPER LEVEL NURSE	ROOF	100	U-ERV-600	100	0.75		0.75	100	0.75		0.75					–	–	–				10.6	15					400	REFER TO 4 5 6 7
ERU 3	UPPER LEVEL TOILETS	ROOF	200	U-ERV-600	200	0.75		0.75	200	0.75		0.75					–	HC 2–8	REFER TO SCHEDULE OF DUCT MOUNTED HOT WATER COILS				10.6	15					400	REFER TO 4 5 6 7
ERU 4	LOWER LEVEL TEACHER'S LOUNGE & ASSIST. PRCPL.	ROOF	230	U-ERV-600	230	1.0		0.75	230	1.0		0.75					–	–	–				10.6	15					400	REFER TO 4 5 6 7

NOTES
1. AS MANUFACTURED BY "ENERGY WALL". (KLIMA NEW YORK, LLC, 212 678–5100)
2. WINTER L.A.T. IS BASED ON FROST CONTROL.
3. DESIGN AIR CONDITION: SUMMER O.A. (95°F/75°F) R.A. (75°F/63°F); WINTER O.A. (0°F/0°F).
4. INSTALL PER THE MANUFACTURER'S RECOMMENDATIONS.
5. PROVIDE FACTORY MOUNTED INTEGRAL VFD FOR SUPPLY AND RETURN FANS WITH EC PREMIUM EFFICIENCY MOTORS. PROVIDE FROST CONTROL FOR ENERGY RECOVERY EXCHANGER. PROVIDE PRE–FILTER/FINAL FILTERS COMBINATION FOR OUTSIDE AIR INTAKES AND PRE–FILTER FOR RETURN AIR PRIOR TO HEAT EXCHANGER. PROVIDE FILTER REPLACEMENT AT PROJECT COMPLETION.
6. INDICATED EQUIPMENT DESIGNATIONS ARE FOR USE IN CONSTRUCTION ONLY. CONTRACTOR SHALL COORDINATE WITH OWNER ON DESIRED FINAL TAG IDENTIFICATION/NUMBERING/LETTERING. OWNER APPROVED DESIGNATIONS SHALL BE USED IN BMS PROGRAMMING AND ON PERMANENT EQUIPMENT IDENTIFICATION TAGS. AS–BUILT DRAWINGS SHALL BE UPDATED WITH FINAL IDENTIFICATION TAG DESIGNATIONS.
7. COORDINATE HVAC EQUIPMENT FAN SHUT DOWN BY FIRE ALARM PANEL WITH ELECTRICAL CONTRACTOR.

SCHEDULE OF DUCT MOUNTED HW HEATING COILS

MARK	SYSTEM	SERVICE	HTG. CAPACITY BTU/HR	E.A.T. (°F)	L.A.T. (°F)	E.W.T. (°F)	L.W.T. (°F)	GPM	CFM	COIL FACE AREA SQ.FT.	COIL FACE VELOC.FPM	ROWS	REMARKS: REFER TO
HC 1	ERU 1	CAFETERIA 18	152,000	20	90	180	160	15	2000	4	500	2	1 2 3 4 5 6 7 8
HC 2-1	ERU 2	CLASSROOMS	200,000	20	90			20	2800	6			
HC 2-2	ERU 2	CLASSROOMS	250,000	20	90			25	3000	6			
HC 2-3	ERU 2	CLASSROOMS	270,000	20	90			27	3500	7			
HC 3-1	ERU 3	CLASSROOMS	270,000	20	90			27	3500	7			
HC 3-2	ERU 3	CLASSROOMS	107,000	20	90			11	1500	3			
HC 2-4	ERU 1	LIBRARY 109	78,900	20	90			7.9	2400	5			
HC 2-5	ERU 2	GYMNASIUM	484,000	20	90			49	10,000	20			
HC 3-3	ERU 3	TOILET ROOMS	15,200	20	90			2.0	200	1			

NOTES
1. SEE SPEC. FOR CONSTRUCTION.
2. AIR PRESSURE DROP ACROSS COIL SHALL NOT EXCEED 0.30" S.P.
3. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
4. COIL SHALL BE MINIMUM 2 ROWS WITH MINIMUM OF 8 FINS PER INCH.
5. 5/8" TUBE AND ALUMINUM FINS.
6. GALVANIZED PITCHED CASING.
7. AS MANUFACTURED BY "NATIONWIDE COILS".
8. THE WATER COILS ARE SIZED TO HANDLE OUTDOOR AIR QUANTITIES AT 100 PERCENT (WITH ENERGY RECOVERY WHEEL IN OPERATION) OF OCCUPANCY WITHOUT HAVING TO RESORT TO CLOSING OUTDOOR AIR INTAKE DAMPERS ON A "DESIGN HEATING DAY" TO PREVENT FREEZE–UP.

SCHEDULE OF REGISTERS AND DIFFUSERS

MARK	TYPE	SERVICE	MODEL No. (1)	DIRECTION DISCHARGE	DAMPER TYPE	FINISH	TYPE	REMARKS
A	CEILING DIFFUSER	SUPPLY	SCD	4–WAY	OPPOSED BLADE	PER ARCH.	LAY IN	REFER TO 2 3 6
B	CEILING REGISTER	RETURN	635	–			LAY IN	REFER TO 2 3 7
C	CEILING REGISTER	EXHAUST	735FF	–			LAY IN	REFER TO 2 3 7
D	CEILING DIFFUSER	SUPPLY	SCD	4–WAY ADJUSTABLE H/V			LAY IN	REFER TO 2 3 6
E	DUCT REGISTER	RETURN	635	–			SURFACE	REFER TO 2 3 7
F	CEILING DIFFUSER	SUPPLY	SCD	4–WAY			SURFACE	REFER TO 2 3 6
G	CEILING REGISTER	EXHAUST	620	–			SURFACE	REFER TO 2 3 7
H	CEILING DIFFUSER	SUPPLY	635	360 DEGREE	BUTTERFLY		FREE HANG	REFER TO 2 3 6
I	WALL REGISTER	RETURN	SCD	–	OPPOSED BLADE		SURFACE	REFER TO 2 3 4 7
J	CEILING REGISTER	RETURN	95FH	–			SURFACE	REFER TO 2 3 7
K	CEILING DIFFUSER	SUPPLY	SCD	3–WAY			LAY IN	REFER TO 2 3 6
L	DUCT REGISTER	SUPPLY	635	DOUBLE DEFLECTION			SURFACE	REFER TO 2 3 4 6
M	CEILING LINEAR	SUPPLY SLOT DIFFUSER	SDS 75	2–WAY	BUTTERFLY		SURFACE	REFER TO 2 3 5 6
X	EXISTING DIFFUSER, REGISTER, GRILLE							

NOTES
1. AS MANUFACTURED BY "PRICE".
2. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
3. PROVIDE MOUNTING FRAME COMPATIBLE W/ MOUNTING SURFACE. COORDINATE ALL BORDER TYPES, COLORS, FINISHES AND DIMENSIONS WITH ARCHITECT.
4. HEAVY DUTY TYPE.
5. TWO–SLOT TYPE WITH PLENUM, 30 CFM/FT.

(6) SUPPLY NECK SIZE PER CFM RANGE (NOT TO EXCEED 500 fpm)

50 TO 99	100 TO 299	300 TO 499	500 TO 799	800 TO 1199	1200 TO 1499	1500 TO 1999
6x6	9x9	12x12	15x15	18x18	21X21	24X24

(7) RETURN NECK SIZE PER CFM RANGE (NOT TO EXCEED 675 fpm)

50 TO 149	150 TO 249	250 TO 399	400 TO 599	600 TO 799	800 TO 1099	1100 TO 1199	1200 TO 2399
6x6	8X8	10X10	12X12	14X14	16X16	18X18	24X24

SCHEDULE OF EXHAUST FANS

MARK	SERVICE	LOCATION	MODEL # (1)	CFM	EXT. S.P. IN H_2O	RPM	HP (WATTS)	ELECTRIC V/PH/HZ	SIZE (IN)	WEIGHT (LBS.)	REMARKS
EF 1	UPPER LEVEL TOILET ROOMS	ROOF	G–098–VG	500	0.625	1550	1/4	120/1/60	17x17x12	40	REFER TO 2 3
EF 2	UPPER/LOWER TOILET ROOMS	ROOF	G–098–VG	400	0.25	1300	1/6	120/1/60	17x17x12	40	REFER TO 2 3
EF 3	KITCHEN 18.1	ROOF	CUBE–200HP	5200	2.00	1025	2.0	208/3/60	58"ø	440	REFER TO 2 4 5

NOTES
1. AS MANUFACTURED BY "GREENHECK".
2. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
3. PROVIDE ROOF CURB, FACTORY MOUNTED NEMA 3R DISCONNECT, INTERNALLY MOUNTED VARIABLE SPEED CONTROLLER AND MOTORIZED DAMPER.
4. PROVIDE ROOF CURB WITH VENTED EXTENSION, HINGED BASE KIT, AUTOMATIC BELT TENSIONER, WEATHER PROOF FACTORY MOUNTED DISCONNECT SWITCH, UL 762 LISTING, GREASE TROUGH. INDOOR VFD AND AUTOMATED CONTROLS. FAN OPERATION MUST BE INTERLOCKED WITH MAKE–UP AIR UNIT CONTROLS.
4. PROVIDE ONE WALL MOUNTED EMERGENCY ON/OFF SWITCH TO DEACTIVATE EXHAUST FAN AND MAKE–UP AIR UNIT SUPPLY FAN. LABEL FAN SWITCH AS FOLLOWS: "EMERGENCY EXHAUST FAN/MAKE–UP AIR UNIT SHUT DOWN".
5. PROVIDE ROOF CURB, HINGED BASE KIT, WEATHER PROOF FACTORY MOUNTED DISCONNECT SWITCH, VFD SPEED CONTROL (WITHIN WEATHERPROOF ENCLOSURE). FAN OPERATION MUST BE INTERLOCKED WITH MAKE–UP OUTDOOR AIR UNIT.

SCHEDULE OF DUCT MOUNTED SOUND ATTENUATORS

MARK	SERVICE	AIR FLOW DIRECTION	CONFIG. TYPE	CFM	LENGTH	HEIGHT	WIDTH	PRESSURE DROP IN. S.P.	REMARKS
SA 3	LIBRARY	SUPPLY AIR	STRAIGHT	2400	48"	14"	26"	.20	REFER TO 1 2 3 4
SA 4	LIBRARY	RETURN AIR	STRAIGHT	2400	48"	14"	26"	.20	REFER TO 1 2 3 4

NOTES
1. AS MANUFACTURED BY "IAC".
2. SEE SPECIFICATION FOR CONSTRUCTION.
3. AIR PRESSURE DROP THROUGH ATTENUATOR SHALL NOT EXCEED 0.20" S.P.
4. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.

SCHEDULE OF VRF DUCTLESS HEAT RECOVERY MULTI–SPLIT SYSTEMS

INDOOR AIR HANDLER INFORMATION

MARK	LOCATION	SERVICE	MODEL No. (7)	SUPPLY FAN DATA: HIGH CFM	MOTOR (AMPS)	ELECTRIC SERVICE	COOLING COIL DATA (2): TOTAL CAP. BTU/HR	SENSIBLE CAP. BTU/HR	ENT. AIR TEMP. DB°/WB	HEATING: TOTAL CAP. BTU/HR	ENT. AIR TEMP.
EC 02–1	CEILING	CLASSROOM 117	ARNU363TMA4	918	1.3	208/1/60	36,200	26,800	80 / 67	40,600	70
EC 02–2		CLASSROOM 118	ARNU363TMA4	918	1.3	208/1/60	36,200	26,800	80 / 67	40,600	70
EC 02–3		CLASSROOM 115	ARNU363TMA4	918	1.3	208/1/60	36,200	26,800	80 / 67	40,600	70
EC 01–1		CLASSROOM 10	ARNU363TMA4	918	1.3	208/1/60	36,200	26,800	80 / 67	40,600	70
EC 01–2		CLASSROOM 9	ARNU363TMA4	918	1.3	208/1/60	36,200	26,800	80 / 67	40,600	70
EC 01–3		SMALL CLASSROOM 11	ARNU183TNA4	565	1.3	208/1/60	19,100	14,200	80 / 67	21,500	70
EC 02–4		CLASSROOM 115	ARNU363TMA4	918	1.3	208/1/60	36,200	26,800	80 / 67	40,600	70
EC 02–5		CLASSROOM 113	ARNU363TMA4	918	1.3	208/1/60	36,200	26,800	80 / 67	40,600	70
EC 02–6		CLASSROOM 114	ARNU363TMA4	918	1.3	208/1/60	36,200	26,800	80 / 67	40,600	70
EC 02–7		CORRIDOR 205	ARNU243L264	710	1.3	208/1/60	24,000	17,800	80 / 67	27,300	70
EC 01–4		CLASSROOM 12	ARNU363TMA4	918	1.3	208/1/60	36,200	26,800	80 / 67	40,600	70
EC 01–5		CLASSROOM 8	ARNU363TMA4	918	1.3	208/1/60	36,200	26,800	80 / 67	40,600	70
EC 01–6		CLASSROOM 7	ARNU363TMA4	918	1.3	208/1/60	36,200	26,800	80 / 67	40,600	70
EC 01–7		CORRIDOR 106/106.7 /106.6	ARNU243TNA4	710	1.3	208/1/60	24,000	17,800	80 / 67	27,300	70
EC 02–8		CLASSROOM 112	ARNU363TMA4	918	1.3	208/1/60	36,200	26,800	80 / 67	40,600	70
EC 02–9		CLASSROOM 111	ARNU363TMA4	918	1.3	208/1/60	36,200	26,800	80 / 67	40,600	70
EC 02–10		CLASSROOM 110	ARNU363TMA4	918	1.3	208/1/60	36,200	26,800	80 / 67	40,600	70
EC 02–11		CLASSROOM 108	ARNU363TMA4	918	1.3	208/1/60	36,200	26,800	80 / 67	40,600	70
EC 01–8		CLASSROOM 6	ARNU363TMA4	918	1.3	208/1/60	36,200	26,800	80 / 67	40,600	70
EC 01–9		CLASSROOM 5	ARNU363TMA4	918	1.3	208/1/60	36,200	26,800	80 / 67	40,600	70
EC 01–10		CLASSROOM 4	ARNU363TMA4	918	1.3	208/1/60	36,200	26,800	80 / 67	40,600	70
EC 02–12		CLASSROOM 106	ARNU363TMA4	918	1.3	208/1/60	36,200	26,800	80 / 67	40,600	70
EC 02–13		CLASSROOOM 104	ARNU363TMA4	918	1.3	208/1/60	36,200	26,800	80 / 67	40,600	70
EC 02–14		CLASSROOM 102	ARNU363TMA4	918	1.3	208/1/60	36,200	26,800	80 / 67	40,600	70
EC 02–15		CLASSROOM 107	ARNU363TMA4	918	1.3	208/1/60	36,200	26,800	80 / 67	40,600	70
EC 02–16		CORRIDOR 205.2	ARNU243TNA4	710	1.3	208/1/60	24,000	17,800	80 / 67	27,300	70
EC 01–11		CLASSROOM 3	ARNU363TMA4	918	1.3	208/1/60	36,200	26,800	80 / 67	40,600	70
EC 01–12		CLASSROOM 2	ARNU363TMA4	918	1.3	208/1/60	36,200	26,800	80 / 67	40,600	70
EC 01–13		CLASSROOM 1	ARNU363TMA4	918	1.3	208/1/60	36,200	26,800	80 / 67	40,600	70
EC 01–14		CORRIDOR 106.2	ARNU243TNA4	710	1.3	208/1/60	24,000	17,800	80 / 67	27,300	70
EC 01–15		CORRIDOR 106.3/106.5	ARNU243TNA4	710	1.3	208/1/60	24,000	17,800	80 / 67	27,300	70
EC 02–17		CONFERENCE 105	ARNU363TMA4	918	1.3	208/1/60	36,200	26,800	80 / 67	40,600	70
EC 02–18		KINDERGARTEN 103	ARNU363TMA4	918	1.3	208/1/60	36,200	26,800	80 / 67	40,600	70
EC 02–19		KINDERGARTEN 101	ARNU363TMA4	918	1.3	208/1/60	36,200	26,800	80 / 67	40,600	70
EC 02–20		CORRIDOR 205.3	ARNU243TNA4	710	1.3	208/1/60	24,000	17,800	80 / 67	27,300	70
EC 01–16		TEACHERS LOUNGE 13	ARNU123TRD4	307	0.2	208/1/60	12,300	9,100	80 / 67	13,600	70
EC 01–17		ASST. PRINCIPAL 14	ARNU093TRD4	283	0.2	208/1/60	9,600	7,100	80 / 67	10,900	70
EC 02–21		RECEPTION	ARNU093TRD4	283	0.2	208/1/60	9,600	7,100	80 / 67	10,900	70
EC 02–22		GENERAL OFFICE	ARNU123TRD4	307	0.2	208/1/60	12,300	9,100	80 / 67	13,600	70
EC 02–23		PRINCIPAL	ARNU093TRD4	283	0.2	208/1/60	9,600	7,100	80 / 67	10,900	70
EC 02–24		OFFICE	ARNU123TRD4	307	0.2	208/1/60	12,300	9,100	80 / 67	13,600	70
EC 01–18		CAFETERIA	ARNU243TNA4	710	1.3	208/1/60	24,000	17,800	80 / 67	27,300	70
EC 01–19		CAFETERIA	ARNU243TNA4	710	1.3	208/1/60	24,000	17,800	80 / 67	27,300	70
EC 01–20		CAFETERIA	ARNU243TNA4	710	1.3	208/1/60	24,000	17,800	80 / 67	27,300	70
EC 01–21		CAFETERIA	ARNU243TNA4	710	1.3	208/1/60	24,000	17,800	80 / 67	27,300	70
–	–	–	–	–	–	–	–	–	–	–	–

OUTDOOR CONDENSING UNIT INFORMATION

MARK	GENERAL INFO. MODEL No. (1)	CLG. CAP. BTU/HR	HTG. CAP. BTU/HR	ELECTRICAL INFORMATION: V/PH/HZ	MCA	MOP	EER	REMARKS
HP 1	MULTI V 5 ARUM241 BTE5	233,100	243,000	208/3/60	63.2	80	8.7	REFER TO 2 3 4 5 6 7 9
HP 2	MULTI V 5 ARUM312 BTE5	312,000	351,000	–	28.5+60.3	40+80	9.1	REFER TO 2 3 4 5 6 7 9
	(A) MASTER	216,000	243,000	208/3/60	60.3	80	–	
	(B) SLAVE	96,000	108,000	208/3/60	28.5	40	–	
HP 3	MULTI V 5 ARUM312 BTE5	312,000	351,000	–	28.5+60.3	40+80	9.1	REFER TO 2 3 4 5 6 7 9
	(A) MASTER	216,000	243,000	208/3/60	60.3	80	–	
	(B) SLAVE	96,000	108,000	208/3/60	28.5	40	–	
HP 4	MULTI V 5 ARUM360 BTE5	360,000	405,000	–	51.1+60.3	70+80	8.8	REFER TO 2 3 4 5 6 7 9
	(A) MASTER	216,000	243,000	208/3/60	60.3	80	–	
	(B) SLAVE	144,000	162,000	208/3/60	51.1	70	–	
HP 5	MULTI V 5 ARUM168 BTE5	168,000	189,000	208/3/60	53.6	70	9.2	REFER TO 2 3 4 5 6 7 9
HP 6	MULTI V S ARUB024 GSS4	24,000	27,000	208/1/60	19.6	30	14.8	REFER TO 2 3 4 5 6 7 9
HP 7	MULTI V S ARUB060 GSS4	60,000	64,000	208/1/60	25.4	40	10.0	REFER TO 2 3 4 5 6 7 9
HP 8	MULTI V 5 ARUM096 BTE5	96,000	108,000	208/3/60	28.5	40	10.4	REFER TO 2 3 4 5 6 7 9
HP 9	MULTI V S ARUN048 GSS4	48,000	54,000	208/1/60	30.0	50	13.2	REFER TO 2 3 6 9

NOTES
1. AS MANUFACTURED BY "LG". (KLIMA NEW YORK, LLC, 212 678–5100)
2. COOLING BASED ON A.R.I. CONDITIONS.
3. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
4. PROVIDE PROGRAMMABLE THERMOSTAT, LOW AMBIENT CONTROL, HARD START, CRANKCASE HEATER, DISCONNECT SWITCH.
5. PROVIDE CONDENSATE PUMP EQUAL TO "LITTLE GIANT" AT EACH INDOOR CASSETTE UNIT.
6. PROVIDE DC INVERTER COMPRESSOR SPEED CONTROL BASED ON SYSTEM LOAD. SYSTEM SHALL BE HEAT RECOVERY TYPE.
7. FURNISH RAILS FOR GC INSTALLATION.
8. PROVIDE ELECTRONIC EXPANSION VALVE KIT AND AHU/ERU COMMUNICATION CONTROL KIT (ONE FOR EACH DX COIL PROVIDED). PROVIDE NEMA WEATHERPROOF ENCLOSURES FOR EEV KITS INSTALLED OUTDOORS. ALL UNITS MUST HAVE BACNET COMMUNICATIONS TIED INTO BMS SYSTEM CONTROLS. COMMUNICATION CONTROL KIT REQUIRES 208/1/60 POWER REQUIREMENTS. PROVIDE "PRVC2" OUTDOOR UNIT MULTI APPLICATION I/O MODULE. ATC CONTRACTOR TO CONTROL CONDENSING UNIT WITH 0–10 VDC SIGNAL.
9. INDICATED EQUIPMENT DESIGNATIONS ARE FOR USE IN CONSTRUCTION ONLY. CONTRACTOR SHALL COORDINATE WITH OWNER ON DESIRED FINAL TAG IDENTIFICATION/NUMBERING/LETTERING. OWNER APPROVED DESIGNATIONS SHALL BE USED IN BMS PROGRAMMING AND ON PERMANENT EQUIPMENT IDENTIFICATION TAGS. AS–BUILT DRAWINGS SHALL BE UPDATED WITH FINAL IDENTIFICATION TAG DESIGNATIONS.

KEY PLAN (N) SCALE N.T.S.

BEFORE FABRICATION THIS CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AND CONDITIONS ON JOB AND COORDINATE HIS WORK WITH THE WORK OF ALL OTHER CONTRACTORS.

PLOT DATE: December 20, 2023 – 4:58pm

FILE: Y:\YONKERS PUBLIC SCHOOLS\YPS – School 32 – Renovations (1948.00)\Drawings\HVAC\1948001H302.dwg

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S.E.D. CONTROL NUMBER: 66-23-00-01-0-032-010

BID SCHEDULE #

CONSTRUCTION TITLE: YONKERS SCHOOL DISTRICT PHASE 1 OF 3 FOR WINDOWS, MASONRY, INTERIOR WORK, ROOF REPLACEMENTS & SITE WORK AT SCHOOL P.S. 32 1 MONTCLAIR PLACE, YONKERS, N.Y. 10710

DRAWING TITLE: SCHEDULES

DATE	ISSUED TO
12-22-2023	BID
11-06-2020	100% C.D. SUBMISSION
06-01-2020	100% D.D. SUBMISSION
05-01-2020	50% D.D. SUBMISSION

SHEET SIZE 30"x42" | DRAWING NO. H302
SCALE AS NOTED
DRAWN BY BGA | FILE NO. 19360.00

UPPER LEVEL - SCHEDULE OF MINIMUM VENTILATION ROOM FLOW RATES

		A	B	C	D	E	F	G	H	I	
ROOM NAME/NUMBER	OCCUPANCY CATEGORY	ROOM AREA (SQ.FT.)	PEOPLE DENSITY (#P/1000 SQ.FT.) / # OF FIXTURES	PEOPLE OUTDOOR AIR FLOW RATE (CFM/PERSON)	AREA OUTDOOR AIR FLOW RATE IN BREATHING ZONE (CFM/SQ.FT.)	EXHAUST AIR FLOW RATE (CFM/SQ.FT.)	NUMBER OF PEOPLE (A×B)+1000=#P	OUTDOOR AIR FLOW RATE WITHOUT ZONE EFFECTIVENESS FACTOR (F×C)+(A×D)=CFM	ZONE AIR DISTRIBUTION EFFECTIVENESS FACTOR	MINIMUM ROOM VENTILATION AIR FLOW RATE G+H=CFM	MINIMUM EXHAUST AIR FLOW RATE A×E=CFM
Kindergarten/101	CLASSROOM (AGES 5-8)	1371	25	10	0.12	0	35	515	0.8	643	0
Kindergarten/103	CLASSROOM (AGES 5-8)	1370	25	10	0.12	0	35	514	0.8	643	0
Classroom/102	CLASSROOM (AGES 9+)	855	35	10	0.12	0	30	403	0.8	503	0
Classroom/104	CLASSROOM (AGES 9+)	853	35	10	0.12	0	30	402	0.8	503	0
Classroom/106	CLASSROOM (AGES 9+)	853	35	10	0.12	0	30	402	0.8	503	0
Classroom/108	CLASSROOM (AGES 9+)	853	35	10	0.12	0	30	402	0.8	503	0
Classroom/110	CLASSROOM (AGES 9+)	853	35	10	0.12	0	30	402	0.8	503	0
Classroom/112	CLASSROOM (AGES 9+)	853	35	10	0.12	0	30	402	0.8	503	0
Classroom/114	CLASSROOM (AGES 9+)	853	35	10	0.12	0	30	402	0.8	503	0
Classroom/116	CLASSROOM (AGES 9+)	857	35	10	0.12	0	30	403	0.8	504	0
Classroom/118	CLASSROOM (AGES 9+)	850	35	10	0.12	0	30	402	0.8	503	0
Classroom/117	CLASSROOM (AGES 9+)	859	35	10	0.12	0	31	413	0.8	516	0
Classroom/115	CLASSROOM (AGES 9+)	863	35	10	0.12	0	31	414	0.8	517	0
Classroom/113	CLASSROOM (AGES 9+)	858	35	10	0.12	0	31	413	0.8	516	0
Girl's Toilet/123	TOILETS - PUBLIC	143	4 FIXTURES	-	-	50 CFM/ FIXTURE	-	-	-	-	200
Boy's Toilet/124	TOILETS - PUBLIC	139	4 FIXTURES	-	-	50 CFM/ FIXTURE	-	-	-	-	200
Vest. No.1/ 214	MAIN ENTRY LOBBIES	20	10	5	0.06	0	1	6	0.8	8	0
Janitor Closet/213	JANITOR CLOSETS, TRASH ROOMS, RECYCLING	58	0	0	0	1	0	0	0.8	0	58
Vest. No.2/ 212	MAIN ENTRY LOBBIES	20	10	5	0.06	0	1	6	0.8	8	0
Vest. No.4/ V4	MAIN ENTRY LOBBIES	60	10	5	0.06	0	1	9	0.8	11	0
Classroom/111	CLASSROOM (AGES 9+)	862	35	10	0.12	0	31	413	0.8	517	0
Girl's Toilet/125	TOILETS - PUBLIC	166	5 FIXTURES	-	-	50 CFM/ FIXTURE	-	-	-	-	250
Boy's Toilet/126	TOILETS - PUBLIC	166	5 FIXTURES	-	-	50 CFM/ FIXTURE	-	-	-	-	250
Library/109	MEDIA CENTER	1228	25	10	0.12	0	31	457	0.8	572	0
Supplies	OCCUPIABLE STORAGE ROOMS FOR DRY MATERIALS	52	2	5	0.06	0	1	8	0.8	10	0
Reception	RECEPTION AREAS	190	30	5	0.06	0	6	41	0.8	52	0
General Office	OFFICE SPACE	360	5	5	0.06	0	2	32	0.8	40	0
Supply	OCCUPIABLE STORAGE ROOMS FOR DRY MATERIALS	38	2	5	0.06	0	1	7	0.8	9	0
Closet	OCCUPIABLE STORAGE ROOMS FOR DRY MATERIALS	9	2	5	0.06	0	1	6	0.8	7	0
Principal	OFFICE SPACE	180	5	5	0.06	0	1	16	0.8	20	0
Toilet	TOILETS - PUBLIC	42	2 FIXTURES	-	-	50 CFM/ FIXTURE	-	-	-	-	100
Toilet	TOILETS - PUBLIC	28	2 FIXTURES	-	-	50 CFM/ FIXTURE	-	-	-	-	100
Supply	OCCUPIABLE STORAGE ROOMS FOR DRY MATERIALS	38	2	5	0.06	0	1	7	0.8	9	0
Closet	OCCUPIABLE STORAGE ROOMS FOR DRY MATERIALS	11	2	5	0.06	0	1	6	0.8	7	0
Supply	OCCUPIABLE STORAGE ROOMS FOR DRY MATERIALS	34	2	5	0.06	0	1	7	0.8	9	0
Nurse	OFFICE SPACE	280	5	5	0.06	0	2	27	0.8	34	0
Classroom/107	CLASSROOM (AGES 9+)	864	35	10	0.12	0	31	414	0.8	517	0
Conference/105	CONFERENCE/MEETING	605	50	5	0.06	0	31	191	0.8	239	0
Vest. 2/ V2	MAIN ENTRY LOBBIES	82	10	5	0.06	0	1	10	0.8	12	0
Men's Toilet/A.101	TOILETS - PUBLIC	70	2 FIXTURES	-	-	50 CFM/ FIXTURE	-	-	-	-	100
Women's Toilet/A.102	TOILETS - PUBLIC	68	2 FIXTURES	-	-	50 CFM/ FIXTURE	-	-	-	-	100
Vest. 1/ V1	MAIN ENTRY LOBBIES	68	10	5	0.06	0	1	9	0.8	11	0
Storage/103B	OCCUPIABLE STORAGE ROOMS FOR DRY MATERIALS	8	2	5	0.06	0	1	5	0.8	7	0
Toilet/103A	TOILETS - PUBLIC	26	2 FIXTURES	-	-	50 CFM/ FIXTURE	-	-	-	-	100
Toilet/101A	TOILETS - PUBLIC	26	2 FIXTURES	-	-	50 CFM/ FIXTURE	-	-	-	-	100
Storage/101B	OCCUPIABLE STORAGE ROOMS FOR DRY MATERIALS	8	2	5	0.06	0	1	5	0.8	7	0
Vest. 5/ V5	MAIN ENTRY LOBBIES	51	10	5	0.06	0	1	8	0.8	10	0
Nurse/135	ALL OTHER LOCKER ROOMS	193	0	0	0	0.25	0	0	0.8	0	48
Nurse/135 Toilet	TOILETS - PUBLIC	35	2 FIXTURES	-	-	50 CFM/ FIXTURE	-	-	-	-	100
Stage	STAGES, STUDIOS	570	70	10	0.06	0	40	434	0.8	543	0
Boys Dressing Room	ALL OTHER LOCKER ROOMS	225	0	0	0	0.25	0	0	0.8	0	56
Boy's Dressing Room Toilet	TOILETS - PUBLIC	48	2 FIXTURES	-	-	50 CFM/ FIXTURE	-	-	-	-	100
Auditorium and Gymnasium/133	AUDITORIUM SEATING AREA	4100	150	5	0.06	0	615	3321	0.8	4151	0
Corridor/205	CORRIDORS	1049	0	0	0.06	0	0	63	0.8	79	0
Corridor/205.2	CORRIDORS	1910	0	0	0.06	0	0	115	0.8	143	0
Corridor/205.3	CORRIDORS	985	0	0	0.06	0	0	59	0.8	74	0

LOWER LEVEL - SCHEDULE OF MINIMUM VENTILATION ROOM FLOW RATES

		A	B	C	D	E	F	G	H	I	
ROOM NAME/NUMBER	OCCUPANCY CATEGORY	ROOM AREA (SQ.FT.)	PEOPLE DENSITY (#P/1000 SQ.FT.) / # OF FIXTURES	PEOPLE OUTDOOR AIR FLOW RATE (CFM/PERSON)	AREA OUTDOOR AIR FLOW RATE IN BREATHING ZONE (CFM/SQ.FT.)	EXHAUST AIR FLOW RATE (CFM/SQ.FT.)	NUMBER OF PEOPLE (A×B)+1000=#P	OUTDOOR AIR FLOW RATE WITHOUT ZONE EFFECTIVENESS FACTOR (F×C)+(A×D)=CFM	ZONE AIR DISTRIBUTION EFFECTIVENESS FACTOR	MINIMUM ROOM VENTILATION AIR FLOW RATE G+H=CFM	MINIMUM EXHAUST AIR FLOW RATE A×E=CFM
Classroom/1	CLASSROOM (AGES 9+)	846	35	10	0.12	0	30	402	0.8	502	0
Classroom/2	CLASSROOM (AGES 9+)	844	35	10	0.12	0	30	401	0.8	502	0
Classroom/3	CLASSROOM (AGES 9+)	841	35	10	0.12	0	30	401	0.8	501	0
Classroom/4	CLASSROOM (AGES 9+)	844	35	10	0.12	0	30	401	0.8	502	0
Classroom/5	CLASSROOM (AGES 9+)	841	35	10	0.12	0	30	401	0.8	501	0
Classroom/6	CLASSROOM (AGES 9+)	849	35	10	0.12	0	30	402	0.8	502	0
Classroom/7	CLASSROOM (AGES 9+)	843	35	10	0.12	0	30	401	0.8	501	0
Classroom/8	CLASSROOM (AGES 9+)	848	35	10	0.12	0	30	402	0.8	502	0
Classroom/9	CLASSROOM (AGES 9+)	843	35	10	0.12	0	30	401	0.8	501	0
Classroom/10	CLASSROOM (AGES 9+)	745	35	10	0.12	0	27	359	0.8	449	0
Classroom/11	CLASSROOM (AGES 9+)	450	35	10	0.12	0	16	214	0.8	268	0
Classroom/12	CLASSROOM (AGES 9+)	740	35	10	0.12	0	26	349	0.8	436	0
Teacher's Lounge/13	BREAK ROOMS	440	50	5	0.12	0	22	163	0.8	204	0
Assistant Principal/14	OFFICE SPACE	380	5	5	0.06	0	2	33	0.8	41	0
Girl's Bathroom/15	TOILETS - PUBLIC	163	5 FIXTURES	-	-	50 CFM/ FIXTURE	-	-	-	-	250
Boy's Bathroom/17	TOILETS - PUBLIC	163	5 FIXTURES	-	-	50 CFM/ FIXTURE	-	-	-	-	250
Meter Room	JANITOR CLOSETS, TRASH ROOMS, RECYCLING	190	0	0	0	1	0	0	0.8	0	190
Supplies	OCCUPIABLE STORAGE ROOMS FOR DRY MATERIALS	58	2	5	0.06	0	1	8	0.8	11	0
Cafeteria/18	CAFETERIA/FAST-FOOD DINING	2000	100	7.5	0.18	0	200	1860	0.8	2325	0
Kitchen/18.1	KITCHEN (COOKING)	565	20	7.5	0.12	0.7	12	158	0.8	197	396
Pantry	OCCUPIABLE STORAGE ROOMS FOR DRY MATERIALS	56	2	5	0.06	0	1	8	0.8	10	0
Men's Bathroom/28	TOILETS - PUBLIC	68	2 FIXTURES	-	-	50 CFM/ FIXTURE	-	-	-	-	100
Women's Bathroom/29	TOILETS - PUBLIC	92	2 FIXTURES	-	-	50 CFM/ FIXTURE	-	-	-	-	100
Custodian/23	JANITOR CLOSETS, TRASH ROOMS, RECYCLING	110	0	0	0	1	0	0	0.8	0	110
Janitor Storage	JANITOR CLOSETS, TRASH ROOMS, RECYCLING	116	0	0	0	1	0	0	0.8	0	116
Kitchen Storage	OCCUPIABLE STORAGE ROOMS FOR DRY MATERIALS	90	2	5	0.06	0	1	10	0.8	13	0
Outdoor Equipment	OCCUPIABLE STORAGE ROOMS FOR DRY MATERIALS	135	2	5	0.06	0	1	13	0.8	16	0
Maintenance	JANITOR CLOSETS, TRASH ROOMS, RECYCLING	260	0	0	0	1	0	0	0.8	0	260
Corridor/106/106.6/106.7	CORRIDORS	1214	0	0	0.06	0	0	73	0.8	91	0
Corridor/106.2	CORRIDORS	1154	0	0	0.06	0	0	69	0.8	87	0
Corridor/106.3/106.5	CORRIDORS	958	0	0	0.06	0	0	57	0.8	72	0

BEFORE FABRICATION THIS CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AND CONDITIONS ON JOB AND COORDINATE HIS WORK WITH THE WORK OF ALL OTHER CONTRACTORS

KEY PLAN
SCALE N.T.S.

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S.E.D. CONTROL NUMBER:
66-23-00-01-0-032-010

BID SCHEDULE #

PROJECT TITLE
YONKERS SCHOOL DISTRICT
PHASE 1 OF 3 FOR WINDOWS, MASONRY, INTERIOR MODIFICATIONS & SITE WORK
AT SCHOOL P.S. 32
1 MONTCLAIR PLACE, YONKERS, NY 10710

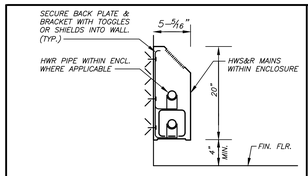
DRAWING TITLE
SCHEDULES

DATE	ISSUED TO
12-22-2023	BID
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06-01-2020	100% D.D. SUBMISSION
05-01-2020	50% D.D. SUBMISSION

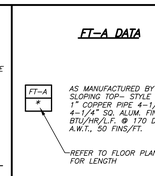
SHEET SIZE 30"x42"
DRAWING NO. H303
SCALE AS NOTED
DRAWN BY BGA
FILE NO. 19360.00

PLOT DATE: December 20, 2023 - 4:58pm

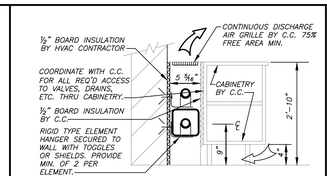
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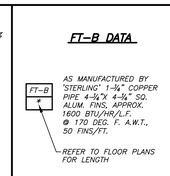
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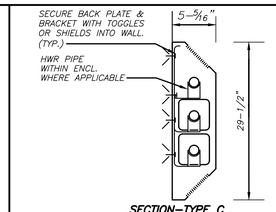
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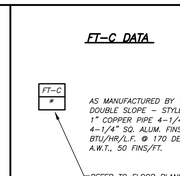
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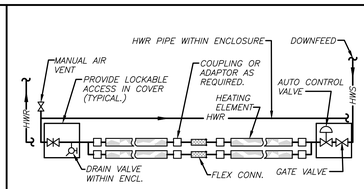
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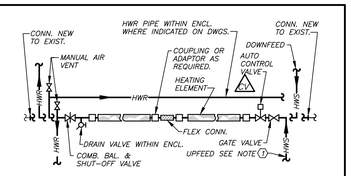
SECTION–TYPE C



IDENTIFICATION–TYPE C



SCHEMATIC ELEVATION DOUBLE TIER

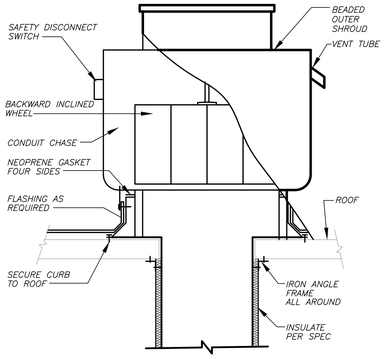


SCHEMATIC ELEVATION SINGLE TIER

NOTE:
1. UPFEED HWS & HWR PIPING SHALL BE WITHIN GYP. BOARD CONSTRUCTION TYPICAL. WHERE NO PARTITION EXISTS, PROVIDE SHEETMETAL ENCLOSURE.

FIN TUBE RADIATION DETAIL (HOT WATER)

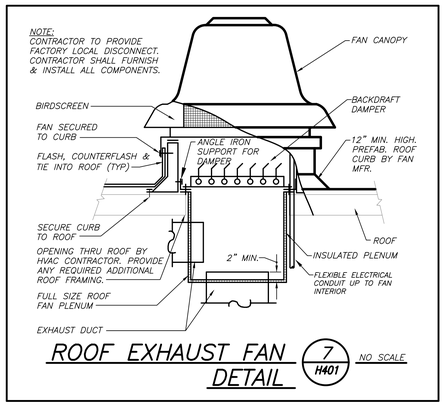
1 / H401 — NO SCALE



NOTE: ASSEMBLY SHALL CONFORM TO NFPA–96.

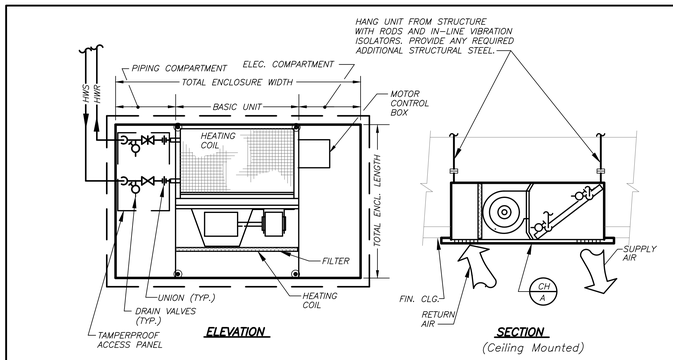
UPBLAST EXHAUST FAN DETAIL

10 / H401 — NO SCALE



ROOF EXHAUST FAN DETAIL

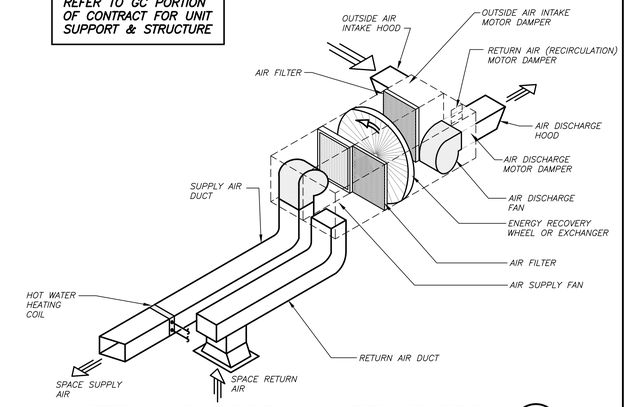
7 / H401 — NO SCALE



CABINET HEATER DETAIL

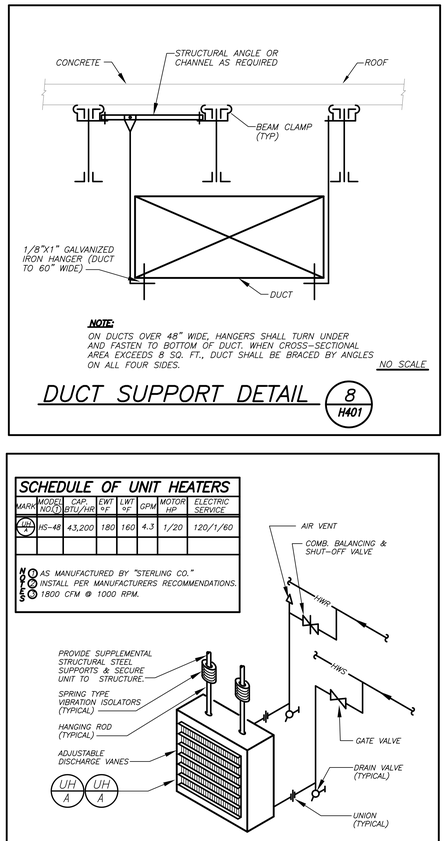
5 / H401 — NO SCALE

REFER TO GC PORTION OF CONTRACT FOR UNIT SUPPORT & STRUCTURE



ISOMETRIC OF ROOF MOUNTED ENERGY RECOVERY AIR HANDLING UNIT DETAIL

2 / H401 — NO SCALE

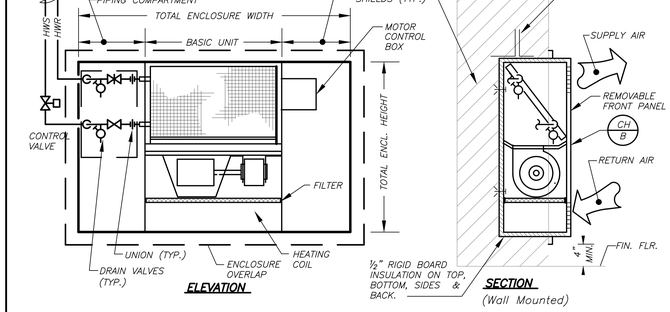


NOTE: ON DUCTS OVER 48" WIDE, HANGERS SHALL TURN UNDER AND FASTEN TO BOTTOM OF DUCT. WHEN CROSS–SECTIONAL AREA EXCEEDS 8 SQ. FT., DUCT SHALL BE BRACED BY ANGLES ON ALL FOUR SIDES.

NO SCALE

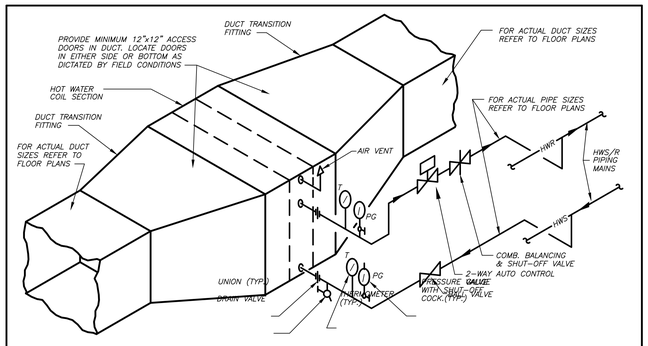
DUCT SUPPORT DETAIL

8 / H401



CABINET HEATER DETAIL

6 / H401 — NO SCALE



DUCT MTD. WATER COIL PIPING CONNECTION DETAIL

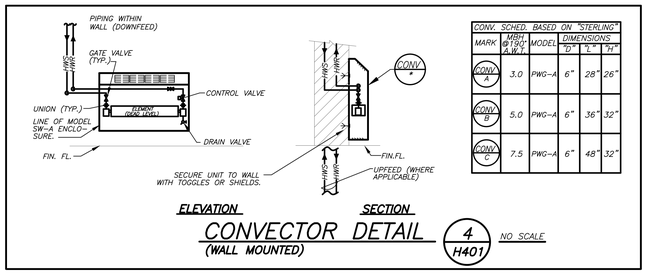
3 / H401 — NO SCALE

SCHEDULE OF UNIT HEATERS							
MARK	MODEL NO.(1)	CAP. BTU/HR	EWT °F	LWT °F	GPM	MOTOR HP	ELECTRIC SERVICE
UH A	HS–48	43,200	180	160	4.3	1/20	120/1/60

NOTES: (1) AS MANUFACTURED BY "STERLING CO." (2) INSTALL PER MANUFACTURERS RECOMMENDATIONS. (3) 1800 CFM @ 1000 RPM.

PIPING CONNECTION TO UNIT HEATER DETAIL

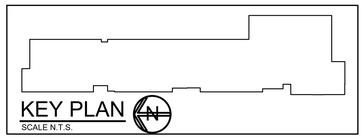
9 / H401 — NO SCALE



CONV. SCHED. BASED ON "STERLING"					
MARK	MBH @ 180° A.W.T.	MODEL	DIMENSIONS "D"	"L"	"H"
CONV A	3.0	PWG–A	6"	28"	26"
CONV B	5.0	PWG–A	6"	36"	32"
CONV C	7.5	PWG–A	6"	48"	32"

CONVECTOR DETAIL (WALL MOUNTED)

4 / H401 — NO SCALE



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S.E.D. CONTROL NUMBER: 66-23-00-01-0-032-010

BID SCHEDULE #

PROJECT TITLE: YONKERS SCHOOL DISTRICT PHASE 1 OF 3 FOR WINDOWS, MASONRY, INTERIOR & EXTERIOR IMPROVEMENTS & SITE WORK AT SCHOOL P.S. 32, 1 MONTCLAIR PLACE, YONKERS, NY 10710

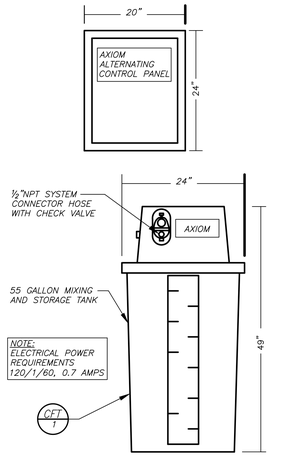
DRAWING TITLE: DETAILS

DATE	ISSUED TO
12-22-2023	BID
11-06-2020	100% C.D. SUBMISSION
06-01-2020	100% D.D. SUBMISSION
05-01-2020	50% D.D. SUBMISSION

SHEET SIZE: 30"x42" | DRAWING NO.: H401
SCALE: AS NOTED
DRAWN BY: BGA | FILE NO.: 19360.00

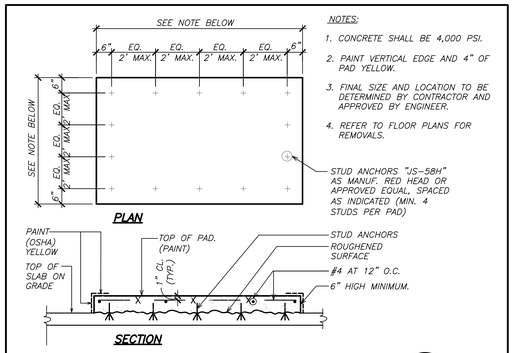
PLOT DATE: December 20, 2023 – 4:58pm

FILE: Y:\YONKERS PUBLIC SCHOOLS\YPS – School 32 – Renovations (1948.00)\Drawings\HVAC\19480OH401.dwg



AUTOMATIC CHEMICAL FEEDER DETAIL

7 / H402 — NO SCALE

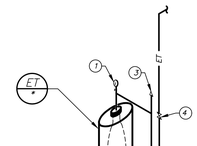


NOTES:

1. CONCRETE SHALL BE 4,000 PSI.
2. PAINT VERTICAL EDGE AND 4" OF PAD YELLOW.
3. FINAL SIZE AND LOCATION TO BE DETERMINED BY CONTRACTOR AND APPROVED BY ENGINEER.
4. REFER TO FLOOR PLANS FOR REMOVALS.

CONCRETE EQUIP. PAD DETAIL

5 / H402 — NO SCALE

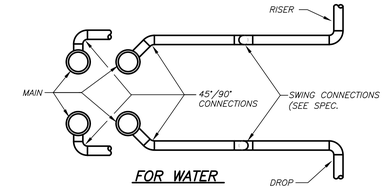


LIST OF APPURTENANCES	
MARK	DESCRIPTION
1	PRESSURE GUAGE (W/SHUT-OFF COCK)
2	DRAIN VALVE WITH HOSE END CONNECTION
3	AUTOMATIC AIR VENT
4	BALL VALVE (HANDLE REMOVED)

NOTE:
LABEL NEW TANKS WITH LAMINATED PLATES

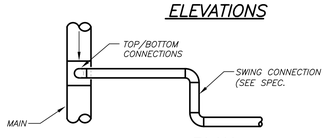
EXPANSION TANK PIPING DIAGRAM

8 / H402 — NO SCALE



FOR WATER

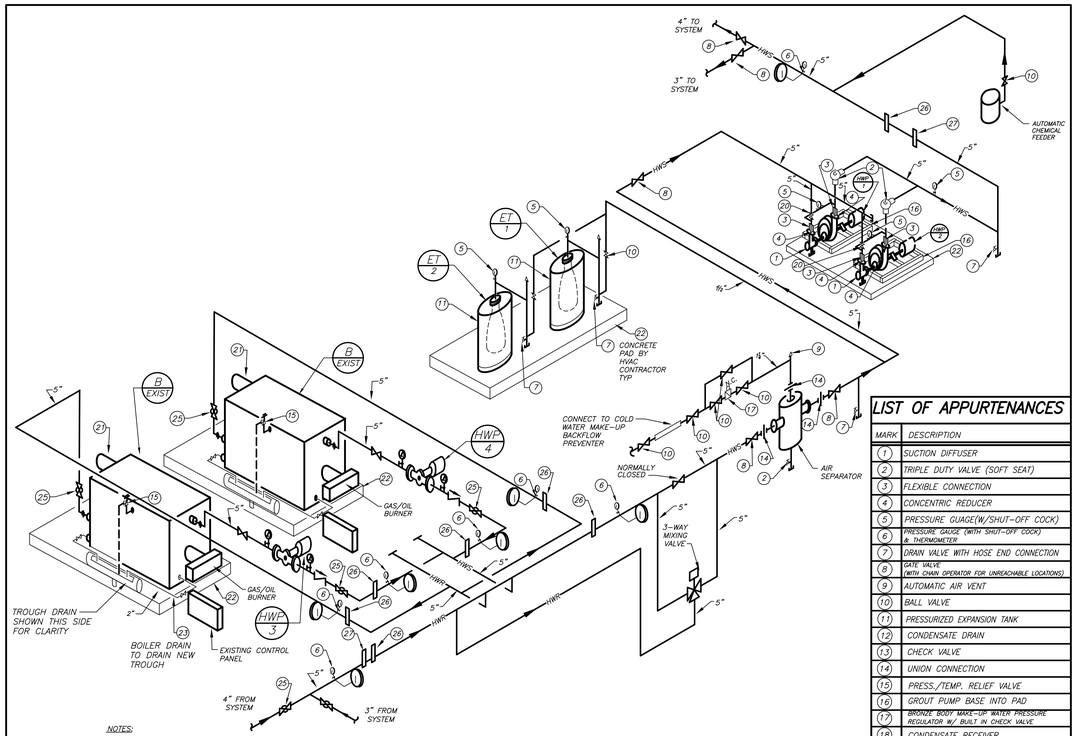
ELEVATIONS



PLAN

DETAIL OF PIPING BRANCH CONNECTION

6 / H402 — NO SCALE



NOTES:

1) RELIEF VALVES SHOULD BE PIPED VERTICALLY TO A HEIGHT 2" ABOVE TROUGH DRAIN.
2) LOCATE WATER INLET AND OUTLET FITTINGS (i.e. UNIONS, ELBOWS, ETC.) A MINIMUM OF 6" FROM BOILER FITTINGS TO PREVENT INTERFERENCE WITH REMOVAL OF BOILER PANELS AND COVERS. ALL PIPING AND ELECTRIC CONNECTIONS (SERVICE SWITCHES, CONDUIT BOXES) SHOULD LIKEWISE BE 6" AWAY FROM SIDE PANELS.
3) THIS IS A TYPICAL INSTALLATION DRAWING. LOCAL CODES AND AUTHORITIES SHOULD BE CONSULTED.

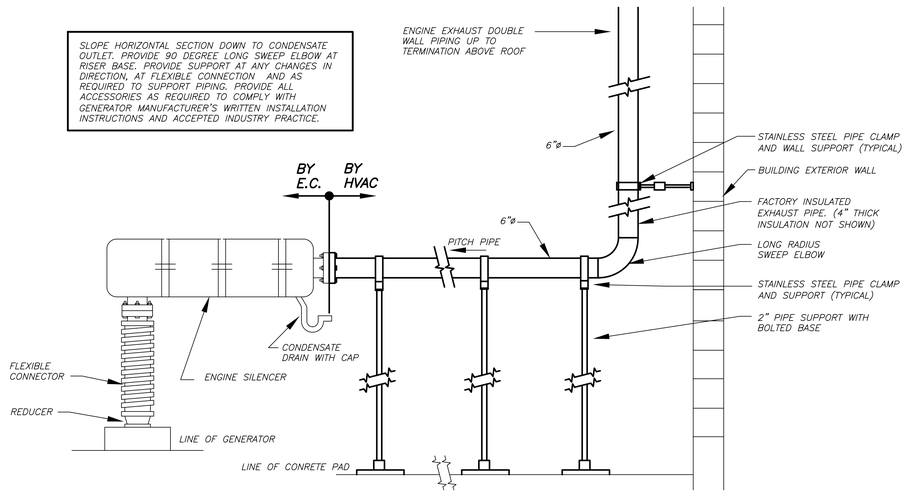
HOT WATER

HEATING BOILER PIPING DIAGRAM

1 / H402 — NO SCALE

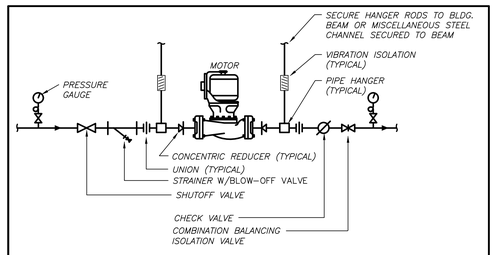
LIST OF APPURTENANCES	
MARK	DESCRIPTION
1	SUCTION DIFFUSER
2	TRIPLE DUTY VALVE (SOFT SEAT)
3	FLEXIBLE CONNECTION
4	CONCENTRIC REDUCER
5	PRESSURE GUAGE(W/SHUT-OFF COCK)
6	PRESSURE GAUGE (WITH SHUT-OFF COCK) & THERMOMETER
7	DRAIN VALVE WITH HOSE END CONNECTION
8	GATE VALVE (WITH CHAIN OPERATOR FOR UNREACHABLE LOCATIONS)
9	AUTOMATIC AIR VENT
10	BALL VALVE
11	PRESSURIZED EXPANSION TANK
12	CONDENSATE DRAIN
13	CHECK VALVE
14	UNION CONNECTION
15	PRESS./TEMP. RELIEF VALVE
16	GROUT PUMP BASE INTO PAD
17	BRONZE BODY MAKE-UP WATER PRESSURE REGULATOR W/ BUILT IN CHECK VALVE
18	CONDENSATE RECEIVER
19	MANUAL GAS COCK
20	BUTTERFLY VALVE
21	FLUE OUTLET
22	4" HOUSEKEEPING PAD
23	BOILER DRAIN
24	GAS PRESSURE REGULATOR
25	BALANCE VALVE
26	HEADER TEMPERATURE SENSOR
27	DIFFERENTIAL PRESSURE SENSOR (VFD)

SLOPE HORIZONTAL SECTION DOWN TO CONDENSATE OUTLET. PROVIDE 90 DEGREE LONG SWEEP ELBOW AT RISER BASE. PROVIDE SUPPORT AT ANY CHANGES IN DIRECTION, AT FLEXIBLE CONNECTION AND AS REQUIRED TO SUPPORT PIPING. PROVIDE ALL ACCESSORIES AS REQUIRED TO COMPLY WITH GENERATOR MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS AND ACCEPTED INDUSTRY PRACTICE.



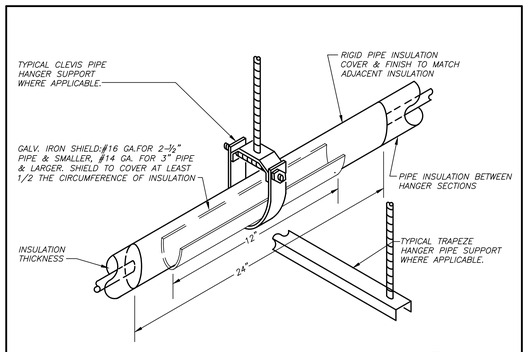
DIESEL ENGINE EXHAUST SYSTEM DETAIL

9 / H402 — NO SCALE



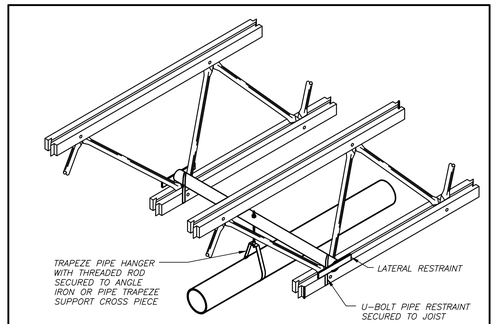
IN-LINE PUMP DETAIL

3 / H402 — NO SCALE



INSULATED PIPE HANGER DETAIL

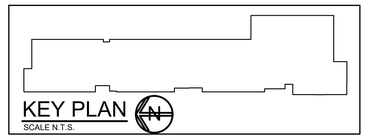
2 / H402 — NO SCALE



NO SCALE

PIPE HANGER SUPPORT DETAIL

4 / H402



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E-MAIL: FULLERDANGELO@MSN.COM

S.E.D. CONTROL NUMBER:

66-23-00-01-0-032-010

BID SCHEDULE #

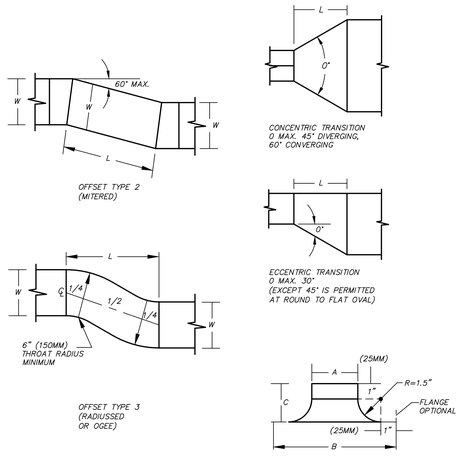
PROJECT TITLE
YONKERS SCHOOL DISTRICT
PHASE 1 OF 3 FOR WINDOWS, MASONRY, WATERPROOFING, ROOF REPLACEMENTS & SITE WORK AT SCHOOL P.S. 32
1 MONTCLAIR PLACE, YONKERS, NY 10710

DRAWING TITLE
DETAILS

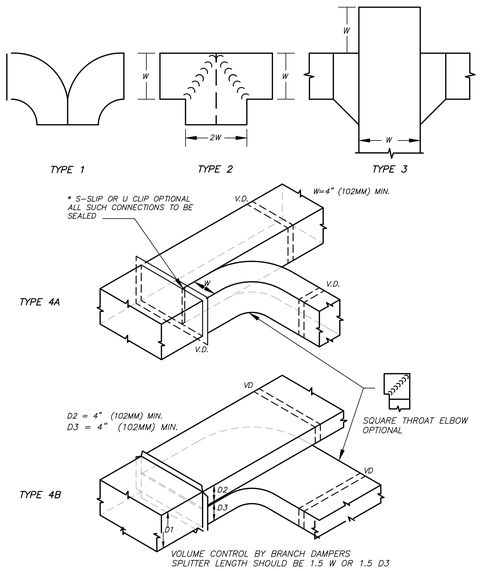
DATE	ISSUED TO
12-22-2023	BID
11-06-2020	100% C.D. SUBMISSION
06-01-2020	100% D.D. SUBMISSION
05-01-2020	50% D.D. SUBMISSION

SHEET SIZE: 30"x42"
DRAWING NO.: H402
SCALE: AS NOTED
DRAWN BY: BGA
FILE NO.: 19360.00

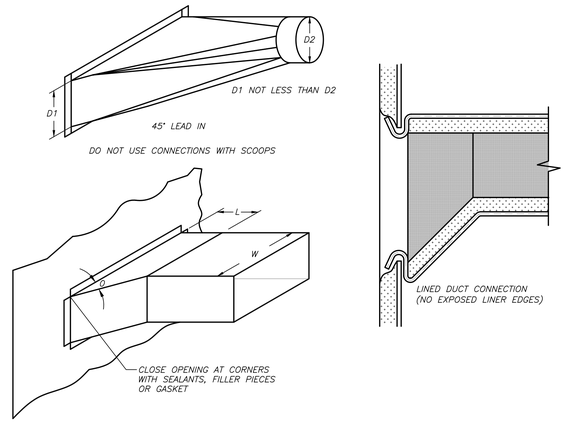
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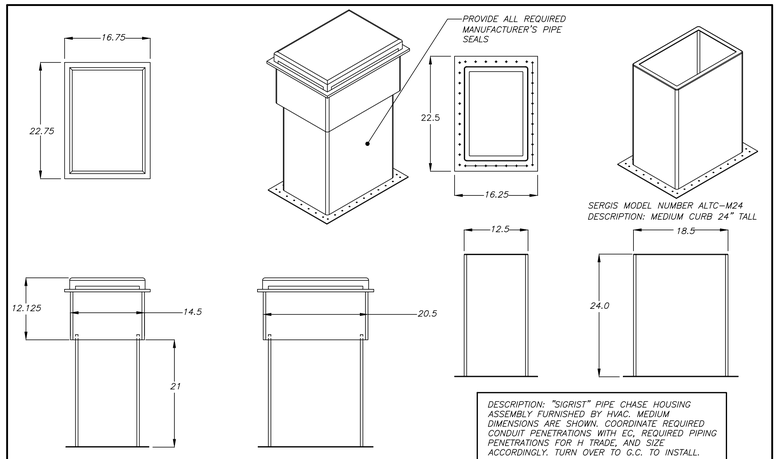
DUCT OFFSETS AND TRANSITIONS DETAIL 5/H403 NO SCALE



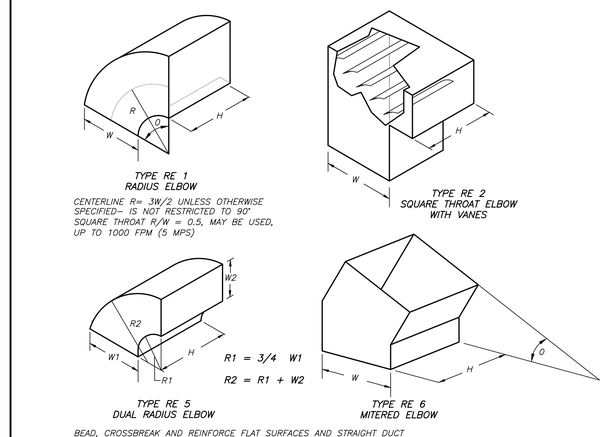
DUCT DIVIDED FLOW BRANCHES DETAIL 3/H403 NO SCALE



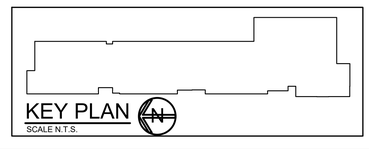
DUCT BRANCH CONNECTIONS DETAIL 1/H403 NO SCALE



PIPING ROOF PORTAL DETAIL 4/H403 NO SCALE



DUCT RECTANGULAR ELBOWS DETAIL 2/H403 NO SCALE



KEY PLAN
SCALE N.T.S.

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S.E.D. CONTROL NUMBER:

66-23-00-01-0-032-010

BID SCHEDULE #

PROJECT TITLE
YONKERS SCHOOL DISTRICT
PHASE 1 OF 3 FOR WINDOWS, MASONRY, INTERIOR IMPROVEMENTS & SITE WORK AT SCHOOL P.S. 32
1 MONTCLAIR PLACE, YONKERS, NY 10710

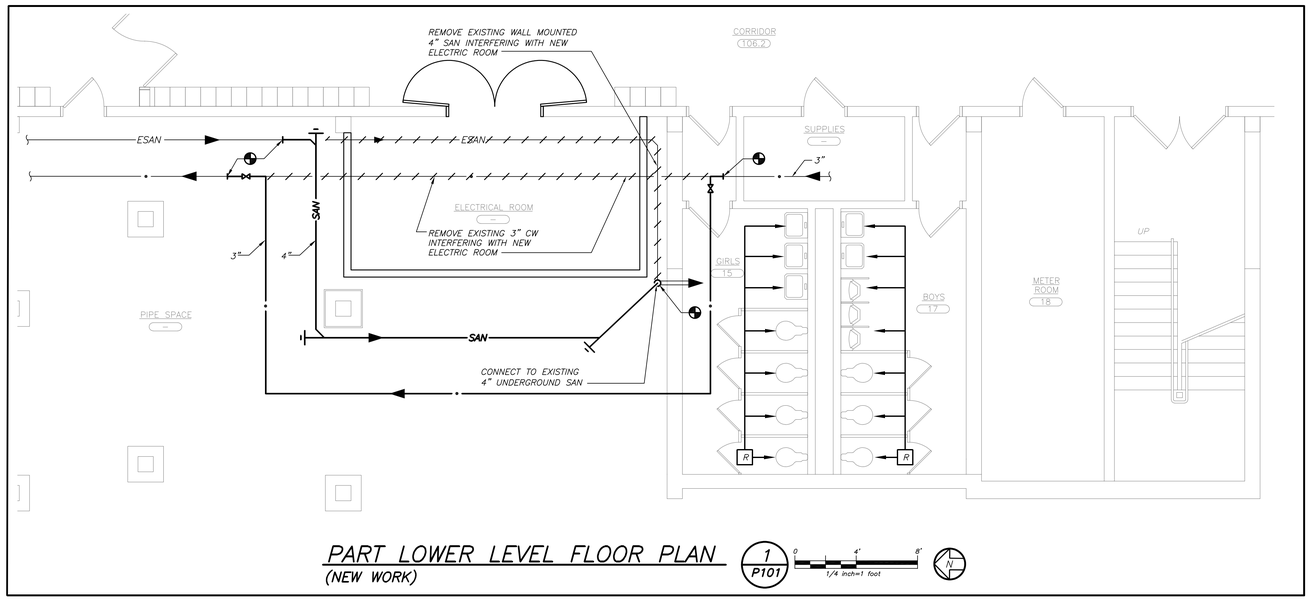
DRAWING TITLE
DETAILS

DATE	ISSUED TO
12-22-2023	BID
11-06-2020	100% C.D. SUBMISSION
06-01-2020	100% D.D. SUBMISSION
05-01-2020	50% D.D. SUBMISSION

SHEET SIZE 30"x42"
DRAWING NO. H403
SCALE AS NOTED
DRAWN BY BGA
FILE NO. 19360.00

PLOT DATE: December 20, 2023 - 4:58pm

DIR: YONKERS PUBLIC SCHOOLS\YPS PUBLIC SCHOOLS\Revisions (SAB.00)\Drawings\19360.00 Drawings\19360.00 Drawings\HVAC\194800H403.dwg - DATE: Dec 20, 2023 - 4:58pm



PART LOWER LEVEL FLOOR PLAN
(NEW WORK)

1 / P101

0 4" 8"
1/4 inch=1 foot

N

LEGEND

———	EXISTING PIPING, FIXTURES, ETC. TO REMAIN
-/-/-/-/-	EXISTING PIPING, FIXTURES, ETC. TO BE REMOVED
———	NEW PIPING, FIXTURES, ETC.
—·—	COLD WATER PIPING
—··—	HOT WATER PIPING
—···—	HOT WATER RETURN PIPING
— — —	PLUMBING VENT PIPING
—SAN—	SANITARY PIPING
=SAN=	SANITARY PIPING (UNDERGROUND)
—ESAN—	EXISTING SANITARY PIPING (ABOVE GROUND)
=ESAN=	EXISTING SANITARY PIPING (UNDERGROUND)
=EST=	EXISTING STORM PIPING (UNDERGROUND)
	FLOW DIRECTION WITHIN PIPE
	CLEANOUT
	CLEANOUT DECK PLATE
	GATE VALVE
	COMBINATION BALANCING & SHUT-OFF VALVE
	CHECK VALVE
	PIPE CONNS. (BOTTOM; TOP 45 OR 90; PIPE UP)
R	PLUMBING FIXTURE IDENTIFICATION
	POINT OF DISCONNECTION
	POINT OF CONNECTION, NEW TO EXISTING
P.C.	PLUMBING CONTRACTOR
G.C.	GENERAL CONTRACTOR
HVAC	HVAC CONTRACTOR
VTR	VENT THRU ROOF
FAI	FRESH AIR INTAKE
FD	FLOOR DRAIN WITH TRAP PRIMER
PRV	PRESSURE REDUCING VALVE

PART PLAN, DETAIL, SECTION NUMBER
DRAWING NUMBER
SECTION IDENTIFICATION

REMOVAL NOTES

1. REMOVE ALL PLUMBING FIXTURES, EQUIPMENT, SPECIALTIES, DRAINS, CONTROLS, HANGERS, BASES, SUPPORTS, PIPING, VALVES, TUBING AND PLUMBING ACCESSORIES THAT ARE NOT INCORPORATED IN THE NEW LAYOUT.
2. WHERE REMOVAL IS INDICATED OR IMPLIED OR NOT INCORPORATED IN THE NEW LAYOUT, THE ITEM ITSELF IS TO BE REMOVED COMPLETELY TOGETHER WITH ALL CONNECTING PIPING, SPECIALTIES, SUPPORTS, CONTROLS, ETC. CONNECTING PIPING IS TO BE REMOVED BACK TO MAINS WHERE THE ARE TO BE CAPPED OR DISCONNECTED. THIS INCLUDES ALL GAS, SANITARY, VENT, WATER, ACID WASTE AND PUMP DISCHARGE PIPING. REFER TO DIVISION I OF SPECIFICATION FOR CUTTING AND PATCHING REQUIREMENTS.
3. WHERE EXISTING PIPING ENTERS INACCESSIBLE TRENCHES, TUNNELS, SHAFTS, WALLS AND CEILINGS INSIDE THE EXISTING BUILDING, IT SHALL BE CUT BACK AT LEAST 2" INTO SUCH INACCESSIBLE SPACES AND SHALL BE SUITABLY CAPPED AND SEALED BY THE CONTRACTOR.
4. THE CONTRACTOR SHALL EXERCISE NORMAL CAUTION TO PREVENT UNNECESSARY CUTTING AND DAMAGE TO THE EXISTING BUILDING. ANY EXCESSIVE DAMAGE AS DETERMINED BY THE OWNER SHALL BE REPAIRED AND PAID FOR BY THE CONTRACTOR CAUSING THE DAMAGE.
5. ALL DEMOLISHED EQUIPMENT ETC. EXCEPT THOSE ITEMS SPECIFICALLY REQUESTED BY THE OWNER SHALL BECOME THE CONTRACTORS PROPERTY, SHALL BE REMOVED FROM THE PREMISES, AND DISPOSED OF LEGALLY.

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S.E.D. CONTROL NUMBER:

66-23-00-01-0-032-010

BID SCHEDULE #

PROJECT TITLE
YONKERS SCHOOL DISTRICT
PHASE 1 OF 3 FOR WINDOWS, MASONRY, INTERIOR IMPROVEMENTS & SITE WORK AT SCHOOL P.S. 32
1 MONTICLAR PLACE, YONKERS, NY 10710

DRAWING TITLE
LEGEND, NOTES, AND LOWER AND UPPER LEVEL PART FLOOR PLANS

DATE	ISSUED TO
12-22-2023	BID
11-06-2020	100% C.D. SUBMISSION
06-01-2020	100% D.D. SUBMISSION
05-01-2020	50% D.D. SUBMISSION

SHEET SIZE 30"x42"
DRAWING NO. P101
SCALE AS NOTED
DRAWN BY BGA
FILE NO. 19360.00

KEY PLAN
SCALE N.T.S.

1 / P101

BEFORE FABRICATION THIS CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AND CONDITIONS ON JOB AND COORDINATE HIS WORK WITH THE WORK OF ALL OTHER CONTRACTORS

PLOT DATE: December 20, 2023 - 5:55pm

FILE: Y:\YONKERS PUBLIC SCHOOLS\YPS - School 32 - Renovations (1948.00)\Drawings\Plumbing\194800P101 - Phase1.dwg

GENERAL NOTES

1. DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL ARRANGEMENT OF SYSTEMS AND WORK. CONTRACTOR SHALL FURNISH ALL NECESSARY OUTLETS, SUPPORTS, FITTINGS AND ACCESSORIES TO FULFILL APPLICABLE CODES, REGULATIONS, BUILDING STANDARDS AND THE BEST PRACTICES OF THE TRADE FOR FIRST CLASS ELECTRICAL INSTALLATION.

2. THE DRAWINGS INDICATE SIZE AND GENERAL LOCATION OF WORK. SCALED DIMENSIONS SHALL NOT BE USED. THE EXACT LOCATION AND ELEVATION OF ALL ELECTRICAL EQUIPMENT SHALL BE COORDINATED IN FIELD WITH RESPECTIVE CONTRACTOR/OWNER.

3. WHERE PANELBOARDS, SWITCHES, CIRCUIT BREAKERS, ETC. ARE EXISTING AND TO BE REUSED THE CONTRACTOR SHALL CLEAN AND REFURBISH THE EQUIPMENT. THIS SHALL INCLUDE TIGHTENING ALL CONNECTIONS, REPLACING DEFECTIVE MECHANISMS AND PROVIDING ALL REQUIRED AND NECESSARY MISCELLANEOUS COMPONENTS SO THAT THE EQUIPMENT SHALL BE IN PERFECT WORKING ORDER.

4. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER PRIOR TO SUBMISSION OF BID TO DETERMINE WHAT WORK MUST BE PERFORMED AFTER NORMAL BUSINESS HOURS. UNLESS OTHERWISE DIRECTED ANY NOISY WORK (CHOPPING, CORE DRILLING, HAMMERING, ETC.) AND BUILDING POWER INTERRUPTIONS SHALL BE PERFORMED OUTSIDE OF NORMAL BUSINESS HOURS. CONFIRM NORMAL BUSINESS HOURS WITH BUILDING OWNER. NO ADDITIONAL COST WILL BE CHARGED TO OWNER FOR WORK PERFORMED OUTSIDE NORMAL BUSINESS HOURS.

5. ALL WORK WHERE SHOWN WITH DARK/SOLID LINES ON THE DRAWINGS IS NEW UNLESS OTHERWISE NOTED. WHERE SHOWN WITH DASHED LINES WITH LETTER (E) IS EXISTING TO REMAIN, WITH LETTER (R) IS EXISTING TO BE REMOVED, WITH LETTER (ER) IS EXISTING RELOCATED, WITH LETTER (RN) IS EXISTING TO BE REPLACED WITH NEW AND WITH LETTER (RR) IS EXISTING TO BE REMOVED AND RELOCATED.

6. CIRCUIT NUMBERS TO EXISTING PANELS ARE SHOWN FOR INTENT ONLY. ACTUAL CIRCUIT NUMBERS TO BE USED SHALL BE AS PER FIELD CONDITIONS BY UTILIZING SPARE CIRCUITS, BREAKERS OR SPACES IN EXISTING PANEL, SIZE AS INDICATED ON THE PLANS. THE ELECTRICAL CONTRACTOR SHALL BALANCE LOAD OF CIRCUITS EVENLY ON ALL PHASES.

7. FEEDERS AND BRANCH CIRCUITRY SHALL BE RUN IN MINIMUM $^{3}/_{4}$" CONDUIT UNLESS OTHERWISE NOTED. FINAL CONNECTIONS TO MOTORS MAY BE MADE WITH FLEXIBLE METALLIC CONDUIT (NO LONGER THAN 18"). IN UNFINISHED AREAS CONDUIT SHALL BE RUN EXPOSED AND IN FINISHED AREAS CONDUIT SHALL BE RUN CONCEALED.

8. PROVIDE PANEL NAME PLATE MADE OF BLACK LAMINATED PLASTIC WITH WHITE ENGRAVED LETTERING AND TYPE WRITTEN DIRECTORY FOR ALL NEW AND EXISTING PANELS BEING USED FOR THIS PROJECT. ALL PANELBOARD COVERS SHALL BE INSTALLED IN PLACE AT THE COMPLETION OF EACH DAYS WORK.

9. ALL CONDUCTORS SHALL BE COPPER, TYPE THHN/THWN INSULATED. ALL CONDUCTORS SHALL HAVE 600 VOLT RATED INSULATION UNLESS OTHERWISE NOTED.

10. PROVIDE LOCK–ON CIRCUIT BREAKERS FOR CIRCUITS SERVING EXIT SIGN FIXTURES AND EMERGENCY BATTERY PACK FIXTURES.

11. REFER TO ARCHITECT'S REFLECTED CEILING PLAN FOR EXACT LOCATION OF ALL CEILING MOUNTED LIGHTING FIXTURES AND OTHER CEILING INSTALLED ITEMS.

12. THE USE OF FLEXIBLE CONDUIT FROM LIGHTING FIXTURES TO JUNCTION BOX IS PERMITTED ONLY WHEN A SEPARATE GROUND WIRE IS INSTALLED WITH THE CONDUCTORS INSIDE FLEXIBLE CONDUIT. THE GROUND WIRE MUST BOND THE FIXTURE HOUSING TO THE JUNCTION BOX. MAXIMUM LENGTH 6'–0".

13. EXACT LOCATION AND MOUNTING HEIGHTS OF ALL DEVICES SHALL BE COORDINATED WITH THE ARCHITECT PRIOR TO THE INSTALLATION.

14. WALL MOUNTED EQUIPMENT (SWITCHES, RECEPTACLES, ETC.,) SHALL BE SURFACE MOUNTED IN UNFINISHED AREAS AND ON EXISTING CONCRETE BLOCK WALLS AND FLUSH MOUNTED IN NEW WALLS/PARTITIONS.

15. CONDUIT RUNS SHALL BE PARALLEL WITH OR AT RIGHT ANGLES TO WALLS AND CEILINGS. CONDUIT SHALL BE SUPPORTED BY APPROVED MEANS. SUPPORTS FOR HORIZONTAL RUNS OF CONDUIT SHALL NOT EXCEED SEVEN FEET ON CENTERS.

16. PROVIDE PULL BOXES, JUNCTION BOXES, CONDUIT ELBOWS AND OFFSETS TO SUIT FIELD CONDITIONS AND THE NATIONAL ELECTRICAL CODE.

17. CONTRACTOR SHALL COORDINATE WITH THE FIRE DEPARTMENT AND F.A. VENDOR BEFORE PROCEEDING WITH WORK INVOLVING FIRE ALARM SYSTEM.

18. THE MINIMUM WIRE SIZE FOR 120 VOLT BRANCH CIRCUITS SHALL BE NO. 12 AWG, EXCEPT OVER 100' IN LENGTH SHALL BE NO. 10 AWG.

19. PROVIDE ALL REQUIRED AND NECESSARY ACCESSORIES (EX. CONNECTORS, ADAPTERS, BUSHINGS, CLAMPS, ETC.) TO FACILITATE COMPLETE INSTALLATION.

20. COORDINATE LOCATION OF ALL MECHANICAL EQUIPMENT WITH HVAC CONTRACTOR IN FIELD. FUSES FOR ALL MOTOR LOADS SHALL BE DUAL ELEMENT TIME DELAY TYPE.

21. ALL JUNCTION OR OUTLET BOXES SHALL BE INSTALLED SO AS TO ALLOW ACCESS TO COVER. PROVIDE ARCHITECT APPROVED ACCESS DOORS OR PLATES AS REQUIRED IN AREAS WHERE UNOBSTRUCTED ACCESS TO BOX OR OUTLET IS NOT POSSIBLE.

22. PRIOR TO ORDERING LIGHTING FIXTURES, COORDINATE WITH ARCHITECTURAL DRAWINGS AND SPECIFICATIONS. IF DISCREPANCIES EXIST BETWEEN ARCHITECTURAL AND ENGINEERING INFORMATION OBTAIN CLARIFICATION PRIOR TO PROCEEDING.

23. MULTIPLE SWITCHES SHOWN IN SAME LOCATION SHALL BE GANGED TOGETHER WITH A COMMON FACEPLATE.

24. ALL LIGHTING FIXTURES CONTROLLED BY DIMMER SWITCHES SHALL BE PROVIDED WITH A DEDICATED NEUTRAL CONDUCTOR.

25. ALL EMERGENCY LIGHT FIXTURES DESIGNATED 'EM' SHALL BE SWITCHED UNLESS OTHERWISE NOTED. PROVIDE UNSWITCHED HOT LEG FOR BATTERY CHARGER REGARDLESS OF FUNCTION. ALL EMERGENCY AND EMERGENCY LIGHT FIXTURES SHALL REVERT TO BATTERY OPERATION UPON INTERRUPTION OF NORMAL POWER AND ILLUMINATE REGARDLESS OF LIGHT SWITCH POSITION.

26. WIRING FOR CLOCK AND P.A. SYSTEMS SHALL BE IN ACCORDANCE WITH APPROVED MANUFACTURER'S REQUIREMENTS, WIRING INDICATED ON DRAWINGS IS FOR REFERENCE ONLY. WIRING FOR P.A. SYSTEM AND CLOCKS SHALL BE PLENUM RATED AND RUN EXPOSED ABOVE ACCESSIBLE CEILINGS. IT SHALL BE RUN IN EMT CONDUIT WHERE EXPOSED, EXCEPT FOR CORRIDORS, CLASSROOMS AND OFFICES IT SHALL BE RUN IN STEEL SURFACE RACEWAY (SIMILAR TO WIREMOLD V–500 AND/OR V–700).

27. PRIOR TO ANY CHASING, CHOPPING OR CORE DRILLING BEING PERFORMED, THE CONTRACTOR SHALL FIELD INVESTIGATE CONDITIONS AND COORDINATE ALL WORK TO ENSURE THAT IT WILL BE IN HARMONY AND NOT AFFECT ANY EXISTING BUILDING SYSTEMS. THIS WORK MUST BE APPROVED BY BUILDING OWNER PRIOR TO PROCEEDING.

28. OPENINGS AROUND ELECTRICAL PENETRATIONS THROUGH FIRE RESISTANCE RATED WALLS, PARTITIONS, FLOORS OR CEILINGS SHALL BE FIRE STOPPED USING APPROVED METHODS. ALL SLEEVES MUST HAVE BUSHINGS. SEALANT SHALL BE 3 HOUR FIRE BARRIER #CP–25 (NO LESS THAN 3" THICK BACKED UP WITH MINERAL WOOL).

29. PREPARE 'AS–BUILT' DRAWINGS THAT REFLECT ACTUAL CONSTRUCTION AND SHOW DEVIATIONS FROM DESIGN DRAWINGS.

30. LIGHT FIXTURES SHALL BE CONSTRUCTED TO SUIT PARTICULAR TYPE OF CEILING AND WALL CONSTRUCTION AND SHALL BE PROVIDED WITH APPROPRIATE TRIMS, MOUNTING FRAMES AND ADAPTERS AS REQUIRED.

31. ALL NEW CIRCUIT BREAKERS INSTALLED INTO EXISTING PANELBOARDS SHALL BE UL LISTED FOR USE IN THE PANEL.

32. CONTRACTOR IS OBLIGATED TO INSTALL THE LIGHTING SYSTEM AND CONTROLS IN OBSERVANCE OF ALL APPLICABLE LOCAL AND NATIONAL CODES IN ACCORDANCE WITH APPROVED SUBMITTALS, INCLUDING ALL NOTES AND REVISIONS.

33. LIGHTING CONTROL SYSTEM MANUFACTURER OR REPRESENTATIVE SHALL PROVIDE OR ORCHESTRATE PROJECT MANAGEMENT AND QUALIFIED STARTUP OR COMMISSIONING SERVICES TO MEET THE SPECIFICATION AND CONTROL INTENT.

34. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION, WIRING, PLACEMENT, AND ADJUSTMENT OF ALL SENSORS AS PER MANUFACTURER'S SPECIFICATIONS, ENGINEER'S DESIGN INTENT, AND APPROVED SUBMITTALS.

GENERAL REMOVAL NOTES

1. BEFORE COMMENCING WORK, EXAMINE ALL ADJOINING AREAS THAT MAY BE AFFECTED BY REMOVAL. REPORT TO THE GENERAL CONTRACTOR ANY CONDITION THAT PREVENTS PERFORMANCE OF THE WORK.

2. BECOME THOROUGHLY FAMILIAR WITH EXISTING CONDITIONS WHERE CONNECTIONS MUST BE MADE, CHANGED OR ALTERED. THE INTENT OF THE WORK IS SHOWN ON THE DRAWINGS AND DESCRIBED HEREINAFTER AND NO CONSIDERATION WILL BE GRANTED BY REASON OF LACK OF FAMILIARITY ON THE PART OF THE CONTRACTOR WITH ACTUAL PHYSICAL CONDITIONS AT THE SITE. INSPECT EACH AND EVERY AREA AFFECTED BY THE ALTERATION OF THE SPACE BEFORE SUBMITTAL OF BID.

3. ALL ELECTRICAL EQUIPMENT IN THE AREA OF WORK IS EXISTING TO BE REMOVED UNLESS OTHERWISE NOTED. THIS SHALL INCLUDE BUT NOT BE LIMITED TO THE FOLLOWING:

   A. LIGHTING FIXTURES AND SWITCHES.

4. ALL CONDUCTORS AND CONDUIT ASSOCIATED WITH REMOVED ELECTRICAL EQUIPMENT SHALL BE REMOVED COMPLETELY BACK TO ITS SOURCE OF POWER AND DISCONNECTED.

5. ALL POWER CONDUCTORS, CONTROL WIRING AND CONDUIT ASSOCIATED WITH MECHANICAL EQUIPMENT SUCH AS FANS, AIR CONDITIONING UNITS, PUMPS, ETC. DESIGNATED FOR REMOVAL ON THE HVAC AND PLUMBING REMOVAL DRAWINGS SHALL BE REMOVED CLEAR BACK TO THE SOURCE OF POWER AND DISCONNECTED. ALL MOTOR STARTERS, DISCONNECT SWITCHES, CONTROL DEVICES, ETC. SHALL BE REMOVED. REFER TO MECHANICAL AND PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.

6. CIRCUIT BREAKERS AND/OR SWITCHES IN PANELBOARD(S) OR DISTRIBUTION BOARD(S) MADE SPARE DUE TO REMOVAL SHALL BE DESIGNATED AS SUCH ON THE PANEL SCHEDULE.

7. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO TRACE AND RELOCATE ALL EXISTING FEEDERS AND BRANCH CIRCUIT WIRING WHICH PASSES THROUGH THE REMOVAL AREA THAT SERVE EXISTING OCCUPIED SPACES TO REMAIN. COORDINATE WITH BUILDING MANAGER PRIOR TO ANY SHUTDOWNS OR DISRUPTIONS THAT MAY BE REQUIRED TO ACCOMPLISH THIS WORK.

8. DISPOSE OF ALL REMOVED EQUIPMENT, WHICH IS NOT INTENDED TO BE REUSED. PRIOR TO DISPOSAL, CONTACT BUILDING MANAGER TO DETERMINE IF ANY REMOVED EQUIPMENT IS DESIRED FOR STOCK.

9. EXISTING CIRCUIT BREAKERS IN PANEL(S) ARE TO BE RE–USED. ELECTRICAL CONTRACTOR TO DISCONNECT PANEL AND CIRCUIT BREAKERS WITH GREAT CARE TO ENSURE AGAINST DAMAGE. THIS CONTRACTOR SHALL PROVIDE NEW CIRCUIT BREAKERS AS REQUIRED. ALL NEW CIRCUIT BREAKERS INSTALLED INTO EXISTING PANELBOARDS SHALL BE UL LISTED FOR USE IN THE PANEL.

10. ALL FIRE ALARM DEVICES IN THE AREA OF WORK ARE EXISTING TO BE REMOVED UNLESS OTHERWISE NOTED.

11. EXISTING EQUIPMENT DESIGNATED FOR REUSE SHALL BE CLEANED, REFURBISHED AND RESTORED TO OPTIMUM PERFORMANCE. THIS SHALL INCLUDE BUT NOT LIMITED TO CLEANING OF LIGHT FIXTURES, REPLACEMENT OF INOPERABLE BALLASTS AND LAMPS, RESISTANCE TESTING OF BRANCH CIRCUITRY AND FEEDERS, ETC.

12. EXTEND EXISTING CIRCUITRY TO THOSE DEVICES THAT ARE TO BE RELOCATED. MATCH EXISTING TYPE AND SIZE. RELOCATION OF EXISTING EQUIPMENT SHALL BE PERFORMED ONLY UPON OWNERS ACCEPTANCE OF EXISTING EQUIPMENT.

13. EXTEND EXISTING CIRCUITS SERVING EQUIPMENT TO REMAIN FROM PANELS THAT ARE TO BE REMOVED TO NEW PANELS OR EXISTING PANELS THAT ARE TO REMAIN.

DISPOSAL OF MERCURY CONTAINING LAMPS

1. ALL FLUORESCENT AND HID LAMPS WITHIN REMOVED LIGHT FIXTURES ARE CONSIDERED MERCURY CONTAINING AND SHALL BE TREATED AS HAZARDOUS MATERIAL.

2. FLUORESCENT AND HID LAMPS SHALL BE REMOVED FROM DEMOLISHED LIGHT FIXTURES AND DISPOSED OF AS PER NEW YORK STATE DEC REGULATIONS AND METHODS

3. LAMPS MUST BE BAGGED IN NON–LEACHING PLASTIC BAGS AND SEALED TO PREVENT LEAKING.

4. EACH LAMP OR BAGGED CONTAINER IN WHICH THESE LAMPS ARE CONTAINED MUST BE LABELED OR MARKED CLEARLY WITH ONE OF THE FOLLOWING PHRASES; UNIVERSAL WASTE LAMPS, OR WASTE LAMPS, OR USED LAMPS

5. THESE MARKED BAGS MUST BE DELIVERED TO THE PROPER NEW YORK STATE D.E.C. AUTHORIZED LANDFILL OR RECYCLE CENTERS.

ABBREVIATIONS

ABBV.	DESCRIPTION
A	AMP/AMPERE
AC	AIR CONDITIONING UNIT
A.F.F.	ABOVE FINISHED FLOOR
AIC	AMP INTERRUPTING CURRENT
AWG	AMERICAN WIRE GAUGE
C	CONDUIT
C.B.	CIRCUIT BREAKER
CH	CABINET HEATER
CKT	CIRCUIT
(E)	EXISTING TO REMAIN
E.C.	ELECTRICAL CONTRACTOR
EF	EXHAUST FAN
EM	EMERGENCY
(ER)	EXISTING RELOCATED
EXIST.	EXISTING
FA	FIRE ALARM
F.A.C.P.	FIRE ALARM CONTROL PANEL
F.B.O	FURNISHED BY OTHERS
G,GRD	GROUND
GFI	GROUND FAULT INTERRUPTER
HVAC	HEATING, VENTILATING AND AIR–CONDITIONING UNIT
kcmil	THOUSAND CIRCULAR MILLS
KV	KILOVOLT
KVA	KILOVOLT AMPERE
KW	KILOWATT
LTG	LIGHTING
MCB	MAIN CIRCUIT BREAKER
MDP	MAIN DISTRIBUTION PANEL
MLO	MAIN LUGS ONLY
MTD	MOUNTED
NTS	NOT TO SCALE
P.A.	PUBLIC ADDRESS
PNL	PANEL
(R)	REMOVE EXISTING
RECPT	RECEPTACLE
(RN)	REPLACE EXISTING W/NEW
(RR)	REMOVED, SALVAGED AND RELOCATED
TVSS	TRANSFER VOLTAGE SURGE SUPPRESSION SYSTEM
TYP.	TYPICAL
UH	UNIT HEATER
U.O.N.	UNLESS OTHERWISE NOTED
UV	UNIT VENTILATOR
WP	WEATHERPROOF

LEGEND

	CEILING/WALL MOUNTED EXIT LIGHT WITH OUTLET BOX, DIRECTIONAL ARROWS SHADED PORTION INDICATES ILLUMINATED FACE. SCHEDULE DENOTES TYPE.
	WALL MOUNTED EMERGENCY LIGHT FIXTURE WITH INTEGRAL BATTERY BACK–UP.
S	FLUSH WALL MOUNTED LIGHTING CONTROL TOGGLE SWITCH.
S^{3K}_{a}	FLUSH WALL MOUNTED LIGHTING CONTROL SWITCH CONTROLLING ZONE "a". 'K' WHERE USED INDICATES KEY SWITCH. '3' INDICATES 3–WAY SWITCH; '4' INDICATES 4–WAY SWITCH.
S^{M}	FLUSH WALL MOUNTED LOW VOLTAGE MOMENTARY CONTACT SWITCH, SIMILAR TO WATTSTOPPER LVSW–101. WORK WITH CEILING SENSORS (DT–300) FOR MANUAL ON, AUTO OFF OPERATION. 'a' INDICATES CONTROL ZONE; '3' INDICATES 3–WAY SWITCH; '4' INDICATES 4–WAY SWITCH.
OS	CEILING MOUNTED LOW VOLTAGE, DUAL TECHNOLOGY SENSOR, SIMILAR TO WATTSTOPPER MODEL# DT–300, MANUAL ON, AUTO OFF, WORK WITH LOCAL LOW VOLTAGE MOMENTARY CONTACT WALL SWITCH (LVSW–101). INCLUDE REQUIRED POWER PACKS. PROGRAM TO MAXIMUM SENSITIVITY AND TIME DELAY TO 20 MIN.
S^{V}	WALL RECESS MOUNTED LOW VOLTAGE DUAL TECHNOLOGY VACANCY SENSOR, SIMILAR TO WATTSTOPPER MODEL# DSW–301. MANUAL ON, AUTO OFF. PROGRAM TO MAXIMUM SENSITIVITY AND TIME DELAY TO 15 MIN.
RC# a,b	NETWORK DIGITAL DIMMABLE ROOM CONTROLLER FOR LIGHTING CONTROL. SIMILAR TO WATTSTOPPER MODEL LMRC–213. HOT WIRE TO LOAD, CAT 5 WIRE CONNECTIONS TO CONTROL DEVICES. 'RC'# DENOTES LMRC–21'#' WITH '#' OF ZONES. LOWER CASE a, b ETC REFERS TO ZONE CONTROL
OS a,b	NETWORK DIGITAL CEILING MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR, SIMILAR TO WATTSTOPPER MODEL LMDC–100. WORKS WITH DIGITAL ROOM CONTROLLER. PROGRAM TO MAXIMUM SENSITIVITY AND TIME DELAY TO 20 MIN. LOWER CASE a, b ETC REFERS TO ZONE CONTROL
$OS^{H}_{a,b}$	NETWORK DIGITAL CEILING MOUNTED ULTRASONIC OCCUPANCY SENSOR, SIMILAR TO WATTSTOPPER MODEL LMUC–100–2. WORKS WITH DIGITAL ROOM CONTROLLER. PROGRAM TO MAXIMUM SENSITIVITY AND TIME DELAY TO 20 MIN. LOWER CASE a, b ETC REFERS TO ZONE CONTROL
IN	NETWORK DIGITAL CEILING MOUNTED INPUT INTERFACE, SIMILAR TO WATTSTOPPER MODEL LMIN–104. WORKS WITH DIGITAL ROOM CONTROLLER. USED TO INTERFACE WITH CORRIDOR KEYED SWITCHES.
LMZC	NETWORK DIGITAL WALL MOUNTED ZONE CONTROLLER, SIMILAR TO WATTSTOPPER MODEL LMZC–301. USED TO INTERFACE WITH CORRIDOR ROOM CONTROLLERS.
PC a(d),b(d)	NETWORK DIGITAL CEILING MOUNTED OPEN LOOP, MULTI ZONE PHOTO SENSOR. SIMILAR TO WATT STOPPER MODEL LMLS–500. WORKS WITH ROOM CONTROLLER. LOWER CASE a(d), b(d) ETC REFERS TO ZONE CONTROL
$WD3^{3}$	NETWORK DIGITAL FLUSH MOUNTED PRESET THREE ZONE DIMMABLE WALL STATION, SIMILAR TO WATTSTOPPER MODEL LMSW–105, WORKS WITH DIGITAL ROOM CONTROLLER. INCLUDES BUTTON ENGRAVING AND PROGRAMMING PER ZONES: ON/RAISE, OFF/LOWER, A, B, C, PRES. SUPERSCRIPT '3' DENOTES 3 WAY SWITCH.
PS	WEATHERPROOF, EXTERIOR GRADE WALL MOUNTED PHOTO SENSOR. SIMILAR TO HUBBELL LIGHTCONTROL #LO–IRWVRP–LWO. INCLUDE #UVPP POWER PACK.
	CEILING/WALL MOUNTED JUNCTION BOX.
^{3}	HOMERUN TO DESIGNATED PANEL, ARROWHEAD INDICATES SINGLE POLE CIRCUIT. HOMERUN SHALL CONSIST OF 2#12–3/4"C U.O.N.
2,(4,6)	HOMERUN TO DESIGNATED PANEL, NUMBERS IN PARENTHESIS INDICATE MULTIPLE CIRCUIT, I.E. 3–HOTS AND 1–GROUND U.O.N.
– – –	EXISTING TO REMAIN
–*–*–	EXISTING TO BE REMOVED
———	NEW
	125V–2P–3W–20A GROUNDED TYPE, SPECIFICATION GRADE WALL MOUNTED DUPLEX RECEPTACLE HUBBELL #5362.
	20A FLUSH WALL MOUNTED GROUND FAULT INTERRUPTING TYPE DUPLEX RECEPTACLE HUBBELL #GF5362.
F	FLUSH MOUNTED ELECTRICAL PANELBOARD.
	SURFACE MOUNTED NEW ELECTRICAL PANELBOARD.
	SURFACE MOUNTED EXISTING ELECTRICAL PANELBOARD.
240/3 60 A WP	HEAVY DUTY TYPE DISCONNECT SWITCH WITH FINAL FLEXIBLE EQUIPMENT CONNECTION. 240 INDICATES VOLTAGE, 3 INDICATES NO. OF POLES, 60 INDICATES AMPERE RATING, NF INDICATES NON–FUSED(OR FUSE SIZE) U.O.N. REFER TO SPECIFICATION AND DRAWINGS FOR ENCLOSURE. 'WP' WHERE USED INDICATES WEATHERPROOF ENCLOSURE (NEMA 3R).
VFD	VARIABLE FREQUENCY DRIVE. FURNISHED BY MECHANICAL CONTRACTOR, WIRED AND INSTALLED BY ELECTRICAL CONTRACTOR. THE CONDUIT AND WIRING FROM VFD TO MECHANICAL UNIT INTER CONNECTION SHALL MATCH THE SAME SIZE AND CONDUIT AND WIRE FROM VFD TO DESIGNATED PANELBOARD. REFER TO PANEL SCHEDULE OR NOTES FOR CONDUIT WIRE AND SIZE
S_{T}	THERMAL SWITCH, CUTLER–HAMMER MS SERIES MANUAL STARTERS SINGLE–PHASE 20AMP, 120V U.O.N. WHERE INDICATED WITH 'WP' PROVIDE WATERTIGHT ENCLOSURE TYPE 3.
S_{2T}	208 VOLT, SINGLE PHASE 2 POLE, THERMAL OVERLOAD PROTECTED TOGGLE TYPE SWITCH. SIMILAR TO EATON #AH4361 + #AH27940G NEMA 1 ENCLOSURE.
M	MOTOR (F.B.O. WIRED BY ELEC.). REFER TO PANEL SCHEDULES FOR WIRING AND OVER CURRENT PROTECTION.
F	WALL MOUNTED COMBINATION FIRE ALARM HORN/STROBE DEVICE.
F	WALL MOUNTED FIRE ALARM MANUAL PULL STATION
FSD	FIRE/SMOKE MOTORIZED DAMPER PROVIDED BY OTHERS AND WIRED BY E.C.. E.C. SHALL PROVIDE RELAY'S AND DRY CONTACTS FOR FIRE ALARM MONITORING/INTERFACE/DAMPER CONTROL, PROVIDE ALL WIRING AS REQUIRED.
S_{D}	DUCT MOUNTED PHOTOELECTRIC TYPE SMOKE DETECTOR WITH (REMOTE) CONTROL RELAY MODULE FOR FAN SHUT DOWN. RELAY MODULE TO BE MOUNTED ADJACENT TO MECHANICAL EQUIPMENT. ALSO PROVIDE LOAD RELAY AS REQUIRED IF EXISTING DISCONNECT/STARTERS DO NOT HAVE A SET OF DRY CONTACTS TO TIE–IN FOR FAN SHUTDOWN.
S_{D}	DUCT MOUNTED PHOTOELECTRIC TYPE SMOKE DETECTOR WITH REMOTE MOUNTED L.E.D. AND TEST BUTTON. MOUNT L.E.D. & TEST BUTTON UNDER SINGLE COVER PLATE ON CEILING. (TYP. U.O.N.). PROVIDE (REMOTE) CONTROL RELAY MODULE FOR FAN SHUT DOWN. RELAY MODULE TO BE MOUNTED ADJACENT TO MECHANICAL EQUIPMENT. ALSO PROVIDE LOAD RELAY AS REQUIRED IF EXISTING DISCONNECT /STARTER DO NOT HAVE A SET OF DRY CONTACTS TO TIE–IN FOR FAN SHUTDOWN.
FACP	FIRE ALARM CONTROL PANEL.
IM	INTERFACE MODULE CONSISTING OF CONTROL RELAY AND MONITOR MODULES. IN NEMA 1 ENCLOSURE. ALSO PROVIDE LOAD RELAY AS REQUIRED IF EXISTING DISCONNECT/STARTERS DO NOT HAVE A SET OF DRY CONTACTS TO TIE–IN FOR FAN SHUTDOWN.
WAP	WIRELESS ACCESS POINT
H	WALL MOUNTED P.A. HORN SPEAKER IN GYMNASIUM. SIMILAR TO BOGEN MODEL #FMH15T, WITH SURFACE MOUNTED ENCLOSURE #BBSM6 AND GRILLE #SGHDB. INCLUDE CAT 6 WIRING TO THE P.A. HEAD END SYSTEM.
S	CEILING RECESSED MOUNTED P.A SPEAKER, SIMILAR TO BOGEN MODEL #NO–S1810CT–G2, AS PART OF BOGEN NYQUIST SYSTEM. INCLUDE CAT 6 WIRING TO PA HEAD END RACK.
S	WALL MOUNTED P.A SPEAKER, SIMILAR TO BOGEN MODEL #NO–S1810WT–G2, AS PART OF BOGEN NYQUIST SYSTEM. INCLUDE CAT 6 WIRING TO PA HEAD END RACK.
CI	WALL FLUSH MOUNTED P.A. DIGITAL CALL IN SWITCH, SIMILAR TO BOGEN MODEL #NO–E7020. PROVIDE SURFACE MOUNTED SINGLE GANG BOX WHEREVER REQUIRED. INCLUDE CAT 6 WIRING TO PA HEAD END RACK.
7	TAG SYMBOL. NUMERAL DENOTES REFERENCE TO A WORK NOTE.
	MECHANICAL EQUIPMENT IDENTIFICATION: (EQUIPMENT ABBREVIATION (FE, SF, HV, ETC. SEE ABBREVIATIONS ON THIS DWG.) / EQUIPMENT NUMBER)
	DETAIL/PART PLAN NUMBER IDENTIFICATION: (DETAIL/PART PLAN NUMBER / DRAWING NUMBER)

BEFORE FABRICATION THIS CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AND CONDITIONS ON JOB AND COORDINATE HIS WORK WITH THE WORK OF ALL OTHER CONTRACTORS

PLOT DATE: December 20, 2023 – 5:22pm

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ALEXANDRIA, VIRGINIA

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S.E.D. CONTROL NUMBER:

66-23-00-01-0-032-010

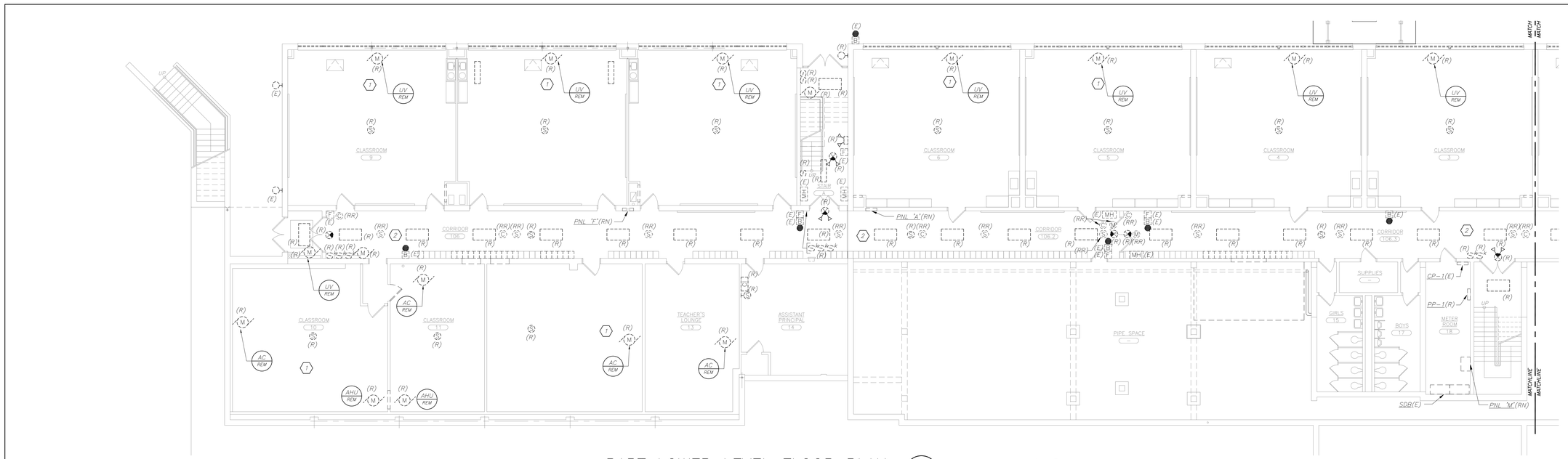
BID SCHEDULE #

PROJECT TITLE
YONKERS SCHOOL DISTRICT
PHASE 1 OF 3 FOR WINDOWS, MASONRY, WINDOW WALL IMPROVEMENTS & SITE WORK AT SCHOOL P.S. 32
1 MONTCLAIR PLACE, YONKERS, NY 10710

DRAWING TITLE
ELECTRICAL LEGEND, NOTES, ABBREVIATIONS AND SCHEDULE

12-22-2023	BID
11-06-2020	100% C.D. SUBMISSION
06-01-2020	100% D.D. SUBMISSION
05-01-2020	50% D.D. SUBMISSION
DATE	ISSUED TO

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SCALE AS NOTED
DRAWN BY BGA | FILE NO. 19360.00

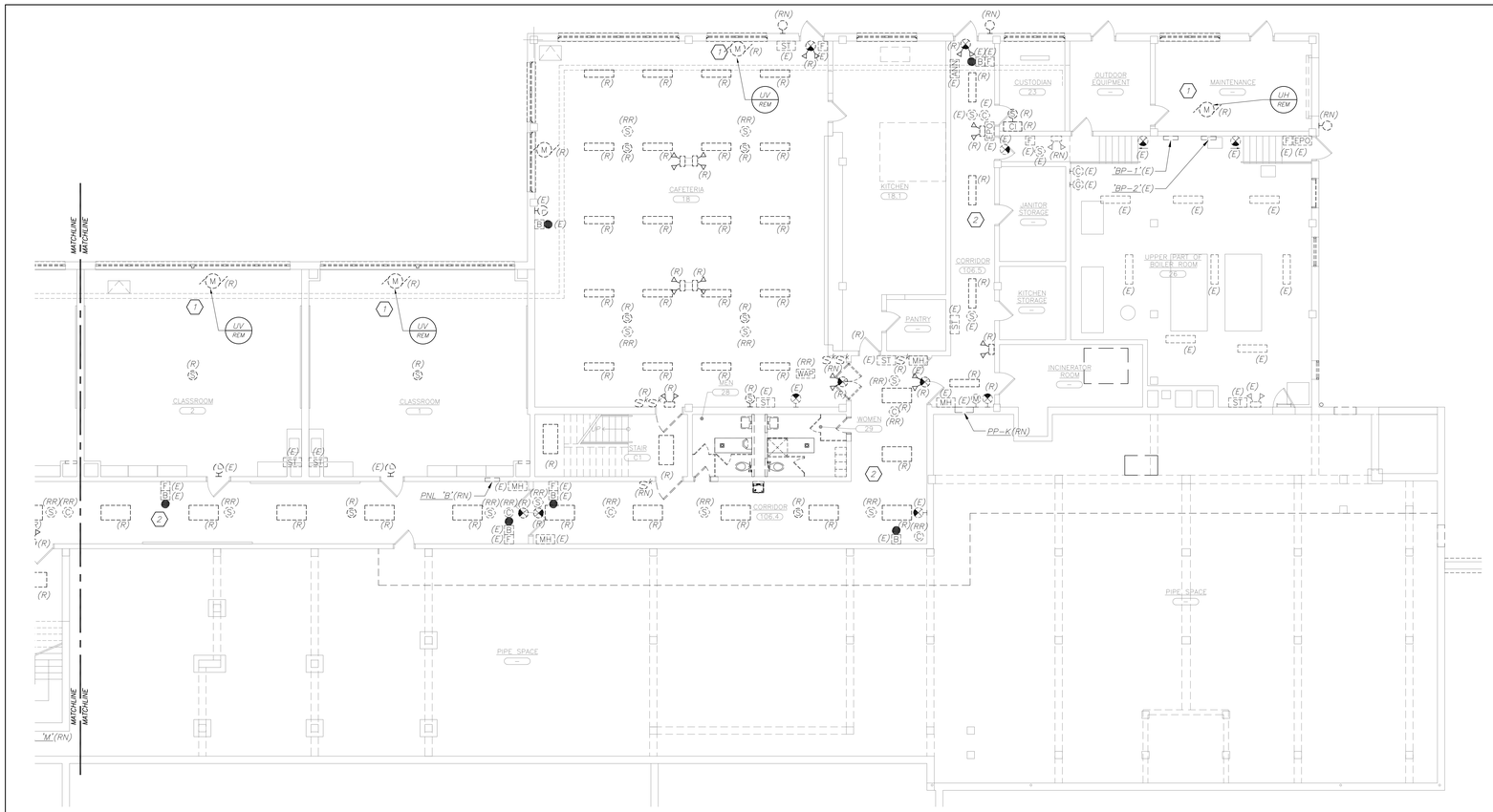


PART LOWER LEVEL FLOOR PLAN
(REMOVALS)

1 / E101 — 1/8 inch=1 foot

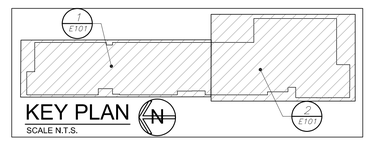
REMOVAL NOTES:

1. REMOVE ALL DISCONNECT SWITCHES, THERMAL SWITCHES, WIRE AND CONDUIT IN ITS ENTIRETY ASSOCIATED WITH HVAC EQUIPMENT BACK TO ITS SOURCE.
2. REMOVE ALL LIGHTING, CONTROLS, PUBLIC ADDRESS SPEAKERS AND ALL ASSOCIATED CONDUIT AND WIRING BACK TO ITS SOURCE IN THE CORRIDORS, LOBBY AND STAIRWELLS. SMOKE DETECTORS, CAMERAS SHALL BE REMOVED, STORED AND REINSTALLED ONCE NEW CEILING IS INSTALLED. IT IS ELECTRICAL CONTRACTORS RESPONSIBILITY TO SECURE ALL THE CEILING DEVICES THAT NEEDS TO BE REINSTALLED.
3. REMOVE PUBLIC ADDRESS SPEAKERS, CALL IN BUTTON AND ALL ASSOCIATED WIRING FROM OFFICES, AND CLASSROOMS.



PART LOWER LEVEL FLOOR PLAN
(REMOVALS)

2 / E101 — 1/8 inch=1 foot



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S.E.D. CONTROL NUMBER:
66-23-00-01-0-032-010

BID SCHEDULE #

PROJECT TITLE:
YONKERS SCHOOL DISTRICT
PHASE I OF 3 FOR WINDOWS, MASONRY, INTERIOR IMPROVEMENTS & SITE WORK AT SCHOOL P.S. 32
1 MONTCLAIR PLACE, YONKERS, NY 10710

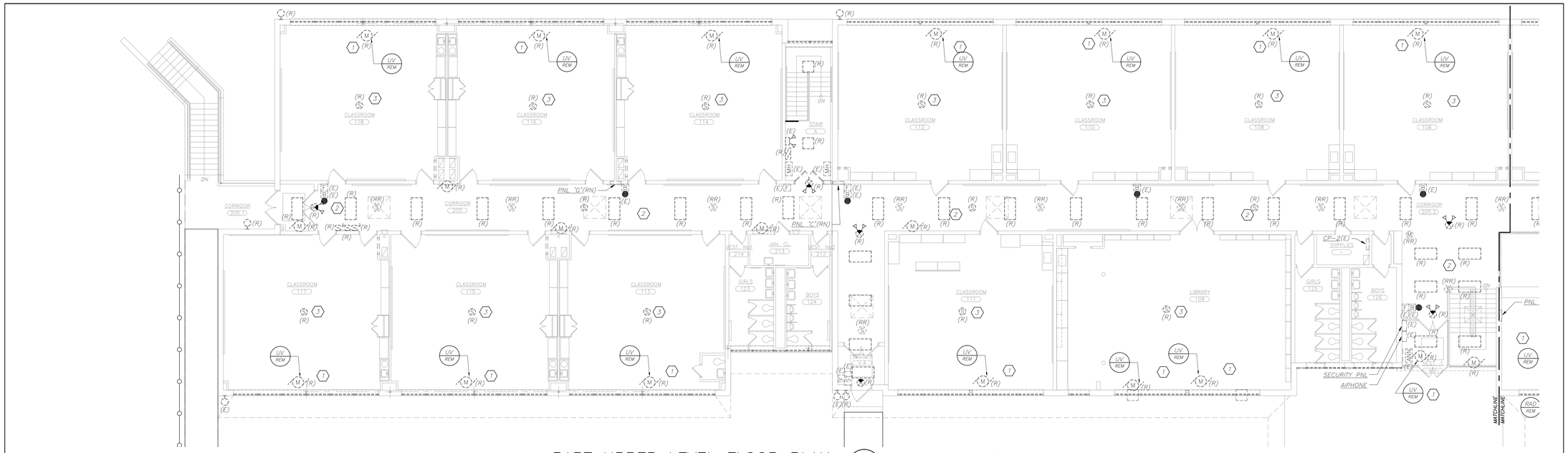
DRAWING TITLE:
LOWER LEVEL
REMOVAL FLOOR PLAN

DATE	ISSUED TO
12-22-2023	BID
11-06-2020	100% C.D. SUBMISSION
06-01-2020	100% D.D. SUBMISSION
05-01-2020	50% D.D. SUBMISSION

SHEET SIZE: 30"x42"	DRAWING NO.: E101
SCALE: AS NOTED	
DRAWN BY: BGA	FILE NO.: 19360.00

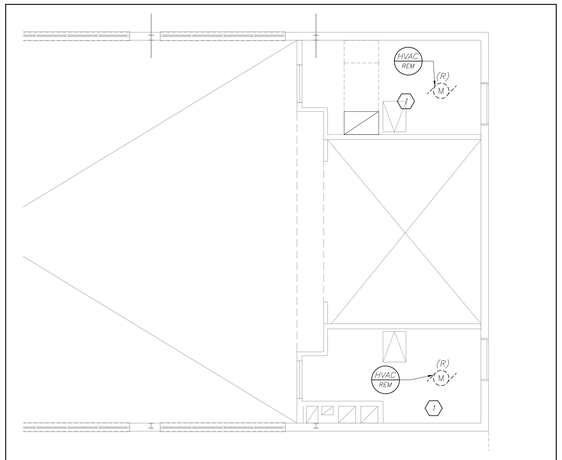
PLOT DATE: December 20, 2023 - 5:23pm

FILE: Y:\YONKERS PUBLIC SCHOOLS\YPS - School 32 - Renovations (1948.00)\Drawings\Electrical\194800E101.dwg



PART UPPER LEVEL FLOOR PLAN
(REMOVALS)

1/E102 — 0, 8', 16' — 1/8 inch=1 foot

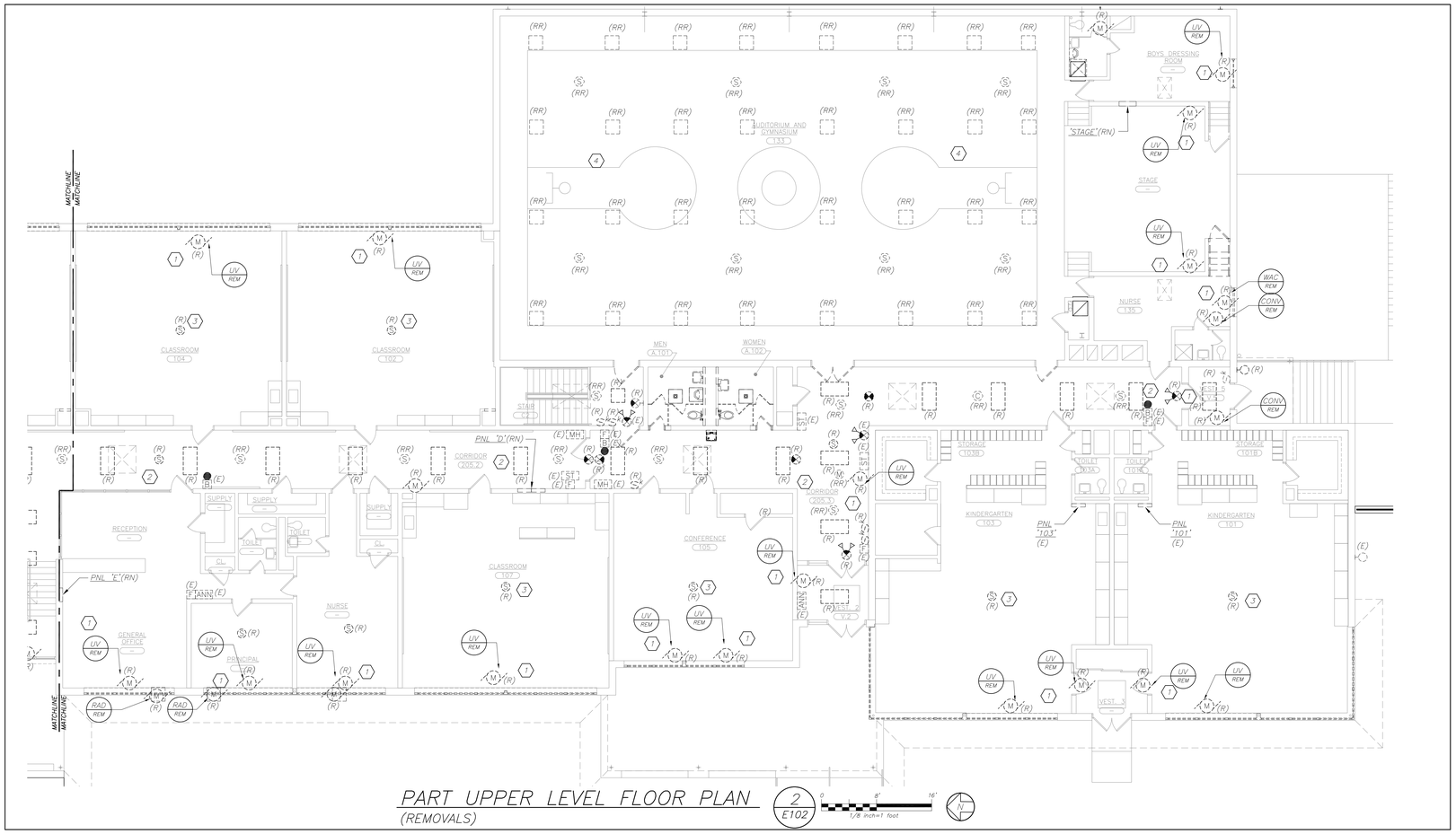


MECHANICAL LEVEL FLOOR PLAN
(REMOVALS)

3/E102 — 0, 8', 16' — 1/8 inch=1 foot

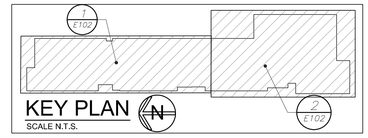
REMOVAL NOTES:

1. REMOVE ALL DISCONNECT SWITCHES, THERMAL SWITCHES, WIRE AND CONDUIT IN ITS ENTIRETY ASSOCIATED WITH HVAC EQUIPMENT BACK TO ITS SOURCE.
2. REMOVE ALL LIGHTING, CONTROLS, PUBLIC ADDRESS SPEAKERS AND ALL ASSOCIATED CONDUIT AND WIRING BACK TO ITS SOURCE IN THE CORRIDORS, LOBBY AND STAIRWELLS. SMOKE DETECTORS, CAMERAS SHALL BE REMOVED, STORED AND REINSTALLED ONCE NEW CEILING IS INSTALLED. IT IS ELECTRICAL CONTRACTORS RESPONSIBILITY TO SECURE ALL THE CEILING DEVICES THAT NEEDS TO BE REINSTALLED.
3. REMOVE PUBLIC ADDRESS SPEAKERS, CALL IN BUTTON AND ALL ASSOCIATED WIRING FROM OFFICES, AND CLASSROOMS.
4. EXISTING LIGHTING, SMOKE DETECTORS AND ANY CEILING MOUNTED DEVICES IN THE AUDITORIUM/GYMNASIUM SHALL BE REMOVED, STORED AND REINSTALLED TO ACCOMMODATE NEW HVAC DUCT WORK.



PART UPPER LEVEL FLOOR PLAN
(REMOVALS)

2/E102 — 0, 8', 16' — 1/8 inch=1 foot



KEY PLAN
SCALE N.T.S.

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S.E.D. CONTROL NUMBER:
66-23-00-01-0-032-010

BID SCHEDULE #

PROJECT TITLE
YONKERS SCHOOL DISTRICT
PHASE 1 OF 3 FOR WINDOWS, MASONRY, MISC. MASONRY IMPROVEMENTS & SITE WORK AT SCHOOL P.S. 32
1 MONTCLAIR PLACE, YONKERS, NY 10710

DRAWING TITLE
UPPER LEVEL
REMOVAL FLOOR PLAN

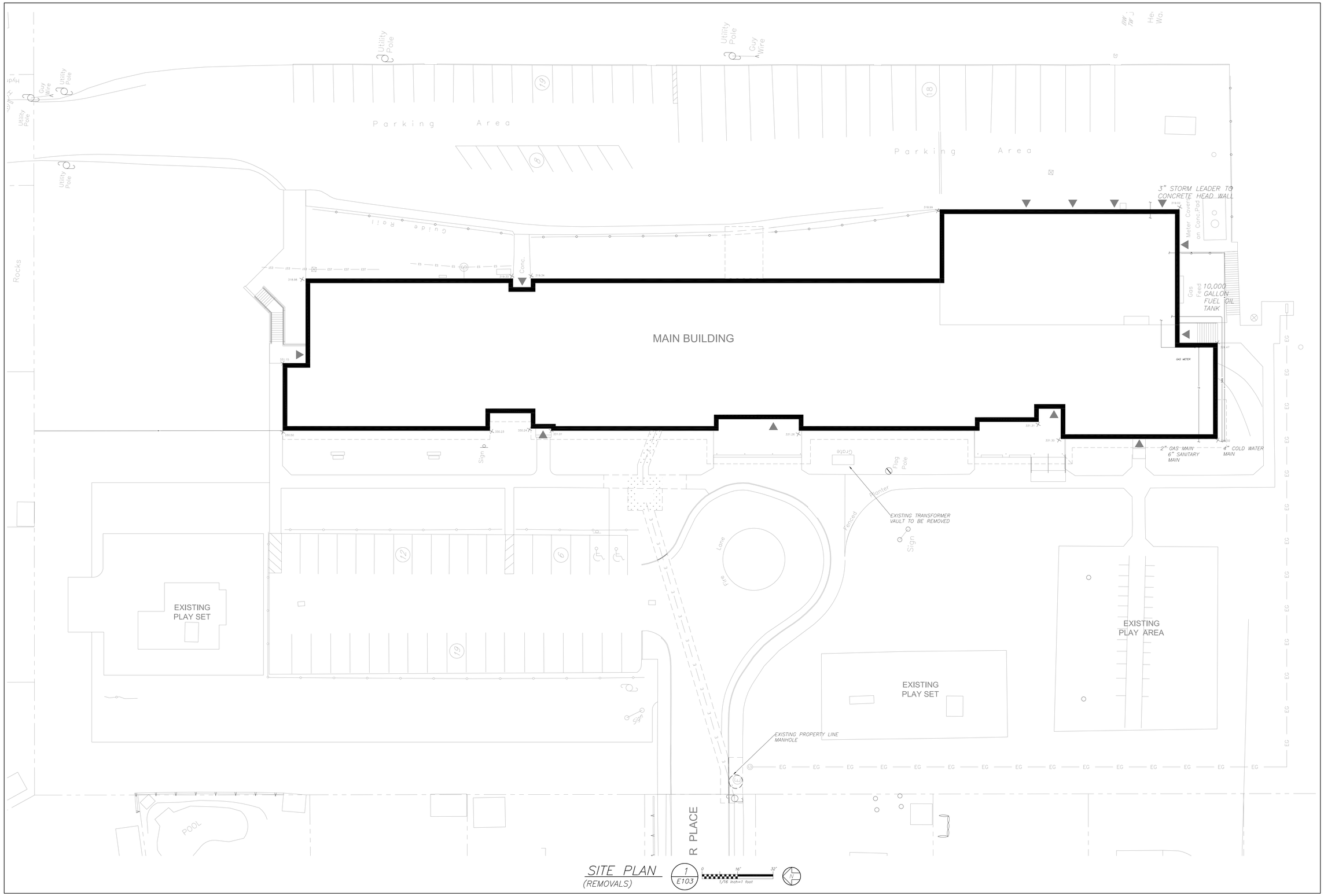
DATE	ISSUED TO
12-22-2023	BID
11-06-2020	100% C.D. SUBMISSION
06-01-2020	100% D.D. SUBMISSION
05-01-2020	50% D.D. SUBMISSION

SHEET SIZE	DRAWING NO.
30"x42"	E102
SCALE: AS NOTED	
DRAWN BY: BGA	FILE NO. 19360.00

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PLOT DATE: December 20, 2023 - 5:22pm

FILE: Y:\YONKERS PUBLIC SCHOOLS\YPS - School 32 - Renovations (1948.00)\Drawings\Electrical\194800E102.dwg



SITE PLAN (REMOVALS)

1/E103

0 16' 32'

1/16 inch=1 foot

KEY PLAN

SCALE N.T.S.

BEFORE FABRICATION THIS CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AND CONDITIONS ON JOB AND COORDINATE HIS WORK WITH THE WORK OF ALL OTHER CONTRACTORS

PLOT DATE: December 20, 2023 - 5:22pm

FILE: Y:\YONKERS PUBLIC SCHOOLS\YPS - School 32 - Renovations (1948.00)\Drawings\Electrical\1948000E103.dwg

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S.E.D. CONTROL NUMBER:

66-23-00-01-0-032-010

BID SCHEDULE #

PROJECT TITLE
YONKERS SCHOOL DISTRICT
PHASE 1 OF 3 FOR WINDOWS, MASONRY, INTERIOR IMPROVEMENTS & SITE WORK AT SCHOOL P.S. 32
1 MONTCLAIR PLACE, YONKERS, NY 10710

DRAWING TITLE
SITE REMOVAL PLAN

DATE	ISSUED TO
12-23-2023	BID
11-06-2020	100% C.D. SUBMISSION
06-01-2020	100% D.D. SUBMISSION
05-01-2020	50% D.D. SUBMISSION

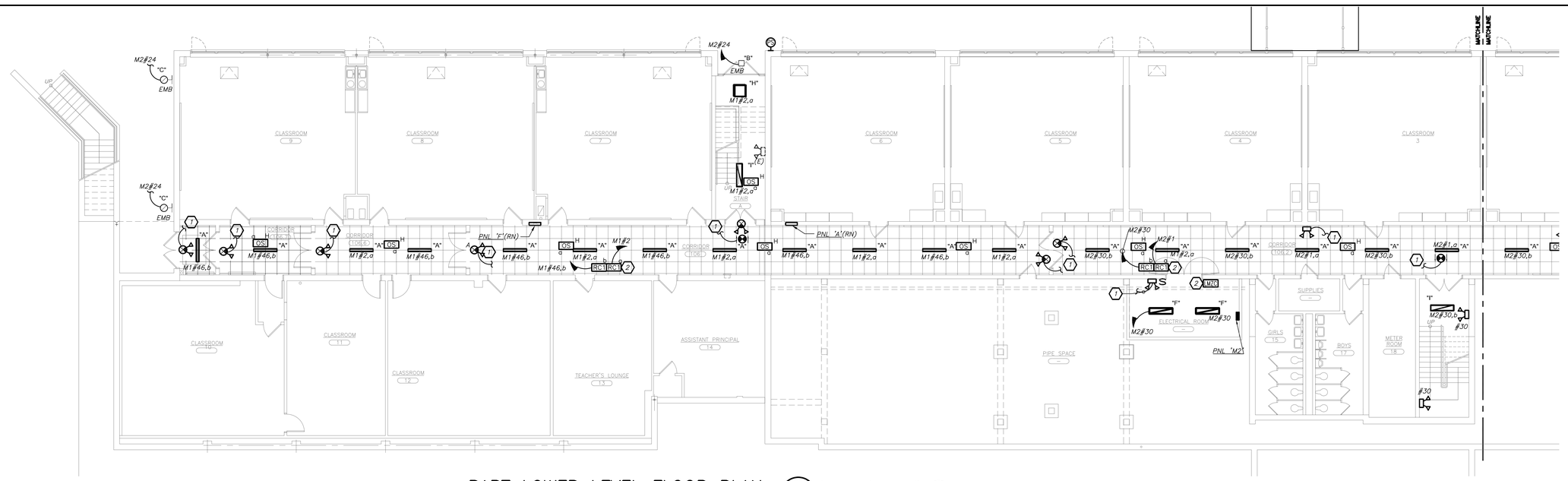
SHEET SIZE 30"x42"

DRAWING NO. E103

SCALE AS NOTED

DRAWN BY BGA

FILE NO. 19360.00



PART LOWER LEVEL FLOOR PLAN
(NEW WORK)

1/8 inch=1 foot

GENERAL NOTES:

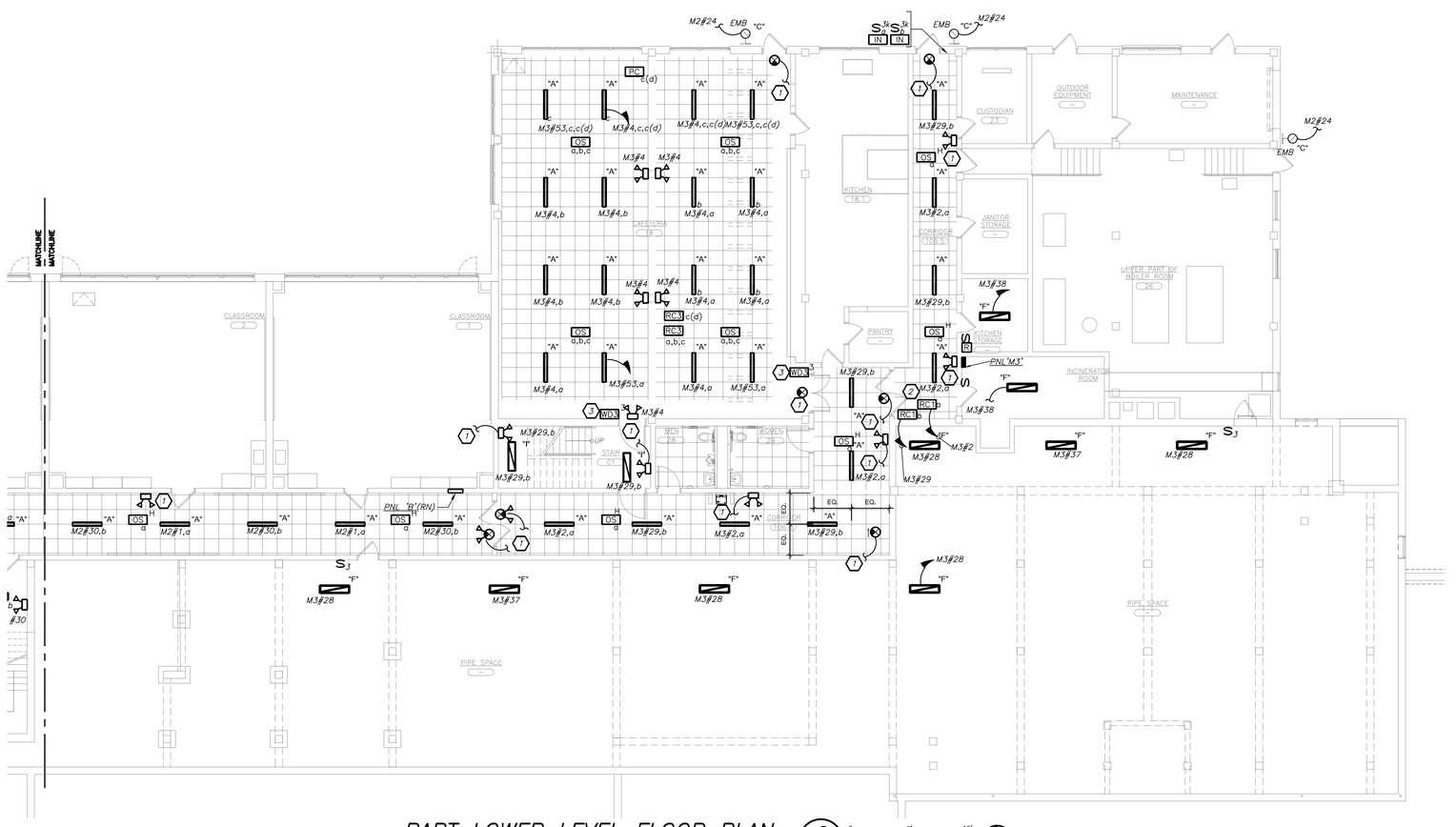
1. REFER TO DRAWING E001 FOR LIGHTING FIXTURE SCHEDULE AND LEGEND FOR LIGHTING FIXTURES AND CONTROL.
2. REFER TO DRAWING E600 SERIES FOR PANELBOARD SCHEDULES.
3. REFER TO DRAWING E703 FOR LIGHTING CONTROL WIRING DIAGRAMS AND DETAILS.
4. NORMAL SIDE SENSING LINE ON ALL EMERGENCY LIGHTING RELAY SHALL BE CIRCUITED TO THE NORMAL LIGHTING CIRCUIT IN THE ROOM/AREA IT SERVES.
5. FOR ALL AREAS CONTROLLED BY ROOM CONTROLLER "RC", ELECTRICAL CONTRACTOR IS TO CIRCUIT ROOM CONTROLLER, THEN EXTEND LINE VOLTAGE CIRCUITRY TO EACH OF THE LIGHT FIXTURES DEPENDING ON CONTROL ZONES. REFER TO ROOM CONTROLLER WIRING DIAGRAM DETAILS ON DRAWING E703.
6. ALL EXIT LIGHTS SHALL BE CIRCUITED TO NORMAL LIGHTING CIRCUIT IN THE AREA, AHEAD OF ANY SWITCHING.
7. SET LIGHTING CONTROL SENSORS TO HIGHEST SENSITIVITY AVAILABLE PRIOR TO INSTALLATION.

LIGHTING CONTROL AND SEQUENCE OF OPERATION:

1. ALL LOBBY, CORRIDORS, AND STAIRWELL LIGHTS ARE SEPARATED INTO ZONE 'a' AND 'b'. NORMAL LIGHTING ZONE 'a' CONTROLLED VIA LOCAL OCCUPANCY SENSORS WITH OVERRIDE KEY SWITCH 'Sa' AND ZONE 'b' CONTROLLED OVERRIDE KEY SWITCH 'Sb'. ZONE CONTROLLER TO PROVIDE PROGRAMMABLE TIME SCHEDULE TO KEEP LIGHTS ON DURING OPERATING HOURS. OVER LAPPED ULTRASONIC OCCUPANCY SENSORS (AUTO ON, AUTO OFF) IN EACH CORRIDOR WILL FUNCTION INDEPENDENTLY AS LOCAL ZONES FOR AFTER HOURS ONLY.
2. ALL CANOPY MOUNTED SCONCES (TYPE B) ARE CONTROLLED VIA BUILT IN OCCUPANCY SENSOR AND REMOTE PHOTOCELL SENSOR. SELF CONTAINED BATTERY PACK SHALL OVERRIDE ALL CONTROLS IN THE EVENT OF EMERGENCY.
3. ALL WALL MOUNTED EXTERIOR SCONCES (TYPE C) ARE CONTROLLED VIA REMOTE COMBINATION OCCUPANCY/ PHOTOCELL SENSOR FOR NIGHT TIME OPERATION PER ENERGY CODE. SELF CONTAINED BATTERY PACK SHALL OVERRIDE ALL CONTROLS IN THE EVENT OF EMERGENCY.
4. ALL BUILDING MOUNTED HIGH LEVEL FLOOD LIGHTS (TYPE D) ARE CONTROLLED VIA BUILT-IN PHOTOCELL AND STEP-DIM MOTION SENSORS.

WORK NOTES:

1. CIRCUIT EXIT LIGHTS, EMERGENCY LIGHTS AND COMBO UNITS TO THE LOCAL LIGHTING CIRCUIT IN THIS AREA, AHEAD OF ANY SWITCHING.
2. PROVIDE ROOM CONTROLLERS AND ZONE CONTROLLER TO TIE ENTIRE BUILDING'S CORRIDOR AND STAIRWELL ON ZONE 'a' AND 'b'. PROVIDE WIRING BETWEEN EACH ROOM CONTROLLERS AND TO ZONE CONTROLLER AS PER MANUFACTURER'S REQUIREMENT FOR A COMPLETE INSTALLATION.
3. PROVIDE LOCKABLE CLEAR COVER TO COVER NEW LIGHT SWITCHES.



PART LOWER LEVEL FLOOR PLAN
(NEW WORK)

1/8 inch=1 foot

KEY PLAN
SCALE N.T.S.

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S.E.D. CONTROL NUMBER:
66-23-00-01-0-032-010

BID SCHEDULE #

PROJECT TITLE
YONKERS SCHOOL DISTRICT
PHASE 1 OF 3 FOR WINDOWS, MASONRY, INTERIOR IMPROVEMENTS & SITE WORK AT SCHOOL P.S. 32
1 MONTCLAIR PLACE, YONKERS, NY 10710

DRAWING TITLE
LOWER LEVEL LIGHTING PLAN

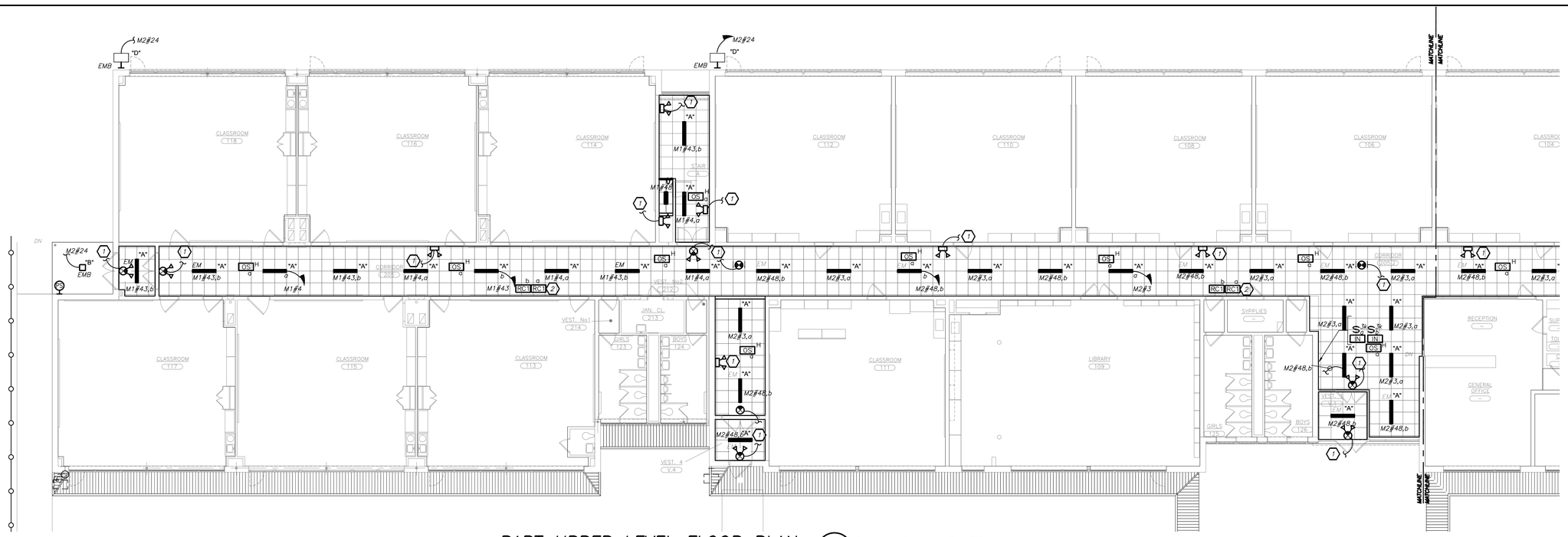
DATE	ISSUED TO
12-22-2023	BID
11-06-2020	100% C.D. SUBMISSION
06-01-2020	100% D.D. SUBMISSION
05-01-2020	50% D.D. SUBMISSION

SHEET SIZE 30"x42" | DRAWING NO. E201
SCALE AS NOTED
DRAWN BY BGA | FILE NO. 19360.00

BEFORE FABRICATION THIS CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AND CONDITIONS ON JOB AND COORDINATE HIS WORK WITH THE WORK OF ALL OTHER CONTRACTORS

PLOT DATE: December 20, 2023 - 5:29pm

FILE: Y:\YONKERS PUBLIC SCHOOLS\YPS - School 32 - Renovations (1948.00)\Drawings\Electrical\194800E201.dwg

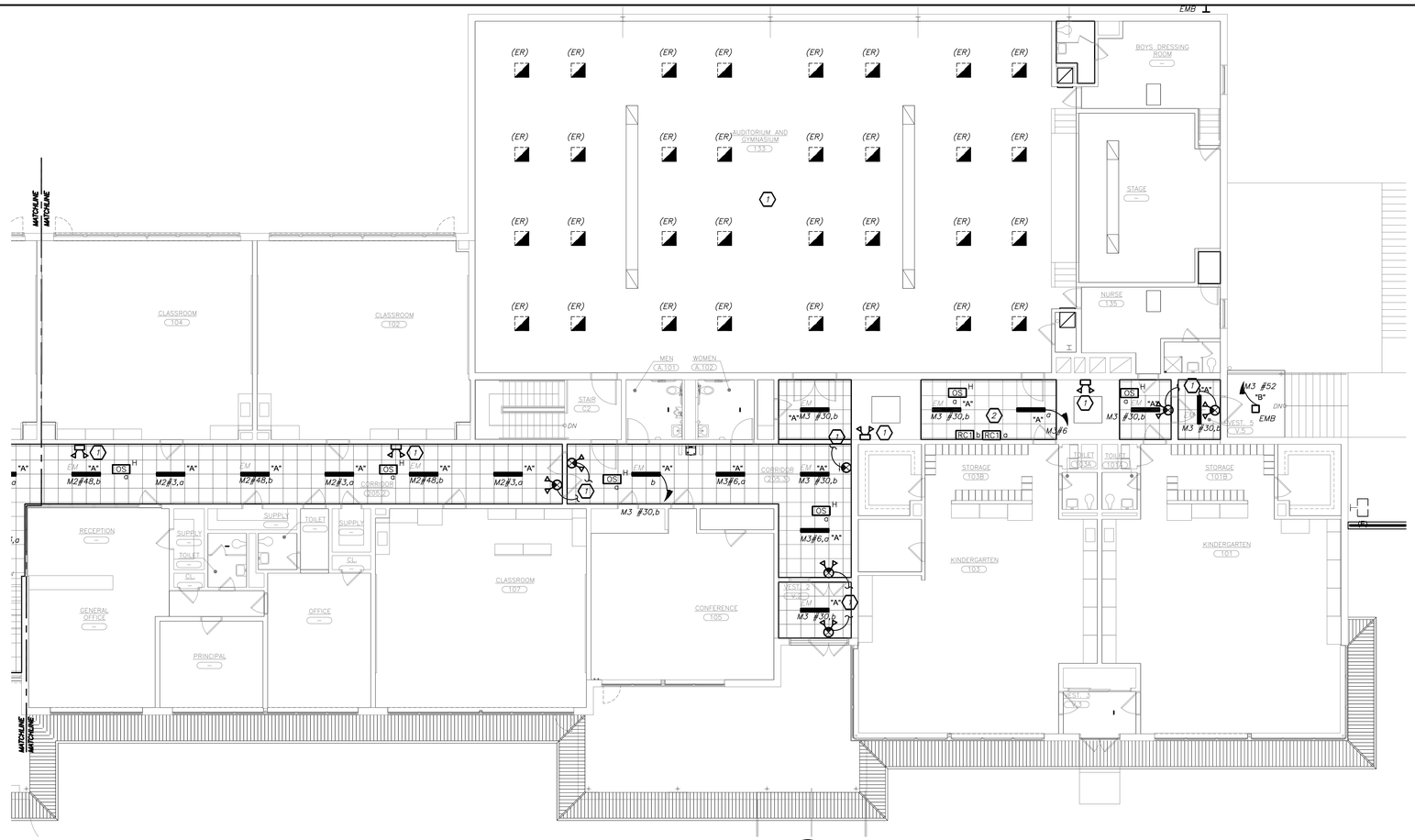


PART UPPER LEVEL FLOOR PLAN
(NEW WORK)

1 / E202

0 8' 16'

1/8 inch=1 foot



PART UPPER LEVEL FLOOR PLAN
(NEW WORK)

2 / E202

0 8' 16'

1/8 inch=1 foot

GENERAL NOTES:

1. REFER TO DRAWING E001 FOR LIGHTING FIXTURE SCHEDULE AND LEGEND FOR LIGHTING FIXTURES AND CONTROL.
2. REFER TO DRAWING E600 SERIES FOR PANELBOARD SCHEDULES.
3. REFER TO DRAWING E703 FOR LIGHTING CONTROL WIRING DIAGRAMS AND DETAILS.
4. NORMAL SIDE SENSING LINE ON ALL EMERGENCY LIGHTING RELAY SHALL BE CIRCUITED TO THE NORMAL LIGHTING CIRCUIT IN THE ROOM/AREA IT SERVES.
5. FOR ALL AREAS CONTROLLED BY ROOM CONTROLLER "RC", ELECTRICAL CONTRACTOR IS TO CIRCUIT ROOM CONTROLLER, THEN EXTEND LINE VOLTAGE CIRCUITRY TO EACH OF THE LIGHT FIXTURES DEPENDING ON CONTROL ZONES. REFER TO ROOM CONTROLLER WIRING DIAGRAM DETAILS ON DRAWING E703.
6. ALL EXIT LIGHTS SHALL BE CIRCUITED TO NORMAL LIGHTING CIRCUIT IN THE AREA, AHEAD OF ANY SWITCHING.
7. SET LIGHTING CONTROL SENSORS TO HIGHEST SENSITIVITY AVAILABLE PRIOR TO INSTALLATION.

LIGHTING CONTROL AND SEQUENCE OF OPERATION:

1. ALL LOBBY, CORRIDORS, AND STAIRWELL LIGHTS ARE SEPARATED INTO ZONE 'A' AND 'B'. NORMAL LIGHTING ZONE 'A' CONTROLLED VIA LOCAL OCCUPANCY SENSORS WITH OVERRIDE KEY SWITCH 'SA' AND ZONE 'B' CONTROLLED OVERRIDE KEY SWITCH 'SB'. ZONE CONTROLLER TO PROVIDE PROGRAMMABLE TIME SCHEDULE TO KEEP LIGHTS ON DURING OPERATING HOURS. OVER LAPPED ULTRASONIC OCCUPANCY SENSORS (AUTO ON, AUTO OFF) IN EACH CORRIDOR WILL FUNCTION INDEPENDENTLY AS LOCAL ZONES FOR AFTER HOURS ONLY.
2. ALL CANOPY MOUNTED SCONCES (TYPE B) ARE CONTROLLED VIA BUILT IN OCCUPANCY SENSOR AND REMOTE PHOTOCELL SENSOR. SELF CONTAINED BATTERY PACK SHALL OVERRIDE ALL CONTROLS IN THE EVENT OF EMERGENCY.
3. ALL WALL MOUNTED EXTERIOR SCONCES (TYPE C) ARE CONTROLLED VIA REMOTE COMBINATION OCCUPANCY/ PHOTOCELL SENSOR FOR NIGHT TIME OPERATION PER ENERGY CODE. SELF CONTAINED BATTERY PACK SHALL OVERRIDE ALL CONTROLS IN THE EVENT OF EMERGENCY.
4. ALL BUILDING MOUNTED HIGH LEVEL FLOOD LIGHTS (TYPE D) ARE CONTROLLED VIA BUILT–IN PHOTOCELL AND STEP–DIM MOTION SENSORS.

WORK NOTES:

1. CIRCUIT EXIT LIGHTS TO THE NORMAL LIGHTING CIRCUIT IN THIS AREA, AHEAD OF ANY SWITCHING.
2. PROVIDE ROOM CONTROLLERS AND ZONE CONTROLLER TO TIE ENTIRE BUILDING'S CORRIDOR AND STAIRWELL ON ZONE 'A' AND 'B'. PROVIDE WIRING BETWEEN EACH ROOM CONTROLLERS AND TO ZONE CONTROLLER AS PER MANUFACTURER'S REQUIREMENT FOR A COMPLETE INSTALLATION.

KEY PLAN (N)
SCALE N.T.S.

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S.E.D. CONTROL NUMBER:
66-23-00-01-0-032-010

BID SCHEDULE #

PROJECT TITLE
YONKERS SCHOOL DISTRICT
PHASE 1 OF 3 FOR WINDOWS, MASONRY, KITCHEN & MISCELLANEOUS IMPROVEMENTS & SITE WORK AT SCHOOL P.S. 32
1 MONTCLAIR PLACE, YONKERS, NY 10710

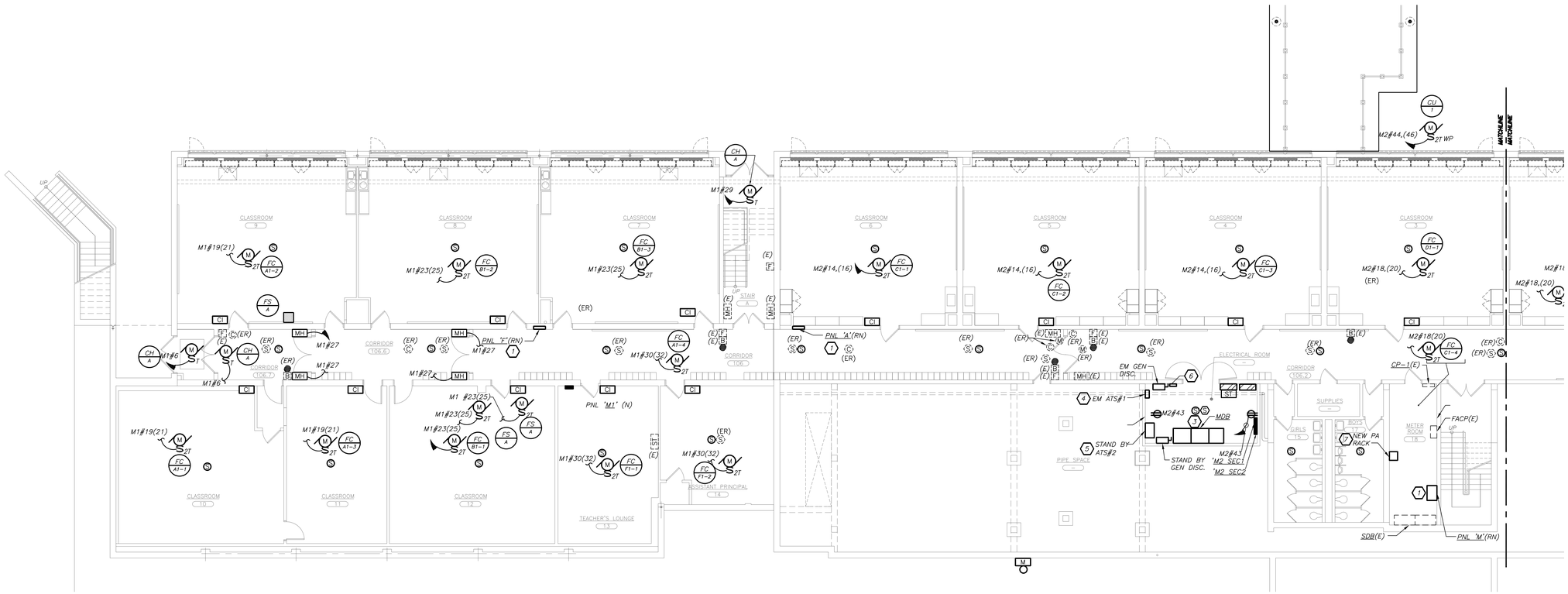
DRAWING TITLE
UPPER LEVEL LIGHTING PLAN

DATE	ISSUED TO
12-22-2023	BID
11-06-2020	100% C.D. SUBMISSION
06-01-2020	100% D.D. SUBMISSION
05-01-2020	50% D.D. SUBMISSION

SHEET SIZE 30"x42"
DRAWING NO. E202
SCALE AS NOTED
DRAWN BY BGA
FILE NO. 19360.00

PLOT DATE: December 20, 2023 - 5:29pm

FILE: Y:\YONKERS PUBLIC SCHOOLS\YPS – School 32 – Renovations (1948.00)\Drawings\Electrical\194800E202.dwg



PART LOWER LEVEL FLOOR PLAN
(NEW WORK)

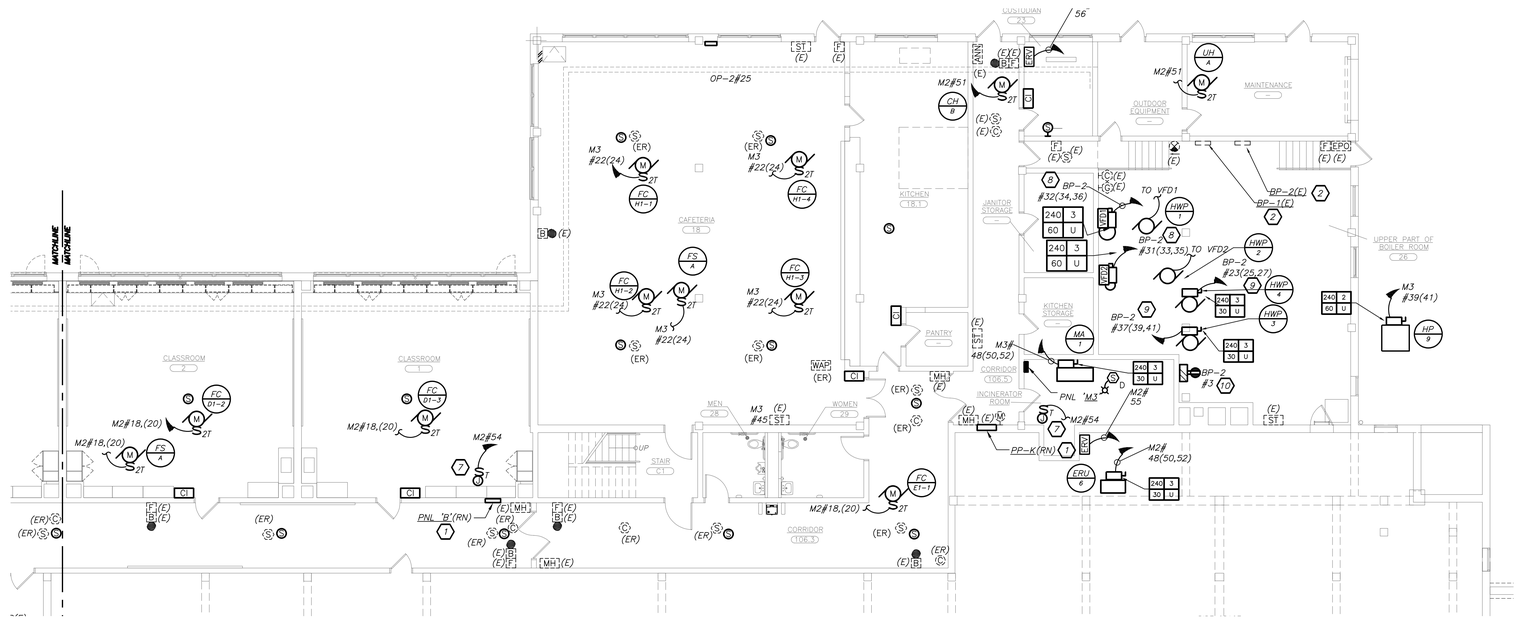
1 / E301 — 0, 8', 16' — 1/8 inch=1 foot

GENERAL NOTES:

1. REFER TO ELECTRICAL RISER DIAGRAMS ON DRAWING E501 FOR SCOPE OF WORK.
2. REFER TO PANELBOARD SCHEDULES ON DRAWINGS E601 FOR BRANCH CIRCUITING INFORMATION.
3. REFER TO DRAWINGS E700 SERIES FOR DETAILS.

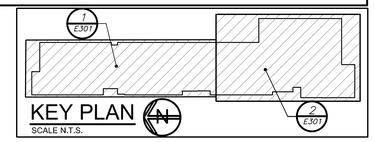
WORK NOTES:

1. ELECTRICAL CONTRACTOR SHALL DISCONNECT ALL EXISTING CIRCUITS TO REMAIN, REMOVE EXISTING INTERNAL COMPONENTS, MAINTAIN EXISTING BACKBOX AND PROVIDE NEW INTERNAL COMPENENTS. PROVIDE CUSTOM INTERNAL COMPONENTS AND COVER AS REQUIRED. PROVIDE NEW CUSTOM "DOOR-IN-DOOR" TRIM COVER. ANY DAMAGE CAUSED TO SURROUNDING WALL FINISHES SHALL BE PAIRED, PAINTED, ETC. TO MATCH EXISTING. RE-USE EXISTING CONDUITS/PATHWAY AND PROVIDE NEW FEEDERS, MATCH EXISTING FEEDER SIZE. EXTEND ALL WIRING AND CONDUIT AS NECESSARY FOR COMPLETE INSTALLATION. CONTRACTOR SHALL MATCH EXISTING CIRCUIT BREAKERS ARRANGEMENT. REFER TO DETAIL FOR CUSTOM PANELBOARD REQUIREMENTS ON DRAWING 3/E701. REFER TO REPLACEMENT PANEL SCHEDULE ON DRAWING E601. REFER TO ONE LINE DIAGRAM ON DRAWING E501 FOR FEEDER SIZES FOR BIDDING PURPOSES.
2. RE-CIRCUIT WATER HEATER IGNITION/CIRCULATOR PUMP, AND BMS FROM PANEL BP-1 TO ADJACENT PANEL BP-2. USE EXISTING (2) 20 AMP, 120V, 1 POLE CIRCUIT BREAKERS TO FEED WATER HEATER/CIRC PUMP AND BMS. PROVIDE 2#12+1#12G IN 3/4"C. UPDATE BP-2 PANELBOARD INDEX SHEET. SEE PANELBOARD SCHEDULE FOR DETAIL.
3. PROVIDE A NEW ELECTRIC MAIN DISTRIBUTION BOARD, RATED 2000 AMP, 208V/3PH 4 WIRE. REFER TO POWER RISER DIAGRAM ON DRAWING E501 AND SCHEDULES ON DRAWING E601 SERIES ON DETAILS, RATING AND SIZING.
4. PROVIDE NEW LIFE SAFETY EMERGENCY AUTOMATIC TRANSFER SWITCH (ATS#1) RATED 120/208V, 3-PHASE, 4 WIRE, 60 HZ, SOLID NEUTRAL, 40 AMPS, CUMMINS OTEC SERIES FURNISHED IN NEMA 1 ENCLOSURE MOUNTED ON WALL. REFER TO SPECIFICATION FOR ADDITIONAL INFORMATION. PROVIDE ALL REQUIRED PROVISIONS AND NECESSARY ACCESSORIES FOR A COMPLETE INSTALLATION. PROVIDE LABELING: "EMERGENCY GENERATOR TRANSFER SWITCH-ATS#1"
5. PROVIDE NEW OPTIONAL STAND BY AUTOMATIC TRANSFER SWITCH (ATS#2) RATED 120/208V, 3-PHASE, 4 WIRE, 60 HZ, SOLID NEUTRAL, 400 AMPS, CUMMINS OTEC SERIES FURNISHED IN NEMA 1 ENCLOSURE MOUNTED ON WALL. REFER TO SPECIFICATION FOR ADDITIONAL INFORMATION. PROVIDE ALL REQUIRED PROVISIONS AND NECESSARY ACCESSORIES FOR A COMPLETE INSTALLATION. PROVIDE LABELING: "OPTIONAL GENERATOR TRANSFER SWITCH-ATS#2"
6. PROVIDE NEW DIGITAL PUBLIC ADDRESS SYSTEM, SIMILAR TO BOGEN NYQUIST E7000 AS PER SPECIFICATION 26 0825. CONTRACTOR IS RESPONSIBLE TO FURNISH AND INSTALL A COMPLETE STAND-ALONE, TURN KEY SYSTEM INCLUDING POE SWITCHES, PATCH PANELS, RACK, PUNCH CORDS AND ALL PROGRAMMING. COORDINATE WITH OWNER'S IT DEPARTMENT FOR EXACT MODEL NUMBERS REQUIRED.
7. JUNCTION BOX FOR CONDENSATE PUMP MOUNTED ABOVE THE HUNG CEILING. EC TO CUT PLUG AND PROVIDE HARD WIRE CONNECTION. COORDINATE EXACT LOCATION WITH HVAC CONTRACTOR BEFORE START OF ANY WORK.
8. PROVIDE 3P-60AMP BREAKER IN THE SPACE AVAILABLE IN THE PANELBOARD BP-2. PROVIDE 3#6+1#10G - IN 1"C TO INDICATED PANELBOARD.
9. PROVIDE 3P-20AMP BREAKER IN THE SPACE AVAILABLE IN THE PANELBOARD BP-2. PROVIDE 3#12+1#12G - IN 3/4"C TO INDICATED PANELBOARD.
10. OUTLET FOR CHEMICAL FEEDER, MOUNTING HEIGHT TO BE COORDINATED ON SITE WITH HVAC CONTRACTOR BEFORE START OF ANY WORK.



PART LOWER LEVEL FLOOR PLAN
(NEW WORK)

2 / E301 — 0, 8', 16' — 1/8 inch=1 foot



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S.E.D. CONTROL NUMBER:
66-23-00-01-0-032-010

BID SCHEDULE #

PROJECT TITLE
YONKERS SCHOOL DISTRICT
PHASE 1 OF 3 FOR WINDOWS, MASONRY, HVAC AND ROOF IMPROVEMENTS & SITE WORK AT SCHOOL P.S. 32
1 MONTCLAIR PLACE, YONKERS, NY 10710

DRAWING TITLE
LOWER LEVEL POWER PLAN

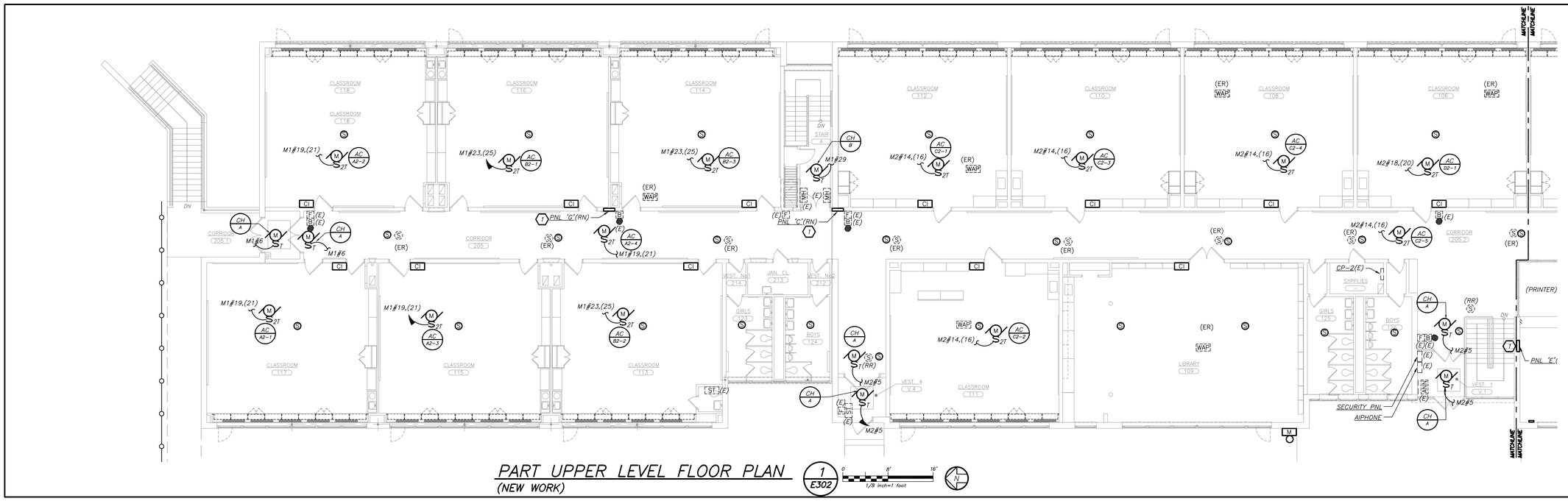
DATE	ISSUED TO
12-22-2023	BID
11-06-2020	100% C.D. SUBMISSION
06-01-2020	100% D.D. SUBMISSION
05-01-2020	50% D.D. SUBMISSION

SHEET SIZE 30"x42" | DRAWING NO. E301
SCALE AS NOTED
DRAWN BY BGA | FILE NO. 19360.00

BEFORE FABRICATION THIS CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AND CONDITIONS ON JOB AND COORDINATE HIS WORK WITH THE WORK OF ALL OTHER CONTRACTORS

PLOT DATE: December 20, 2023 - 5:29pm

FILE: Y:\YONKERS PUBLIC SCHOOLS\YPS - School 32 - Renovations (1948.00)\Drawings\Electrical\194800E301.dwg



PART UPPER LEVEL FLOOR PLAN
(NEW WORK)

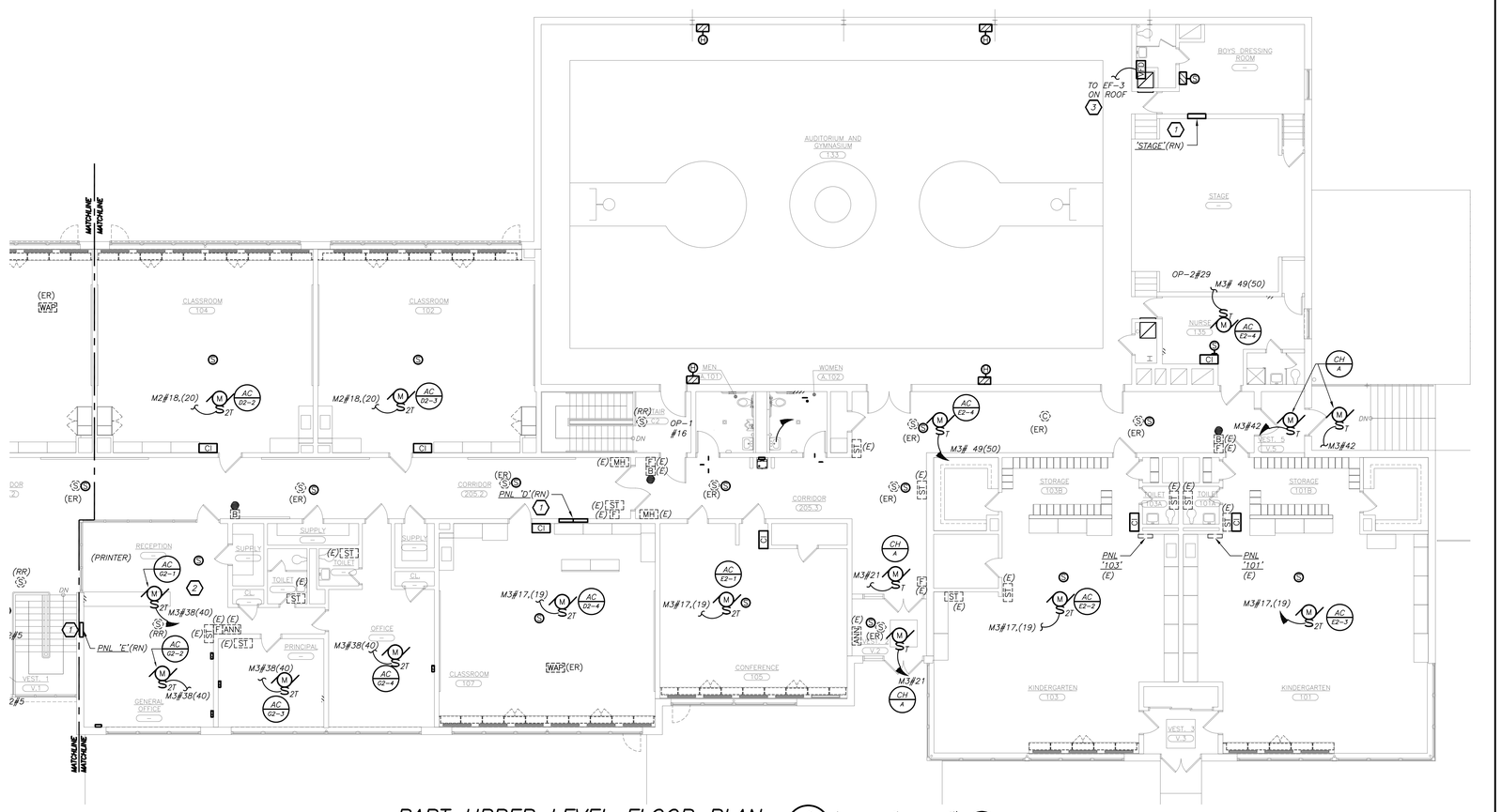
1 / E302 — 0, 8', 16' — 1/8 inch=1 foot

GENERAL NOTES:

1. REFER TO ELECTRICAL RISER DIAGRAMS ON DRAWING E501 FOR SCOPE OF WORK.
2. REFER TO PANELBOARD SCHEDULES ON DRAWINGS E601 FOR BRANCH CIRCUITING INFORMATION.
3. REFER TO DRAWINGS E700 SERIES FOR DETAILS.
4. CONTRACTOR TO COORDINATE EXACT LOCATION OF ALL RECEPTACLES IN CLASSROOMS, OFFICES, AND CONFERENCE ROOMS WITH OWNER BEFORE START OF ANY WORK.
5. COORDINATE EXACT HAND DRYER LOCATION IN EACH BATHROOM WITH ARCHITECT BEFORE START OF ANY WORK.

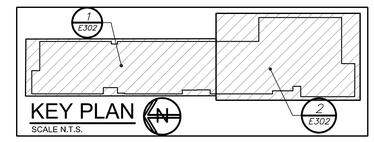
WORK NOTES:

1. ELECTRICAL CONTRACTOR SHALL DISCONNECT ALL EXISTING CIRCUITS TO REMAIN, REMOVE EXISTING INTERNAL COMPONENTS, MAINTAIN EXISTING BACKBOX AND PROVIDE NEW INTERNAL COMPENENTS. PROVIDE CUSTOM INTERNAL COMPONENTS AND COVER AS REQUIRED. PROVIDE NEW CUSTOM 'DOOR-IN-DOOR' TRIM COVER. ANY DAMAGE CAUSED TO SURROUNDING WALL FINISHES SHALL BE PAIRED, PAINTED, ETC. TO MATCH EXISTING. RE-USE EXISTING CONDUITS/PATHWAY AND PROVIDE NEW FEEDERS, MATCH EXISTING FEEDER SIZE. EXTEND ALL WIRING AND CONDUIT AS NECESSARY FOR COMPLETE INSTALLATION. CONTRACTOR SHALL MATCH EXISTING CIRCUIT BREAKERS ARRANGEMENT. REFER TO DETAIL FOR CUSTOM PANELBOARD REQUIREMENTS ON DRAWING 3/E701. REFER TO REPLACEMENT PANEL SCHEDULE ON DRAWING E601.
2. CONTRACTOR TO PROVIDE TOTAL OF (3) ADMIN PHONES, BOGEN MODEL #NQ-T1100, AND (2) STAFF PHONES, BOGEN MODEL #NQ-T1001 IN THE MAIN OFFICE. INCLUDE CAT 6 WIRING TO PA HEAD END RACK DOWN STAIRS. CONFIRM EXACT LOCATION BEFORE START OF WORK.
3. NEW VFD FOR EF-3. EC TO PROVIDE WIRING TO VFD. COORDINATE EXACT LOCATION WITH HVAC CONTRACTOR.



PART UPPER LEVEL FLOOR PLAN
(NEW WORK)

2 / E302 — 0, 8', 16' — 1/8 inch=1 foot



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S.E.D. CONTROL NUMBER:
66-23-00-01-0-032-010

BID SCHEDULE #

PROJECT TITLE
YONKERS SCHOOL DISTRICT
PHASE 1 OF 3 FOR WINDOWS, MASONRY, INTERIOR IMPROVEMENTS & SITE WORK
AT SCHOOL: P.S. 32
1 MONTCLAIR PLACE, YONKERS, NY 10710

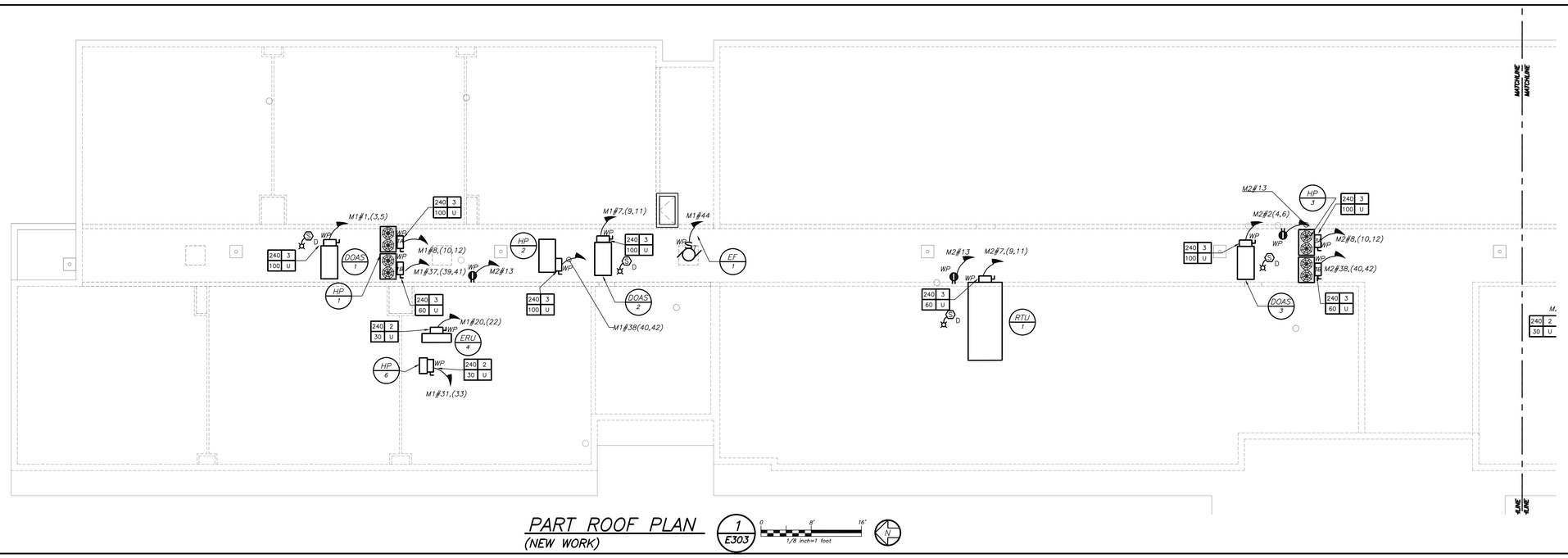
DRAWING TITLE
UPPER LEVEL POWER PLAN

DATE	ISSUED TO
12-23-2023	BID
11-06-2020	100% C.D. SUBMISSION
06-01-2020	100% D.D. SUBMISSION
05-01-2020	50% D.D. SUBMISSION

SHEET SIZE 30"x42"	DRAWING NO. E302
SCALE AS NOTED	
DRAWN BY BGA	FILE NO. 19360.00

PLOT DATE: December 20, 2023 - 5:43pm

FILE: Y:\YONKERS PUBLIC SCHOOLS\YPS - School 32 - Renovations (1948.00)\Drawings\Electrical\194800E302.dwg



PART ROOF PLAN
(NEW WORK)

1 / E303

0 8' 16'
1/8 inch=1 foot

PART ROOF PLAN
(NEW WORK)

2 / E303

0 8' 16'
1/8 inch=1 foot

KEY PLAN
SCALE N.T.S.

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S.E.D. CONTROL NUMBER:
66-23-00-01-0-032-010

BID SCHEDULE #

PROJECT FOR:
YONKERS SCHOOL DISTRICT
PHASE 1 OF 3 FOR WINDOWS, MASONRY, INTERIOR WORK, ROOF REPLACEMENTS & SITE WORK
AT SCHOOL: P.S. 32
1 MONTCLAIR PLACE, YONKERS, NY 10710

DRAWING TITLE
ROOF POWER PLAN

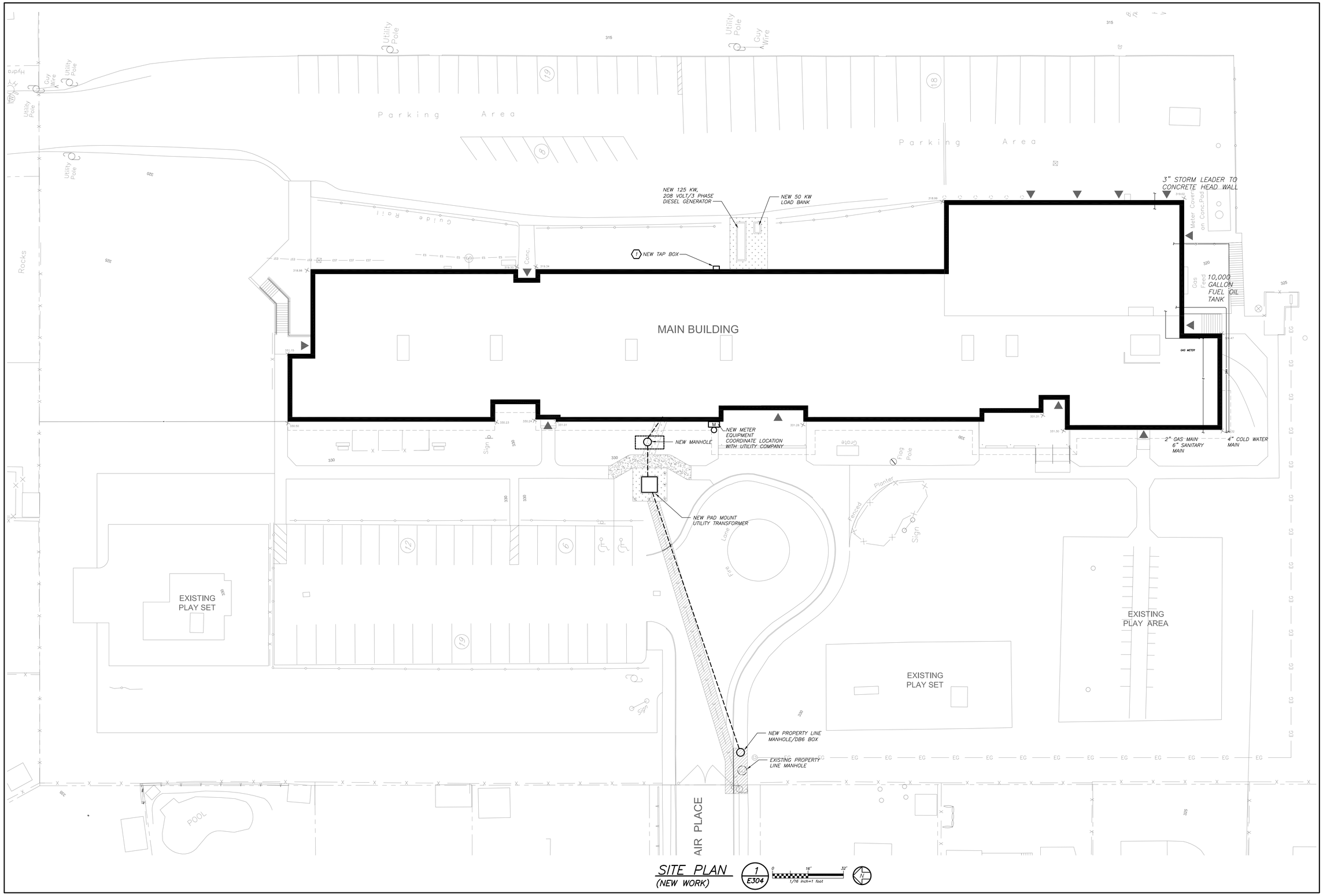
DATE	ISSUED TO
12-23-2023	BID
11-06-2020	100% C.D. SUBMISSION
06-01-2020	100% D.D. SUBMISSION
05-01-2020	50% D.D. SUBMISSION

SHEET SIZE 30"x42"	DRAWING NO. E303
SCALE AS NOTED	
DRAWN BY BGA	FILE NO. 19360.00

BEFORE FABRICATION THIS CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AND CONDITIONS ON JOB AND COORDINATE HIS WORK WITH THE WORK OF ALL OTHER CONTRACTORS

PLOT DATE: December 20, 2023 - 5:43pm

FILE: Y:\YONKERS PUBLIC SCHOOLS\YPS - School 32 - Renovations (1948.00)\Drawings\Electrical\194800E303.dwg



SITE PLAN (NEW WORK) — 1 / E304 — 0, 16', 32' — 1/16 inch=1 foot

GENERAL NOTES:

1. REFER TO DRAWING E001 FOR LEGEND AND E602 FOR LIGHTING FIXTURE SCHEDULE.
2. REFER TO DRAWING E501 FOR POWER RISER DIAGRAM AND SCOPE OF WORK.
3. SET LIGHTING CONTROL SENSORS TO HIGHEST SENSITIVITY AVAILABLE PRIOR TO INSTALLATION.

WORK NOTES:

(1) PROVIDE NEW CUSTOM TAP BOX WITH KIRK-KEY FOR ROLL-UP GENERATOR CONNECTION TO LIFE SAFETY ATS. SEE DRAWING E501 FOR DETAILS AND SPECIFICATION.

KEY PLAN — SCALE N.T.S.

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S.E.D. CONTROL NUMBER:
66-23-00-01-0-032-010

BID SCHEDULE #

PROJECT TITLE: YONKERS SCHOOL DISTRICT PHASE 1 OF 3 FOR WINDOWS, MASONRY, INTERIOR IMPROVEMENTS & SITE WORK AT SCHOOL P.S. 32 1 MONTICLAR PLACE, YONKERS, NY 10710

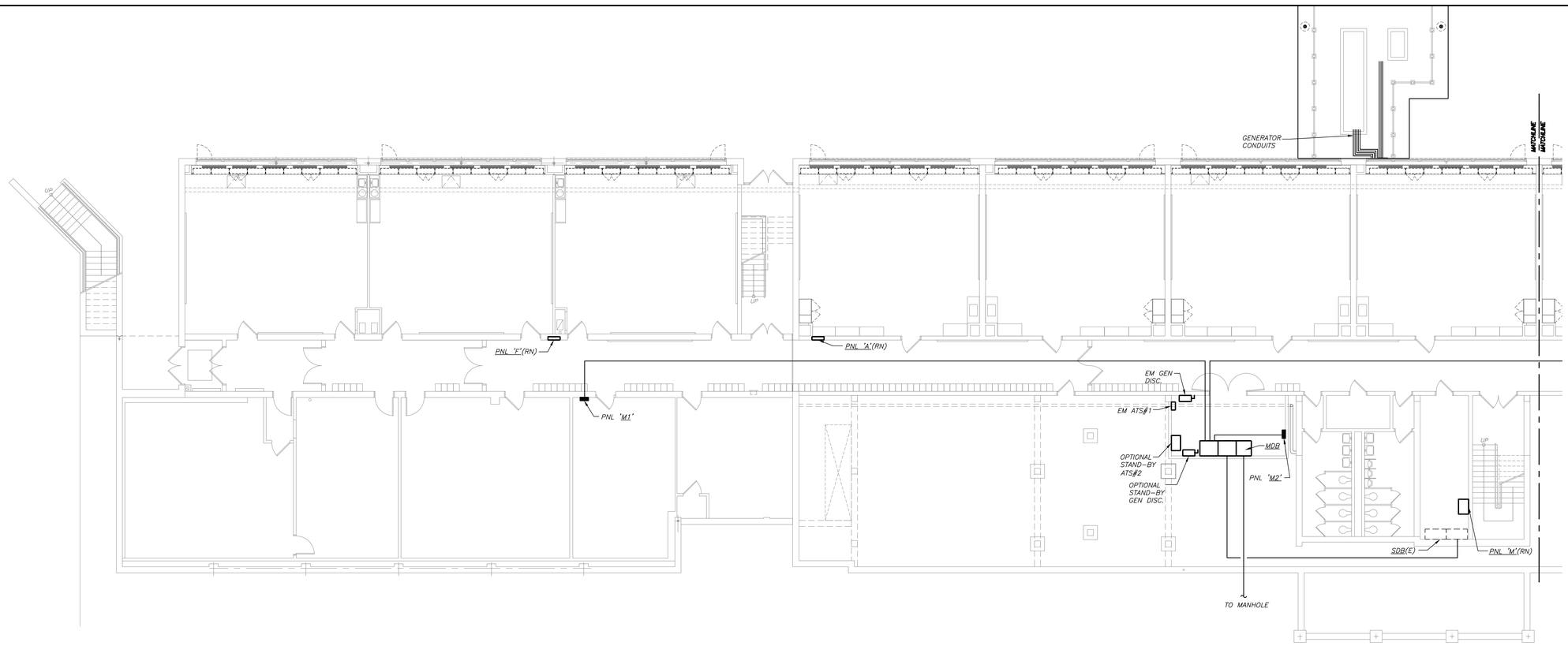
DRAWING TITLE: SITE UTILITY PLAN

DATE	ISSUED TO
12-22-2023	BID
11-06-2020	100% C.D. SUBMISSION
06-01-2020	100% D.D. SUBMISSION
05-01-2020	50% D.D. SUBMISSION

SHEET SIZE: 30"x42"
DRAWING NO.: E304
SCALE: AS NOTED
DRAWN BY: BGA
FILE NO.: 19360.00

PLOT DATE: December 20, 2023 - 5:43pm

FILE: Y:\YONKERS PUBLIC SCHOOLS\YPS - School 32 - Renovations (1948.00)\Drawings\Electrical\194800E304.dwg

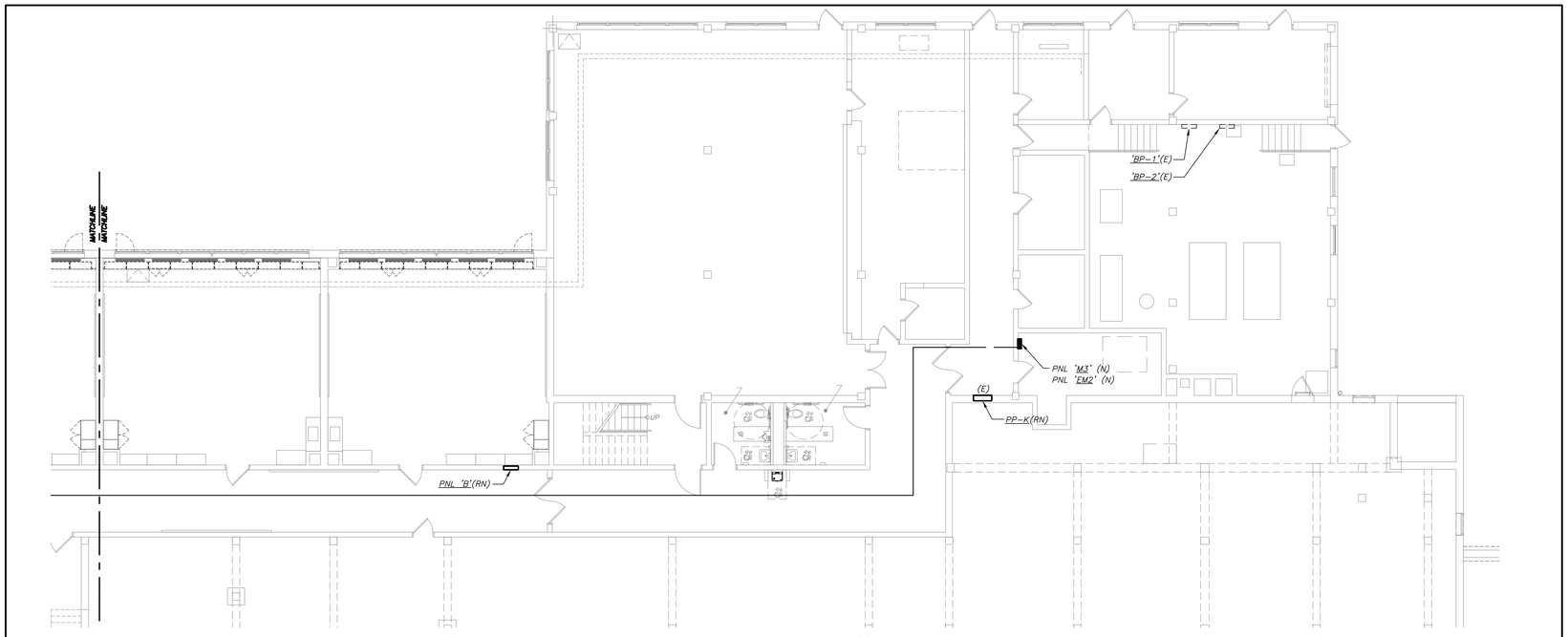


PART LOWER LEVEL FLOOR PLAN (NEW WORK)

1 / E305 — 0, 8', 16' — 1/8 inch=1 foot

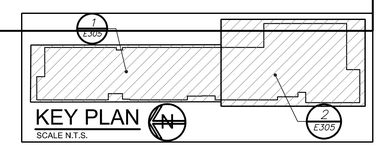
GENERAL NOTES:

1. REFER TO ELECTRICAL RISER DIAGRAMS ON DRAWING E501 FOR ALL FEEDER SIZES.
2. FEEDER CONDUIT ROUTING SHOWN FOR REFERENCE AND INFORMATIONAL PURPOSES ONLY.



PART LOWER LEVEL FLOOR PLAN (NEW WORK)

2 / E305 — 0, 8', 16' — 1/8 inch=1 foot



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S.E.D. CONTROL NUMBER:
66-23-00-01-0-032-010

BID SCHEDULE #

PROJECT TITLE
YONKERS SCHOOL DISTRICT
PHASE 1 OF 3 FOR WINDOWS, MASONRY, MISCELLANEOUS IMPROVEMENTS & SITE WORK AT SCHOOL P.S. 32
1 MONTCLAIR PLACE, YONKERS, NY 10710

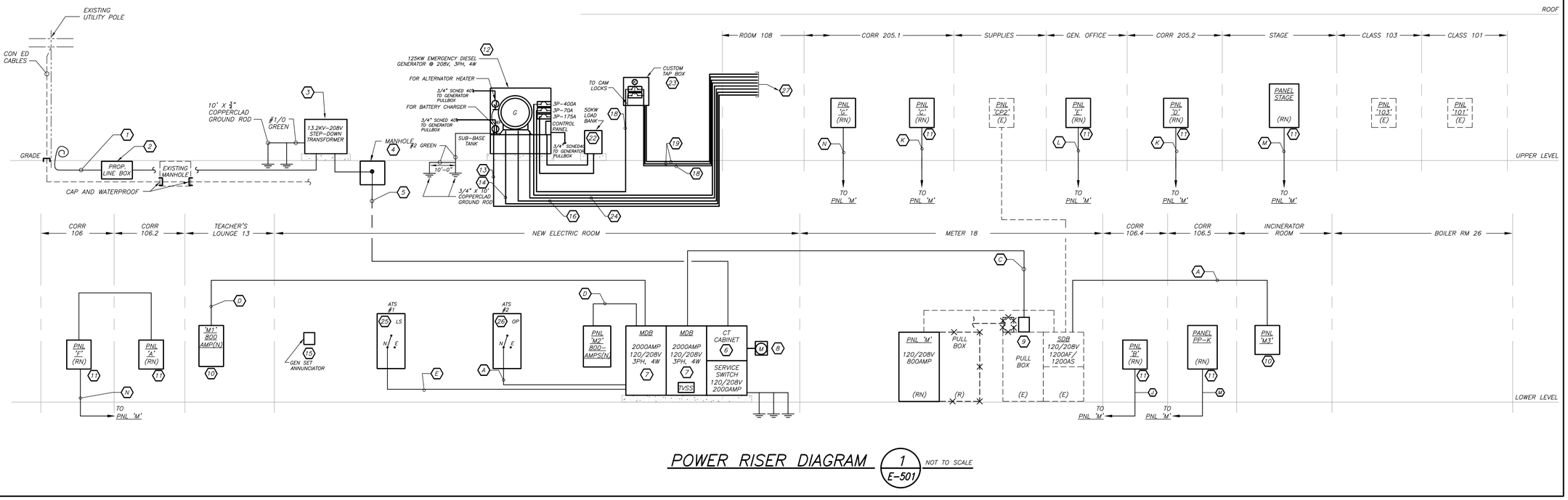
DRAWING TITLE
ELECTRICAL FEEDER ROUTING PLAN

DATE	ISSUED TO
12-22-2023	BID
11-06-2020	100% C.D. SUBMISSION
06-01-2020	100% D.D. SUBMISSION
05-01-2020	50% D.D. SUBMISSION

SHEET SIZE	DRAWING NO.
30"x42"	E305
SCALE: AS NOTED	
DRAWN BY: BGA	FILE NO. 19360.00

PLOT DATE: December 20, 2023 - 5:41pm

FILE: Y:\YONKERS PUBLIC SCHOOLS\YPS - School 32 - Renovations (1948.00)\Drawings\Electrical\1948000E305.dwg



POWER RISER DIAGRAM (1 / E-501) NOT TO SCALE

PARTIAL FIRE ALARM RISER DIAGRAM (2 / E501) N.T.S.

FIRE ALARM RISER GENERAL NOTES:

1. FIRE ALARM WIRING DIAGRAMS SHOWN ARE FOR GENERAL ARRANGEMENT ONLY. ELECTRICAL CONTRACTOR SHALL VERIFY AND OBTAIN POINT TO POINT WIRING DIAGRAM PRIOR TO INSTALLATION FROM MANUFACTURER.
2. PERMITS AND APPROVALS NECESSARY FOR INSTALLATION OF THE WORK SHALL BE OBTAINED PRIOR TO THE COMMENCEMENT OF THE WORK. ALL PERMIT COSTS AND INSPECTION FEES SHALL BE INCLUDED AS PART OF THIS CONTRACT.
3. IN AREAS WHERE DUST AND DIRT WILL BE AIRBORNE DURING DEMOLITION AND CONSTRUCTION THE CONTRACTOR SHALL PROVIDE PLASTIC WRAP OVER SMOKE DETECTORS AND THEN REMOVE ONCE SPACE IS CLEAN.
4. UNLESS DIRECTED OTHERWISE BY FIRE ALARM SYSTEM MANUFACTURER FIRE ALARM DEVICE WIRING SHALL BE AS FOLLOWS (FOR BIDDING PURPOSES ONLY):

   STROBE WIRING – #14 AWG TWISTED
   SIGNAL WIRING – #14 AWG TWISTED/SHIELDED

   THE WIRING SHALL HAVE THE FOLLOWING CHARACTERISTICS:
   A. A MINIMUM TEMPERATURE RATING OF 150 C
   B. A MINIMUM AVERAGE INSULATION THICKNESS OF 15 MILS
   C. A MINIMUM AVERAGE JACKET THICKNESS OF 25 MILS
   D. THE COLOR OF THE CABLE SHALL BE RED
   E. THE CABLE SHALL BE A TYPE FPLP (PLENUM TYPE) WHEN CONDUIT IS USED. SEE NOTE 5 FOR ADDITIONAL CLARIFICATION.
   F. THE CABLE SHALL BE VISIBLY MARKED EXTERNALLY THAT IT MEETS THE ABOVE REQUIREMENTS AND IS LISTED BY UL.

   CONFIRM WIRING TYPE AND QUANTITY WITH FIRE ALARM SYSTEM MANUFACTURER PRIOR TO PURCHASING.
5. PROVIDE MC FIRE ALARM CABLE WITH RED STRIPE AS MANUFACTURED BY AFC SERIES 1800 WHEN CABLE IS CONCEALED OR ABOVE HUNG CEILING. WHEN FIRE ALARM CABLE IS RUN EXPOSED IN FINISHED AREAS, CABLE SHALL RUN IN WIREMOLD V-700. WHEN FIRE ALARM CABLE IS RUN EXPOSED IN UNFINISHED AREAS, PROVIDE PLENUM RATED CABLE IN MIN. 3/4" CONDUIT.
6. SHUTDOWN OF HVAC SYSTEM EQUIPMENT (NOT LIMITED TO, ROOF TOP, EXHAUST FANS, ETC.) OF 2000 CFM OR GREATER, SHALL BE PERFORMED VIA A RELAY INTERFACE SYSTEM. SEND SIGNAL TO BUILDING AUTOMATED TEMPERATURE CONTROL (ATC) SYSTEM INDICATING SHUTDOWN HAS OCCURRED. EQUIPMENT RESTART SHALL BE BY BUILDING 'ATC' SYSTEM UPON FIRE ALARM RESET TO NORMAL MODE. RESTART OF EQUIPMENT SHALL BE SEQUENTIAL.
7. AFTER THE SYSTEM IS COMPLETE, TEST ALL COMPONENTS IN ACCORDANCE WITH SEQUENCE OF OPERATION PRIOR TO FIRE DEPARTMENT INSPECTION.
8. COORDINATE F.A WORK WITH F.A VENDOR.
9. VERIFY EXACT QUANTITIES OF FIRE ALARM DEVICES WITH PLANS.
10. ALL DEVICES SHALL BE SUPERVISED AS PER N.F.P.A. 72. PROVIDE END OF LINE RESISTORS AS REQUIRED PER INDIVIDUAL MANUFACTURER. PROVIDE LOAD RELAYS AS REQUIRED FOR PROPER OPERATION OF EQUIPMENT.
11. THIS CONTRACTOR IS RESPONSIBLE FOR ALL PROGRAMMING AND MAPPING OF EACH DEVICE AS REQUIRED.

FIRE ALARM RISER WORK NOTES:

(7) EXISTING FIRE ALARM CONTROL PANEL (SIEMENS) LOCATED IN LOWER LEVEL ELECTRIC ROOM. PROVIDE COMMUNICATION CARDS, POWER SUPPLIES, CONTROLLERS, RELAYS, AND SWITCH MODULES AS REQUIRED AND NECESSARY AS PART OF EXPANSION COMPONENTS. CONTRACTOR TO PROVIDE ALL REQUIRED PROVISIONS AND NECESSARY ACCESSORIES FOR A COMPLETE INSTALLATION. INCLUDE UPDATING DATA BASE, PROGRAMMING AND TESTING.

WORK NOTES:

(1) ELECTRICAL CONTRACTOR SHALL PROVIDE A NEW RISER WITH 3–15KV 1/C, 1/0 ALUMINUM CABLE SPEC. #7238AEJ IN 4" RIGID GALVANIZED STEEL CONDUIT FROM 10'–0" AFF ON POLE TO 5'–0" AWAY FROM POLE. TRANSITION TO 4" HDPE CONDUIT AND A 2/0 BARE COPPER NEUTRAL TO BE INSTALLED IN SAME TRENCH WITH PRIMARY CABLE FROM EXISTING UTILITY POLE TO NEW TRANSFORMER AS PER CON ED REQUIREMENTS. CONDUIT SHALL BE PLACED UNDERGROUND WITH SAND BEDDING, BURIED A MINIMUM 24" BELOW GRADE. PROVIDE CLEAN FILL FREE OF STONES LARGER THAN 1", ROOTS, DEBRIS, ETC. COORDINATE WITH UTILITY COMPANY BEFORE THE START OF ANY WORK. MARKER TAPE SHALL BE PLACED 12" BELOW GRADE LABELED "HIGH VOLTAGE". CONCRETE ENCASE ACROSS ROADWAY. PROVIDE ALL REQUIRED AND NECESSARY ACCESSORIES FOR PROPER CONNECTION (EX. COMPRESSION FITTINGS, BUSHINGS, ETC.). UTILIZE CLAY SEAL FOR ALL CONDUITS ON ENDS (MANHOLES, TRANSFORMER, ETC.) TO PREVENT WATER INFILTRATION INTO BUILDING. BEFORE THE START OF ANY WORK THIS CONTRACTOR SHALL BE RESPONSIBLE TO HAVE ALL EXISTING UTILITIES MARKING PERFORMED IN THE AREA OF ALL WORK BEING PERFORMED BY THIS CONTRACT. THIS INCLUDES AND NOT LIMITED TO ELECTRICAL, WATER, SEWER, STORM, ETC. REFER TO SPECIFICATION FOR ADDITIONAL INFORMATION.

(2) PROVIDE PROPERTY LINE MANHOLE DB6 PER CON ED REQUIREMENT. PROVIDE ONE (1) 4" SPARE CONDUIT FROM PROPERTY LINE BOX TO PAD MOUNTED TRANSFORMER.

(3) NEW 30, 4W 13.2KV PRIMARY/120/208V SECONDARY PAD MOUNTED UTILITY TRANSFORMER, FURNISHED BY UTILITY COMPANY AND INSTALLED BY ELECTRICAL CONTRACTOR. ALL FINAL CONNECTIONS OF PRIMARY AND SECONDARY CABLES TO UTILITY TRANSFORMER SHALL BE DONE BY THIS CONTRACTOR. DURING THE TIME FRAME OF ELECTRIC SERVICE SHUTDOWN THIS CONTRACTOR SHALL PROVIDE A 60KW TEMPORARY GENERATOR TO KEEP THE BUILDING OPERATIONAL AS DIRECTED BY SCHOOL DISTRICT. INCLUDE IN THIS ALL UTILITY COST OF PART OF THIS CONTRACT. COORDINATE ALL SHUTDOWNS WITH CON ED, SCHOOL DISTRICT, CONSTRUCTION MANAGER OF THE WORKS AND ARCHITECT/ENGINEER. REFER TO SPECIFICATION FOR ADDITIONAL INFORMATION.

(4) PROVIDE NEW MANHOLE AND CRABS FOR SECONDARY CONNECTIONS FOR SIX (6) SETS OF 4#500KCMIL AS REQUIRED AND NECESSARY.

(5) PROVIDE SIX (6) SETS OF 4#500KCMIL IN TYPE XHHW 4" CONDUIT AND ONE (1) SPARE 4" CONDUIT FROM TRANSFORMER TO BUILDING. PROVIDE 4" RIGID GALVANIZED STEEL (RGS) CONDUIT FROM TRANSFORMER UP TO 5' AWAY AND THEN TRANSITION TO HDPE CONDUIT 5'–0" BEFORE ENTERING BUILDING CONDUIT SHALL TRANSITION BACK TO RIGID STEEL CONDUIT. CONDUIT SHALL BE BURIED 24" BELOW GRADE. BEFORE THE START OF ANY WORK THIS CONTRACTOR SHALL BE RESPONSIBLE TO HAVE ALL EXISTING UTILITIES MARKING PERFORMED IN THE AREA OF ALL WORK BEING PERFORMED BY THIS CONTRACT. THIS INCLUDES AND NOT LIMITED TO ELECTRICAL, WATER, SEWER, STORM, ETC. PROVIDE LINK SEAL FOR CONDUIT INSTALLATION THROUGH EXTERIOR BUILDING WALL. REFER TO NOTE 1 ABOVE FOR BACKFILL REQUIREMENTS.

(6) PROVIDE NEW 120/208V, 2000 AMP, 3 PHASE, 4 WIRE C/T CABINET. COORDINATE WITH UTILITY COMPANY BEFORE THE START OF ANY WORK ALL REQUIREMENTS ASSOCIATED WITH C/T'S AND METERING EQUIPMENT.

(7) PROVIDE NEW 2000 AMP, 120/208V, 3 PHASE, 4 WIRE SERVICE DISCONNECT SWITCH AND 2000 AMP, 120/208V, 3 PHASE, 4 WIRE DISTRIBUTION BOARD RATED FOR 100,000 AIC WITH TVSS. PROVIDE 2"X1/4" GROUND COPPER BUS THE FULL LENGTH OF THE TOTAL BOARD SECTIONS. PROVIDE ONE 250KCMIL GROUND IN 1 1/4" CONDUIT TO STREET SIDE OF MAIN COLD WATER VALVE. REFER TO DETAILS FOR ADDITIONAL INFORMATION. PROVIDE TVSS MODEL#TK–ST300–3120B–L BY TOTAL PROTECTION SOLUTION OR APPROVED EQUAL.

(8) PROVIDE NEW EXTERIOR GRADE UTILITY METER. METER SHALL BE INSTALL ON THE EXTERIOR WALL NOT FURTHER THEN 50 FEET OF THE CT CABINET. COORDINATE WITH CONED AND ARCHITECT BEFORE THE START OF ANY WORK.

(9) PROVIDE FEEDER AND CONDUIT SIZED AS INDICATED ALONG WITH REQUIRED PULL BOXES FROM NEW MOB TO EXISTING DISTRIBUTION BOARD "SDB". DISCONNECT EXISTING C/T'S AND METERING EQUIPMENT AND RETURN TO CON ED ONCE THE ELECTRIC SERVICE EQUIPMENT IS 100% OPERATIONAL. PROVIDE NEW NAME PLAQUE "SDB" FOR THE DISTRIBUTION BOARD. CUT AND CAP EXISTING FEEDER AND CONDUIT.

(10) PROVIDE NEW 120/208V PANELBOARD. REFER TO PANEL SCHEDULE FOR PANEL SIZE, TYPE AND CIRCUIT BREAKER ARRANGEMENT.

(11) ELECTRICAL CONTRACTOR SHALL DISCONNECT ALL EXISTING CIRCUITS TO REMAIN, REMOVE EXISTING INTERNAL COMPONENTS, MAINTAIN EXISTING BACKBOX AND PROVIDE NEW INTERNAL COMPENENTS. PROVIDE CUSTOM INTERNAL COMPONENTS AND COVER AS REQUIRED. PROVIDE NEW CUSTOM "DOOR-IN-DOOR" TRIM COVER. ANY DAMAGE CAUSED TO SURROUNDING WALL FINISHES SHALL BE PAIRED, PAINTED, ETC. TO MATCH EXISTING. RE–USE EXISTING CONDUITS/PATHWAY AND PROVIDE NEW FEEDERS. REFERENCED FEEDER SIZE FOR BIDDING PURPOSES ONLY, CONTRACTOR TO MATCH EXISTING FEEDER SIZE. EXTEND ALL WIRING AND CONDUIT AS NECESSARY FOR COMPLETE INSTALLATION. CONTRACTOR SHALL MATCH EXISTING CIRCUIT BREAKERS ARRANGEMENT. REFER TO DETAIL FOR CUSTOM PANELBOARD REQUIREMENTS ON DRAWING 3/E701. REFER TO REPLACEMENT PANEL SCHEDULE ON DRAWING E601.

(12) PROVIDE NEW 125 KW DIESEL GENERATOR AT 208V, 3 PHASE, 4 WIRE, IN 72 dBA @23' SOUND–ATTENUATED, WEATHER PROTECTIVE ENCLOSURE. SIMILAR TO CUMMINS MODEL C125D6C. PROVIDE CONCRETE PAD AS SHOWN, COORDINATE EXACT LOCATION IN FIELD. THERE SHALL BE A 6" LIP OF CONCRETE PAD AROUND THE ENTIRE PERIMETER OF THE GENERATOR ENCLOSURE. CONTRACTOR SHALL INSTALL ALL COMPONENTS AND WIRING AS PER MANUFACTURER REQUIREMENTS. REFER TO SPECIFICATION FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

(13) PROVIDE NEW 1" RGS CONDUIT IN GROUND TO ABOVE CEILING IN ROOM 3 (FOR GENERATOR BRANCH CIRCUIT).

(14) PROVIDE NEW 3/4" RGS CONDUIT IN GROUND TO ABOVE CEILING IN ROOM 3 ((FOR DC POWER TO OPTIONAL ATS).

(15) PROVIDE NEW GENERATOR REMOTE ANNUNCIATOR AS INDICATED. COORDINATE WITH OWNER FOR THE EXACT MOUNTING LOCATION BEFORE THE START OF ANY WORK.

(16) PROVIDE NEW 3/4" RGS CONDUIT IN GROUND TO ABOVE CEILING IN ROOM 3 (FOR REMOTE ANNUCIATOR TO GENERATOR CONNECTION).

(17) PROVIDE NEW 3–1/2" RGS CONDUIT IN GROUND TO ABOVE CEILING IN ROOM 3 (FOR STANDBY ATS POWER WIRING)

(18) PROVIDE NEW 1–1/4" RGS CONDUIT IN GROUND FROM GENERATOR TO CUSTOM TAP BOX AND FROM CUSTOM TAP BOX TO EXTERIOR PULLBOX (FOR LIFE SAFETY ATS POWER WIRING)

(19) PROVIDE 3/4" RGS IN GROUND TO ABOVE CEILING IN ROOM 3 (POWER CIRCUIT OF TAP BOX)

(20) PROVIDE 3/4" RGS CONDUIT IN GROUND TO ABOVE CEILING IN ROOM 3 (FOR CONTROL WIRING)

(21) PROVIDE 2" RGS CONDUIT IN GROUND TO ABOVE CEILING IN ROOM 3 (POWER FEED FOR TAP BOX)

WORK NOTES:

(22) PROVIDE A NEW 50 KW, 208V, 3 PHASE, 60 HZ LOAD BANK FOR GENERATOR, SIMILAR TO ASCO MODEL 4100, WITH NEMA 4 TYPE CONTROL PANEL. PROVIDE CONCRETE PAD AS SHOWN.

(23) PROVIDE NEMA 4X STAINLESS STEEL, WEATHER PROOF CUSTOM TAP BOX (HAMMOND MANUFACTURING) FOR 20 KW ROLL–UP GENERATOR CONNECTION. PROVIDE THE FOLLOWING IN THE CUSTOM TAP BOX: (2) 40 AMP, 208V, 3 POLE MOLDED CASE BREAKERS WITH INTERLOCKS KIRK–KEY SIMILAR TO TYPE F ISOLATION INTERLOCK (FLAT MOUNTED), WITH 1 KEY TO OPERATE THE SYSTEM WHICH ALLOWS ONLY ONE BREAKER ON AT ANY ONE TIME. PROVIDE (5) MALE CAM LOCKS, 3 HOT, 1 NUETRAL AND 1 GROUND (LEVITON RHINO–HIDE 15R21–U) AT THE BOTTOM OF THE BOX, 4#8+1#10G FROM BREAKER TO CAM LOCKS. PROVIDE INTERNAL STRIP HEATER (HAMMOND MANUFACTURING, 15W), THERMOSTATS (HAMMOND MANUFACTURING SKT SERIES), TERMINAL TO EXTEND GENERATOR START CIRCUIT WIRING, TERMINAL TO EXTEND A 20A, 120V CIRCUIT FOR BLOCK HEATER, AND TERMINAL TO EXTEND A 20A, 120V CIRCUIT FOR BATTERY CHARGER.

(24) PROVIDE NEW 1" RGS CONDUIT IN GROUND TO ABOVE CEILING IN ROOM 3(FOR DC POWER TO LIFE SAFETY ATS).

(25) PROVIDE NEW LIFE SAFETY EMERGENCY AUTOMATIC TRANSFER SWITCH (ATS#1) RATED 120/208V, 3–PHASE, 4 WIRE, 60 HZ, SOLID NEUTRAL, 70 AMPS, CUMMINS OTEC SERIES FURNISHED IN NEMA 1 ENCLOSURE MOUNTED ON WALL. REFER TO SPECIFICATION FOR ADDITIONAL INFORMATION. PROVIDE ALL REQUIRED PROVISIONS AND NECESSARY ACCESSORIES FOR A COMPLETE INSTALLATION. PROVIDE NAMEPLATE: "EMERGENCY GENERATOR TRANSFER SWITCH–ATS#1"

(26) PROVIDE NEW OPTIONAL AUTOMATIC TRANSFER SWITCH (ATS#2) RATED 120/208V, 3–PHASE, 4 WIRE, 60 HZ, SOLID NEUTRAL, 400 AMPS, CUMMINS OTEC SERIES FURNISHED IN NEMA 1 ENCLOSURE MOUNTED ON WALL. REFER TO SPECIFICATION FOR ADDITIONAL INFORMATION. PROVIDE ALL REQUIRED PROVISIONS AND NECESSARY ACCESSORIES FOR A COMPLETE INSTALLATION. PROVIDE NAME PLATE: "OPTIONAL GENERATOR TRANSFER SWITCH–ATS#2"

(27) ALL EMPTY CONDUITS WITH DRAGLINE FROM GENERATOR AND LOAD BANK SHALL BE ROUTED TO ABOVE CEILING IN ROOM 3 FOR FUTURE USE. PROVIDE ALL FITTINGS AND SUPPORTS FOR THE CONDUIT ABOVE CEILING AS REQUIRED.

FEEDER SCHEDULE:

(A) 4#500KCMIL + 1#3G IN 4"C.
(B) 4#300KCMIL + 1#3G IN 3"C.
(C) 4 SETS OF 4#350KCMIL + 1#3/0G IN 3"C.
(D) 2 SETS OF 4#500KCMIL + 1#3G IN 4"C.
(E) 4#4 + 1#8G IN 1 1/4"C.
(F) 4#4/0 + 1#4G IN 2 1/2"C.
(G) 4#6 + 1#8G IN 1"C.
(H) 4#2/0 + 1#6G IN 2"C.
(K) 4#1/0 + 1#6G IN EXISTING C.
(L) 4#6 + 1#10G IN EXISTING C.
(M) 4#250KCMIL +1#4G IN EXISTING C.
(N) 4#2 + 1#8G IN EXISTING C.

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S.E.D. CONTROL NUMBER:
66-23-00-01-0-032-010

BID SCHEDULE #

PROJECT TITLE
YONKERS SCHOOL DISTRICT
PHASE 1 OF 3 FOR WINDOWS, MASONRY, MISC. METALS & ROOF REPLACEMENTS & SITE WORK AT SCHOOL P.S. 32
1 MONTCLAIR PLACE, YONKERS, NY 10710

DRAWING TITLE
ELECTRICAL POWER RISER DIAGRAMS

DATE	ISSUED TO
12-15-2023	PROGRESS FOR BID
11-06-2020	100% C.D. SUBMISSION
06-01-2020	100% D.D. SUBMISSION
05-01-2020	50% D.D. SUBMISSION

SHEET SIZE 30"x42" | DRAWING NO. E501
SCALE AS NOTED
DRAWN BY BGA | FILE NO. 19360.00

PLOT DATE: December 20, 2023 – 5:45pm

FILE: Y:\YONKERS PUBLIC SCHOOLS\YPS – School 32 – Renovations (1948.00)\Drawings\Electrical\194800E501.dwg

PANEL DESIGNATION: MAIN DISTRIBUTION (MDB)		MOUNTING: SURFACE	
SUPPLY CHARACTERISTIC: 120/208 VOLTS, 3 PHASE, 4 WIRES			
MAIN BUS RATING: 2000 AMPS	NEUTRAL: FULL SIZE	SCR: 100,000	
	USAGE: MAIN SERVICE DISTRIBUTION		

CKT NO.	FUSED SWITCH			EQUIPMENT	WIRE	COND.	LOAD
	FRAME SIZE	POLES "N"=NEUT. BAR CONNECTION	SWITCH SIZE				
1	1200	3+N	1200	SDB	SEE ONE LINE	–	SEE PNL
2	800	3+N	600	PNL M-2	SEE ONE LINE	–	SEE PNL
3	800	3+N	600	PNL M-1	SEE ONE LINE	–	SEE PNL
4	400	3+N	400	OP ATS NORMAL	SEE ONE LINE	–	SEE PNL
5	100	3+N	70	EM ATS NORMAL	SEE ONE LINE	–	SEE PNL
6	225	3+N	200	SPARE	–	–	–
7	100	3+N	100	SPARE	–	–	–
8	100	3+N	100	SPARE	–	–	–
9	400	–	400	SPACE	–	–	–
10	400	–	400	SPACE	–	–	–
11	200	–	200	SPACE	–	–	–
12	200	–	200	SPACE	–	–	–
13	600	–	600	SPACE	–	–	–
14	800	–	800	SPACE	–	–	–
15	–	–	–	SPACE	–	–	–
16	–	–	–	SPACE	–	–	–
17	–	–	–	SPACE	–	–	–
18	100	3+N	60	TVSS	3#6+1#10G	1"C	–

Electrical Retrofit Panel Schedule

Panel Designation	Location	Year Installed	Manuf.	Supply Characteristic Volt	Phase	Wire	Mains Main C/B	Main Bus	Number of Poles	Single Pole CB (Amps)	Active	Spare	Space	Two Pole CB (Amps)	Active	Spare	Space	Three Pole CB (Amps)	Active	Spare	Space	Condition /TVSS	Mounting Surface/ Recessed	Remarks
M	LOWER LEVEL	1957	FEDERAL PACIFIC	120/208V	3	4	M.L.O	800	42	20	5							30	2				SURFACE	Replace in kind
(Old MDB)	ELEC ROOM									30	1							50	1					
																		70	1					
																		90	1					
																		100	1					
																		150	4					
																		200	1		1			
F	LOWER LEVEL	1963	WESTINGHOUSE	120/208V	3	4	M.L.O	225	36	20	34			30	1								RECESSED	
	CORRIDOR																							
A	LOWER LEVEL	1957	FEDERAL PACIFIC	120/208V	3	4	M.L.O	100	20	20	20												RECESSED	Provide double lugs
	CORRIDOR																							
B	LOWER LEVEL	1957	FEDERAL PACIFIC	120/208V	3	4	M.L.O	200	32	20	30			20	1								RECESSED	
	CORRIDOR																							
PP-K	LOWER LEVEL	1957	FEDERAL PACIFIC	120/208V	3	4	M.L.O	400	54	20	14			20	11		1	20	4				RECESSED	
	CORRIDOR																	200	1		1			
G	UPPER LEVEL	1963	WESTINGHOUSE	120/208V	3	4	M.L.O	225	36	20	36												RECESSED	
	CORRIDOR																							
C	UPPER LEVEL	1957	FEDERAL PACIFIC	120/208V	3	4	M.L.O.	200	32	20	32												RECESSED	Provide double lugs
	CORRIDOR																							
E	UPPER LEVEL	1957	FEDERAL PACIFIC	120/208V	3	4	M.L.O.	100	14	20	10		4										RECESSED	
	MAIN OFFICE																							
D	UPPER LEVEL	1957	FEDERAL PACIFIC	120/208V	3	4	M.L.O.	200	26	20	26												RECESSED	SECTION 1
(LEFT)	CORRIDOR																							
D	UPPER LEVEL	1957	FEDERAL PACIFIC	120/208V	3	4	M.L.O.	200	32	20	28		2	20	1								RECESSED	SECTION 2
(RIGHT)	CORRIDOR																							
STAGE	UPPER LEVEL	1957	FEDERAL PACIFIC	120/208V	3	4	M.L.O.	200	46	20	39		1					20	2				RECESSED	Provide split bus
	GYMATORIUM																							
103	UPPER LEVEL	1985	FEDERAL PACIFIC	120/208V	3	4	150	225	24	20	12		6	30	1								SURFACE	Provide double lugs
	CLASS 103													60	2									
101	UPPER LEVEL	1985	FEDERAL PACIFIC	120/208V	3	4	100	225	24	20	12		4	20	1			30	2				SURFACE	Provide double lugs
	CLASS 101																							

* Panelboard circuitry breakdown shown as reference. Electrical contractor to provide field tracing confirming all panelboard and breaker ratings, types, dimensions, and provide matching provisions per existing condition for a complete installation. Disc

NEW ELECTRICAL PANEL SCHEDULE

PNL: M2 — 208Y/120, 3 PHASE, 4 WIRE — 42 ,000MIN A.I.C. SYM — NEUTRAL: 100%

MOUNTING: SURFACE X / (NEMA 1) FLUSH / IN MCC — MAIN LUGS ONLY / DOUBLE LUGS / FEED THRU LUG / SHUNT TRIP MAIN — MAIN C BKR- 600A/3P / MAIN BUS - 800 A — GROUND BUS: X / ISOLATED GROUND BUS: / TVSS: / NUMBER OF POLES: 84

CKT No.	TRIP (AMP)	LOAD	WIRE	CND. (IN.)	KVA/PHASE A	B	C	KVA/PHASE A	B	C	CND. (IN.)	WIRE	LOAD	TRIP (AMP)	CKT No.
1	20	LL CORR LTG	2#12+1#12G	3/4	0.21			9.80						3	2
3	20	UL CORR LTG	2#12+1#12G	3/4		0.50		9.80			1 1/4	3#2+1#8G	DOAS-3		4
5	20	CHA	2#12+1#12G	3/4			0.80	9.80						100	6
7	3 / 9 / 11 50	RTU-1	3#8+1#8G	3/4				7.20						3 / 80	8 / 10 / 12
13	20	ROOF RECEP	2#12+1#12G	3/4	0.18			1.50			3/4	2#12+1#12G	FC C1-C3	2	14
15	20	ROOF RECEP	2#12+1#12G	3/4		0.18		1.50						20	16
17	20	ROOF RECEP	2#12+1#12G	3/4			0.18	1.50			3/4	2#12+1#12G	FC D1-D3	2	18
19	20	SPARE	-	-				1.50						20	20
21	20	SPARE	-	-							-	-	SPARE	20	22
23	20	SPARE	-	-						0.50	3/4	2#12+1#12G	WALL SCONCE	20	24
25	2 / 40	HP-7	3#8+1#10G	3/4	2.50			1.10			3/4	2#12+1#12G	ERU-1	2 / 20	26 / 28
27						2.50		1.10							
29	20	SPARE	-								-	-	SPARE	20	30
31	2 / 30	ERU-3	2#12+1#12G	3/4	1.10			1.10			3/4	2#12+1#12G	ERU-2	2 / 20	32 / 34
33	20					1.10		1.10							
35	20	FLOOD LIGHTS	2#12+1#12G	3/4			0.30				-	-	SPARE	20	36
37	3 / 39 / 41 80	ERU-5	3#4+1#8G	1 1/4	5.50			3.40			3/4	3#8+1#8G	HP-3B	3 / 40	38 / 40
39						5.50		3.40							
41							5.50	3.40						40	42
43	20	ELC RM RECEP	2#12+1#12G	3/4	0.50			1.00			3/4	2#12+1#12G	CU-1	2	44
45	3 / 47 / 49 20	EF-3	3#12+1#12G	3/4		0.50		1.00						20	46
47							0.50	2.00							
49					0.50			2.00			3/4	3#10+1#8G	ERU-6	3	48 / 50
51	20	CH-A	2#12+1#12G	3/4		0.20		2.00						25	52
53	20	SPARE	-	-						0.10	3/4	2#12+1#12G	CONDENSATE PUM	20	54
55	20	ERV CTRL PNL	2#12+1#12G	3/4	0.20			0.10			3/4	2#12+1#12G	CTRL PNL	20	56
57	20	SPARE	-	-							-	-	SPARE	20	58
59	20	SPARE	-	-							-	-	SPARE	20	60
61	20	SPARE	-	-							-	-	SPARE	20	62
63	20	SPARE	-	-							-	-	SPARE	20	64
65	20	SPARE	-	-							-	-	SPARE	20	66
67	20	SPARE	-	-							-	-	SPARE	20	68
69	20	SPARE	-	-							-	-	SPARE	20	70
71	20	SPARE	-	-							-	-	SPARE	20	72
73	20	SPARE	-	-							-	-	SPARE	20	74
75	20	SPARE	-	-							-	-	SPARE	20	76
77	20	SPARE	-	-							-	-	SPARE	20	78
79	20	SPARE	-	-							-	-	SPARE	20	80
81	20	SPARE	-	-							-	-	SPARE	20	82
83	20	SPARE	-	-							-	-	SPARE	20	84
		SUBTOTALS			10.7	10.5	7.28	28.7	27.1	24.5			SUBTOTALS		

TOTAL LOADS	39.4 KVA	PHASE A	LIGHTING: 1.51 KVA
	37.6 KVA	PHASE B	RECEPTACLE: 1.04 KVA
	31.8 KVA	PHASE C	KITCHEN: 0.00 KVA
TOTAL CONN. LOAD	109 KVA	302 A	MOTOR: 106.00 KVA
TOTAL DEMAND LOAD	109 KVA	302 A	POWER: 0.20 KVA
			TOTAL: 108.75 KVA

NEW ELECTRICAL PANEL SCHEDULE

PNL: M1 — 208Y/120, 3 PHASE, 4 WIRE — 65 ,000MIN A.I.C. SYM — NEUTRAL: 100%

MOUNTING: SURFACE X / (NEMA 1) FLUSH / IN MCC — MAIN LUGS ONLY / DOUBLE LUGS / FEED THRU LUG / SHUNT TRIP MAIN — MAIN C BKR- 600A/3P / MAIN BUS - 800 A — GROUND BUS: X / ISOLATED GROUND BUS: / TVSS: / NUMBER OF POLES: 54

CKT No.	TRIP (AMP)	LOAD	WIRE	CND. (IN.)	KVA/PHASE A	B	C	KVA/PHASE A	B	C	CND. (IN.)	WIRE	LOAD	TRIP (AMP)	CKT No.
1	3 / 80			7.00			8.40	0.25			3/4	2#12+1#12G	LL N. CORR LTG	20	2
3		DOAS-1	3#4+1#8G	1 1/4	7.00				0.21		3/4	2#12+1#12G	UL N. CORR LTG	20	4
5	70					7.00				0.80	3/4	2#12+1#12G	(4) CH-A	20	6
7	3 / 9 / 11 80	DOAS-2	3#4+1#8G	1 1/4	8.40			7.2						3 / 80	8 / 10 / 12
9					8.40				7.2		1 1/4	3#4+1#8G	HP-2A		
11						8.40			7.2						
13	20	ROOF RECEP	2#12+1#12G	3/4	0.54			3.4						3	14
15	20	ROOF RECEP	2#12+1#12G	3/4		0.54			3.4		3/4	3#8+1#10G	HP-2B		16
17	20	ROOF RECEP	2#12+1#12G	3/4			0.18		3.4					40	18
19	2 / 21 20	AC A1-1 TO A1-3 / AC A2-1 TO A2-3	2#12+1#12G	3/4	3.90			1.10			3/4	2#12+1#12G	ERU-4	2 / 20	20 / 22
23	2 / 25 20	AC B1-1 TO B1-3 / AC B2-1 TO B2-3	2#12+1#12G	3/4		3.90			1.10						
27	20	MAG DOOR HOLDER	2#12+1#12G	3/4			4.00				-	-	SPARE	20	24
29	20	CH-A,B	2#12+1#12G	3/4			0.30				-	-	SPARE	20	26
31	2 / 33 30	HP-6	3#8+1#10G	3/4	2.04				0.60		-	-	SPARE	20	28
35	20	SPARE	-	-	2.04						-	-	SPARE	20	30
37	3 / 39 / 41 80	HP-1	3#4+1#8G	1 1/4	7.50						-	-	SPARE	20	32
43	20	UL N. CORR LTG	2#12+1#12G	3/4			7.50				-	-	SPARE	20	34
45	20	SPARE	-	-				0.70			3/4	2#12+1#12G	EF-1	20	36
47	20	SPARE	-	-							-	-	SPARE	20	38
49	20	SPARE	-	-							-	-	SPARE	20	40
51	20	SPARE	-	-							-	-	SPARE	20	42
53	20	SPARE	-	-							-	-	SPARE	20	44
		SUBTOTALS			33.4	29.7	27.5	13.3	11.9	12.0			SUBTOTALS		

TOTAL LOADS	46.6 KVA	PHASE A	LIGHTING: 0.46 KVA
	41.6 KVA	PHASE B	RECEPTACLE: 1.26 KVA
	39.5 KVA	PHASE C	KITCHEN: 0.00 KVA
TOTAL CONN. LOAD	128 KVA	354 A	MOTOR: 125.68 KVA
TOTAL DEMAND LOAD	128 KVA	354 A	POWER: 0.30 KVA
			TOTAL: 127.70 KVA

NEW ELECTRICAL PANEL SCHEDULE

PNL: M3 — 208Y/120, 3 PHASE, 4 WIRE — 42 ,000MIN A.I.C. SYM — NEUTRAL: 100%

MOUNTING: SURFACE X / (NEMA 1) FLUSH / IN MCC — MAIN LUGS ONLY / DOUBLE LUGS / FEED THRU LUG / SHUNT TRIP MAIN — MAIN C BKR- 600A/3P / MAIN BUS - 600 A — GROUND BUS: X / ISOLATED GROUND BUS: / TVSS: / NUMBER OF POLES: 54

CKT No.	TRIP (AMP)	LOAD	WIRE	CND. (IN.)	KVA/PHASE A	B	C	KVA/PHASE A	B	C	CND. (IN.)	WIRE	LOAD	TRIP (AMP)	CKT No.
1	3 / 80			9.81				0.21			3/4	2#12+1#12G	LL SOUTH CORR LTG	20	2
3		DOAS-4	3#2+1#8G	2	9.81				0.70		3/4	2#12+1#12G	CAFE/KIT/BATH LTG	20	4
5	100					9.81				0.13	3/4	2#12+1#12G	UL SOUTH CORR LTG	20	6
7	3 / 9 / 11 80	HP-4A	3#4+1#10G	1	7.2			4.00						3 / 45	8 / 10 / 12
9					7.2				4.00		3/4	3#8+1#10G	DOAS-5		
11						7.2				4.00					
13	20	ROOF RECEP	2#12+1#12G	3/4	0.18			6.30						3	14
15	20	ROOF RECEP	2#12+1#12G	3/4		0.18			6.30		3/4	3#4+1#10G	HP-5		16
17	2 / 20	FC E2-1 TO E2-3	2#12+1#12G	3/4			0.80			6.30				70	18
19					0.80									20	20
21	20	(2) CH-A	2#12+1#12G	3/4		0.40			0.60		3/4	2#12+1#12G	FC H1-1 TO H1-4	2 / 20	22 / 24
23	20									0.60					
25	20							0.50			3/4	2#12+1#12G	EF-2	20	26
27	20										-	-	SPARE	20	28
29	20	SPARE	-	-							-	-	SPARE	20	30
31	3 / 33 / 35 70	HP-4B	3#8+1#10G	3/4		6.10		3.42						3 / 40	32 / 34 / 36
37	20	CRAWL SPACE LTG	2#12+1#12G	3/4	0.20				3.42		3/4	3#8+1#10G	HP-8		
39	2 / 41 50	HP-9	2#8+1#8G	3/4		3.10		0.20						2 / 20	38 / 40
43	20						3.10		0.50		3/4	2#12+1#12G	CH-A	20	42
45	20										-	-	SPARE	20	44
47	20	KITCHEN STORAGE	2#12+1#12G	3/4			0.20				3/4			20	46
49	20	FC-B, AC-E3	2#12+1#12G	3/4	0.50			1.90						3 / 40	48 / 50
51	20					0.50			1.90		3/4	3#8+1#10G	MA-1		
53	20	SPARE	-	-							-	-	SPARE	20	52
		SUBTOTALS			24.8	27.3	27.2	16.5	17.1	16.9			SUBTOTALS		54

TOTAL LOADS	41.3 KVA	PHASE A	LIGHTING: 1.44 KVA
	44.4 KVA	PHASE B	RECEPTACLE: 0.36 KVA
	44.1 KVA	PHASE C	KITCHEN: 0.00 KVA
TOTAL CONN. LOAD	130 KVA	360 A	MOTOR: 127.99 KVA
TOTAL DEMAND LOAD	130 KVA	360 A	POWER: 0.00 KVA
			TOTAL: 129.79 KVA

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S.E.D. CONTROL NUMBER:

66-23-00-01-0-032-010

BID SCHEDULE #

PROJECT TITLE: YONKERS SCHOOL DISTRICT
YONKERS 1 OF 3 FOR WINDOWS, MASONRY, INTERIOR IMPROVEMENTS & SITE WORK AT SCHOOL P.S. 32
1 MONTCLAIR PLACE, YONKERS, NY 10710

DRAWING TITLE: ELECTRICAL SCHEDULES

DATE	ISSUED TO
12-22-2023	BID
11-06-2020	100% C.D. SUBMISSION
06-01-2020	100% D.D. SUBMISSION
05-01-2020	50% D.D. SUBMISSION

SHEET SIZE: 30"x42" — DRAWING NO.: E601
SCALE: AS NOTED
DRAWN BY: BGA — FILE NO.: 19360.00

BEFORE FABRICATION THIS CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AND CONDITIONS ON JOB AND COORDINATE HIS WORK WITH THE WORK OF ALL OTHER CONTRACTORS

PLOT DATE: December 20, 2023 - 5:27pm

FILE: C:\Users\VKale\AppData\Local\Temp\AcPublish_15588\194800E601.dwg

LIGHTING FIXTURE SCHEDULE

TYPE	MOUNTING	LAMPS	DESCRIPTION	MANUFACTURER & CAT.#
"A"	RECESSED	41W LED UNV.	RECESSED 7" X 4' ARCHITECTURAL LINEAR DUAL T-BAR LED FIXTURE, 4' LENGTH WITH 1000 LUMENS/FT, 80 CRI, 3500K COLOR TEMPERATURE, WHITE POWDER FINISH.	ARON LIGHTING CAT.# DUOT1-F-4FA-1250-B2-35K8-UNV-DM-W OR APPROVED EQUAL
"A" EMR	RECESSED	41W LED UNV.	SAME AS TYPE 'A' EXCEPT CIRCUIT TO EMERGENCY GENERATOR PANEL. INCLUDE EMERGENCY LIGHTING RELAY TO OVERRIDE SWITCHING.	ARON LIGHTING CAT.# DUOT1-F-4FA-1250-B2-35K8-UNV-DM-W OR APPROVED EQUAL
"B" EMB	CEILING/ SURFACE MTD.	40W LED 120V	CEILING SURFACE MOUNTED CANOPY SQUARE LED 12" X 12" FIXTURE, 40 WATT, 3400LUMENS, 80 CRI, 3500K COLOR TEMPERATURE, 0-10V TO 10% DIMMING. OPAL LENS WITH BLACK FINISH. INCLUDE BUILT-IN OCCUPANCY SENSOR AND EMERGENCY BATTERY PACK.	LUMINAIRE LED CAT.# SWP1212-MIN10-40W-35K-120-OP-BLK-EMB310-CAB-OCCFA OR APPROVED EQUAL
"C" EMB	WALL/ SURFACE MTD.	15W LED 120V	WALL SURFACE MOUNTED EXTERIOR LED 11" X 7" FIXTURE, 15 WATT, 1700 LUMENS, 80 CRI, 3500K COLOR TEMPERATURE, 0-10V TO 10% DIMMING. OPAL LENS WITH BLACK FINISH. INCLUDE PHOTOCELL AND REMOTE INVERTER.	LUMINAIRE LED CAT.# SWP610-MIN10-15W-35K-120-OP-BLK-EMB20R-CAB-PC OR APPROVED EQUAL
"D"	WALL/ SURFACE MTD.	70W LED UNV.	WALL SURFACE MOUNTED EXTERIOR LED FLOOD LIGHT WITH TYPE 3 DISTRIBUTION, 70 WATT, 5500 LUMENS, 80 CRI, 4000K COLOR TEMPERATURE, 0-10V TO 10% DIMMING. BLACK FINISH, INCLUDE PHOTO CELL AND STEP DIM MOTION SENSOR. EC TO PROVIDE PROGRAMMING AND (1) WATTSTOPPER FSIR-100 HAND HELD PROGRAMMER.	US ARCHITECTURAL LIGHTING CAT.# TSUW-LED-VLED-III-64LED-350MA-NW-120-RAL-9005-T-PC120V-MS-F211 (FSP-L4 60' DIAMETER AT 40' HEIGHT SENSOR) OR APPROVED EQUAL
"E"	POLE	70W LED 120V	POLE MOUNTED EXTERIOR LED AREA POLE LIGHT FIXTURE, TYPE 3 DISTRIBUTION, 64 LED, 350MA, 4000K CCT WITH 5200 LUMENS. INCLUDE 16' POLES, BUILT-IN MOTION AND PHOTO SENSORS VIA WATTSTOPPER FSP-211. EC TO PROVIDE PROGRAMMING AND (1) WATTSTOPPER FSIR-100 HAND HELD PROGRAMMER.	US ARCHITECTURAL LIGHTING CAT.# AER-VLED-III-64LED-350MA-NW-1-RAL9005T-HSVLED + WATTSTOPPER FSP-211 (FSP-L3 40' DIAMETER AT 20' HEIGHT SENSOR) #SNTA 165-125-1-RAL-9005-S OR APPROVED EQUAL
"F"	PENDANT	48W LED 120V	PENDANT/CHAIN MOUNTED 4' ENCLOSED INDUSTRIAL LED LINEAR LIGHT FIXTURE, 6200 LUMEN, WITH 4000K CCT. NON DIM DRIVER.	H.E.WILLIAMS CAT.# 96-4-L62-40-HIAFR-DRV-120V OR APPROVED EQUAL
"F" EMR	PENDANT	48W LED 120V	SAME AS TYPE 'A' EXCEPT CIRCUIT TO EMERGENCY GENERATOR PANEL. INCLUDE EMERGENCY LIGHTING RELAY TO OVERRIDE SWITCHING.	H.E.WILLIAMS CAT.# 96-4-L62-40-HIAFR-DRV-120V OR APPROVED EQUAL
"G"	RECESSED	16W LED UNV.	RECESSED 7" X 2' ARCHITECTURAL LINEAR DUAL T-BAR LED FIXTURE, 2' LENGTH WITH 750 LUMENS/FT, 80 CRI, 3500K COLOR TEMPERATURE, WHITE POWDER FINISH.	ARON LIGHTING CAT.# DUOT1-F-2FA-750-B2-35K8-UNV-DM-W OR APPROVED EQUAL
EMR "G"	RECESSED	16W LED UNV.	SAME AS TYPE 'G' EXCEPT CIRCUIT TO EMERGENCY GENERATOR PANEL. INCLUDE EMERGENCY LIGHTING RELAY TO OVERRIDE SWITCHING.	ARON LIGHTING CAT.# DUOT1-F-2FA-750-B2-35K8-UNV-DM-W OR APPROVED EQUAL
"H"	SURFACE	40W LED UNV.	RECESSED 2' X 2' LED EDGE-LIT FLAT PANEL WITH 4000 LUMENS, 80 CRI, 3500K COLOR TEMPERATURE, INCLUDE SURFACE MOUNT KIT.	H.W. WILLIAMS CAT.# LP-22-L40-835-LP22SMK-DIM-UNV OR APPROVED EQUAL
"H" EMR	SURFACE	40W LED UNV.	SAME AS TYPE 'H' EXCEPT CIRCUIT TO EMERGENCY GENERATOR PANEL. INCLUDE EMERGENCY LIGHTING RELAY TO OVERRIDE SWITCHING.	H.W. WILLIAMS CAT.# LP-22-L40-835-LP22SMK-DIM-UNV OR APPROVED EQUAL
"I"	SURFACE	40W LED UNV.	RECESSED 1' X 4' LED EDGE-LIT FLAT PANEL WITH 4000 LUMENS, 80 CRI, 3500K COLOR TEMPERATURE, INCLUDE SURFACE MOUNT KIT.	H.W. WILLIAMS CAT.# LP-14-L40-835-LP14SMK-DIM-UNV OR APPROVED EQUAL
"I" EMR	SURFACE	40W LED UNV.	SAME AS TYPE 'I' EXCEPT CIRCUIT TO EMERGENCY GENERATOR PANEL. INCLUDE EMERGENCY LIGHTING RELAY TO OVERRIDE SWITCHING.	H.W. WILLIAMS CAT.# LP-14-L40-835-LP14SMK-DIM-UNV OR APPROVED EQUAL
	CEILING /WALL MOUNT	1-5W LED UNV.	LED EXIT LIGHTS, STEEL HOUSING, NUMBER OF FACES AND DIRECTIONAL ARROWS AS INDICATED ON PLANS. SELF POWERED MODEL WITH 90 MINUTE BATTERY.	ENCORE LIGHTING #LSE-6-R-1/U
WP	EXTERIOR WALL MOUNT	1-5W LED UNV.	NEMA 4X EXTERIOR WEATHERPROOF LED EXIT LIGHTS, NUMBER OF FACES AND DIRECTIONAL ARROWS AS INDICATED ON PLANS. SELF POWERED MODEL WITH 90 MINUTE BATTERY.	ENCORE LIGHTING #LE4X-6-R-1/U

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S.E.D. CONTROL NUMBER:

66-23-00-01-0-032-010

BID SCHEDULE #

PROJECT TITLE
YONKERS SCHOOL DISTRICT
PHASE 1 OF 3 FOR WINDOWS, MASONRY, INTERIOR IMPROVEMENTS & SITE WORK AT SCHOOL P.S. 32
1 MONTCLAIR PLACE, YONKERS, NY 10710

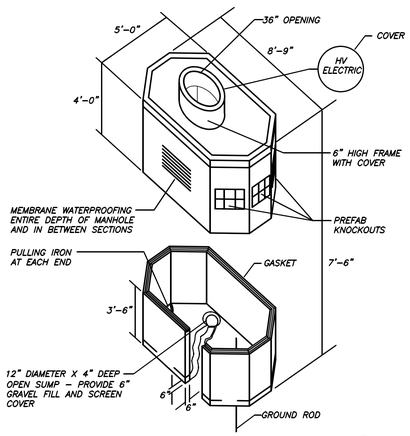
DRAWING TITLE
LIGHTING FIXTURE SCHEDULE

DATE	ISSUED TO
12-22-2023	BID
11-06-2020	100% C.D. SUBMISSION
06-01-2020	100% D.D. SUBMISSION
05-01-2020	50% D.D. SUBMISSION

SHEET SIZE 30"x42"
DRAWING NO. E602
SCALE AS NOTED
DRAWN BY BGA
FILE NO. 19360.00

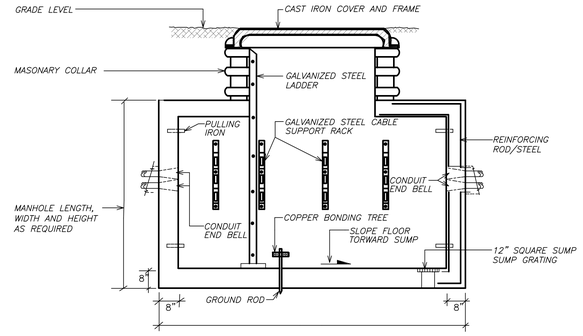
PLOT DATE: December 20, 2023 - 5:29pm

FILE: Y:\YONKERS PUBLIC SCHOOLS\YPS - School 32 - Renovations (1948.00)\Drawings\Electrical\194800E602.dwg



HIGH VOLTAGE MANHOLE DETAIL

N.T.S. 7 / E701

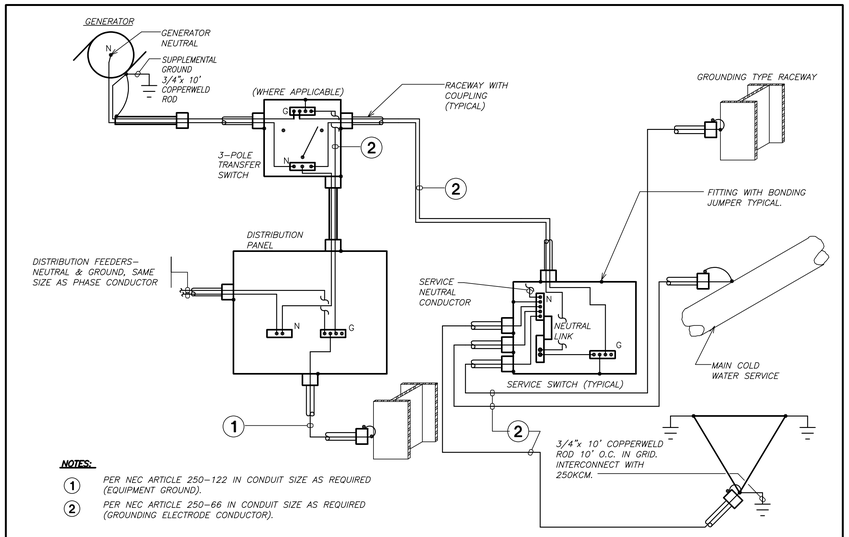


NOTES:

1. ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL GROUNDING SYSTEM PER CODE. UTILIZE #3/0–BARE COPPER GROUND FROM MANHOLE COVER FRAME, INTERIOR METAL RACKS, ETC. TO GROUNDING ROD VIA GROUNDING CABLE CONNECTION. CONNECT #3 GROUND CONDUCTOR FROM CONDUITS TO GROUND GRID.

MANHOLE DETAIL

4 / E701 N.T.S.

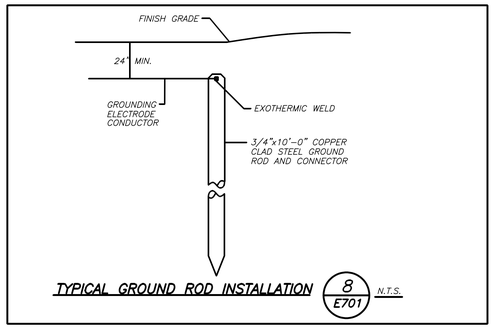


NOTES:

1. PER NEC ARTICLE 250–122 IN CONDUIT SIZE AS REQUIRED (EQUIPMENT GROUND).
2. PER NEC ARTICLE 250–66 IN CONDUIT SIZE AS REQUIRED (GROUNDING ELECTRODE CONDUCTOR).

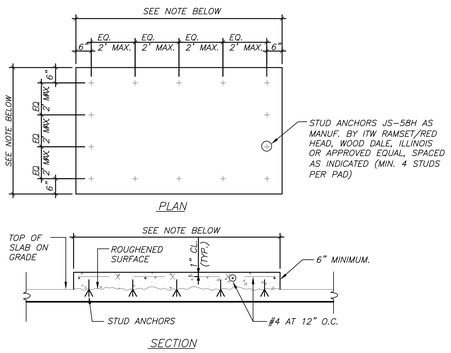
SCHEMATIC SERVICE GROUNDING SYSTEM

1 / E701 N.T.S.



TYPICAL GROUND ROD INSTALLATION

8 / E701 N.T.S.

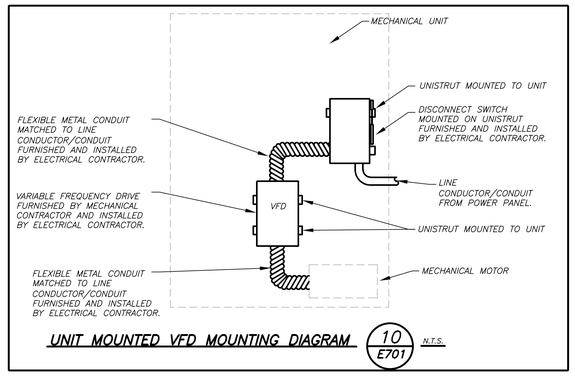


NOTES:

FINAL SIZE AND LOCATION TO BE DETERMINED BY CONTRACTOR AND APPROVED BY ARCHITECT/ENGINEER.

CONCRETE PAD DETAIL

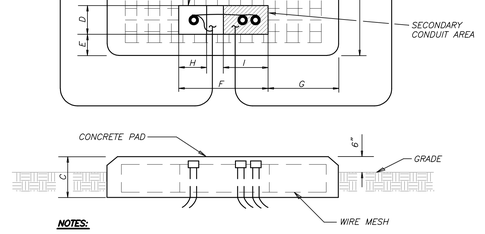
9 / E701 N.T.S.



UNIT MOUNTED VFD MOUNTING DIAGRAM

10 / E701 N.T.S.

TRANSFORMER SIZE–KVA	A	B	C	D	E	F	G	H	I
75–225	8'–0"	6'–6"	1'–0"	1'–1"	1'–4"	3'–0"	2'–6"	1'–0"	1'–4"
300–500	8'–6"	7'–3"	1'–0"	1–1"	1'–4"	3'–6"	2'–0"	1'–0"	1'–6"

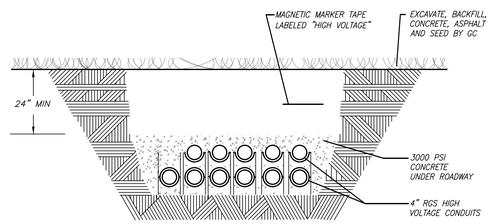


NOTES:

1. PAD SHALL HAVE 3"–0" OF CRUSHED STONE BENEATH.
2. CONCRETE PAD SHALL CONTAIN 6"X6"X6/6 WIRE MESH.
3. SECONDARY TO TRANSFORMER SHALL SUIT LOAD AND SITE CONDITIONS.
4. CONDUITS NOT TO EXTEND ABOVE PAD.
5. CHAMFER ALL EXPOSED EDGES.
6. IF REQUIRED, TWO (2) CONDUITS MAY BE USED IN PRIMARY CONDUIT AREA.

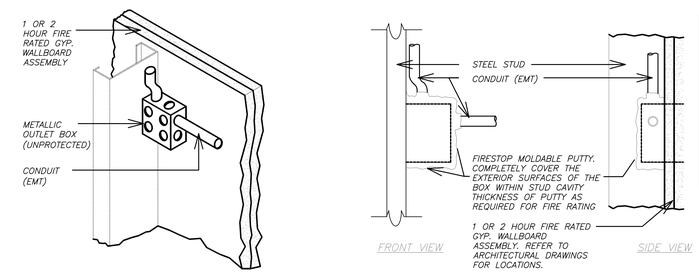
THREE PHASE TRANSFORMER CONCRETE PAD DETAIL

5 / E701 N.T.S.



HIGH VOLTAGE TRENCH DETAIL

6 / E701 N.T.S.

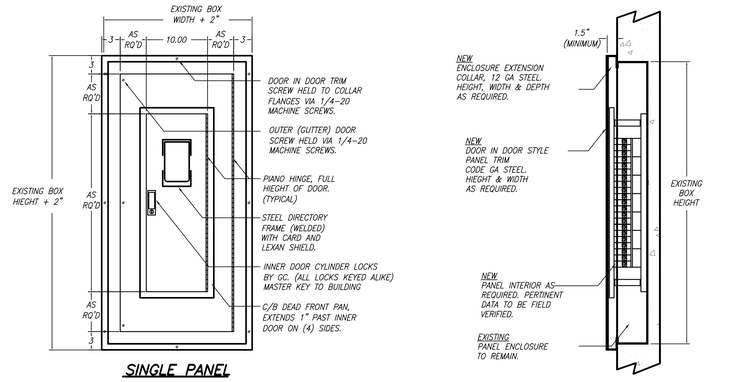


NOTES:

1. CLEARANCE BETWEEN OUTLET BOX AND WALL BOARD 1/8" MAX.
2. PROVIDE FIRE STOPPING IF:
   A. THE SURFACE AREA OF INDIVIDUAL METALLIC OUTLET OR SWITCH BOXES EXCEEDS 16 SQ. INCHES.
   B. THE AGGREGATE SURFACE AREA OF THE BOXES EXCEEDS 100 SQ. INCHES PER 100 SQ. FT. OF WALL SURFACE.
3. BOXES LOCATED ON OPPOSITE SIDE OF WALLS OR PARTITIONS SHALL BE SEPARATED BY A MINIMUM HORIZONTAL DISTANCE OF 24". MINIMUM DISTANCE SEPARATION MAY BE REDUCED WHEN OPENING PROTECTIVE MATERIAL ARE INSTALLED TO THE REQUIREMENTS OF THEIR CLASSIFICATION.
4. USE THE APPROPRIATE FIRESTOPPING PUTTY FOR METALLIC OR NON–METALLIC OUTLET BOXES RESPECTIVELY.

DETAIL OF WALL BOX FIRE PROTECTION

2 / E701 N.T.S.



SINGLE PANEL

TYPICAL RECESSED PANELBOARD REPLACEMENT DETAIL

3 / E701 N.T.S.

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S.E.D. CONTROL NUMBER:
66-23-00-01-0-032-010

BID SCHEDULE #

PROJECT TITLE
YONKERS SCHOOL DISTRICT
PHASE 1 OF 3 FOR WINDOWS, MASONRY, INTERIOR ALTERATIONS & SITE WORK AT SCHOOL P.S. 32
1 MONTCLAIR PLACE, YONKERS, NY 10710

DRAWING TITLE
ELECTRICAL DETAILS

DATE	ISSUED TO
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06-01-2020	100% D.D. SUBMISSION
05-01-2020	50% D.D. SUBMISSION

SHEET SIZE 30"x42" | DRAWING NO. E701
SCALE AS NOTED
DRAWN BY BGA | FILE NO. 19360.00

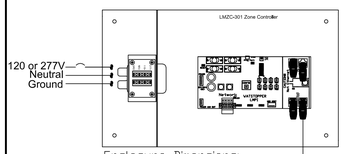
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PLOT DATE: December 20, 2023 – 5:29pm

FILE: Y:\YONKERS PUBLIC SCHOOLS\YPS – School 32 – Renovations (1948.00)\Drawings\Electrical\194800E701.dwg

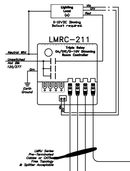
Zone Controller/Time Clock

LMZC-301 enclosure houses a LMPI intelligence card for 2 separate Cat 5e IRB networks (A&B) to connect to remote DLM devices needing power.
Time of Clock functions and settings to be determined by the owner.



Enclosure Dimensions:
10" H x 17.125" W x 5.75" D

LMZC-301 CONTROL PROCESSOR AND ENCLOSURE FOR PROGRAMMING AND TIME CLOCK CAPABILITIES



TO NEXT REQUIRED DLM ROOM CONTROLLER DEVICE FOR ZONING INDICATED



INCLUDE LMCT-100 WIRELESS REMOTE FOR TIME CLOCK AND SYSTEM'S CONFIGURATION

DO NOT MIX DIMMING TYPES
DO NOT SHARE NEUTRALS BETWEEN DIMMING TYPES

AS REQUIRED FOR EXTERIOR DAYLIGHT ZONE CONTROL



LMIN-104 Digital Photocell Input Module

LMSW-211

LMDC-100 Dual Tech Sensor

LMPO-200 Outdoor Photocell

0-10VDC (Yel)
+24VDC (Red)
Common (Blk)

Mount Photocell facing north sky

TO NEXT DLM DEVICE

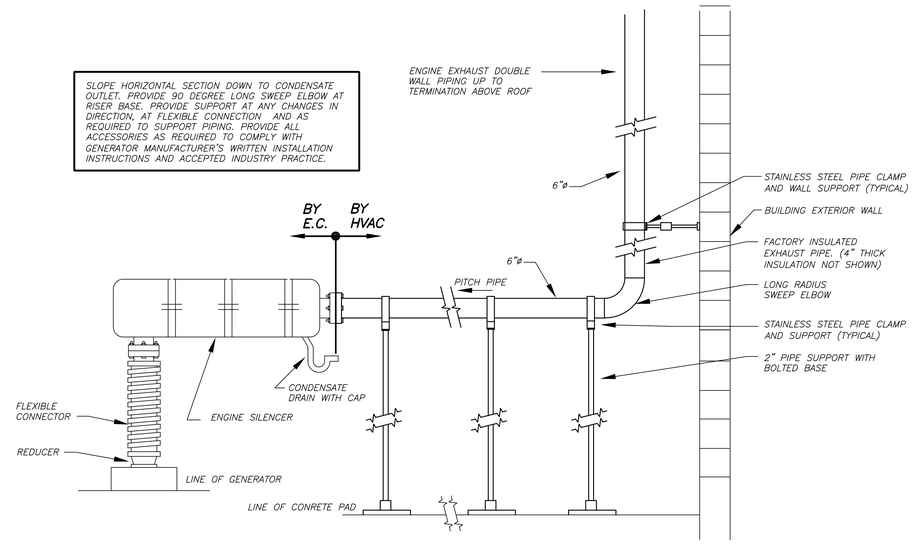
TYPICAL SENSORS / OVERRERIDE SWITCHES, AS REQUIRED PER LOCATIONS, QUANTITIES & TYPES ON PLANS

TYPICAL: FINAL NUMBER AND TYPE OF ROOM CONTROLLER PER NUMBER OF ZONES AND FIXTURE DIMMING/SWITCHING TYPES INDICATED ON PLANS

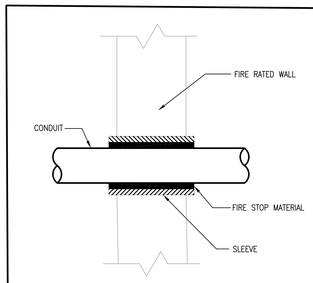
TYPICAL 1 ZONE 0-10V CORRIDOR ROOM CONTROLLER DETAIL (SIMILAR TO WATTSTOPPER)

3 / E702 N.T.S.

SLOPE HORIZONTAL SECTION DOWN TO CONDENSATE OUTLET. PROVIDE 90 DEGREE LONG SWEEP ELBOW AT RISER BASE. PROVIDE SUPPORT AT ANY CHANGES IN DIRECTION, AT FLEXIBLE CONNECTION AND AS REQUIRED TO SUPPORT PIPING. PROVIDE ALL ACCESSORIES AS REQUIRED TO COMPLY WITH GENERATOR MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS AND ACCEPTED INDUSTRY PRACTICE.



DIESEL ENGINE EXHAUST SYSTEM DETAIL 1 / E702 N.T.S.

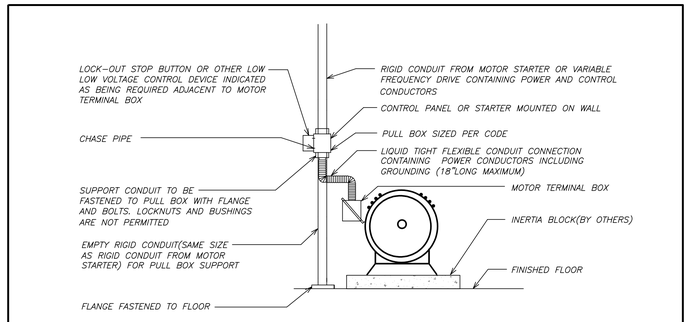


CONDUIT PENETRATION THRU FIRE RATED WALL

NOTES:

1. USE WHERE CONDUITS PASS THRU FIRE RATED WALL.
2. WHERE CONDUITS PASS THRU CONCRETE BEAM, BRICK WALL, OR WATER PROOF FLOORS, USE PIPE SLEEVES.

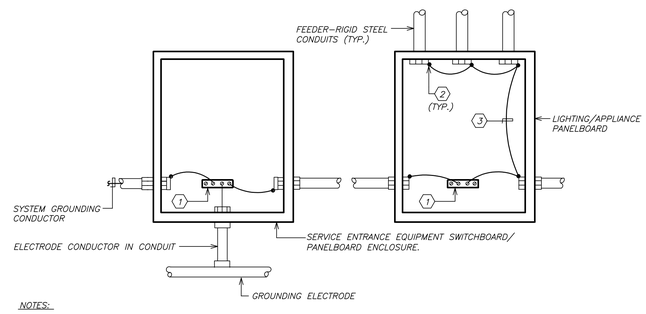
CONDUIT PENETRATION DETAILS 6 / E702



NOTE:

1. MOTOR SHALL BE MOUNTED BY OTHERS AND WIRED BY ELECTRICAL CONTRACTOR.

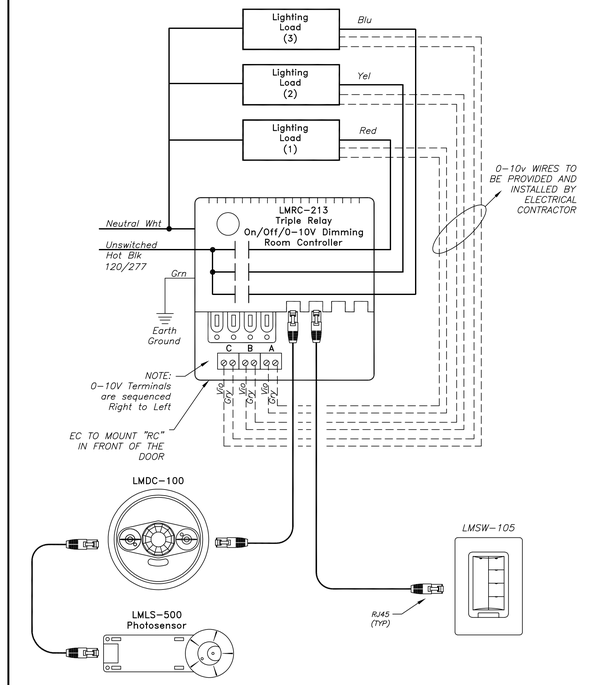
FLOOR MOUNTED MOTOR CONNECTION SYSTEM DETAIL 4 / E702 N.T.S.



NOTES:

1. PANELBOARD GROUND BUS
2. GROUNDING BUSHING
3. GROUNDING CONDUCTOR

RACEWAY EQUIPMENT GROUNDING SYSTEM 5 / E702 N.T.S.



TYPICAL 3-ZONE 0-10V ROOM CONTROLLER (SIMILAR TO WATTSTOPPER) 2 / E702 N.T.S.

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05-01-2020	50% D.D. SUBMISSION

SHEET SIZE	DRAWING NO.
30"x42"	E702
SCALE: AS NOTED	
DRAWN BY: BGA	FILE NO.: 19360.00

PLOT DATE: December 20, 2023 - 5:29pm

FILE: Y:\YONKERS PUBLIC SCHOOLS\YPS - School 32 - Renovations (1948.00)\Drawings\Electrical\194800E703.dwg