

# NEWBURGH ENLARGED CITY SCHOOL DISTRICT PHASE 3: HERITAGE MIDDLE SCHOOL 2019 CAPITAL IMPROVEMENT PROJECT

405 Union Avenue, New Windsor, NY 12553

## OWNER

NEWBURGH ENLARGED CITY SCHOOL DISTRICT  
124 GRAND STREET  
NEWBURGH, NEW YORK, 12550  
PHONE: 845-563-3400

SED # 44-16-00-01-0-039-011

## ARCHITECT

CPL  
50 FRONT STREET, SUITE 202  
NEWBURGH, NEW YORK, 12550  
PHONE: 800-274-9000

## CONSTRUCTION DOCUMENTS

### DRAWING LIST

GENERAL	
G000	COVER
UNIVERSAL	
U001	LIFE SAFETY PLANS
U002	LIFE SAFETY PLANS
CIVIL	
C100	EXISTING CONDITIONS AND DEMOLITION PLAN
C101	TEMPORARY FACILITIES AND EROSION CONTROL
C200	SITE PLAN (1 OF 2)
C201	SITE PLAN (2 OF 2)
C300	CONSTRUCTION NOTES
C301	DETAILS SHEET 1 OF 3
C302	DETAILS SHEET 2 OF 3
C303	DETAILS SHEET 3 OF 3
STRUCTURAL	
S200	FOUNDATION AND SLAB PLAN
S201A	ROOF FRAMING PLAN
S201B+C	ROOF EQUIPMENT SUPPORT PLAN - AREAS B AND C
S400	SECTIONS AND DETAILS
S401	STRUCTURAL SECTIONS AND DETAILS
S800	STRUCTURAL PROJECT NOTES
S801	STRUCTURAL PROJECT NOTES AND TYPICAL PROJECT SCHEDULES
S802	TYPICAL DETAILS
S803	TYPICAL DETAILS
ARCHITECTURAL	
A100A	GROUND FLOOR AREA A - DEMOLITION PLAN
A100B	GROUND FLOOR AREA B - DEMOLITION PLAN
A100C	GROUND FLOOR AREA C - DEMOLITION PLAN
A100D	GROUND FLOOR AREA D - DEMOLITION PLAN
A101C	FIRST FLOOR AREA C - DEMOLITION PLAN
A101D	FIRST FLOOR AREA D - DEMOLITION PLAN
A102C	SECOND FLOOR AREA C - DEMOLITION PLAN
A102D	SECOND FLOOR AREA D - DEMOLITION PLAN
A103C	THIRD FLOOR AREA C - DEMOLITION PLAN
A103D	THIRD FLOOR AREA D - DEMOLITION PLAN
A200A	GROUND FLOOR AREA A - NEW WORK PLAN
A200B	GROUND FLOOR AREA B - NEW WORK PLAN
A200C	GROUND FLOOR AREA C - NEW WORK PLAN
A200D	GROUND FLOOR AREA D - NEW WORK PLAN
A201A	FIRST FLOOR AREA A - NEW WORK PLAN
A201C	FIRST FLOOR AREA C - NEW WORK PLAN

A201D	FIRST FLOOR AREA D - NEW WORK PLAN
A202C	SECOND FLOOR AREA C - NEW WORK PLAN
A202D	SECOND FLOOR AREA D - NEW WORK PLAN
A203C	THIRD FLOOR AREA C - NEW WORK PLAN
A203D	THIRD FLOOR AREA D - NEW WORK PLAN
A204A	ROOF PLAN AREA A
A204B	ROOF PLAN AREA B
A204C	ROOF PLAN AREA C
A204D	ROOF PLAN AREA D
A205	ROOF DETAILS AT NEW ROOF
A206	ROOF DETAILS AT EXISTING ROOF
A300	BUILDING ELEVATIONS
A400	WALL TYPES
A401	WALL SECTIONS
A600B	REFLECTED CEILING PLAN GROUND FLOOR AREA B
A600C	REFLECTED CEILING PLAN GROUND FLOOR AREA C
A600D	REFLECTED CEILING PLAN GROUND FLOOR AREA D
A601C	REFLECTED CEILING PLAN FIRST FLOOR AREA C
A601D	REFLECTED CEILING PLAN FIRST FLOOR AREA D
A602C	REFLECTED CEILING PLAN SECOND FLOOR AREA C
A602D	REFLECTED CEILING PLAN SECOND FLOOR AREA D
A603C	REFLECTED CEILING PLAN THIRD FLOOR AREA C
A603D	REFLECTED CEILING PLAN THIRD FLOOR AREA D
A700	INTERIOR ELEVATIONS
A800	DETAILS
A801	DETAILS
A802	CEILING DETAILS TYP.
A900	DOOR PANELS, FRAME TYPES & SCHEDULES

INTERIORS	
I000	INTERIORS GENERAL
I200A	GROUND FLOOR AREA A - FINISH PLAN
I200B	GROUND FLOOR AREA B - FINISH PLAN
I300B	GROUND FLOOR AREA B - FLOOR PATTERNING PLAN

THEATRICAL	
HMS TL101	GYMNOTORIUM THEATRICAL LIGHTING SYSTEM REMOVAL PLANS
HMS TL301	GYMNOTORIUM THEATRICAL LIGHTING SYSTEM CONTROL PLANS
HMS TL302	GYMNOTORIUM THEATRICAL LIGHTING SYSTEM FIXTURE PLAN
HMS TL401	GYMNOTORIUM THEATRICAL LIGHTING SYSTEM SINGLE LINE FLOW DIAGRAM
HMS TL501	GYMNOTORIUM THEATRICAL LIGHTING SYSTEM DETAILS
HMS TL502	GYMNOTORIUM THEATRICAL LIGHTING SYSTEM DETAILS
HMS TR301	GYMNOTORIUM THEATRICAL RIGGING SYSTEM BATTEN, CURTAIN & TRACK PLANS
HMS TR302	GYMNOTORIUM THEATRICAL RIGGING SYSTEM PARTIAL SECTION
HMS TR303	GYMNOTORIUM THEATRICAL RIGGING SYSTEM ELEVATIONS
HMS TR304	GYMNOTORIUM THEATRICAL RIGGING SYSTEM ELEVATIONS

HMS TR305	GYMNOTORIUM THEATRICAL RIGGING SYSTEM ELEVATIONS
HMS TR401	GYMNOTORIUM THEATRICAL RIGGING SYSTEM CURTAIN DRAW MACHINE FLOW DIAGRAM
HMS TR501	GYMNOTORIUM THEATRICAL RIGGING SYSTEM DETAILS
HMS TR502	GYMNOTORIUM THEATRICAL RIGGING SYSTEM DETAILS
HMS TR503	GYMNOTORIUM THEATRICAL RIGGING SYSTEM DETAILS
HMS TR504	GYMNOTORIUM THEATRICAL RIGGING SYSTEM DETAILS
HMS TR505	GYMNOTORIUM THEATRICAL RIGGING SYSTEM DETAILS
HMS TS101	GYMNOTORIUM THEATRICAL RIGGING SYSTEM NOTES, KEYS & SCHEDULES
HMS TS102	GYMNOTORIUM LOWER LEVEL SOUND SYSTEM REMOVAL PLAN
HMS TS301	GYMNOTORIUM UPPER LEVEL SOUND SYSTEM REMOVAL PLAN
HMS TS302	GYMNOTORIUM LOWER LEVEL SOUND PLAN
HMS TS303	GYMNOTORIUM UPPER LEVEL SOUND PLAN
HMS TS401	GYMNOTORIUM SPEAKER AIMING PLAN & SECTION
HMS TS501	GYMNOTORIUM SOUND SYSTEM SINGLE LINE DIAGRAM
HMS TS502	GYMNOTORIUM SOUND SYSTEM DETAILS
HMS TS601	GYMNOTORIUM SOUND SYSTEM NOTES AND SYMBOLS KEYS

HVAC	
H000	HVAC SYMBOLS LEGEND AND CONTRACTOR NOTES
H100A	GROUND FLOOR HVAC DEMOLITION PLAN - AREA A
H100B	GROUND FLOOR HVAC DEMOLITION PLAN - AREA B
H100C	GROUND FLOOR HVAC DEMOLITION PLAN - AREA C
H100D	GROUND FLOOR HVAC DEMOLITION PLAN - AREA D
H101A	FIRST FLOOR HVAC DEMOLITION PLAN - AREA A
H101B	FIRST FLOOR ROOF HVAC DEMOLITION PLAN - AREA B
H101C	FIRST FLOOR HVAC DEMOLITION PLAN - AREA C
H101D	FIRST FLOOR HVAC DEMOLITION PLAN - AREA D
H102C	SECOND FLOOR HVAC DEMOLITION PLAN - AREA C
H102D	SECOND FLOOR HVAC DEMOLITION PLAN - AREA D
H103C	THIRD FLOOR HVAC DEMOLITION PLAN - AREA C
H103D	THIRD FLOOR HVAC DEMOLITION PLAN - AREA D
H200B	GROUND FLOOR HVAC DUCTWORK PLAN - AREA B
H200C	GROUND FLOOR HVAC DUCTWORK PLAN - AREA C
H200D	GROUND FLOOR HVAC DUCTWORK PLAN - AREA D
H201A	FIRST FLOOR HVAC DUCTWORK PLAN - AREA A
H201C	FIRST FLOOR HVAC DUCTWORK PLAN - AREA C
H201D	FIRST FLOOR HVAC DUCTWORK PLAN - AREA D
H202C	SECOND FLOOR HVAC DUCTWORK PLAN - AREA C
H202D	SECOND FLOOR HVAC DUCTWORK PLAN - AREA D
H203C	THIRD FLOOR HVAC DUCTWORK PLAN - AREA C
H203D	THIRD FLOOR HVAC DUCTWORK PLAN - AREA D
H300A	GROUND FLOOR HVAC PIPING PLAN - AREA A
H300B	GROUND FLOOR HVAC PIPING PLAN - AREA B

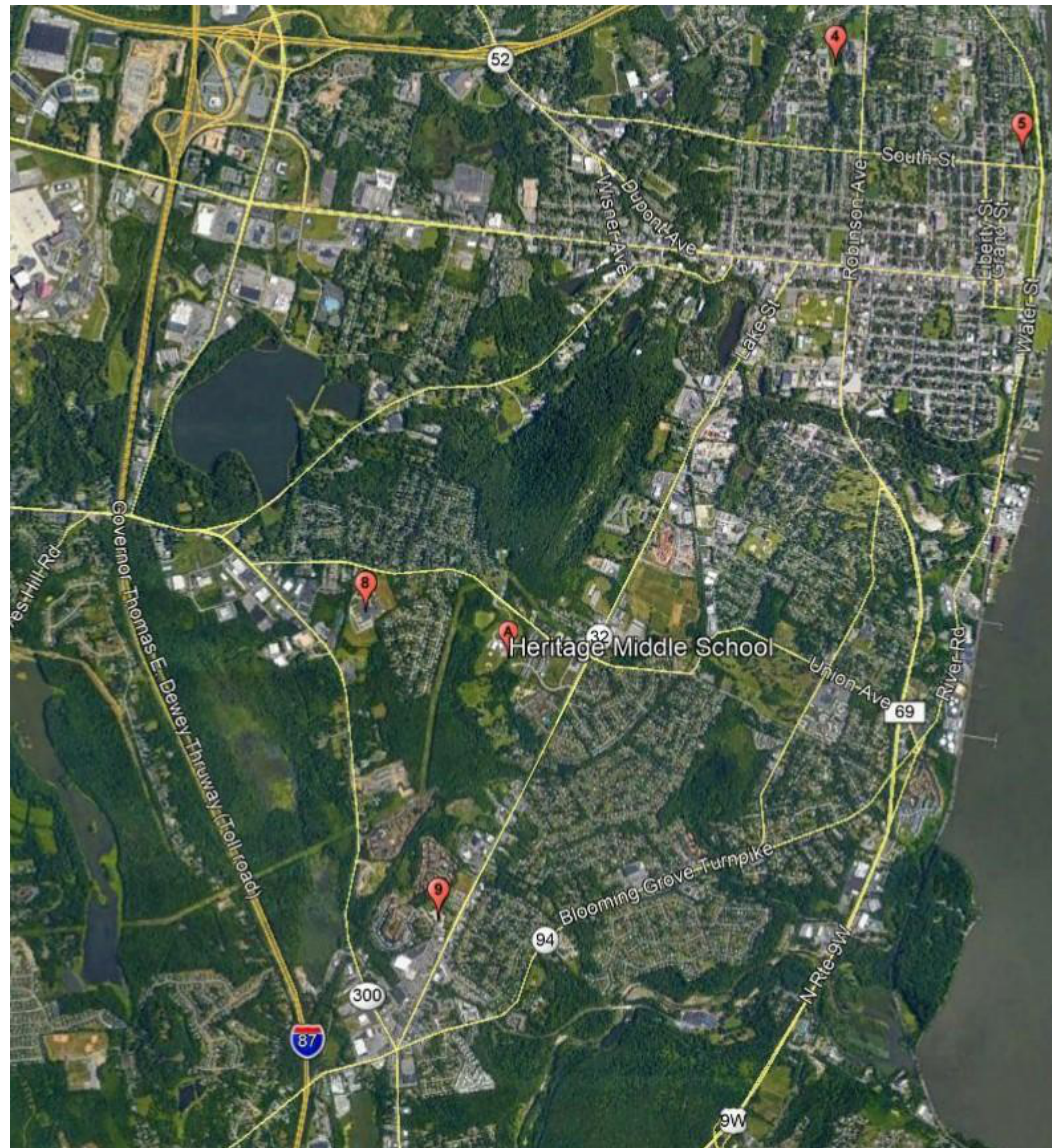
H300C	GROUND FLOOR HVAC PIPING PLAN - AREA C
H300D	GROUND FLOOR HVAC PIPING PLAN - AREA D
H301A	FIRST FLOOR HVAC PIPING PLAN - AREA A
H301B	FIRST FLOOR HVAC PIPING PLAN - AREA B
H301C	FIRST FLOOR HVAC PIPING PLAN - AREA C
H301D	FIRST FLOOR HVAC PIPING PLAN - AREA D
H302C	SECOND FLOOR HVAC PIPING PLAN - AREA C
H302D	SECOND FLOOR HVAC PIPING PLAN - AREA D
H303C	THIRD FLOOR HVAC PIPING PLAN - AREA C
H303D	THIRD FLOOR HVAC PIPING PLAN - AREA D
H500	HVAC CONTROL SCHEMATICS
H501	HVAC CONTROL SCHEMATICS
H502	HVAC CONTROL SCHEMATICS
H503	HVAC CONTROL SCHEMATICS
H700	HVAC ENLARGED PLANS
H701	HVAC ALTERNATE PLANS
H702	HVAC SECTIONS
H800	HVAC DETAILS
H801	HVAC DETAILS
H802	HVAC DETAILS
H803	HVAC DETAILS
H804	HVAC DETAILS
H900	HVAC SCHEDULES
H901	HVAC SCHEDULES
H902	HVAC SCHEDULES

PLUMBING	
P201	ADDITION RENOVATION PLAN
P202	FIRST FLOOR RENOVATION

ELECTRICAL	
E000	ELECTRICAL SYMBOLS LEGEND, NOTES & SYSTEM DIAGRAMS
E001	ELECTRICAL ONE-LINE DIAGRAMS
E002	ELECTRICAL SITE PLAN
E100B	GROUND FLOOR ELECTRICAL DEMOLITION PLAN - AREA B
E100C	GROUND FLOOR ELECTRICAL DEMOLITION PLAN - AREA C
E100D	GROUND FLOOR ELECTRICAL DEMOLITION PLAN - AREA D
E101A	FIRST FLOOR ELECTRICAL DEMOLITION PLAN - AREA A
E101C	FIRST FLOOR ELECTRICAL DEMOLITION PLAN - AREA C
E101D	FIRST FLOOR ELECTRICAL DEMOLITION PLAN - AREA D
E102C	SECOND FLOOR ELECTRICAL DEMOLITION PLAN - AREA C

E102D	SECOND FLOOR ELECTRICAL DEMOLITION PLAN - AREA D
E103C	THIRD FLOOR ELECTRICAL DEMOLITION PLAN - AREA C
E103D	THIRD FLOOR ELECTRICAL DEMOLITION PLAN - AREA D
E200B	GROUND FLOOR POWER AND SYSTEMS PLAN - AREA B
E200C	GROUND FLOOR POWER AND SYSTEMS PLAN - AREA C
E200D	GROUND FLOOR POWER AND SYSTEMS PLAN - AREA D
E201A	FIRST FLOOR POWER AND SYSTEMS PLAN - AREA A
E201B	FIRST FLOOR POWER AND SYSTEMS PLAN - AREA B
E201C	FIRST FLOOR POWER AND SYSTEMS PLAN - AREA C
E201D	FIRST FLOOR POWER AND SYSTEMS PLAN - AREA D
E202C	SECOND FLOOR POWER AND SYSTEMS PLAN - AREA C
E202D	SECOND FLOOR POWER AND SYSTEMS PLAN - AREA D
E203C	THIRD FLOOR POWER AND SYSTEMS PLAN - AREA C
E203D	THIRD FLOOR POWER AND SYSTEMS PLAN - AREA D
E300B	GROUND FLOOR LIGHTING PLAN - AREA B
E300C	GROUND FLOOR LIGHTING PLAN - AREA C
E300D	GROUND FLOOR LIGHTING PLAN - AREA D
E301C	FIRST FLOOR LIGHTING PLAN - AREA C
E301D	FIRST FLOOR LIGHTING PLAN - AREA D
E302C	SECOND FLOOR LIGHTING PLAN - AREA C
E302D	SECOND FLOOR LIGHTING PLAN - AREA D
E303C	THIRD FLOOR LIGHTING PLAN - AREA C
E303D	THIRD FLOOR LIGHTING PLAN - AREA D
E900	EQUIPMENT WIRING AND LUMINAIRE SCHEDULES
E901	ELECTRICAL DETAILS AND PANELBOARD SCHEDULES

### LOCATION MAP



### CAMPUS SITE



### MATERIAL PATTERNS

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

### GRAPHIC SYMBOLS

COLUMN CENTERLINE A	PARTITION TYPE 11 (11R RATED) SEE PARTITION LEGEND	PROPERTY LINE	CASEWORK TAG
DETAIL #3 on SHEET A201	REVISION NO. 1	FENCE	ACCESSORY TAG
BUILDING SECTION (NO.) or WALL SECTION (LETTER) on SHEET A101	EXISTING SPOT ELEVATION	EXISTING TREE TO REMAIN	WINDOW TAG (TYPE LETTER)
ROOM NUMBER 1000	FINISHED SPOT ELEVATION	EXISTING TREE TO BE REMOVED	EQUIPMENT SYMBOL (NUMBER)
INTERIOR ELEVATIONS # 2 and #3 on SHEET A301	EXISTING CONTOURS	BENCHMARKS: FLOOR ELEV., or OTHER VERTICAL ELEV.	DOOR TAG
EXTERIOR ELEVATIONS #3 on SHEET A301	FINISHED CONTOURS	KEYNOTE SYMBOL: DEMOLITION and NEW CONSTRUCTION	VIEW NAME

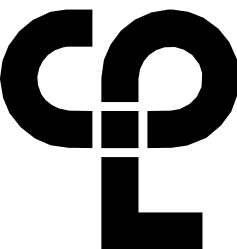
The design of this project conforms to all applicable provisions of the New York State Uniform Fire Prevention and Building Code, the New York State Energy Conservation Code, and the building standards of the New York State Education Department

### OWNER



NECSD  
124 GRAND ST  
NEWBURGH, NY 12550  
T. 845-563-3400

### ARCHITECT



CPL  
50 FRONT ST.  
SUITE 202  
NEWBURGH, NY 12550  
T. 800.274.9000  
CPLteam.com

#### PROJECT INFORMATION

Project Number  
13940.18  
Client Name

**NEWBURGH ENLARGED CITY  
SCHOOL DISTRICT**

Project Name

**PHASE 3: HERITAGE MIDDLE  
SCHOOL 2019 CAPITAL  
IMPROVEMENT PROJECT**

Project Address

405 Union Avenue, New Windsor, NY 12553

SED Number

44-16-00-01-0-039-011

#### PROJECT ISSUE SCHEDULE

No. Date Description

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

#### SHEET INFORMATION

Issued

9/9/2021

Project Status

CONSTRUCTION DOCUMENTS

Drawn By

BM

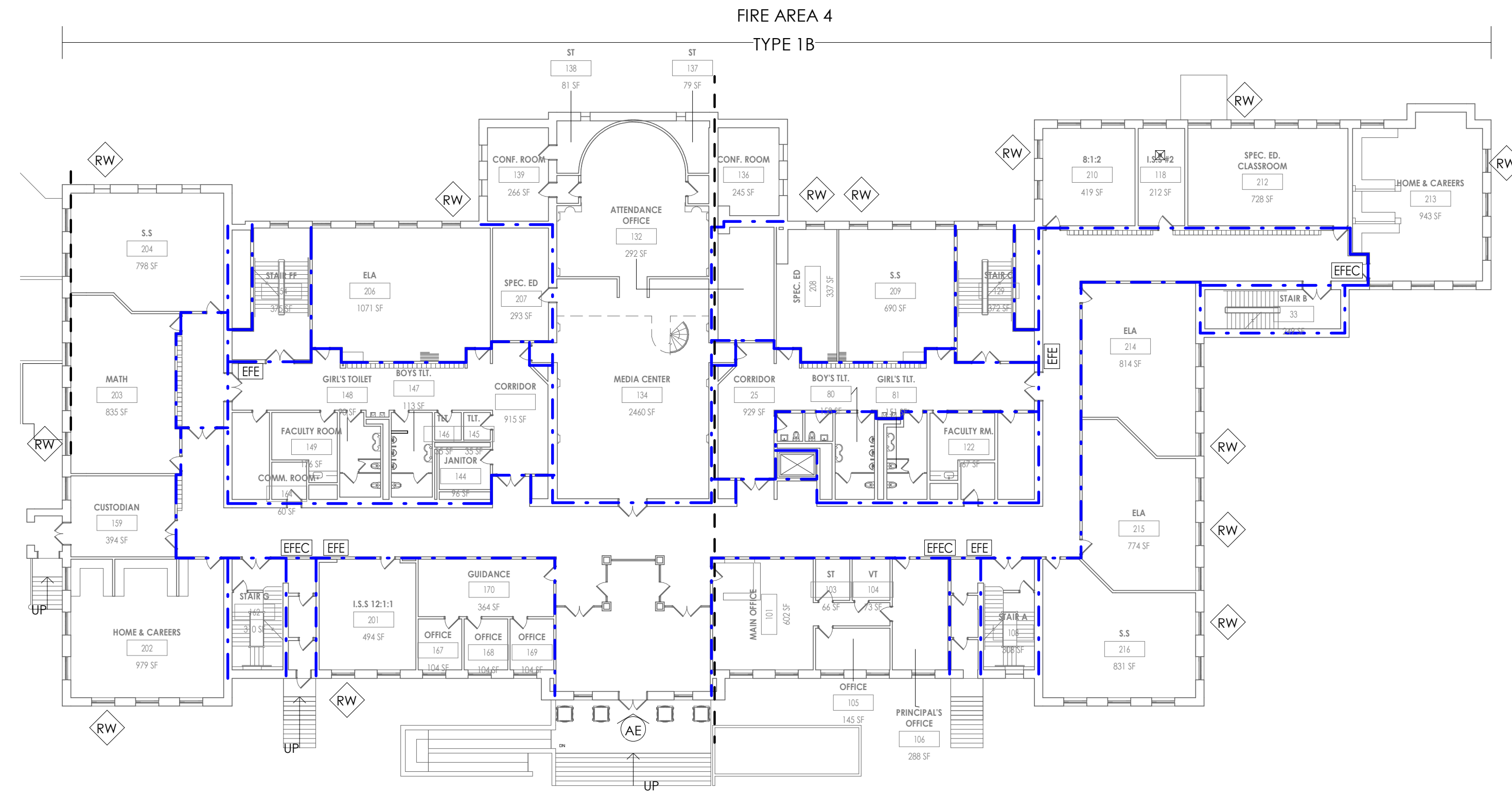
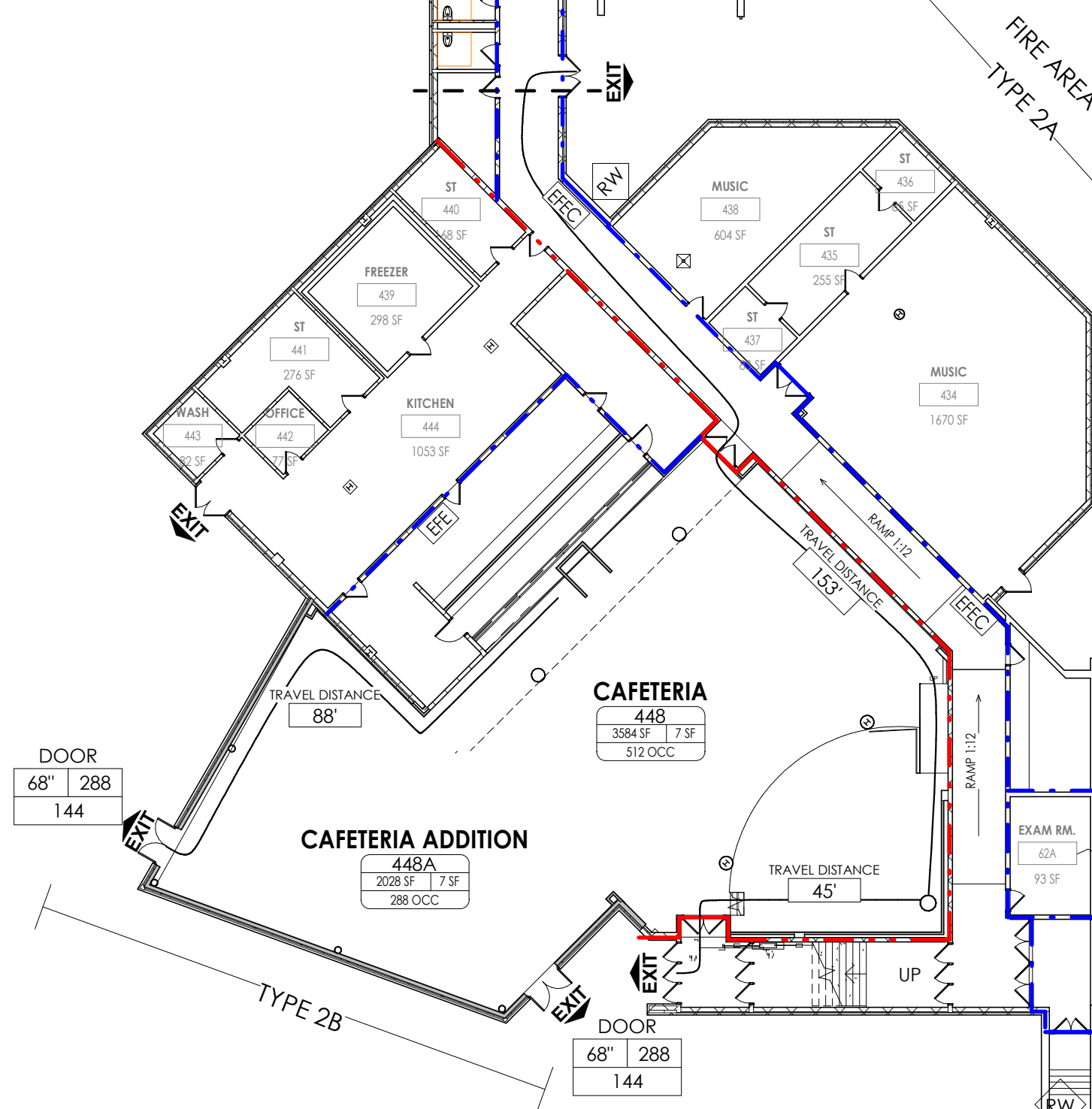
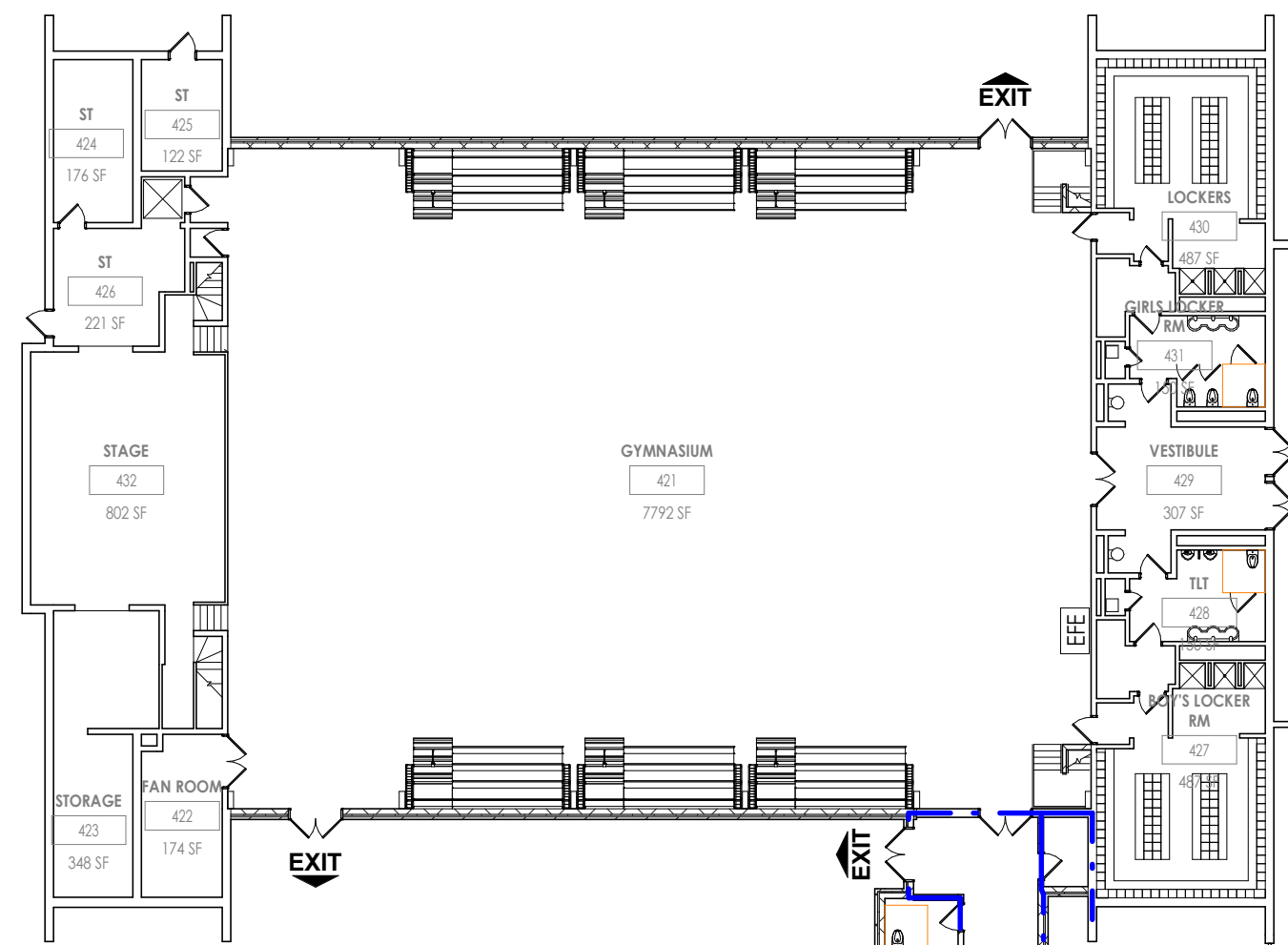
Drawing Title

COVER

Drawing Number

G000





2 FIRST FLOOR PLAN  
3/64" = 1'-0"

1 GROUND FLOOR PLAN  
3/64" = 1'-0"

ALTERATION LEVEL 2 - ENTIRE BUILDING  
FLOOR REPLACEMENT, STAGE DEMOLITION, SYSTEM UPDATES

CODE SUMMARY

BUILDING OCCUPANCY: E, EDUCATIONAL		
CONSTRUCTION CLASSIFICATION: TYPE 2B, 1B, 3		
506.2.3 SINGLE OCCUPANCY, MULTI-STORY BUILDING AREA INCREASE CALCULATION		
$A_a = [A_1 + (N_2 \times I_1)] \times S_a$ $A_a = [14,500 + (14,500 \times .75)] \times 3$ $A_a = 76,125 \text{ SF}$ - ACTUAL BUILDING AREA PER FLOOR IN SQUARE FEET:		
FIRE AREAS		
• GROUND FLOOR	58,843	S.F.
1. FIRE AREA 1	30,348	S.F.
2. FIRE AREA 2	16,130	S.F.
3. FIRE AREA 3	12,365	S.F.
• FIRST FLOOR		
1. FIRE AREA 4	41,880	S.F.
• SECOND FLOOR		
1. FIRE AREA 5	29,550	S.F.
• THIRD FLOOR		
1. FIRE AREA 6	21,200	S.F.
EXISTING BUILDING TOTAL:	149,370	S.F.
CAFETERIA ADDITION: (FIRE AREA 2)	2,103	S.F.
BUILDING GRAND TOTAL:	151,473	S.F.

2020 NYS BUILDING CODE  
CALCULATION FOR EXITING 1005.3.2

OCCC, Load x .2= The capacity, in inches, of means of egress.  
288 x .2= 57.6 in

SED CALCULATION FOR EXITING  
Floor Area = REU  
1,200

2,028 = 1.69 (22" per REU)  
1,200 22 x 1.69= 37.18 in

Please refer to COMcheck Report for  
Energy Code Requirements

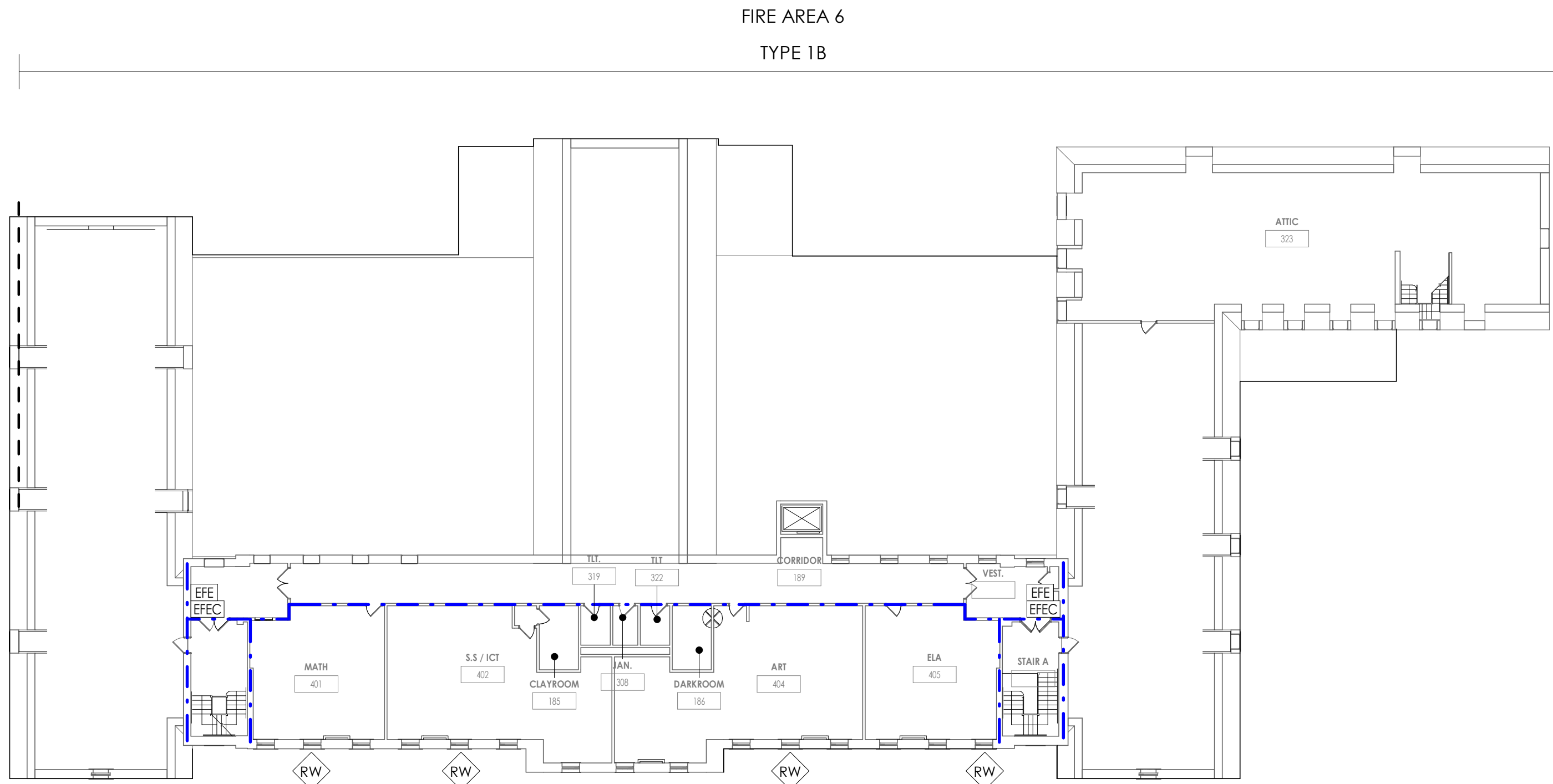
SYMBOL LEGEND	
	ACCESSIBLE BUILDING ENTRANCE
	EXIT
	EXIT ACCESS DOOR
	RESCUE WINDOW
	TRAVEL DISTANCE (200'-0" MAX.)
	1 HOUR RATED FIRE BARRIER
	2 HOUR RATED FIRE BARRIER
	2 HOUR RATED FIREWALL
	SMOKE BARRIER
	EXISTING FIRE EXTINGUISHER CABINET
	EXISTING FIRE EXTINGUISHER CABINET
	DOOR TAG WITH EGRESS CAPACITY
	ROOM TAG WITH OCCUPANCY LOAD



2  
U002

THIRD FLOOR PLAN

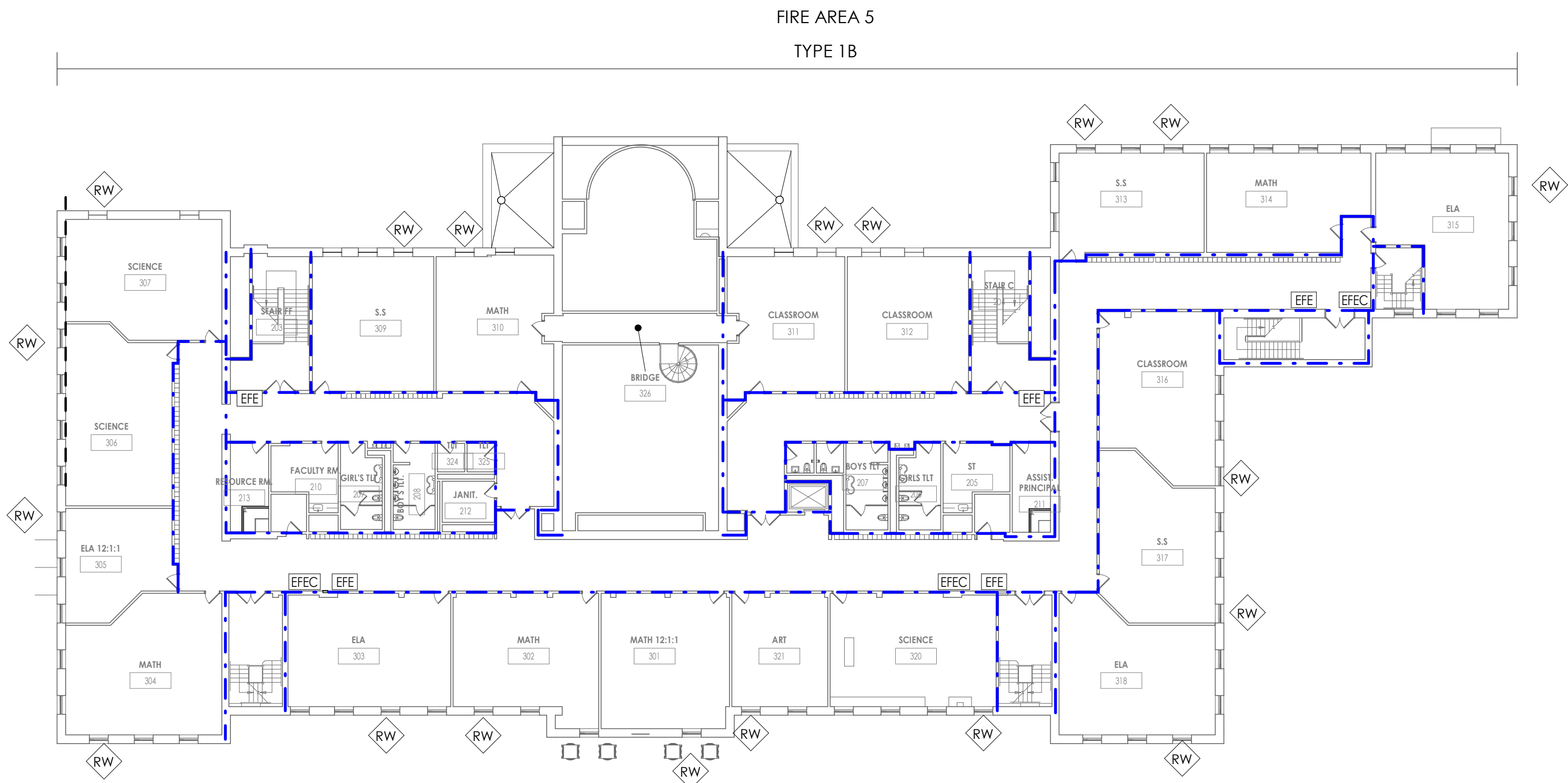
3/64" = 1'-0"



1  
U002

SECOND FLOOR PLAN

3/64" = 1'-0"



CODE SUMMARY

BUILDING OCCUPANCY: E, EDUCATIONAL

CONSTRUCTION CLASSIFICATION: TYPE 2B, 1B, 3

506.2.3 SINGLE OCCUPANCY, MULTI-STORY BUILDING  
AREA INCREASE CALCULATION

$A_G = (A_t + [(N \times I)]) \times S_a$   
 $A_G = (14,500 + (14,500 \times .75)) \times 3$   
 $A_G = 76,125 \text{ SF}$   
- ACTUAL BUILDING AREA PER FLOOR IN SQUARE FEET:

FIRE AREAS		
• GROUND FLOOR	58,843	S.F.
1. FIRE AREA 1	30,348	S.F.
2. FIRE AREA 2	16,130	S.F.
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1. FIRE AREA 6	21,200	S.F.

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BUILDING GRAND TOTAL:	151,473	S.F.

2020 NYS BUILDING CODE  
CALCULATION FOR EXITING 1005.3.2

OCCEC Load x .2= The capacity, in inches, of means of egress.

288 x .2= 57.6 in

SED CALCULATION FOR EXITING

Floor Area = REU

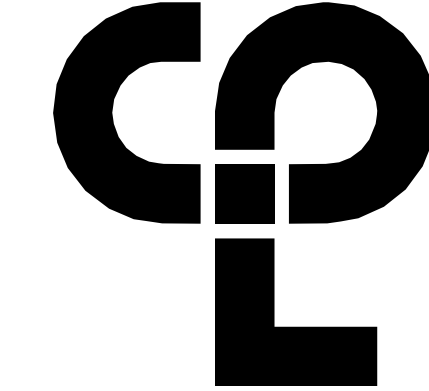
1,200

$\frac{2,028}{1,200} = 1.69$  (22' per REU)  
 $22 \times 1.69 = 37.18 \text{ in}$

Please refer to COMcheck Report for  
Energy Code Requirements

SYMBOL LEGEND

	ACCESSIBLE BUILDING ENTRANCE
	EXIT
	EXIT ACCESS DOOR
	RESCUE WINDOW
	TRAVEL DISTANCE [200'-0" MAX.]
	1 HOUR RATED FIRE BARRIER
	2 HOUR RATED FIRE BARRIER
	2 HOUR RATED FIREWALL
	SMOKE BARRIER
	EXISTING FIRE EXTINGUISHER CABINET
	EXISTING FIRE EXTINGUISHER CABINET
	DOOR
	DOOR TAG WITH EGRESS CAPACITY
	ROOM TAG WITH OCCUPANCY LOAD



CPL | Architecture Engineering Planning  
50 FRONT ST. SUITE 202  
NEWBURGH, NY 12550  
CPLteam.com

PROJECT INFORMATION

Project Number

13940.18

Client Name

NEWBURGH ENLARGED CITY  
SCHOOL DISTRICT

Project Name

PHASE 3: HERITAGE MIDDLE  
SCHOOL 2019 CAPITAL  
IMPROVEMENT PROJECT

Project Address

405 Union Avenue, New Windsor, NY 12553

SED Number

44-16-00-01-0-039-011

PROJECT ISSUE SCHEDULE

No. Date Description  
1 04/23/21 SED ADDENDA 1

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



















SHEET INFORMATION

Issued 9/9/2021 Scale As indicated  
Project Status  
CONSTRUCTION DOCUMENTS  
Drawn By Checked By  
CPL CPL  
Drawing Title  
LIFE SAFETY PLANS

Drawing Number

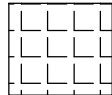

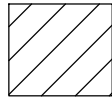

HMS  
U002




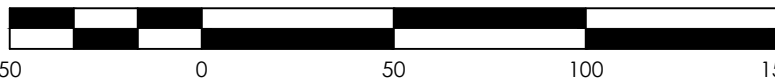
SURVEY SYMBOL LEGEND					
	BASKETBALL HOOP		GUY ANCHOR POLE		DECIDUOUS SHRUB
	BOULDER		GAS VALVE		EVERGREEN SHRUB
	BASLINE STATION		HAND HOLE		SPOT
	BENCHMARK		FIRE HYDRANT		SPRINKLER HEAD
	BOLLARD		INLET MANHOLE		DRAINAGE (STORM) MANHOLE
	BORING		IRON PIN		STUMP
	CATCH BASIN SQUARE		LIGHT POLE 1		TELEPHONE BOX
	CATCH BASIN ROUND		LIGHT POLE 2		TELEPHONE MANHOLE
	CLEANOUT		LAMP POST		DECIDUOUS TREE
	CURB STOP		MAIL BOX		CONIFEROUS TREE
	CATV BOX		MONUMENT		TEST PIT
	DROP INLET		PULL BOX		UTILITY BOX
	DRILL HOLE		PEDESTRIAN SIGNAL POLE		WELL
	DRY HYDRANT		POST		WETLAND FLAG
	ELECTRIC BOX		UTILITY POLE		WATER METER
	ELECTRIC MANHOLE		SANITARY MANHOLE		WATER MANHOLE
	FLARED END SECTION		SANITARY VALVE		WOOD POST SQUARE
	FIBER OPTIC BOX		SATELLITE DISH		WOOD POST ROUND
	FILL CAP		SIGN POST		WATER VALVE
	FLAGPOLE		DOUBLE SIGN POST		YARD INLET SQUARE
	GAS METER		SIGN DOUBLE POST		YARD INLET ROUND
	GAS LINE MARKER		DOUBLE SIGN AND POST		MANHOLE GENERIC
	GUY ANCHOR WIRE		STREET SIGN (4-WAY)		MONITOR WELL

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

# DEMOLITION LEGEND

	AREA DEMOLITION HATCH 1		OBJECT DEMOLITION "X"
	AREA DEMOLITION HATCH 2		OBJECT DEMOLITION LINE





50 0 50 100 150

SCALE: 1" = 50'





Plotted By: Sean Gordon

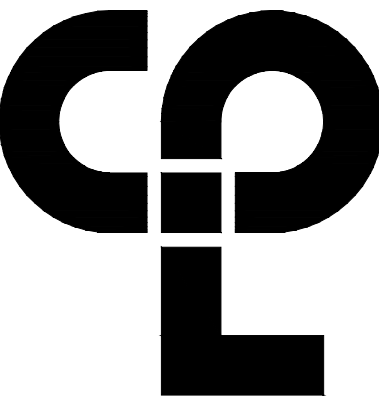
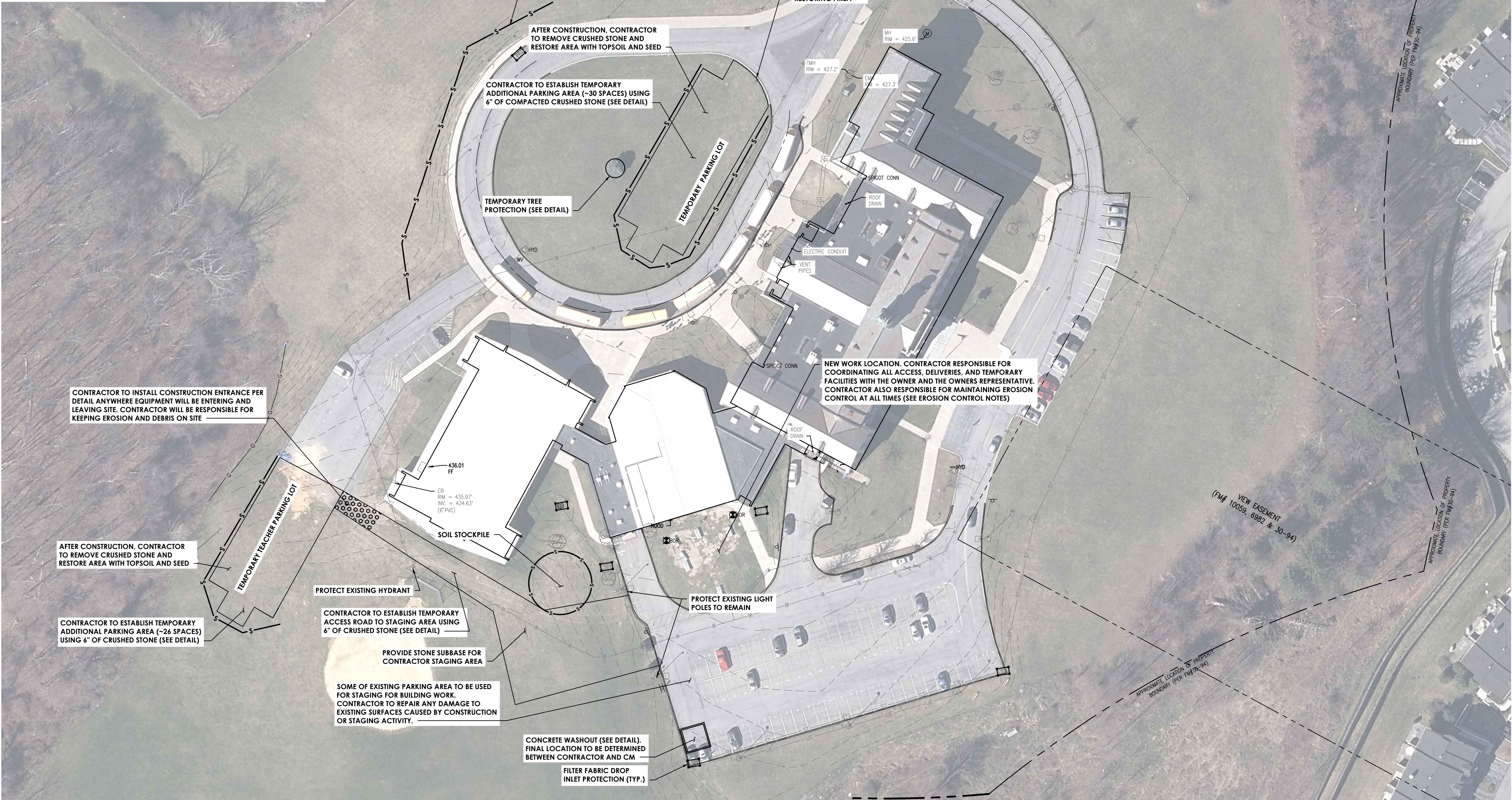
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SURVEY SYMBOL LEGEND					
	BASKETBALL HOOP		GUY ANCHOR POLE		DECIDUOUS SHRUB
	BOULDER		GAS VALVE		EVERGREEN SHRUB
	BASLINE STATION		HAND HOLE		SPOT/OT
	BENCHMARK		FIRE HYDRANT		SPRINKLER HEAD
	BOLLARD		INLET MANHOLE		DRAINAGE (STORM) MANHOLE
	BORING		IRON PIN		STUMP
	CATCH BASIN SQUARE		LIGHT POLE 1		TELEPHONE BOX
	CATCH BASIN ROUND		LIGHT POLE 2		TELEPHONE MANHOLE
	CLEANOUT		LAMP POST		DECIDUOUS TREE
	CURB STOP		MAIL BOX		CONIFEROUS TREE
	CATV BOX		MONUMENT		TEST PIT
	DROP INLET		PULL BOX		UTILITY BOX
	DRILL HOLE		PEDESTRIAN SIGNAL POLE		WELL
	DRY HYDRANT		POST		WETLAND FLAG
	ELECTRIC BOX		UTILITY POLE		WATER METER
	ELECTRIC MANHOLE		SANITARY MANHOLE		WATER MANHOLE
	FLARED END SECTION		SANITARY VALVE		WOOD POST SQUARE
	FIBER OPTIC BOX		SATELLITE DISH		WOOD POST ROUND
	FULL CAP		SIGN POST		WATER VALVE
	FLAGPOLE		DOUBLE SIGN POST		YARD INLET SQUARE
	GAS METER		SIGN DOUBLE POST		YARD INLET ROUND
	GAS LINE MARKER		DOUBLE SIGN AND POST		MANHOLE GENERIC
	GUY ANCHOR WIRE		STREET SIGN (4-WAY)		MONITOR WELL

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



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#### PROJECT INFORMATION

Project Number  
13940.18  
Client Name

**NEWBURGH ENLARGED CITY  
SCHOOL DISTRICT**

Project Name  
**PHASE 3: HERITAGE MIDDLE  
SCHOOL 2019 CAPITAL  
IMPROVEMENT PROJECT**

Project Address  
405 Union Avenue, New Windsor, NY 12553

SED Number  
44-16-00-01-0-039-011

#### REVISION SCHEDULE

No. Date Description

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THE COMMISSIONERS REGULATIONS FOR ANY PERSON, UNLESS  
ACTING UNDER THE DIRECTION OF A LICENSED ARCHITECT,  
ENGINEER OR LAND SURVEYOR, TO ALTER AN INSTRUMENT OF  
SURVEY OR A PLAN BEARING THE SEAL OF AN ARCHITECT, ENGINEER OR  
SURVEYOR. THE ALTERING PARTY SHALL AFFIX TO THE  
FIRM THEIR SEAL AND THE INSTRUMENT, ALTERED BY FOLLOWING BY  
THEIR SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A  
SPECIFIC DESCRIPTION OF THE ALTERATION.

#### SHEET INFORMATION

Issued  
9/9/2021

Scale  
1" = 50'

Drawn by  
CONSTRUCTION DOCUMENTS

Drawn by  
SHC

Checked by  
JB

Drawing Title

**TEMPORARY FACILITIES AND EROSION  
CONTROL**

Drawing Number

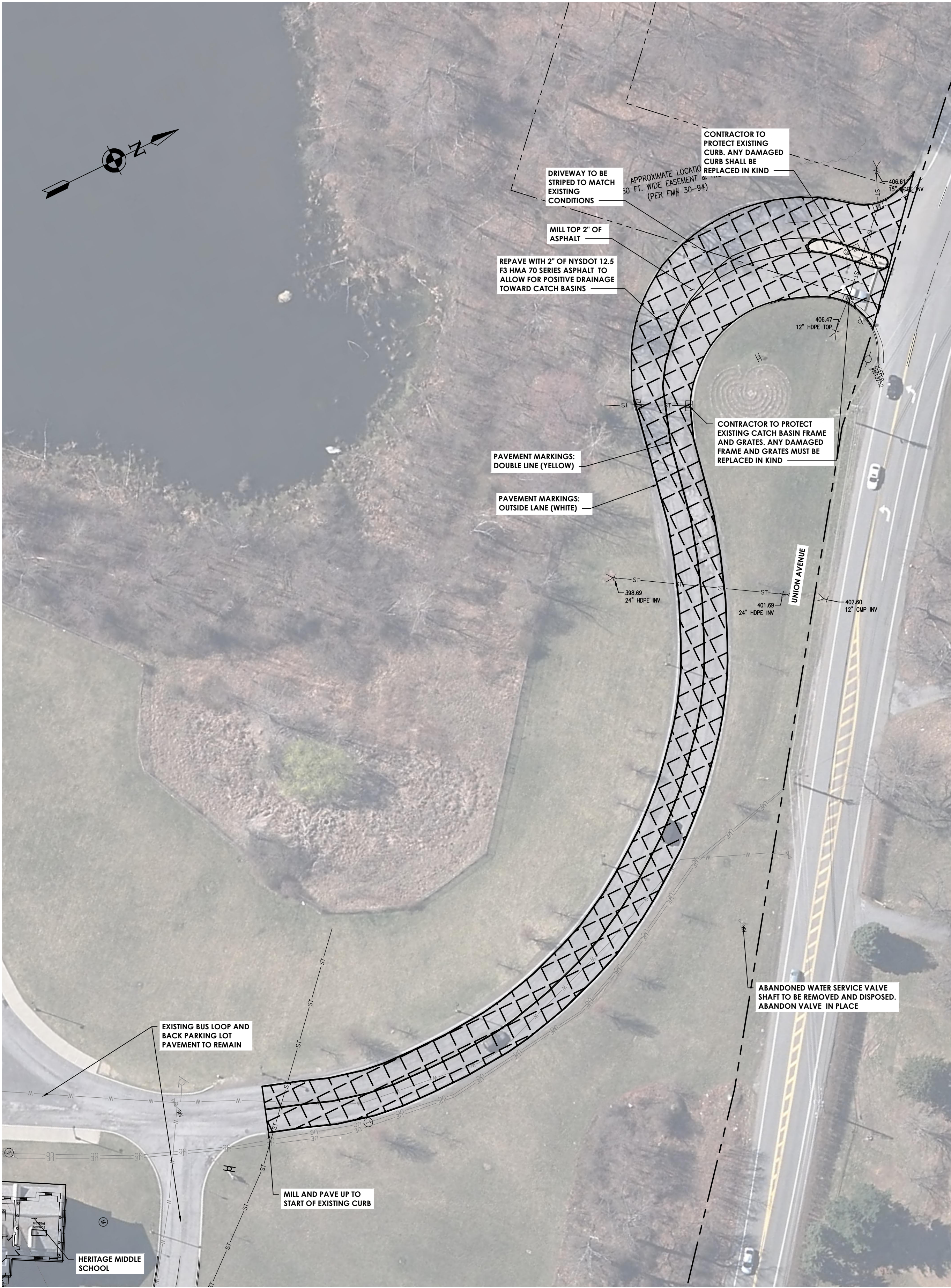
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C101**



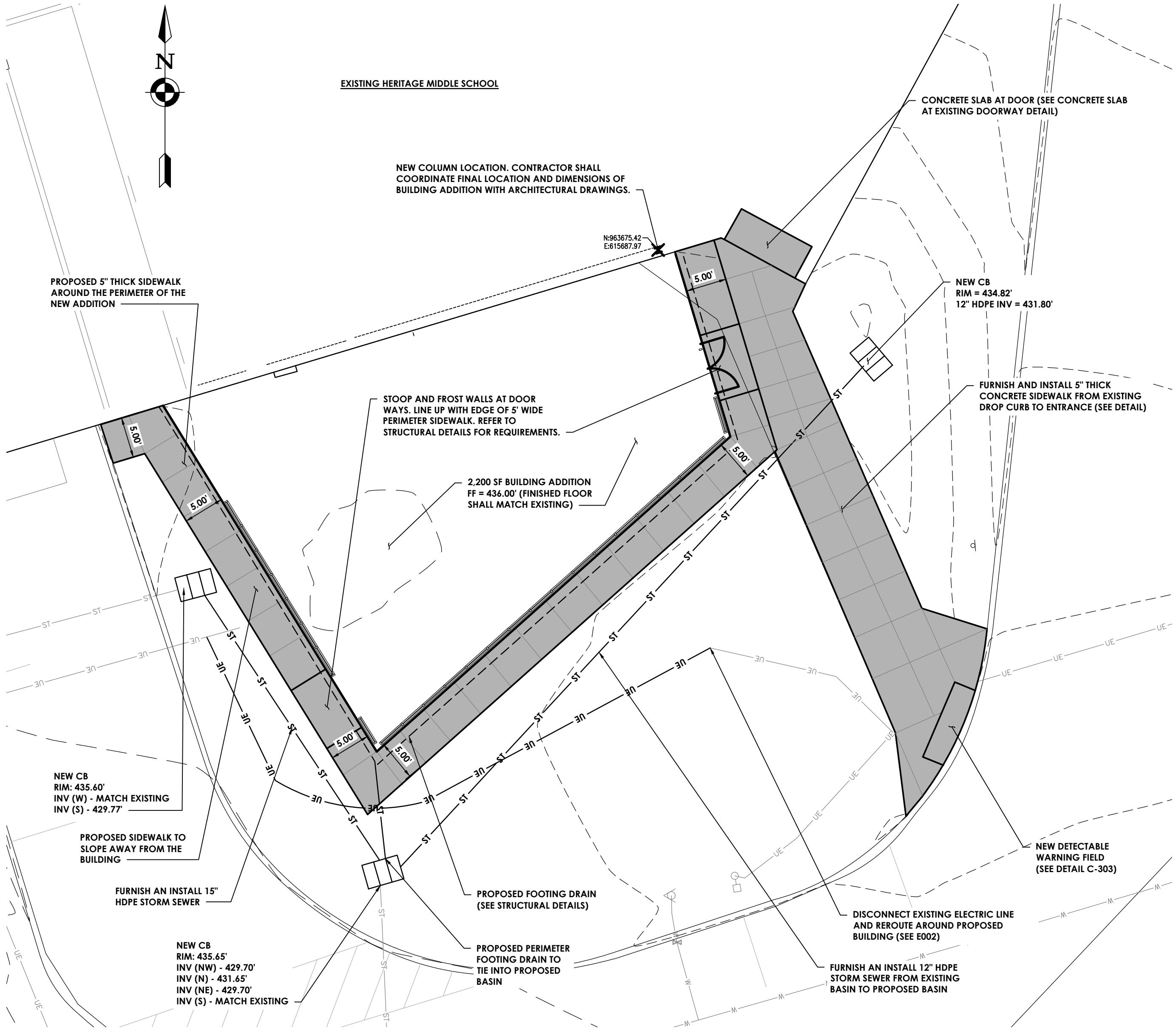
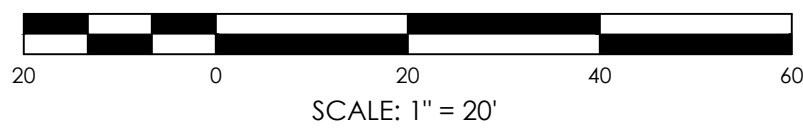




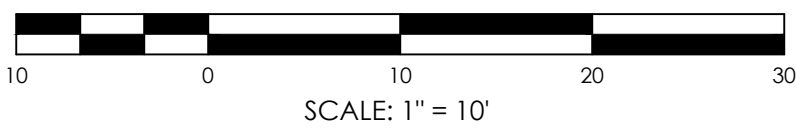
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Plotted By: Sean Gordon  
Date last plotted: 7/29/2021 1:20 PM  
Date last accessed: 7/28/2021 12:18 PM  
Drawing Number: 3042



C201/A - DRIVEWAY ENTRANCE



C201/B - BUILDING ADDITION EXTERIOR

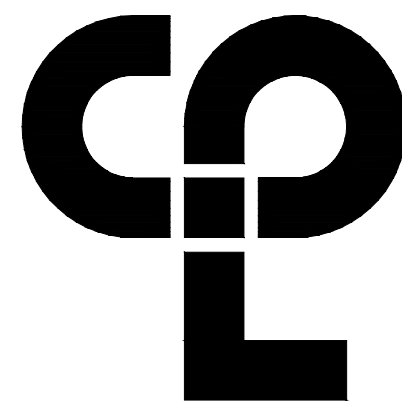


DESIGN LINETYPE LEGEND

	PROPOSED	CHAIN LINK FENCE
	PROPOSED	PARCEL LINE
	PROPOSED	PARCEL SETBACK
	PROPOSED	WATERBODY EDGE
	PROPOSED	WETLAND
	PROPOSED	UNDERGROUND CABLE TV
	PROPOSED	UNDERGROUND ELECTRIC
	PROPOSED	UNDERGROUND FUEL SYSTEMS
	PROPOSED	UNDERGROUND NATURAL GAS
	PROPOSED	UNDERGROUND SANITARY SEWER
	PROPOSED	UNDERGROUND SANITARY FORCE MAIN
	PROPOSED	UNDERGROUND FOOTING DRAIN
	PROPOSED	UNDERGROUND STORM SEWER
	PROPOSED	UNDERGROUND TELEPHONE
	PROPOSED	UNDERGROUND WATER SUPPLY

HATCH LEGEND

	PROPOSED BUILDING		PROPOSED MILL AND PAVE
	PROPOSED CONCRETE		PROPOSED CONCRETE SCORING



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SHEET INFORMATION

Issued  
9/9/2021

Scale  
N/A

Drawn by  
CONSTRUCTION DOCUMENTS

Drawn by  
SHC

Checked by  
JB

Drawing Title  
SITE PLAN (2 OF 2)

Drawing Number

HMS  
C201



Plotted By: Sean Gordon

Date last plotted: 7/29/2021 1:25 PM

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## GENERAL NOTES

- ALL PRIME CONTRACTORS ARE RESPONSIBLE FOR SECURING THE PROJECT SITE AT THE END OF EACH WORK DAY. ALL MAN AND EQUIPMENT GATES TO REMAIN CLOSED DURING THE WORK DAY, TO PREVENT PATRONS AND STAFF FROM ENTERING THE CONSTRUCTION WORK AREAS. IF TEMPORARY CONSTRUCTION FENCING IS REMOVED TO ACCESS ACTIVE WORK AREAS, IT MUST BE IMMEDIATELY RESTORED UPON COMPLETION OF WORK OR AT THE END OF THE WORK DAY.
- THE LOCATIONS, SIZES AND ELEVATIONS OF EXISTING UTILITIES ARE BASED ON INFORMATION COMPILED BY THE ENGINEER FROM DRAWINGS OF RECORDS AND INFORMATION FURNISHED BY THE VARIOUS UTILITIES. WITH FIELD SURVEY VERIFICATION WHERE NECESSARY AND POSSIBLE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO HAVE THIS INFORMATION VERIFIED AND LOCATED PRIOR TO CONSTRUCTION. NO CONSTRUCTION EXCAVATION, OR BORING SHALL BE DONE WITHOUT CERTIFICATION OF THE DEPTH AND LOCATION OF UTILITIES. CALL DIG SAFELY NY AT 811 AT LEAST 48 HOURS PRIOR TO COMMENCING WORK.
- CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING EXISTING MEASUREMENTS AND ELEVATIONS OF STRUCTURES PRIOR TO COMMENCING WORK. IF NO PROPOSED GRADES ARE GIVEN IN AREAS OF NEW WORK IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM GRADES AND MEET EXISTING. IF CONTRACTOR HAS QUESTIONS ABOUT GRADE THEY SHOULD REACH OUT TO ENGINEER PRIOR TO DEMOLITION.
- CONTRACTOR TO PROTECT ALL EXISTING SURFACES AND STRUCTURES WHICH ARE OUTSIDE THE SCOPE OF WORK. CONTRACTOR TO REPAIR/REPLACE ANY DAMAGED SURFACES OR STRUCTURES IN KIND TO OWNERS SATISFACTION AT NO EXPENSE TO THE OWNER.
- DELIVERIES TO BE COORDINATED AROUND THE SCHOOL'S DAILY OPERATIONS AND WITH THE CONSTRUCTION MANAGER.

## DEMOLITION NOTES

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

## CONCRETE WASHOUT FACILITY NOTES:

### CONDITIONS WHERE PRACTICE APPLIES:

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

### DESIGN CAPACITY:

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

### LOCATION:

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

### LINER:

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

### MAINTENANCE:

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

## ASPHALT PAVEMENT & STRIPING NOTES:

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

## SEDIMENT AND EROSION CONTROL NOTES

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

## SIDEWALK NOTES

### GENERAL:

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

## TOPSOIL AND SEEDING NOTES:

### SEEDING NOTES:

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

### 2. SEED MIXTURES:

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

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

FOR USE ON LAWN AREAS (AREAS TO BE MAINTAINED)

ALTERNATE A (SUNNY SITE)  
85% KENTUCKY BLUE GRASS BLEND: 85-114 LBS PER ACRE  
20% PERENNIAL RYEGRASS: 26-35 LBS PER ACRE  
15% FINE FESCUE: 19-26 LBS PER ACRE  
TOTAL: 130-175 LBS PER ACRE

ALTERNATE B (SHADY SITE)  
80% KENTUCKY BLUE GRASS BLEND\*: 105-138 LBS PER ACRE  
20% PERENNIAL RYEGRASS: 25-37 LBS PER ACRE  
TOTAL: 130-175 LBS PER ACRE  
\* SHADE TOLERANT

- APPLY SEED UNIFORMLY BY HAND, CYCLONE SEEDER, OR HYDRO SEEDER (SLURRY INCLUDING SEED AND FERTILIZER). HYDRO-SEEDINGS, WHICH INCLUDE MULCH, MAY BE LEFT ON SOIL SURFACE. SEEDING RATES MUST BE INCREASED 10% WHEN HYDRO-SEEDING.

- MULCH SEEDED AREAS WITH STRAW MULCH (2000 LBS PER ACRE).

- IRRIGATE TO FULLY SATURATE SOIL LAYER, BUT NOT TO DISLodge PLANTING SOIL.

- SEED BETWEEN APRIL 1ST AND MAY 15TH OR AUGUST 15TH AND OCTOBER 15TH. SEEDING MAY OCCUR BETWEEN MAY 15TH AND AUGUST 15TH IF ADEQUATE IRRIGATION IS PROVIDED.

### TOPSOIL APPLICATION NOTES:

- TOPSOIL SHALL BE DISTURBED TO A UNIFORM DEPTH OVER THE AREA. IT SHALL NOT BE PLACED WHEN IT IS PARTIALLY FROZEN, MUDDY OR ON FROZEN SLOPES OVER ICE, SNOW OR STANDING WATER.

- TOPSOIL PLACED AND GRADED ON SLOPES STEEPER THAN 5% SHALL BE PROMPTLY FERTILIZED, SEEDED AND STABILIZED BY "TRACKING" WITH SUITABLE EQUIPMENT.

- APPLY TOPSOIL IN THE FOLLOWING AMOUNTS FOR INTENDED USE:

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

- COMPLETE ROUGH GRADING AND FINAL GRADE, ALLOWING FOR DEPTH OF TOPSOIL TO BE ADDED. SCARIFY ALL COMPACT, SLOWLY PERMEABLE, MEDIUM AND FINE TEXTURED SUBSOIL AREAS. SCARIFY AT APPROXIMATELY RIGHT ANGLES TO THE SLOPE DIRECTION IN SOIL AREAS THAT ARE STEEPER THAN 5%.

- REMOVE REFUSE, WOODY PLANT PARTS, STONES OVER 3 INCHES IN DIAMETER, AND OTHER LITTER.

### TOPSOIL MATERIAL NOTES:

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

TOPSOIL SHALL HAVE AT LEAST 2%, BUT NOT MORE THAN 6% BY WEIGHT OF FINE TEXTURED STABLE ORGANIC MATERIAL.

TOPSOIL SHALL HAVE NOT LESS THAN 20% FINE TEXTURED MATERIAL (PASSING THE NO. 200 SIEVE) AND NOT MORE THAN 15% CLAY.

TOPSOIL SHALL BE RELATIVELY FREE OF STONES OVER 1" DIAMETER, THRASH, NOXIOUS WEEDS, AND WILL HAVE LESS THAN 10% GRAVEL BY VOLUME.

### INSPECTION & MAINTENANCE NOTES:

- TEMPORARY SEEDING AND PLANTING WILL BE INSPECTED FOR BARE SPOTS, WASHOUTS, AND UNHEALTHY GROWTH.

- TEMPORARY SEEDINGS SHALL BE PERIODICALLY INSPECTED. AT A MINIMUM 95% OF THE SOIL SURFACE SHOULD BE COVERED BY VEGETATION. IF ANY EVIDENCE OF EROSION OR SEDIMENTATION IS APPARENT, REPAIRS SHALL BE MADE AND OTHER TEMPORARY MEASURES USED IN THE INTERIM. (MULCH, FILTER BARRIERS, CHECK DAMS, ETC.)

- ALL MULCHES MUST BE INSPECTED PERIODICALLY, IN PARTICULAR AFTER RAINSTORMS, TO CHECK FOR BILL EROSION. IF LESS THAN 90% OF THE SOIL SURFACE IS COVERED BY MULCH, ADDITIONAL MULCH SHALL BE APPLIED IMMEDIATELY.

- AERATE COMPACTED OR HEAVY USED AREAS, ANNUALLY AS SOON AS THE SOIL MOISTURE CONDITIONS PERMIT. AERATE AREA 4 TO 8 TIMES USING A SPOON HOLLOW TINE TYPE AERATION. DO NOT USE SPIKE EQUIPMENT.

- RESEED BARE AND THIN AREAS ANNUALLY WITH ORIGINAL SPECIES.

- SOIL SHALL MAINTAIN A pH OF 6.0-7.0.

## STORM SEWER GENERAL NOTES:

- ALL WORK IS TO BE COMPLETED IN ACCORDANCE WITH NYSDEC, USACE, OSHA, SULLIVAN COUNTY, AND LOCAL COMMUNITY REQUIREMENTS.

- THE LOCATIONS, SIZES AND ELEVATIONS OF EXISTING UTILITIES ARE BASED ON INFORMATION COMPILED BY THE ENGINEER FROM DRAWINGS OF RECORDS AND INFORMATION FURNISHED BY THE VARIOUS UTILITIES. WITH FIELD CHECKING WHERE NECESSARY AND POSSIBLE. THE ACCURACY OF THIS INFORMATION IS NOT GUARANTEED AND MAY BE APPROXIMATE ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO HAVE THIS INFORMATION VERIFIED AND LOCATED PRIOR TO CONSTRUCTION. NO CONSTRUCTION EXCAVATION, BORING, OR BLASTING SHALL BE DONE WITHOUT CERTIFICATION OF THE DEPTH AND LOCATION OF UTILITIES. CALL DIG SAFELY NEW YORK (UPPO) AT 1-(800)-962-7962 AT LEAST 48 HOURS PRIOR TO COMMENCING WORK.

- THE APPROXIMATE LOCATION OF THE PROPOSED STORM SEWER IS INDICATED ON THE PLANS. HOWEVER THE ACTUAL LOCATION WILL BE GOVERNED BY THE ACTUAL LOCATION OF THE UNDERGROUND UTILITIES OR OTHER CONTROLLING FACTORS AS DETERMINED BY THE ENGINEER DURING CONSTRUCTION.

- HIGHWAY DRAINAGE SHALL BE MAINTAINED THROUGHOUT THE PERIOD OF CONSTRUCTION. THE ROADS SHALL BE KEPT CLEAN OF MUD AND DEBRIS AT ALL TIMES.

- SAFE AND CONTINUOUS THROUGH TRAFFIC AND INGRESS AND EGRESS FOR ADJACENT OWNER DRIVEWAYS, SERVICE ROADS AND PUBLIC STREETS SHALL BE MAINTAINED THROUGHOUT THE PERIOD OF CONSTRUCTION.

- ALL EXISTING UTILITY LINES AND SERVICE LATERALS NEAR OR CROSSING THE NEW STORM SEWER SHALL BE PROTECTED, PRESERVED AND SUPPORTED AS NECESSARY AT THE CONTRACTOR'S EXPENSE.

- UTILITY POLES SHALL BE SUPPORTED, WHERE NECESSARY, AT NO ADDITIONAL COST TO THE OWNER.

- CONTRACTOR TO PROTECT NEW OR EXISTING WORK, SHEETING OR SHORING (IF REQUIRED DURING CONSTRUCTION) SHALL BE PROVIDED AT NO COST TO THE OWNER.

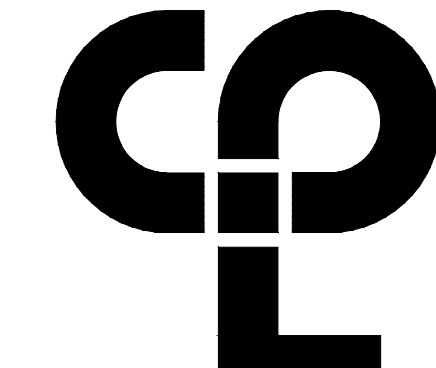
- WHEREVER MAILBOXES, POSTS, FENCES, SHRUBBERY, ETC. ARE IN CONFLICT WITH THE PROPOSED CONSTRUCTION, THEY SHALL BE REMOVED AND RESET AS ORDERED BY THE ENGINEER. COST TO BE INCLUDED IN THE VARIOUS ITEMS BID OF THE CONTRACT.

- CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER DISPOSAL OF EXCAVATED MATERIAL FROM THE SITE.

- THE CONTRACTOR SHALL CONFORM TO ALL CONDITIONS OF ANY APPLICABLE EASEMENTS OR PERMITS.

- MATERIALS, EQUIPMENT, AND VEHICLES ARE NOT TO BE STORED OR PARKED WITHIN THE RIGHT-OF-WAY.

- THE CONTRACTOR SHALL INCLUDE ALL COSTS FOR STORM SEWER ABANDONMENT WORK IN THE APPROPRIATE PAYMENT ITEMS, INCLUDING ABANDONING, REMOVAL AND PROPER DISPOSAL OF EXISTING STORM SEWER PIPES, STRUCTURES, LATERALS, AND APPURTENANCES, IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS AND AS SHOWN ON THE PLANS.



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

Project Number

13940.18

Client Name

NEWBURGH ENLARGED CITY

SCHOOL DISTRICT

Project Name

PHASE 3: HERITAGE MIDDLE

SCHOOL 2019 CAPITAL

IMPROVEMENT PROJECT

Project Address

405 Union Avenue, New Windsor, NY 12553

SED Number

44-16-00-01-0-039-011

### REVISION SCHEDULE

No.

Date

Description

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### SHEET INFORMATION

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9/9/2021

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CONSTRUCTION DOCUMENTS

Drawn by

SHC

Drawing Title

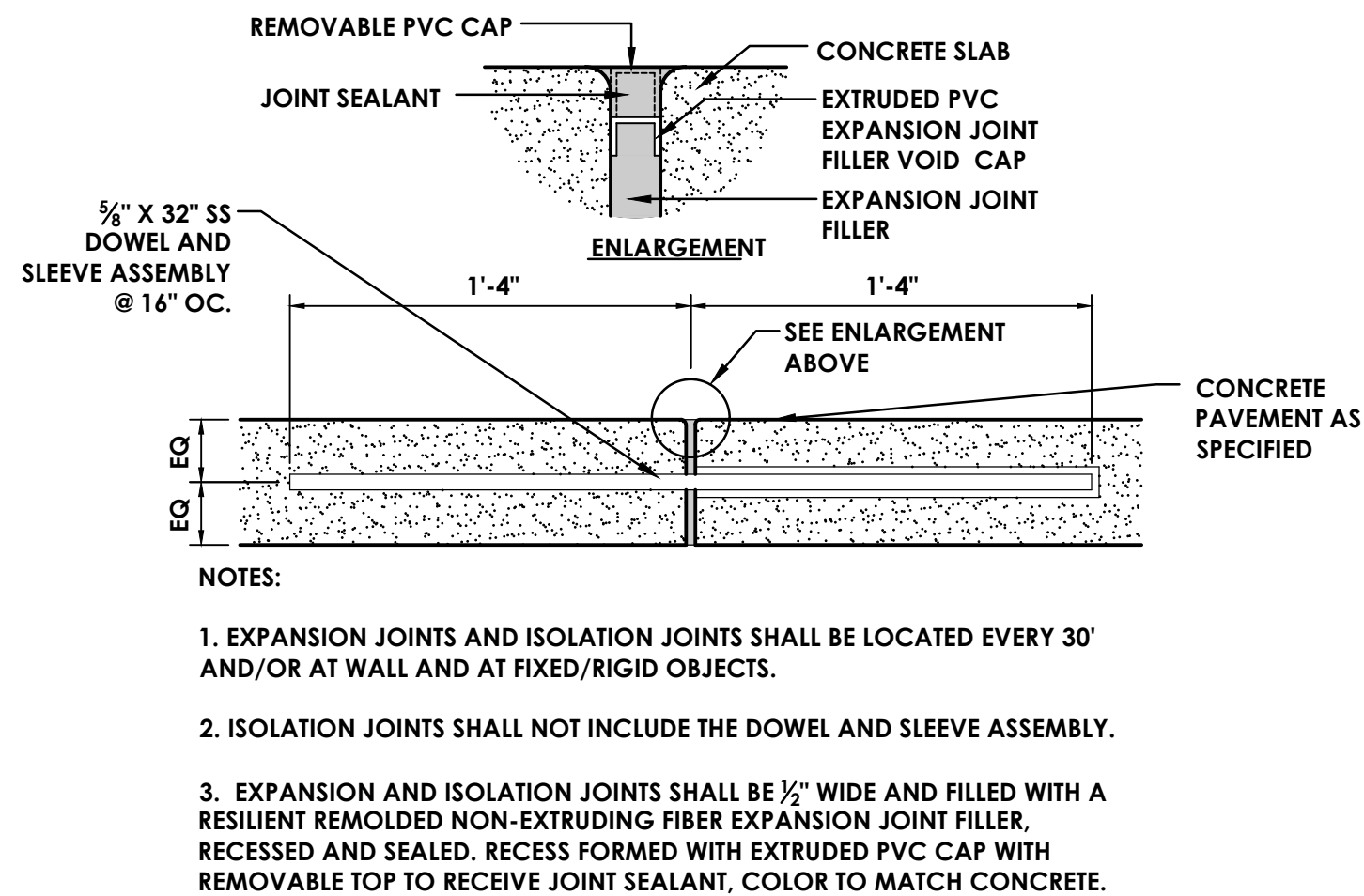
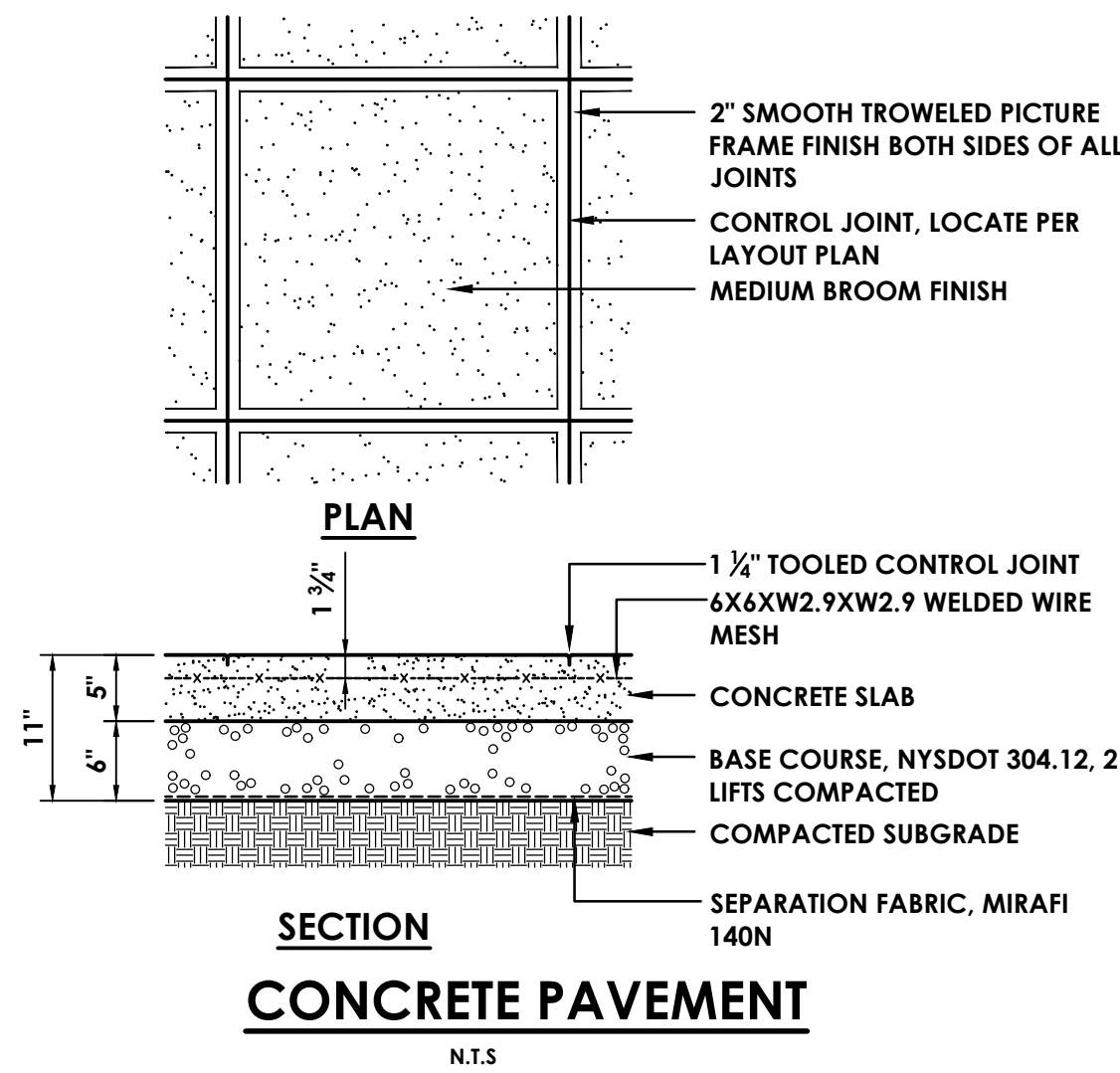
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Sheet Number

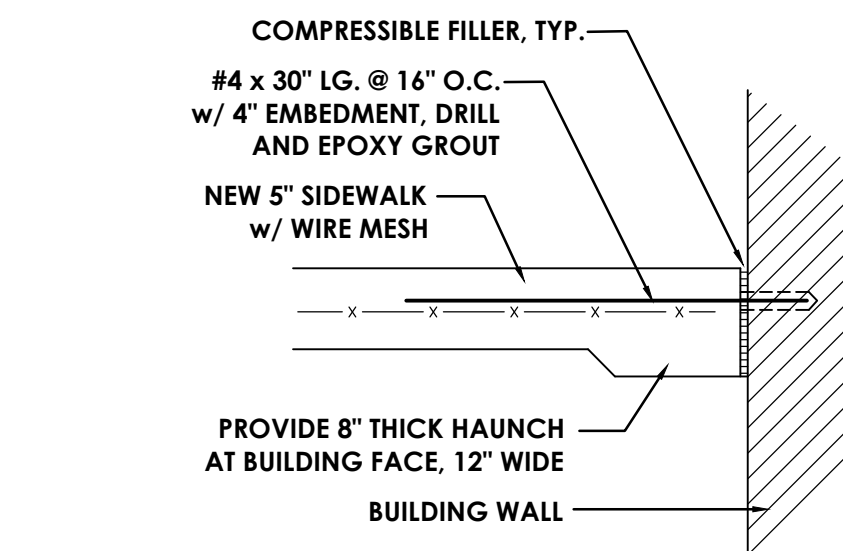
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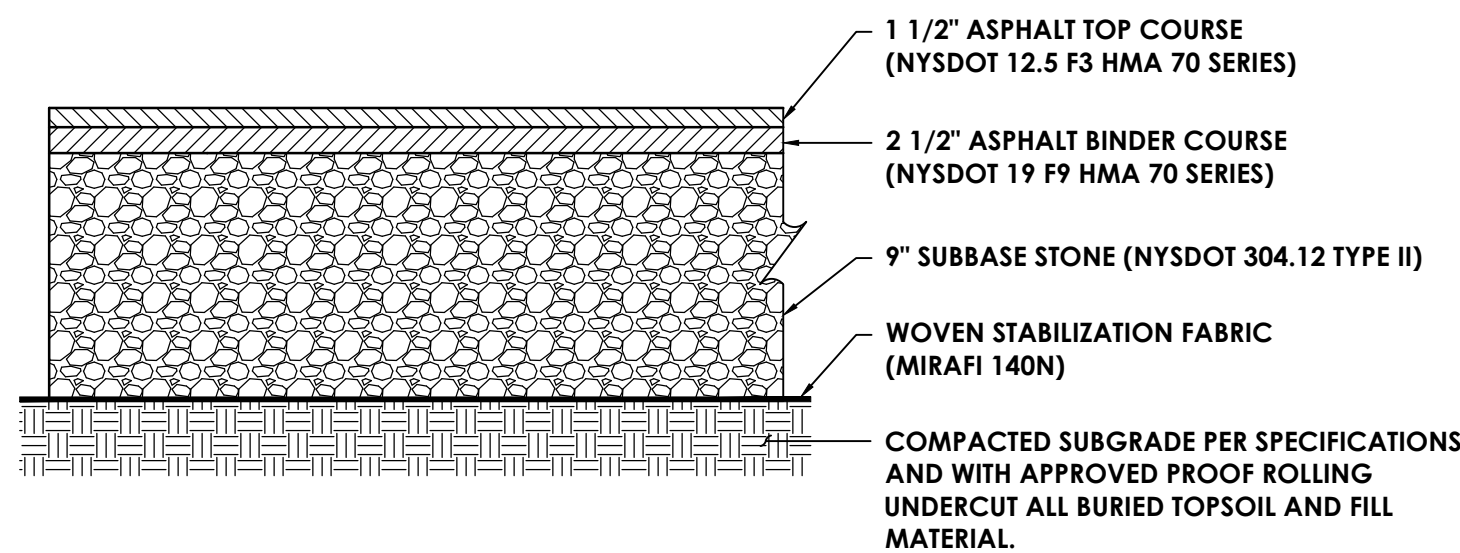


### EXPANSION/ISOLATION JOINT



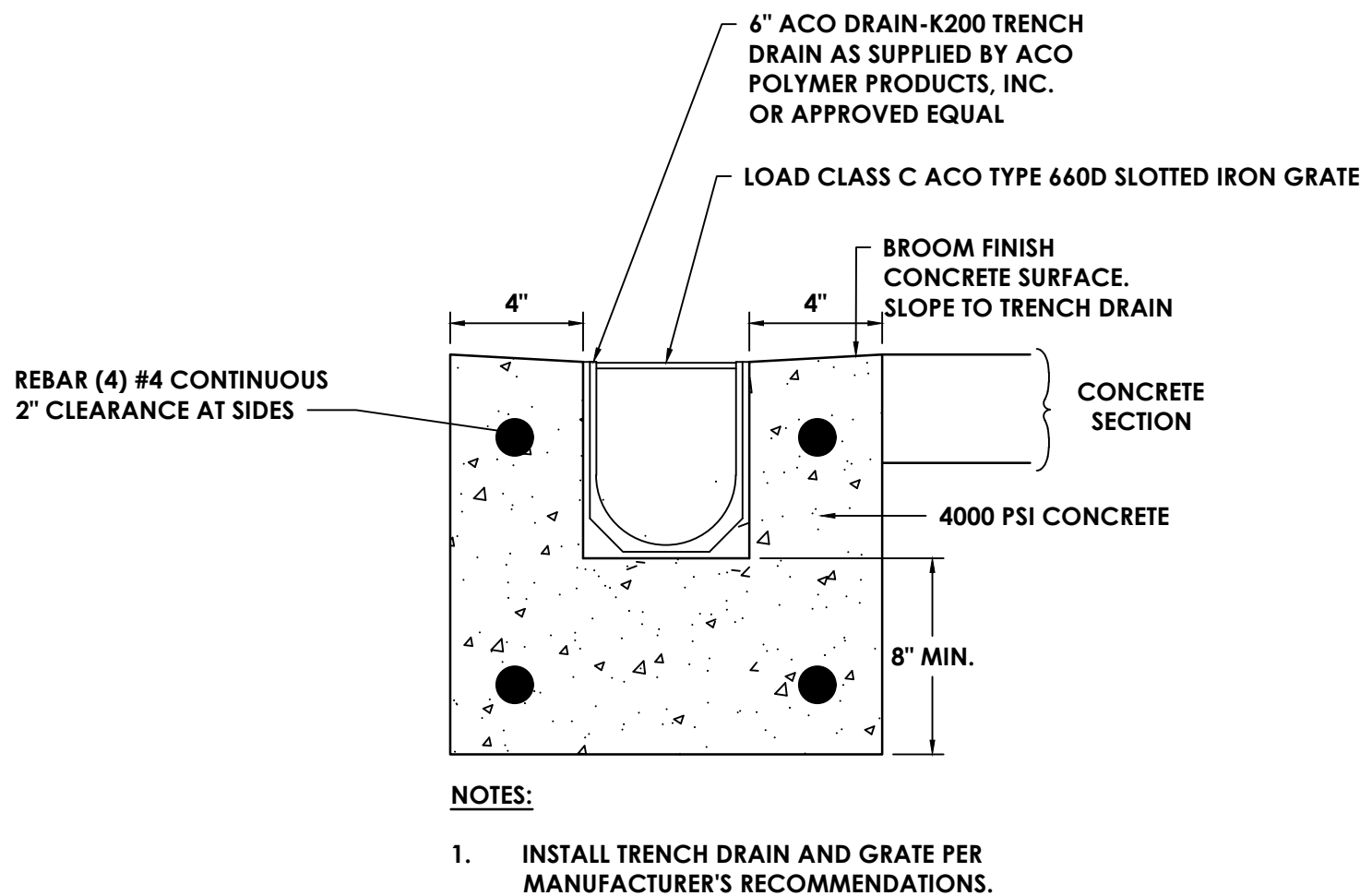
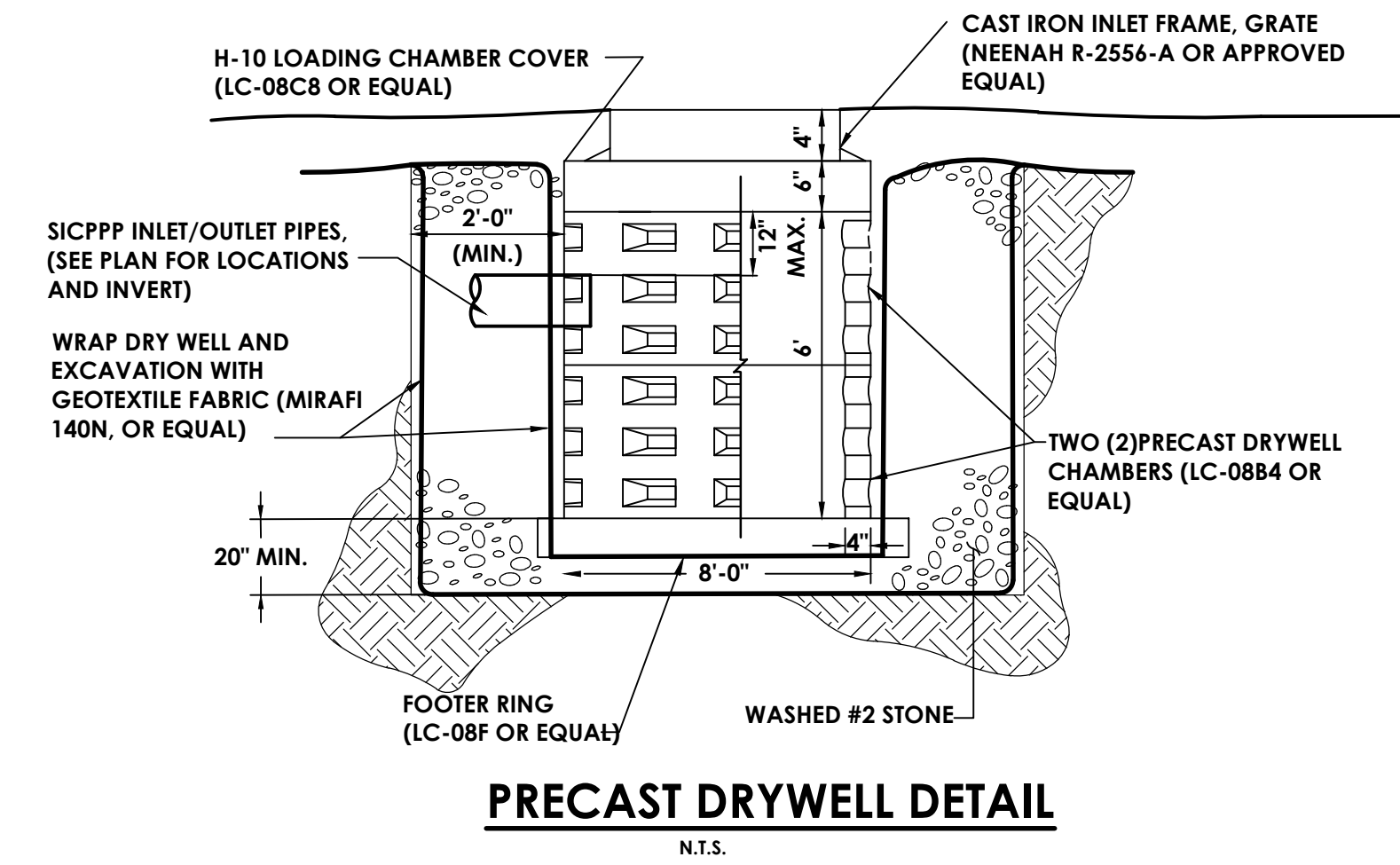
### CONCRETE SLAB AT EXISTING DOORWAY

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

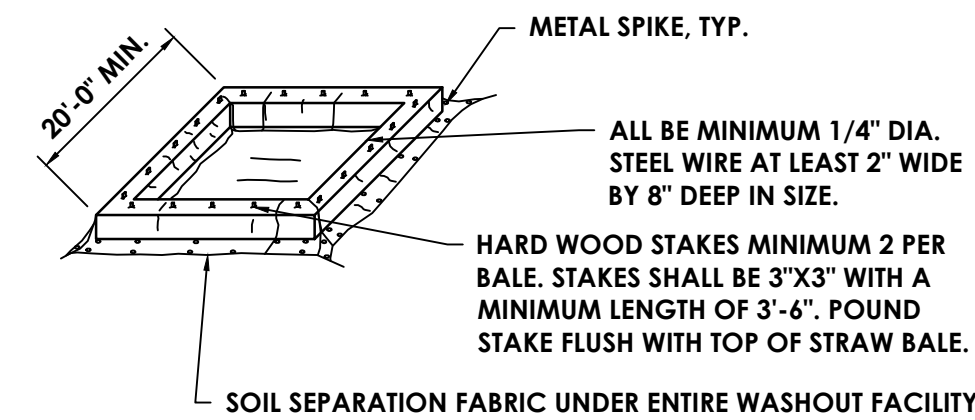
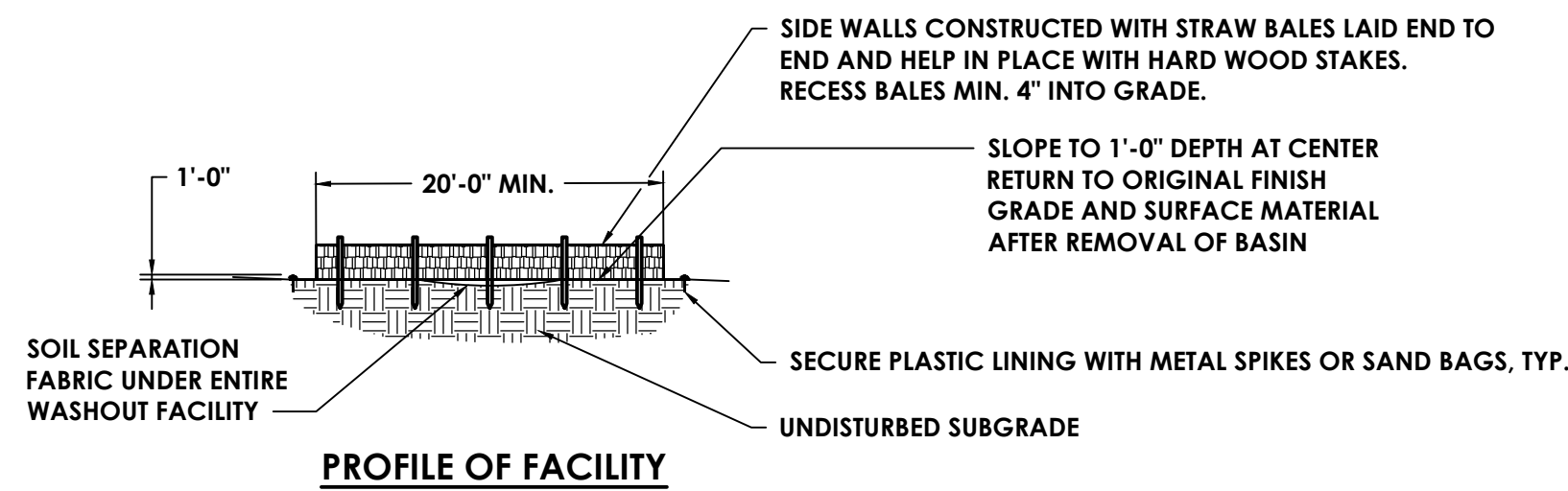


### STANDARD DUTY ASPHALT PAVEMENT SECTION

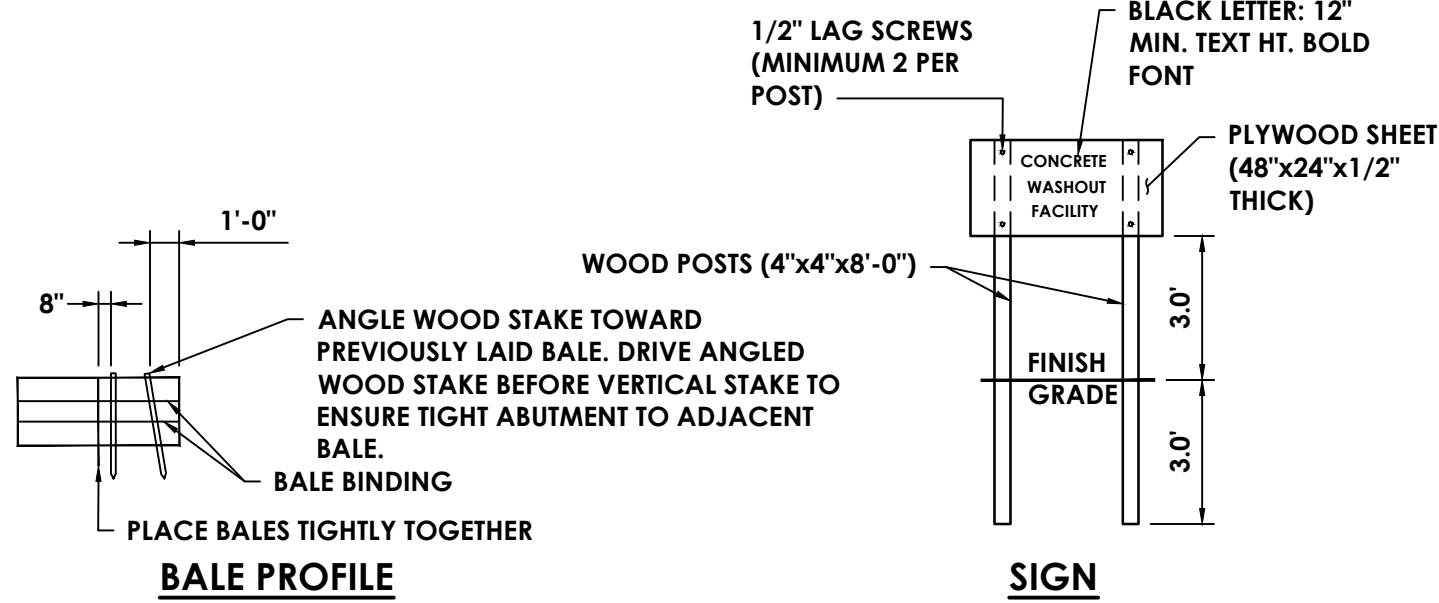
NOTE: CONTRACTOR SHOULD NOT NEED FULL DEPTH ASPHALT PAVEMENT. IF ANY EXISTING ASPHALT SURFACES ARE DAMAGED BY THE CONTRACTOR, THE CONTRACTOR WILL BE RESPONSIBLE TO REPAIR AS NEEDED TO THE OWNERS LIKING



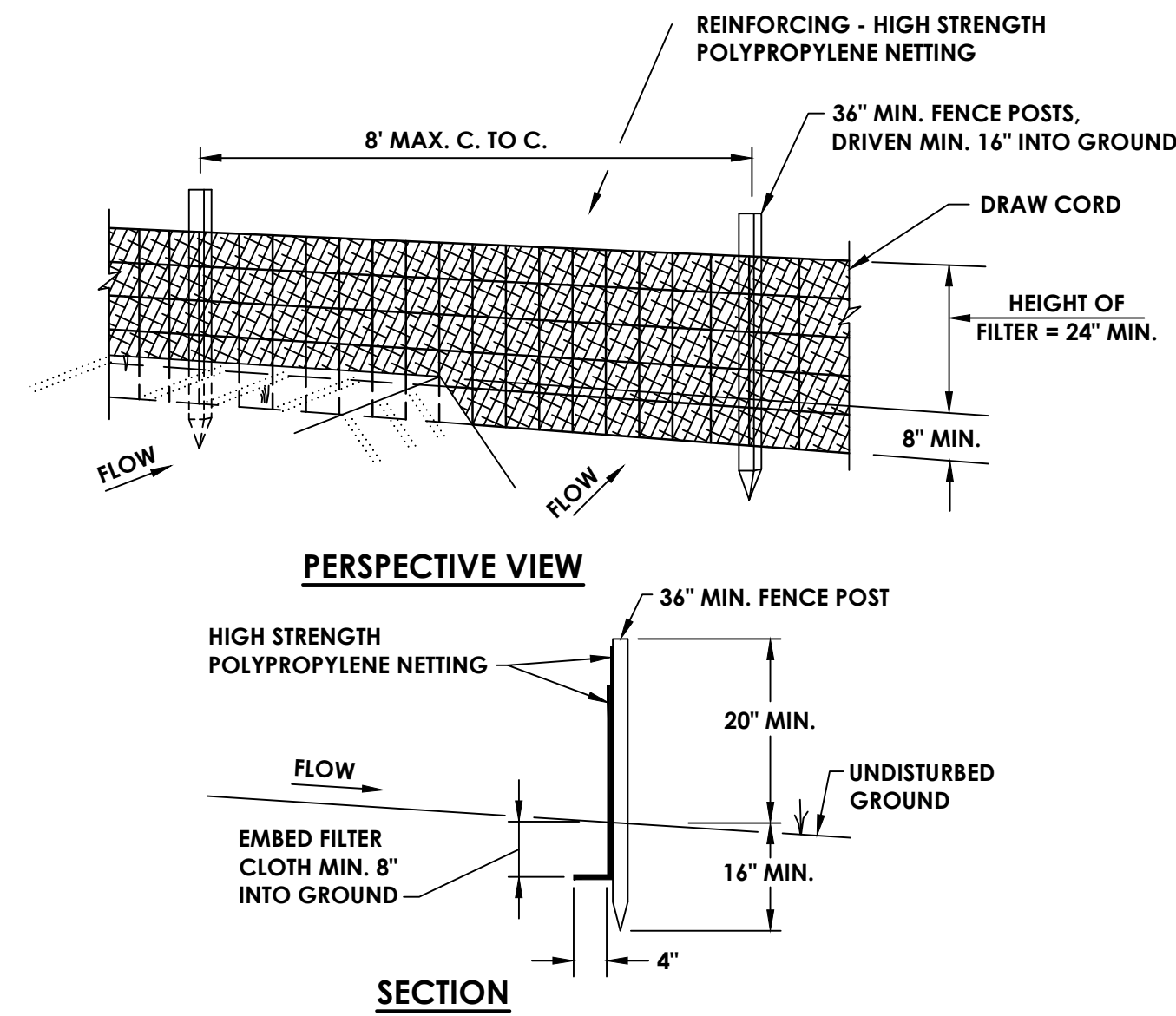
### TRENCH DRAIN



### ISOMETRIC VIEW OF FACILITY

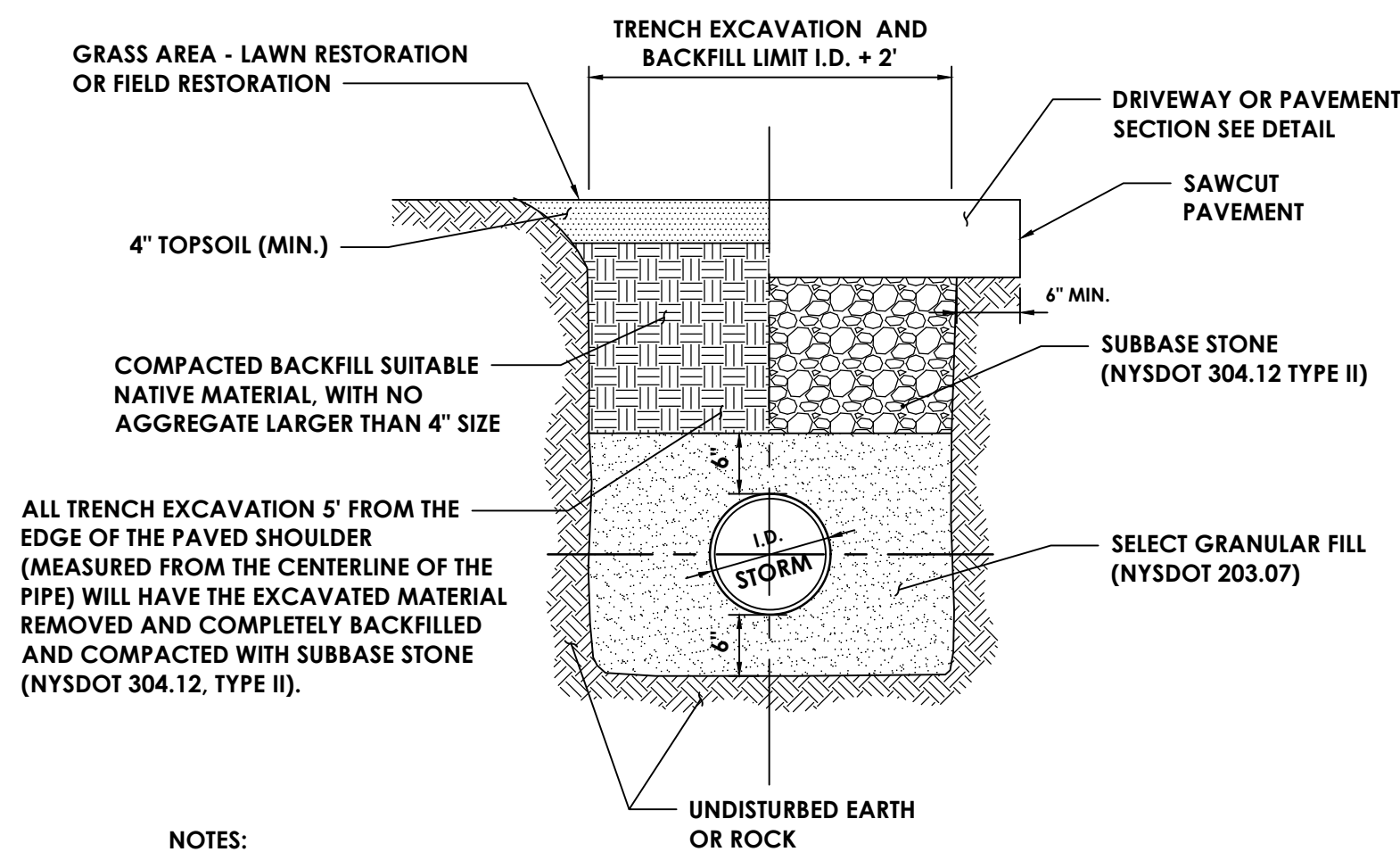


### CONCRETE TRUCK WASHOUT



- SILT FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH TIES OR STAPLES.
  - FILTER CLOTH TO BE FASTENED SECURELY TO POLYPROPYLENE NETTING WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. NETTING MAY BE INCORPORATED INTO FILTER CLOTH.
  - WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED.
  - MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.
- POSTS: STEEL EITHER T OR U TYPE OR 2" HARDWOOD.
- FENCE: HIGH STRENGTH POLYPROPYLENE NETTING
- FILTER CLOTH: MIRAFI 100X, STABILINKA T140N OR APPROVED EQUAL
- PREFABRICATED UNIT: GEOFAB, ENVIROFENCE, OR APPROVED EQUAL

### SILT FENCE DETAIL



### NOTES:

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

### STORM SEWER TRENCH

### PROJECT INFORMATION

Project Number  
13940.18  
Client Name

**NEWBURGH ENLARGED CITY SCHOOL DISTRICT**

**PHASE 3: HERITAGE MIDDLE SCHOOL 2019 CAPITAL IMPROVEMENT PROJECT**

Project Address  
405 Union Avenue, New Windsor, NY 12553

SID Number  
44-16-00-01-0-039-011

**REVISION SCHEDULE**  
No. Date Description

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JB

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DETAIL SHEET 1 OF 3

Drawing Number

**HMS**  
**C301**



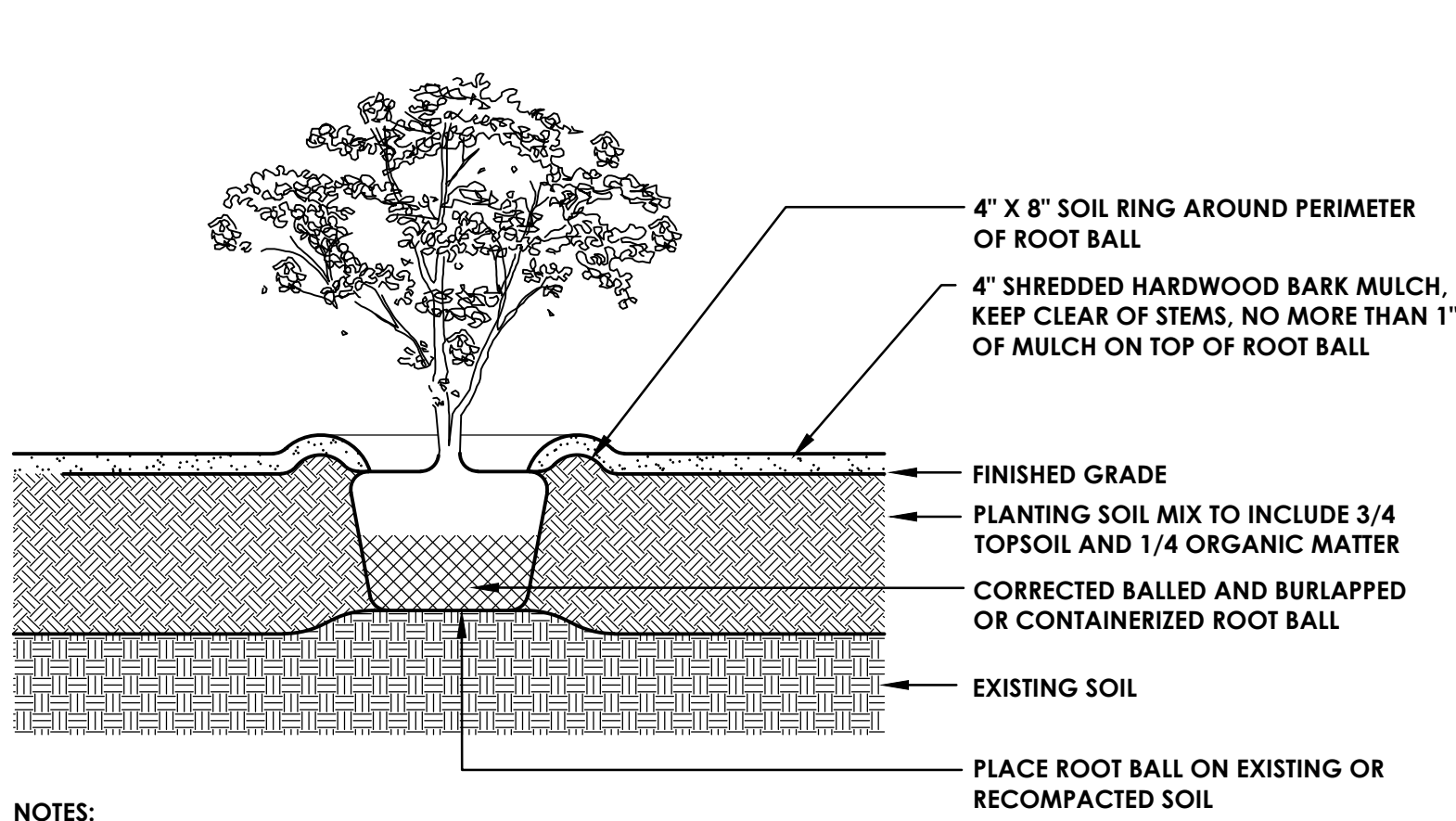
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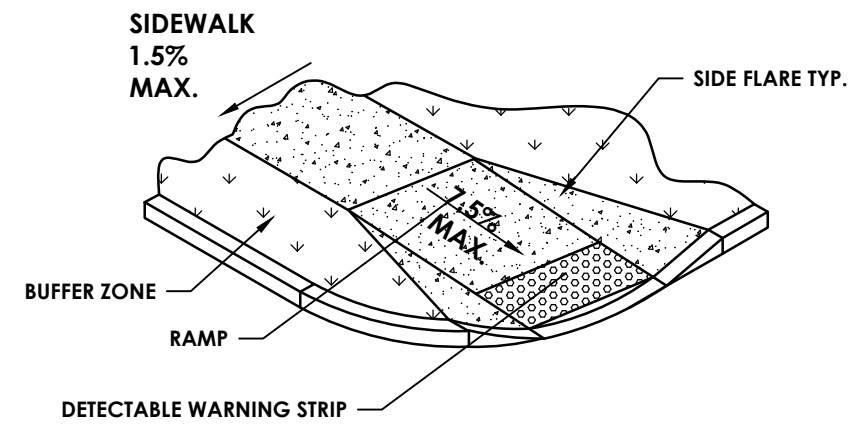


NOTES:

1. DO NOT HEAVILY PRUNE SHRUBS AT PLANTING. PRUNE ONLY CROSSOVER LIMBS, CO-DOMINANT LEADERS, AND BROKEN OR DEAD BRANCHES. SOME INTERIOR TWIGS AND LATERAL BRANCHES MAY BE PRUNED, HOWEVER, DO NOT REMOVE THE TERMINAL BUDS OF BRANCHES THAT EXTEND TO THE EDGE OF THE CROWN.
2. PRIOR TO MULCHING, LIGHTLY TAMP SOIL AROUND THE ROOT BALL IN 6" LIFTS TO BRACE SHRUB. DO NOT OVER COMPACT. WHEN PLANTING HOLE HAS BEEN BACKFILLED POUR WATER AROUND THE ROOT MASS TO SETTLE THE SOIL.
3. ROOT BALLS OF BOTH CONTAINERIZED AND BALLED AND BURLAPPED PLANTS SHALL BE CORRECTED PRIOR TO PLANTING PER THE ROOT BALL CORRECTION DETAILS.

**SHRUB**

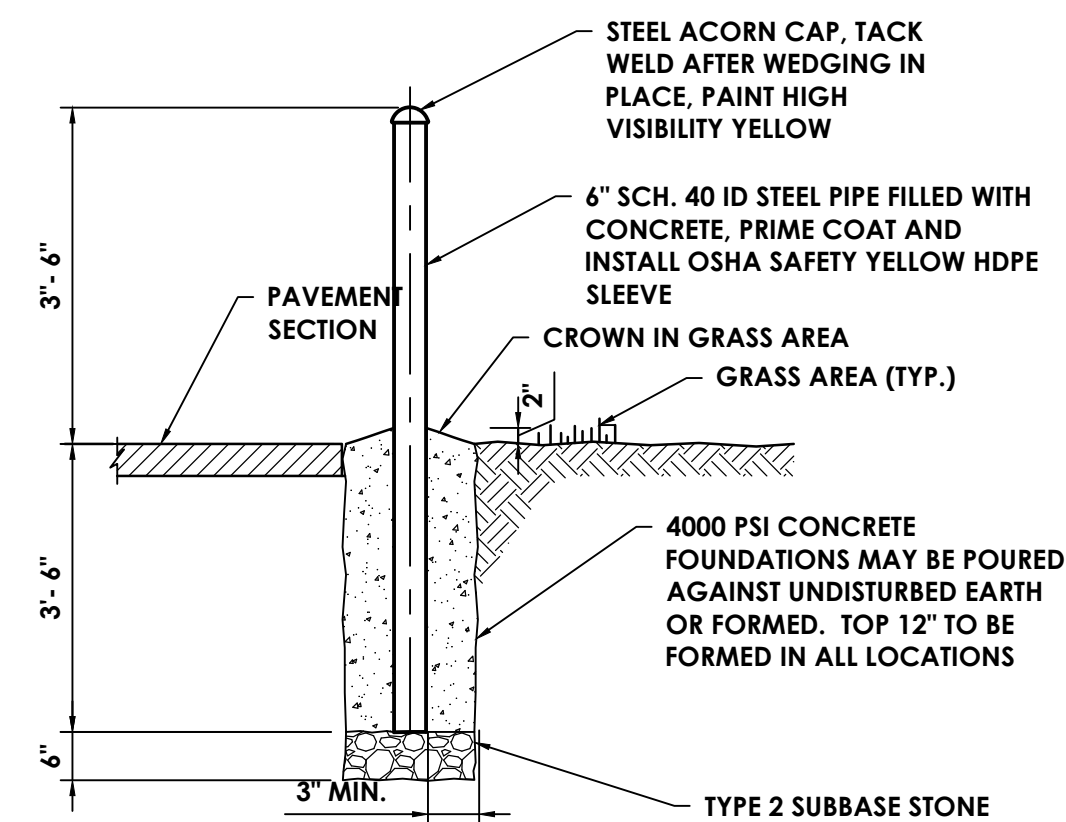
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NOTE: RAMP SIDE OPTIONS FOR USE WITHIN THE BUFFER ZONE. WHERE A PEDESTRIAN CIRCULATION PATH CROSSES THE CURB RAMP, FLARED SIDES SHALL BE INSTALLED WITH A MAXIMUM SLOPE OF 9.5% FOR DESIGN AND LAYOUT, AND 10% MAXIMUM FOR WORK ACCEPTANCE. THE SLOPE OF FLARED SIDES IS MEASURED PARALLEL TO THE CURB LINE.

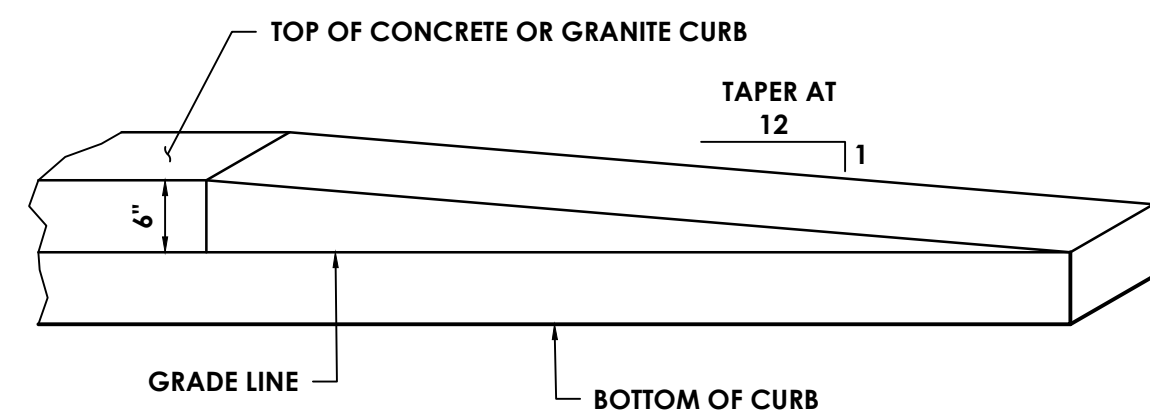
**SIDEWALK RAMP TYPE 'A' FLARED CONCRETE**

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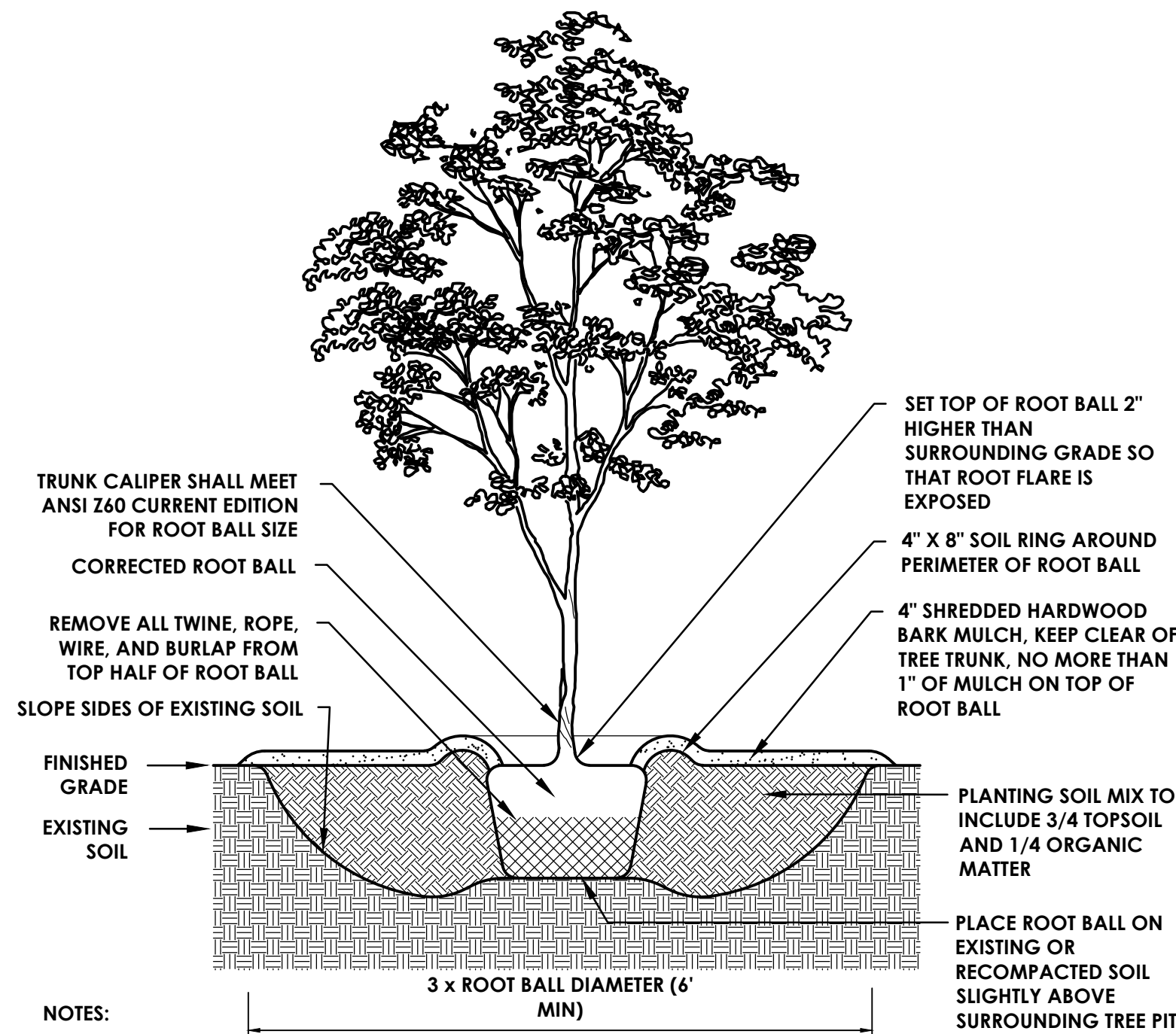
**BOLLARD**

N.T.S.



**CURB TRANSITION / TERMINAL**

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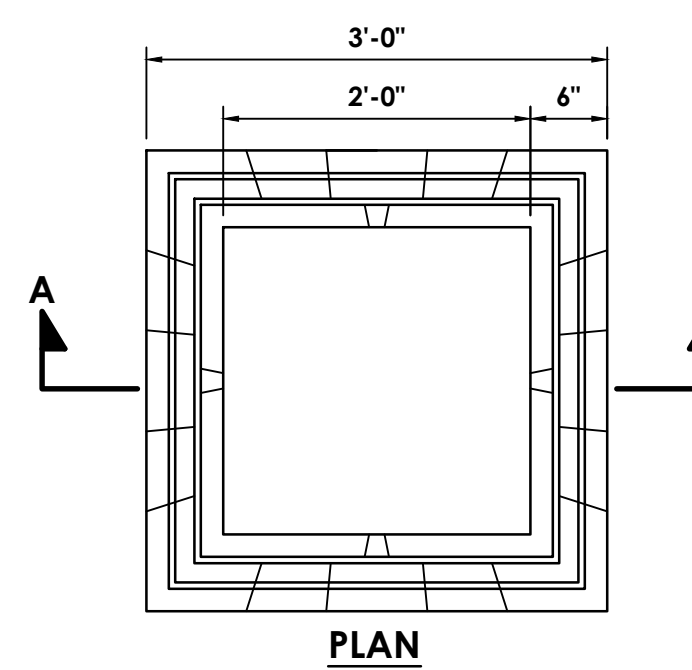


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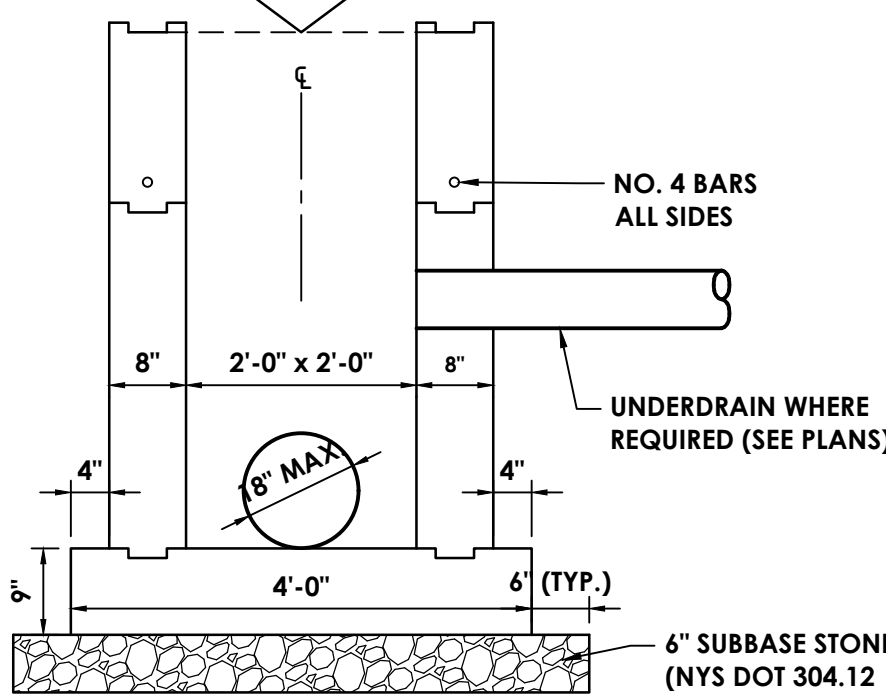
1. DO NOT HEAVILY PRUNE TREES AT PLANTING. PRUNE ONLY CROSSOVER LIMBS, CO-DOMINANT LEADERS, AND BROKEN OR DEAD BRANCHES. SOME INTERIOR TWIGS AND LATERAL BRANCHES MAY BE PRUNED, HOWEVER, DO NOT REMOVE THE TERMINAL BUDS OF BRANCHES THAT EXTEND TO THE EDGE OF THE CROWN.
2. PRIOR TO MULCHING, LIGHTLY TAMP SOIL AROUND THE ROOT BALL IN 6" LIFTS TO BRACE TREE. DO NOT OVER COMPACT. WHEN PLANTING HOLE HAS BEEN BACKFILLED POUR WATER AROUND THE ROOT BALL TO SETTLE THE SOIL.
3. STAKE TREES ONLY UPON THE APPROVAL OF THE LANDSCAPE ARCHITECT.
4. WRAP TREE TRUNKS ONLY UPON THE APPROVAL OF THE LANDSCAPE ARCHITECT.
5. MARK THE NORTH SIDE OF THE TREE AT THE NURSERY, AND ROTATE TREE TO FACE NORTH AT THE SITE WHENEVER POSSIBLE.
6. ROOT BALLS SHALL BE CORRECTED PRIOR TO PLANTING PER THE ROOT BALL CORRECTION DETAILS.

**TREE PIT**

N.T.S.



PLAN



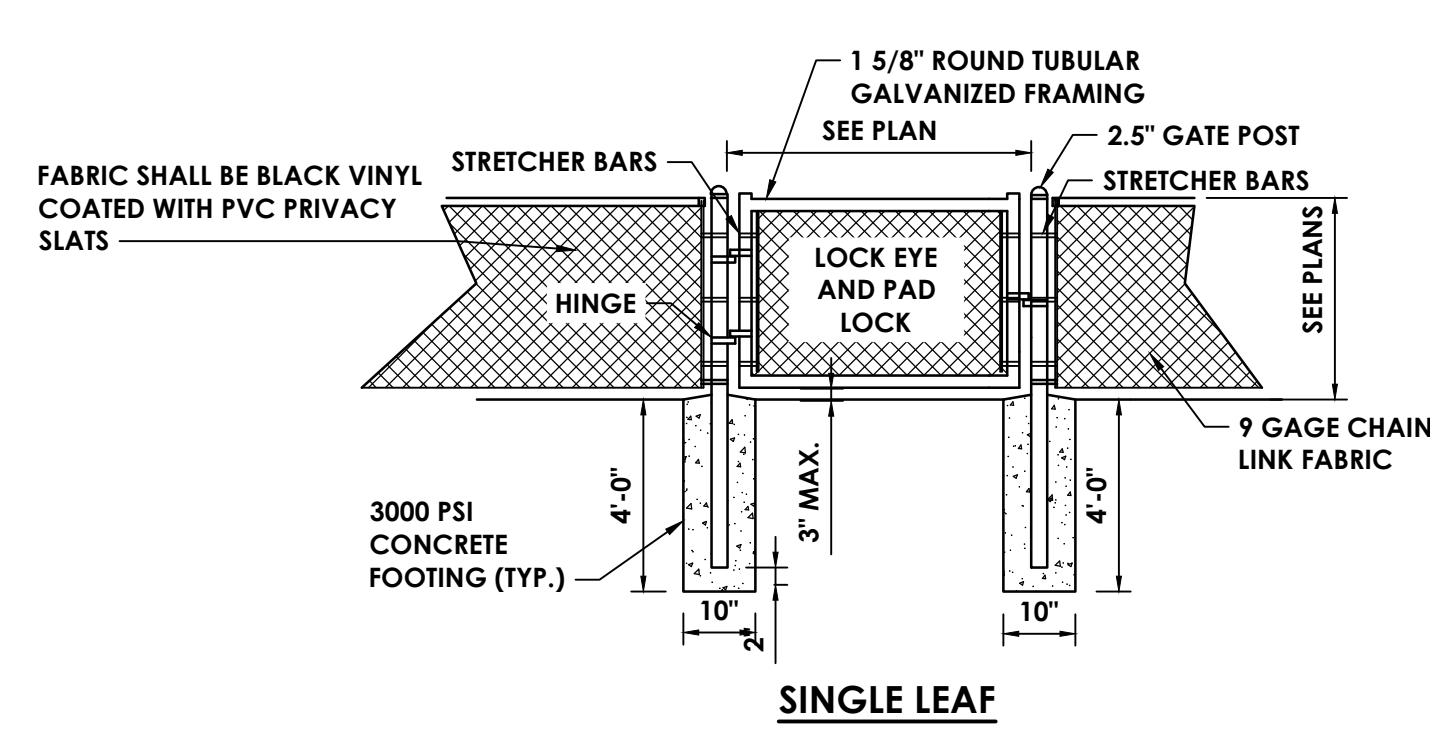
SECTION A-A

**2'x2' CATCH BASIN**

N.T.S.

NOTES:

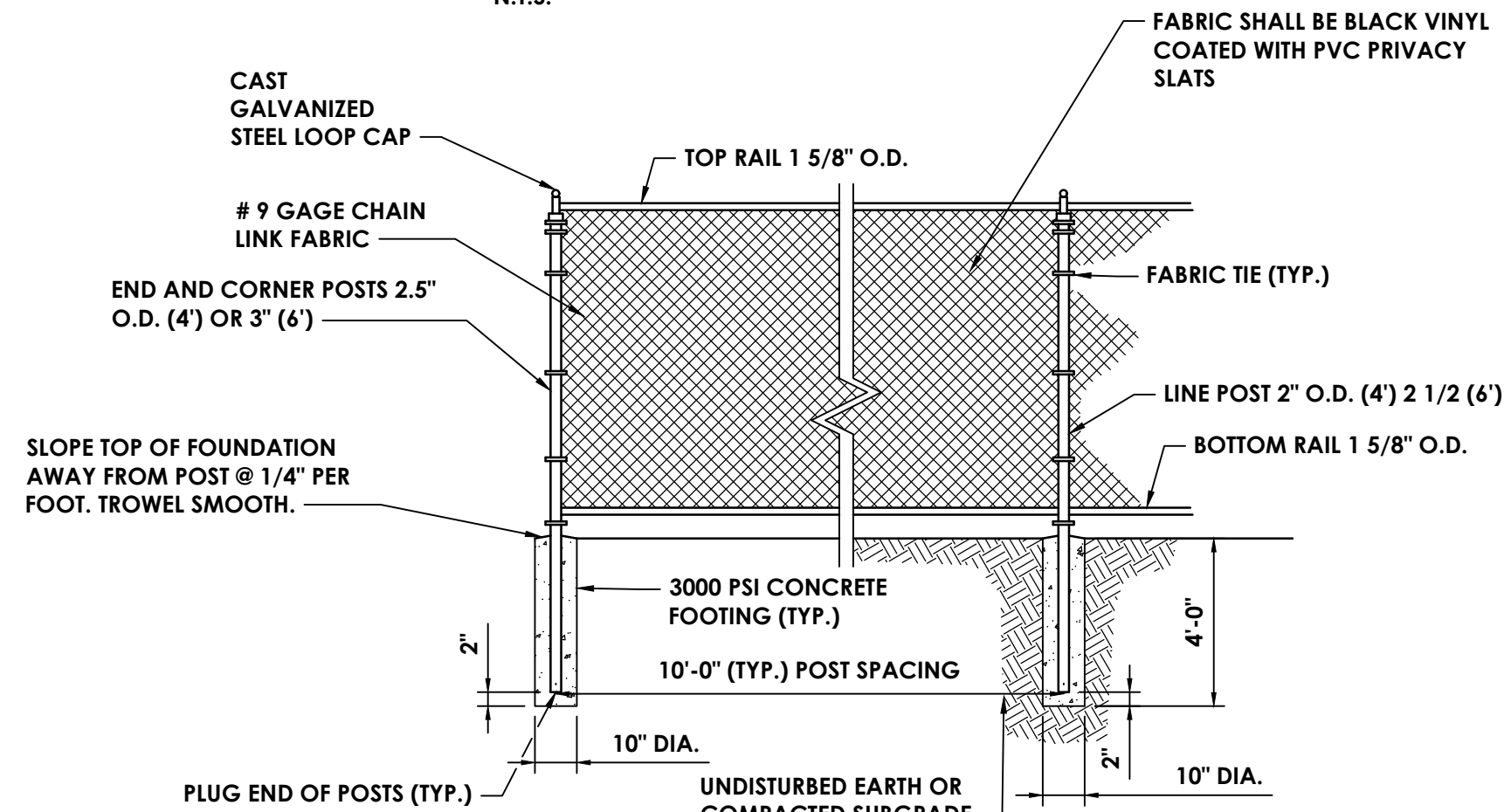
1. FRAME AND GRATE PROVIDE NEENAH R48328, HS-20-44 LOADING GRATE OR EQUAL.
2. REINFORCEMENT SHALL HAVE A COVER OF 2" UNLESS OTHERWISE SHOWN.
3. ALL CONCRETE FOR CATCH BASINS SHALL BE 4000 PSI CAST-IN-PLACE CONCRETE OR PRECAST CONCRETE.
4. FILL WITH CEMENT MORTAR AND SEAL WITH ASPHALT EMULSION TACK COAT BETWEEN FRAME AND CURB.
5. DESIGN LOADING: AASHTO H-20
6. THE INTERIOR AND EXTERIOR OF CATCH BASIN SHALL BE COATED WITH TWO COATS OF KOPPERS SUPER SERVICE BLACK OR APPROVED EQUAL.
7. WATER TIGHT GROUT ALL CONNECTIONS. USE NON-SHRINK GROUT.



SINGLE LEAF

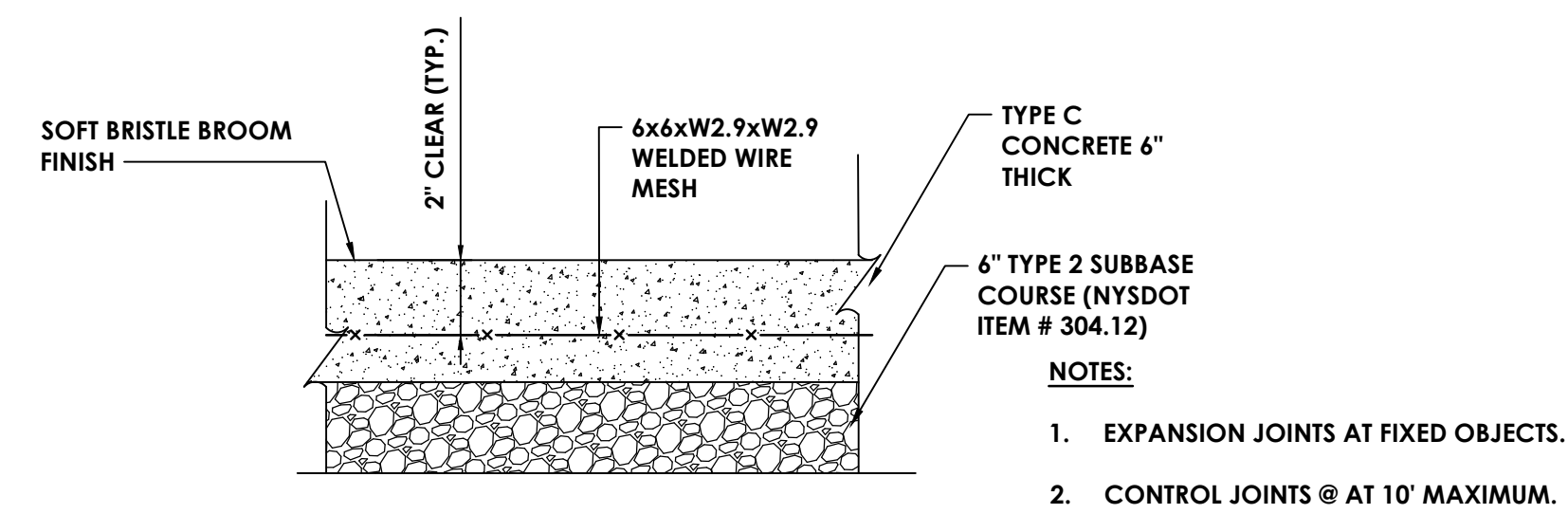
**6' CHAIN LINK SINGLE SWING GATE**

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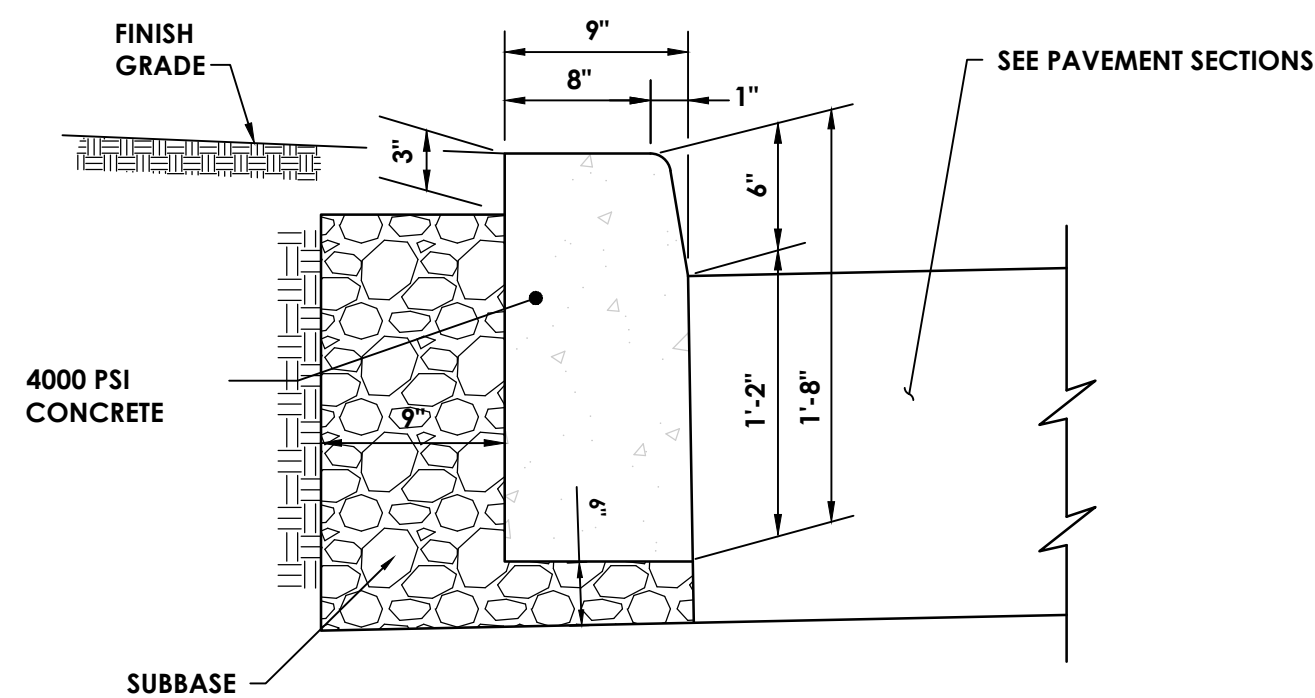


**6' CHAIN LINK FENCE**

N.T.S.



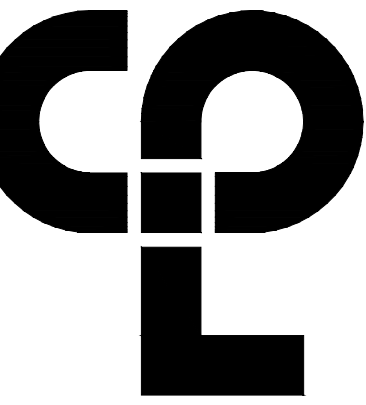
**STANDARD DUTY REINFORCED CONCRETE PAD FOR DRIVEWAYS**



1. CONTRACTION JOINTS TO BE AT 10 FOOT INTERVALS AND SHALL BE FORMED OR SAW CUT TO A DEPTH OF 1/2 INCH BELOW THE SURFACE OF THE CURB.
2. EXPANSION JOINTS TO BE AT 50 FOOT INTERVALS AND SHALL BE FORMED WITH 3/4 INCH WIDE PREMOLDED BITUMINOUS JOINT FILLER. THE FILLER MATERIAL SHALL BE CUT TO CONFORM TO THE CROSS SECTION OF THE CURB.
3. EXPANSION JOINTS AND FORMED CONTRACTION JOINTS ARE TO BE EDGED WITH CONCRETE FINISHING TOOLS.
4. CONCRETE SEALING AGENT SHALL BE APPLIED THE SAME DAY THAT CURBS ARE CONSTRUCTED.

**CONCRETE CURB**

N.T.S.



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

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SHEET INFORMATION

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Drawing Number

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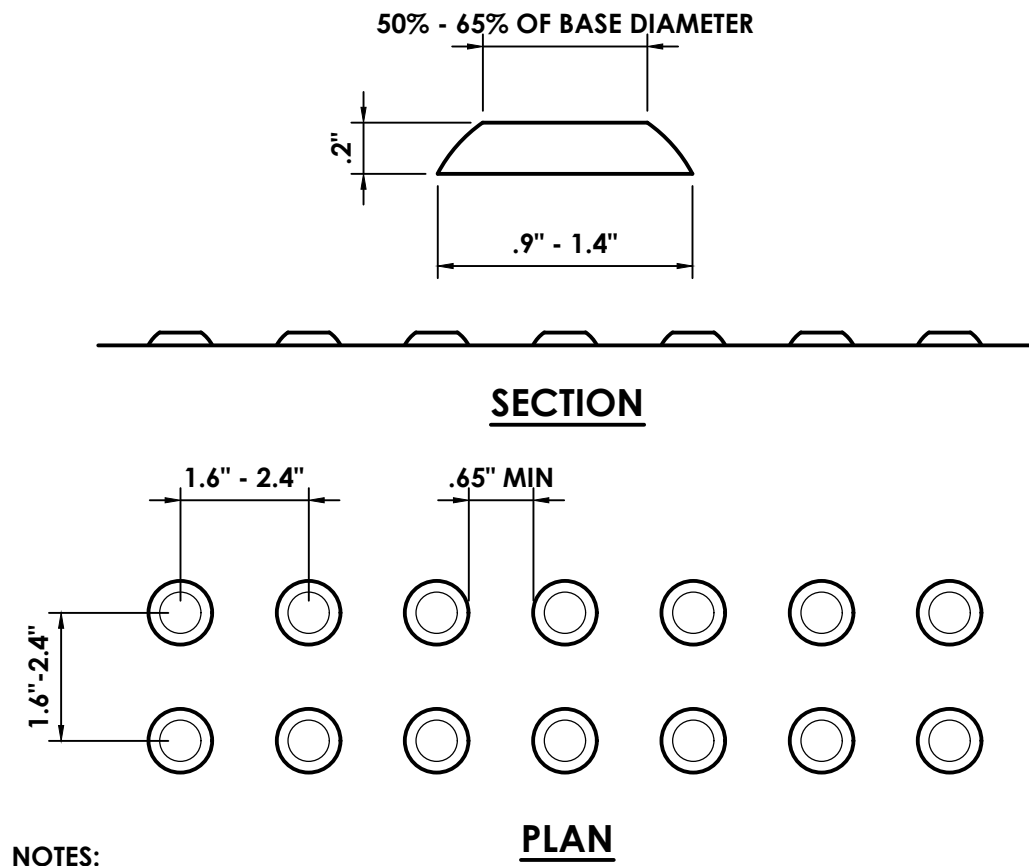
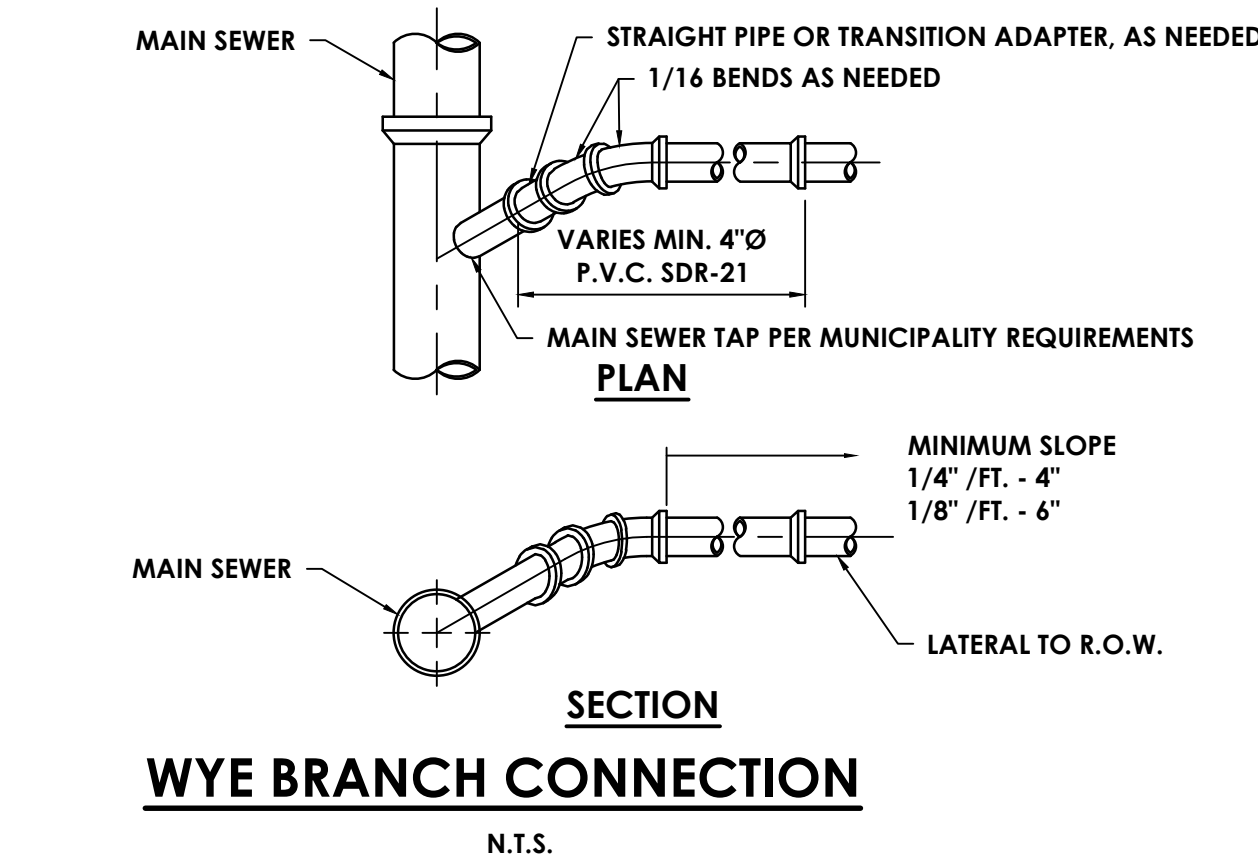


Plotted by: Sean Gordon

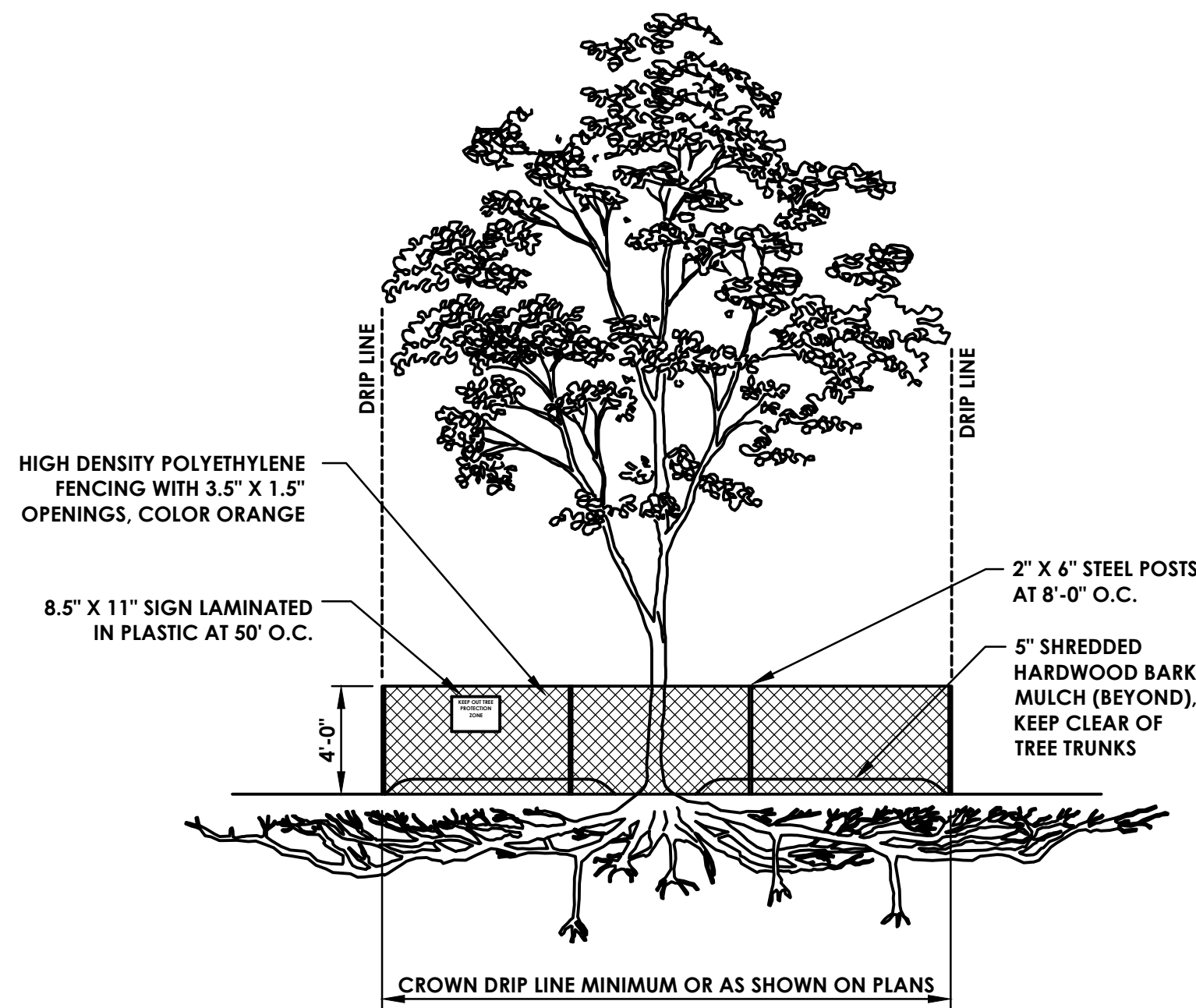
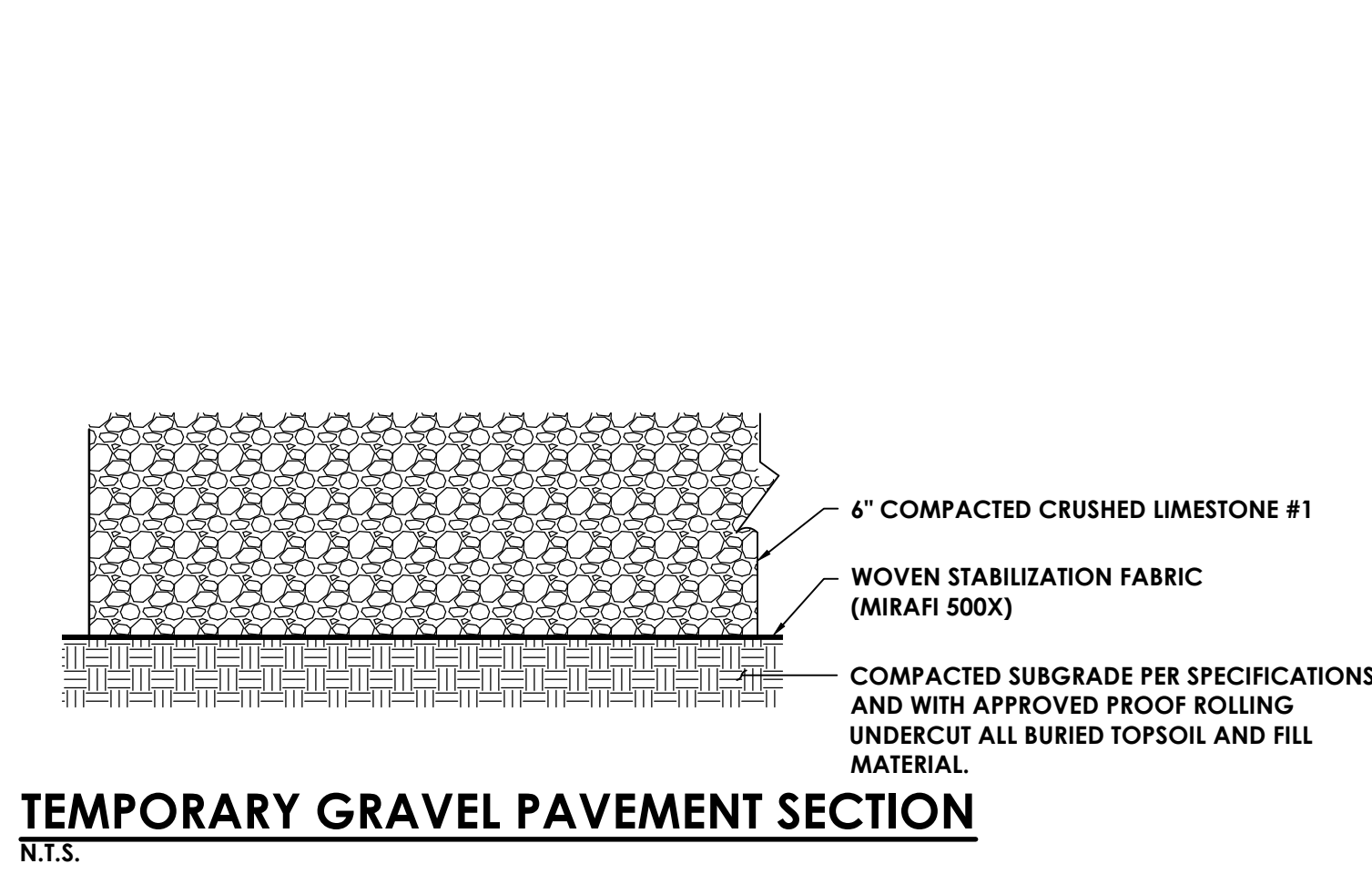
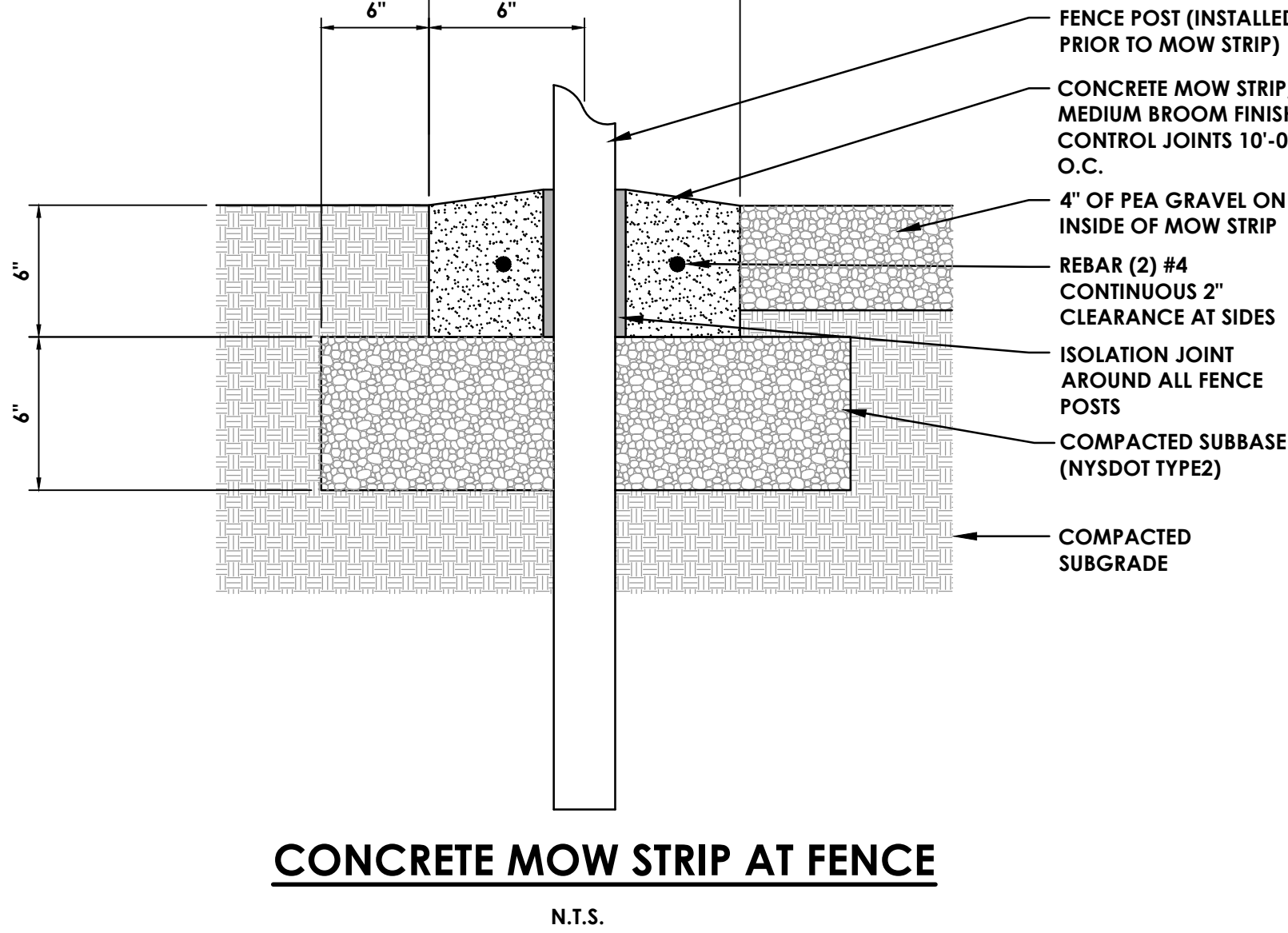
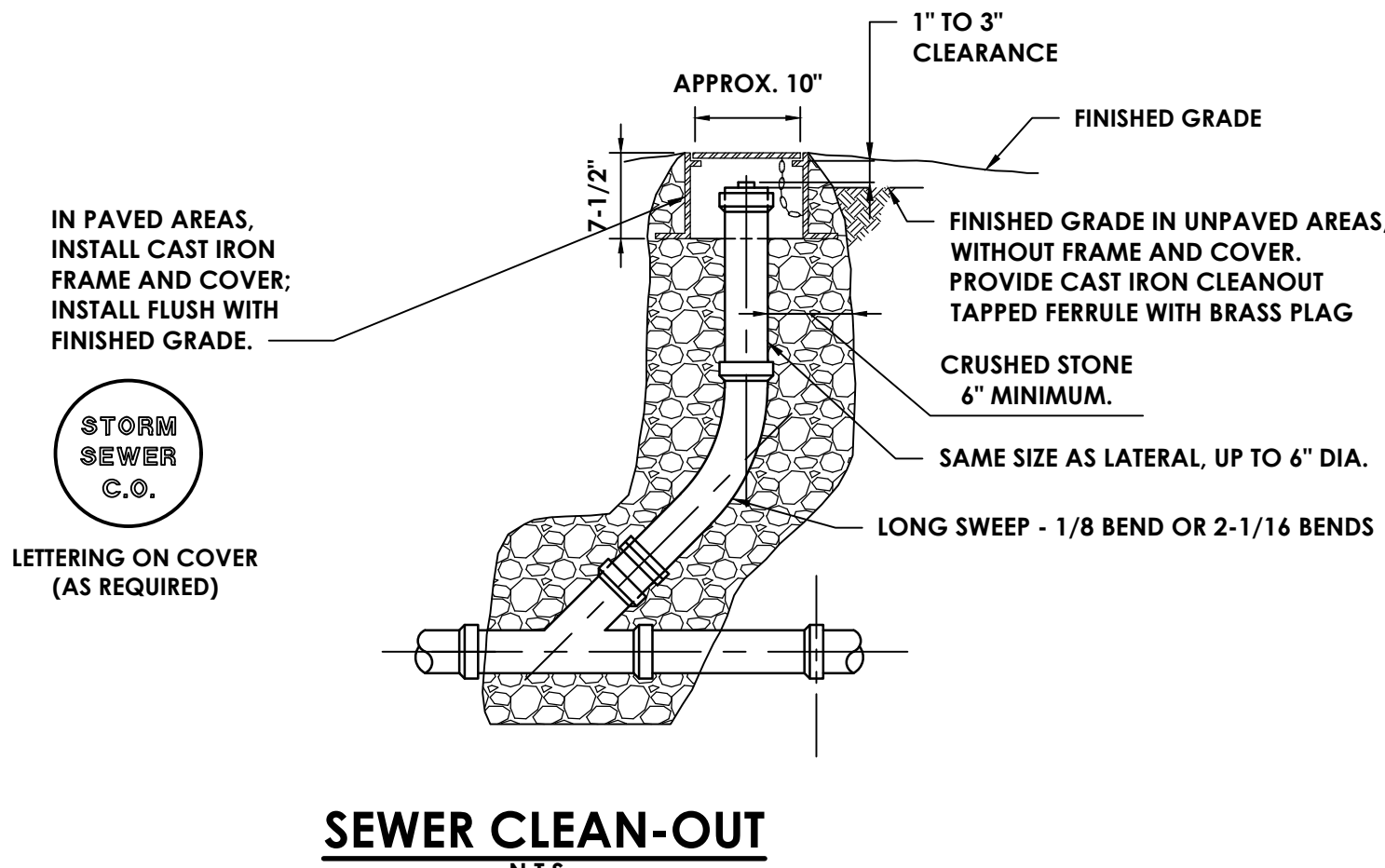
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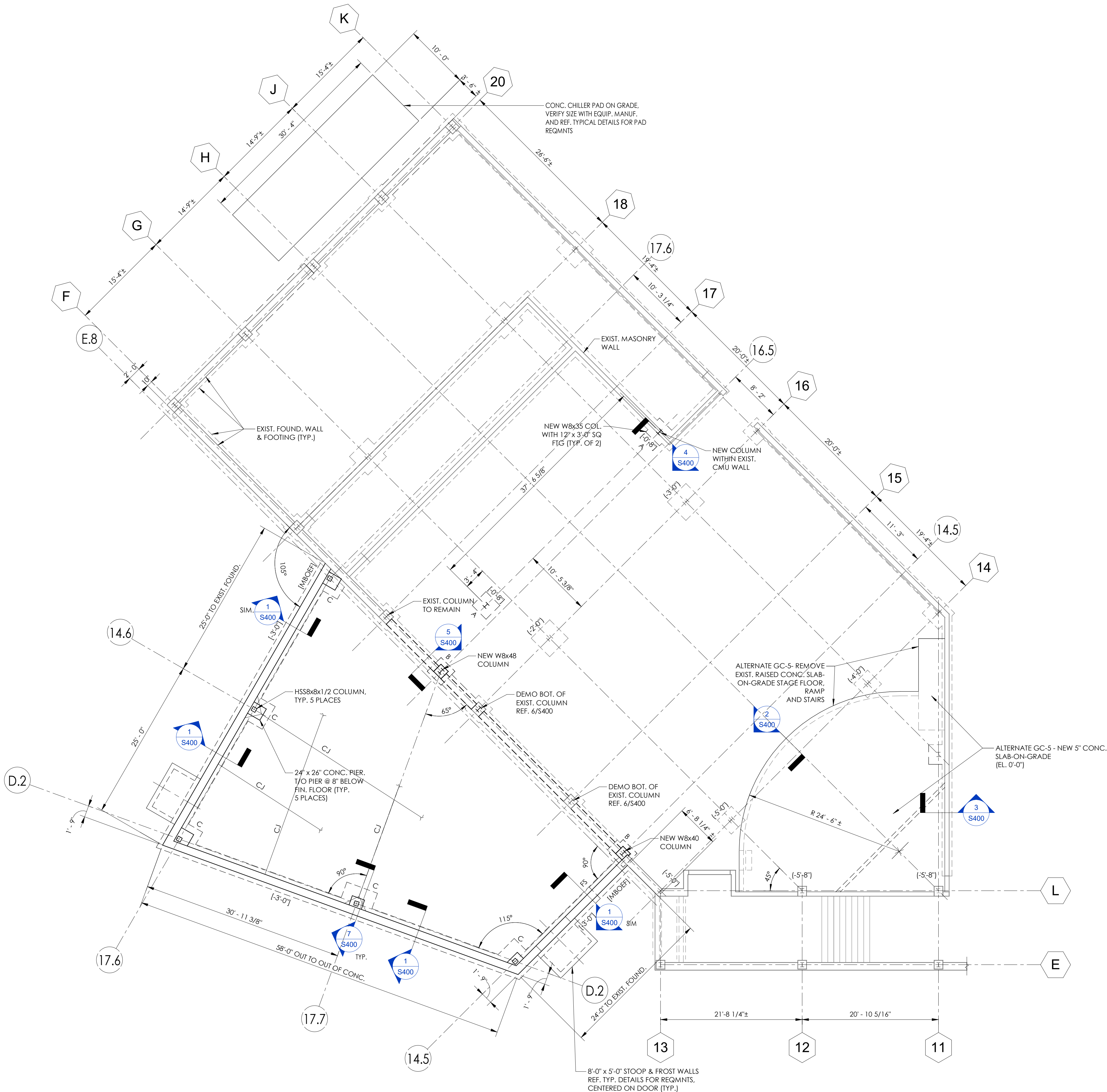
- NOTES:
1. DETECTABLE WARNING FIELD SHALL BE A COLOR THAT CONTRASTS WITH ADJACENT PAVEMENT.
  2. DETECTABLE WARNING FIELD SHALL EXTEND THE FULL WIDTH OF THE DROPPED CURB IT DESIGNATES.
  3. DETECTABLE WARNING FIELD SHALL BE 2' DEEP.



- NOTES:
1. INDIVIDUAL TREES AND PLANT GROUPS TO RECEIVE THIS PROTECTIVE TREATMENT ARE INDICATED ON THE DEMOLITION PLAN. WHERE SPATIAL CONSTRAINTS PREVENT INSTALLATION OF THE FENCING AS SHOWN ON THE PLANS AND THIS DETAIL, CONSULT WITH THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
  2. NO CROWN OR ROOT PRUNING SHALL BE PERFORMED INSIDE OF THE PROTECTIVE FENCING EXCEPT BY AN APPROVED ARBORIST.
  3. NO EQUIPMENT SHALL BE OPERATED INSIDE THE PROTECTIVE FENCING INCLUDING DURING THE TIMES OF FENCE INSTALLATION AND REMOVAL.



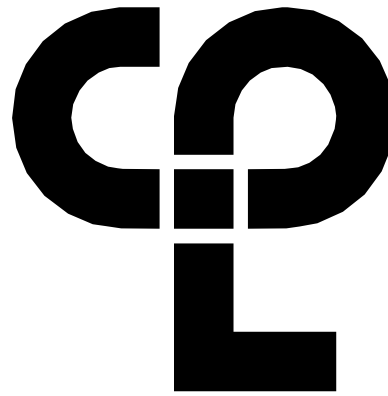
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- FOUNDATION AND SLAB PLAN NOTES**
- DATUM 422'-4 9/16" = ELEVATION 0'-0" = EXISTING FINISHED FLOOR ELEVATION.
  - DESIGN ALLOWABLE SOIL BEARING CAPACITY IS ASSUMED 3,000 PSF (NATURAL SOILS OR FILL).
  - EXTERIOR FOOTING SHALL BEAR AT A MINIMUM OF 4'-0" BELOW FINISHED GRADE UNLESS NOTED OTHERWISE.
  - TOP OF INTERIOR FOOTINGS SHALL BE AT [-8"] BELOW FINISHED FLOOR UNLESS NOTED OTHERWISE. TOP OF PIERS/FOOTINGS OF COLUMNS/WALLS SUPPORTING A ROOF DRAIN LEADER SHALL BE RECESSED FROM FINISH FLOOR BY A MINIMUM OF 12-INCHES. FOR CONTINUOUS WALL FOOTINGS THE ABOVE CITED RECESS SHALL BE A MINIMUM OF 2'-0" WIDE. MAINTAIN REQUIRED FOOTING THICKNESS AT ALL TIMES. CONTRACTOR TO COORDINATE DRAIN LOCATIONS AND ELEVATIONS WITH FOUNDATION ELEMENTS AND NOTIFY ARCHITECT AND ENGINEER IF ANY CONFLICTS EXIST.
  - [XX'-XX"] DENOTES TOP OF PROPOSED FOOTING ELEVATION AS REFERENCED FROM FINISHED FLOOR SLAB.
  - (-XX'-XX") DENOTES TOP OF EXISTING FOOTING AS REFERENCED FROM FINISHED FLOOR ELEVATION. WHERE NEW FOOTING ABUTS EXISTING, MATCH BEARING ELEVATION OF EXISTING.
  - NO PIPES OR CONDUIT SHALL BE PLACED IN THE FOOTINGS. REFER TO PLUMBING AND ELECTRICAL DRAWINGS, AND UTILITY PLANS FOR ALL LOCATIONS AND ELEVATIONS OF PENETRATIONS THROUGH FOUNDATION WALLS. DO NOT EMBED PIPING WITHIN OR PASS PIPING VERTICALLY OR HORIZONTALLY THROUGH FOUNDATIONS WITHOUT REVIEW AND APPROVAL BY THE ENGINEER. STEP TOP OF FOOTINGS DOWN TO ALLOW PIPES OR CONDUIT TO RUN OVER TOP OF FOOTINGS.
  - FOOTINGS SHALL BE CENTERED ABOUT COLUMN LINES AND FOUNDATION WALLS UNLESS NOTED OTHERWISE.
  - CONCRETE SLAB-ON-GRADE SHALL BE 5" THICK, NORMAL WEIGHT REINFORCED CONCRETE, OVER VAPOR BARRIER AND 6" COMPACTED CRUSHED STONE UNLESS NOTED OTHERWISE.
  - GROUT ALL MASONRY BLOCK CORES SOLID CONTINUOUSLY BELOW FINISH FLOOR, AND THE FIRST TWO COURSES ABOVE FOUNDATION WALL AND SLABS.
  - THICKEN SLAB AND PROVIDE ADDITIONAL REINFORCEMENT AT INTERIOR NON-LOAD BEARING CMU WALLS PER TYPICAL DETAILS, REFER TO ARCHITECTURAL DRAWINGS FOR CMU WALL LOCATIONS AND SIZES.
  - REFER TO ARCHITECTURAL DRAWINGS FOR FLOOR FINISHES, FLOOR DRAINS, FLOOR SLOPES, DEPRESSED/RAISED SLAB AREAS, AND WATERPROOFING.
  - ALL STEEL COLUMNS AND ASSOCIATED ELEMENTS BELOW GRADE SHALL BE TWICE COATED WITH A BITUMINOUS COATING.
  - REFER TO DRAWING S800 FOR ALL DESIGN LOADS AND OTHER INFORMATION PERTINENT TO THE STRUCTURAL DESIGN.
  - THE FOLLOWING DENOTES SYMBOL REPRESENTATION:
    - FS = FOOTING STEP, COORDINATE WITH GRADING PLANS
    - F-XX = SPREAD FOOTING MARKS
    - FD = FLOOR DRAIN
    - CJ = SLAB CONTROL JOINTS
    - TS = THICKENED SLAB
    - MBOEF = MATCH BOTTOM OF EXISTING FOOTING

FOOTING SCHEDULE		
MARK	SIZE	REINFORCING
A	3'-0" x 3'-0" x 1'-0"	3-#5 E.W. TOP & BOT.
B	4'-0" x 4'-0" x 1'-0"	4-#5 E.W. TOP & BOT.
C	5'-0" x 5'-0" x 1'-0"	4-#5 E.W. TOP & BOT.

1 FOUNDATION AND SLAB PLAN  
1/8" = 1'-0"



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NEWBURGH, NY 12550  
CPLteam.com

PROJECT INFORMATION

Project Number  
13940.18  
Client Name  
NEWBURGH ENLARGED CITY  
SCHOOL DISTRICT  
Project Name  
PHASE 3: HERITAGE MIDDLE  
SCHOOL 2019 CAPITAL  
IMPROVEMENT PROJECT

Project Address  
405 Union Avenue, New Windsor, NY 12553

SED Number  
44-16-00-01-0-039-011

REVISION SCHEDULE

# Date Description

SHEET INFORMATION

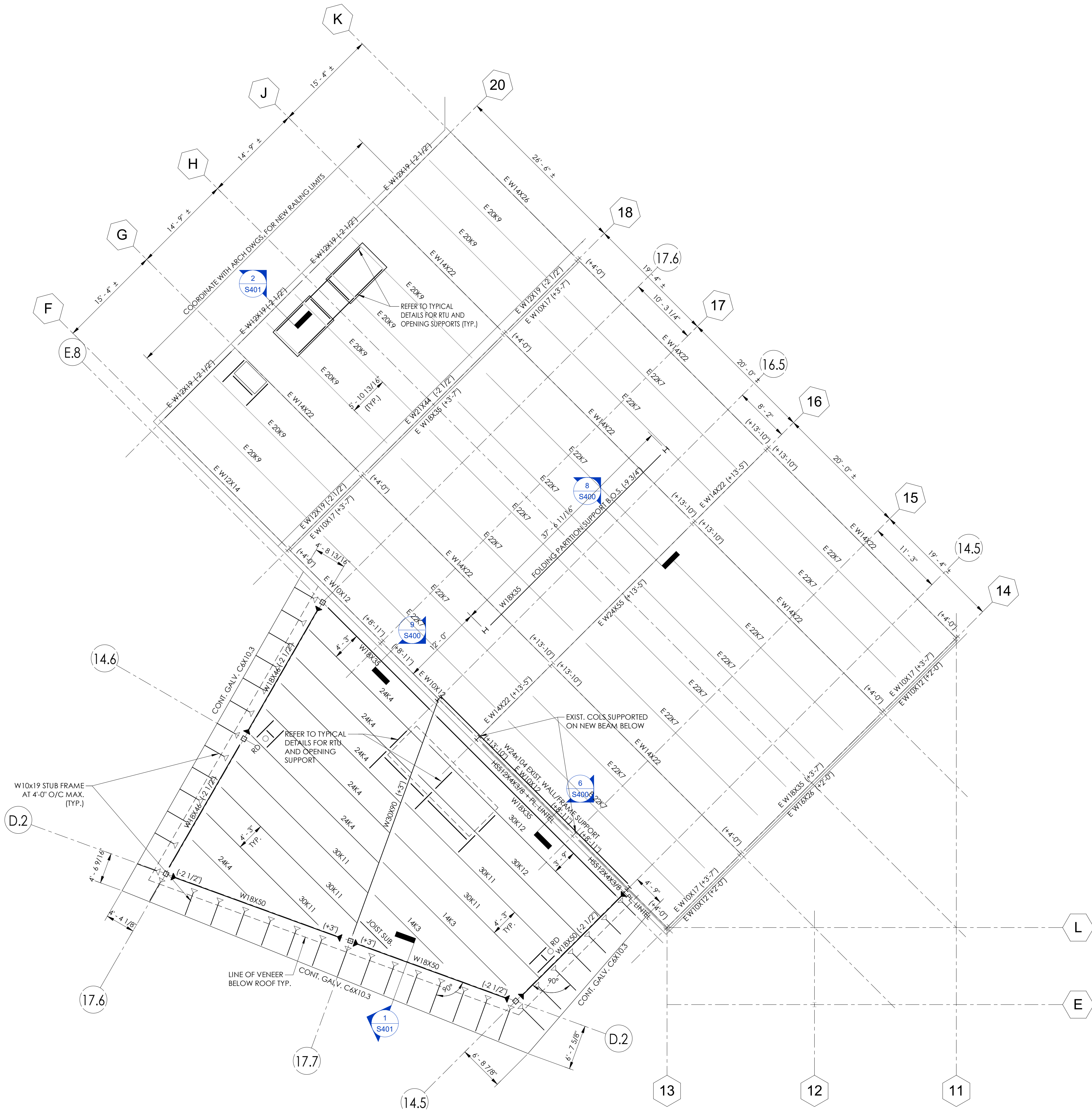
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Drawing Title  
FOUNDATION AND SLAB PLAN

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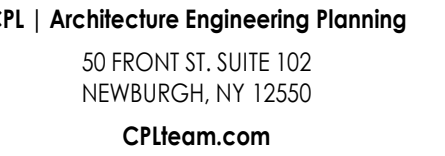


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Project Name

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IMPROVEMENT PROJECT**

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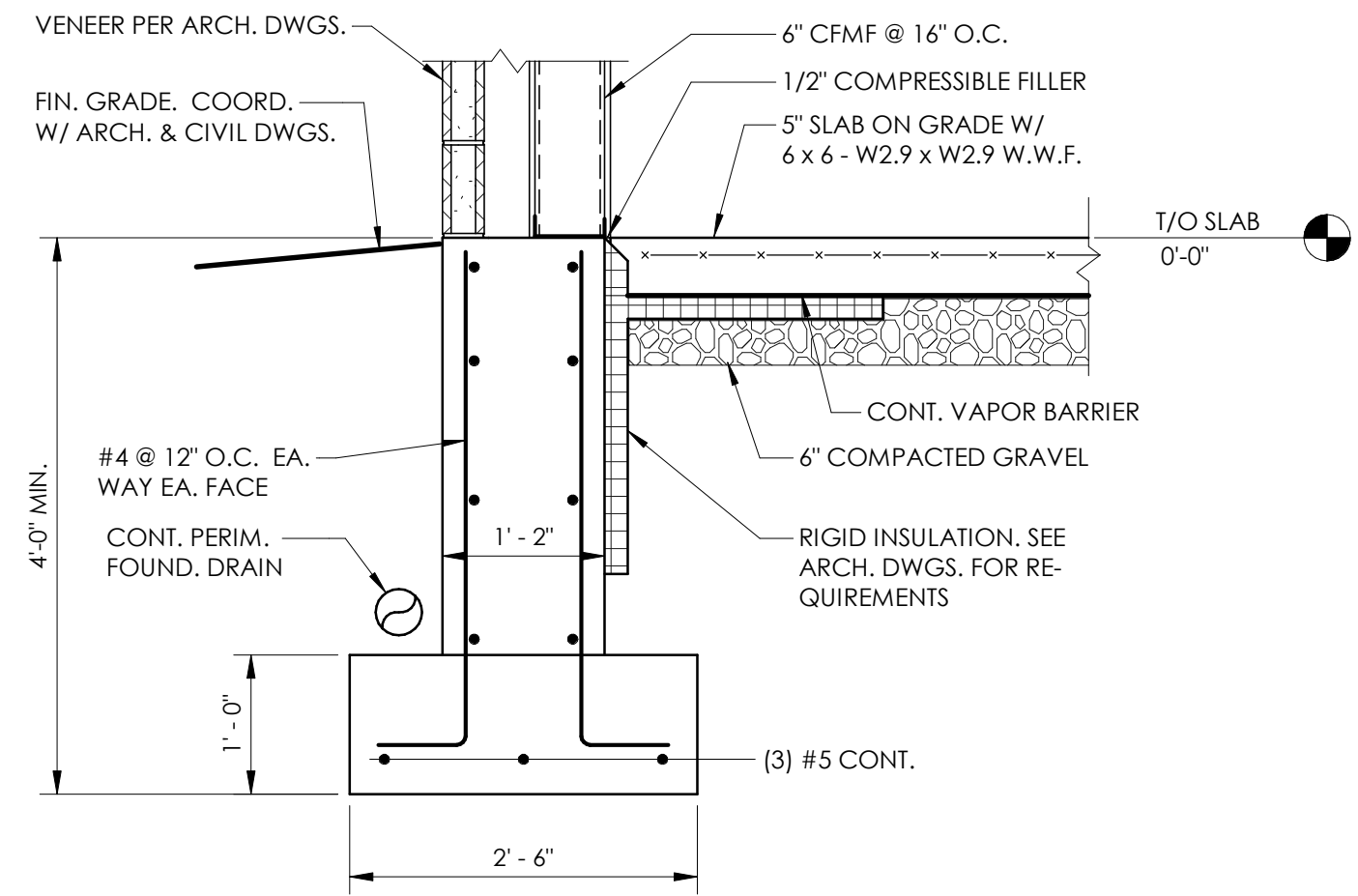
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# DOOF EQUIPMENT SUPPORT PLAN AREAS B AND C

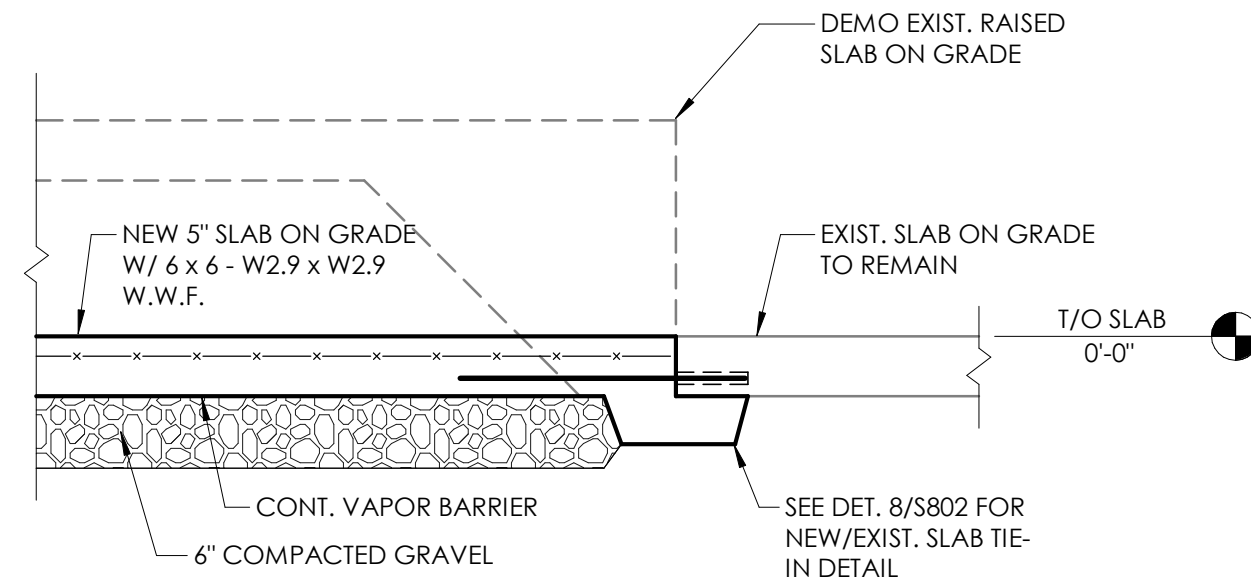
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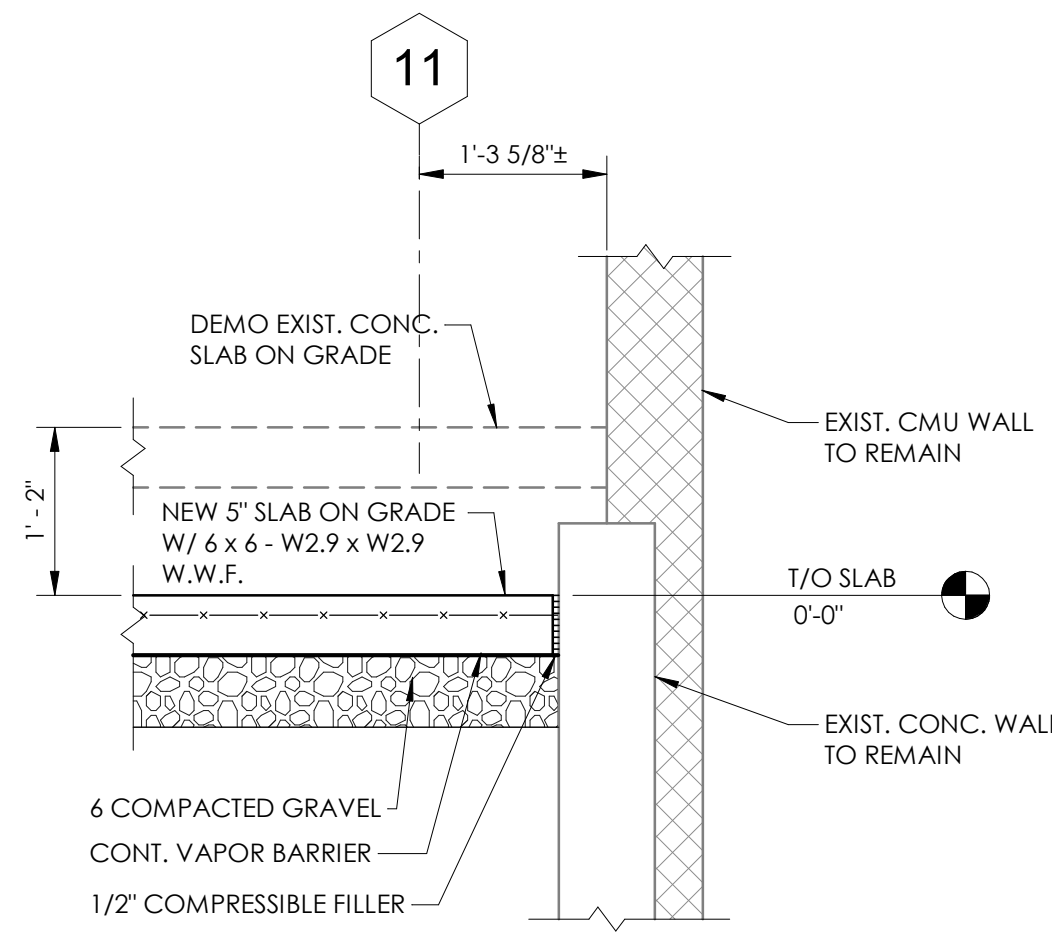
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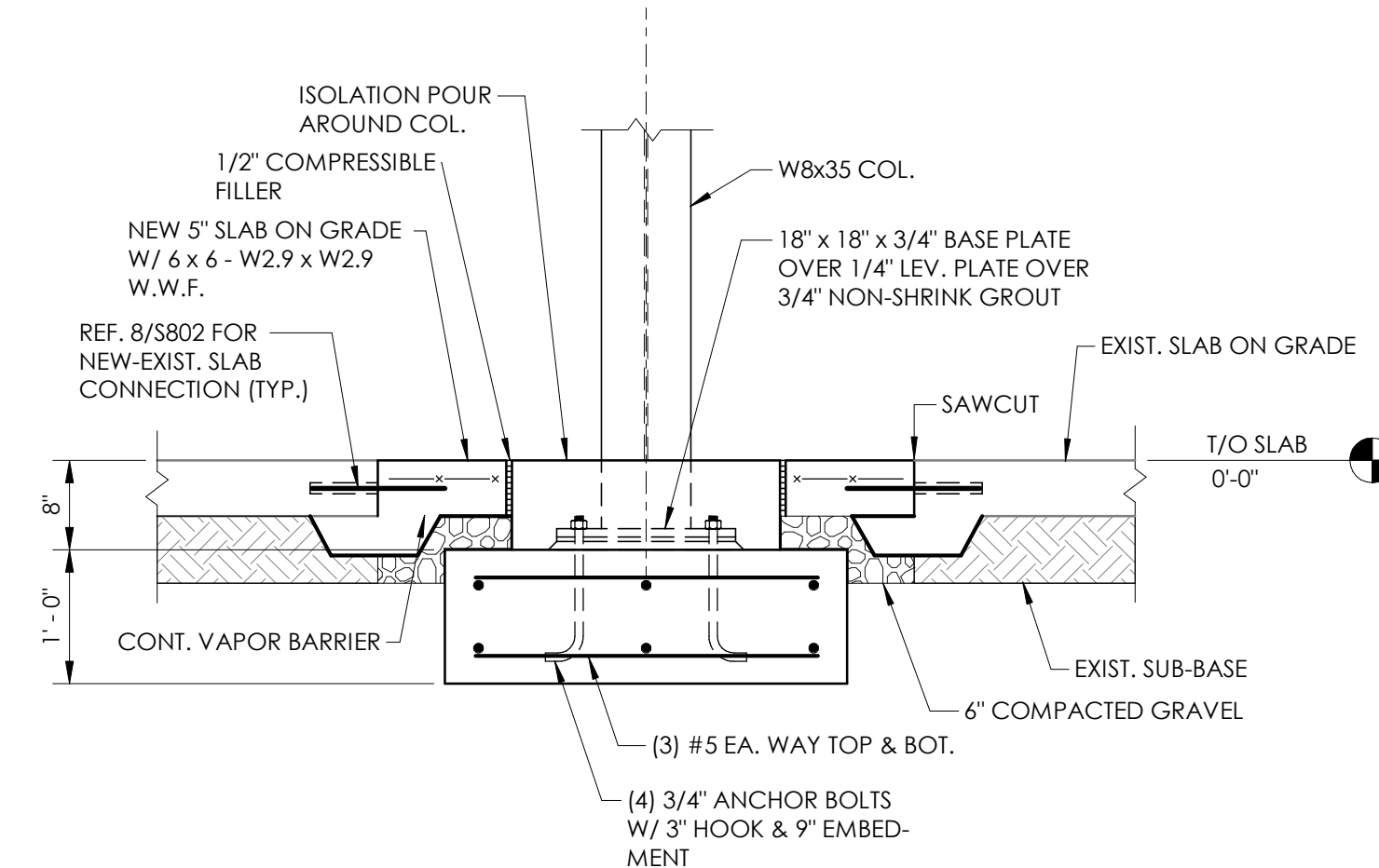
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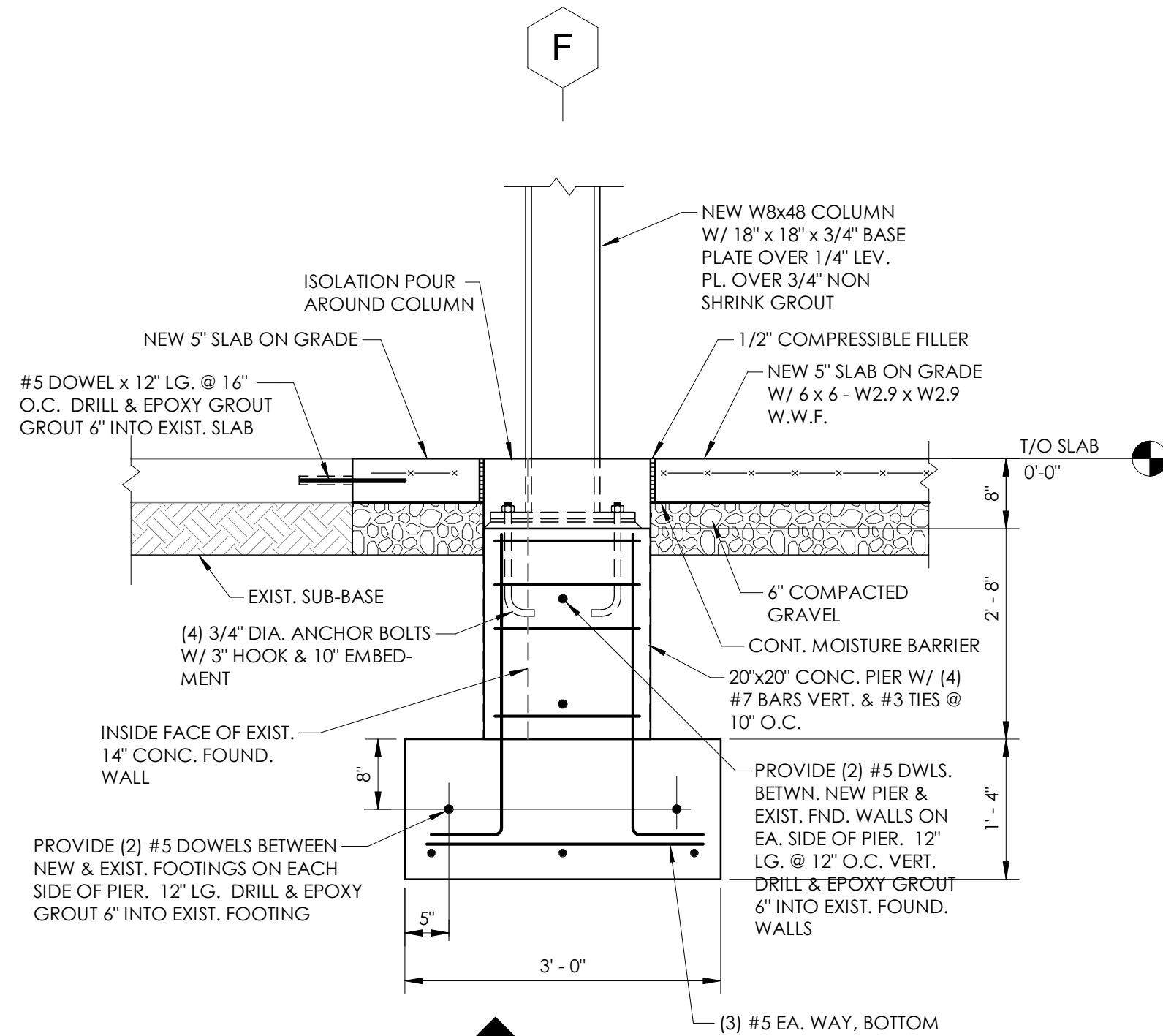
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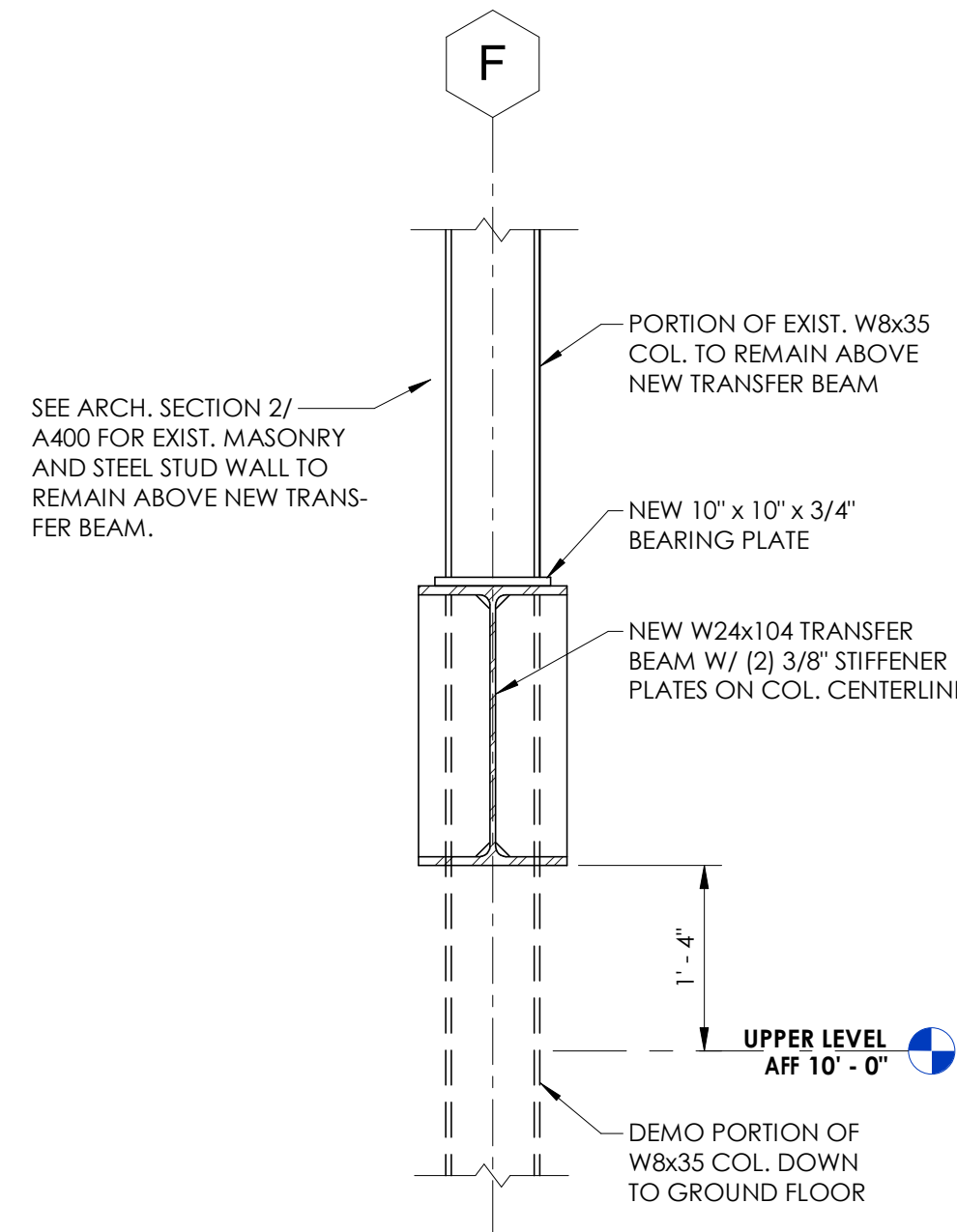
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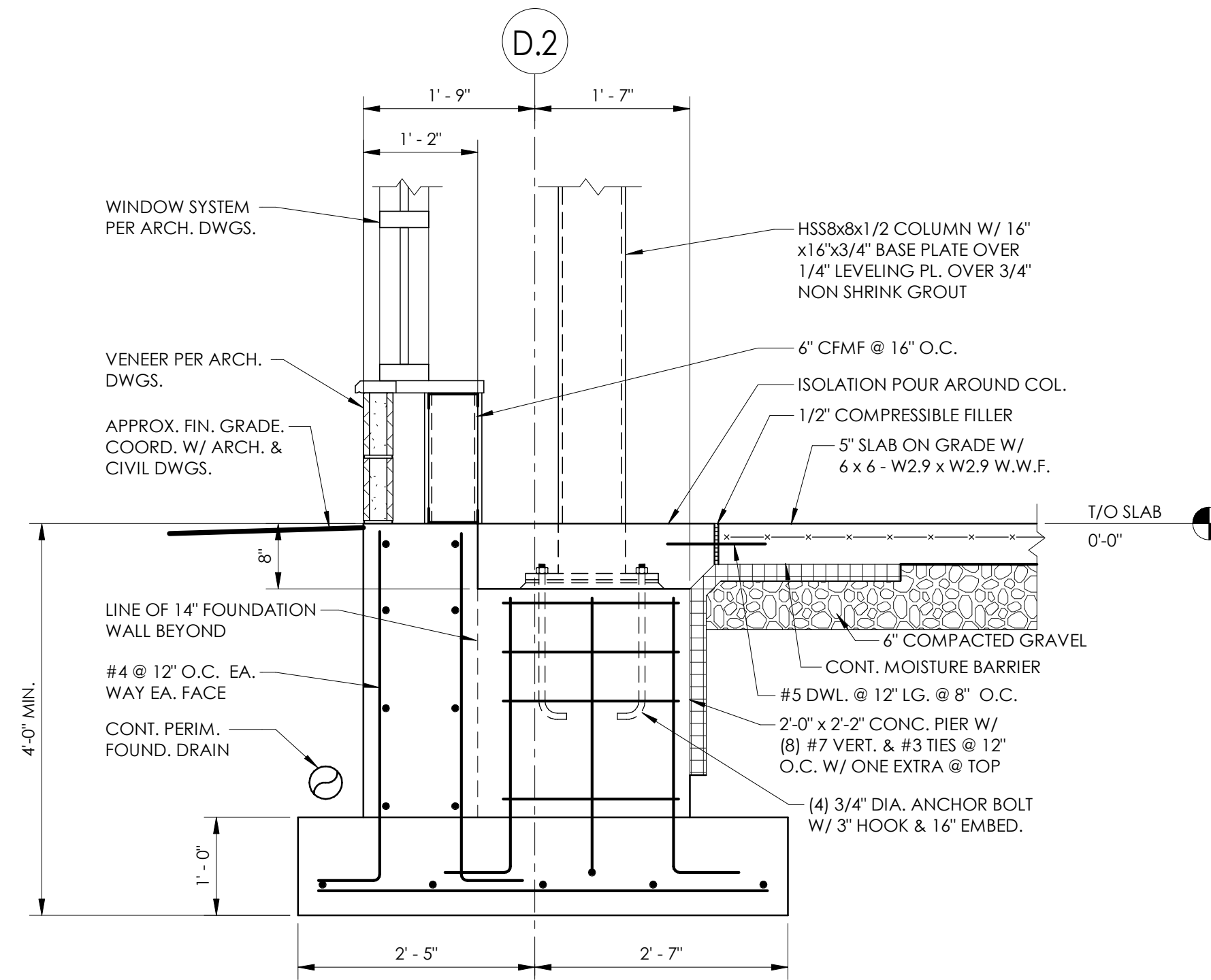
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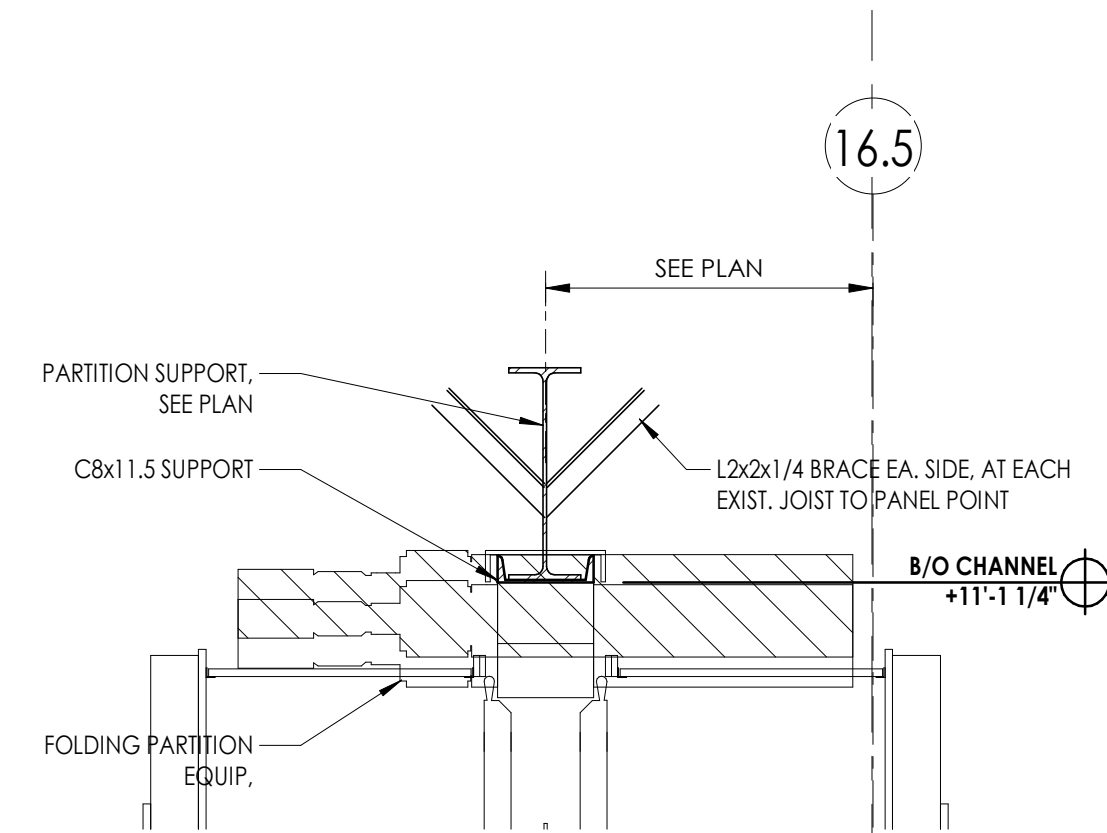
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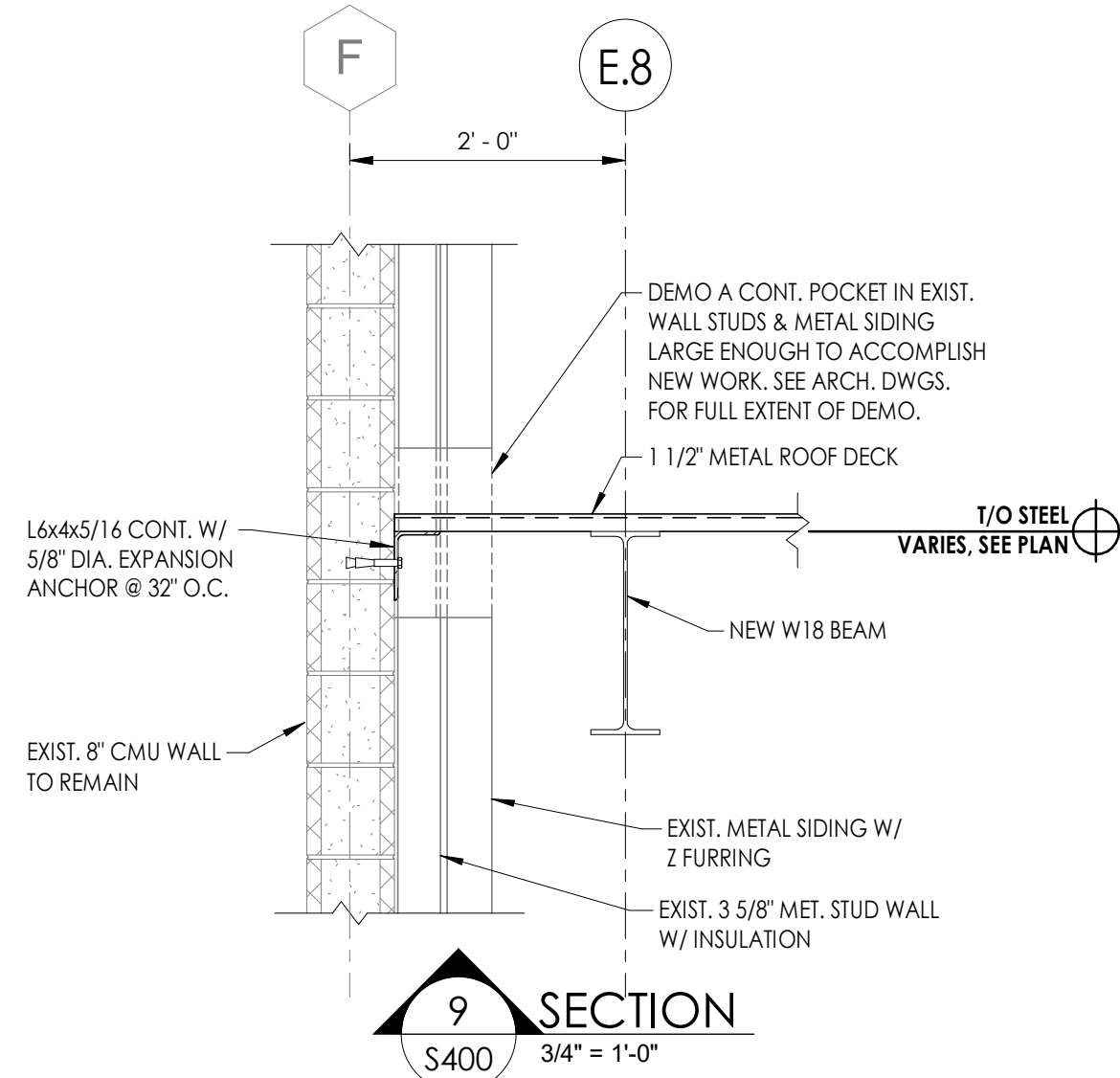
6 SECTION  
S400 3/4" = 1'-0"



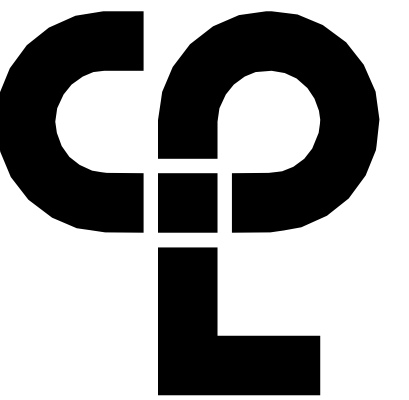
7 SECTION  
S400 3/4" = 1'-0"



8 SECTION  
S400 3/4" = 1'-0"



9 SECTION  
S400 3/4" = 1'-0"



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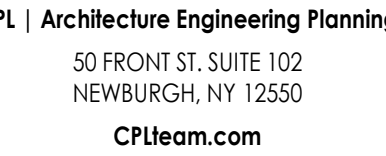
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SHEET INFORMATION

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Checker  
Drawing Title  
SECTIONS AND DETAILS

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ASE 3: HERITAGE MIDDLE  
HOOOL 2019 CAPITAL  
PROVEMENT PROJECT

Number  
16-00-01-0-039-01

#### PAYMENT SCHEDULE

DOCUMENTS

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STRUCTURAL SECTIONS AND  
TAILS

HMS  
401



GENERAL NOTES

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

EXISTING CONSTRUCTION NOTES

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

DESIGN CRITERIA NOTES

1. **GENERAL BUILDING CODE**  
THE CONSTRUCTION DOCUMENTS ARE BASED ON THE REQUIREMENTS OF THE 2020 BUILDING CODE OF NEW YORK STATE.
2. **BUILDING RISK CATEGORY**  
THE BUILDING HAS BEEN ASSIGNED A RISK CATEGORY IN ACCORDANCE WITH PREVIOUSLY MENTIONED CODE WITH THE FOLLOWING CRITERIA:  
A. RISK CATEGORY: III, BUILDINGS AND OTHER STRUCTURES, THE FAILURE OF WHICH COULD POSE A SUBSTANTIAL RISK TO HUMAN LIFE BUILDINGS AND OTHER STRUCTURES, NOT INCLUDED IN RISK CATEGORY IV, WITH POTENTIAL TO CAUSE A SUBSTANTIAL ECONOMIC IMPACT AND/OR MASS DISRUPTION OF DAY-TO-DAY CIVILIAN LIFE IN THE EVENT OF FAILURE.
3. **DEAD AND LIVE LOADS**  
A. THE DEAD LOADS ARE THE SELF WEIGHT OF MATERIALS OF CONSTRUCTION INCORPORATED INTO AND ON THE BUILDING.  
B. THE UNIFORMLY DISTRIBUTED AND/OR CONCENTRATED LIVE LOADS USED IN THE DESIGN OF THE BUILDING ARE BASED ON THE FOLLOWING INTENDED USE OR OCCUPANCIES:  
c. CORRIDORS: 100 POUNDS PER SQUARE FOOT (PSF)  
d. STAIRS AND EXITS: 100 PSF  
e. ASSEMBLY, MOVABLE SEATS: 300 LB ON TREADS, 4 SQUARE INCH AREA  
f. STORAGE, LIGHT: 125 PSF  
g. OFFICE: 50 PSF  
h. CLASSROOMS: 40 PSF  
i. ROOFS: 20 PSF  
j. 300 LB ON MAINTENANCE SURFACE  
k. 15 PSF, WHERE APPLICABLE
4. **ROOF SNOW LOAD DATA**  
SNOW LOADS ARE BASED ON CHAPTER 7 OF THE AMERICAN SOCIETY OF CIVIL ENGINEERS, MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES, ASCE 7 AND THE FOLLOWING CRITERIA:  
A. GROUND SNOW LOAD (Pg): 30 PSF  
B. FLAT-ROOF SNOW LOAD (Pf): 24 PSF  
C. SNOW EXPOSURE FACTOR (Ce): 1.0  
D. SNOW LOAD IMPROPTANCE FACTOR (Is): 1.10  
E. THERMAL FACTOR (Ci): 1.0  
F. DRIFT SURCHARGE LOADS (Pd): 62 PSF  
G. WIDTH OF SNOW DRIFTS (w): 13 FT
5. **WIND DESIGN DATA**  
WIND PRESSURES ARE BASED ON CHAPTER 26 OF THE AMERICAN SOCIETY OF CIVIL ENGINEERS, MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES, ASCE 7 AND THE FOLLOWING CRITERIA:  
A. BASIC DESIGN WIND SPEED (V): 120 MPH  
B. NOMINAL DESIGN WIND SPEED (Vasd): 93 MPH  
C. RISK CATEGORY: III  
D. WIND EXPOSURE: B  
E. INTERNAL PRESSURE COEFFICIENT (GCpF): + 0.18/- 0.18  
F. COMPONENTS AND CLADDING: SEE DIAGRAM
6. **EARTHQUAKE DESIGN DATA**  
THE STRUCTURE AND COMPONENTS OF THE BUILDING HAVE BEEN DESIGNED IN ACCORDANCE WITH THE PREVIOUSLY MENTIONED CODE WITH THE FOLLOWING CRITERIA:  
A. RISK CATEGORY: III  
B. SEISMIC IMPORTANCE FACTOR (Ie): 1.25  
C. 0.2 SEC MAPPED SPECTRAL RESPONSE (Ss): 0.237g  
D. 1 SEC MAPPED SPECTRAL RESPONSE (S1): 0.057g  
E. SITE CLASS: C  
F. 0.2 SEC SPECTRAL RERSPONSE COEF. (Sds): 0.205  
G. 1 SEC SPECTRAL RESPONSE COEF. (Sd1): 0.057  
H. SEISMIC DESIGN CATEGORY: B  
I. BASIC SEISMIC FORCE-RESISTING SYSTEM: STEEL NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE  
J. DESIGN BASE SHEAR(S): 10.2 KIPS  
K. SEISMIC MODIFICATION COEF. (CS): 0.0129  
L. RESPONSE MODIFICATION COEF. (R): 3.00  
M. ANALYSIS PROCEDURE USED: EQUIVALENT LATERAL FORCE PROCEDURE (ELFP)
7. **SEISMIC DEMANDS ON NON-STRUCTURAL ELEMENTS**  
SEISMIC DEMAND ON NON-STRUCTURAL COMPONENTS, AND CONNECTIONS OF THOSE COMPONENTS TO THE PRIMARY STRUCTURE SHALL BE DESIGNED IN ACCORDANCE WITH THE PREVIOUSLY MENTIONED CODE, THE GENERAL SEISMIC CRITERIA LISTED ABOVE, AND THE REQUIREMENTS OF ASCE 7, CHAPTER 13 AS APPROPRIATE.
8. **GEOTECHNICAL INFORMATION**  
THE STRUCTURE HAS BEEN DESIGNED BASED ON INFORMATION PROVIDED IN THE GEOTECHNICAL ENGINEERING REPORT BY QUALITY GEO ENGINEERING, P.C., (DATED: SEPT. 18, 2020) AND THE FOLLOWING CRITERIA:  
A. ALLOWABLE BEARING: 3,500 PSF  
B. SUBGRADE MODULUS: 200 PCI
9. **FLOOD DESIGN DATA**  
THE BUILDING IS NOT LOCATED IN WHOLE OR IN PART WITHIN A FLOOD HAZARD AREA AS ESTABLISHED PER THE PREVIOUSLY MENTIONED CODE.
10. **HANDRAILS AND GUARDS**  
THE HANDRAIL ASSEMBLIES AND GUARDS SHALL BE DESIGNED FOR 50 PLF OR A CONCENTRATED LOAD OF 200 LBS AT ANY POINT APPLIED IN ANY DIRECTION AT THE TOP AND TO TRANSFER THIS LOAD THROUGH THE SUPPORTS TO THE STRUCTURE. THESE LOADS NEED NOT BE ASSUMED TO ACT CONCURRENTLY.
11. **INTERIOR WALLS AND PARTITIONS**  
INTERIOR WALLS AND PARTITIONS THAT EXCEED 6 FEET IN HEIGHT SHALL HAVE ADEQUATE STRENGTH TO RESIST LOADS THEY ARE SUBJECT TO, BUT NOT LESS THAN A HORIZONTAL UNIFORM LOAD OF 5 PSF.
12. **FUTURE EXPANSION**  
NO PROVISIONS HAVE BEEN MADE IN THE STRUCTURAL DESIGN FOR FUTURE HORIZONTAL OR VERTICAL BUILDING EXPANSION.
13. **RESTRAINED CONSTRUCTION CLASSIFICATION**  
IN ACCORDANCE WITH ASTM E 119, ALL FLOOR CONSTRUCTION IS CLASSIFIED AS RESTRAINED CONSTRUCTION.
14. **ROOF TOP EQUIPMENT ANCHORAGE**  
ALL ROOF TOP EQUIPMENT CRUBS, MECHANICAL EQUIPMENT, TIE DOWNS, AND CONNECTIONS OF ALL EQUIPMENT TO BUILDING STRUCTURE FOR WIND AND SEISMIC LOADING ARE TO BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER RETAINED BY THE EQUIPMENT SUPPLIER.

EXCAVATION AND BACKFILL NOTES

1. THE SITE SHALL BE PREPARED IN ACCORDANCE WITH SPECIFICATIONS AND THE CIVIL DRAWINGS. THE STRUCTURAL DESIGN IS BASED ON RECOMMENDATIONS CONTAINED IN THE ENGINEERING REPORT BY QUALITY GEO ENGINEERING, P.C., DATED SEPT. 18, 2020. A QUALIFIED GEOTECHNICAL ENGINEER SHALL VERIFY ALL ASSUMPTIONS AND REPORT TO THE ARCHITECT/ENGINEER ANY VARIATIONS.
2. EXCAVATIONS TO BE SHEETED AND BRACED, OR LAID BACK TO PREVENT SLOUGHING IN OF THE EXCAVATED AREAS PER OSHA REGULATIONS.
3. ALL EXCAVATIONS AND GRADES PREPARED FOR BEARING SHALL BE INSPECTED BY A QUALIFIED GEOTECHNICAL ENGINEER TO VERIFY THE DESIGN ASSUMPTIONS AND REPORT NONCONFORMING CONDITIONS.
4. THE CONTRACTOR SHALL DETERMINE THE EXTENT OF CONSTRUCTION DEWATERING REQUIRED FOR THE EXCAVATION. THE CONTRACTOR SHALL SUBMIT TO THE GEOTECHNICAL ENGINEER FOR REVIEW THE PROPOSED PLAN FOR DEWATERING, PRIOR TO EXCAVATION.
5. PLACE ALL FOOTINGS ON FIRM, DRY, LEVEL, ACCEPTABLE BEARING SOIL.
6. FROST DEPTH FOR THIS PROJECT IS 4'-0" BELOW GRADE. FINISH GRADE SHALL BE MAINTAINED A MINIMUM OF 3'-0" ABOVE TOP OF FOUNDATIONS UNLESS NOTED OTHERWISE.
7. TOP OF FOOTING ELEVATIONS PROVIDED ON CONSTRUCTION DRAWINGS ARE FOR PURPOSES OF DESIGN. NOTIFY THE ENGINEER IF TOP OF FOOTING ELEVATIONS NEED TO BE ADJUSTED BASED ON CONTRACTOR'S FIELD COORDINATION OR GEOTECHNICAL ENGINEER'S RECOMMENDATIONS.
8. REMOVE AND DISPOSE OF LEGALLY FROM SITE: UNACCEPTABLE BEARING SOIL, EXCESS EXCAVATED MATERIAL, ASPHALT MATERIAL (SEE SITE PLANS).
9. WHERE FILL IS REQUIRED UNDER BEARING CONDITIONS, IT SHALL BE SELECTED AND PLACED IN ACCORDANCE WITH INSTRUCTIONS OF A QUALIFIED GEOTECHNICAL ENGINEER TO MAINTAIN DESIGN BEARING PRESSURE.
10. THE DESIGN OF WALLS RETAINING EARTH DOES NOT INCLUDE HYDROSTATIC PRESSURE LOADS UNLESS NOTED OTHERWISE, AND ASSUMES A DRAINAGE SYSTEM IS IN PLACE WHERE REQUIRED.
11. BACKFILL WITHIN BUILDING - TO WITHIN 6 INCHES OF UNDERSIDE OF FLOOR SLAB SHALL BE "SUBBASE COURSE" (INSDOT 304.12 - TYPE 2) CONSISTING OF HARD DURABLE PEBBLES, ROCK FRAGMENTS AND SOIL BINDER. IT SHALL BE FREE OF CLAY, ORGANIC MATTER, AND OTHER DELETERIOUS MATERIAL. GRADATION: 2 INCHES MAXIMUM SIZE, 25-60% PASSING THE 1/4" SIEVE, 5-40% PASSING NO. 40 SIEVE, AND NOT MORE THAN 10% PASSING NO. 200 SIEVE.
12. UNDER SLABS ON GRADE - POROUS 6 INCH LIFT OF WASHED "CRUSHED STONES" CONSISTING OF: 50/50 MIX OF #1's AND #2's, ASTM #57 STONE.
13. BACKFILL OUTSIDE OF BUILDING - "SELECT GRANULAR FILL" (INSDOT 203.07) CONSISTING OF SAND, FINE GRAVEL, COARSE SILT, OR SIMILAR NON-COHESIVE HARD DURABLE MATERIALS AND SOIL BINDERS WITHOUT EXCESSIVE CLAY, ORGANIC MATTER, OR FROZEN OR DELETERIOUS MATERIAL. GRADATION: 4 INCHES MAXIMUM SIZE, 0-70% PASSING THE #40 SIEVE AND 0-15% PASSING THE #200 SIEVE.
14. FILL COMPACTION: WITHIN BUILDING - 95% DRY DENSITY MODIFIED PROCTOR OUTSIDE OF BUILDING - 95% DRY DENSITY MODIFIED PROCTOR
15. FILL PLACEMENT - BACKFILL SHALL NOT BE PLACED AGAINST WALLS UNTIL THE WALLS HAVE ACHIEVED SPECIFIED DESIGN STRENGTH. PLACE FILL SIMULTANEOUSLY ON EACH SIDE OF FOUNDATION WALL IN 6 INCH LIFTS. THE MAXIMUM DIFFERENCE IN ELEVATION ON EITHER SIDE OF WALL SHALL NOT EXCEED 1'-4".
16. STRUCTURAL STEEL FRAMING PROVIDES LATERAL RESTRAINT OF BASEMENT FOUNDATION WALLS. STEEL FRAMING AND DECKING SHALL BE IN PLACE PRIOR TO BACKFILLING, WHERE THIS CANNOT BE ACCOMMODATED THE WALL SHALL BE SHORED CONTINUALLY AND THE ENGINEER NOTIFIED.

CAST-IN-PLACE CONCRETE NOTES

GENERAL

1. ALL CONCRETE WORK, CONSTRUCTION AND REINFORCING DETAILS SHALL CONFORM TO THE 2020 BUILDING CODE OF NEW YORK STATE AND THE SPECIFICATIONS OF THE AMERICAN CONCRETE INSTITUTE BUILDING CODE REQUIREMENTS" (ACI 318).
  2. ALL CONCRETE SHALL ATTAIN A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI AT 28 DAYS AND CONFORM TO THE REQUIREMENTS OF THE SCHEDULE BELOW, UNLESS NOTED OTHERWISE. SEE SPECIFICATIONS FOR MIX DESIGN REQUIREMENTS.
- | LOCATION      | W/C RATIO | SLUMP (±1") | % AIR (±1%) | MAXIMUM AGGREGATE | MIN. STRENGTH @ 28 DAYS |
|---------------|-----------|-------------|-------------|-------------------|-------------------------|
| FOOTINGS      | .50       | 3.5"        | N/A         | 1 1/2"            | 3500 PSI                |
| FOUNDATIONS   | .45       | 3.5"        | 4           | 1 1/2"            | 5000 PSI                |
| SLAB ON GRADE | .45       | 3.5"        | 4           | 3/4"              | 3000 PSI                |
| EXT. SLAB     | .45       | 4.0"        | 5.5         | 3/4"              | 5000 PSI                |
3. CONTRACTOR SHALL SUBMIT MIX DESIGNS PROPORTIONED BY A LICENSED TESTING LABORATORY.
  4. PROVIDE MINIMUM OF FOUR (4) CYLINDERS PER EACH FIFTY (50) YARDS OR FRACTION THEREOF POURED IN ONE DAY. BREAK ONE AT 7 DAYS AND TWO AT 28 DAYS.
  5. WHERE NEW CONCRETE IS TO BE POURED ONTO EXISTING CONCRETE, BONDING IS REQUIRED AS NOTED IN ACI 301.
  6. CONDUITS AND PIPES OF ALUMINUM SHALL NOT BE EMBEDDED IN CONCRETE.

REINFORCING STEEL

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

FOUNDATIONS

1. ALL FOUNDATIONS ARE TO BEAR ON APPROVED BEARING MATERIAL. SEE GEOTECHNICAL EVALUATION BY QUALITY GEO ENGINEERING, P.C., DATED SEPT. 18, 2020.
2. ALL FOUNDATION EXCAVATIONS ARE SUBJECT TO APPROVAL BY THE OWNER'S REPRESENTATIVE BEFORE ANY CONCRETE IS PLACED.
3. ALL FORMS AND REINFORCING STEEL IN PLACE SHALL BE APPROVED BY THE OWNER'S REPRESENTATIVE BEFORE ANY CONCRETE IS PLACED.
4. NO FOUNDATION SHALL BE PLACED IN WATER OR ON FROZEN GROUND.
5. IN GENERAL, EXTERIOR CONSTRUCTION SHALL BE CARRIED DOWN A MINIMUM OF 4'-0" BELOW FINISHED EXTERIOR GRADE.
6. CENTERLINE OF FOOTINGS, WALLS, GRADE BEAMS, COLUMNS, AND BEAMS SHALL COINCIDE, UNLESS OTHERWISE NOTED.
7. REFER TO ARCHITECTURAL AND CIVIL DRAWINGS FOR FOUNDATION DRAINAGE.
8. ALL EXTERIOR CONCRETE USED ABOVE GRADE SHALL HAVE AN AIR ENTRAINING AGENT.
9. RUB ALL SIGHT EXPOSED CONCRETE AFTER FORMS HAVE BEEN REMOVED.
10. ALL EXPOSED CONCRETE PIER CORNERS SHALL BE CHAMFERED 3/4".
11. ALL GROUT FOR BASE PLATES SHALL BE NON-SHRINK WITH A MINIMUM COMPRESSIVE STRENGTH OF 5000 PSI AT 28 DAYS.
12. ANCHOR BOLTS - ASTM F1554, Fy=36 KSI, 1" DIAMETER UNLESS NOTED OTHERWISE.
13. ISOLATION JOINT - ASPHALT IMPREGNATED FILLER STRIP CONFORMING TO ASTM D-944.
14. ALL STEEL COLUMNS BELOW GRADE SHALL BE TWICE COATED WITH A BITUMINOUS COATING.
15. CONTRACTOR SHALL VERIFY ALL DIMENSIONS ON THE JOB BEFORE COMMENCING WORK. REFER TO ARCHITECTURAL DRAWINGS FOR ANY DIMENSIONS AND DETAILS NOT SHOWN. REFER TO ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS FOR LOCATION AND DIMENSIONS OF ANY OPENING, SLEEVES, INSERTS, SLAB DEPRESSIONS, ETC.
16. EPOXY ANCHORS SHALL BE HIT HY-200 INJECTION ADHESIVE ANCHORS AS MANUFACTURED BY HILTI, INC., TULSA OK (800-877-8000).

SLABS-ON-GRADE

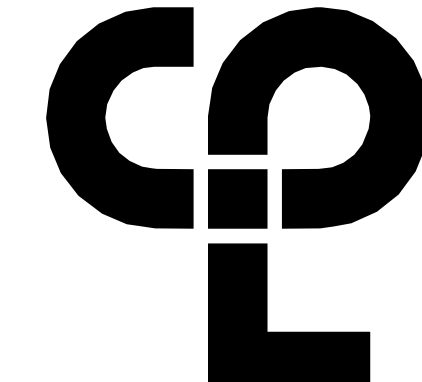
1. ALL SLABS ON GRADE SHALL BE PLACED OVER A STEGO 10 MIL VAPOR BARRIER, TAPE ALL SEAMS AND PROVIDE FLASHING/BOOTS AROUND PIPE PENETRATIONS.
2. UNDER SLABS ON GRADE: POROUS 6-INCH LIFT WASHED OF "CRUSHED STONE" MATERIAL CONSISTING OF A 50/50 MIX OF #1'S AND #2'S, ASTM #57 STONE.
3. SLAB-ON-GRADE REINFORCEMENT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

MASONRY NOTES

1. MASONRY CONSTRUCTION SHALL CONFORM TO THE LATEST EDITION OF THE "BUILDING CODE REQUIREMENTS FOR CONCRETE MASONRY STRUCTURES" (ACI 530) AND "SPECIFICATION FOR MASONRY STRUCTURES" (ACI 530.1).
2. REFER TO ARCHITECTURAL DRAWINGS FOR EXTENT AND TYPE OF MASONRY WALLS. NON-LOADBEARING MAY NOT BE SHOWN ON THE STRUCTURAL DRAWINGS.
3. ALL CONCRETE UNITS SHALL CONFORM TO ASTM C 90 GRADE N1 AND SAMPLED IN ACCORDANCE WITH ASTM C 140. CONCRETE STRENGTH OF MASONRY UNITS (BASED ON NET AREA) SHALL BE 1,900 PSI MINIMUM.
4. ALL GROUT SHALL BE NON-SHRINK, AND SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI AT 28 DAYS, AS PROPORTIONED IN ACCORDANCE WITH ASTM C 109. GROUT FOR FILLING CELLS SHALL CONFORM TO ASTM C 476. SUBMIT MIX DESIGN FOR GROUT.
5. GROUT SHALL BE PLACED IN LIFTS NOT TO EXCEED 4'-0" IN HEIGHT.
6. ALL MORTAR SHALL BE PORTLAND CEMENT, SAND, AND HYDRATED LIME CONFORMING TO ASTM C 270, TYPE 3 OR TYPE N. NO BAG MIXES ARE ALLOWED. MINIMUM MORTAR COMPRESSIVE STRENGTH (AT 28 DAYS) OF MORTAR SHALL BE: TYPE S = 1,800 PSI FOR MASONRY WALLS & PIERS, AND TYPE N = 750 PSI FOR BRICK WORK.
7. CONCRETE MASONRY UNITS SHALL BE LAID IN RUNNING BOND, UNLESS OTHERWISE NOTED. HORIZONTAL AND VERTICAL JOINTS SHALL HAVE A UNIFORM WIDTH OF 3/8 INCHES. SEE ARCHITECTURAL DRAWINGS FOR OTHER BOND PATTERNS OF VENEER BLOCK.
8. PROVIDE VERTICAL REINFORCEMENT IN CELLS OF CONCRETE MASONRY UNITS (FULLY EMBEDDED IN GROUT) AS SHOWN ON THE PLANS, SCHEDULES AND OTHER DETAILS.
9. PROVIDE HORIZONTAL LADDER TYPE REINFORCEMENT IN BED JOINTS EVERY OTHER COURSE (MAXIMUM SPACING 16" O/C) IN TYPICAL WALLS AND IN EVERY COURSE (MAXIMUM 8" O/C) IN PARAPETS AND CANTILEVERED WALLS. REINFORCEMENT SHALL BE CONTINUOUS AND LAPPED AT LEAST SIX INCHES AT SPLICES.
10. REINFORCEMENT SHALL BE PLACED AT ALL CORNERS AND INTERSECTIONS. PROVIDE W1.7 (9) GAGE REINFORCEMENT AT 8" CMU WALLS, AND W2.8 (3/16" DIA.) REINFORCEMENT AT 12" CMU WALLS.
11. GROUT ALL CELLS OF MASONRY UNITS FOR THE FIRST TWO COURSES ABOVE ALL FOUNDATION WALLS AND SLABS. PLACE GROUT IN ALL REINFORCED CELLS. PLACE GROUT IN ALL CELLS THAT ARE TO RECEIVE POST-INSTALLED WEDGE ANCHORS.
12. PROVIDE CORNER BARS TO MATCH HORIZONTAL REINFORCING WHERE HORIZONTAL REINFORCING MEETS AT A CORNER OR INTERSECTION.
13. INSTALL LOOSE UNITS OVER ALL OPENINGS IN EXTERIOR AND INTERIOR NON-BEARING WALLS (SEE SCHEDULE), EXCEPT WHERE OTHERWISE INDICATED ON DRAWINGS. ALL EXTERIOR UNITS TO BE GALVANIZED.
14. CONTROL JOINTS SHALL BE PROVIDED IN ALL MASONRY CONSTRUCTION. REFER TO PROJECT TYPICAL DETAILS AND PROJECT SPECIFICATIONS FOR GUIDELINES. UNLESS NOTED OTHERWISE, CONTROL JOINT LOCATIONS SHALL BE AS FOLLOWS:  
A. IN REINFORCED MASONRY:  
c. SPACING NOT TO EXCEED THE LESSER OF 1.5 x WALL HEIGHT OR 25'-0" O/C,  
d. AT MAXIMUM OF 1/2 SPACING FROM CORNERS,  
e. AT CHANGES IN WALL HEIGHT,  
f. BETWEEN MAIN AND INTERSECTING WALLS,  
g. AT CHANGES IN WALL THICKNESS.  
B. IN MASONRY VENEER:  
c. SPACING NOT TO EXCEED 20'-0" O/C FOR WALLS WITH MULTIPLE OPENINGS / 25'-0" O/C FOR WALLS WITHOUT OPENINGS,  
d. AT OR NEAR CORNERS AND INTERSECTIONS,  
e. AT CHANGES IN WALL HEIGHT,  
f. WHERE BACKING OR SUPPORT MATERIALS CHANGE.
15. MASONRY WALLS SHALL BE BRACED EITHER BY INTERSECTING WALLS OR BY ANCHORS TO THE STRUCTURE ABOVE. REFER TO TYPICAL DETAILS FOR BRACING REQUIREMENTS FOR INTERIOR MASONRY WALLS.
16. SUBMIT REINFORCING SHOP DRAWINGS.

STRUCTURAL STEEL NOTES

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



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PROJECT INFORMATION

Project Number  
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NEWBURGH ENLARGED CITY  
SCHOOL DISTRICT

Project Name  
PHASE 3: HERITAGE MIDDLE  
SCHOOL 2019 CAPITAL  
IMPROVEMENT PROJECT

Project Address  
405 Union Avenue, New Windsor, NY 12553

SBD Number  
44-16-00-01-0-039-011

REVISIONSCHEDULE  
# Date Description

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09/06/2021  
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Drawn By  
P A T  
Drawing Title  
STRUCTURAL PROJECT NOTES

Checked By  
L D W

STRUCTURAL PROJECT NOTES

HMS  
S800



COLD-FORMED METAL FRAMING NOTES

1. ALL COLD-FORMED STEEL FRAMING MEMBERS, THEIR DESIGN, FABRICATION AND ERECTION SHALL CONFORM TO THE "NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS" OF THE AMERICAN IRON AND STEEL INSTITUTE (AISI), AND "NORTH AMERICAN STANDARDS FOR COLD-FORMED STEEL FRAMING - GENERAL PROVISIONS".
2. STUD AND TRACK PROFILES SHALL BE STANDARD SECTIONS USED BY MEMBERS OF THE STEEL STUD MANUFACTURERS ASSOCIATION (SSMA).
3. COLD-FORMED METAL FRAMING MEMBERS SHALL CONFORM TO ASTM C 995 WITH A MINIMUM YIELD STRENGTH OF 33 KSI FOR 43 MIL (18 GAUGE) AND THINNER MEMBERS, AND 50 KSI FOR ALL OTHERS.
4. ALL COLD-FORMED METAL FRAMING MEMBERS SHALL BE FORMED OF CORROSION-RESISTANT STEEL, G-60 (G-90 AT EXTERIOR APPLICATIONS) CONFORMING TO ASTM A 653 AND ASTM C 955.
5. MEMBERS SHALL BE MANUFACTURER'S STANDARD "C" SHAPED STUDS/JOISTS OF THE SIZE, FLANGE WIDTH AND GAUGE INDICATED. ALL MEMBERS SHALL HAVE A MINIMUM FLANGE LIP RETURN OF 1/2" AND SATISFY THE MINIMUM PROPERTIES AS PER THE STEEL STUD MANUFACTURERS ASSOCIATION (SSMA).
6. THE GAUGE OF ALL TRACKS SHALL BE NO LIGHTER THAN THE FRAMING BEING CONNECTED, CONNECT TRACKS TO CONCRETE WITH 0.145" DIA. POWER DRIVEN FASTENERS (WITH 1.25" EMBEDMENT) AT 16" ON CENTER.
7. ALL WELDING SHALL BE IN CONFORMANCE WITH AMERICAN WELDING SOCIETY SPECIFICATION D1.3. ALL WELDS SHALL BE TOUCHED UP WITH ZINC RICH PAINT.
8. ALL STRUCTURAL MEMBERS SHALL BE PROPERLY CONNECTED TO EACH OTHER AND TO THE SUPPORTING BACK-UP FRAMING. FASTENINGS SHALL BE MADE WITH SELF TAPPING SCREWS OR WELDS OF SUFFICIENT SIZE TO INSURE THE CONNECTION STRENGTH. NOTE: FOR UL ASSEMBLY CW-S-1019, SLIDE CLIPS CONNECTING EXTERIOR STUDS TO SUPPORTED FLOORS ARE TO BE WELDED TO THE POUR STOP AS SHOWN IN THE SECTIONS. POWER DRIVEN FASTENERS MAY BE USED FOR THE INITIAL CLIP PLACEMENT ONLY.
9. PROVIDE BRIDGING FOR STUDS, JOISTS AND RAFTERS AT MID SPAN AND AT A MAXIMUM SPACING NOT TO EXCEED 4'-0". ALL BRIDGING SHALL BE INSTALLED PRIOR TO THE ADDITION OF ANY LOADING. CONNECT BRIDGING TO EACH MEMBER BY WELDING, CLIP ANGLES OR OTHER APPROVED METHOD PER THE MANUFACTURER'S REQUIREMENTS.
10. PROVIDE WEB STIFFENERS AT JOIST AND RAFTER BEARINGS IN ACCORDANCE WITH THE MANUFACTURER'S REQUIREMENTS.
11. ALL AXIALLY LOADED STUDS SHALL HAVE FULL BEARING AGAINST THE INSIDE TRACK WEB, PRIOR TO STUD AND TRACK ALIGNMENT. SPLICES IN AXIALLY LOADED STUDS ARE NOT PERMITTED.
12. PROVIDE THE MANUFACTURER'S STANDARD TRACK, CLIP ANGLES, BRACING, REINFORCEMENTS, FASTENERS AND ACCESSORIES AS RECOMMENDED BY THE MANUFACTURER FOR THE APPLICATION INDICATED AND AS NEEDED TO PROVIDE A COMPLETE FRAMING SYSTEM. UNLESS OTHERWISE NOTED, INSTALL THE METAL FRAMING SYSTEM IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS AND RECOMMENDATIONS.
13. THE CONTRACTOR SHALL SUBMIT THE FOLLOWING FOR APPROVAL:
- A. MANUFACTURER'S PRODUCT DATA AND LATEST TECHNICAL DATA.
- B. ERECTION DRAWINGS SHOWING THE NUMBER, TYPE, LOCATION AND SPACING OF ALL MEMBERS. ALL CONNECTIONS AND ATTACHMENTS SHALL BE CLEARLY SHOWN.
- C. THE PROPERTIES OF ALL FRAMING MEMBERS THAT ARE USED IN LOAD BEARING APPLICATIONS, DEMONSTRATING CONFORMANCE WITH THE MINIMUM ACCEPTABLE PROPERTIES NOTED HEREIN.
- D. STRUCTURAL CALCULATIONS FOR ALL CONNECTIONS & MEMBERS BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF NEW YORK.
14. UNLESS OTHERWISE NOTED, PROVIDE DOUBLE JACK STUDS AT ALL BEAM/HEADER BEARINGS.
15. COLD-FORMED METAL FRAMING MEMBERS, HEADERS, AND CONNECTIONS SHOWN ON STRUCTURAL AND ARCHITECTURAL DRAWINGS ARE SCHEMATIC ONLY AND SHALL BE DESIGNED TO MEET PROJECT AND SPECIFICATION REQUIREMENTS. ANY MEMBER SIZES OR SPACINGS SHOWN SHALL BE CONSIDERED AS MINIMUMS.
16. DO NOT SCREW OR WELD STUDS TO VERTICAL DEFLECTION TRACKS. DO NOT CONNECT SHEATHING TO VERTICAL DEFLECTION TRACKS AND PROVIDE GAP IN SHEATHING TO ACCOMODATE VERTICAL DEFLECTION.

SPECIAL INSPECTIONS NOTES

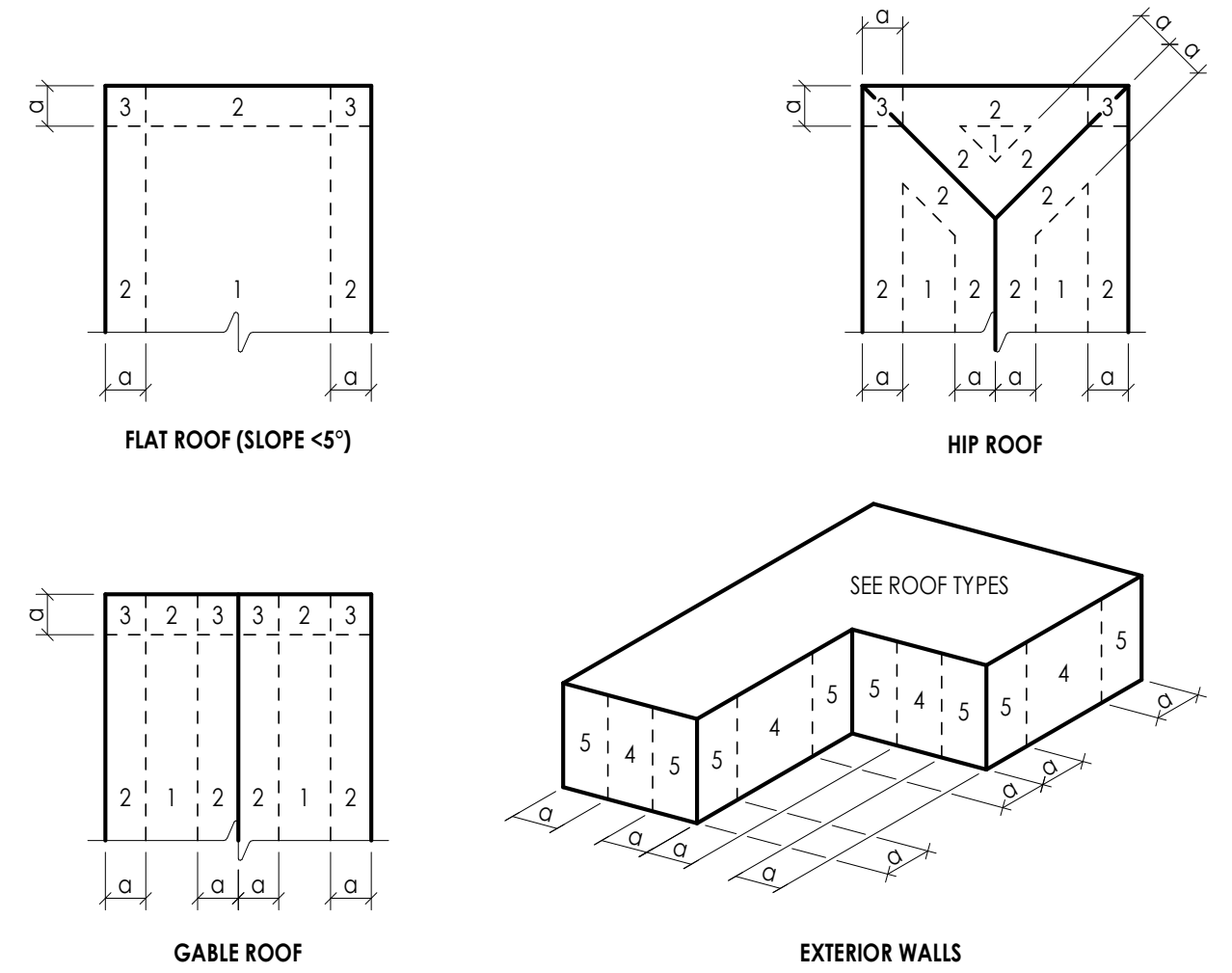
1. THE OWNER'S TESTING LABORATORY/INSPECTION AGENCY SHALL PROVIDE SPECIAL INSPECTION SERVICES IN ACCORDANCE WITH THE 2020 BUILDING CODE OF NEW YORK STATE, FOR THE FOLLOWING ITEMS AND WITH THE SCHEDULE OF SPECIAL INSPECTIONS ISSUED SEPARATELY.
- A. STEEL CONSTRUCTION:
- a. ALL FIELD WELDING
- b. HIGH-STRENGTH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

COMPONENTS AND CLADDING DESIGN PRESSURES

ZONE	EFFECTIVE WIND AREA				
	10 SQ. FT.	20 SQ. FT.	50 SQ. FT.	100 SQ. FT.	500 SQ. FT.
1	10.5 / -25.9 PSF	10.0 / -25.2 PSF	10.0 / -24.4 PSF	10.0 / -23.7 PSF	10.0 / -23.7 PSF
2	10.5 / -43.5 PSF	10.0 / -38.8 PSF	10.0 / -32.7 PSF	10.0 / -28.1 PSF	10.0 / -28.1 PSF
3	10.5 / -65.4 PSF	10.0 / -54.2 PSF	10.0 / -39.3 PSF	10.0 / -28.1 PSF	10.0 / -28.1 PSF
4	25.9 / -28.1 PSF	24.7 / -26.9 PSF	23.2 / -25.4 PSF	22.0 / -24.2 PSF	19.3 / -21.5 PSF
5	10.0 / -34.7 PSF	24.7 / -26.9 PSF	23.2 / -29.3 PSF	22.0 / -26.9 PSF	19.3 / -21.5 PSF
OVERHANG 2	43.8 PSF				
OVERHANG 3	72.1 PSF				

SCHEDULE NOTES:

1. PRESSURES SHOWN ARE APPLIED NORMAL TO THE SURFACE.
2. PLUS AND MINUS SIGNS SIGNIFY PRESSURES ACTING TOWARD AND AWAY FROM THE SURFACE, RESPECTIVELY.
3. DISTANCE 'd' SHALL BE 3'-0" FOR ALL INSTANCES SHOWN IN THE DIAGRAMS BELOW.
4. SEE DESIGN CRITERIA NOTES ON DRAWING S800 FOR OTHER PERTINENT INFORMATION.



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

CONCRETE REINFORCING LAP/EMBEDMENT SCHEDULE

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

MASONRY REINFORCING LAP/EMBEDMENT SCHEDULE

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

PROJECT INFORMATION

Project Number  
13940.18

Client Name  
**NEWBURGH ENLARGED CITY SCHOOL DISTRICT**

Project Name  
**PHASE 3: HERITAGE MIDDLE SCHOOL 2019 CAPITAL IMPROVEMENT PROJECT**

Project Address  
405 Union Avenue, New Windsor, NY 12553

SED Number  
44-16-00-01-0-039-011

REVISION SCHEDULE

# Date Description

SHEET INFORMATION

Issued  
09/06/2021  
BID DOCUMENTS

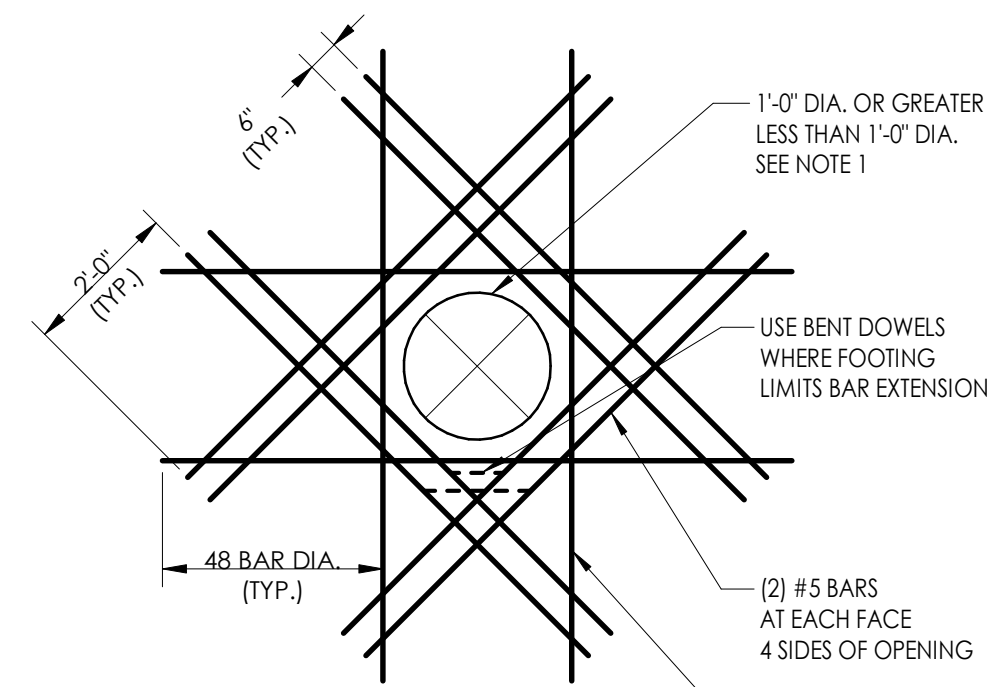
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P A T

Checked By  
L D W

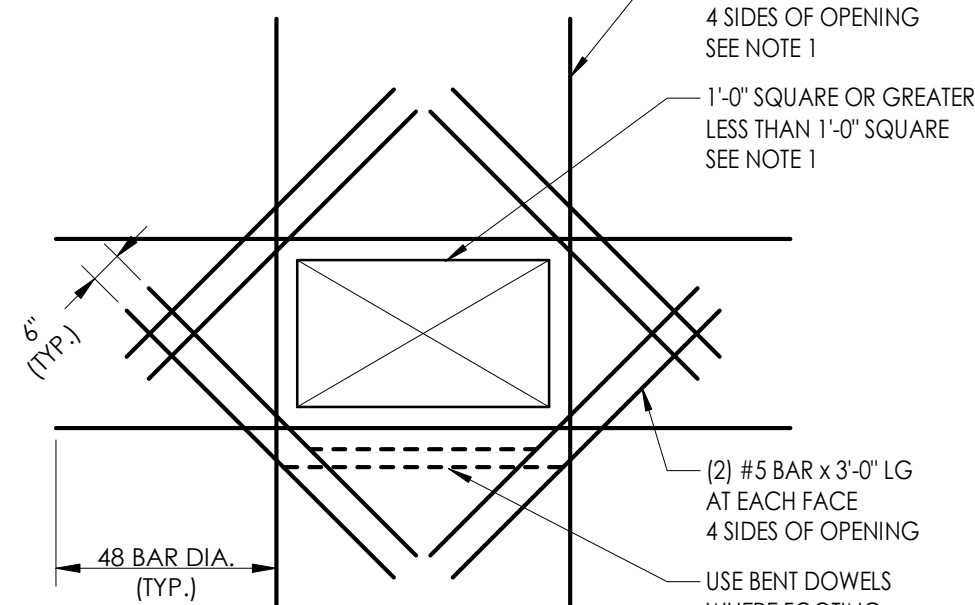
Drawing Title  
**STRUCTURAL PROJECT NOTES AND TYPICAL PROJECT SCHEDULES**

HMS  
S801





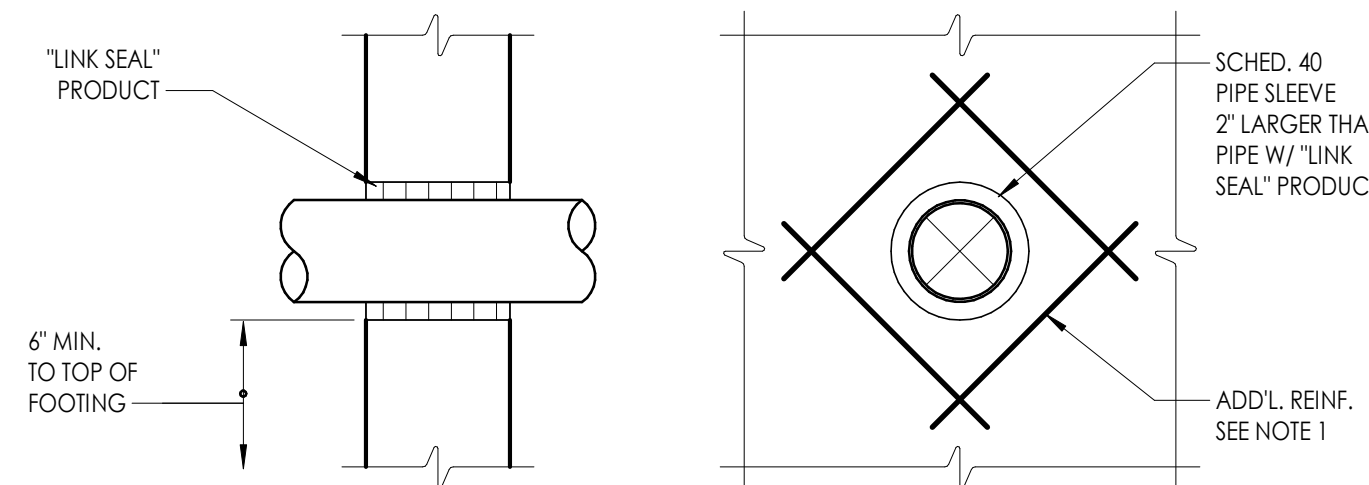
CIRCULAR OPENING



SQUARE OPENING

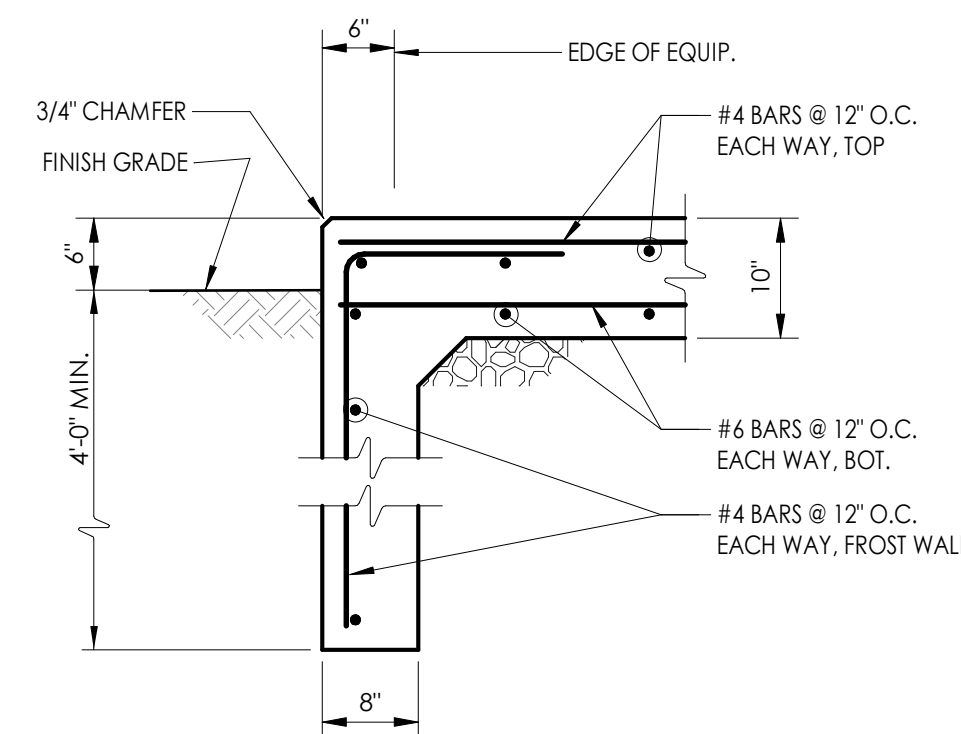
DETAIL NOTES:  
1. FOR OPENINGS WITH SIDES OR DIAMETERS LESS THAN 1'-0" THE WALL REINFORCING SHALL BE ADJUSTED TO CLEAR THE OPENING.  
2. REFER TO "FOUNDATION WALL PIPE PENETRATION DETAIL" FOR FURTHER INFORMATION.

1  
S802  
NO SCALE  
ADDITIONAL REINFORCING AT  
FOUNDATION WALL PENETRATION DETAIL

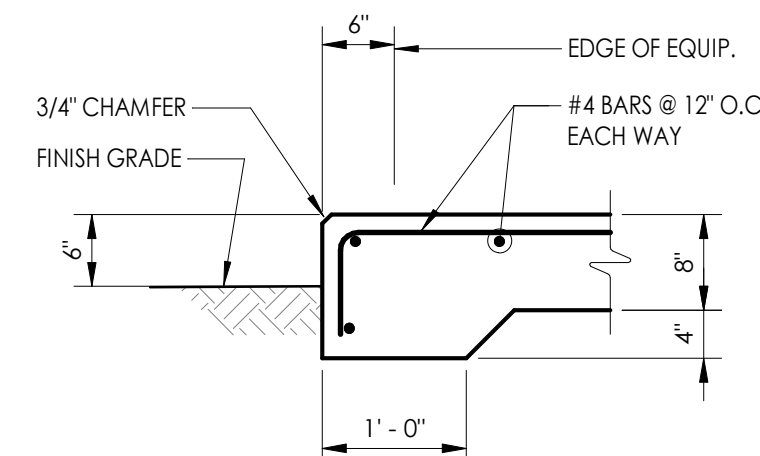


DETAIL NOTES:  
1. REFER TO "ADDITIONAL REINFORCING AT FOUNDATION WALL PENETRATION DETAIL" FOR REINFORCING INFORMATION.  
2. COORDINATE PIPE PENETRATION LOCATION WITH MECHANICAL AND PLUMBING DRAWINGS.

2  
S802  
NO SCALE  
FOUNDATION WALL  
PIPE PENETRATION DETAIL



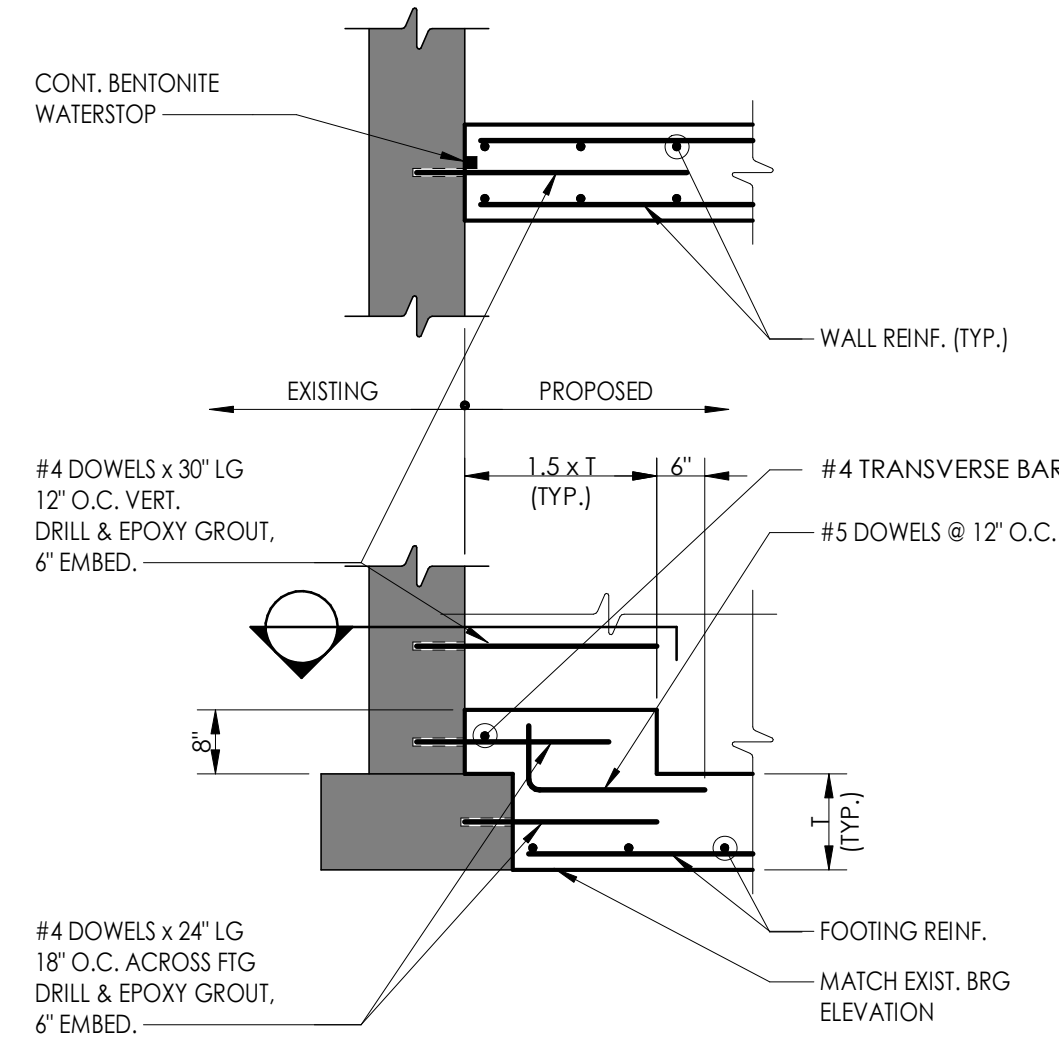
MOVEMENT SENSITIVE EQUIPMENT



MOVEMENT ALLOWED EQUIPMENT

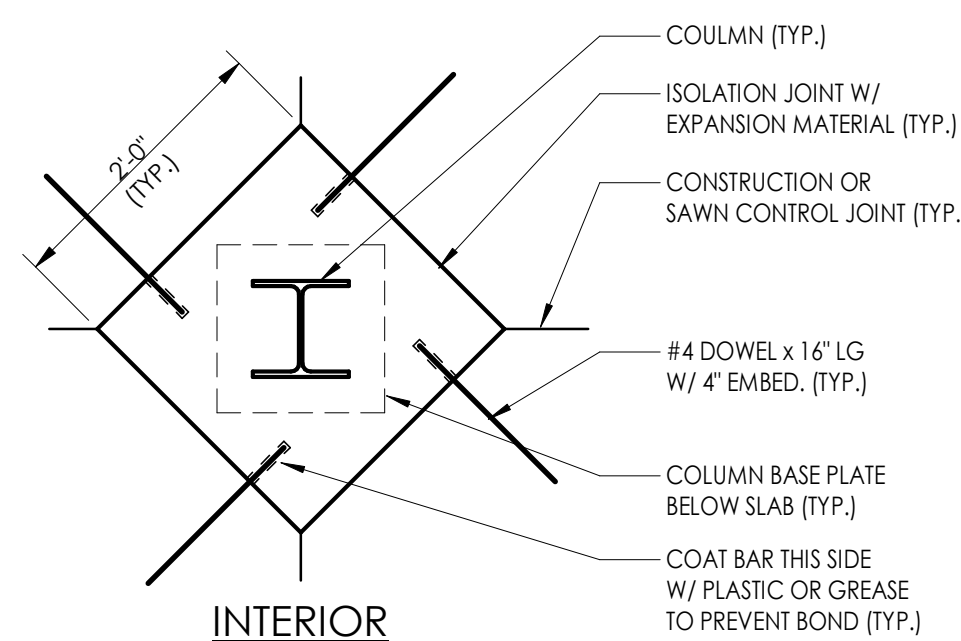
DETAIL NOTES:  
1. COORDINATE EQUIPMENT PAD SIZE AND LOCATION WITH MECHANICAL, ELECTRICAL AND EQUIPMENT MANUFACTURER'S DRAWINGS.  
2. VERIFY PAD THICKNESS WITH EQUIPMENT MANUFACTURER FOR ANCHORAGE REQUIREMENTS.

6  
S802  
NO SCALE  
EXTERIOR EQUIPMENT PAD DETAIL

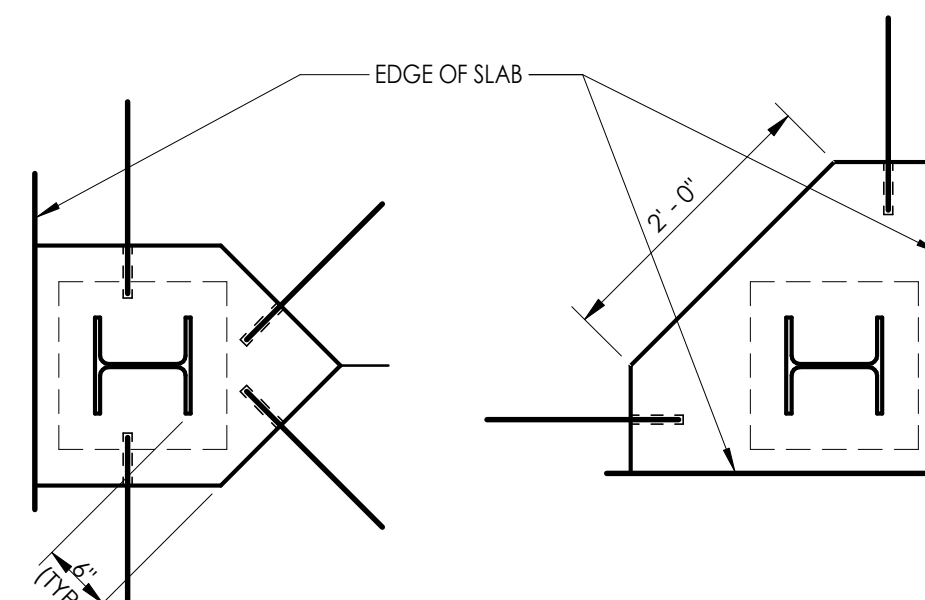


DETAIL NOTES:  
1. SEE PLANS FOR EXISTING AND PROPOSED WALL THICKNESS AND REINFORCING.  
2. DETAIL SHALL BE USED UNLESS NOTED OTHERWISE ON DRAWINGS.

3  
S802  
NO SCALE  
NEW TO EXISTING FOUNDATION  
WALL CONNECTION DETAIL



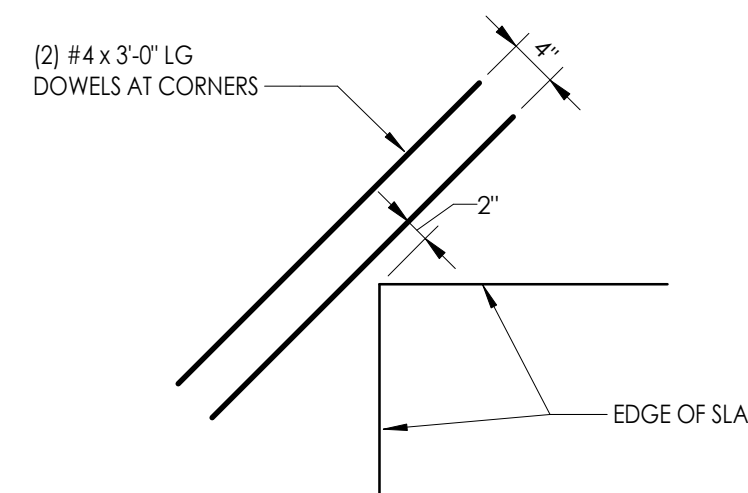
INTERIOR



PERIMETER

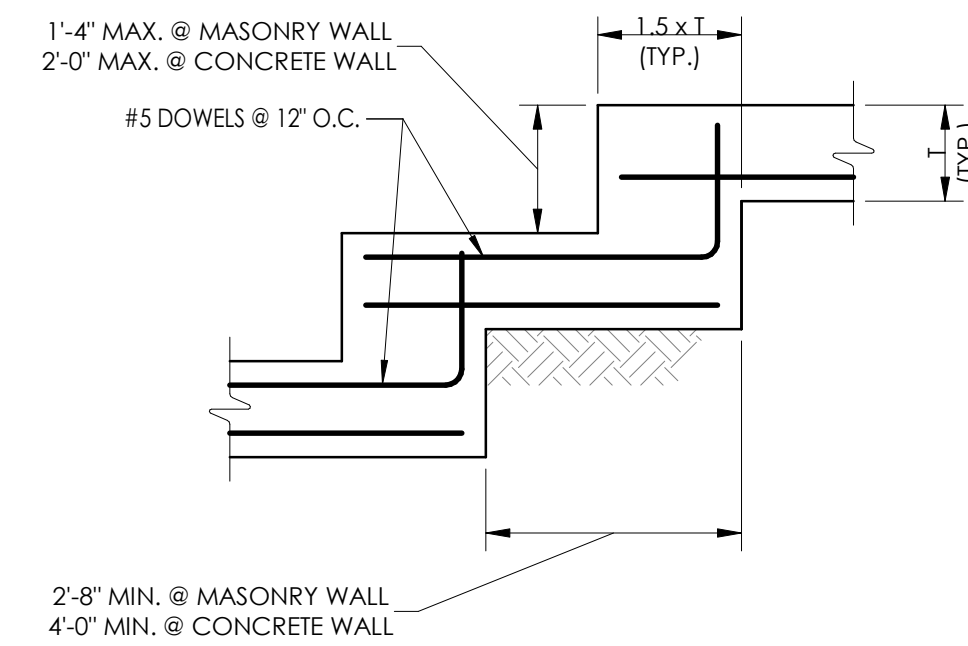
DETAIL NOTES:  
1. PLACE CONCRETE IN ISOLATED AREAS ONLY AFTER SLAB-ON-GRADE HAS PROPERLY CURED.  
2. SEE PLANS FOR COLUMN SIZE, SHAPE AND ORIENTATION.

7  
S802  
NO SCALE  
ISOLATION JOINT DETAIL



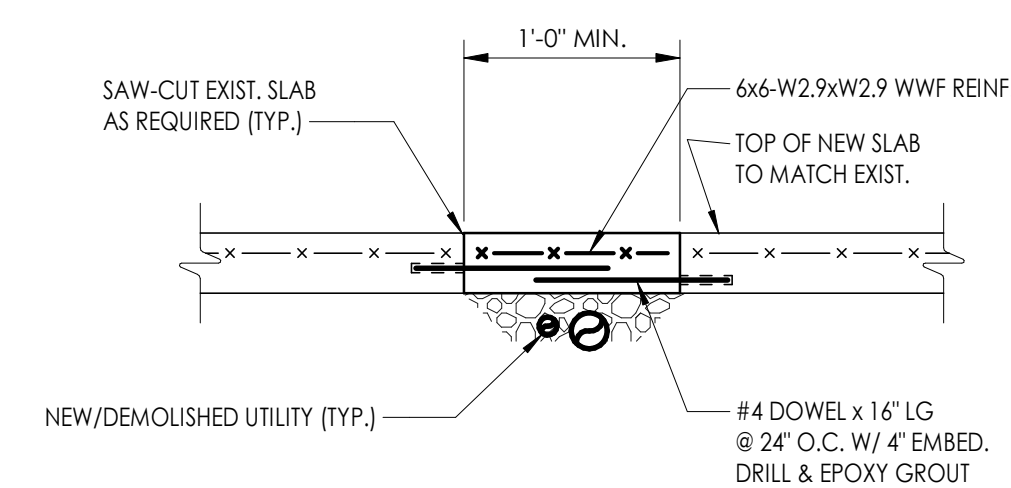
DETAIL NOTES:  
1. THIS DETAIL SHALL OCCUR AT DOOR OPENINGS.  
2. DOWELS SHALL BE LOCATED IN THE TOP OF THE SLAB, WHILE MAINTAINING PROPER COVER.

13  
S802  
NO SCALE  
SLAB-ON-GRADE REINFORCING  
AT RE-ENTRANT CORNERS DETAIL.



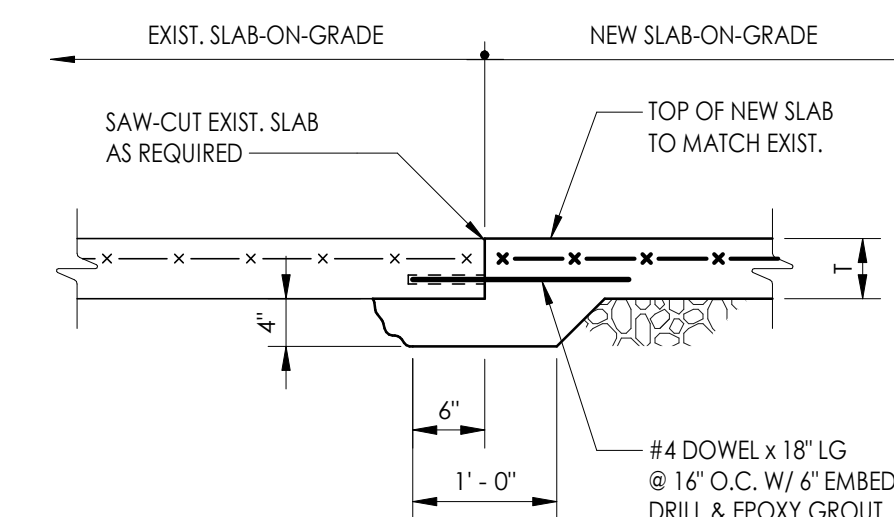
DETAIL NOTES:  
1. TRANSVERSE BARS NOT SHOWN FOR CLARITY.

4  
S802  
NO SCALE  
STEPPED WALL  
FOOTING DETAIL



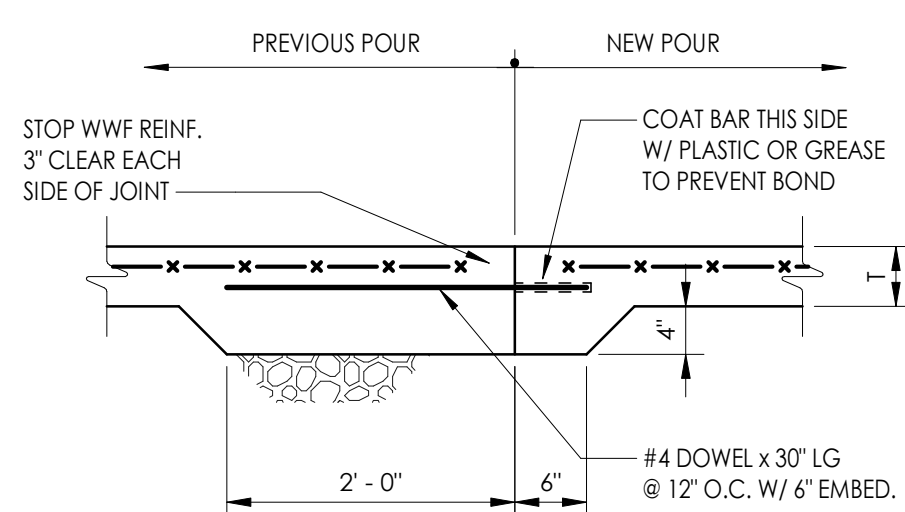
DETAIL NOTES:  
1. REFER TO MECHANICAL AND PLUMBING DRAWINGS FOR UTILITY LOCATIONS.

9  
S802  
NO SCALE  
NEW/DEMOLISHED UTILITIES AT  
EXISTING SLAB-ON-GRADE  
DETAIL



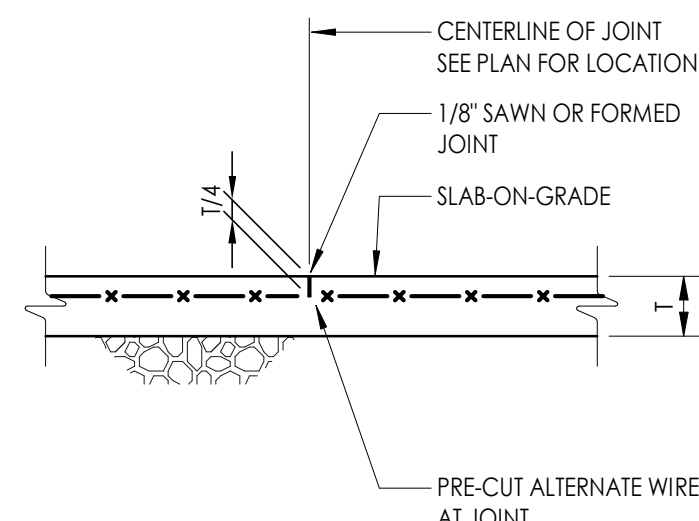
8  
S802  
NO SCALE  
NEW TO EXISTING SLAB-ON-  
GRADE CONNECTION DETAIL

5  
S802  
NO SCALE  
EXTERIOR THRESHOLD  
WITH STOOP DETAIL



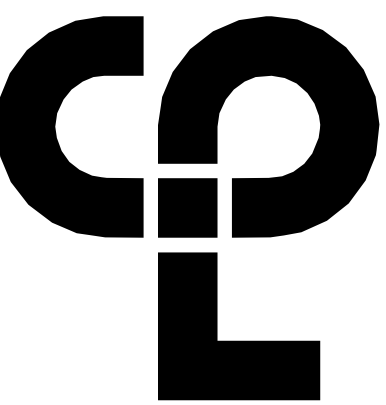
DETAIL NOTES:  
1. FILL JOINT WITH SEALANT.  
2. COAT VERTICAL SURFACE WITH OIL OR CURING COMPOUND BEFORE PLACING NEW POUR.

10  
S802  
NO SCALE  
SLAB-ON-GRADE  
CONSTRUCTION JOINT DETAIL



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

11  
S802  
NO SCALE  
SLAB-ON-GRADE  
CONTROL JOINT DETAIL



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

PROJECT INFORMATION

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13940.18  
Client Name

NEWBURGH ENLARGED CITY  
SCHOOL DISTRICT

Project Name  
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44-16-00-01-0-039-011

REVISION SCHEDULE  
# Date Description

SHEET INFORMATION

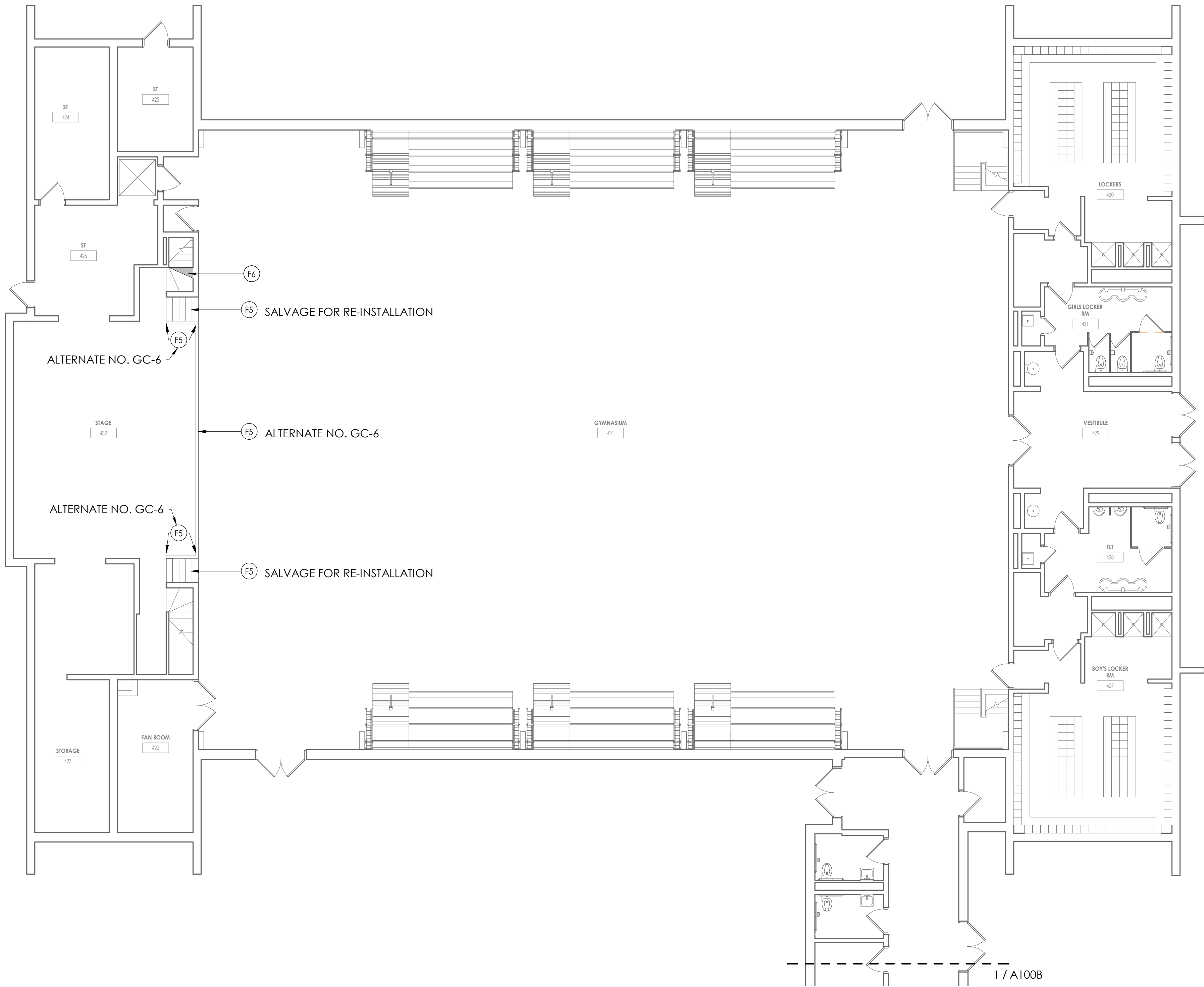
Issued  
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BID DOCUMENTS  
Drawn By  
Author  
Checked By  
Checker  
Drawing Title  
TYPICAL DETAILS

HMS  
S802









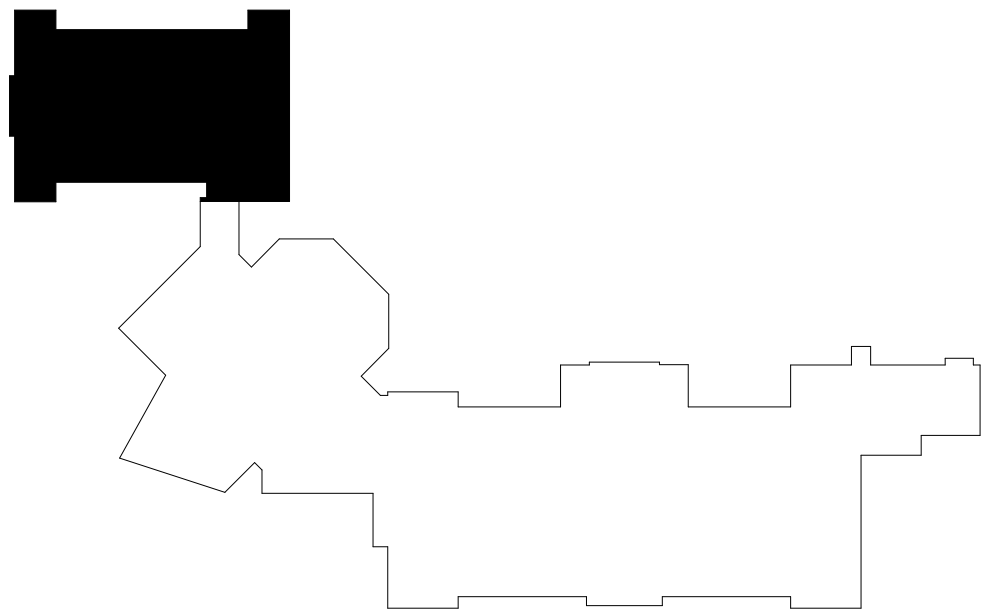
1  
A100A  
GROUND FLOOR AREA A - DEMOLITION  
1/8" = 1'-0"

## DEMOLITION GENERAL NOTES

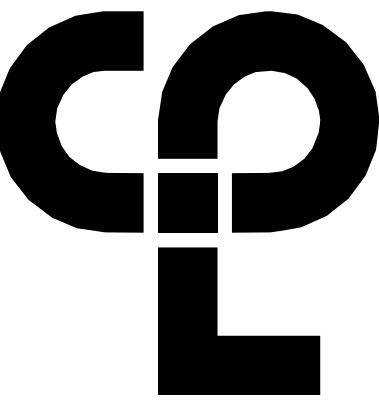
1. IT IS THE CONTRACTORS RESPONSIBILITY TO FAMILIARIZE THEMSELVES WITH ALL DETAILS INVOLVED IN THE DEMOLITION CONTRACT. SPECIFIC INSTRUCTION ON EACH ITEM WILL NOT BE GIVEN.
2. GC IS RESPONSIBLE FOR KEEPING BUILDING WEATHTIGHT DURING DEMOLITION WORK.
3. GC IS TO PROVIDE DUST CONTROL BARRIERS AT ALL AREAS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

## DEMOLITION KEY NOTES

- (C1) REMOVE EXISTING ACOUSTIC CEILING TILES, GRID, AND SUSPENSION SYSTEM IN ITS ENTIRETY FULL EXTENT OF ROOM. PATCH WALLS AFFECTED BY DEMOLITION.
- (C2) REMOVE EXISTING METAL STUD, GYPSUM WALL BOARD SOFFIT AND ALL ASSOCIATED COMPONENTS IN ITS ENTIRETY.
- (C3) REMOVE EXISTING GYPSUM BOARD CEILING AND ALL ASSOCIATED FRAMING IN ITS ENTIRETY.
- (C4) REMOVE AND SALVAGE 24X24 OR 24X48 ACOUSTIC CEILING TILE. STORE PANELS SAFELY FOR REINSTALLATION IN NEW WORK. REFER TO RCPS. EXISTING GRID AND SUSPENSION SYSTEM TO REMAIN.
- (C5) REMOVE PORTION OF EXISTING CEILING TILES, GRID, AND SUSPENSIONS SYSTEM AT SHADED AREAS INDICATED ON DRAWINGS. SALVAGE EXISTING CEILING TILES FOR REINSTALLATION. PATCH WALLS AFFECTED BY DEMOLITION.
- (D1) REMOVE EXISTING HOLLOW METAL DOOR, FRAME, AND ALL ASSOCIATED HARDWARE IN ITS ENTIRETY.
- (F1) REMOVE EXISTING VCT FLOORING, RUBBER BASE, AND ALL ASSOCIATED TRIM IN ITS ENTIRETY FULL EXTENT OF ROOM. PREPARE SUBSTRATE FOR INSTALLATION OF NEW FINISHES.
- (F2) REMOVE EXISTING CONCRETE RAMP, RAILING, AND ALL ASSOCIATED MOUNTING HARDWARE IN ITS ENTIRETY.
- (F3) REMOVE EXISTING CONCRETE STAIR, RAILING, AND ALL ASSOCIATED MOUNTING HARDWARE IN ITS ENTIRETY.
- (F4) REMOVE EXISTING 4" THICK CONCRETE SLAB, FINISHES, AND ALL ASSOCIATED TRIM IN ITS ENTIRETY. EXCAVATE DOWN TO REQUIRED ELEVATION FOR NEW WORK.
- (F5) REMOVE EXISTING SAFETY PADDING. PREPARE SUBTRATE FOR NEW FINISHES.
- (F6) REMOVED DAMAGED STAIR TREAD.
- (F7) SAW CUT AND REMOVE PORTION OF EXISTING SLAB ON GRADE AND EXCAVATE AS REQUIRED FOR NEW WORK. COORDINATE WORK WITH ALL TRADES.
- (F8) REMOVE EXISTING QUARRY TIL AND MUDSETE TO EXTENT SHOWN IN SHADED AREA.
- (F9) REMOVE EXISTING RUBBER BASE. PREPARE SURFACE FOR INSTALLATION OF NEW FINISHES.
- (F10) REMOVE RUBBER STAIR TREAD/RISER AND ALL ASSOCIATED TRIM. PREPARE SUBSTRATE FOR NEW FINISHES.
- (F11) SAW CUT AND REMOVE EXISTING FLOOR SLAB. PROVIDE OPENING SUPPORT PER STRUCTURAL DWGS.
- (M1) REMOVE EXISTING GYPSUM COLUMN WRAP AND ALL ASSOCIATED COMPONENTS. PREPARE FOR NEW FINISHES
- (M2) MC TO REMOVE EXISTING UNIT VENTILATORS. GC TO PATCH INTAKE OPENING AND FINISHES @ WALL/FLOOR PER DETAIL ON A801.
- (M3) REMOVE EXISTING RAILING.
- (M4) REMOVE EXISTING BALLASTED ROOF SYSTEM DOWN TO DECKING. REMOVE EXISTING FLASHING AS NECESSARY FOR INSTALLATION OF NEW ROOF SYSTEM.
- (M5) PC TO REMOVE EXISTING DRINKING FOUNTAIN. PATCH WALL AFFECTED BY DEMOLITION.
- (M6) REMOVE PAPER TOWEL DISPENSER AND TURN OVER TO OWNER.
- (M7) REMOVE AND SALVAGE FOR RE-INSTALLATION EXISTING STEEL WORK SURFACE.
- (M8) REMOVE AND REINSTALL STAINLESS STEEL TRAY SURFACE AS NECESSARY FOR DEMOLITION.
- (M9) REMOVE FLOOR MOUNTED SLEEVES. PATCH HOLE IN CONCRETE FLOOR.
- (M10) MC TO REMOVE EXISTING UNIT VENTILATORS. GC TO MODIFY CASEWORK AS NEEDED TO FACILITATE INSTALLATION OF NEW UNIT.
- (R1) REMOVE EXISTING EPDM ROOF MEMBRANE, COVER BOARD, ROOF INSULATION, AND SUBSTRATE BOARD REQUIRED TO INSTALL NEW ROOF CURB. COORDINATE ROOF DECK REMOVAL WITH STRUCTURAL DRAWINGS. COORDINATE INSTALLATION OF ROOF CURBS WITH MECHANICAL CONTRACTOR.
- (S1) REMOVE EXISTING COLUMN. REFER TO STRUCTURAL DWGS.
- (W1) REMOVE PORTION OF EXISTING CMU WALL PER DETAIL ON A401. SUPPORT REMAINING EXISTING WALL AS REQUIRED. PREPARE AREA FOR NEW WORK.
- (W2) REMOVE PORTION OF EXISTING WALL AS REQUIRED. PREPARE AREA FOR NEW WORK
- (W3) REMOVE EXISTING ALUMINUM STOREFRONT SYSTEM AND ALL RELATED MOUNTING HARDWARE.
- (W4) REMOVE EXISTING 6" CMU WALL IN ITS ENTIRETY. PATCH AND PREP. FOR NEW WORK.
- (W5) REMOVE EXISTING CHASE WALL IN ITS ENTIRETY. PATCH ALL ADJACENT SURFACES AFFECTED BY DEMOLITION.
- (W6) REMOVE PORTION OF EXISTING 8" CMU WALL. PREPARE ADJACENT SURFACES FOR NEW WORK.



KEYPLAN AREA A  
NTS



CPL | Architecture Engineering Planning  
50 FRONT ST. SUITE 202  
NEWBURGH, NY 12550  
CPLteam.com

## PROJECT INFORMATION

Project Number  
13940.18

Client Name

NEWBURGH ENLARGED CITY  
SCHOOL DISTRICT

Project Name

PHASE 3: HERITAGE MIDDLE  
SCHOOL 2019 CAPITAL  
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Project Address

405 Union Avenue, New Windsor, NY 12553

SED Number

44-16-00-01-0-039-011

## PROJECT ISSUE SCHEDULE

No. Date Description

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

## SHEET INFORMATION

Issued  
9/9/2021

Scale  
As indicated

Project Status

CONSTRUCTION DOCUMENTS

Drawn By

IM

Drawing Title

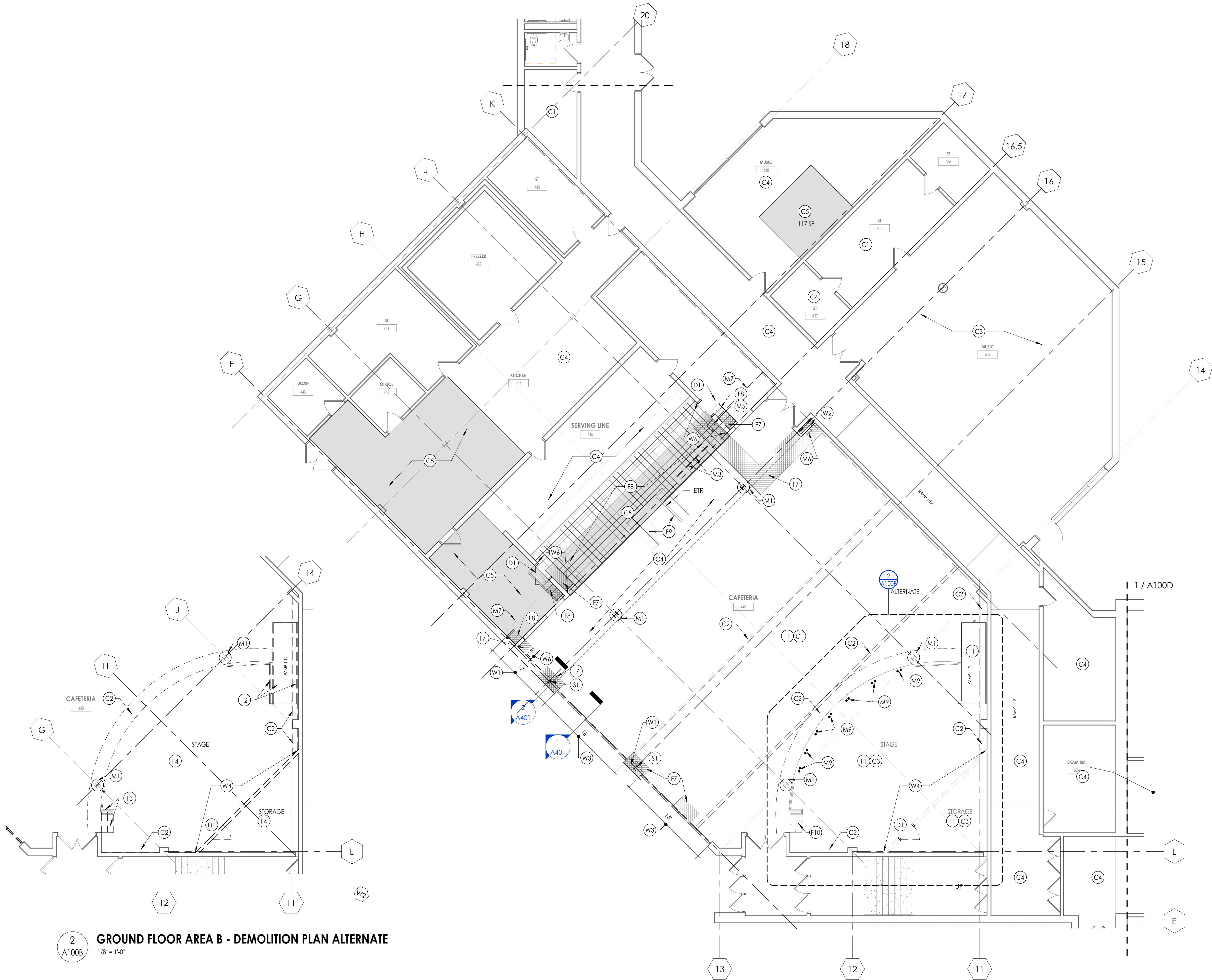
GROUND FLOOR AREA A -  
DEMOLITION PLAN

Drawing Number

HMS  
A100A



9/2/2021 1:34:01 PM S:\Projects\Newburgh ECSD\Heritage MS Additn & Reno\0 Design\06 Cldn\Revit



2  
A100B  
GROUND FLOOR AREA B - DEMOLITION PLAN ALTERNATE  
1/8" = 1'-0"

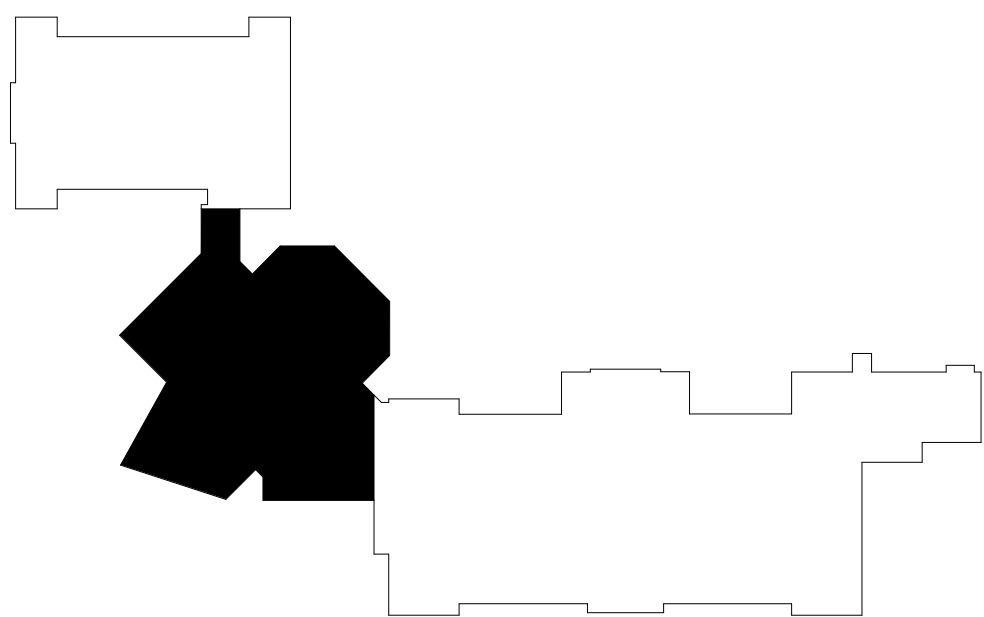
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A100B  
GROUND FLOOR AREA B - DEMOLITION PLAN BASE BID  
1/8" = 1'-0"

## DEMOLITION GENERAL NOTES

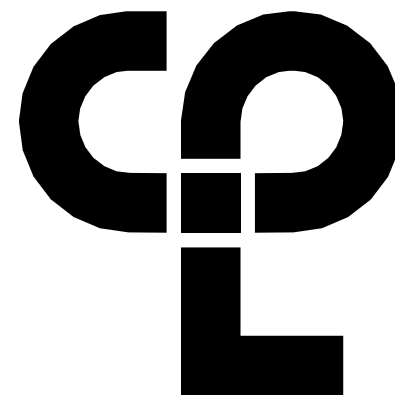
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## DEMOLITION KEY NOTES

- (C1) REMOVE EXISTING ACOUSTIC CEILING TILES, GRID, AND SUSPENSION SYSTEM IN ITS ENTIRETY FULL EXTENT OF ROOM. PATCH WALLS AFFECTED BY DEMOLITION.
- (C2) REMOVE EXISTING METAL STUD, GYPSUM WALL BOARD SOFFIT AND ALL ASSOCIATED COMPONENTS IN ITS ENTIRETY.
- (C3) REMOVE EXISTING GYPSUM BOARD CEILING AND ALL ASSOCIATED FRAMING IN ITS ENTIRETY.
- (C4) REMOVE AND SALVAGE 24X24 OR 24X48 ACOUSTIC CEILING TILE. STORE PANELS SAFELY FOR REINSTALLATION IN NEW WORK. REFER TO RCPS. EXISTING GRID AND SUSPENSION SYSTEM TO REMAIN.
- (C5) REMOVE PORTION OF EXISTING CEILING TILES, GRID, AND SUSPENSIONS SYSTEM AT SHADED AREAS INDICATED ON DRAWINGS. SALVAGE EXISTING CEILING TILES FOR REINSTALLATION. PATCH WALLS AFFECTED BY DEMOLITION.
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- (F1) REMOVE EXISTING VCT FLOORING, RUBBER BASE, AND ALL ASSOCIATED TRIM IN ITS ENTIRETY FULL EXTENT OF ROOM. PREPARE SUBSTRATE FOR INSTALLATION OF NEW FINISHES.
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- (F3) REMOVE EXISTING CONCRETE STAIR, RAILING, AND ALL ASSOCIATED MOUNTING HARDWARE IN ITS ENTIRETY.
- (F4) REMOVE EXISTING 4" THICK CONCRETE SLAB, FINISHES, AND ALL ASSOCIATED TRIM IN ITS ENTIRETY. EXCAVATE DOWN TO REQUIRED ELEVATION FOR NEW WORK.
- (F5) REMOVE EXISTING SAFETY PADDING. PREPARE SUBTRATE FOR NEW FINISHES.
- (F6) REMOVED DAMAGED STAIR TREAD.
- (F7) SAW CUT AND REMOVE PORTION OF EXISTING SLAB ON GRADE AND EXCAVATE AS REQUIRED FOR NEW WORK. COORDINATE WORK WITH ALL TRADES.
- (F8) REMOVE EXISTING QUARRY TIL AND MUSEDET TO EXTENT SHOWN IN SHADED AREA.
- (F9) REMOVE EXISTING RUBBER BASE. PREPARE SURFACE FOR INSTALLATION OF NEW FINISHES.
- (F10) REMOVE RUBBER STAIR TREAD/RISER AND ALL ASSOCIATED TRIM. PREPARE SUBSTRATE FOR NEW FINISHES.
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- (M1) REMOVE EXISTING GYPSUM COLUMN WRAP AND ALL ASSOCIATED COMPONENTS, PREPARE FOR NEW FINISHES
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- (M9) REMOVE FLOOR MOUNTED SLEEVES. PATCH HOLE IN CONCRETE FLOOR.
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KEYPLAN AREA B  
NTS



CPL | Architecture Engineering Planning  
50 FRONT ST. SUITE 202  
NEWBURGH, NY 12550  
CPLteam.com

## PROJECT INFORMATION

Project Number  
13940.18

Client Name

NEWBURGH ENLARGED CITY  
SCHOOL DISTRICT

Project Name

PHASE 3: HERITAGE MIDDLE  
SCHOOL 2019 CAPITAL  
IMPROVEMENT PROJECT

Project Address

405 Union Avenue, New Windsor, NY 12553

SED Number

44-16-00-01-0-039-011

## PROJECT ISSUE SCHEDULE

No. Date Description

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## SHEET INFORMATION

Issued  
9/9/2021

Scale  
As indicated

Project Status

CONSTRUCTION DOCUMENTS

Drawn By

IM

Checked By

LT

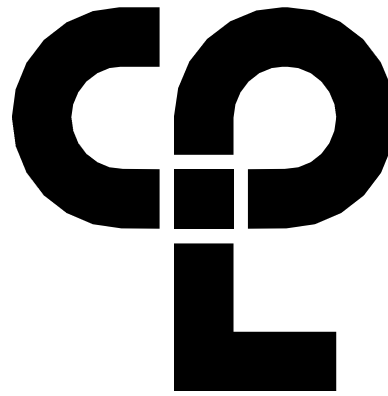
Drawing Title

GROUND FLOOR AREA B -  
DEMOLITION PLAN

Drawing Number

HMS  
A100B





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GROUND FLOOR AREA C -  
DEMOLITION PLAN

Drawing Number

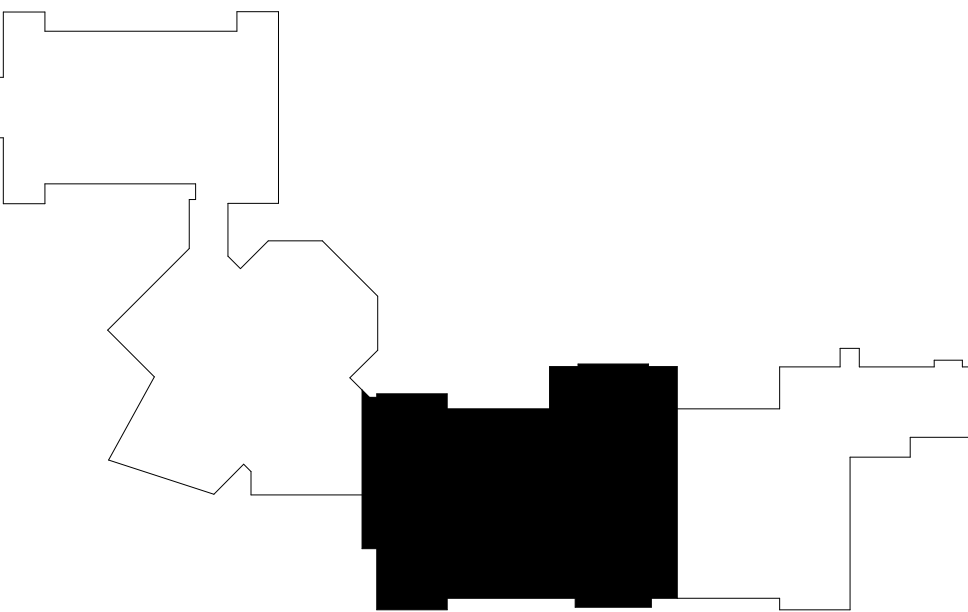
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DEMOLITION GENERAL NOTES

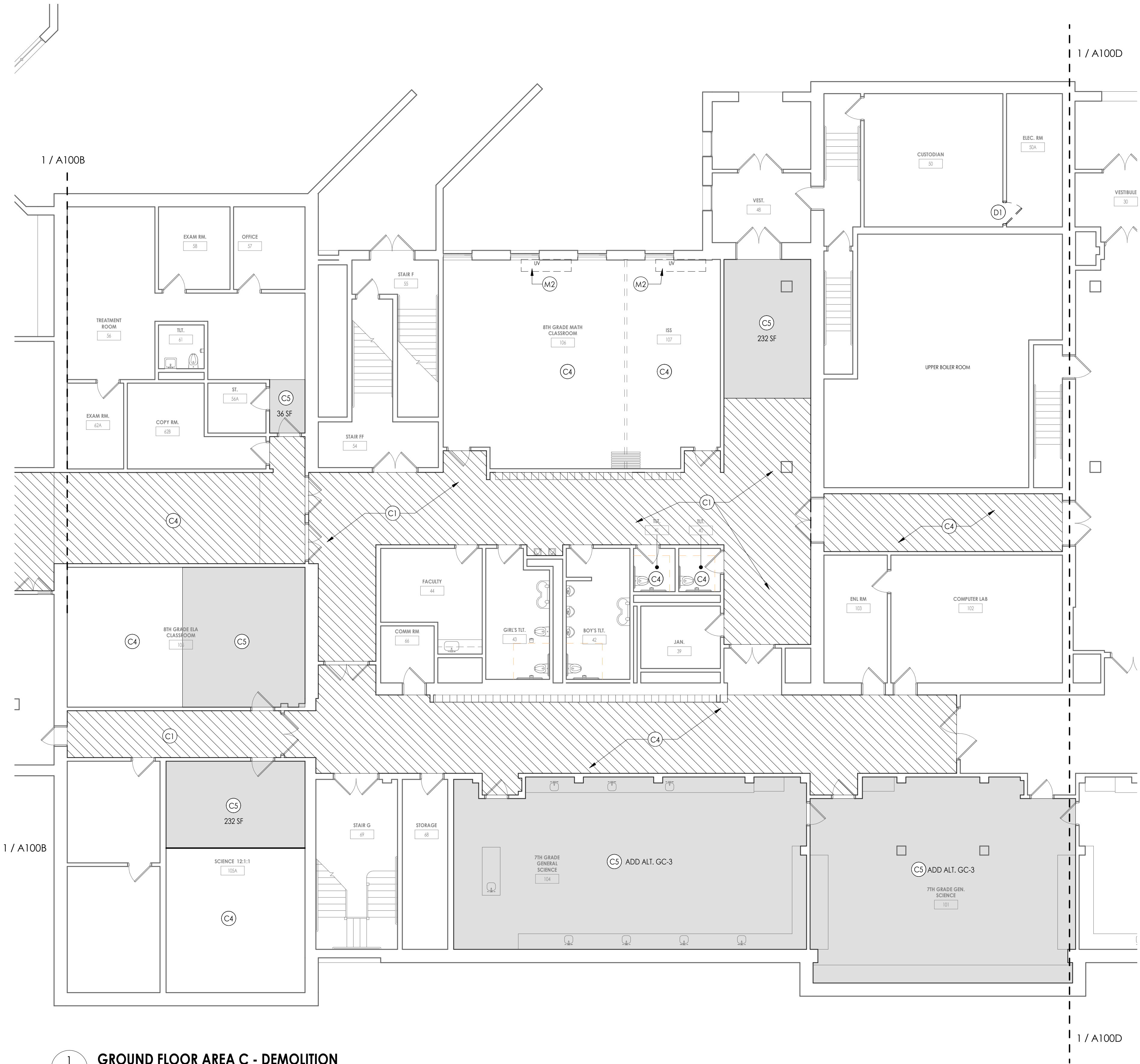
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- (C3) REMOVE EXISTING GYPSUM BOARD CEILING AND ALL ASSOCIATED FRAMING IN ITS ENTIRETY.
- (C4) REMOVE AND SALVAGE 24X24 OR 24X48 ACOUSTIC CEILING TILE. STORE PANELS SAFELY FOR REINSTALLATION IN NEW WORK. REFER TO RCPS. EXISTING GRID AND SUSPENSION SYSTEM TO REMAIN.
- (C5) REMOVE PORTION OF EXISTING CEILING TILES, GRID, AND SUSPENSIONS SYSTEM AT SHADED AREAS INDICATED ON DRAWINGS. SALVAGE EXISTING CEILING TILES FOR REINSTALLATION. PATCH WALLS AFFECTED BY DEMOLITION.
- (D1) REMOVE EXISTING HOLLOW METAL DOOR, FRAME, AND ALL ASSOCIATED HARDWARE IN ITS ENTIRETY.
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- (F3) REMOVE EXISTING CONCRETE STAIR, RAILING, AND ALL ASSOCIATED MOUNTING HARDWARE IN ITS ENTIRETY.
- (F4) REMOVE EXISTING 4" THICK CONCRETE SLAB, FINISHES, AND ALL ASSOCIATED TRIM IN ITS ENTIRETY. EXCAVATE DOWN TO REQUIRED ELEVATION FOR NEW WORK.
- (F5) REMOVE EXISTING SAFETY PADDING. PREPARE SUBTRATE FOR NEW FINISHES.
- (F6) REMOVED DAMAGED STAIR TREAD.
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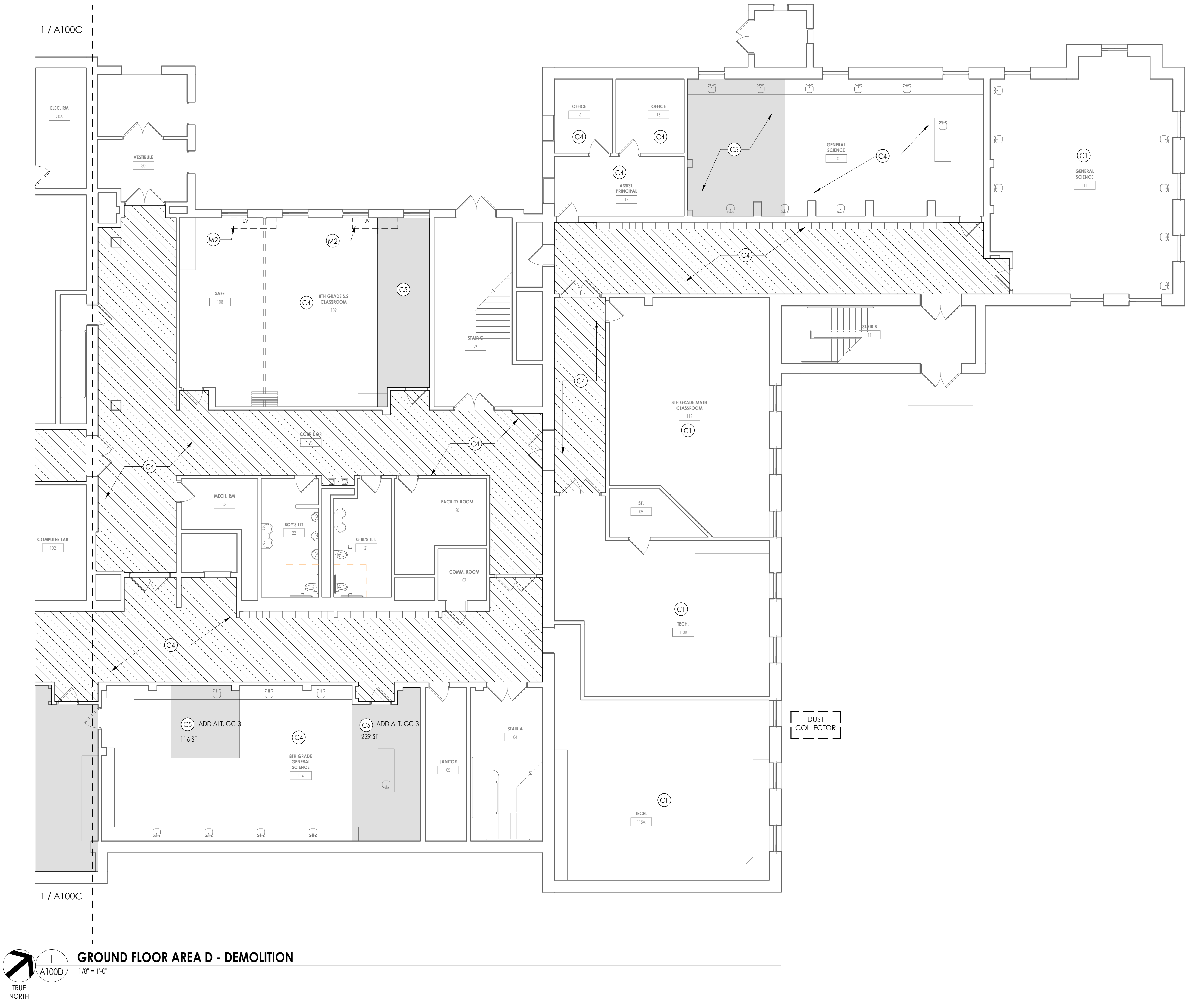
KEYPLAN AREA C  
NTS



1  
A100C  
GROUND FLOOR AREA C - DEMOLITION  
1/8" = 1'-0"



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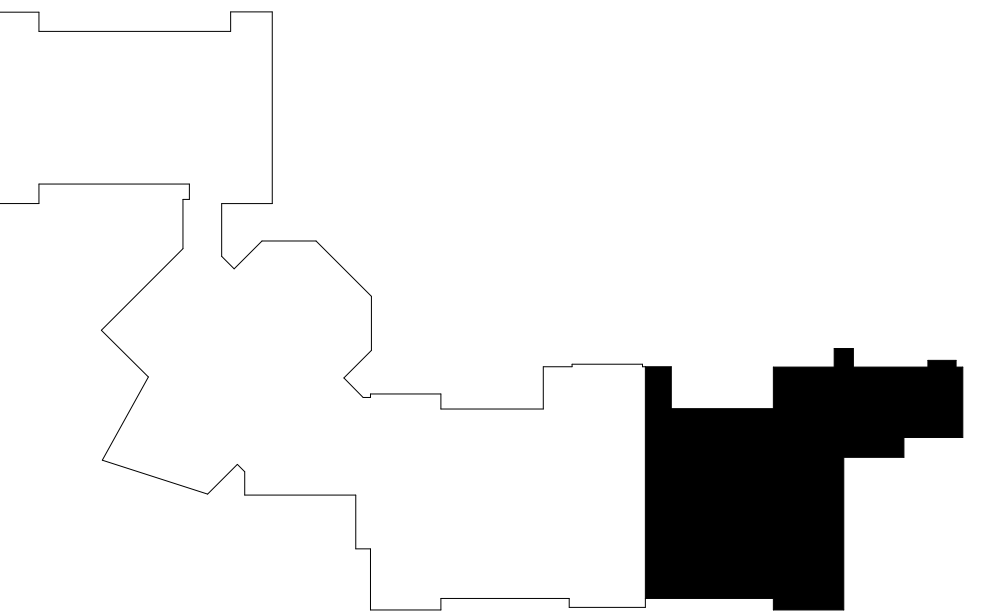


## DEMOLITION GENERAL NOTES

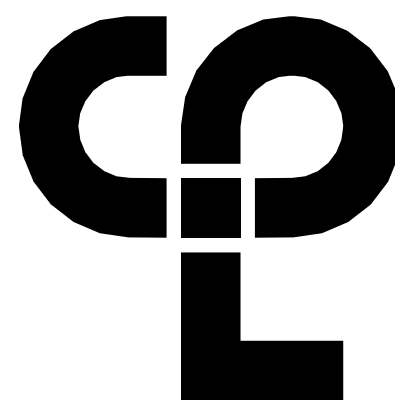
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**KEYPLAN AREA D**  
NTS



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## PROJECT INFORMATION

Project Number  
13940.18  
Client Name  
**NEWBURGH ENLARGED CITY SCHOOL DISTRICT**  
Project Name  
**PHASE 3: HERITAGE MIDDLE SCHOOL 2019 CAPITAL IMPROVEMENT PROJECT**

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GROUND FLOOR AREA D - DEMOLITION PLAN

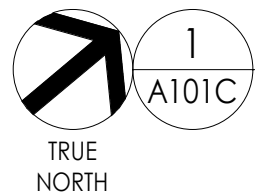
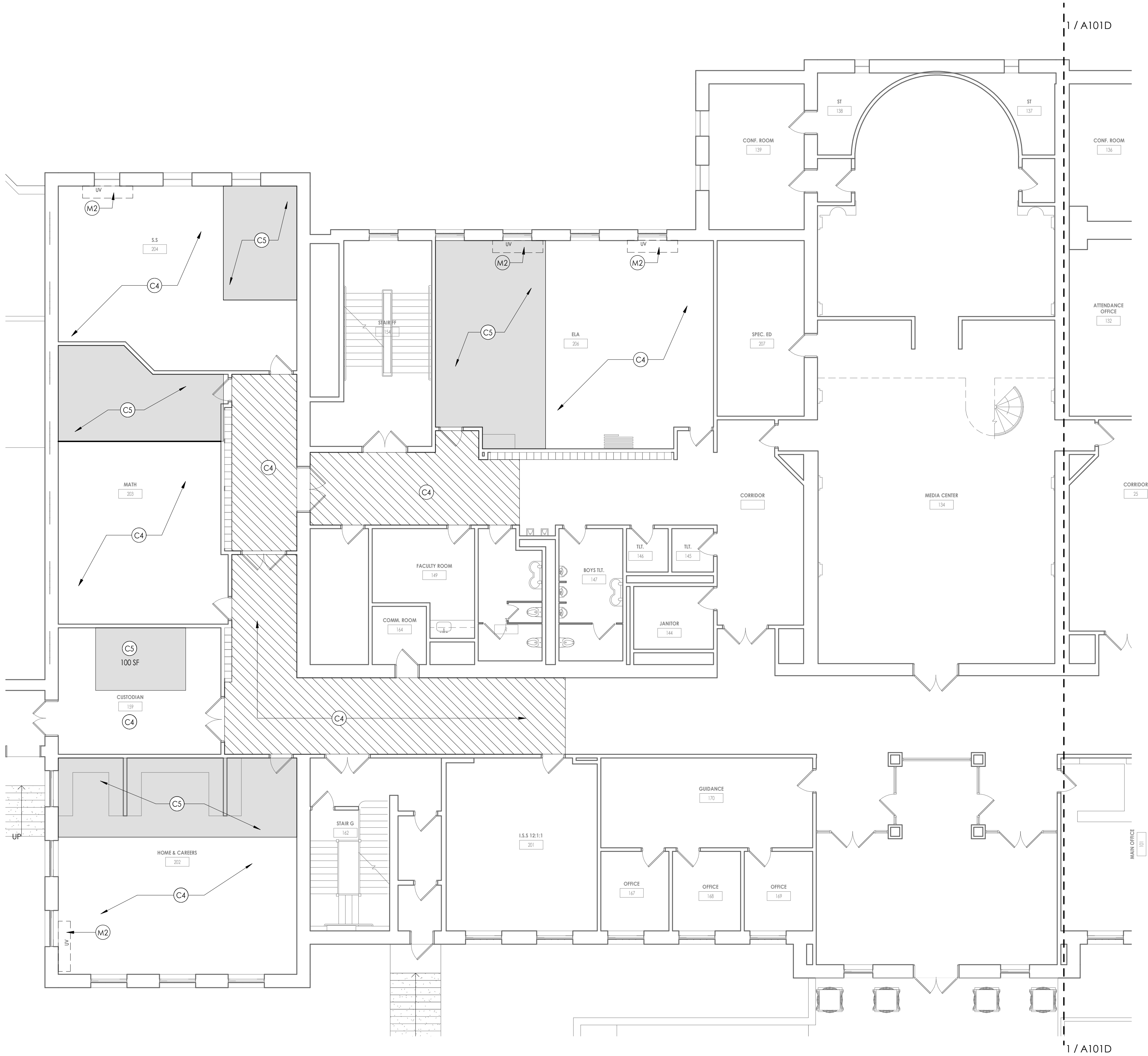
Drawing Number

**HMS**  
**A100D**



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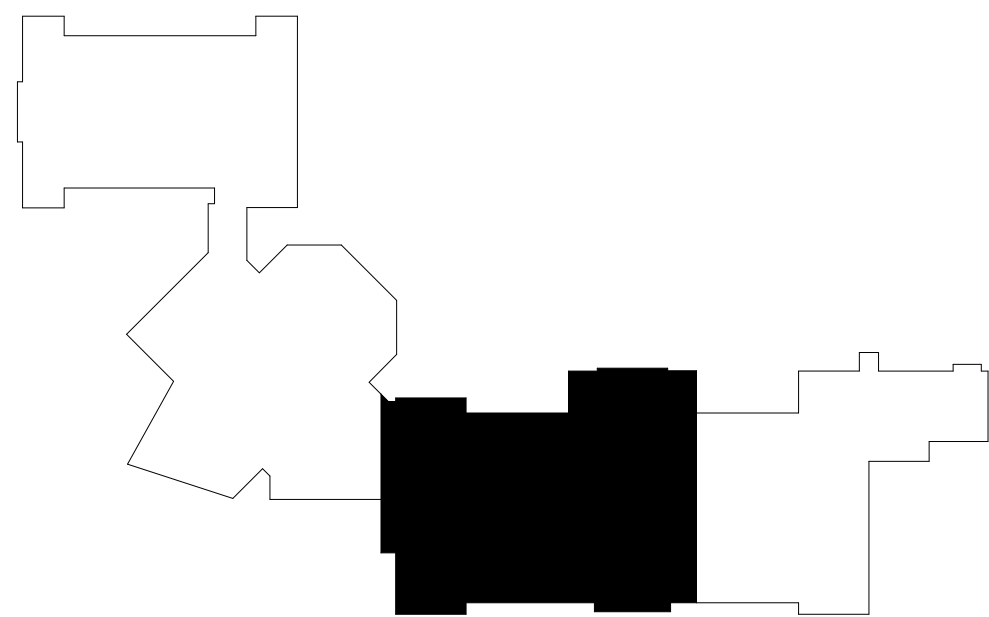
**FIRST FLOOR AREA C - DEMOLITION**  
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## DEMOLITION GENERAL NOTES

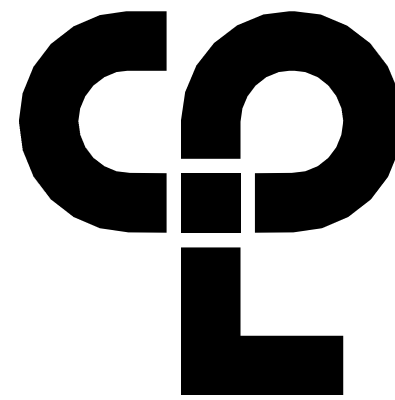
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## SHEET INFORMATION

Issued  
9/9/2021  
Scale  
As indicated  
Project Status  
CONSTRUCTION DOCUMENTS  
Drawn By  
CPL  
Checked By  
CPL  
Drawing Title  
FIRST FLOOR AREA C -  
DEMOLITION PLAN

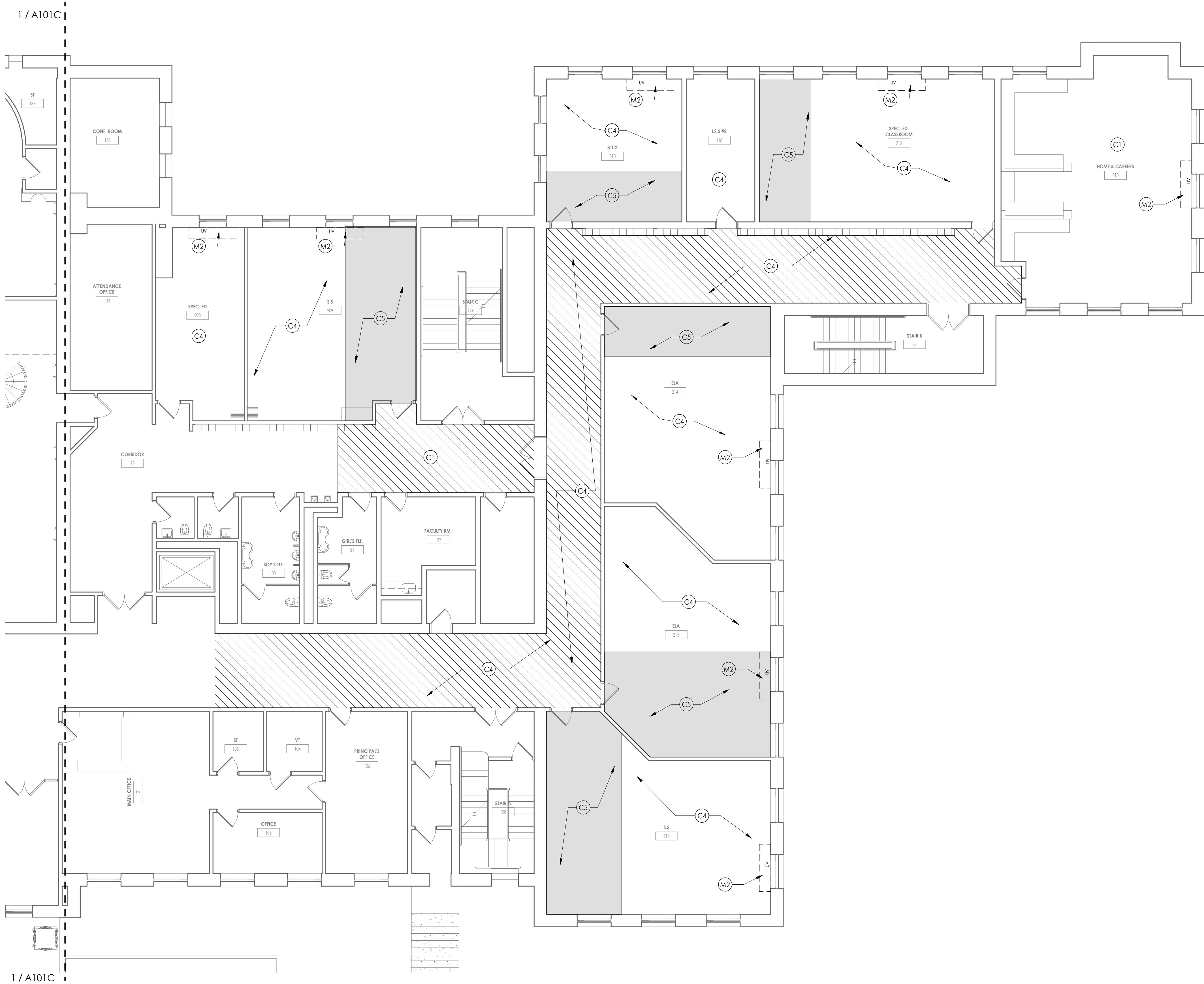
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**HMS  
A101C**



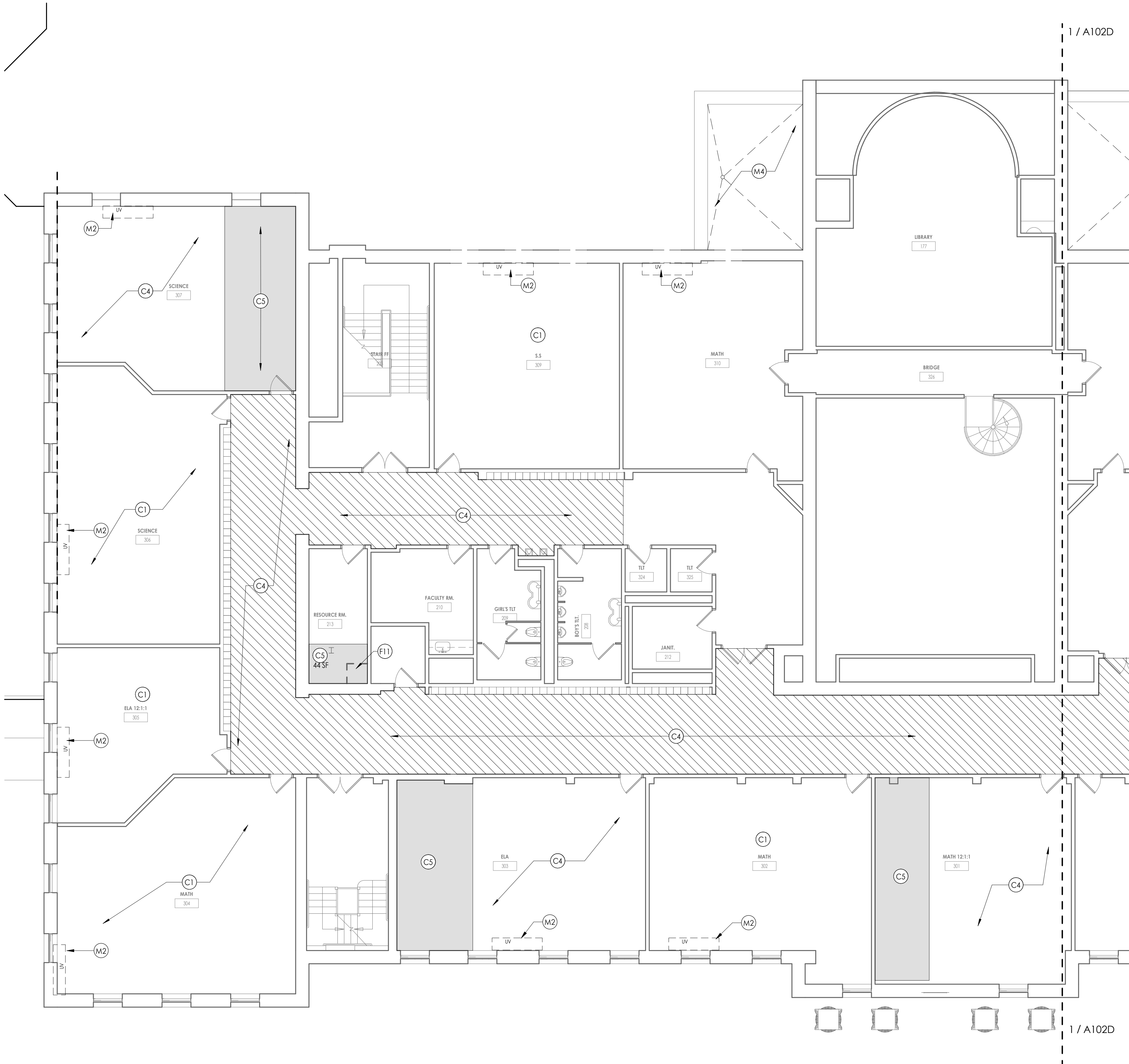
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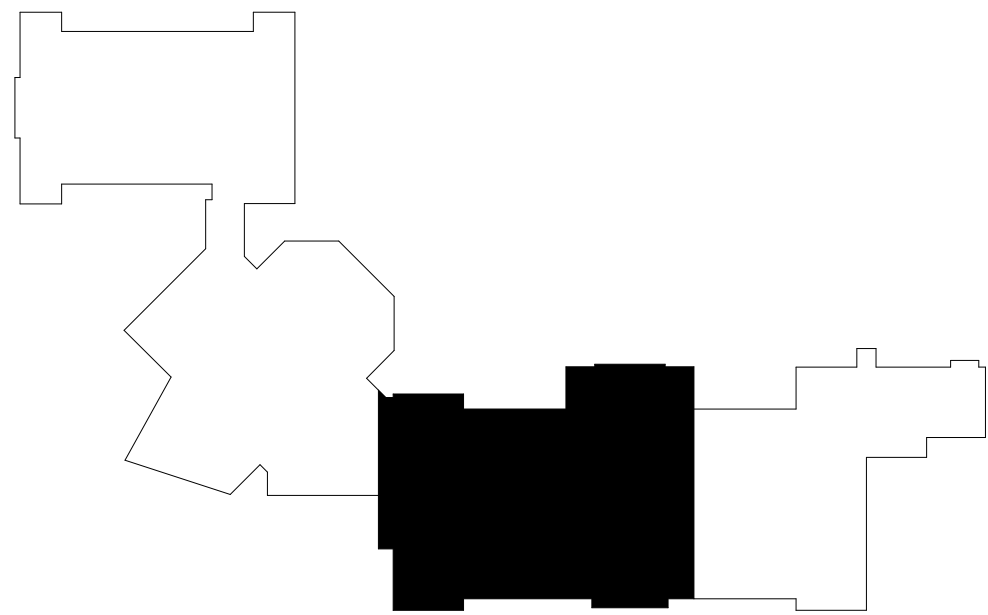
1 SECOND FLOOR AREA C - DEMOLITION  
1/8" = 1'-0"

DEMOLITION GENERAL NOTES

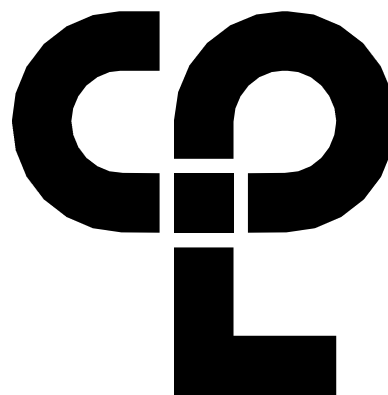
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7. WORK AREAS SHALL BE MAINTAINED AND LEFT BROOM CLEANED AT END OF EACH DAY.
8. EXISTING BUILDING AND STRUCTURE TO REMAIN EXCEPT AS NOTED.

DEMOLITION KEY NOTES

- (C1) REMOVE EXISTING ACOUSTIC CEILING TILES, GRID, AND SUSPENSION SYSTEM IN ITS ENTIRETY FULL EXTENT OF ROOM. PATCH WALLS AFFECTED BY DEMOLITION.
- (C2) REMOVE EXISTING METAL STUD, GYPSUM WALL BOARD SOFFIT AND ALL ASSOCIATED COMPONENTS IN ITS ENTIRETY.
- (C3) REMOVE EXISTING GYPSUM BOARD CEILING AND ALL ASSOCIATED FRAMING IN ITS ENTIRETY.
- (C4) REMOVE AND SALVAGE 24X24 OR 24X48 ACOUSTIC CEILING TILE. STORE PANELS SAFELY FOR REINSTALLATION IN NEW WORK. REFER TO RCPS. EXISTING GRID AND SUSPENSION SYSTEM TO REMAIN.
- (C5) REMOVE PORTION OF EXISTING CEILING TILES, GRID, AND SUSPENSIONS SYSTEM AT SHADED AREAS INDICATED ON DRAWINGS. SALVAGE EXISTING CEILING TILES FOR REINSTALLATION. PATCH WALLS AFFECTED BY DEMOLITION.
- (D1) REMOVE EXISTING HOLLOW METAL DOOR, FRAME, AND ALL ASSOCIATED HARDWARE IN ITS ENTIRETY.
- (F1) REMOVE EXISTING VCT FLOORING, RUBBER BASE, AND ALL ASSOCIATED TRIM IN ITS ENTIRETY FULL EXTENT OF ROOM. PREPARE SUBSTRATE FOR INSTALLATION OF NEW FINISHES.
- (F2) REMOVE EXISTING CONCRETE RAMP, RAILING, AND ALL ASSOCIATED MOUNTING HARDWARE IN ITS ENTIRETY.
- (F3) REMOVE EXISTING CONCRETE STAIR, RAILING, AND ALL ASSOCIATED MOUNTING HARDWARE IN ITS ENTIRETY.
- (F4) REMOVE EXISTING 4" THICK CONCRETE SLAB, FINISHES, AND ALL ASSOCIATED TRIM IN ITS ENTIRETY. EXCAVATE DOWN TO REQUIRED ELEVATION FOR NEW WORK.
- (F5) REMOVE EXISTING SAFETY PADDING. PREPARE SUBTRATE FOR NEW FINISHES.
- (F6) REMOVED DAMAGED STAIR TREAD.
- (F7) SAW CUT AND REMOVE PORTION OF EXISTING SLAB ON GRADE AND EXCAVATE AS REQUIRED FOR NEW WORK. COORDINATE WORK WITH ALL TRADES.
- (F8) REMOVE EXISTING QUARRY TIL AND MUDSETO TO EXTENT SHOWN IN SHADED AREA.
- (F9) REMOVE EXISTING RUBBER BASE. PREPARE SURFACE FOR INSTALLATION OF NEW FINISHES.
- (F10) REMOVE RUBBER STAIR TREAD/ RISER AND ALL ASSOCIATED TRIM. PREPARE SUBSTRATE FOR NEW FINISHES.
- (F11) SAW CUT AND REMOVE EXISTING FLOOR SLAB. PROVIDE OPENING SUPPORT PER STRUCTURAL DWGS.
- (M1) REMOVE EXISTING GYPSUM COLUMN WRAP AND ALL ASSOCIATED COMPONENTS. PREPARE FOR NEW FINISHES
- (M2) MC TO REMOVE EXISTING UNIT VENTILATORS. GC TO PATCH INTAKE OPENING AND FINISHES @ WALL/FLOOR PER DETAIL ON A801.
- (M3) REMOVE EXISTING RAILING.
- (M4) REMOVE EXISTING BALLASTED ROOF SYSTEM DOWN TO DECKING. REMOVE EXISTING FLASHING AS NECESSARY FOR INSTALLATION OF NEW ROOF SYSTEM.
- (M5) PC TO REMOVE EXISTING DRINKING FOUNTAIN. PATCH WALL AFFECTED BY DEMOLITION.
- (M6) REMOVE PAPER TOWEL DISPENSER AND TURN OVER TO OWNER.
- (M7) REMOVE AND SALVAGE FOR RE-INSTALLATION EXISTING STEEL WORK SURFACE.
- (M8) REMOVE AND REINSTALL STAINLESS STEEL TRAY SURFACE AS NECESSARY FOR DEMOLITION.
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- (R1) REMOVE EXISTING EPDM ROOF MEMBRANE, COVER BOARD, ROOF INSULATION, AND SUBSTRATE BOARD REQUIRED TO INSTALL NEW ROOF CURB. COORDINATE ROOF DECK REMOVAL WITH STRUCTURAL DRAWINGS. COORDINATE INSTALLATION OF ROOF CURBS WITH MECHANICAL CONTRACTOR.
- (S1) REMOVE EXISTING COLUMN. REFER TO STRUCTURAL DWGS.
- (W1) REMOVE PORTION OF EXISTING CMU WALL PER DETAIL ON A401. SUPPORT REMAINING EXISTING WALL AS REQUIRED. PREPARE AREA FOR NEW WORK.
- (W2) REMOVE PORTION OF EXISTING WALL AS REQUIRED. PREPARE AREA FOR NEW WORK
- (W3) REMOVE EXISTING ALUMINUM STOREFRONT SYSTEM AND ALL RELATED MOUNTING HARDWARE.
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- (W5) REMOVE EXISTING CHASE WALL IN ITS ENTIRETY. PATCH ALL ADJACENT SURFACES AFFECTED BY DEMOLITION.
- (W6) REMOVE PORTION OF EXISTING 8" CMU WALL. PREPARE ADJACENT SURFACES FOR NEW WORK.



KEYPLAN AREA C  
NTS



CPL | Architecture Engineering Planning  
50 FRONT ST. SUITE 202  
NEWBURGH, NY 12550  
CPLteam.com

PROJECT INFORMATION

Project Number  
13940.18  
Client Name  
NEWBURGH ENLARGED CITY  
SCHOOL DISTRICT  
Project Name  
PHASE 3: HERITAGE MIDDLE  
SCHOOL 2019 CAPITAL  
IMPROVEMENT PROJECT

Project Address  
405 Union Avenue, New Windsor, NY 12553

SED Number  
44-16-00-01-0-039-011

PROJECT ISSUE SCHEDULE

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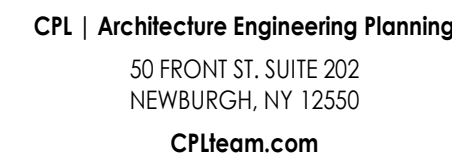
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SECOND FLOOR AREA C -  
DEMOLITION PLAN

Drawing Number

HMS  
A102C





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- C5** REMOVE PORTION OF EXISTING CEILING TILES, GRID, AND SUSPENSIONS SYSTEM AT SHADED AREAS INDICATED ON DRAWINGS. SALVAGE EXISTING CEILING TILES FOR REINSTALLATION. PATCH WALLS AFFECTED BY DEMOLITION.
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Project Number  
13940.18

Client Name  
**NEWBURGH ENLARGED CITY  
SCHOOL DISTRICT**

Project Name  
**PHASE 3: HERITAGE MIDDLE  
SCHOOL 2019 CAPITAL  
IMPROVEMENT PROJECT**

SED Number  
44-16-00-01-0-039-011

No.	Date	Description
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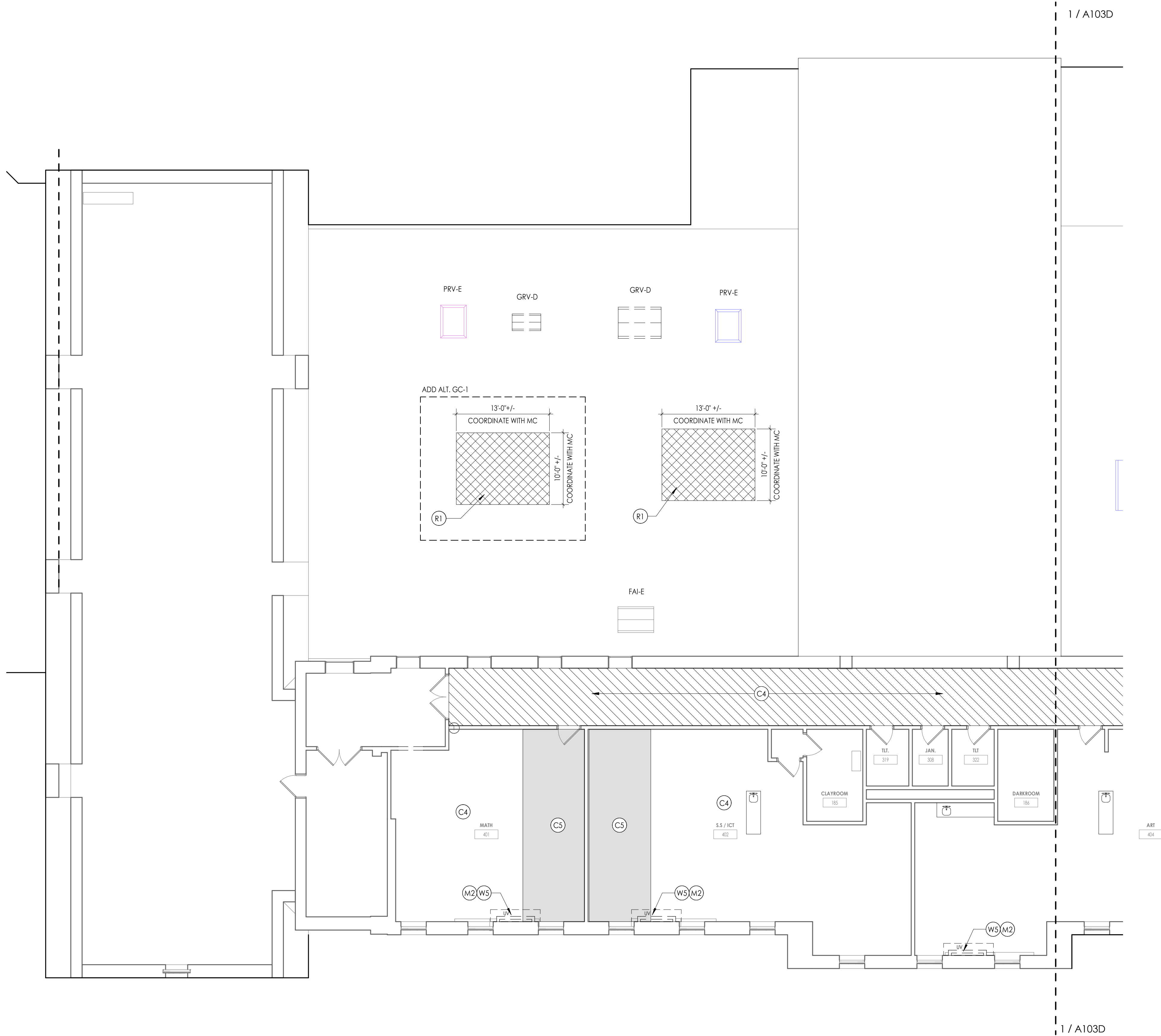
Issued	Scale
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Project Status	
CONSTRUCTION DOCUMENTS	
Drawn By	Checked By
CPL	CPL
Drawing Title	
SECOND FLOOR AREA D - DEMOLITION PLAN	

Drawing Number

HMS  
A102D



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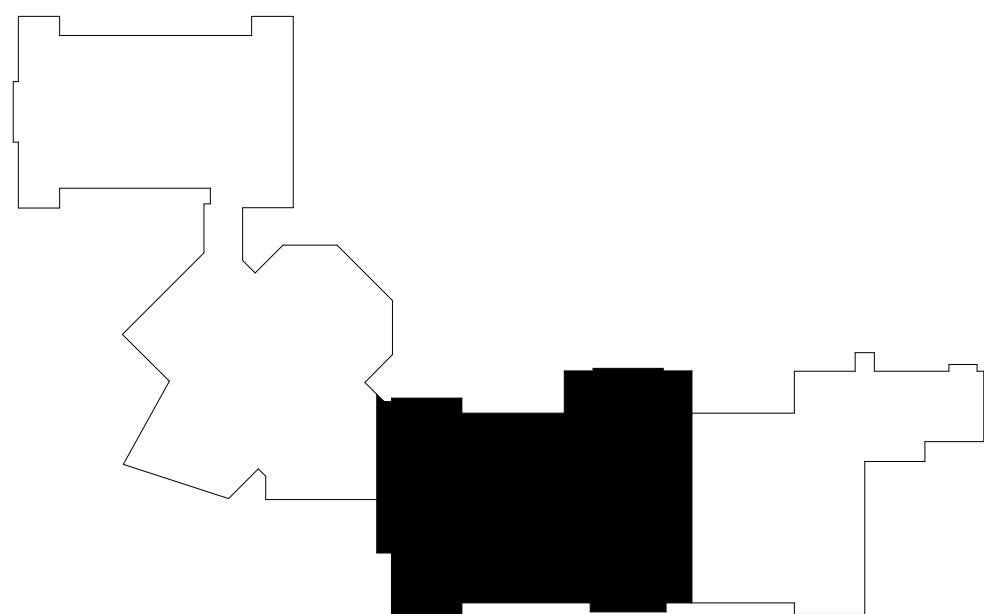
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A103C  
THIRD FLOOR AREA C - DEMOLITION  
1/8" = 1'-0"

DEMOLITION GENERAL NOTES

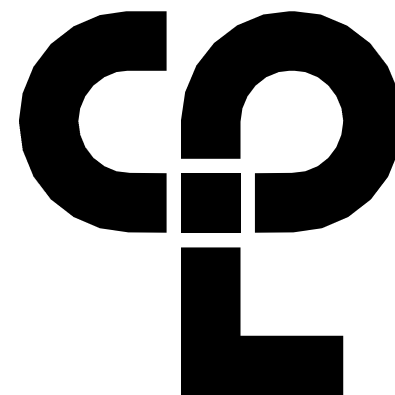
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7  
NTS  
KEYPLAN AREA C



CPL | Architecture Engineering Planning  
50 FRONT ST. SUITE 202  
NEWBURGH, NY 12550  
CPLteam.com

PROJECT INFORMATION

Project Number  
13940.18  
Client Name  
NEWBURGH ENLARGED CITY  
SCHOOL DISTRICT  
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PHASE 3: HERITAGE MIDDLE  
SCHOOL 2019 CAPITAL  
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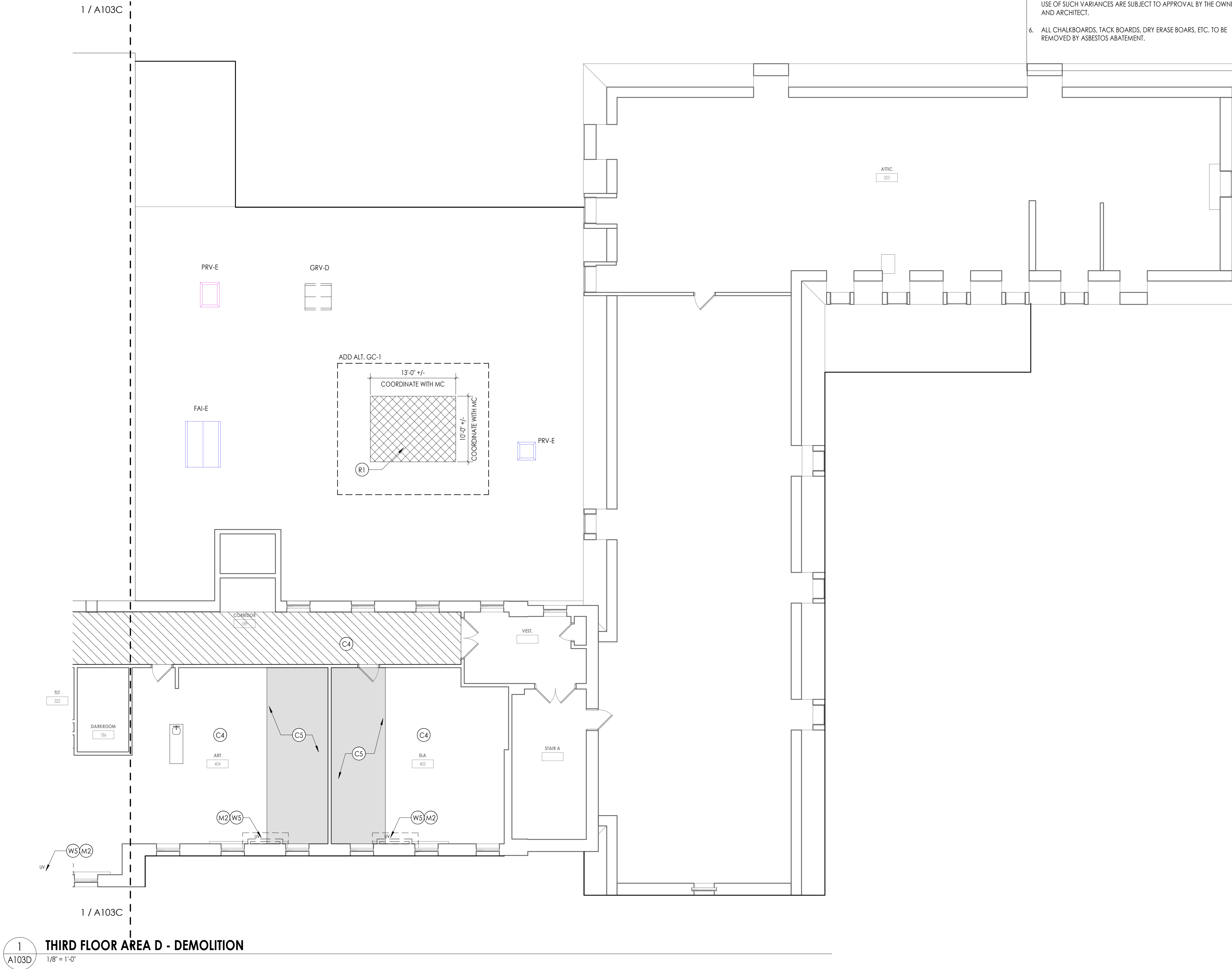
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THIRD FLOOR AREA C -  
DEMOLITION PLAN

Drawing Number

HMS  
A103C



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### ASBESTOS ABATEMENT GENERAL NOTES

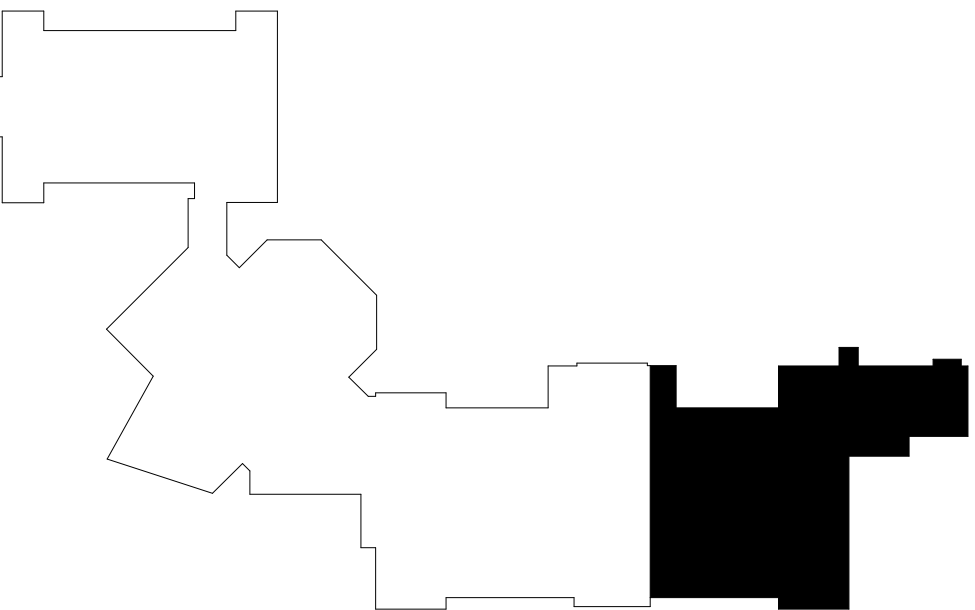
- ALL DRAWINGS ARE A GRAPHIC REPRESENTATION OF APPROXIMATE LOCATIONS OF MATERIALS TO BE ABATED. IF THERE ARE ANY DISCREPANCIES WITH WHAT EXISTS TO WHAT IS INDICATED ON THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL REPORT SAID DISCREPANCIES TO THE ARCHITECT PRIOR TO SUBMITTING A BID. THE INTENT OF THIS PROJECT IS TO COMPLETELY REMOVE ASBESTOS CONTAINING MATERIALS INDICATED AND TO PROVIDE A CLEAN ACM FREE WORK AREA POST ABATEMENT.
- ALL ABATEMENT PROCEDURES TO BE IN ACCORDANCE WITH STANDARDS SET FORTH BY NEW YORK STATE DEPARTMENT OF LABOR INDUSTRIAL CODE RULE S6 AND ALL APPLICABLE REGULATIONS.
- THE CONTRACTOR SHALL PATCH TO MATCH ANY DISTURBED AREAS AND FINISHES AS A RESULT OF THEIR ABATEMENT WORK. ANY DAMAGE SHALL BE REPAIRED TO THE OWNER'S AND ARCHITECT'S SATISFACTION AT NO ADDITIONAL COST TO THE OWNER.
- THE CONTRACTOR SHALL COORDINATE THE LOCATION OF THE ASBESTOS DUMPSTER WITH THE OWNER.
- THE CONTRACTOR MAY APPLY FOR PROJECT SPECIFIC VARIANCES. USE OF SUCH VARIANCES ARE SUBJECT TO APPROVAL BY THE OWNER AND ARCHITECT.
- ALL CHALKBOARDS, TACK BOARDS, DRY ERASE BOARDS, ETC. TO BE REMOVED BY ASBESTOS ABATEMENT.

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- GC IS TO PROVIDE DUST CONTROL BARRIERS AT ALL AREAS OF CONSTRUCTION.
- GC WILL SALVAGE ANY ITEMS PER OWNERS LIST (TBD).
- PC = PLUMBING CONTRACTOR, EC = ELECTRICAL CONTRACTOR, MC = MECHANICAL CONTRACTOR
- PATCH WALLS, FLOORS AND CEILINGS AT ALL WALL REMOVALS, TO MATCH SCHEDULED FINISHES
- WORK AREAS SHALL BE MAINTAINED AND LEFT BROOM CLEANED AT END OF EACH DAY.
- EXISTING BUILDING AND STRUCTURE TO REMAIN EXCEPT AS NOTED.

### DEMOLITION KEY NOTES

- (C1) REMOVE EXISTING ACOUSTIC CEILING TILES, GRID, AND SUSPENSION SYSTEM IN ITS ENTIRETY FULL EXTENT OF ROOM. PATCH WALLS AFFECTED BY DEMOLITION.
- (C2) REMOVE EXISTING METAL STUD, GYPSUM WALL BOARD SOFFIT AND ALL ASSOCIATED COMPONENTS IN ITS ENTIRETY.
- (C3) REMOVE EXISTING GYPSUM BOARD CEILING AND ALL ASSOCIATED FRAMING IN ITS ENTIRETY.
- (C4) REMOVE AND SALVAGE 24X24 OR 24X48 ACOUSTIC CEILING TILE. STORE PANELS SAFELY FOR REINSTALLATION IN NEW WORK. REFER TO RCPS. EXISTING GRID AND SUSPENSION SYSTEM TO REMAIN.
- (C5) REMOVE PORTION OF EXISTING CEILING TILES, GRID, AND SUSPENSIONS SYSTEM AT SHADED AREAS INDICATED ON DRAWINGS. SALVAGE EXISTING CEILING TILES FOR REINSTALLATION. PATCH WALLS AFFECTED BY DEMOLITION.
- (D1) REMOVE EXISTING HOLLOW METAL DOOR, FRAME, AND ALL ASSOCIATED HARDWARE IN ITS ENTIRETY.
- (F1) REMOVE EXISTING VCT FLOORING, RUBBER BASE, AND ALL ASSOCIATED TRIM IN ITS ENTIRETY FULL EXTENT OF ROOM. PREPARE SUBSTRATE FOR INSTALLATION OF NEW FINISHES.
- (F2) REMOVE EXISTING CONCRETE RAMP, RAILING, AND ALL ASSOCIATED MOUNTING HARDWARE IN ITS ENTIRETY.
- (F3) REMOVE EXISTING CONCRETE STAIR, RAILING, AND ALL ASSOCIATED MOUNTING HARDWARE IN ITS ENTIRETY.
- (F4) REMOVE EXISTING 4" THICK CONCRETE SLAB, FINISHES, AND ALL ASSOCIATED TRIM IN ITS ENTIRETY. EXCAVATE DOWN TO REQUIRED ELEVATION FOR NEW WORK.
- (F5) REMOVE EXISTING SAFETY PADDING. PREPARE SUBTRATE FOR NEW FINISHES.
- (F6) REMOVED DAMAGED STAIR TREAD.
- (F7) SAW CUT AND REMOVE PORTION OF EXISTING SLAB ON GRADE AND EXCAVATE AS REQUIRED FOR NEW WORK. COORDINATE WORK WITH ALL TRADES.
- (F8) REMOVE EXISTING QUARRY TIL AND MUDESET TO EXTENT SHOWN IN SHADED AREA.
- (F9) REMOVE EXISTING RUBBER BASE. PREPARE SURFACE FOR INSTALLATION OF NEW FINISHES.
- (F10) REMOVE RUBBER STAIR TREAD/RISER AND ALL ASSOCIATED TRIM. PREPARE SUBSTRATE FOR NEW FINISHES.
- (F11) SAW CUT AND REMOVE EXISTING FLOOR SLAB. PROVIDE OPENING SUPPORT PER STRUCTURAL DWGS.
- (M1) REMOVE EXISTING GYPSUM COLUMN WRAP AND ALL ASSOCIATED COMPONENTS. PREPARE FOR NEW FINISHES
- (M2) MC TO REMOVE EXISTING UNIT VENTILATORS. GC TO PATCH INTAKE OPENING AND FINISHES @ WALL/FLOOR PER DETAIL ON A801.
- (M3) REMOVE EXISTING RAILING.
- (M4) REMOVE EXISTING BALLASTED ROOF SYSTEM DOWN TO DECKING. REMOVE EXISTING FLASHING AS NECESSARY FOR INSTALLATION OF NEW ROOF SYSTEM.
- (M5) PC TO REMOVE EXISTING DRINKING FOUNTAIN. PATCH WALL AFFECTED BY DEMOLITION.
- (M6) REMOVE PAPER TOWEL DISPENSER AND TURN OVER TO OWNER.
- (M7) REMOVE AND SALVAGE FOR RE-INSTALLATION EXISTING STEEL WORK SURFACE.
- (M8) REMOVE AND REINSTALL STAINLESS STEEL TRAY SURFACE AS NECESSARY FOR DEMOLITION.
- (M9) REMOVE FLOOR MOUNTED SLEEVES. PATCH HOLE IN CONCRETE FLOOR.
- (M10) MC TO REMOVE EXISTING UNIT VENTILATORS. GC TO MODIFY CASEWORK AS NEEDED TO FACILITATE INSTALLATION OF NEW UNIT.
- (R1) REMOVE EXISTING EPDM ROOF MEMBRANE, COVER BOARD, ROOF INSULATION, AND SUBSTRATE BOARD REQUIRED TO INSTALL NEW ROOF CURB. COORDINATE ROOF DECK REMOVAL WITH STRUCTURAL DRAWINGS. COORDINATE INSTALLATION OF ROOF CURBS WITH MECHANICAL CONTRACTOR.
- (S1) REMOVE EXISTING COLUMN. REFER TO STRUCTURAL DWGS.
- (W1) REMOVE PORTION OF EXISTING CMU WALL PER DETAIL ON A401. SUPPORT REMAINING EXISTING WALL AS REQUIRED. PREPARE AREA FOR NEW WORK.
- (W2) REMOVE PORTION OF EXISTING WALL AS REQUIRED. PREPARE AREA FOR NEW WORK
- (W3) REMOVE EXISTING ALUMINUM STOREFRONT SYSTEM AND ALL RELATED MOUNTING HARDWARE.
- (W4) REMOVE EXISTING 6" CMU WALL IN ITS ENTIRETY. PATCH AND PREP. FOR NEW WORK.
- (W5) REMOVE EXISTING CHASE WALL IN ITS ENTIRETY. PATCH ALL ADJACENT SURFACES AFFECTED BY DEMOLITION.
- (W6) REMOVE PORTION OF EXISTING 8" CMU WALL. PREPARE ADJACENT SURFACES FOR NEW WORK.



**KEYPLAN AREA D**  
NTS

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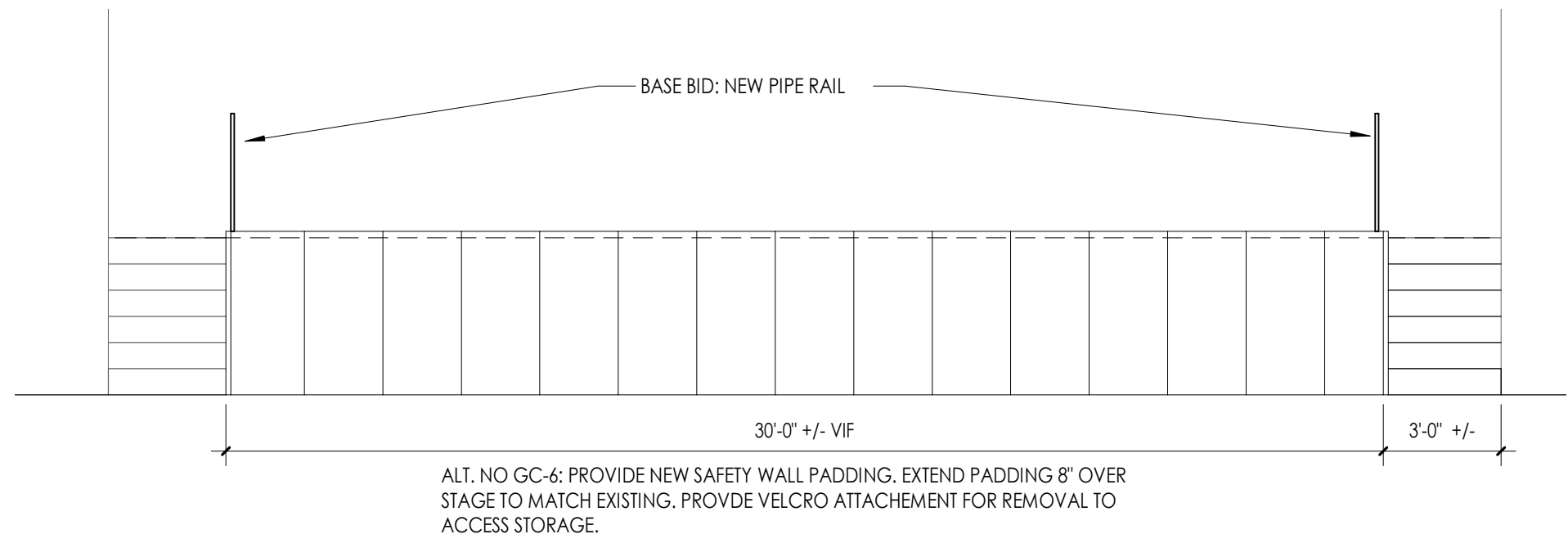
**PROJECT INFORMATION**  
Project Number  
13940.18  
Client Name  
**NEWBURGH ENLARGED CITY SCHOOL DISTRICT**  
Project Name  
**PHASE 3: HERITAGE MIDDLE SCHOOL 2019 CAPITAL IMPROVEMENT PROJECT**  
Project Address  
405 Union Avenue, New Windsor, NY 12553  
SED Number  
44-16-00-01-0-039-011  
**PROJECT ISSUE SCHEDULE**  
No. Date Description

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**SHEET INFORMATION**  
Issued  
9/9/2021  
Scale  
As indicated  
Project Status  
CONSTRUCTION DOCUMENTS  
Drawn By  
CPL  
Checked By  
CPL  
Drawing Title  
THIRD FLOOR AREA D - DEMOLITION PLAN

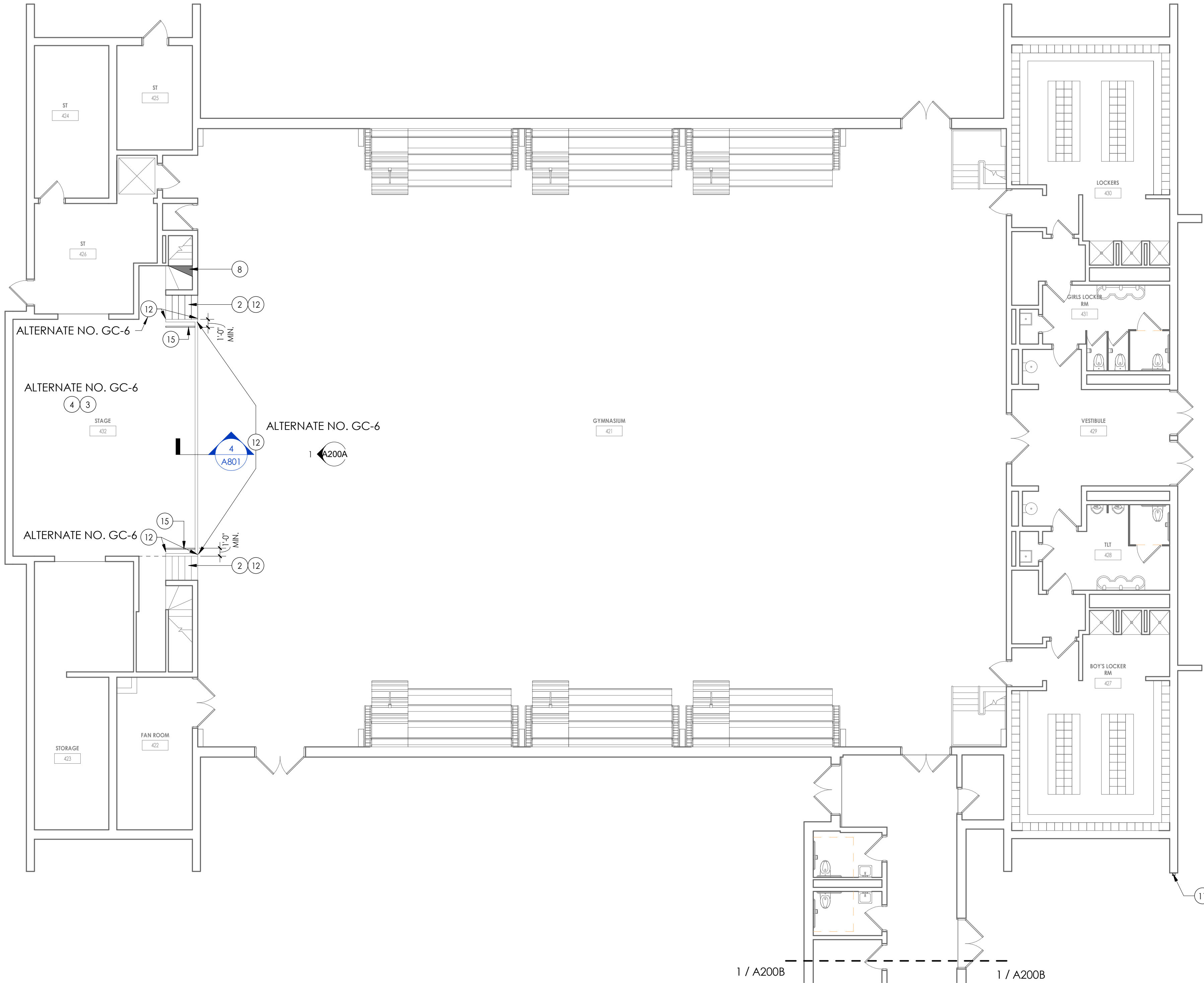
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**A103D**





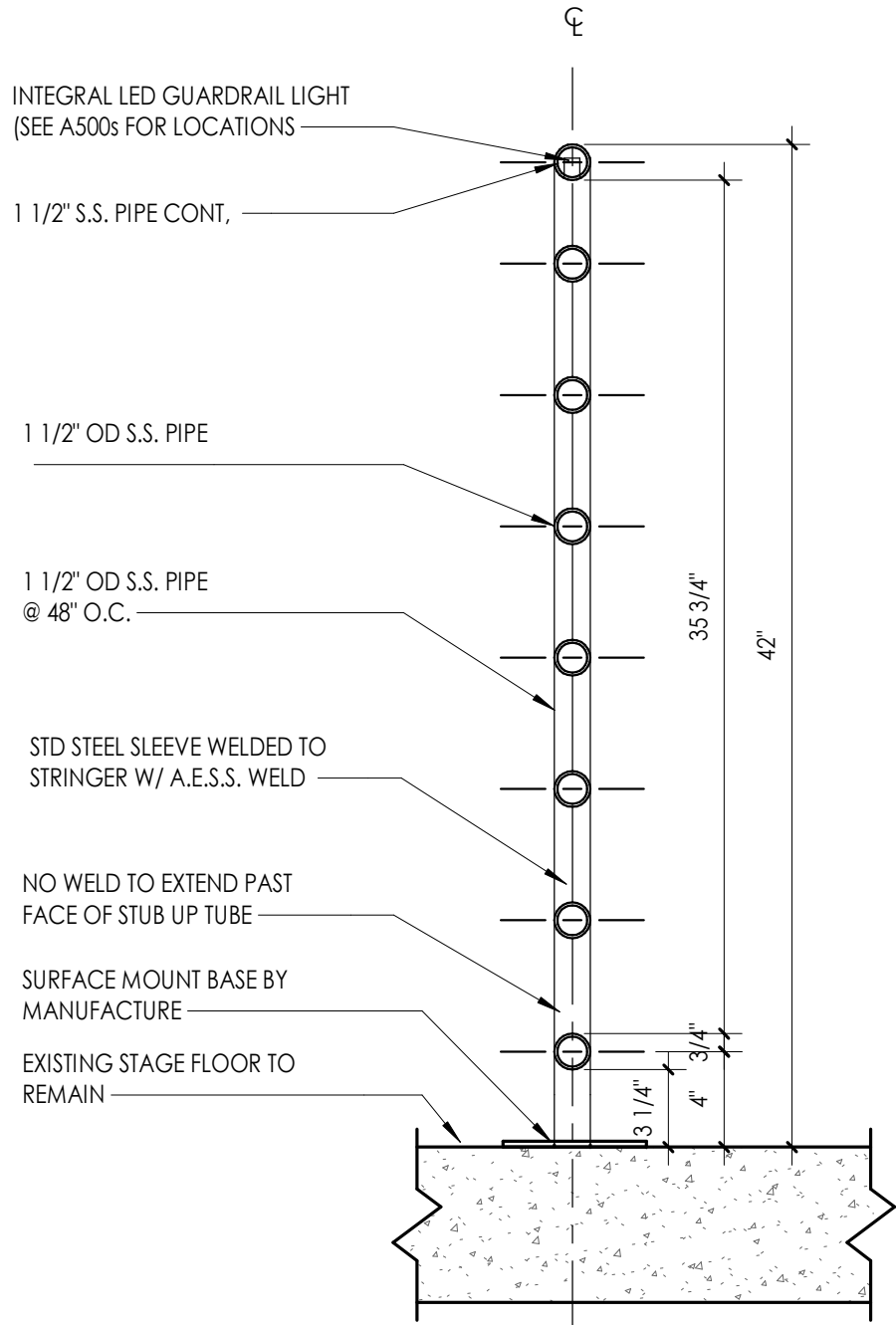
1  
A200A  
1/4" = 1'-0"

**GYM STAGE INTERIOR ELEVATION**



2  
A200A  
1/8" = 1'-0"

**GROUND FLOOR AREA A - NEW WORK**



3  
A200A  
1 1/2" = 1'-0"

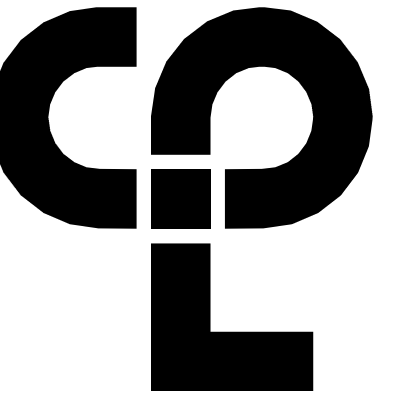
**HANDRAIL INTO CONCRETE**

**FLOOR PLAN GENERAL NOTES**

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

**FLOOR PLAN KEY NOTES**

- PATCH TO MATCH FLOOR AT MECHANICAL EQUIPMENT REMOVAL WHERE INDICATED BY HATCH. PROVIDE NEW FINISHED END PANELS AT CASEWORK AFFECTED BY UV REMOVALS. MATCH EXISTING FINISH AND COLOR
- NEW RUBBER STAIR RISERS AND TREADS. REFER TO INTERIOR DRAWINGS.
- ALTERNATE - PROVIDE NEW WOOD FLOORING AT EXISTING STAGE AREA. REFER TO INTERIOR DRAWINGS FOR FLOOR FINISH.
- NEW LIGHTING, SOUND AND STAGE RIGGING. COORDINATE WORK WITH EC. REFER TO TL TR TS SERIES.
- PROVIDE NEW COLUMN WRAP. REFERENCE DETAIL ON A800.
- PROVIDE NEW CEILING HUNG OPERABLE PARTITION.
- PATCH EXISTING WALL. COORDINATE WORK WITH M.C. REFER TO A801 FOR DETAILS. GC TO PAINT SURFACE CORNER TO CORNER AND FLOOR TO CEILING TO MATCH EXISTING COLOR.
- PROVIDE NEW WOOD STAIR TREAD TO MATCH EXISTING. REPAIR ANY MOUNTING COMPONENTS AS NECESSARY.
- NEW DRINKING FOUNTAIN. COORDINATE WORK WITH PLUMBING CONTRACTOR.
- PATCH CONCRETE S.O.G. TO MATCH EXISTING.
- PROVIDE NEW DOWNSPOUT. COORDINATE WORK WITH CIVIL DRAWINGS.
- PROVIDE NEW SAFETY WALL PADDING. PROVIDE FASTENING SYSTEM TO ENSURE TEMPORARY REMOVAL AND REINSTALLATION.
- PATCH TO MATCH EXISTING WALL, BASE, FLOOR AND CEILING FINISHES IN AREAS AFFECTED BY DEMOLITION AND/OR NEW CONSTRUCTION.
- LAMINATE 5/8" GYPSUM BOARD OVER CMU WALL.
- NEW PIPE RAIL. REFER TO DETAIL 3/200A



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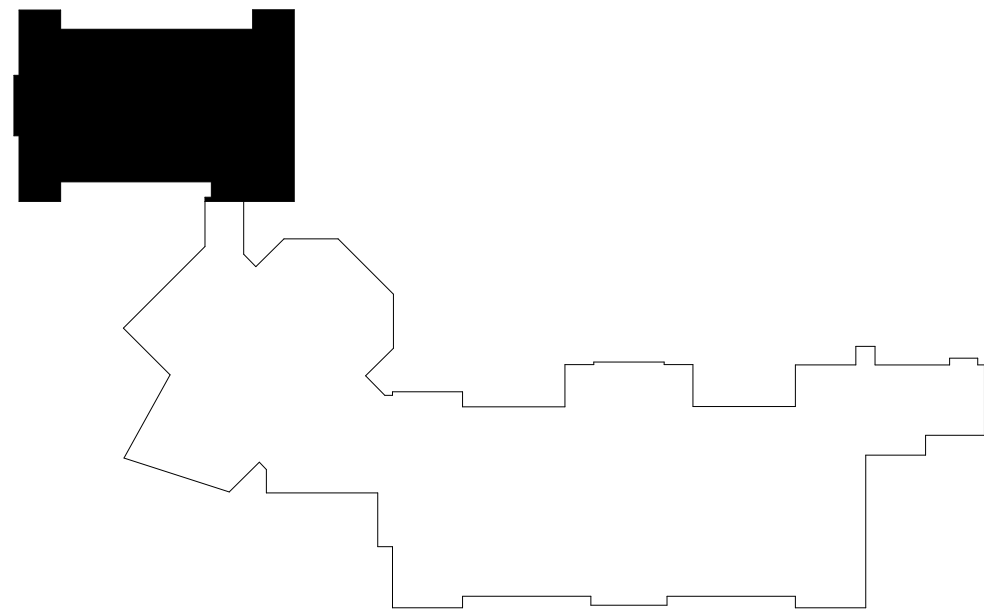
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Drawn By  
CPL  
Checked By  
CPL  
Drawing Title  
GROUND FLOOR AREA A - NEW  
WORK PLAN

Drawing Number  
HMS  
A200A



KEYPLAN AREA A  
NTS

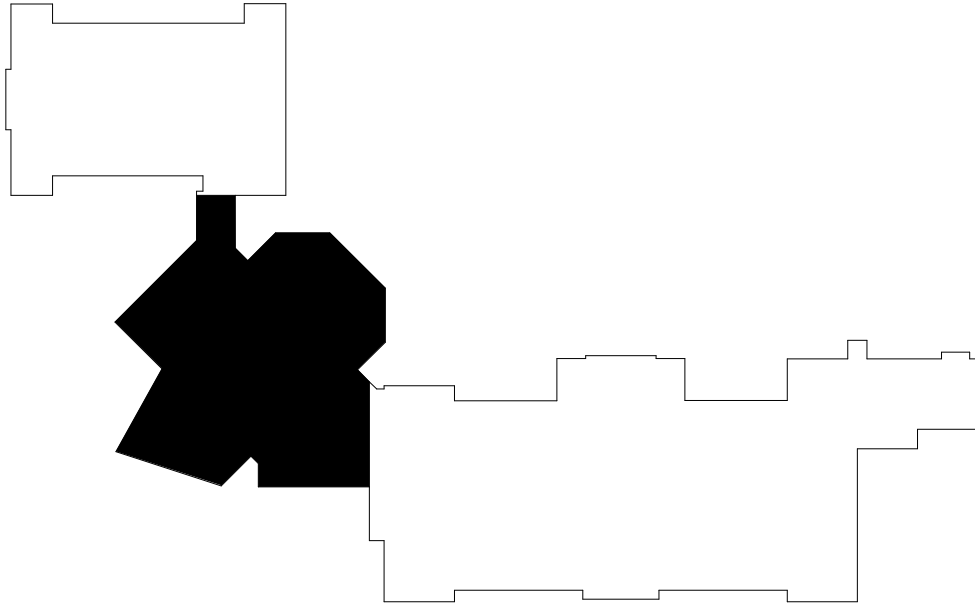


FLOOR PLAN GENERAL NOTES

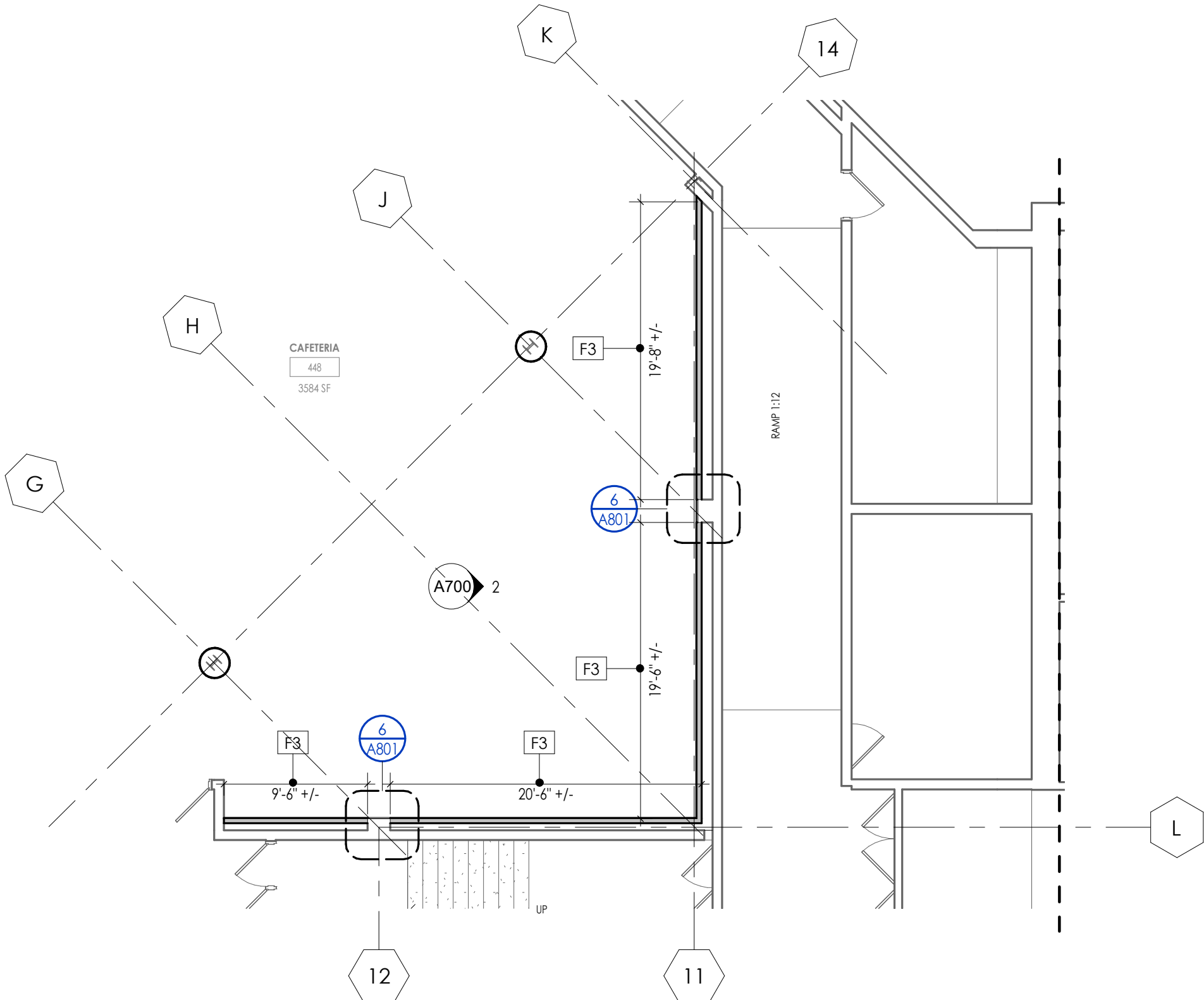
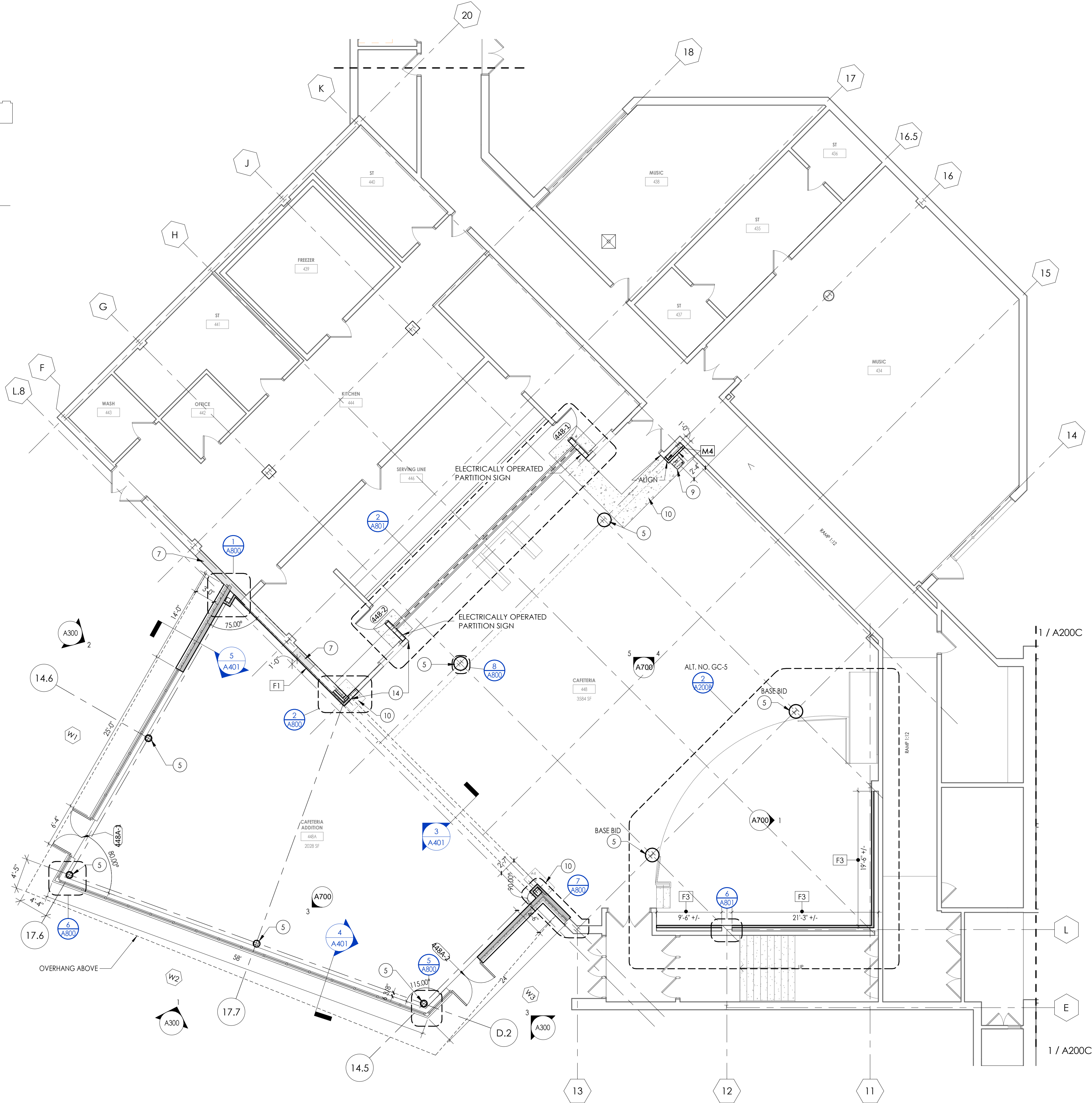
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- ALL WALL DIMENSIONS INDICATED ON FLOOR PLANS ARE TO FACE OF STUD FRAMING OR MASONRY UNLESS OTHERWISE NOTED.
- SEE SHEET A400 FOR INTERIOR PARTITION TYPES
- SEE A900s FOR INTERIOR AND EXTERIOR DOORS, WINDOWS, CURTAINWALLS, AND STOREFRONTS
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- CONTRACTOR TO COORDINATE WITH OTHER TRADES FOR SEQUENCING OF WORK.
- REFER TO A700 FOR TYPICAL FIXTURE MOUNTING HEIGHTS AND ACCESSORIES LEGEND.

FLOOR PLAN KEY NOTES

- PATCH TO MATCH FLOOR AT MECHANICAL EQUIPMENT REMOVAL WHERE INDICATED BY HATCH. PROVIDE NEW FINISHED END PANELS AT CASEWORK AFFECTED BY UV REMOVALS. MATCH EXISTING FINISH AND COLOR
- NEW RUBBER STAIR RISERS AND TREADS. REFER TO INTERIOR DRAWINGS.
- ALTERNATE - PROVIDE NEW WOOD FLOORING AT EXISTING STAGE AREA. REFER TO INTERIOR DRAWINGS FOR FLOOR FINISH.
- NEW LIGHTING, SOUND AND STAGE RIGGING. COORDINATE WORK WITH EC. REFER TO TL, TR, TS SERIES.
- PROVIDE NEW COLUMN WRAP. REFERENCE DETAIL ON A800.
- PROVIDE NEW CEILING HUNG OPERABLE PARTITION.
- PATCH EXISTING WALL, COORDINATE WORK WITH MC. REFER TO A801 FOR DETAILS. GC TO PAINT SURFACE CORNER TO CORNER AND FLOOR TO CEILING TO MATCH EXISTING COLOR.
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- LAMINATE 5/8" GYPSUM BOARD OVER CMU WALL.
- NEW PIPE RAIL. REFER TO DETAIL 3/200A

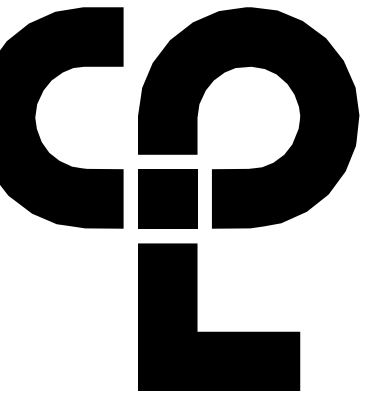


KEYPLAN AREA B  
NTS



2 GROUND FLOOR AREA B - NEW WORK ALTERNATE NO. GC-5  
A200B 1/8" = 1'-0"

1 GROUND FLOOR AREA B - NEW WORK BASE BID  
A200B 1/8" = 1'-0"



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PROJECT INFORMATION

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PHASE 3: HERITAGE MIDDLE  
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As indicated

Project Status  
CONSTRUCTION DOCUMENTS

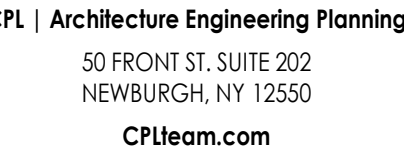
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GROUND FLOOR AREA B - NEW  
WORK PLAN

Drawing Number

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1. ALL DRAWINGS ARE GRAPHIC REPRESENTATIONS OF APPROXIMATE LOCATIONS OF NEW MATERIALS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF WORK.
2. THE GENERAL CONTRACTOR IS RESPONSIBLE TO FIRESTOP ALL NEW PARTITIONS TO THE STRUCTURAL DECK ABOVE. FIRESTOPPING HEADS OF WALLS IS TO OCCUR AT ALL NEW WALL CONSTRUCTION WITHIN THE PROJECT.
3. ALL WALL DIVISIONS INDICATED ON FLOOR PLANS ARE TO FACE OF STUD FRAMING OR MASONRY UNLESS OTHERWISE NOTED.
4. SEE SHEET 4400 FOR INTERIOR PARTITION TYPES.
5. SEE 4900G FOR INTERIOR AND EXTERIOR DOORS, WINDOWS, CURTAIN WALLS, AND STOREFRONTS
6. PROVIDE AN EDGE/TRANSITION STRIP CENTERED UNDER ALL DOORS WHERE ADJACENT FLOOR FINISHES ARE OF DIFFERENT MATERIALS.
7. PROVIDE ACCESS PANELS, MINIMUM 24" x 24" OR OF SIZES REQUIRED, WHERE PLUMBING AND HEATING VENTS, WATER SWEETS, VENTILATION SPLITTER DAMPERS, ETC. ARE LOCATED.
8. WORK AREAS SHALL BE MAINTAINED AND ALL WORK AREAS SHALL BE LEFT BROOMED CLEAN AT END OF EACH DAY.
9. ALL DOORS AND WINDOW SYSTEMS TO HAVE SEALANT AROUND THE ENTIRE PERIMETER (BOTH SIDES) OF FRAMES.
10. CONTRACTOR TO COORDINATE WITH OTHER TRADES FOR SEQUENCING OF WORK.
11. REFER TO 4700 FOR TYPICAL FIXTURE MOUNTING HEIGHTS AND ACCESSORIES LEGEND.

- 1 PATCH TO MATCH FLOOR AT MECHANICAL EQUIPMENT REMOVAL WHERE INDICATED BY HATCH. PROVIDE NEW FINISHED END PANELS AT CASEWORK AFFECTED BY UV REMOVALS. MATCH EXISTING FINISH AND COLOR
- 2 NEW RUBBER STAIR RISERS AND TREADS. REFER TO INTERIOR DRAWINGS.
- 3 ALTERNATE - PROVIDE NEW WOOD FLOORING AT EXISTING STAGE AREA. REFER TO INTERIOR DRAWINGS FOR FLOOR FINISH.
- 4 NEW LIGHTING, SOUND AND STAGE RIGGING. COORDINATE WORK WITH EC. REFER TO TL, TR, TS SERIES.
- 5 PROVIDE NEW COLUMN WRAP. REFERENCE DETAIL ON A800.
- 6 PROVIDE NEW CEILING HUNG OPERABLE PARTITION.
- 7 PATCH EXISTING WALL. COORDINATE WORK WITH MC. REFER TO A801 FOR DETAILS. GC TO PAINT SURFACE CORNER TO CORNER AND FLOOR TO CEILING TO MATCH EXISTING COLOR.
- 8 PROVIDE NEW WOOD STAIR TREAD TO MATCH EXISTING. REPAIR ANY MOUNTING COMPONENTS AS NECESSARY.
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- 10 PATCH CONCRETE S.O.G. TO MATCH EXISTING.
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- 14 LAMINATE 5/8" GYPSUM BOARD OVER CMU WALL.
- 15 NEW PIPE RAIL. REFER TO DETAIL 3/200A

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Print Name

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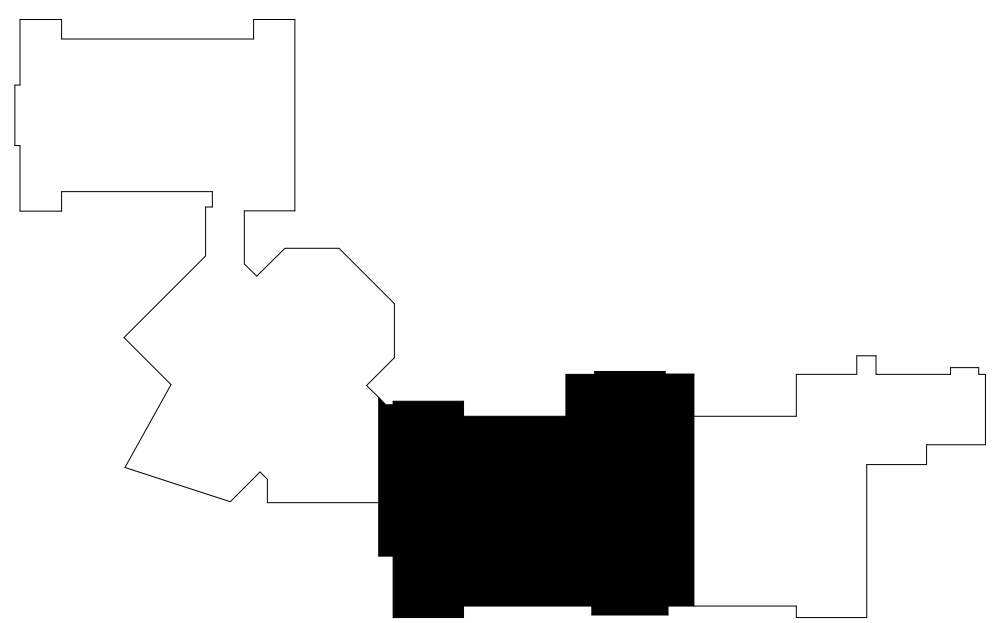
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A200C

**GROUND FLOOR AREA C - NEW WORK**

1/8" = 1'-0"



## KEYPLAN AREA C

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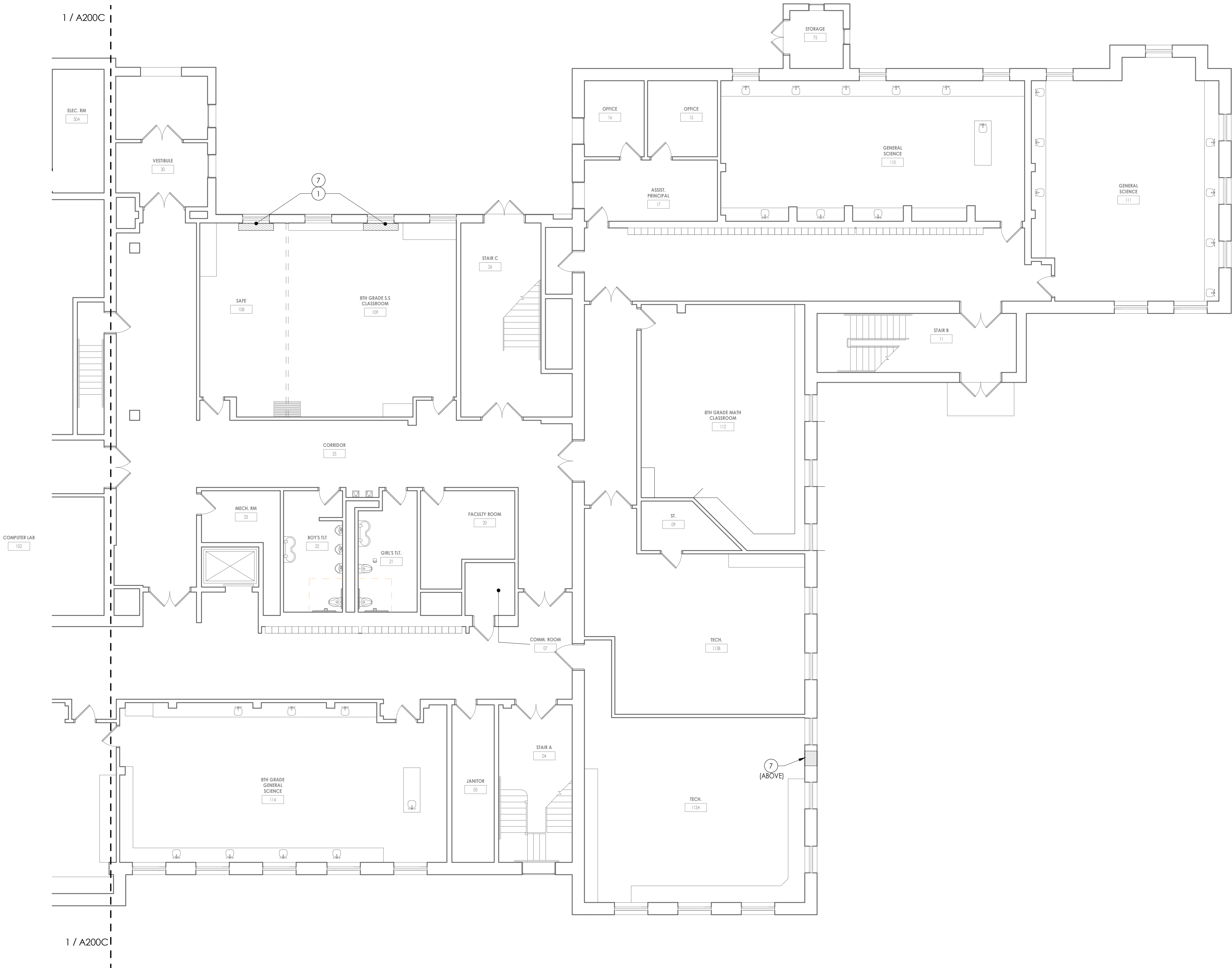
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 CPL \_\_\_\_\_ CPL \_\_\_\_\_  
 Drawing Title  
 GROUND FLOOR AREA C - NEW  
 WORK PLAN

HMS  
A200C



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A200D  
GROUND FLOOR - AREA D  
1/8" = 1'-0"

FLOOR PLAN GENERAL NOTES

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3. ALL WALL DIMENSIONS INDICATED ON FLOOR PLANS ARE TO FACE OF STUD FRAMING OR MASONRY UNLESS OTHERWISE NOTED.
4. SEE SHEET A400 FOR INTERIOR PARTITION TYPES
5. SEE A900s FOR INTERIOR AND EXTERIOR DOORS, WINDOWS, CURTAINWALLS, AND STOREFRONTS
6. PROVIDE AN EDGE/TRANSITION STRIP CENTERED UNDER ALL DOORS WHERE ADJACENT FLOOR FINISHES ARE OF DIFFERENT MATERIALS.
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FLOOR PLAN KEY NOTES

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2. NEW RUBBER STAIR RISERS AND TREADS. REFER TO INTERIOR DRAWINGS.
3. ALTERNATE - PROVIDE NEW WOOD FLOORING AT EXISTING STAGE AREA. REFER TO INTERIOR DRAWINGS FOR FLOOR FINISH.
4. NEW LIGHTING, SOUND AND STAGE RIGGING. COORDINATE WORK WITH EC. REFER TO TL, TR, TS SERIES.
5. PROVIDE NEW COLUMN WRAP. REFERENCE DETAIL ON A800.
6. PROVIDE NEW CEILING HUNG OPERABLE PARTITION.
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12. PROVIDE NEW SAFETY WALL PADDING. PROVIDE FASTENING SYSTEM TO ENSURE TEMPORARY REMOVAL AND REINSTALLATION.
13. PATCH TO MATCH EXISTING WALL, BASE, FLOOR AND CEILING FINISHES IN AREAS AFFECTED BY DEMOLITION AND/OR NEW CONSTRUCTION.
14. LAMINATE 5/8" GYPSUM BOARD OVER CMU WALL.
15. NEW PIPE RAIL. REFER TO DETAIL 3/200A



KEYPLAN AREA D  
NTS

**CPL**  
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50 FRONT ST. SUITE 202  
NEWBURGH, NY 12550  
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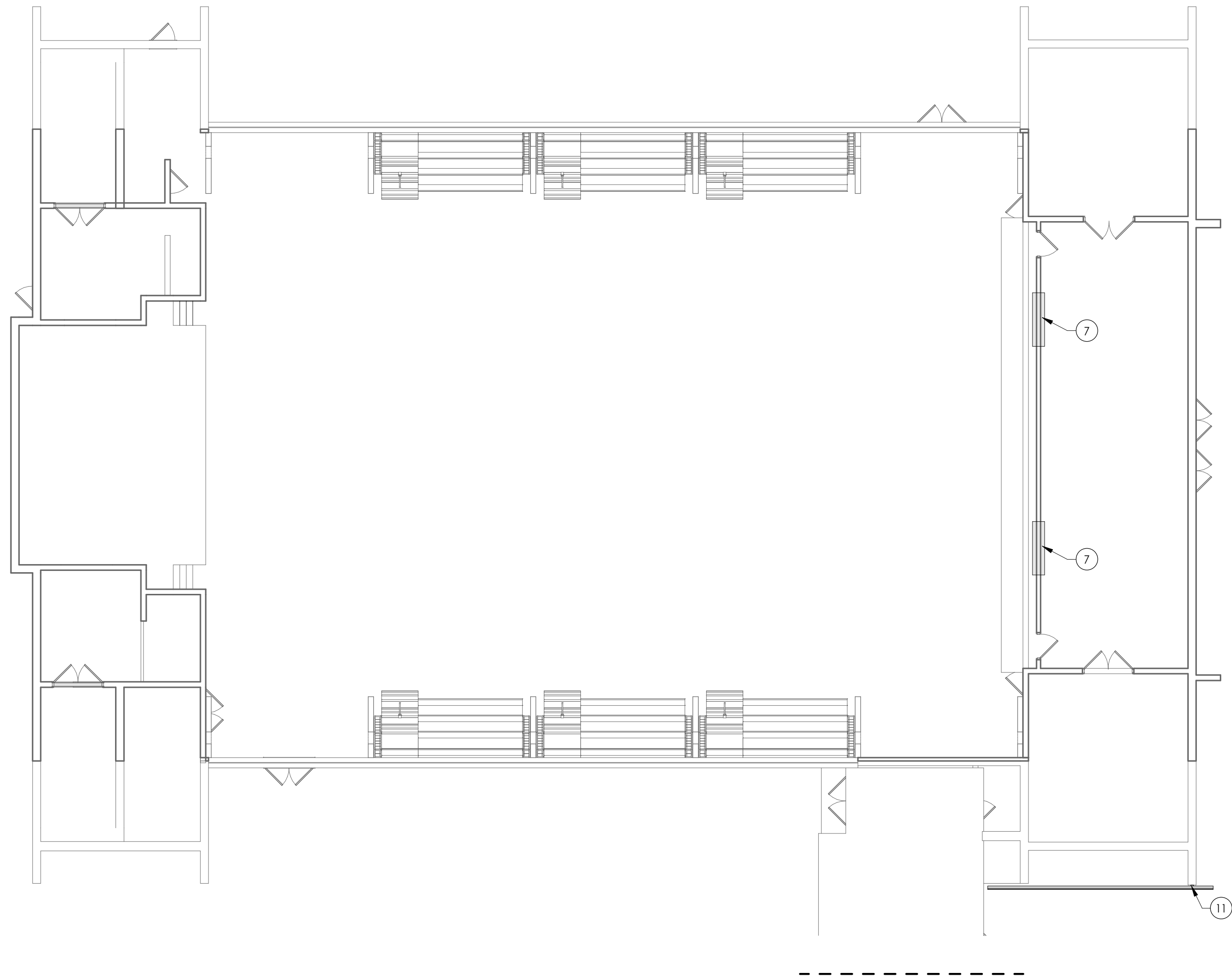
PROJECT INFORMATION		
Project Number	13940.18	
Client Name	NEWBURGH ENLARGED CITY SCHOOL DISTRICT	
Project Name	PHASE 3: HERITAGE MIDDLE SCHOOL 2019 CAPITAL IMPROVEMENT PROJECT	
Project Address	405 Union Avenue, New Windsor, NY 12553	
SED Number	44-16-00-01-0-039-011	
PROJECT ISSUE SCHEDULE		
No.	Date	Description

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SHEET INFORMATION		
Issued	9/9/2021	Scale As indicated
Project Status	CONSTRUCTION DOCUMENTS	
Drawn By	CPL	Checked By CPL
Drawing Title	GROUND FLOOR AREA D - NEW WORK PLAN	

Drawing Number  
HMS  
A200D





1  
A201A

FIRST FLOOR AREA A - NEW WORK

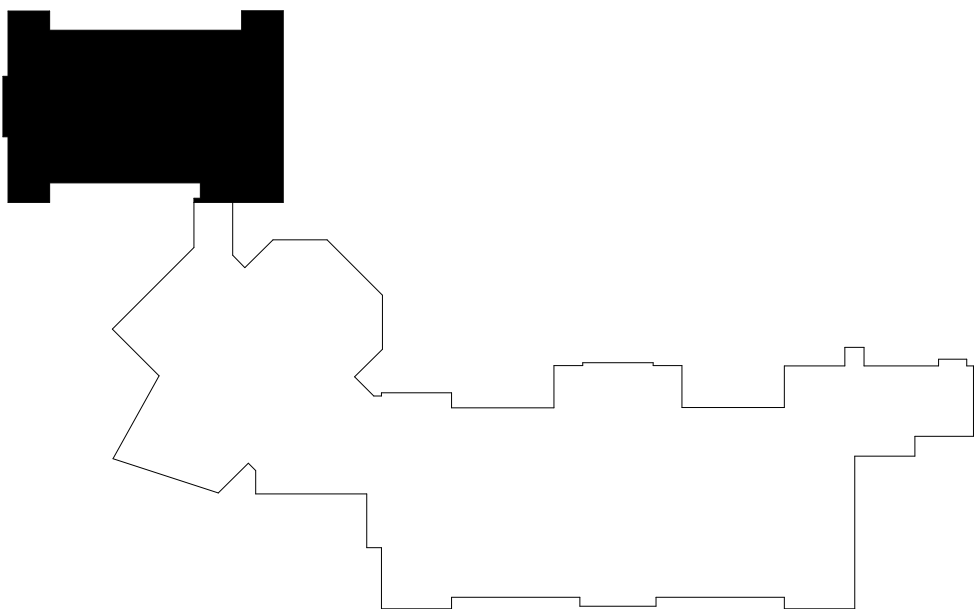
3/32" = 1'-0"

FLOOR PLAN GENERAL NOTES

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3. ALL WALL DIMENSIONS INDICATED ON FLOOR PLANS ARE TO FACE OF STUD FRAMING OR MASONRY UNLESS OTHERWISE NOTED.
4. SEE SHEET A400 FOR INTERIOR PARTITION TYPES
5. SEE A900s FOR INTERIOR AND EXTERIOR DOORS, WINDOWS, CURTAINWALLS, AND STOREFRONTS
6. PROVIDE AN EDGE/TRANSITION STRIP CENTERED UNDER ALL DOORS WHERE ADJACENT FLOOR FINISHES ARE OF DIFFERENT MATERIALS.
7. PROVIDE ACCESS PANELS, MINIMUM 24" x 24", OR OF SIZES REQUIRED, WHERE PLUMBING AND HEATING VALVES, WATER SWITCHES, VENTILATION SPLITTER DAPMERS, ETC. ARE SHOWN ON PLUMBING, HEATING AND VENTILATION DRAWINGS.
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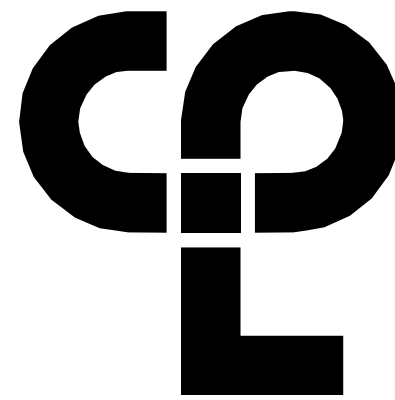
FLOOR PLAN KEY NOTES

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KEYPLAN AREA A

NTS



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50 FRONT ST, SUITE 202  
NEWBURGH, NY 12550  
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PROJECT INFORMATION

Project Number  
13940.18  
Client Name

NEWBURGH ENLARGED CITY  
SCHOOL DISTRICT

Project Name  
PHASE 3: HERITAGE MIDDLE  
SCHOOL 2019 CAPITAL  
IMPROVEMENT PROJECT

Project Address  
405 Union Avenue, New Windsor, NY 12553

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Scale  
As indicated

Project Status  
CONSTRUCTION DOCUMENTS

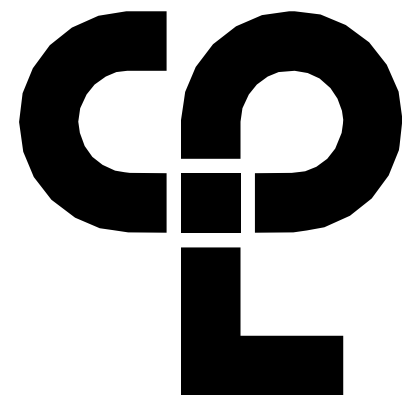
Drawn By  
Author  
Checked By  
Checker

Drawing Title  
FIRST FLOOR AREA A - NEW  
WORK PLAN

Drawing Number

A201A





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NEWBURGH, NY 12550  
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## FLOOR PLAN GENERAL NOTES

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## PROJECT INFORMATION

Project Number  
13940.18  
Client Name

**NEWBURGH ENLARGED CITY  
SCHOOL DISTRICT**

Project Name  
**PHASE 3: HERITAGE MIDDLE  
SCHOOL 2019 CAPITAL  
IMPROVEMENT PROJECT**

Project Address  
405 Union Avenue, New Windsor, NY 12553

SED Number  
44-16-00-01-0-039-011

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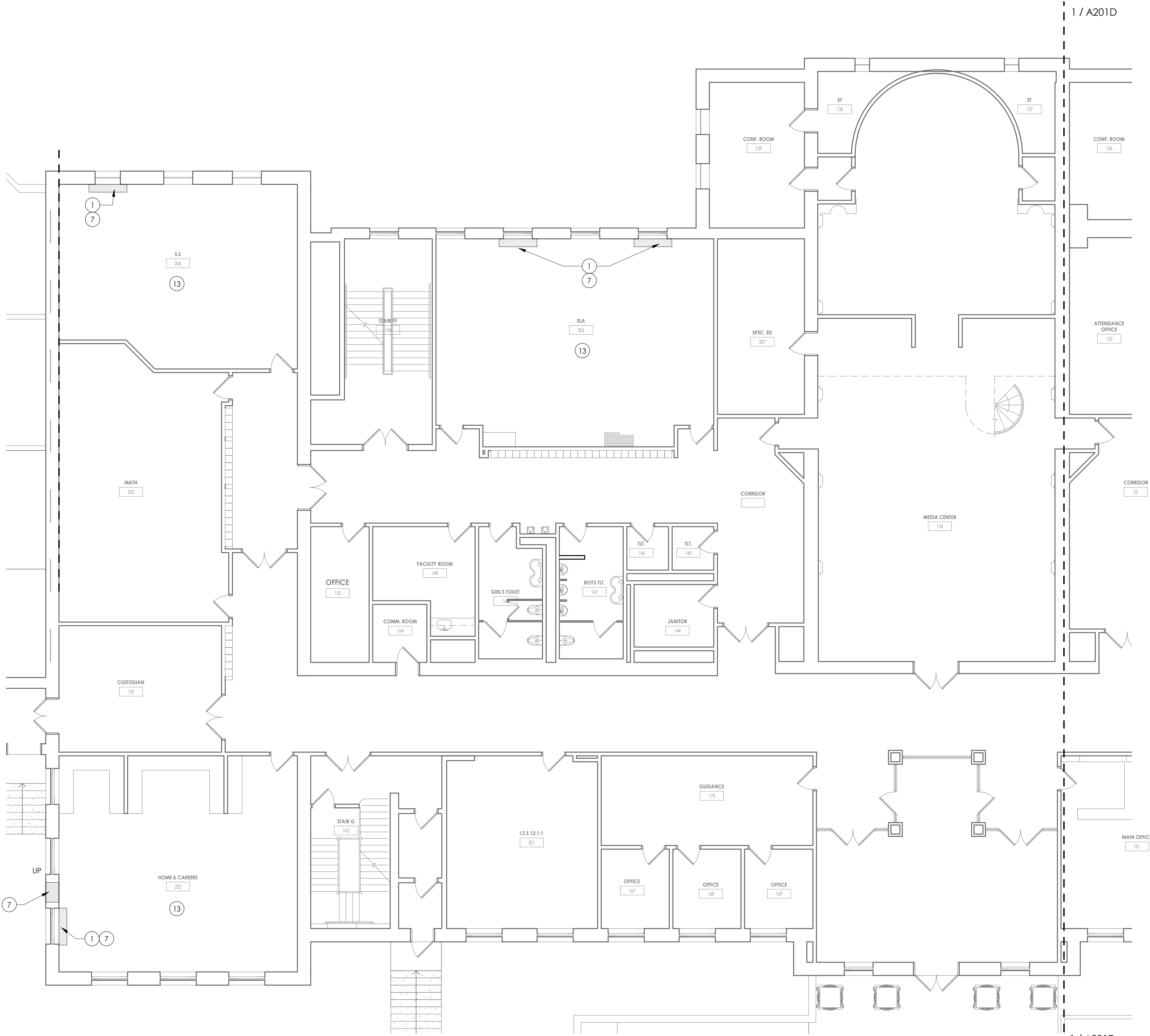
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9/9/2021  
Scale  
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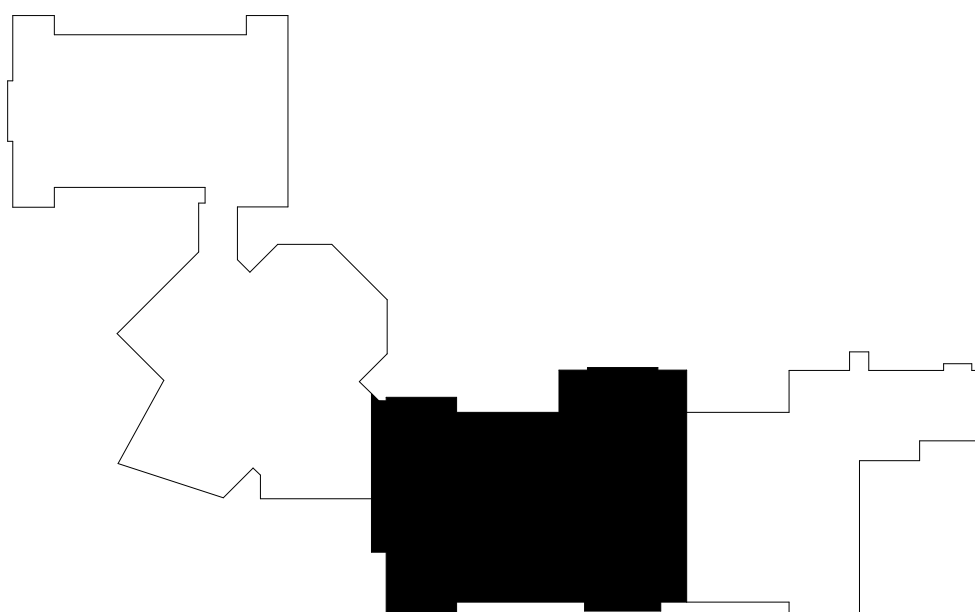
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**CONSTRUCTION DOCUMENTS**  
Drawn By  
CPL  
Checked By  
CPL

Drawing Title  
**FIRST FLOOR AREA C - NEW  
WORK PLAN**

Drawing Number  
**HMS  
A201C**

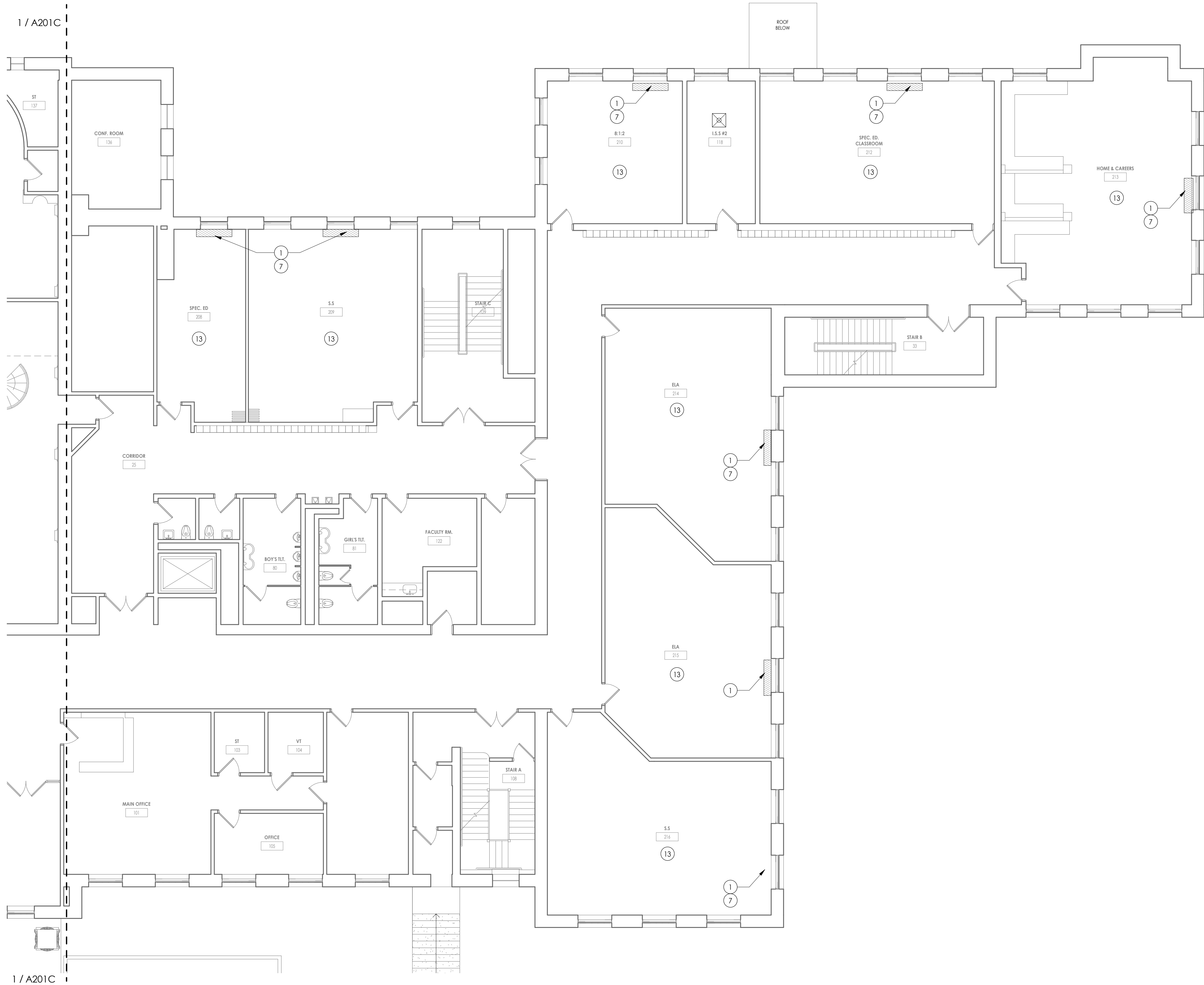


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A201C**  
**FIRST FLOOR - AREA C**  
1/8" = 1'-0"



**KEYPLAN AREA C**  
NTS





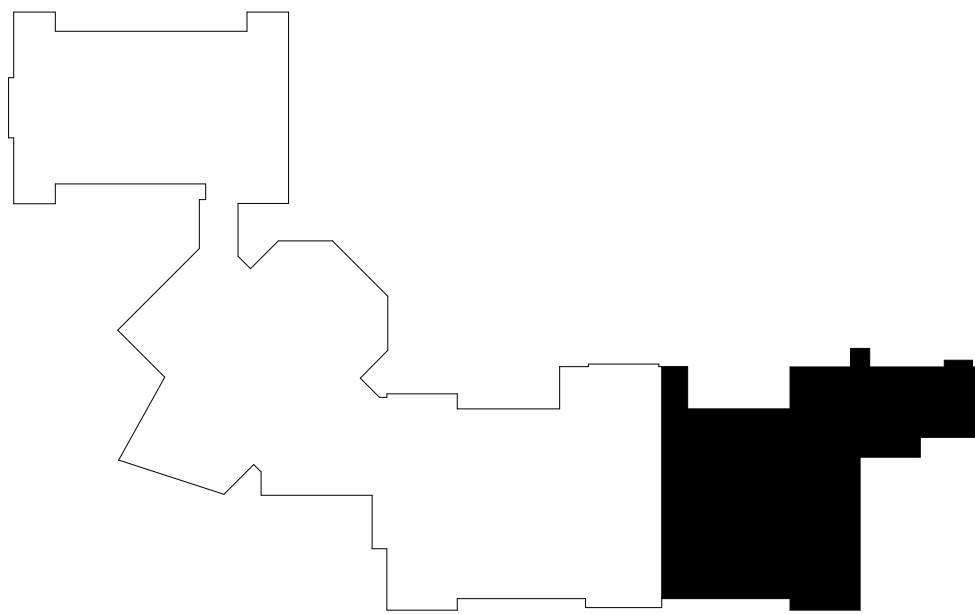
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FIRST FLOOR - AREA D  
1/8" = 1'-0"

## FLOOR PLAN GENERAL NOTES

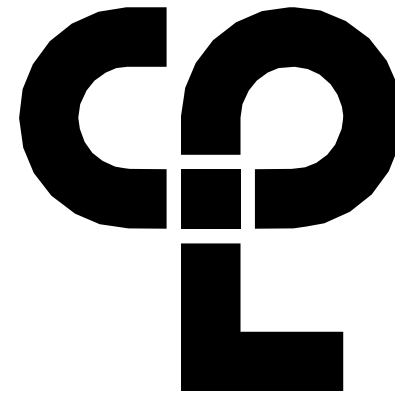
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## PROJECT INFORMATION

Project Number  
13940.18  
Client Name

NEWBURGH ENLARGED CITY  
SCHOOL DISTRICT

Project Name  
PHASE 3: HERITAGE MIDDLE  
SCHOOL 2019 CAPITAL  
IMPROVEMENT PROJECT

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405 Union Avenue, New Windsor, NY 12553

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Project Status  
CONSTRUCTION DOCUMENTS

Drawn By  
CPL  
Checked By  
CPL

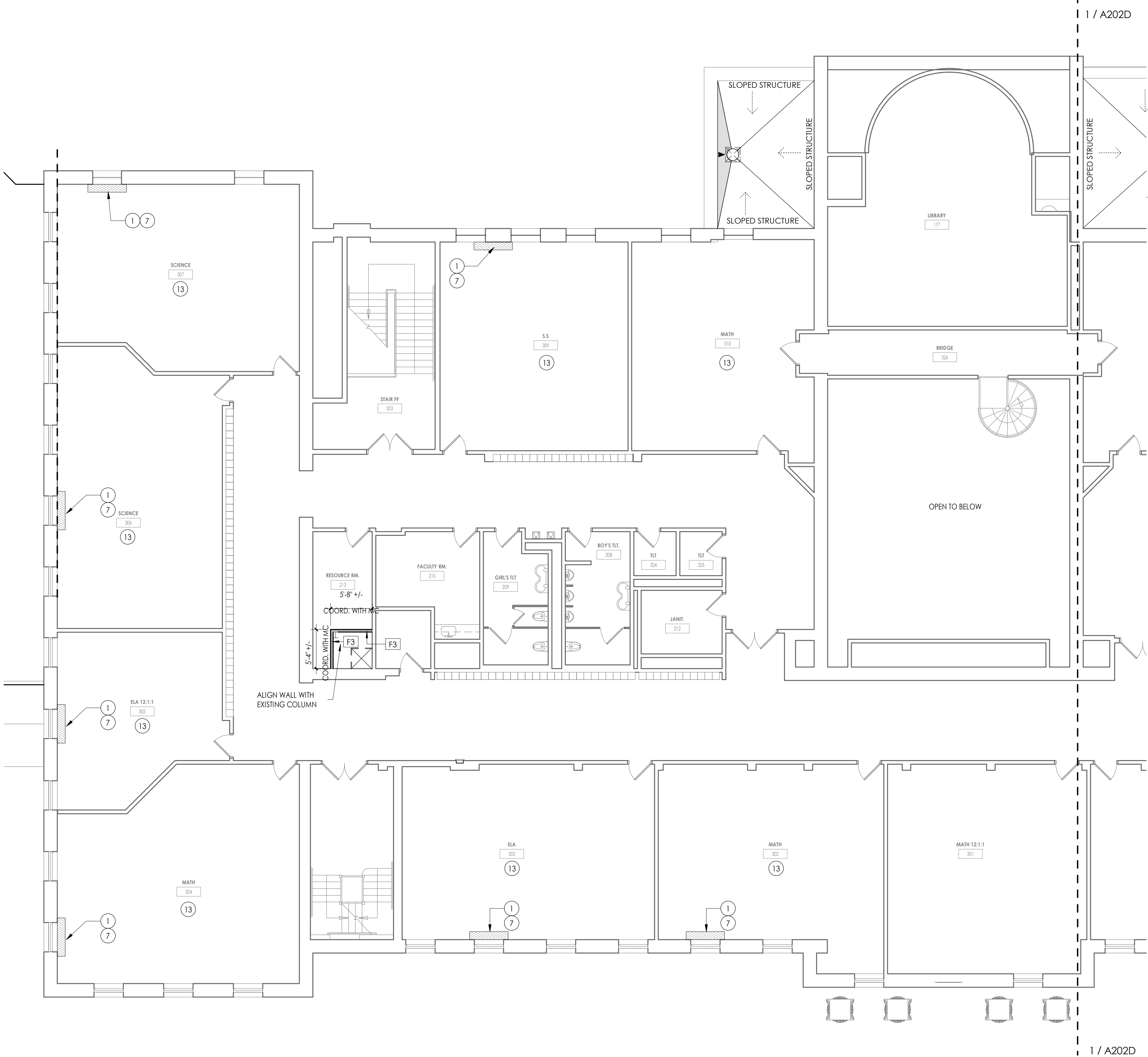
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FIRST FLOOR AREA D - NEW  
WORK PLAN

Drawing Number

HMS  
A201D



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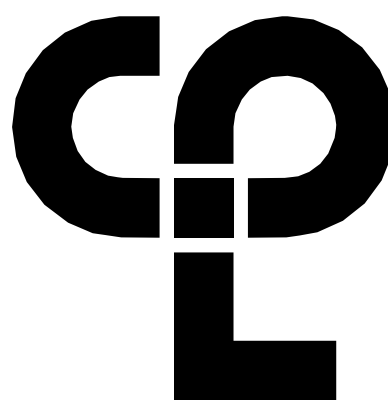
1 SECOND FLOOR - AREA C  
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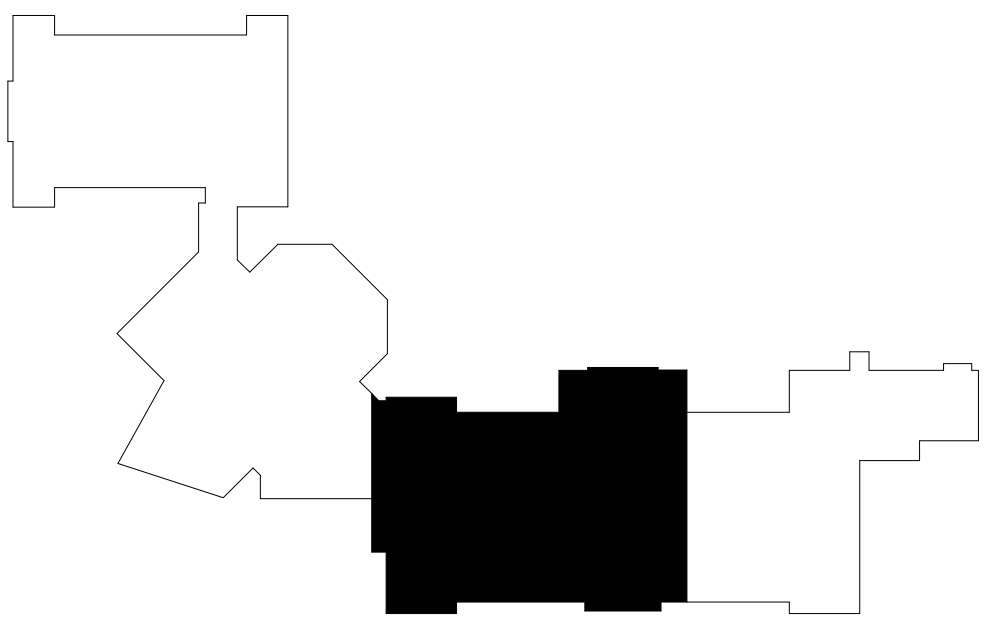
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9/9/2021  
Project Status  
CONSTRUCTION DOCUMENTS  
Drawn By  
CPL  
Drawing Title  
SECOND FLOOR AREA C - NEW  
WORK PLAN

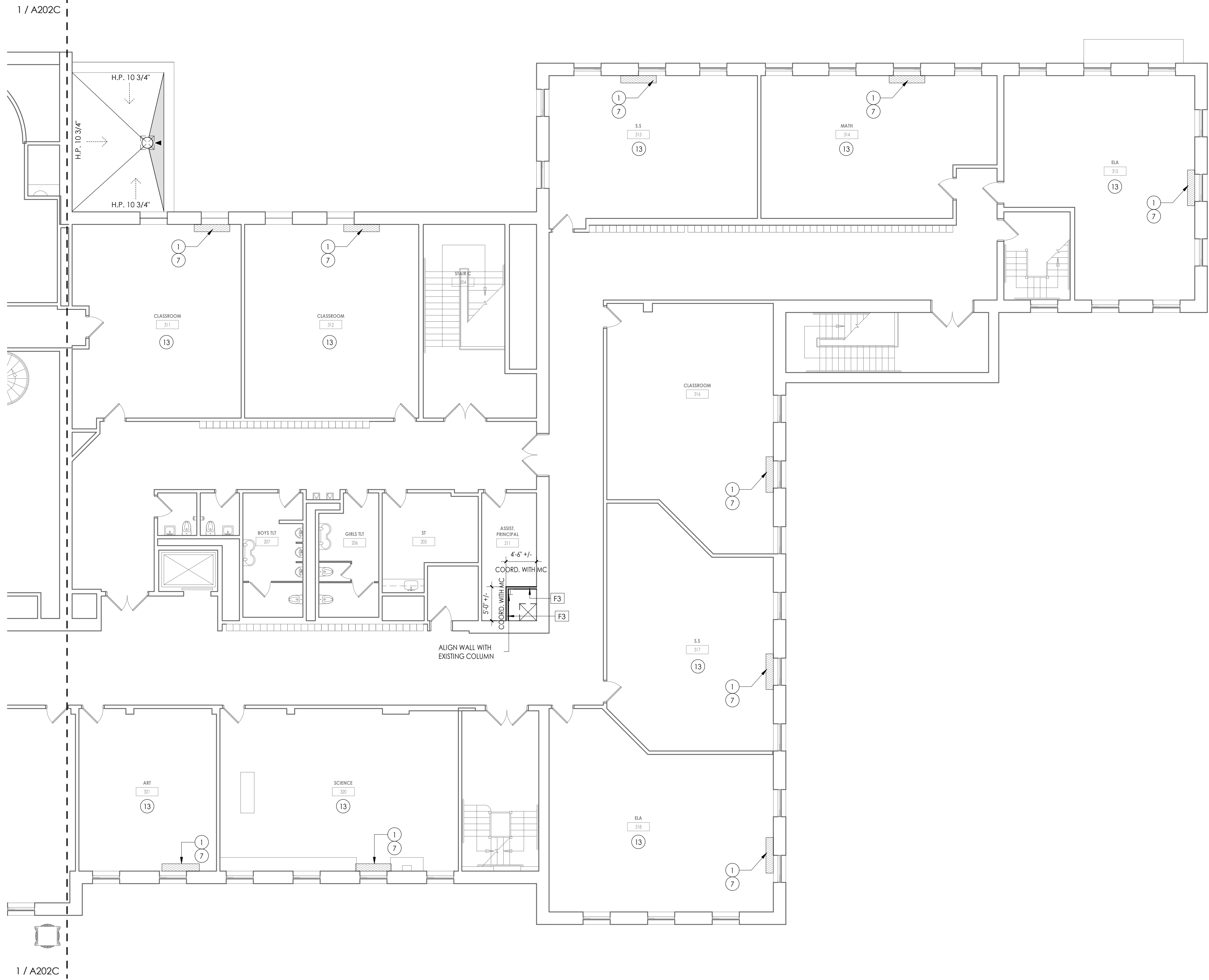
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KEYPLAN AREA C

NTS





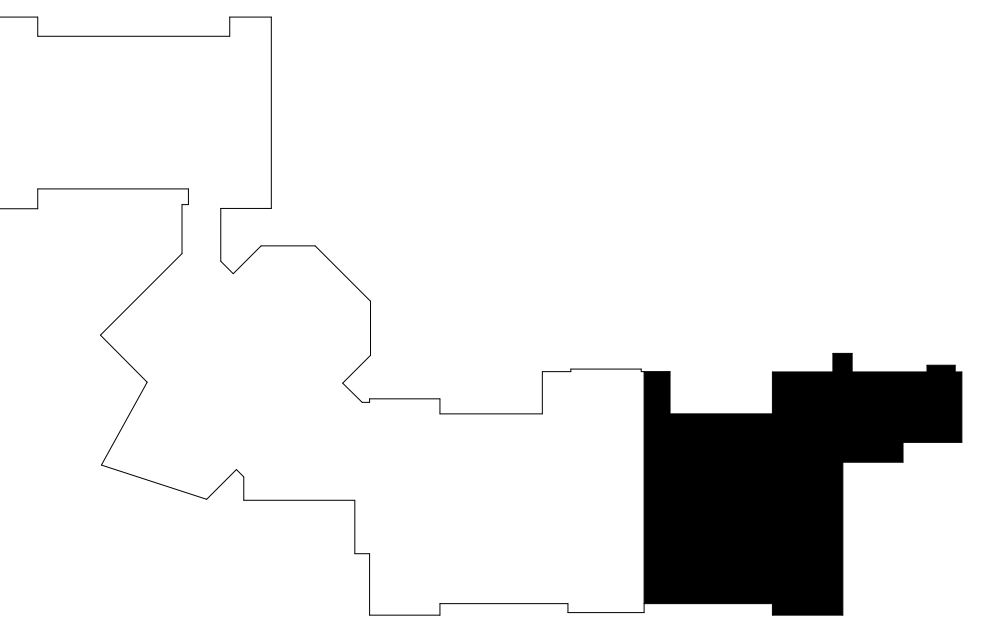
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A202D  
SECOND FLOOR - AREA D  
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5. SEE A900s FOR INTERIOR AND EXTERIOR DOORS, WINDOWS, CURTAINWALLS, AND STOREFRONTS
6. PROVIDE AN EDGE/TRANSITION STRIP CENTERED UNDER ALL DOORS WHERE ADJACENT FLOOR FINISHES ARE OF DIFFERENT MATERIALS.
7. PROVIDE ACCESS PANELS, MINIMUM 24" x 24", OR OF SIZES REQUIRED, WHERE PLUMBING AND HEATING VALVES, WATER SWITCHES, VENTILATION SPLITTER DAPMERS, ETC. ARE SHOWN ON PLUMBING, HEATING AND VENTILATION DRAWINGS.
8. WORK AREAS SHALL BE MAINTAINED AND ALL WORK AREAS SHALL BE LEFT BROOMED CLEAN AT END OF EACH DAY.
9. ALL DOORS AND WINDOW SYSTEMS TO HAVE SEALANT AROUND THE ENTIRE PERIMETER (BOTH SIDES) OF FRAMES.
10. CONTRACTOR TO COORDINATE WITH OTHER TRADES FOR SEQUENCING OF WORK.
11. REFER TO A700 FOR TYPICAL FIXTURE MOUNTING HEIGHTS AND ACCESSORIES LEGEND.

FLOOR PLAN KEY NOTES

- 1 PATCH TO MATCH FLOOR AT MECHANICAL EQUIPMENT REMOVAL WHERE INDICATED BY HATCH.PROVIDE NEW FINISHED END PANELS AT CASEWORK AFFECTED BY UV REMOVALS. MATCH EXISTING FINISH AND COLOR
- 2 NEW RUBBER STAIR RISERS AND TREADS. REFER TO INTERIOR DRAWINGS.
- 3 ALTERNATE - PROVIDE NEW WOOD FLOORING AT EXISTING STAGE AREA. REFER TO INTERIOR DRAWINGS FOR FLOOR FINISH.
- 4 NEW LIGHTING, SOUND AND STAGE RIGGING. COORDINATE WORK WITH EC. REFER TO TL, TR, TS SERIES.
- 5 PROVIDE NEW COLUMN WRAP. REFERENCE DETAIL ON A800.
- 6 PROVIDE NEW CEILING HUNG OPERABLE PARTITION.
- 7 PATCH EXISTING WALL. COORDINATE WORK WITH MC. REFER TO A801 FOR DETAILS. GC TO PAINT SURFACE CORNER TO CORNER AND FLOOR TO CEILING TO MATCH EXISTING COLOR.
- 8 PROVIDE NEW WOOD STAIR TREAD TO MATCH EXISTING. REPAIR ANY MOUNTING COMPONENTS AS NECESSARY.
- 9 NEW DRINKING FOUNTAIN. COORDINATE WORK WITH PLUMBING CONTRACTOR.
- 10 PATCH CONCRETE S.O.G. TO MATCH EXISTING.
- 11 PROVIDE NEW DOWNSPOUT. COORDINATE WORK WITH CIVIL DRAWINGS.
- 12 PROVIDE NEW SAFETY WALL PADDING. PROVIDE FASTENING SYSTEM TO ENSURE TEMPORARY REMOVAL AND REINSTALLATION.
- 13 PATCH TO MATCH EXISTING WALL, BASE, FLOOR AND CEILING FINISHES IN AREAS AFFECTED BY DEMOLITION AND/OR NEW CONSTRUCTION.
- 14 LAMINATE 5/8" GYPSUM BOARD OVER CMU WALL.
- 15 NEW PIPE RAIL. REFER TO DETAIL 3/200A



KEYPLAN AREA D  
NTS



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50 FRONT ST. SUITE 202  
NEWBURGH, NY 12550  
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PROJECT INFORMATION

Project Number  
13940.18

Client Name  
NEWBURGH ENLARGED CITY  
SCHOOL DISTRICT

Project Name  
PHASE 3: HERITAGE MIDDLE  
SCHOOL 2019 CAPITAL  
IMPROVEMENT PROJECT

Project Address  
405 Union Avenue, New Windsor, NY 12553

SED Number  
44-16-00-01-0-039-011

PROJECT ISSUE SCHEDULE

No.	Date	Description
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SHEET INFORMATION

Issued  
9/9/2021

Scale  
As indicated

Project Status  
CONSTRUCTION DOCUMENTS

Drawn By  
CPL

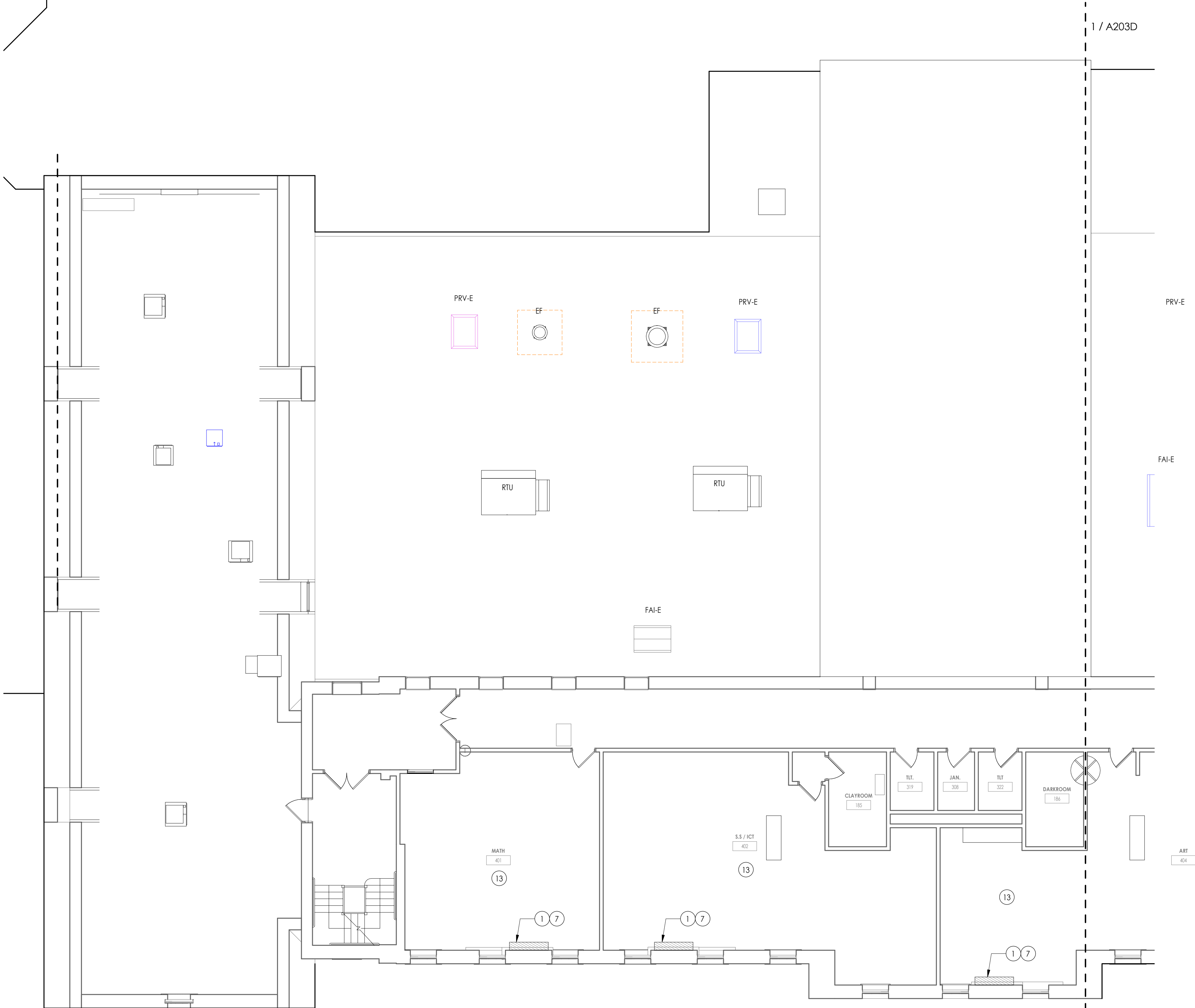
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CPL

Drawing Title  
SECOND FLOOR AREA D - NEW  
WORK PLAN

Drawing Number  
HMS  
A202D



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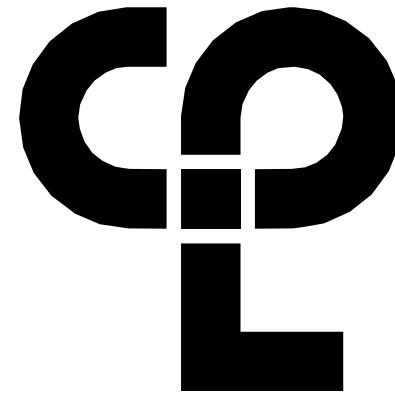
1  
A203C  
1/8" = 1'-0"  
THIRD FLOOR - AREA C

FLOOR PLAN GENERAL NOTES

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

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14. LAMINATE 5/8" GYPSUM BOARD OVER CMU WALL.
15. NEW PIPE RAIL. REFER TO DETAIL 3/200A



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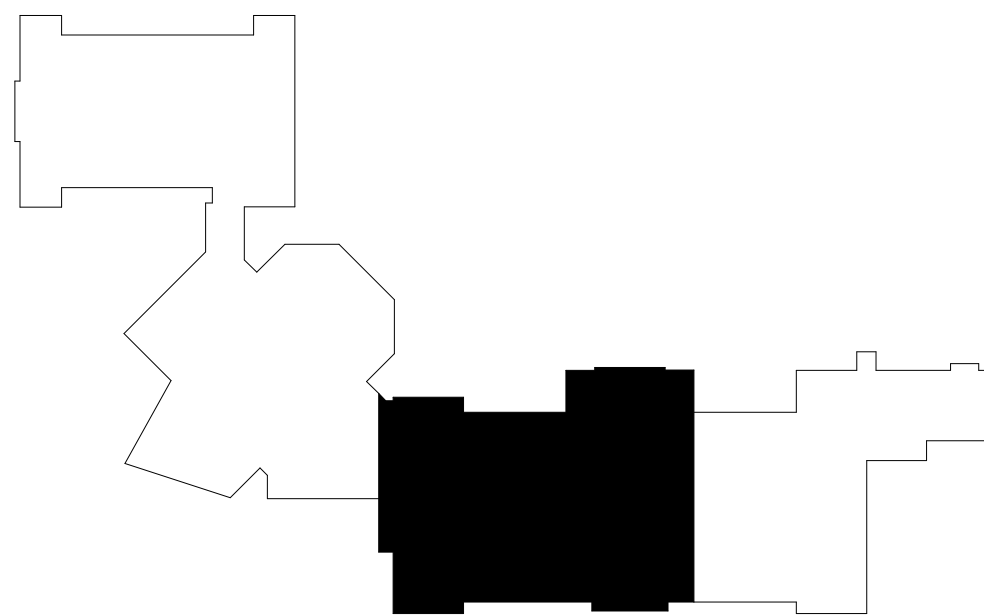
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CONSTRUCTION DOCUMENTS  
Drawn By  
CPL  
Checked By  
CPL  
Drawing Title  
THIRD FLOOR AREA C - NEW  
WORK PLAN

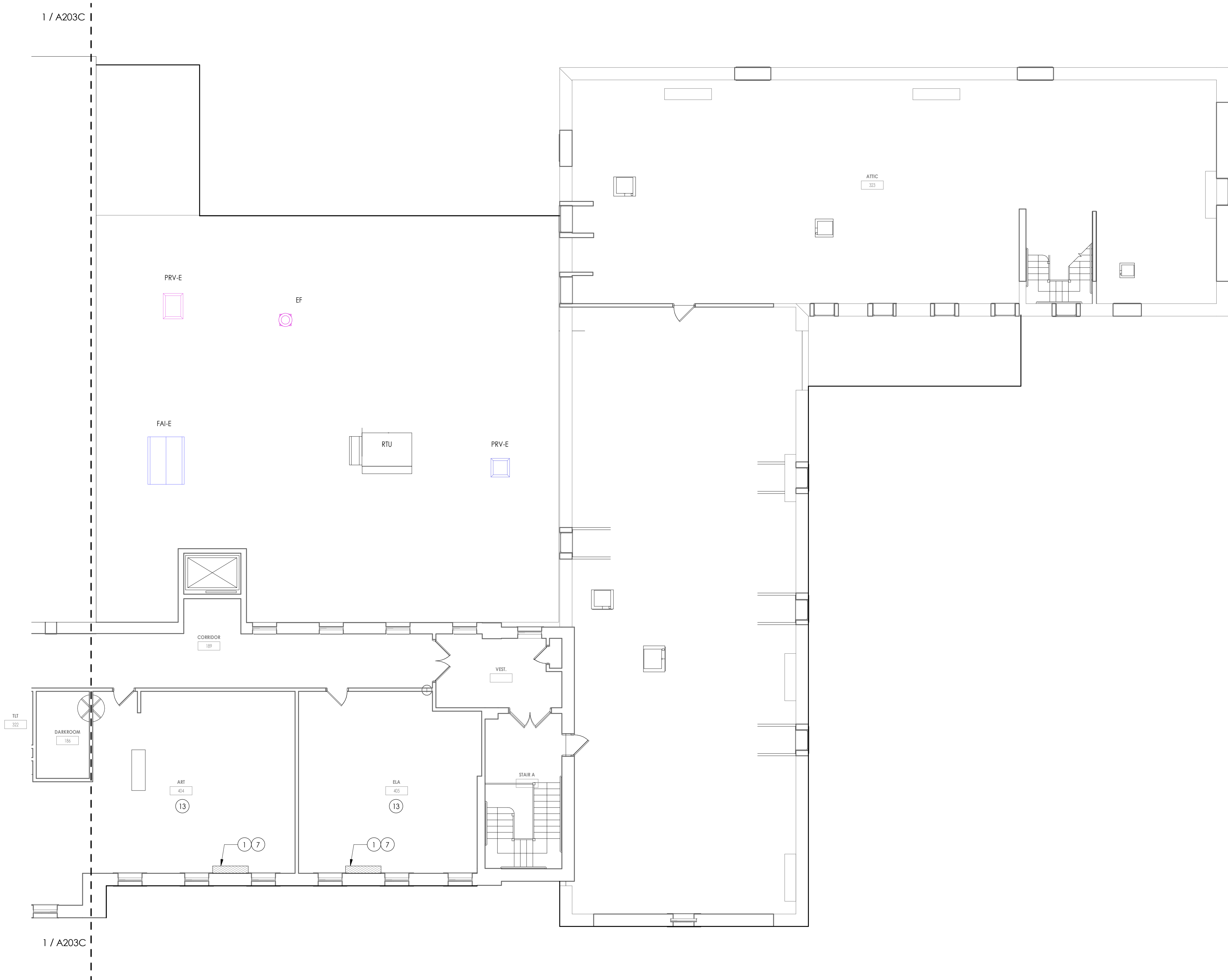
Drawing Number

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A203C



KEYPLAN AREA C  
NTS





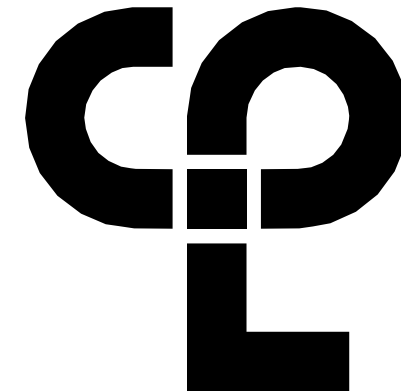
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**A203D**  
**THIRD FLOOR - AREA D**  
1/8" = 1'-0"

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**NEWBURGH ENLARGED CITY  
SCHOOL DISTRICT**  
Project Name  
**PHASE 3: HERITAGE MIDDLE  
SCHOOL 2019 CAPITAL  
IMPROVEMENT PROJECT**

Project Address  
405 Union Avenue, New Windsor, NY 12553

SED Number  
44-16-00-01-0-039-011

### PROJECT ISSUE SCHEDULE

No. Date Description

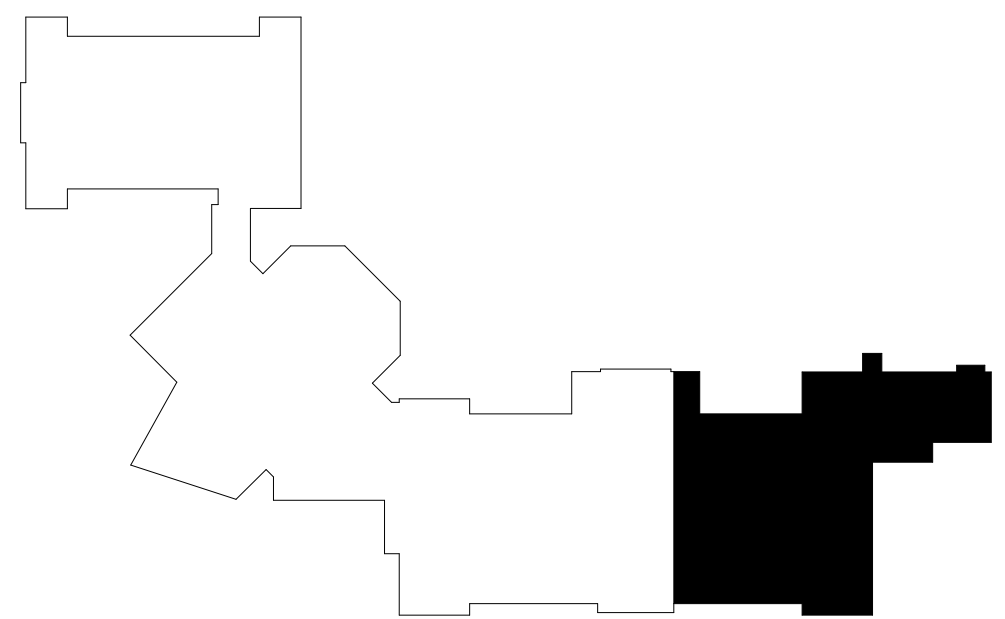
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9/9/2021  
Scale  
As indicated  
Project Status  
CONSTRUCTION DOCUMENTS  
Drawn By  
CPL  
Checked By  
CPL  
Drawing Title  
THIRD FLOOR AREA D - NEW  
WORK PLAN

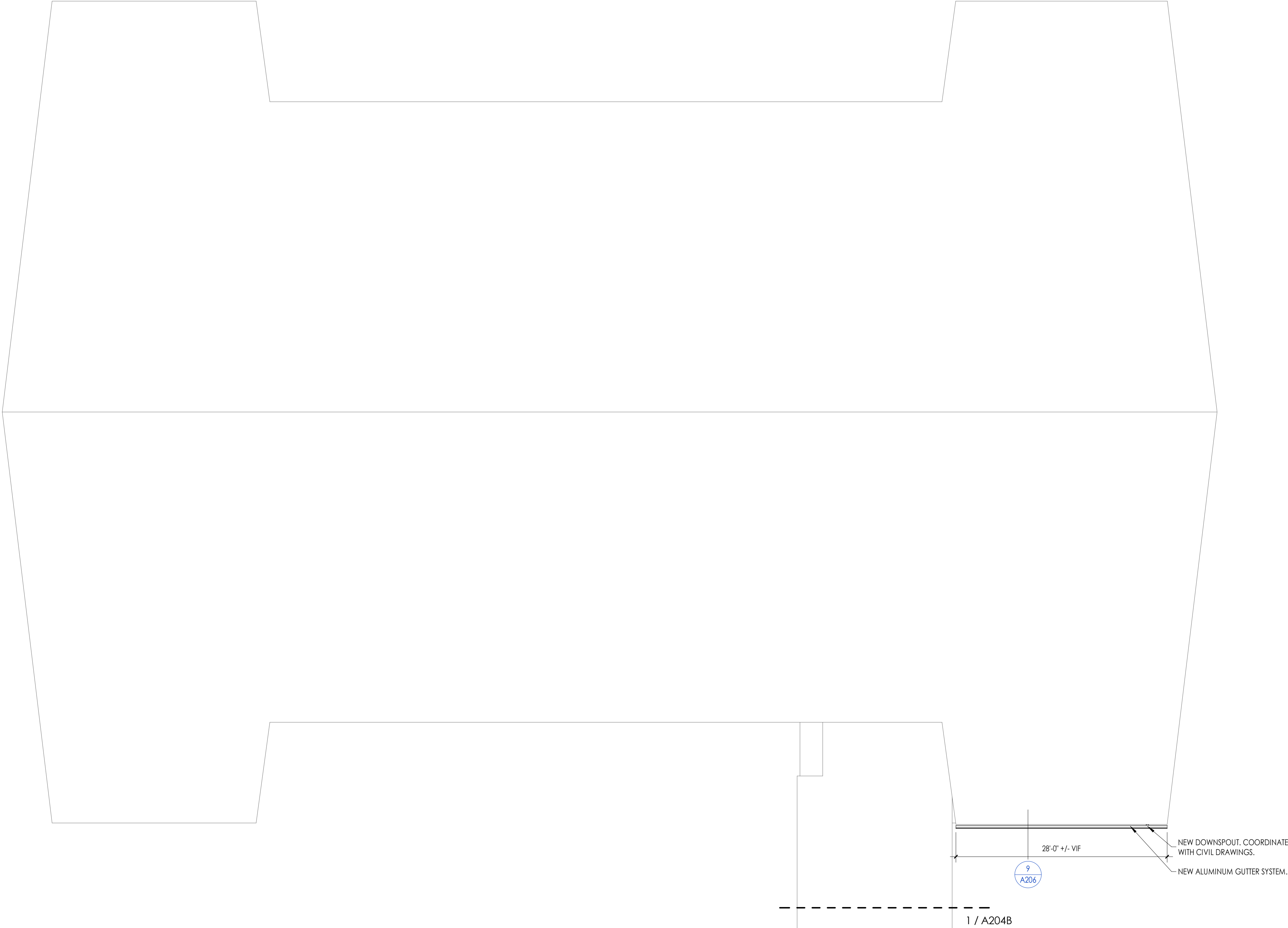
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**HMS**  
**A203D**



**KEYPLAN AREA D**  
NTS

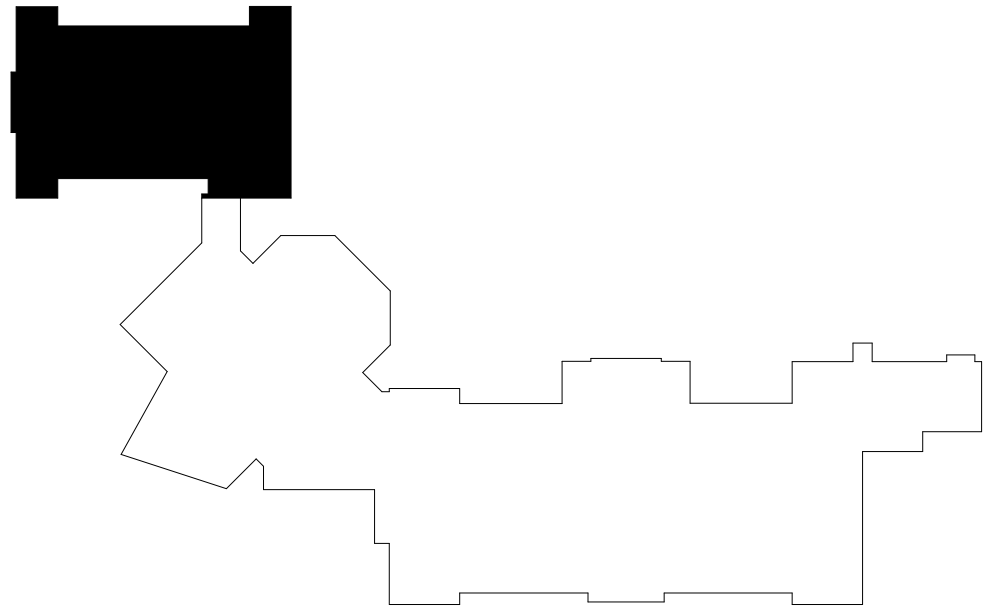




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### ROOF PLAN AREA A

1/8" = 1'-0"



### KEYPLAN AREA A

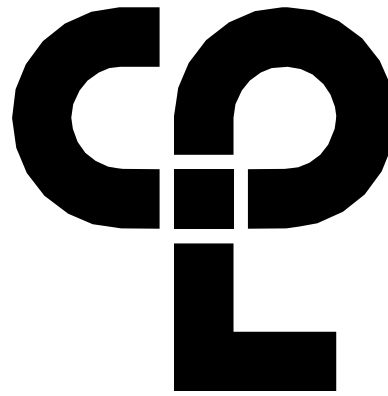
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## ROOF PLAN GENERAL NOTES

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- REFER TO ALL DRAWINGS IN THE SET FOR LOCATIONS OF ALL ROOF PENETRATIONS. PROVIDE FRAMING AS REQUIRED.
- CONTRACTOR SHALL PAINT ALL ROOF FASTENERS EXPOSED TO VIEW AT UNDERSIDE OF DECK TO MATCH.
- WORK AREAS SHALL BE MAINTAINED AND ALL WORK AREAS SHALL BE BROOM CLEAN AT THE END OF EACH DAY.
- ALL WOOD BLOCKING USED SHALL BE PRESSURE TREATED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING ALL ROOF DRAINS AND CUTTING THE HOLES IN THE DECK FOR ANY DRAINS AND PROVIDING STRUCTURAL SUPPORTS.
- THE ROOF ELEVATIONS SHOWN ON THE PLAN ARE SHOWN TO ESTABLISH RELATIVE HEIGHTS OF THE INDIVIDUAL ROOFS.
- NO WEEP HOLES SHALL BE COVERED OR PLUGGED AS A RESULT OF THE ROOFING WORK, UNLESS OTHERWISE DIRECTED.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO MAINTAIN WATER TIGHTNESS AND PROVIDE PROTECTION AT ANY/ALL OPENINGS IN THE ROOF LEFT AT THE END OF EACH DAY.
- PROVIDE CRICKETS FOR WATER DIVERSION AT ALL CURBS, RAILS, ETC., WHICH RUN PERPENDICULAR TO THE SLOPE OF THE INSULATION/SLOPED STRUCTURE.
- ALL ROOF TOP UNITS SHALL BE MOUNTED ON 1/2" MIN. INSULATED METAL CURBS. PROVIDE TAPERED INSULATION CRICKETS AS REQUIRED TO SHED WATER. WOOD BLOCKING SHALL BE PROVIDED SO CURBS ARE 8" ABOVE FINISHED ROOF SURFACE.
- THE MINIMUM INSULATION THICKNESS SHALL BE 5.5". SLOPE OF TAPERED INSULATION TO BE A MINIMUM OF 1/4" PER FOOT FOR NEW CONSTRUCTION AND 1/8" PER FOOT OVER EXISTING STRUCTURE.

## ROOF PLAN LEGEND

	ROOF DRAIN W/ SECONDARY
	SLOPED INSULATION HIGH POINT (MIN. 5 1/2" )
	SLOPED INSULATION ROOF CRICKET, PROVIDE 1/2" / 1'-0" POSITIVE DRAINAGE
	MECH. CURB (W/ CRICKET), PROVIDE FLASHING PER ROOF MANUFACTURER'S DETAILS
	ROOF SLOPE
	2'-0" x 2'-0" ROOF MEMBRANE WALKWAY SYSTEM
	NEW EPDM ROOF SYSTEM AS SPECIFIED



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NEWBURGH, NY 12550  
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### PROJECT INFORMATION

Project Number

13940.18

Client Name

NEWBURGH ENLARGED CITY  
SCHOOL DISTRICT

Project Name

PHASE 3: HERITAGE MIDDLE  
SCHOOL 2019 CAPITAL  
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SED Number

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Issued

9/9/2021

Scale

As indicated

Project Status

CONSTRUCTION DOCUMENTS

Drawn By

Author

Checked By

Checker

Drawing Title

ROOF PLAN AREA A

Drawing Number

A204A



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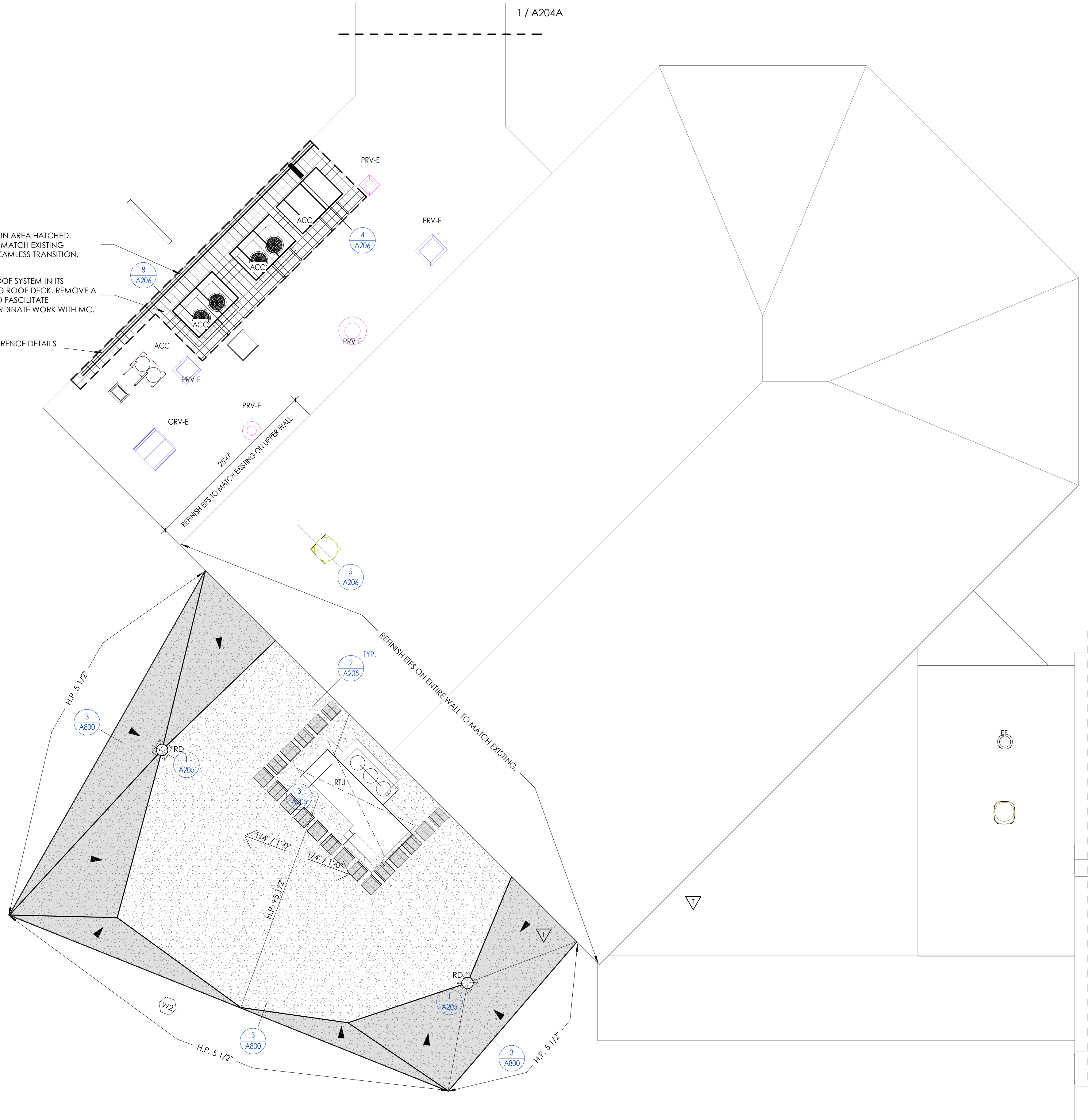
ROOF PLAN AREA B

1/8" = 1'-0"

REPLACE ROOFING SYSTEM IN AREA HATCHED.  
PROVIDE ROOF SYSTEM #1. MATCH EXISTING  
INSULATION DEPTH FOR A SEAMLESS TRANSITION.

REMOVE EXISTING EPDM ROOF SYSTEM IN ITS  
ENTIRETY DOWN TO EXISTING ROOF DECK. REMOVE A  
PORTION OF ROOF DECK TO FACILITATE  
MECHANICAL WORK. COORDINATE WORK WITH MC.

INSTALL NEW RAILING. REFERENCE DETAILS  
ON S401



ROOF PLAN GENERAL NOTES

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11. ALL ROOF TOP UNITS SHALL BE MOUNTED ON 16" MIN. INSULATED METAL CURBS. PROVIDE TAPERED INSULATION CRICKETS AS REQUIRED TO SHED WATER. WOOD BLOCKING SHALL BE PROVIDED SO CURBS ARE 8" ABOVE FINISHED ROOF SURFACE.
12. THE MINIMUM INSULATION THICKNESS SHALL BE 5.5". SLOPE OF TAPERED INSULATION TO BE A MINIMUM OF 1/4" PER FOOT FOR NEW CONSTRUCTION AND 1/8" PER FOOT OVER EXISTING STRUCTURE.

ROOF PLAN LEGEND

	RD	ROOF DRAIN W/ SECONDARY
	H.P. XX"	SLOPED INSULATION HIGH POINT (MIN. 5 1/2")
		SLOPED INSULATION ROOF CRICKET, PROVIDE 1/2" / 1'-0" POSITIVE DRAINAGE
		MECH. CURB (W/ CRICKET), PROVIDE FLASHING PER ROOF MANUFACTURER'S DETAILS
	1/4" / 1'-0"	ROOF SLOPE
		2'-0" x 2'-0" ROOF MEMBRANE WALKWAY SYSTEM
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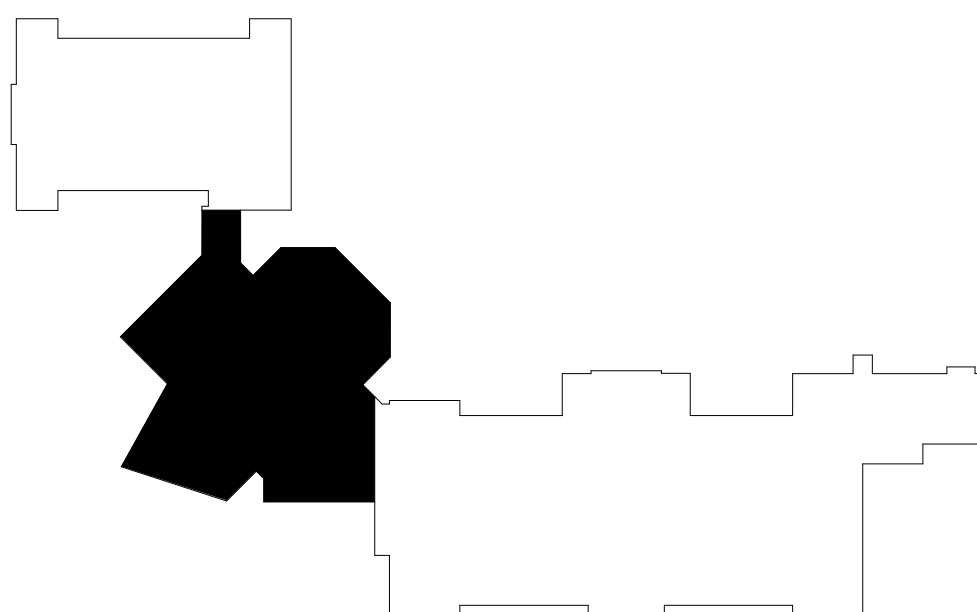
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ROOF PLAN AREA B

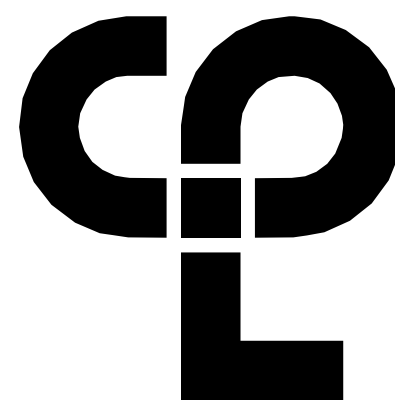
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KEYPLAN AREA B

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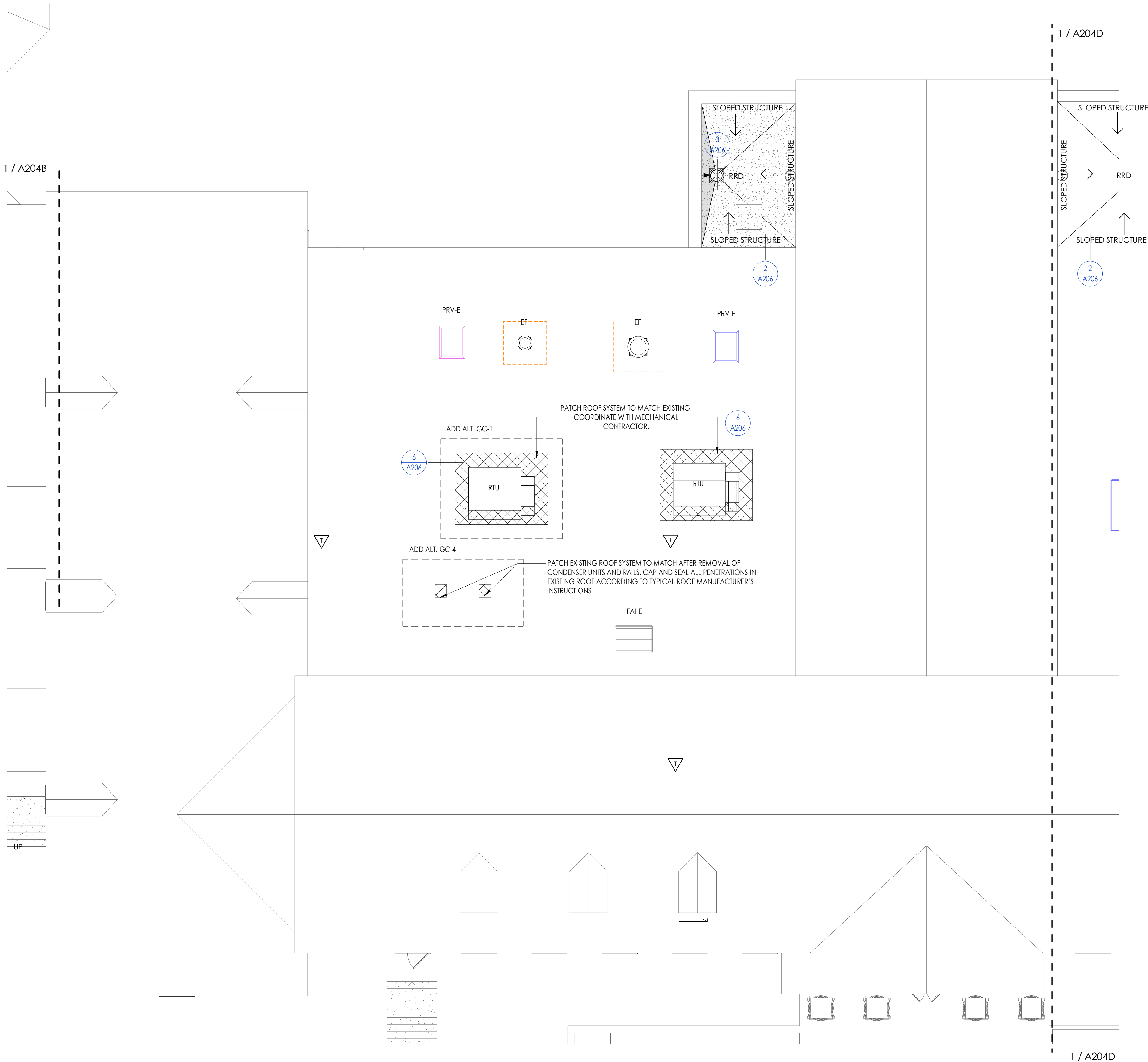
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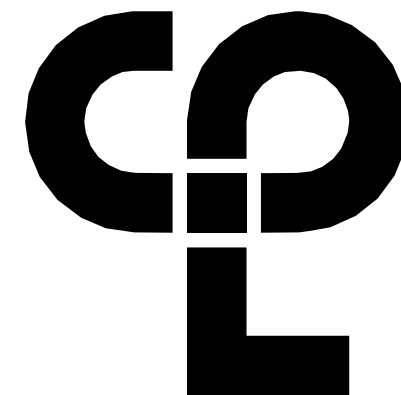


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- CONTRACTOR SHALL PAINT ALL ROOF FASTENERS EXPOSED TO VIEW AT UNDERSIDE OF DECK TO MATCH.
- WORK AREAS SHALL BE MAINTAINED AND ALL WORK AREAS SHALL BE BROOM CLEAN AT THE END OF EACH DAY.
- ALL WOOD BLOCKING USED SHALL BE PRESSURE TREATED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING ALL ROOF DRAINS AND CUTTING THE HOLES IN THE DECK FOR ANY DRAINS AND PROVIDING STRUCTURAL SUPPORTS.
- THE ROOF ELEVATIONS SHOWN ON THE PLAN ARE SHOWN TO ESTABLISH RELATIVE HEIGHTS OF THE INDIVIDUAL ROOFS.
- NO WEEP HOLES SHALL BE COVERED OR PLUGGED AS A RESULT OF THE ROOFING WORK, UNLESS OTHERWISE DIRECTED.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO MAINTAIN WATER TIGHTNESS AND PROVIDE PROTECTION AT ANY/ALL OPENINGS IN THE ROOF LEFT AT THE END OF EACH DAY.
- PROVIDE CRICKETS FOR WATER DIVERSION AT ALL CURBS, RAILS, ETC. WHICH RUN PERPENDICULAR TO THE SLOPE OF THE INSULATION/SLOPED STRUCTURE.
- ALL ROOF TOP UNITS SHALL BE MOUNTED ON 16\" MIN. INSULATED METAL CURBS. PROVIDE TAPERED INSULATION CRICKETS AS REQUIRED TO SHED WATER. WOOD BLOCKING SHALL BE PROVIDED SO CURBS ARE 8\" ABOVE FINISHED ROOF SURFACE.
- THE MINIMUM INSULATION THICKNESS SHALL BE 5.5\". SLOPE OF TAPERED INSULATION TO BE A MINIMUM OF 1/4\" PER FOOT FOR NEW CONSTRUCTION AND 1/8\" PER FOOT OVER EXISTING STRUCTURE.

## ROOF PLAN LEGEND

	RD	ROOF DRAIN W/ SECONDARY
	H.P. XX"	SLOPED INSULATION HIGH POINT (MIN. 5 1/2")
		SLOPED INSULATION CRICKET, PROVIDE 1/2\" 1'-0\" POSITIVE DRAINAGE
		MECH. CURB (W/ CRICKET), PROVIDE FLASHING PER ROOF MANUFACTURER'S DETAILS
	1/4\" 1'-0"	ROOF SLOPE
		2'-0\" x 2'-0\" ROOF MEMBRANE WALKWAY SYSTEM
		NEW EPDM ROOF SYSTEM AS SPECIFIED



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NEWBURGH, NY 12550  
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## PROJECT INFORMATION

Project Number  
13940.18  
Client Name  
NEWBURGH ENLARGED CITY  
SCHOOL DISTRICT  
Project Name  
PHASE 3: HERITAGE MIDDLE  
SCHOOL 2019 CAPITAL  
IMPROVEMENT PROJECT

Project Address  
405 Union Avenue, New Windsor, NY 12553

SED Number  
44-16-00-01-0-039-011

## PROJECT ISSUE SCHEDULE

No. Date Description

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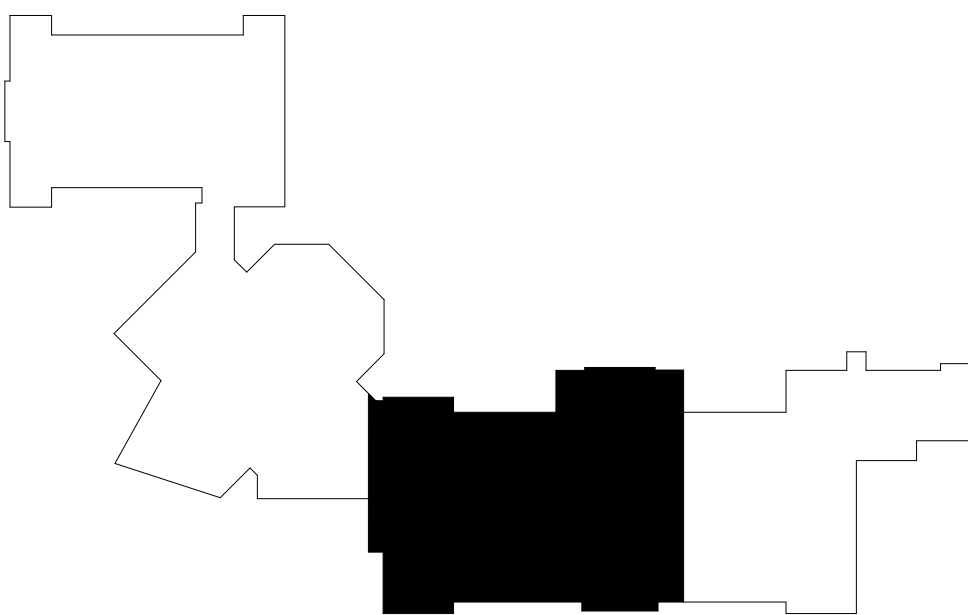
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CONSTRUCTION DOCUMENTS

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Checked By  
CPL

Drawing Title  
ROOF PLAN AREA C

Drawing Number

HMS  
A204C

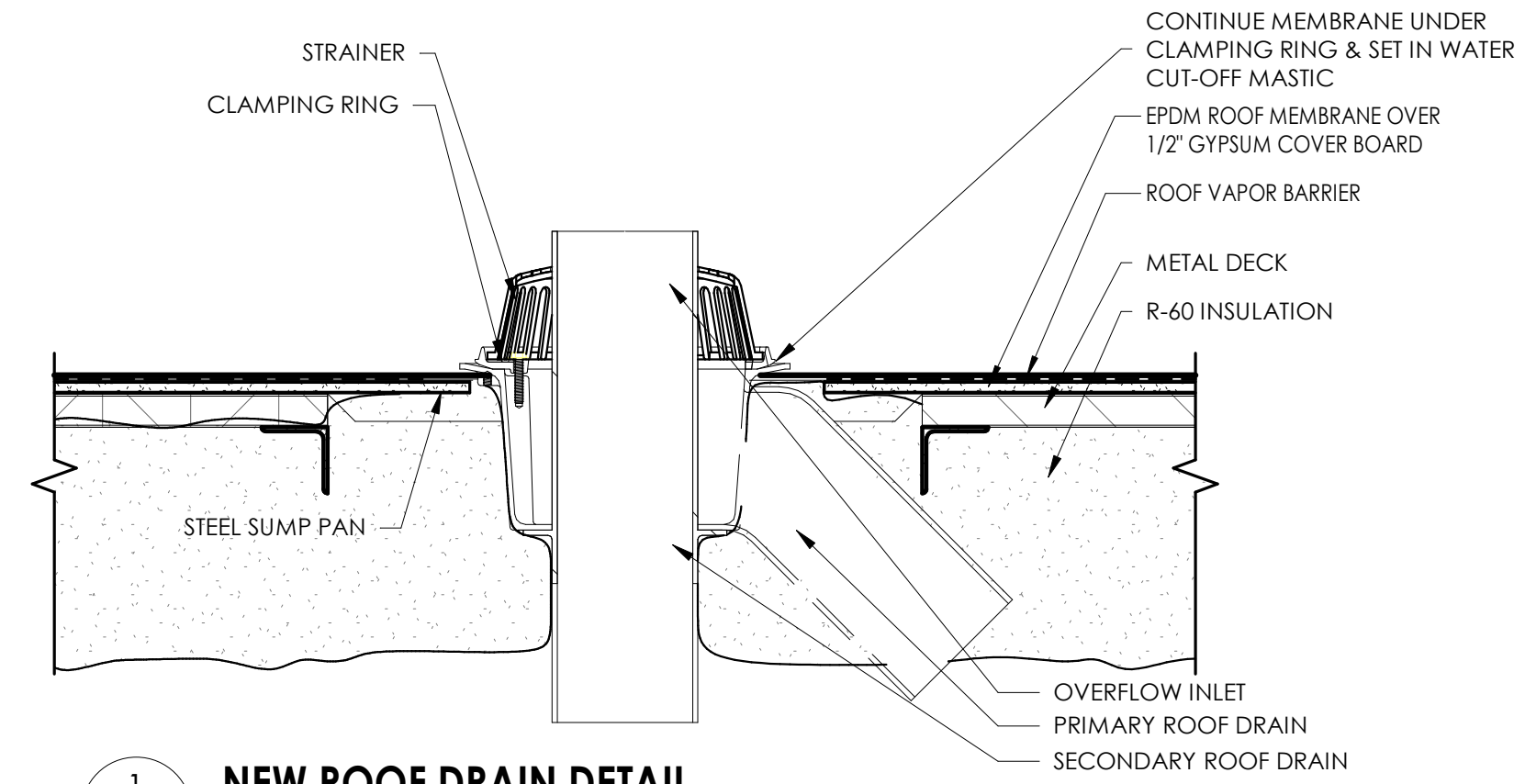




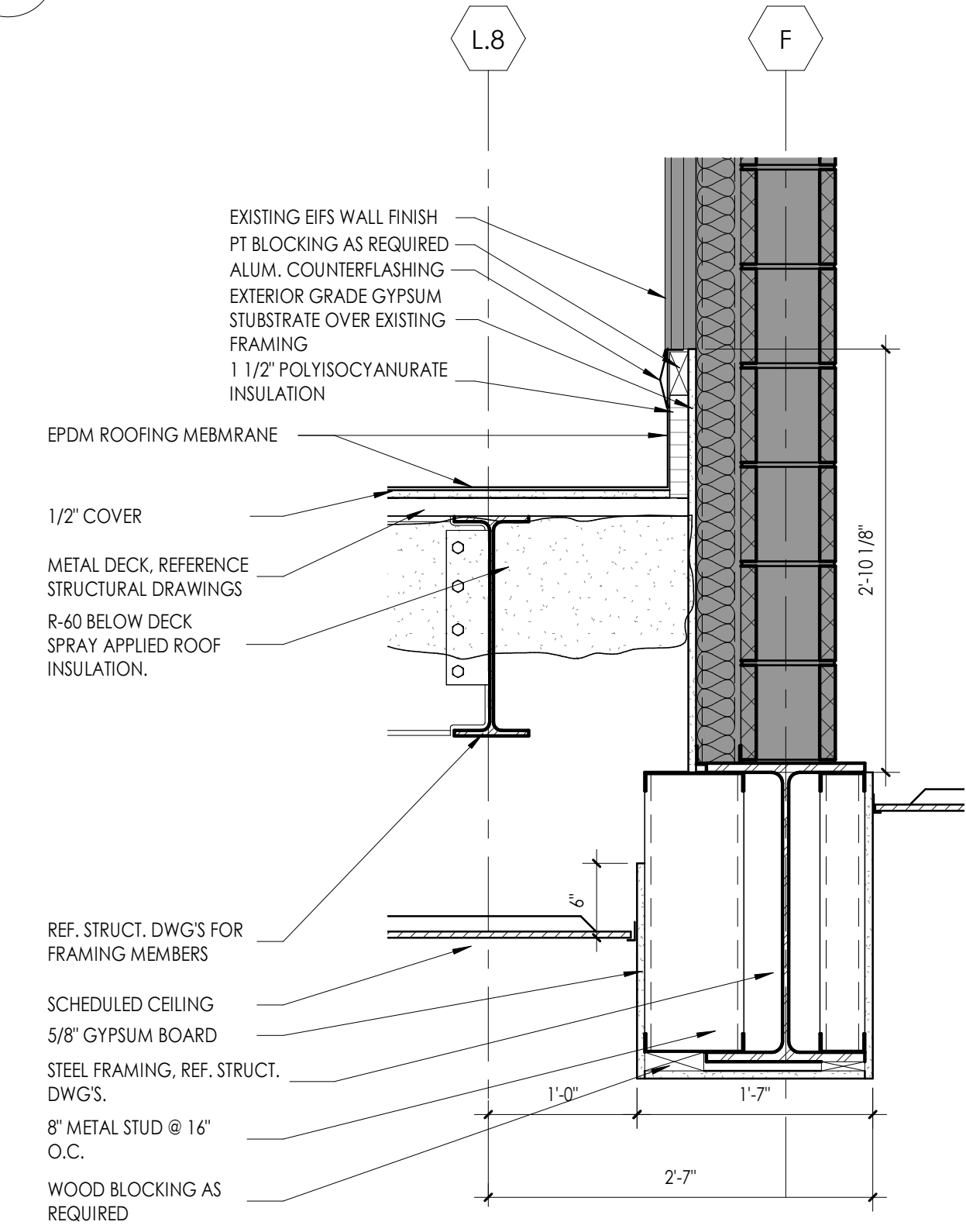




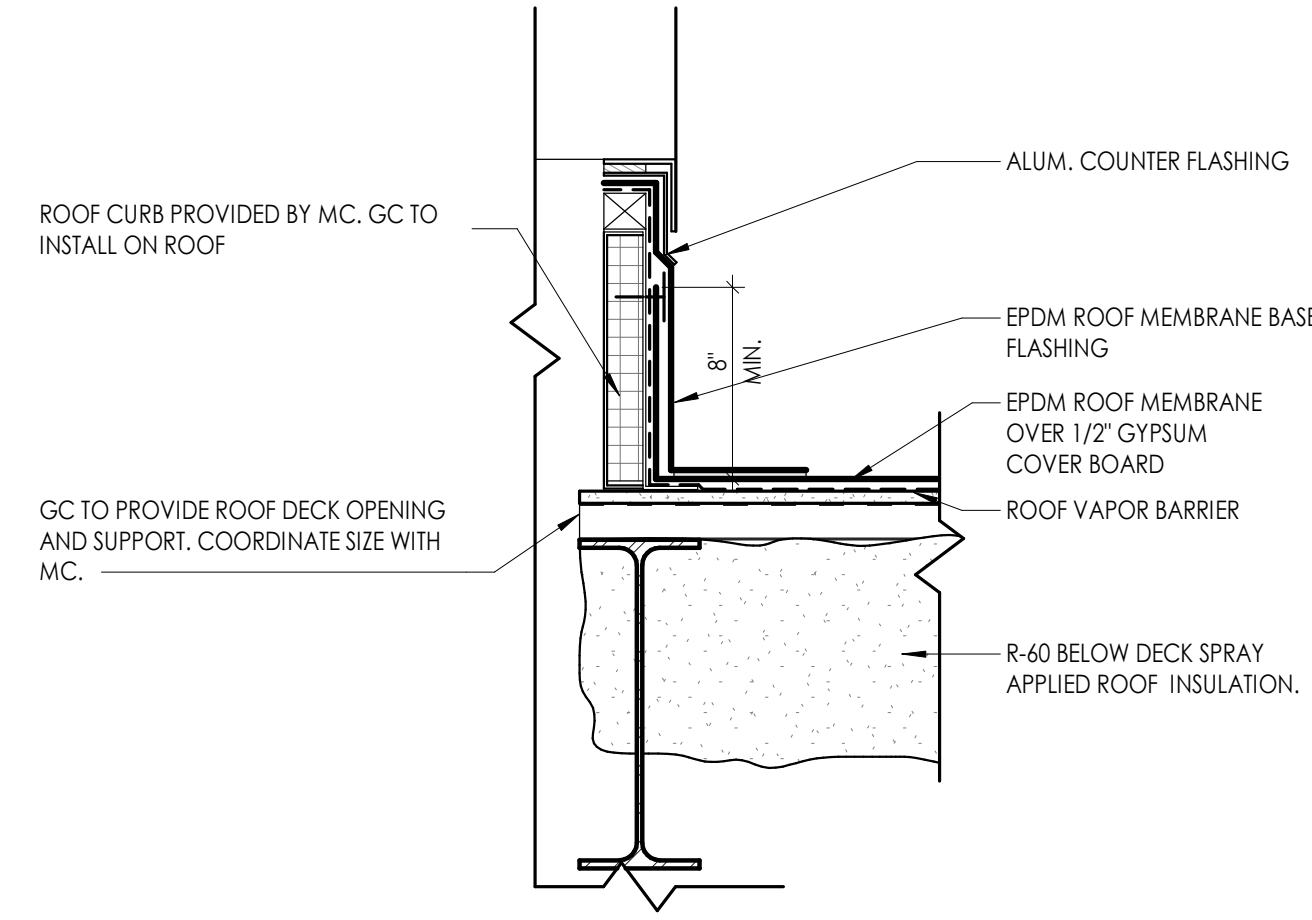
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1  
A205  
NEW ROOF DRAIN DETAIL  
1 1/2" = 1'-0"



2  
A205  
ROOF TO EXISTING WALL DETAIL  
1" = 1'-0"



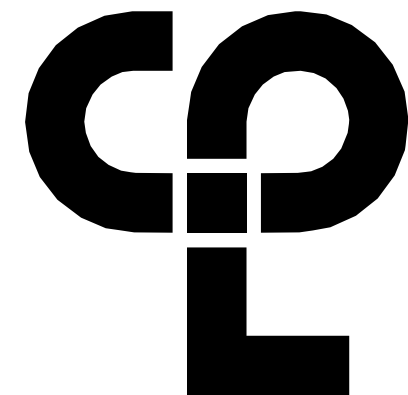
3  
A205  
TYPICAL MECHANICAL CURB-NEW ROOF  
1 1/2" = 1'-0"

PROJECT INFORMATION		
Project Number	13940.18	
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PROJECT ISSUE SCHEDULE		
No.	Date	Description
1	04/23/21	SED ADDENDA 1

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ROOF DETAILS AT NEW ROOF	





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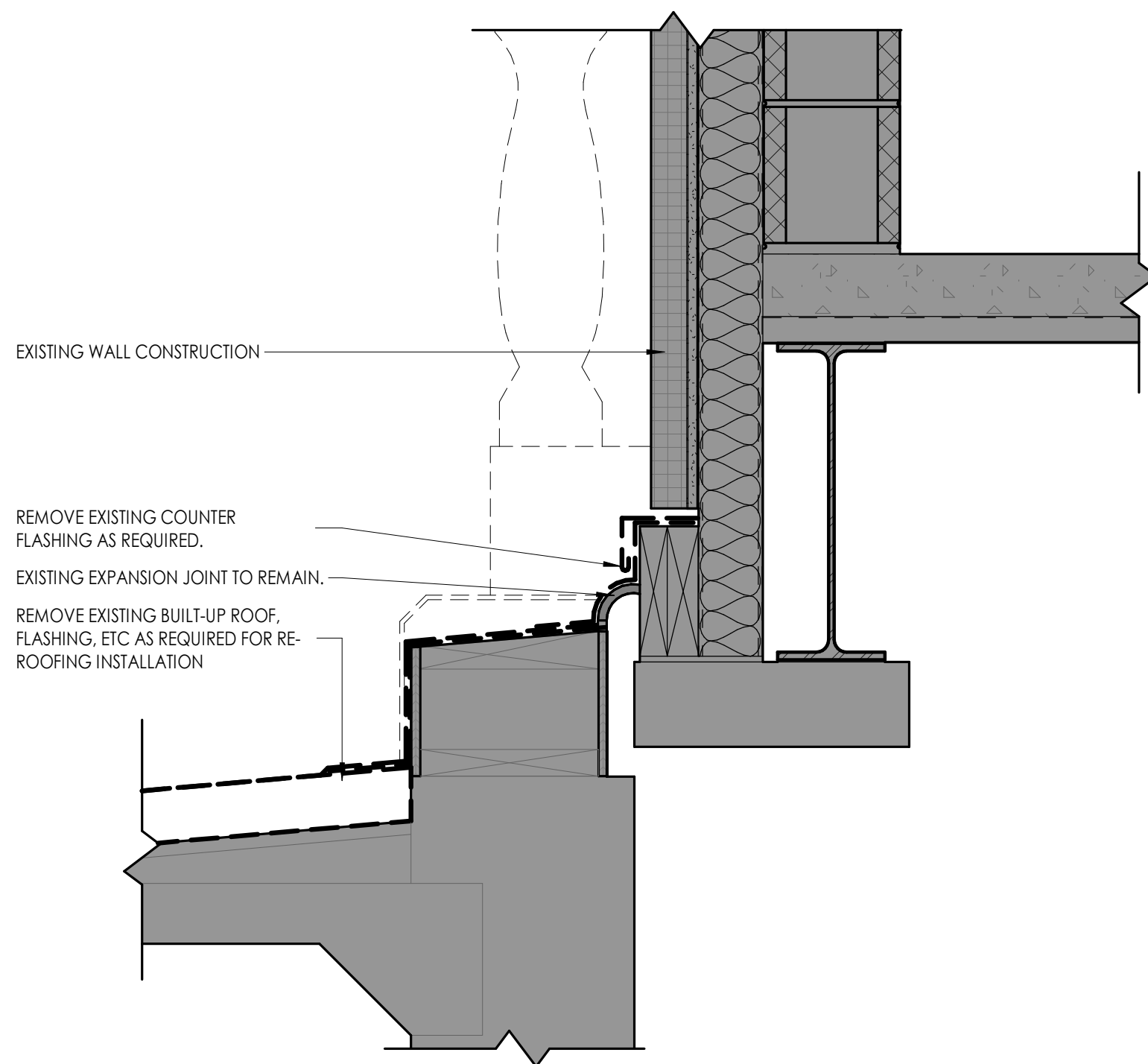
Author

Drawing Title

ROOF DETAILS AT EXISTING ROOF

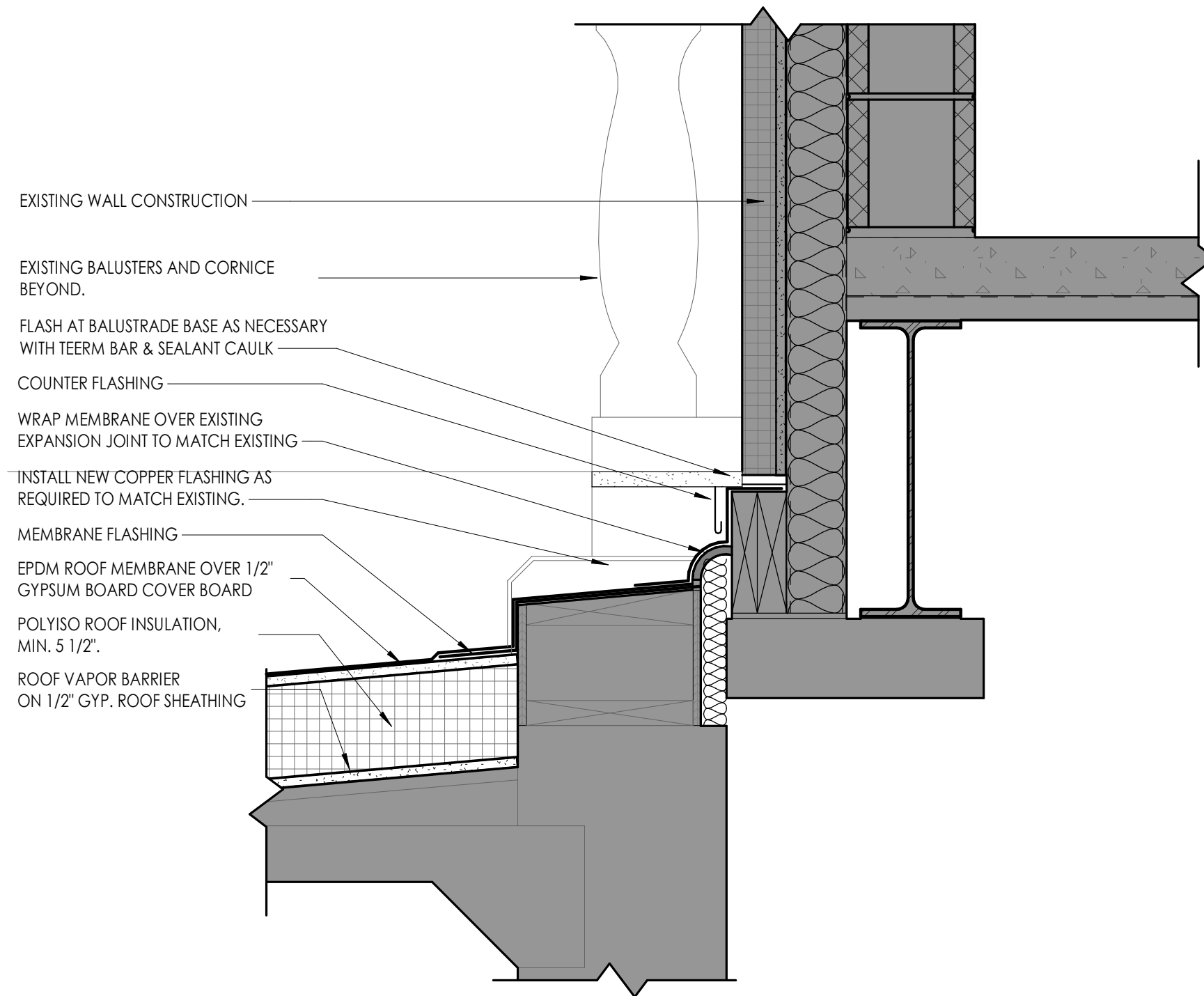
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A206



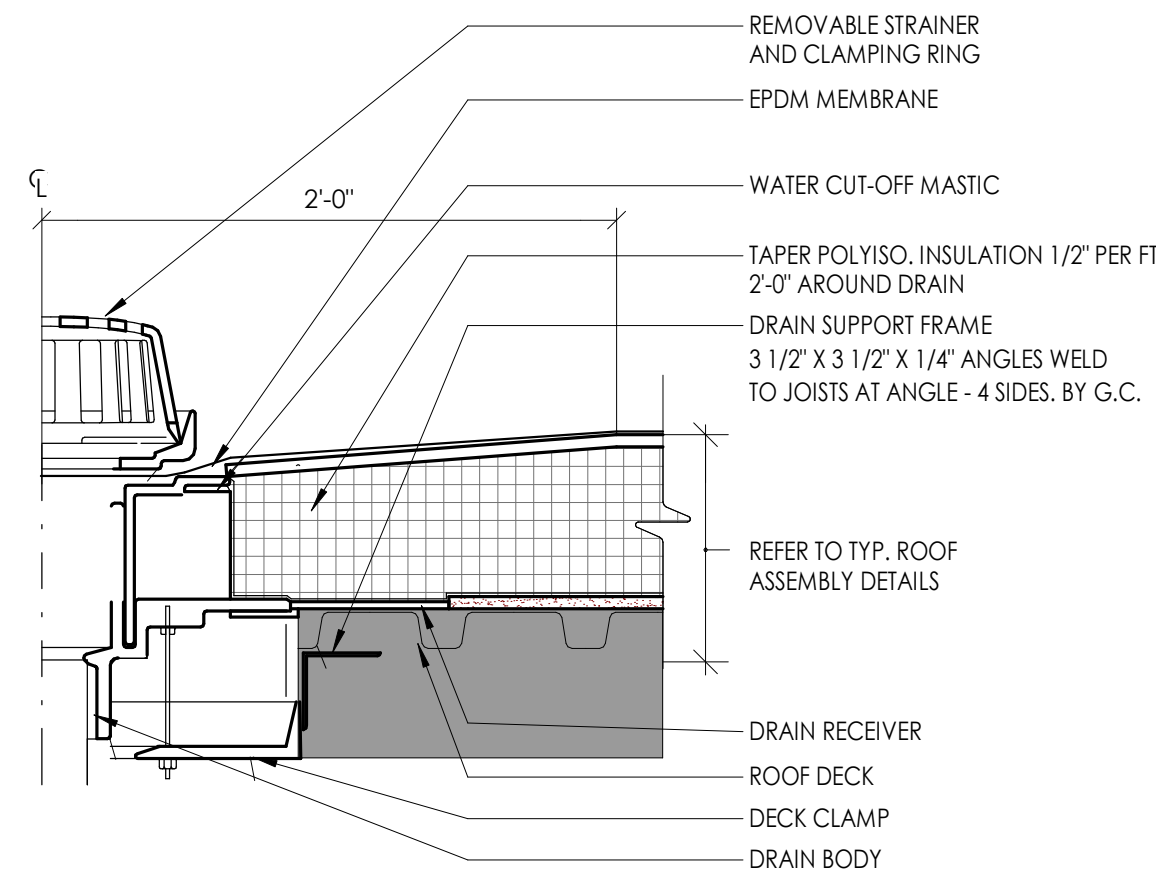
#### 1 ROOF DETAIL @ EXISTING BUILDING EJ DEMOLITION

1 1/2" = 1'-0"



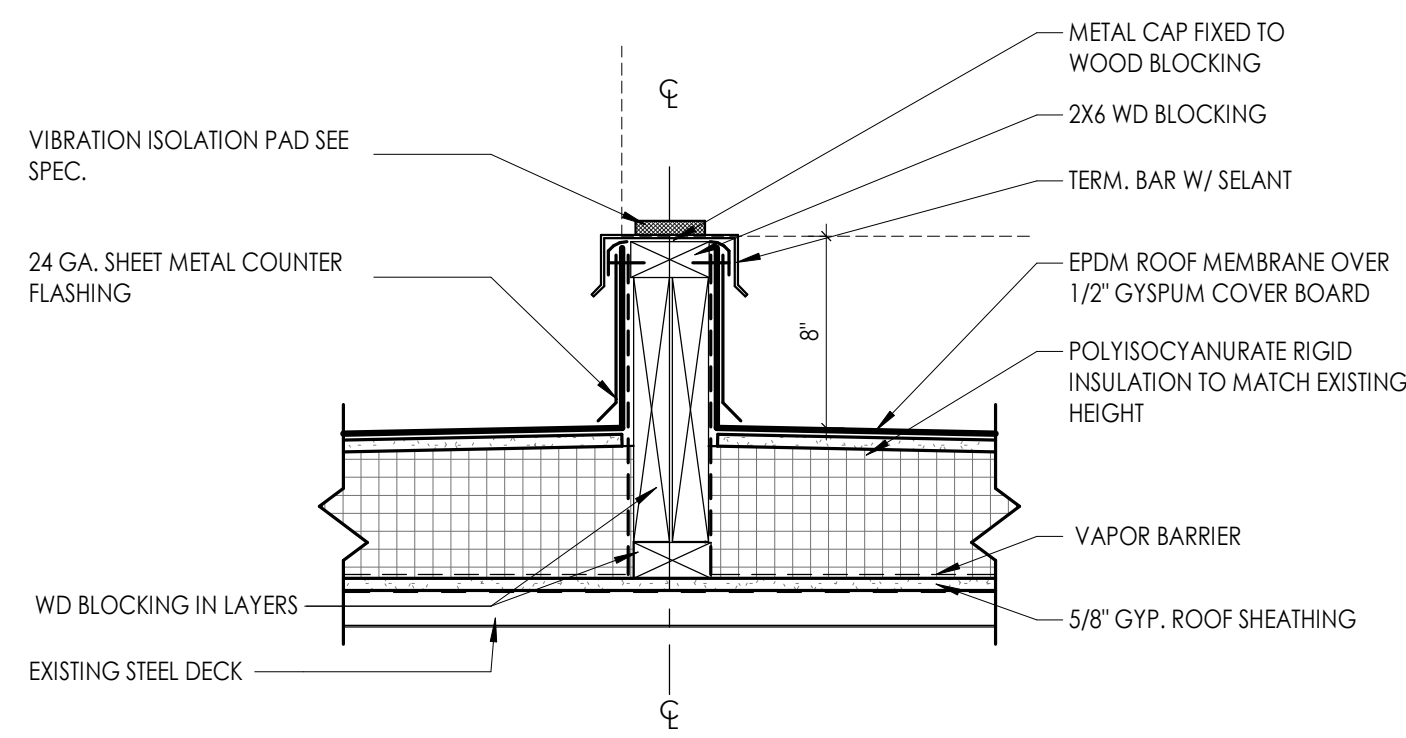
#### 2 ROOF DETAIL @ EXISTING BUILDING EJ NEW WORK

1 1/2" = 1'-0"



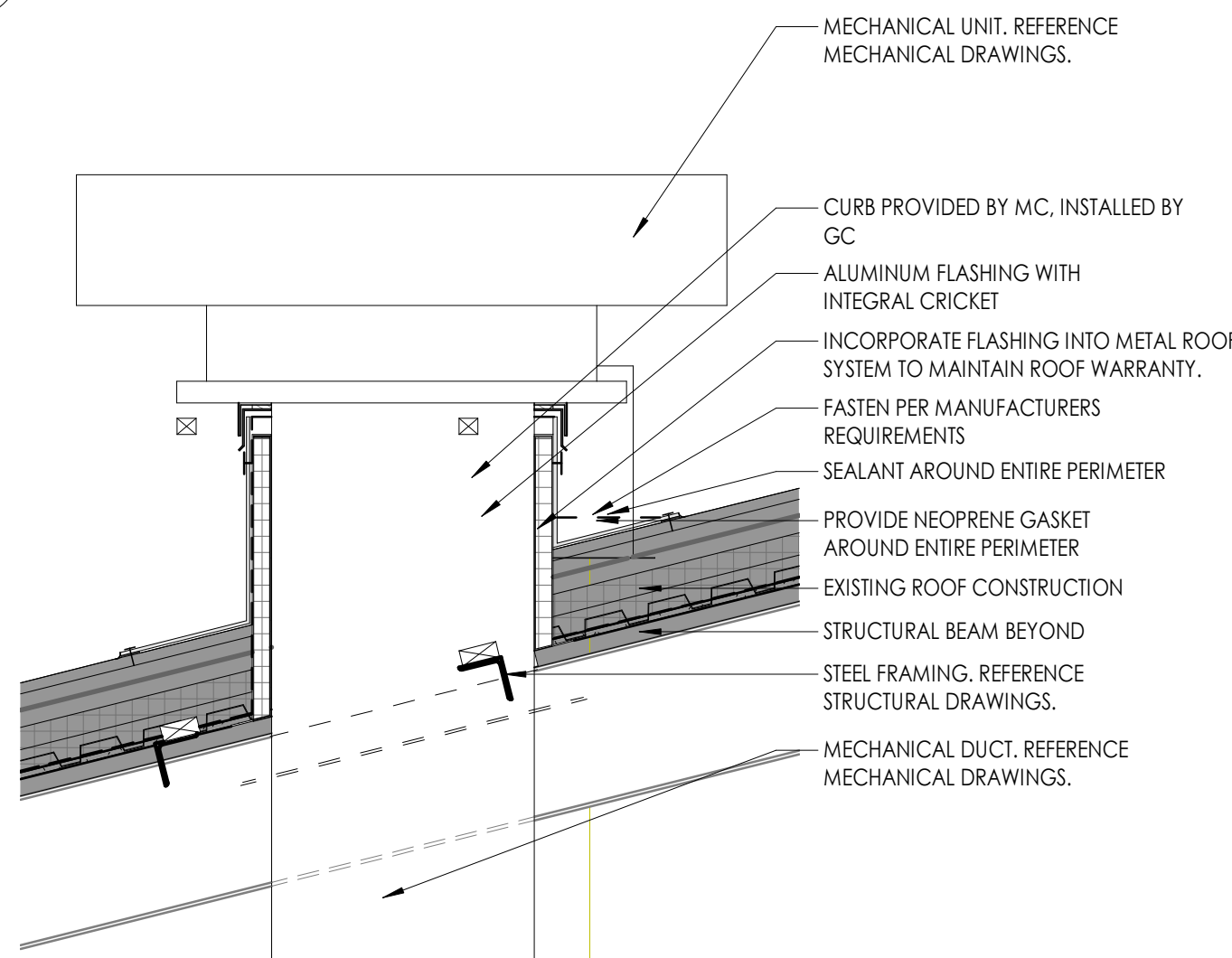
#### 3 TYP. ROOF DRAIN DETAIL

1 1/2" = 1'-0"



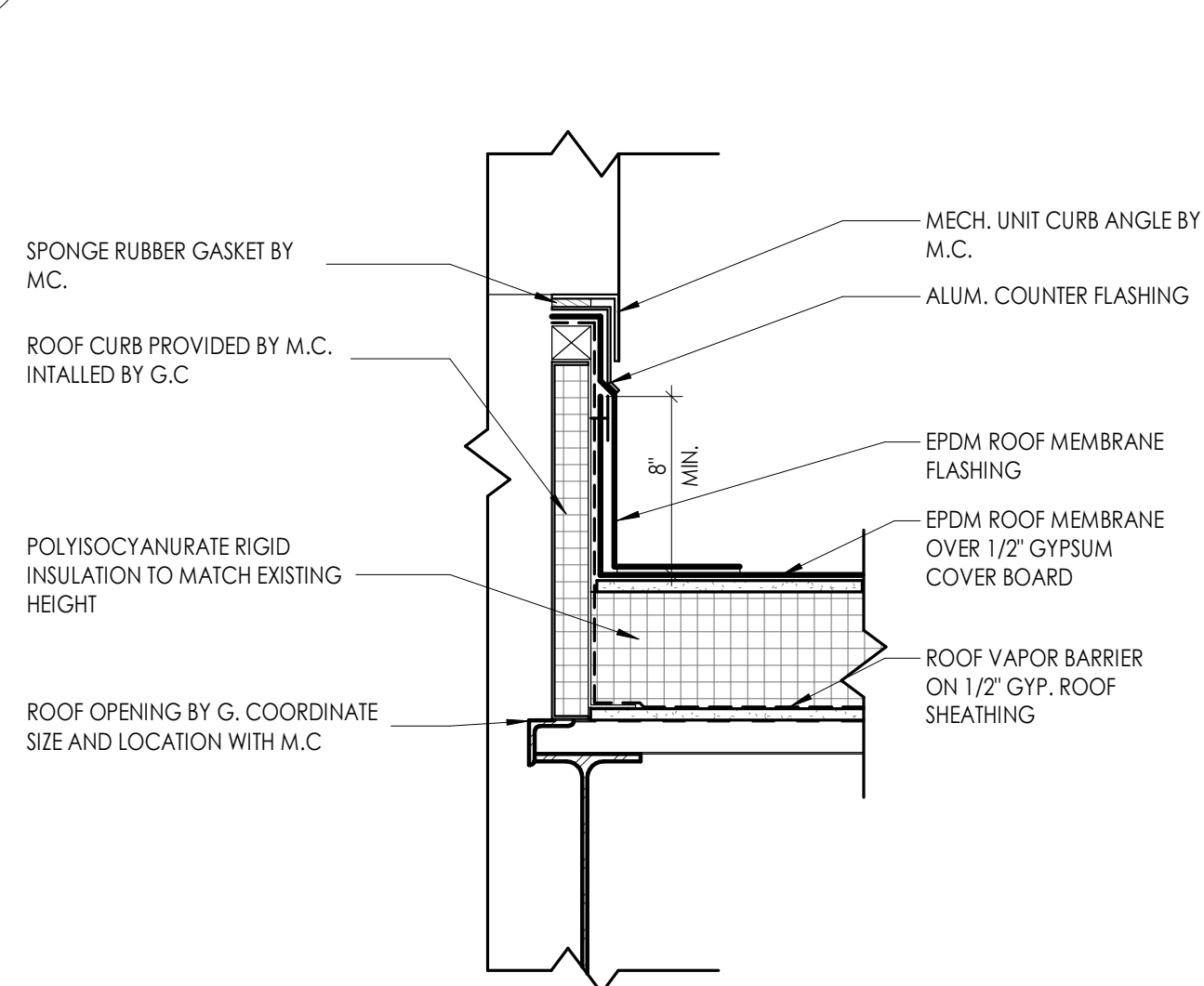
#### 4 TYPICAL ROOF EQUIPMENT RAIL DETAIL

1 1/2" = 1'-0"



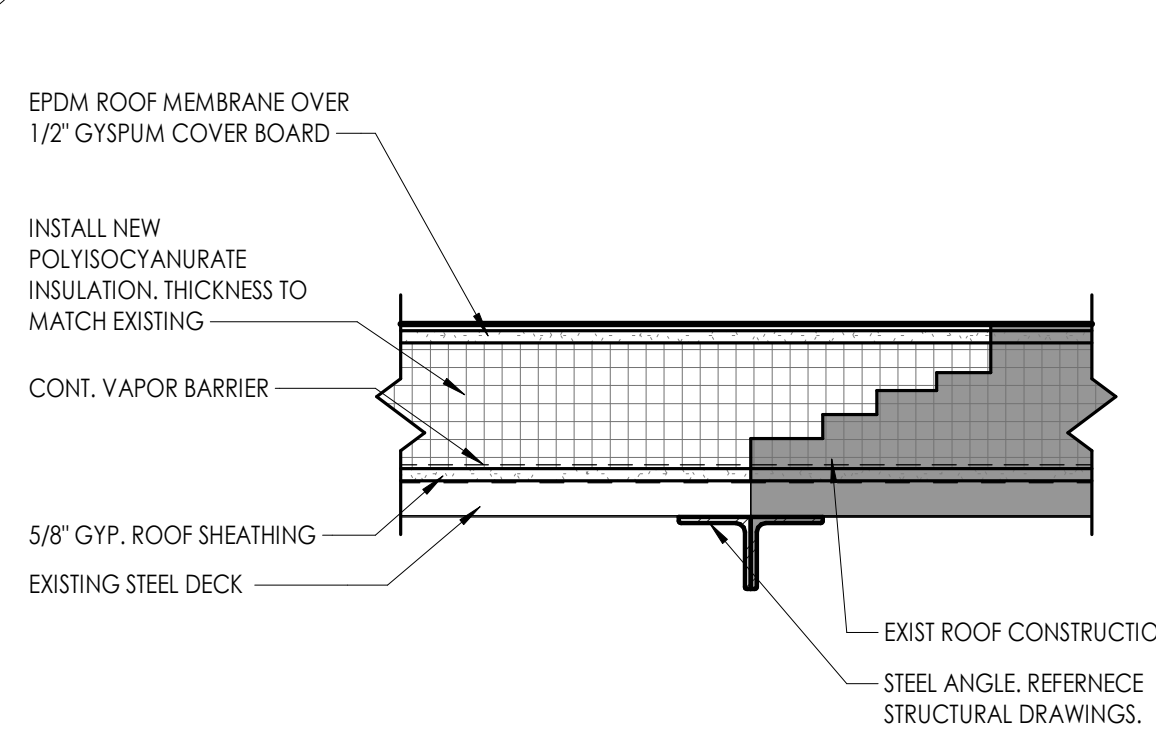
#### 5 ROOF DETAIL @ EXHAUST FAN

3/4" = 1'-0"



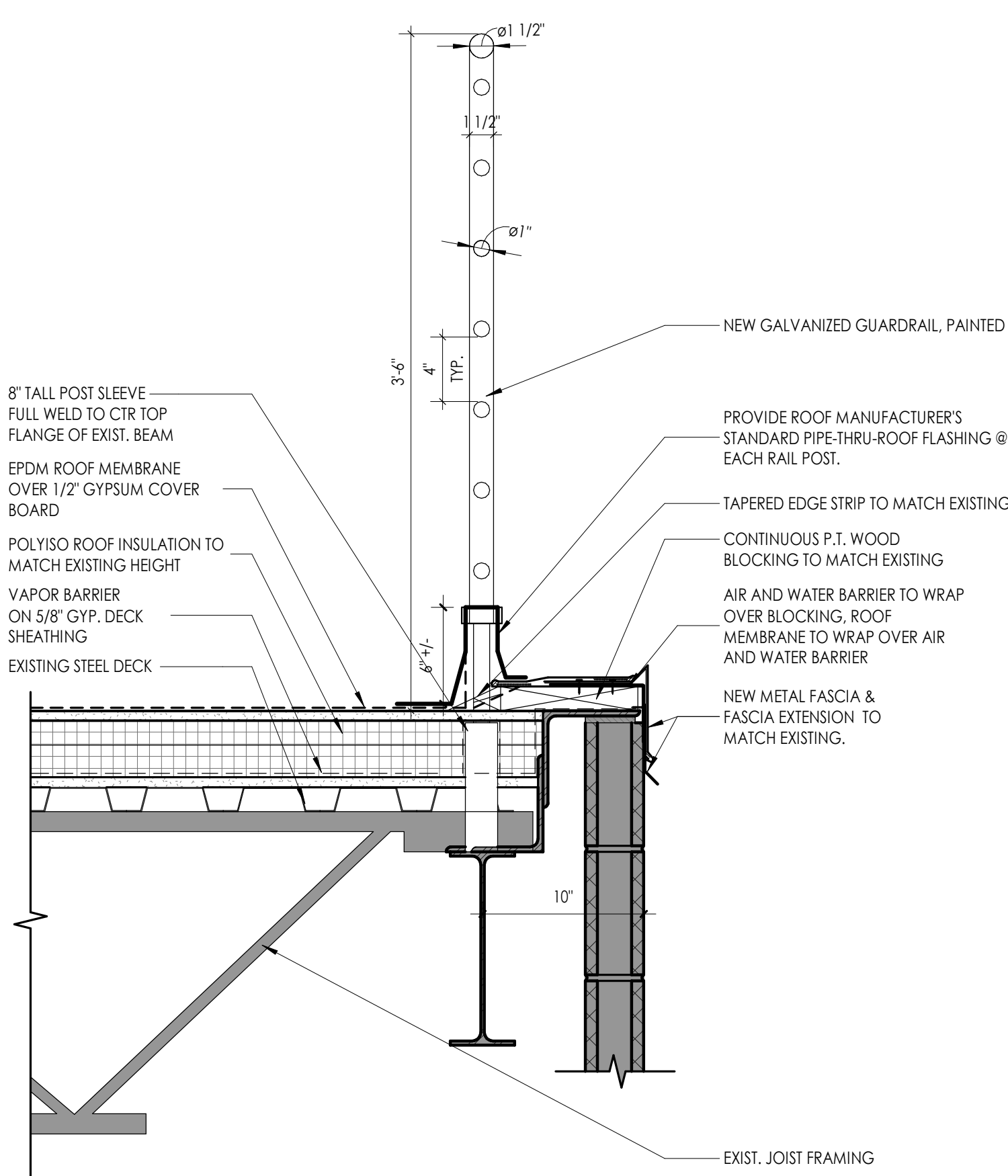
#### 6 TYPICAL MECHANICAL CURB DETAIL

1 1/2" = 1'-0"



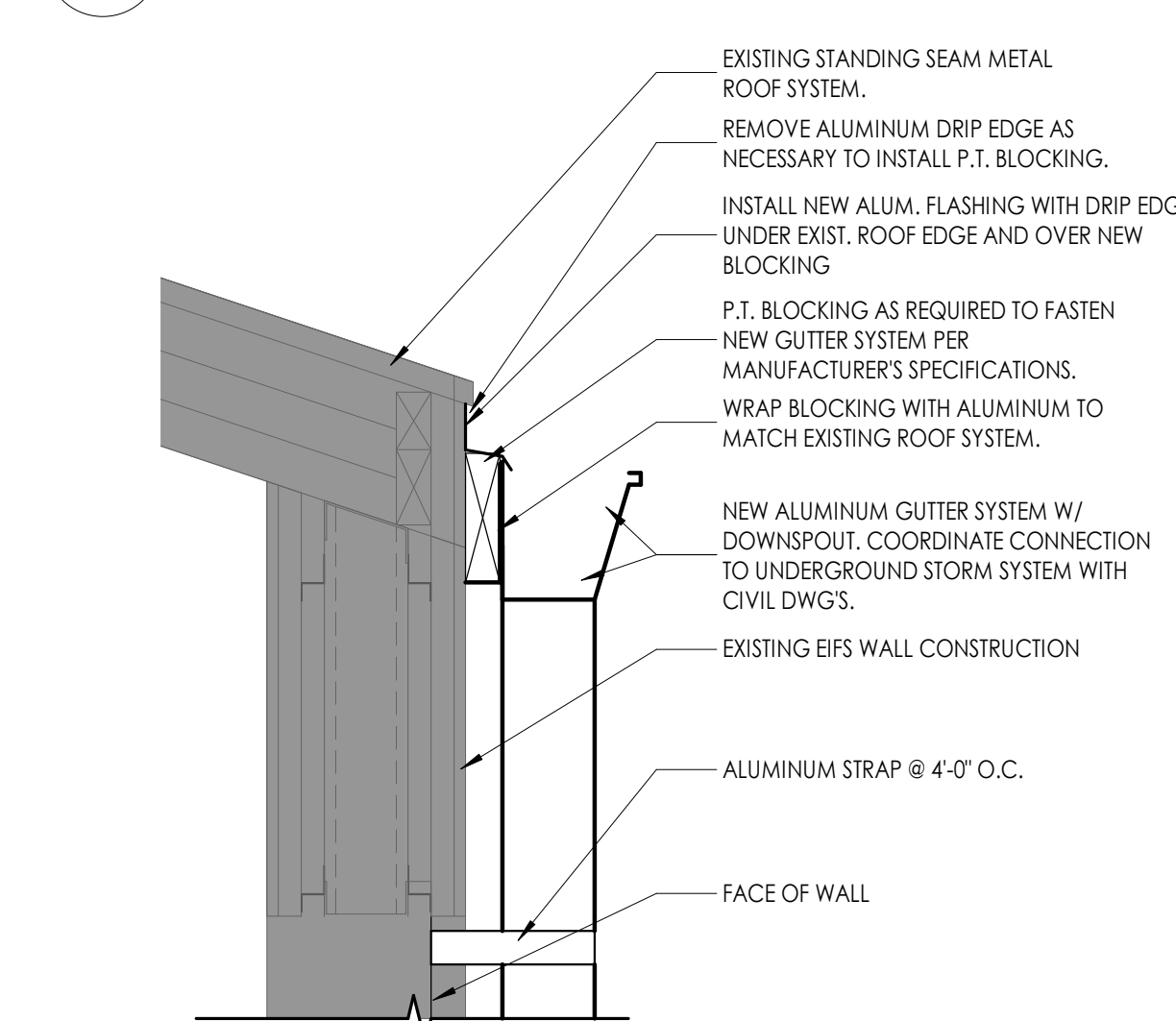
#### 7 TYPICAL OPENING ROOF INFILL DETAIL

1 1/2" = 1'-0"



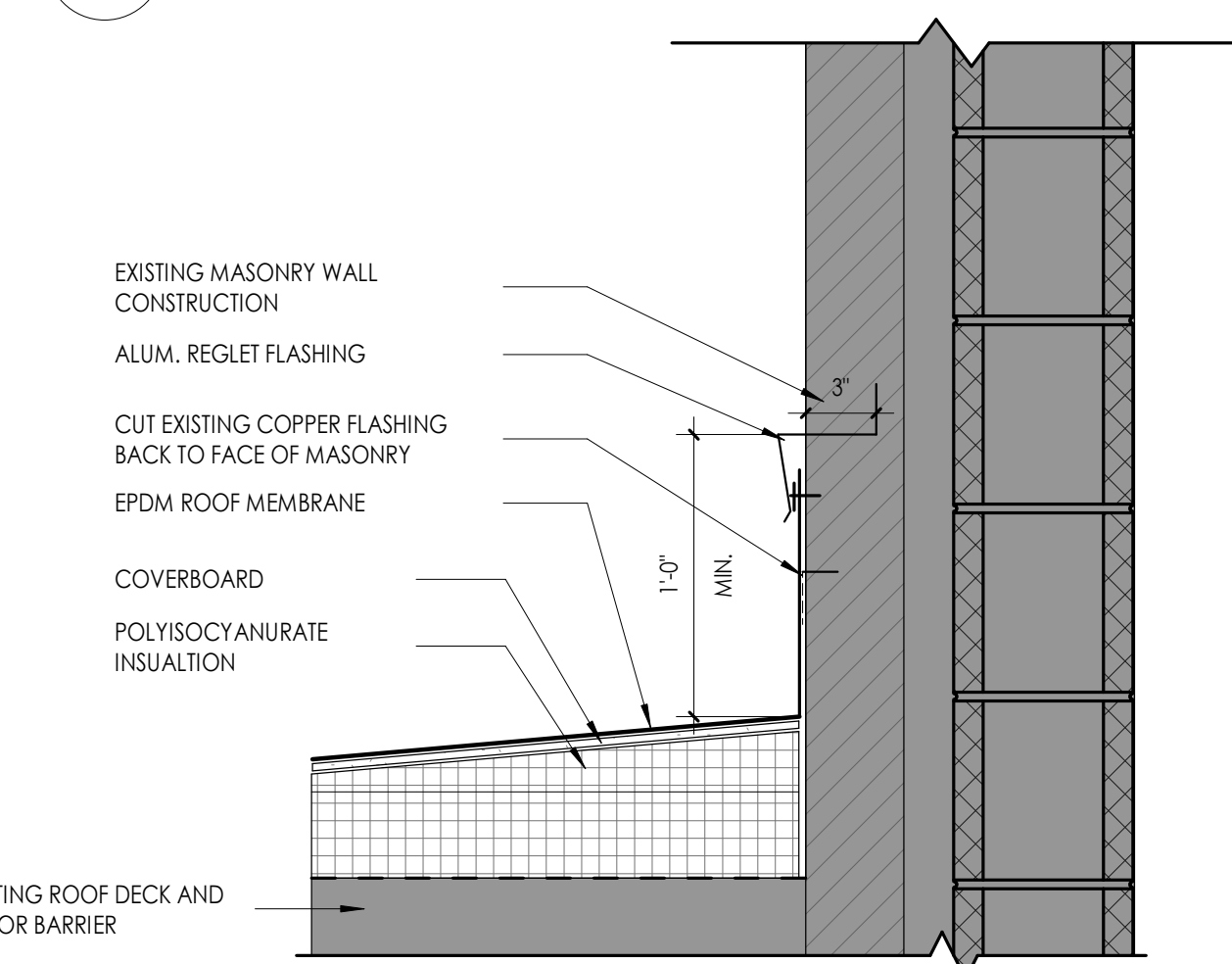
#### 8 ROOF EDGE RAILING CONNECTION DETAIL

1 1/2" = 1'-0"



#### 9 NEW GUTTER DETAIL

1 1/2" = 1'-0"

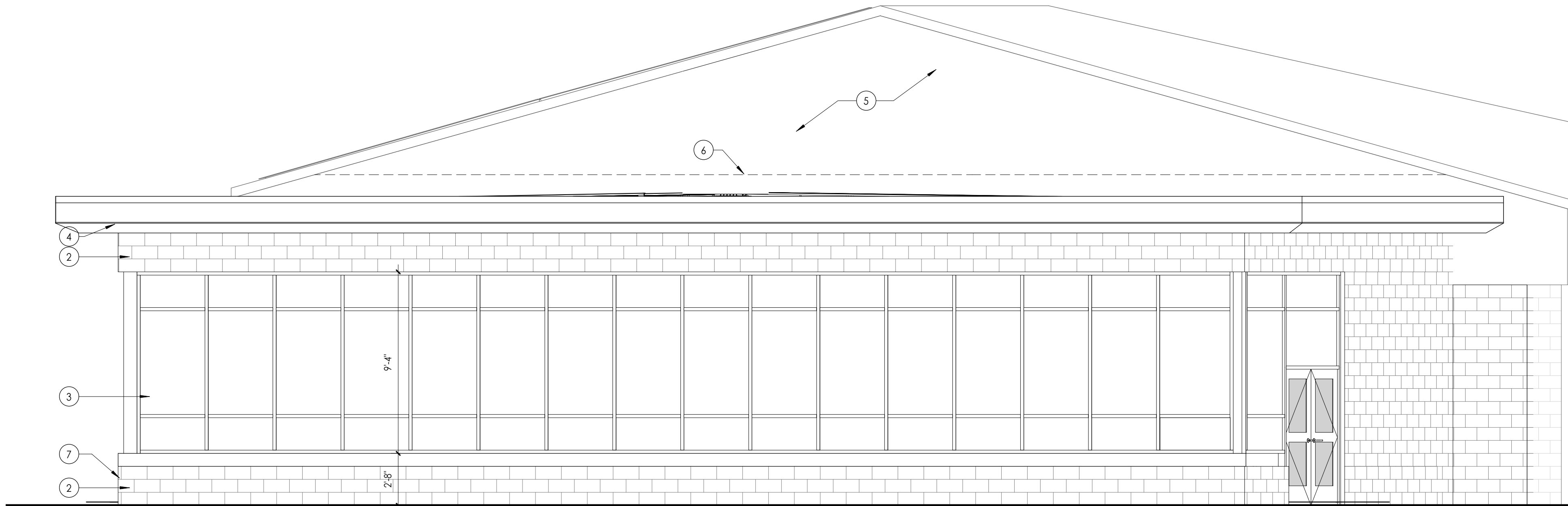


#### 10 ROOF DETAIL AT EXISTING BUILDING

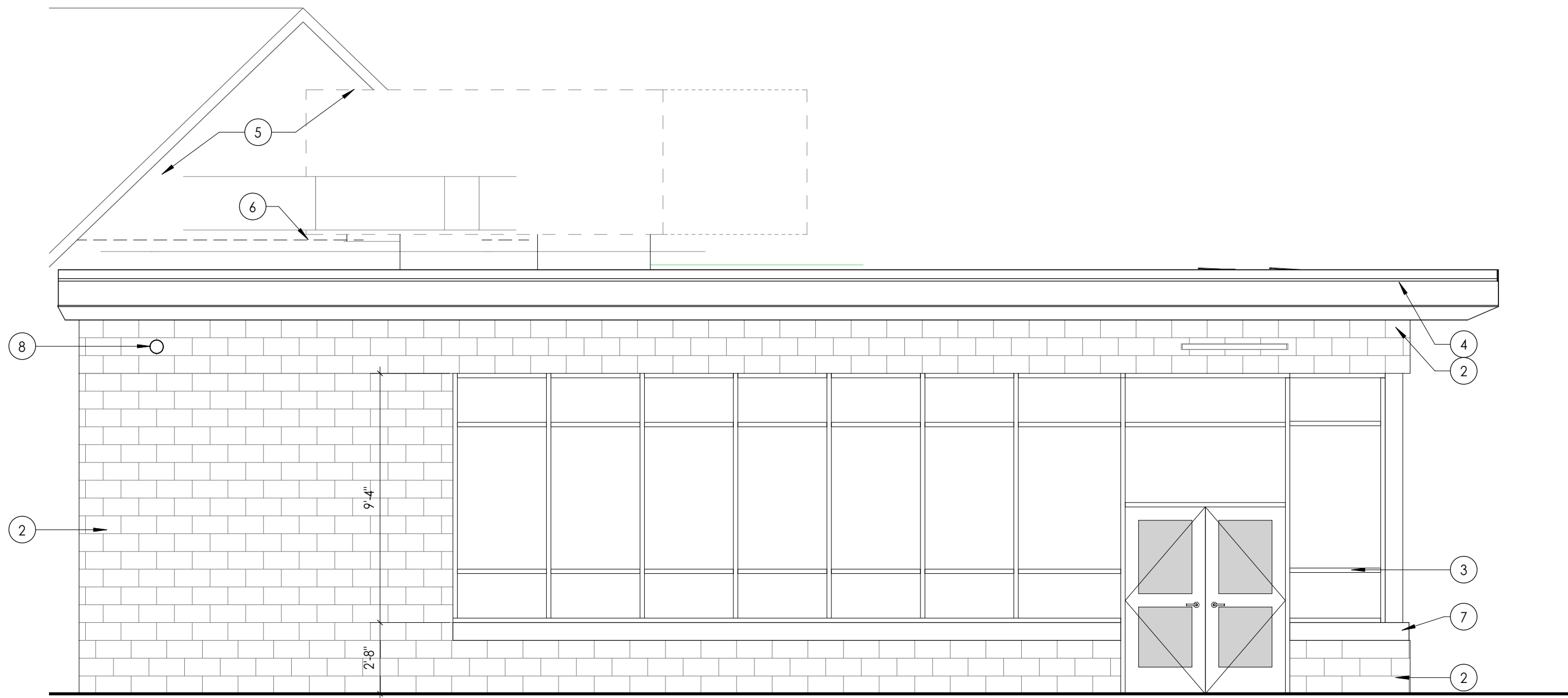
1 1/2" = 1'-0"



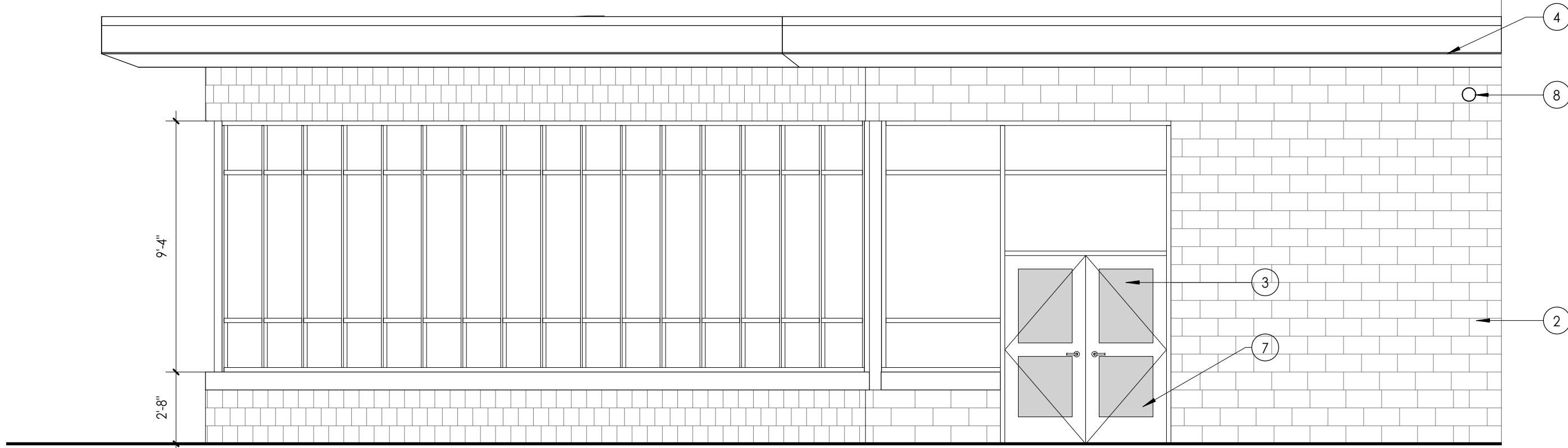
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1 SOUTH ELEVATION  
A300 1/4" = 1'-0"



2 WEST ELEVATION  
A300 1/4" = 1'-0"

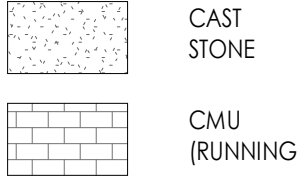


3 EAST ELEVATION  
A300 1/4" = 1'-0"

#### ELEVATION GENERAL NOTES

1. ALL DRAWINGS ARE GRAPHIC REPRESENTATIONS OF APPROXIMATE LOCATIONS OF EXISTING AND NEW MATERIALS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF WORK.
2. MASONRY OPENING ARE APPROXIMATE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL CONDITIONS.
3. REFER TO A900'S DRAWINGS FOR DOOR, FRAME, AND WINDOW TYPES.
4. PROVIDE ALL LOUVER OPENINGS AS REQUIRED. COORDINATE WITH MECHANICAL CONTRACTOR FOR FINAL SIZE AND LOCATION.
5. ARCHITECTURAL ELEVATION 0' -0" EQUALS CIVIL DATUM OF XXX.XX'
6. CONTROL JOINT = CJ
7. SOFT JOINT = SJ
8. EXPANSION JOINT = EJ
9. BUILDING EXPANSION JOINT = BEJ

#### ELEVATION LEGEND



#### ELEVATION KEY NOTES

- 1 NOT USED
- 2 SPLIT FACE CMU
- 3 ALUMINUM STOREFRONT SYSTEM WITH INSULATED GLAZING
- 4 ALUMINUM SOFFIT
- 5 REFINISH EIFS TO MATCH EXISTING.
- 6 EXTENT OF EIFS DEMOLITION AT EXISTING BUILDING FACADE
- 7 8" PRECAST CONCRETE SILL
- 8 SECONDARY ROOF DRAIN OUTLET. COORDINATE WORK WITH PLUMBING CONTRACTOR.

#### PROJECT INFORMATION

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Project Name  
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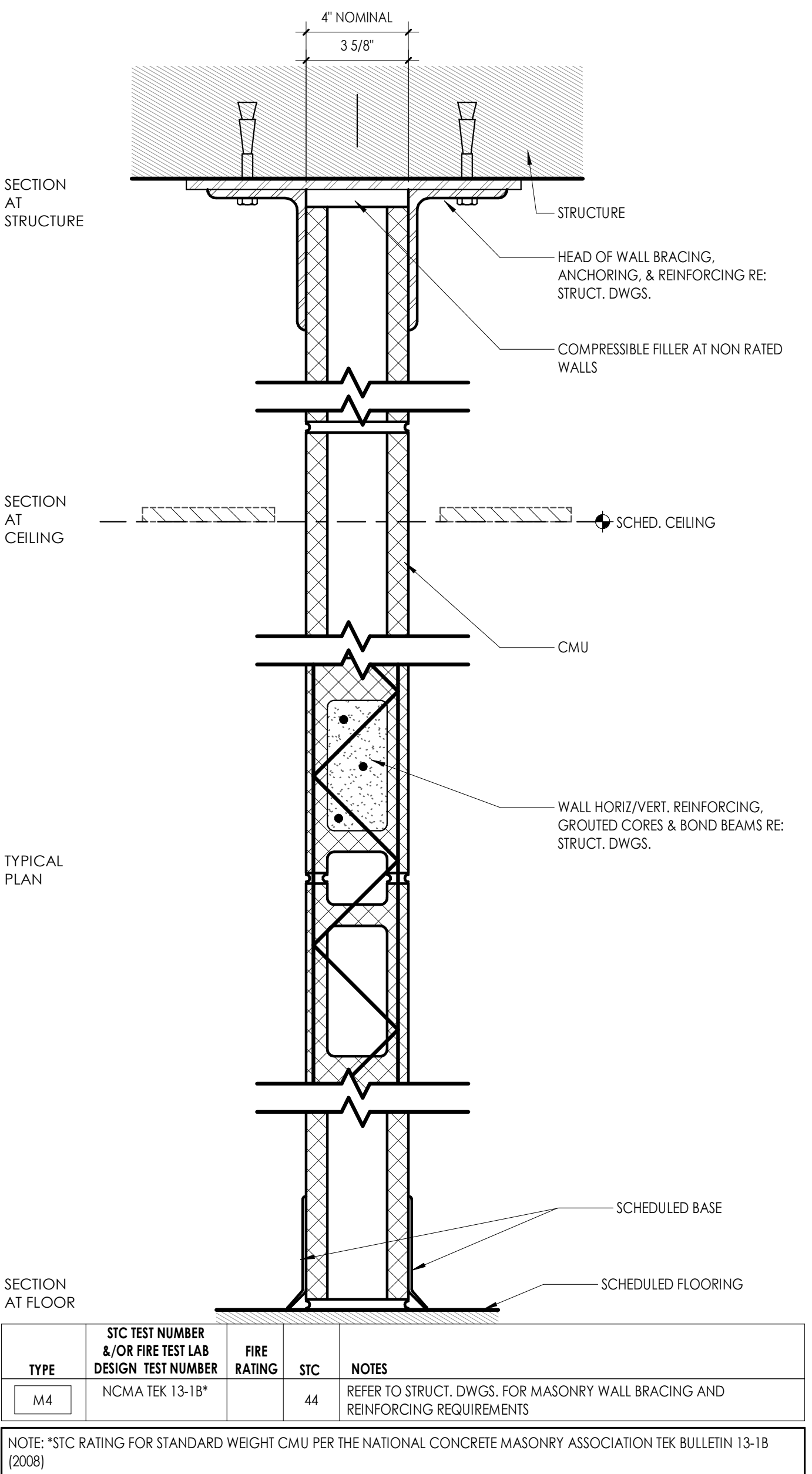
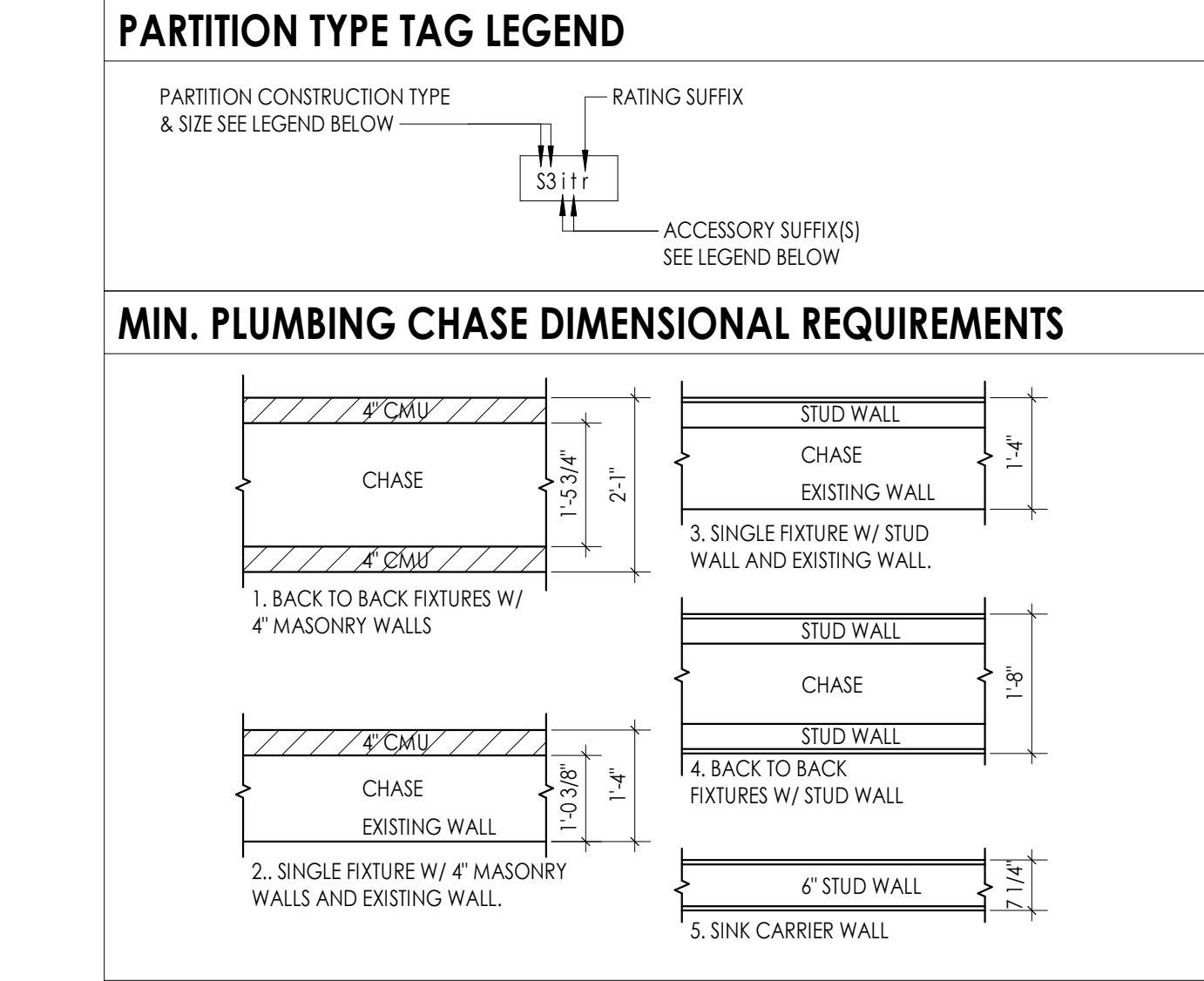
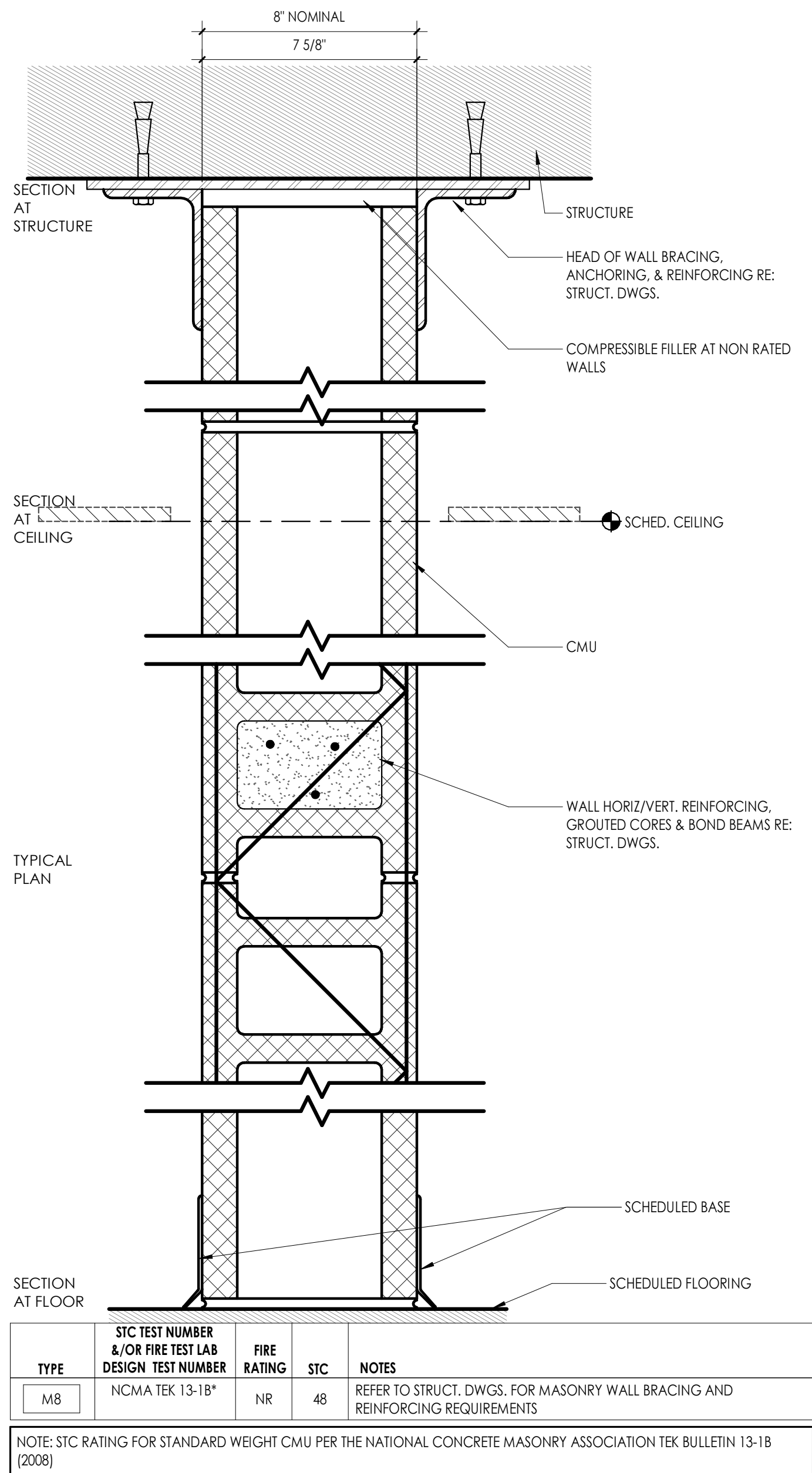
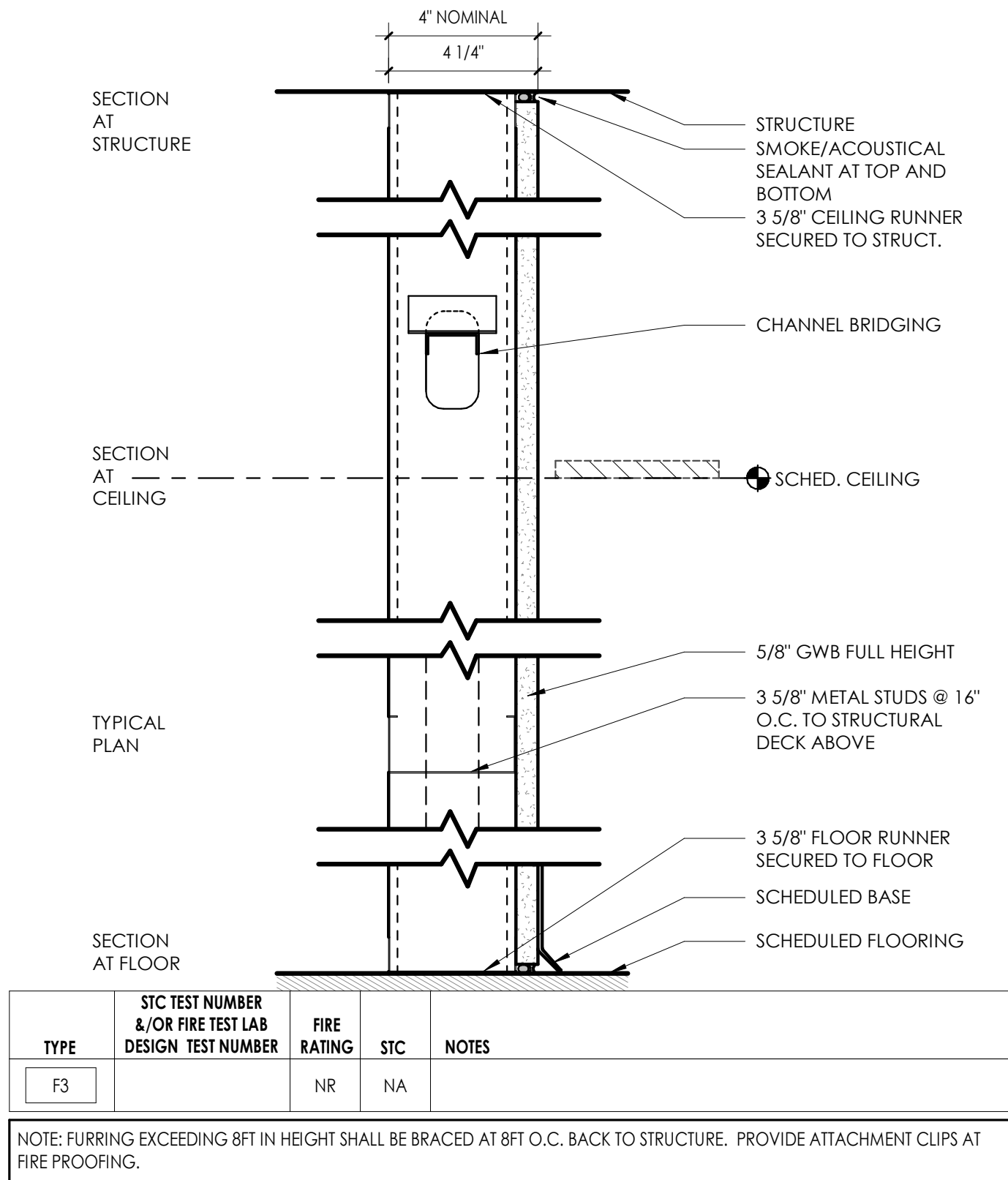
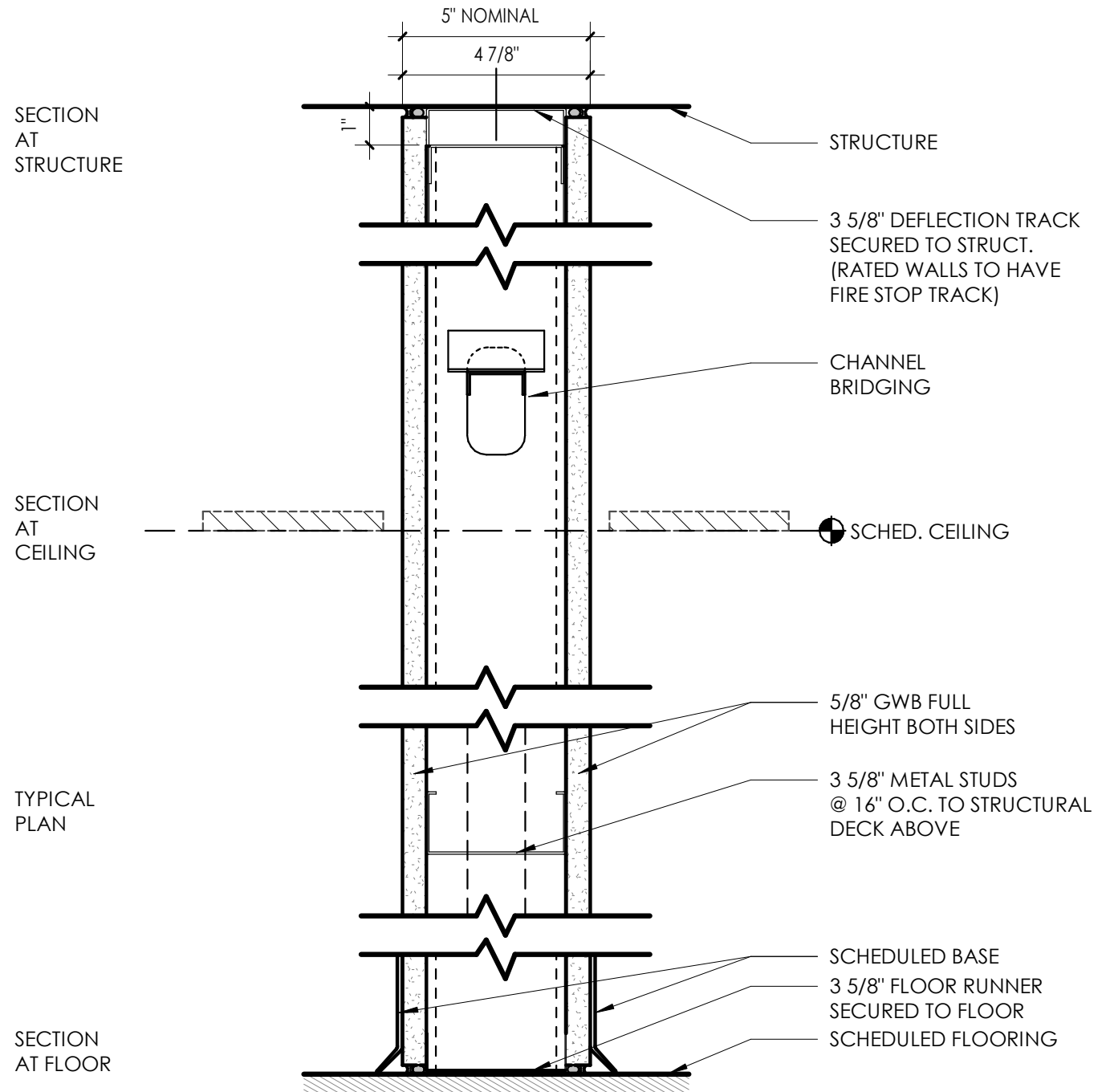
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Project Status  
CONSTRUCTION DOCUMENTS  
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CPL  
Checked By  
CPL  
Drawing Title  
BUILDING ELEVATIONS

Drawing Number

HMS  
A300





**PARTITION GENERAL NOTES**

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

**PARTITION CONSTRUCTION TYPE & SIZE LEGEND**

**S#** STEEL STUDS - FINISH BOTH SIDES

- 1 = 1 5/8" C STUD
- 2 = 2 1/2" C STUD
- 3 = 3 5/8" C STUD
- 4 = 4" C STUD
- 6 = 6" C STUD
- 8 = 8" C STUD

**F#** STEEL STUD FURRING - FINISH ONE SIDE

- 1 = 1 5/8" C STUD
- 2 = 2 1/2" C STUD
- 3 = 3 5/8" C STUD
- 4 = 4" C STUD
- 6 = 6" C STUD
- 8 = 8" C STUD

**W#** STEEL STUD SHAFT WALL ASSEMBLY

- 2 = 2 1/2" CH SHAFT WALL STUD
- 4 = 4" CH SHAFT WALL STUD
- 6 = 6" CH SHAFT WALL STUD

**B#** CONSTRUCTION BARRIER/TEMP WALL

- 1 = 1 5/8" C STUD
- 2 = 2 1/2" C STUD
- 3 = 3 5/8" C STUD
- 4 = 4" C STUD
- 6 = 6" C STUD
- 8 = 8" C STUD

**M#** CONCRETE MASONRY UNIT

- 4 = 4" NOMINAL CMU
- 6 = 6" NOMINAL CMU
- 8 = 8" NOMINAL CMU
- 10 = 10" NOMINAL CMU
- 12 = 12" NOMINAL CMU

**L#** LUMBER (WOOD) STUDS - FINISH BOTH SIDES

- 4 = 2"x4" NOMINAL LUMBER WOOD STUDS
- 6 = 2"x6" NOMINAL LUMBER WOOD STUDS
- 8 = 2"x8" NOMINAL LUMBER WOOD STUDS

**LF#** LUMBER (WOOD) STUD FURRING - FINISH ONE SIDE

- 4 = 2"x4" NOMINAL LUMBER WOOD STUDS
- 6 = 2"x6" NOMINAL LUMBER WOOD STUDS
- 8 = 2"x8" NOMINAL LUMBER WOOD STUDS

**A** APPLIED FINISH - NON SELF SUPPORTING/ATTACHED TO OTHER STRUCTURE

**C#** RESILIENT CHANNEL - NON SELF SUPPORTING/ATTACHED TO OTHER STRUCTURE

- 1 = 1/2" RC-1 RESILIENT CHANNEL
- 2 = 1/2" RC-2 RESILIENT CHANNEL

**H#** HAT CHANNEL - NON SELF SUPPORTING/ATTACHED TO OTHER STRUCTURE

- 1 = 7/8" HAT CHANNEL
- 2 = 1 1/2" HAT CHANNEL

**Z#** ZEE-FURRING - NON SELF SUPPORTING/ATTACHED TO OTHER STRUCTURE

- 1 = 1" ZEE FURRING
- 1.5 = 1 1/2" ZEE FURRING
- 2 = 2" ZEE FURRING
- 2.5 = 2 1/2" ZEE FURRING
- 3 = 3" ZEE FURRING

**PARTITION TYPE SUFFIX**

**ACCESSORIES SUFFIX:**

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

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

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

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

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

g - CMU WALL GROUT CORES SOLID

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

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

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

o - ADD ADDITIONAL (1) LAYER OF 5/8" FR1 PLYWOOD BOLTED TO WALL FOR MOUNTING OF ELECTRICAL PANELS/EQUIPMENT WHERE NOTED ON ELEC. DWGS.

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

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

p - LEAD SHIELDING REFER TO PHYSICIST REPORT FOR REQUIREMENTS

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

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

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

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

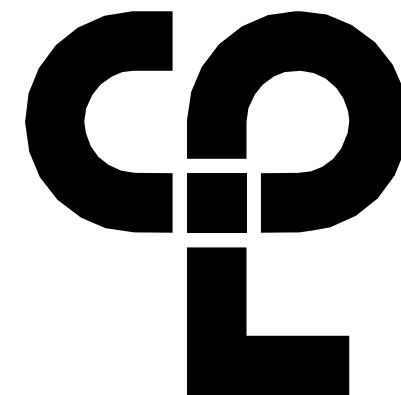
**RATING SUFFIX:**

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

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

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

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



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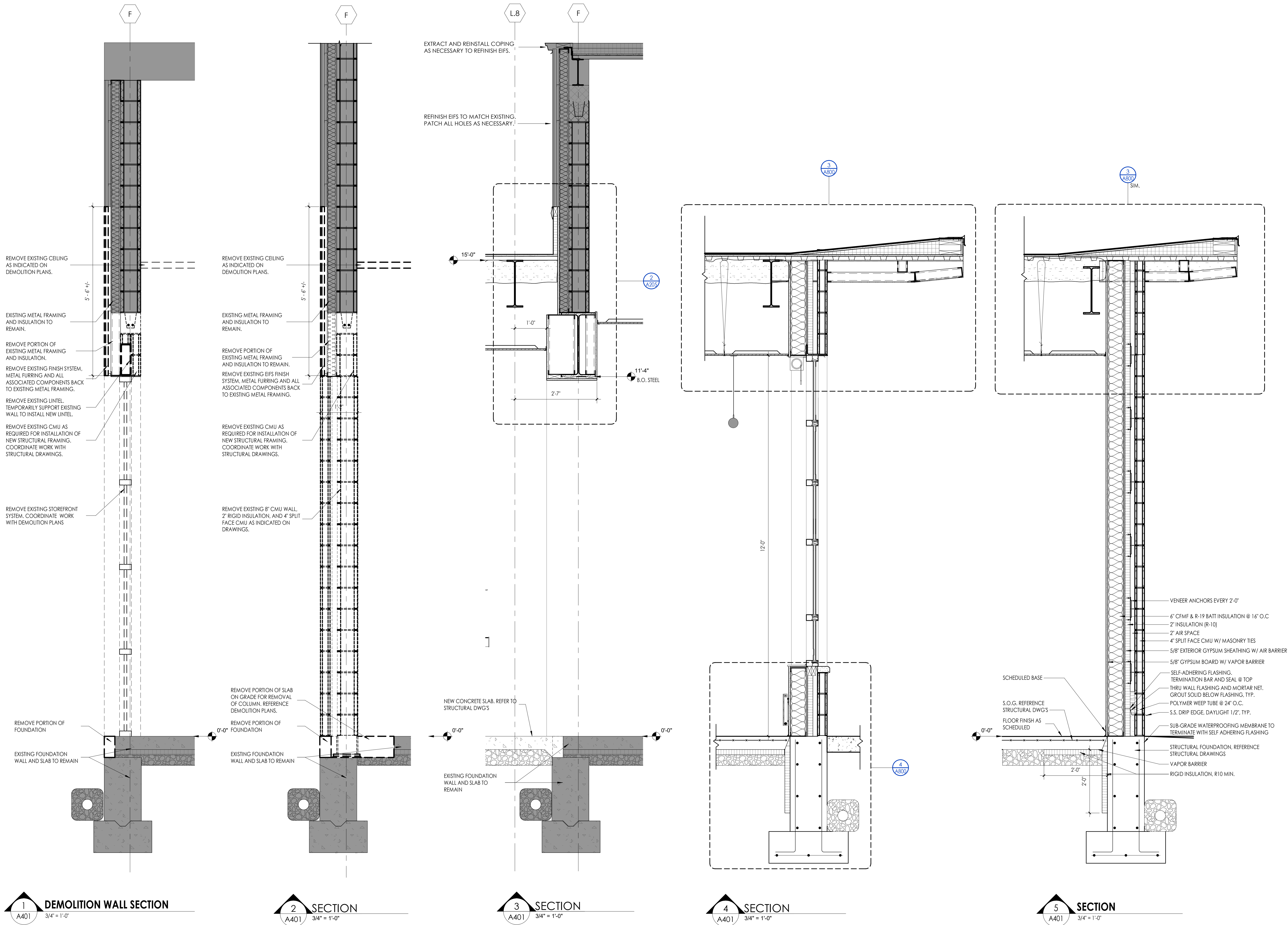
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WALL TYPES

Drawing Number

HMS  
A400



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No.	Date	Description
1	04/23/21	SED ADDENDA 1

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

SHEET INFORMATION		
Issued	9/9/2021	
Scale	3/4" = 1'-0"	
Project Status	CONSTRUCTION DOCUMENTS	
Drawn By	CPL	Checked By
Drawing Title	WALL SECTIONS	





## GENERAL CEILING NOTES

1. ALL DRAWINGS ARE GRAPHIC REPRESENTATION OF APPROXIMATE LOCATIONS OF NEW MATERIALS FOR CONSTRUCTION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY ALL CONDITIONS PRIOR TO COMMENCEMENT OF WORK.
2. REFER TO A300 SERIES FOR FLOOR PLAN.
3. FOR ANY DISCREPANCY BETWEEN THE REFLECTED CEILING PLAN AND THE FLOOR PLAN, THE FLOOR PLAN SHALL TAKE PRECEDENCE. ANY DISCREPANCIES SHALL BE CALLED TO THE ATTENTION OF THE ARCHITECT.
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6. REFER TO "H" SERIES DRAWINGS FOR DIFFUSERS AND GRILLE LOCATIONS.
7. REFER TO "E" SERIES DRAWINGS FOR LIGHTING TYPES AND CONTROLS.
8. REFER TO "P" SERIES DRAWINGS FOR SPRINKLER HEAD LOCATIONS.
9. WORK AREAS SHALL BE MAINTAINED AND ALL WORK AREAS SHALL BE LEFT BROOMED CLEAN AT THE END OF EACH DAY.
10. CENTER CEILING GRID (EACH WAY) IN ROOMS SCHEDULED TO RECEIVE ACOUSTICAL CEILING SYSTEMS UNLESS OTHERWISE NOTED.
11. CONTRACTOR TO VERIFY WITH ARCHITECT THE INSTALLATION OF ANY CEILING TILES LESS THAN 4" IN WIDTH.
12. PROVIDE MOISTURE RESISTANT GYP. BD. AT ALL TOILET ROOM, JANITOR'S CLOSET AND OTHER WET LOCATION CEILING ASSEMBLIES.
13. ALL GYP. BD. CEILINGS AND SOFFITS SHALL BE PRIMED AND PAINTED SCHEDULED COLOR ON ALL FACES AND UNDERSIDE SURFACE.
14. CONTRACTOR TO VERIFY SOFFIT SIZE WITH MILLWORK SHOP DRAWINGS. PROVIDE 2" OVERHANG ON EXPOSED EDGES UNLESS NOTED OTHERWISE.
15. WHERE APPLICABLE ALL FIXTURES AND DEVICES SHALL BE CENTERED ON A CEILING TILE.
16. COORDINATE RENSTALLATION OF EXISTING CEILING TILE WITH OWNER'S REPRESENTATIVE.
17. UNDERSIDE OF SOFFIT TO MATCH FACE OF SOFFIT, PT-2, UNLESS NOTED OTHERWISE.

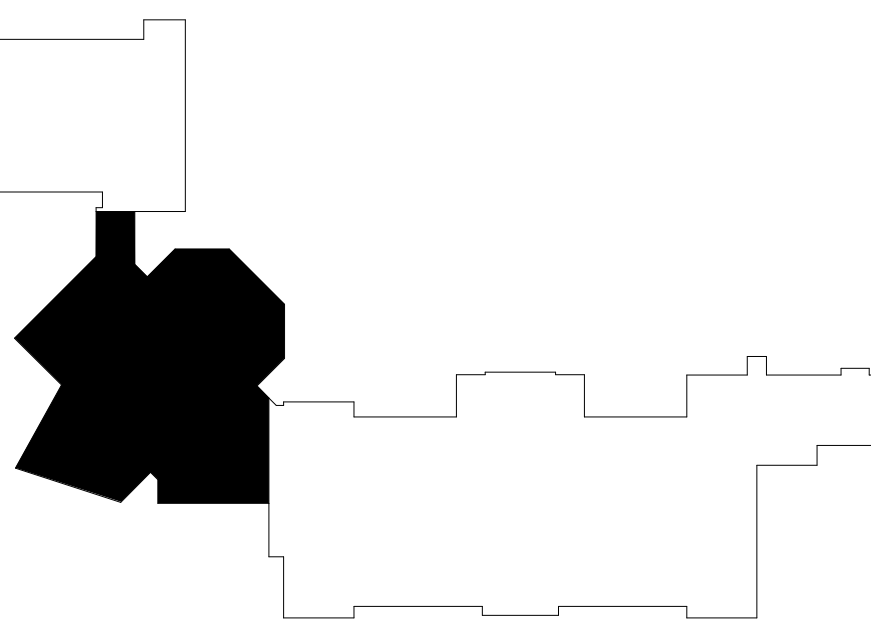
## CEILING SYMBOL LEGEND

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

- |  |                                                      |
|--|------------------------------------------------------|
|  | 2X2' LIGHT                                           |
|  | 2X4' LIGHTS                                          |
|  | LINEAR LIGHT FIXTURE                                 |
|  | PENDANT LIGHT FIXTURES                               |
|  | UNIT VENTILATOR                                      |
|  | MECHANICAL DIFFUSERS                                 |
|  | LINEAR SLOT AIR DIFFUSERS                            |
|  | GYPSUM WALL BOARD CEILING                            |
|  | ACOUSTICAL TILE CEILING                              |
|  | CEILING TYPE AND CEILING HEIGHT ABOVE FINISHED FLOOR |

## CEILING KEYNOTES

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2. PROVIDE ALUMINUM SOFFIT AT EXTERIOR. REFER TO DETAILS FOR ADDITIONAL INFORMATION.
3. PROVIDE ALUM. TRIM AROUND ENTIRE PERIMETER OF SOFFIT; REFER TO CEILING DETAILS.
4. PROVIDE ALUM. TRIM AT CEILING SYSTEM WHERE IT MEETS COVE LIGHTING POCKET. REFER TO "E" SERIES FOR COVE LIGHT INFORMATION.
5. INDICATES MECHANICAL EQUIPMENT, TYP. REFER TO "H" SERIES.
6. ALIGN SOFFIT WITH FACE OF WALL.
7. RECESSED CEILING DROP FOLDING PARTITION; REFER TO DETAIL 1/A801
8. EXISTING GYP. SOFFIT, PATCH, REPAIR AND ADJUST TO ACCOMMODATE NEW CONSTRUCTION.
9. TRANSITION TRIM BETWEEN ACT-3 AND ACT-5. NO ELEVATION CHANGE. REFER TO CEILING DETAILS FOR ADDITIONAL INFORMATION.
10. PATCH 4x8" OPENING FROM GRILL REMOVAL TO A SEAMLESS FINISH AT SOFFIT FACE. TYP. OF 4. PREP TO RECEIVE SCHEDULED PAINT.



**KEYPLAN AREA B**  
NTS

## PROJECT INFORMATION

Project Number  
13940.18  
Client Name  
**NEWBURGH ENLARGED CITY SCHOOL DISTRICT**  
Project Name  
**PHASE 3: HERITAGE MIDDLE SCHOOL 2019 CAPITAL IMPROVEMENT PROJECT**  
Project Address  
405 Union Avenue, New Windsor, NY 12553  
SED Number  
44-16-00-01-0-039-011

## PROJECT ISSUE SCHEDULE

No. Date Description

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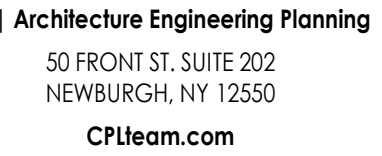
## SHEET INFORMATION

Issued  
9/9/2021  
Scale  
As indicated  
Project Status  
CONSTRUCTION DOCUMENTS  
Drawn By  
J.M.  
Checked By  
CPL  
Drawing Title  
REFLECTED CEILING PLAN  
GROUND FLOOR AREA B

Drawing Number

HMS  
A600B





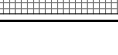









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 2'X2' LIGHT  

 2x4' LIGHTS  

 LINEAR LIGHT FIXTURE  

 PENDANT LIGHT FIXTURES  

 UNIT VENTILATOR  

 MECHANICAL DIFFUSERS  

 LINEAR SLOT AIR DIFFUSERS  

 GYPSUM WALL BOARD CEILING  

 ACOUSTICAL TILE CEILING  

 ACT-1  
9'-0"  
 CEILING TYPE AND CEILING HEIGHT ABOVE  
FINISHED FLOOR

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Due Date	Scale
09/2021	As indicated
Project Status	
CONSTRUCTION DOCUMENTS	
Drawn By	Checked By
CPL	CPL

REFLECTED CEILING PLAN  
GROUND FLOOR AREA C

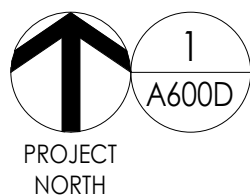
Drawing Number

HMS  
A600C





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GROUND FLOOR AREA D  
1/8" = 1'-0"



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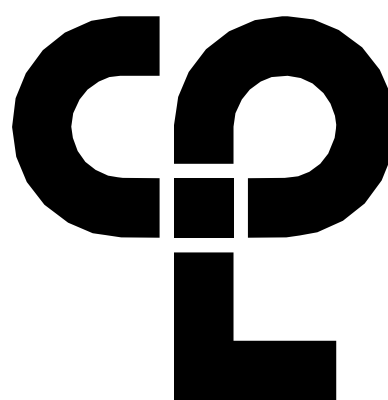
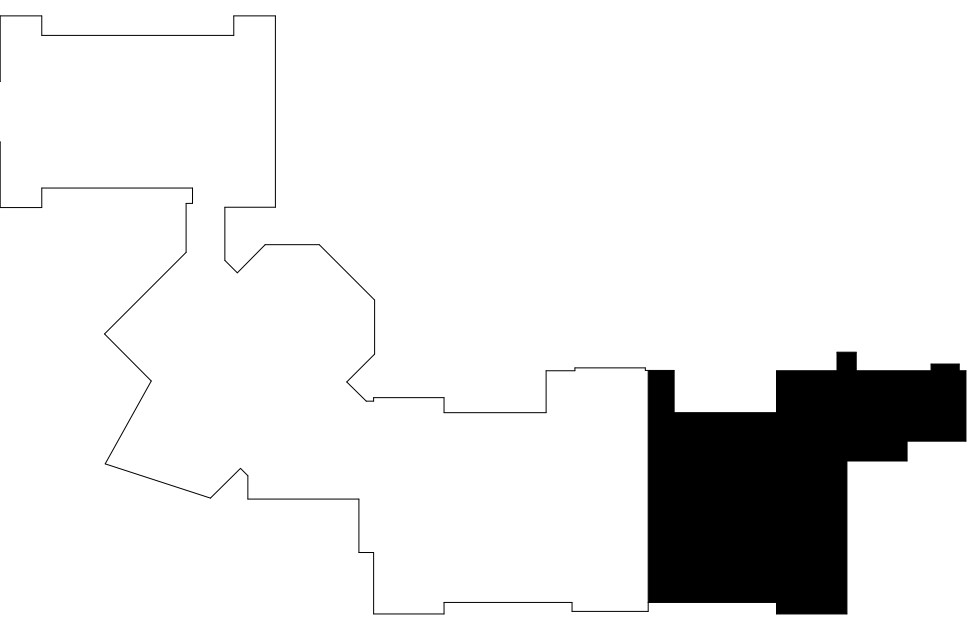
CEILING SYMBOL LEGEND

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- 2'X2' LIGHT
- 2'X4' LIGHTS
- LINEAR LIGHT FIXTURE
- PENDANT LIGHT FIXTURES
- UNIT VENTILATOR
- MECHANICAL DIFFUSERS
- LINEAR SLOT AIR DIFFUSERS
- GYPSUM WALL BOARD CEILING
- ACOUSTICAL TILE CEILING
- ACT-1 9'-0" CEILING TYPE AND CEILING HEIGHT ABOVE FINISHED FLOOR

CEILING KEYNOTES

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CPL | Architecture Engineering Planning  
50 FRONT ST. SUITE 202  
NEWBURGH, NY 12550  
CPLteam.com

PROJECT INFORMATION

Project Number  
13940.18  
Client Name  
**NEWBURGH ENLARGED CITY SCHOOL DISTRICT**  
Project Name  
**PHASE 3: HERITAGE MIDDLE SCHOOL 2019 CAPITAL IMPROVEMENT PROJECT**

Project Address  
405 Union Avenue, New Windsor, NY 12553

SED Number  
44-16-00-01-0-039-011

PROJECT ISSUE SCHEDULE

No. Date Description

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SHEET INFORMATION

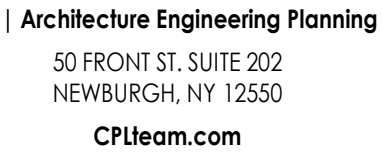
Issued  
9/9/2021  
Scale  
As indicated  
Project Status  
CONSTRUCTION DOCUMENTS  
Drawn By  
CPL  
Checked By  
CPL

Drawing Title  
REFLECTED CEILING PLAN  
GROUND FLOOR AREA D

Drawing Number











HMS  
A600D





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	2'x2' LIGHT
	2'x4' LIGHTS
	LINEAR LIGHT FIXTURE
	PENDANT LIGHT FIXTURES
	UNIT VENTILATOR
	MECHANICAL DIFFUSERS
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Project Number  
13940.18  
Client Name  
**NEWBURGH ENLARGED CITY  
SCHOOL DISTRICT**  
Project Name  
**PHASE 3: HERITAGE MIDDLE  
SCHOOL 2019 CAPITAL  
IMPROVEMENT PROJECT**

### PROJECT ISSUE SCHEDULE

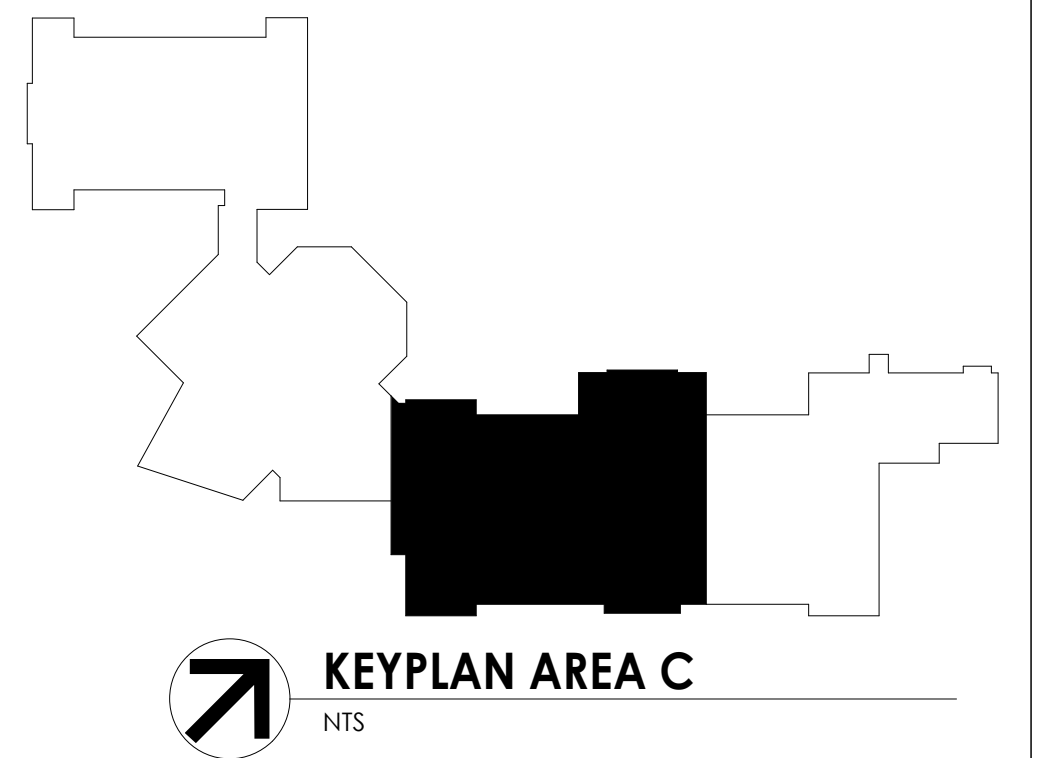
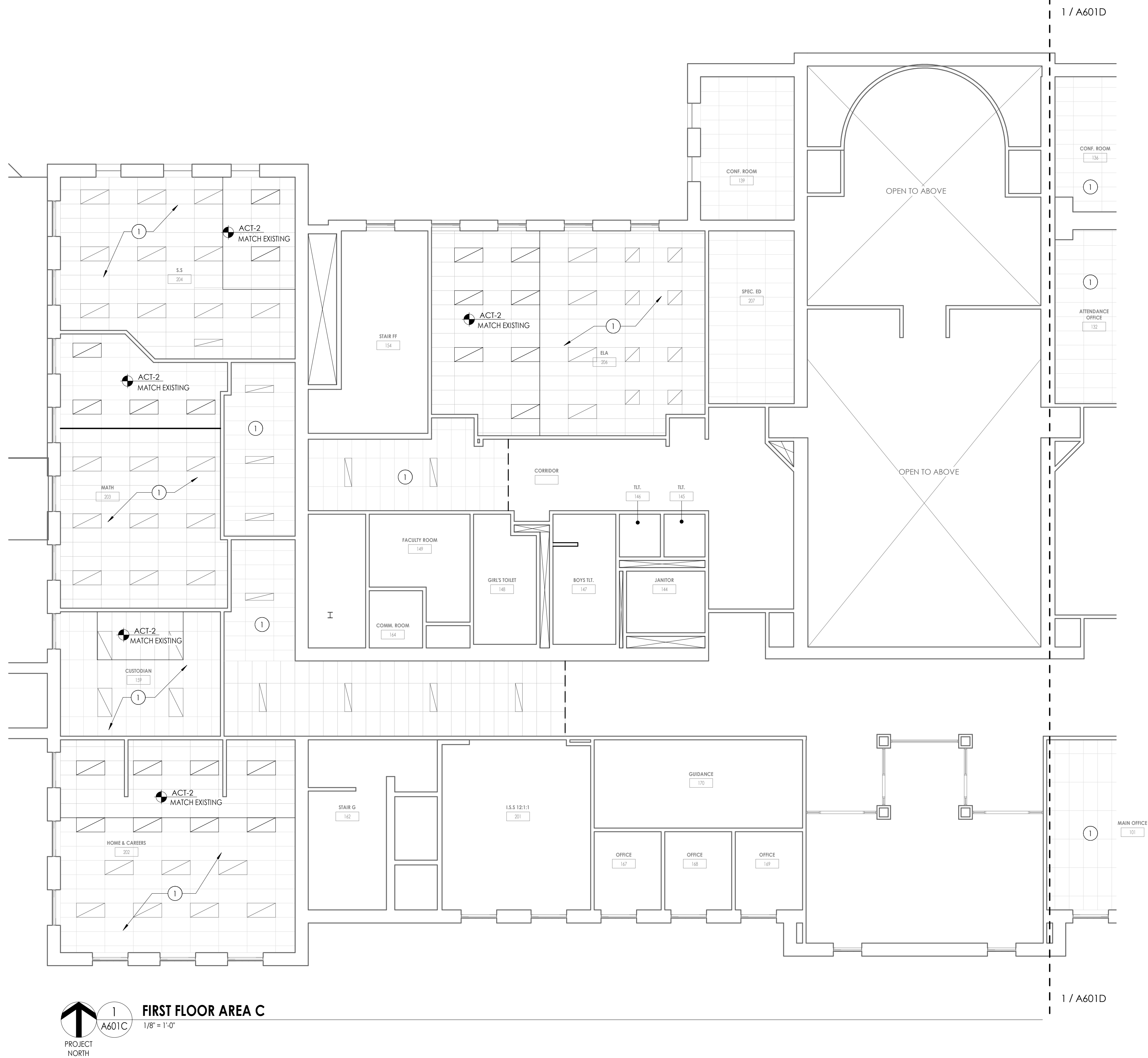
No.	Date	Description
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Issued	Scale
9/9/2021	As indicated
Project Status	
CONSTRUCTION DOCUMENTS	
Drawn By	Checked By
CPL	CPL
Drawing Title	
REFLECTED CEILING PLAN FIRST FLOOR AREA C	

HMS  
A601C





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PROJECT NORTH

1

A601D

1/8" = 1'-0"

FIRST FLOOR AREA D

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7. REFER TO "E" SERIES DRAWINGS FOR LIGHTING TYPES AND CONTROLS.
8. REFER TO "P" SERIES DRAWINGS FOR SPRINKLER HEAD LOCATIONS.
9. WORK AREAS SHALL BE MAINTAINED AND ALL WORK AREAS SHALL BE LEFT BROOMED CLEAN AT THE END OF EACH DAY.
10. CENTER CEILING GRID (EACH WAY) IN ROOMS SCHEDULED TO RECEIVE ACOUSTICAL CEILING SYSTEMS UNLESS OTHERWISE NOTED.
11. CONTRACTOR TO VERIFY WITH ARCHITECT THE INSTALLATION OF ANY CEILING TILES LESS THAN 4" IN WIDTH.
12. PROVIDE MOISTURE RESISTANT GYP. BD. AT ALL TOILET ROOM, JANITOR'S CLOSET AND OTHER WET LOCATION CEILING ASSEMBLIES.
13. ALL GYP. BD. CEILINGS AND SOFFITS SHALL BE PRIMED AND PAINTED SCHEDULED COLOR ON ALL FACES AND UNDERSIDE SURFACE.
14. CONTRACTOR TO VERIFY SOFFIT SIZE WITH MILLWORK SHOP DRAWINGS. PROVIDE 2" OVERHANG ON EXPOSED EDGES UNLESS NOTED OTHERWISE.
15. WHERE APPLICABLE ALL FIXTURES AND DEVICES SHALL BE CENTERED ON A CEILING TILE.
16. COORDINATE RENSTALLATION OF EXISTING CEILING TILE WITH OWNER'S REPRESENTATIVE.
17. UNDERSIDE OF SOFFIT TO MATCH FACE OF SOFFIT, PT-2, UNLESS NOTED OTHERWISE.

CEILING SYMBOL LEGEND

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

	2X2' LIGHT
	2x4' LIGHTS
	LINEAR LIGHT FIXTURE
	PENDANT LIGHT FIXTURES
	UNIT VENTILATOR
	MECHANICAL DIFFUSERS
	LINEAR SLOT AIR DIFFUSERS
	GYPSUM WALL BOARD CEILING
	ACOUSTICAL TILE CEILING
	CEILING TYPE AND CEILING HEIGHT ABOVE FINISHED FLOOR

CEILING KEYNOTES

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2. PROVIDE ALUMINUM SOFFIT AT EXTERIOR, REFER TO DETAILS FOR ADDITIONAL INFORMATION.
3. PROVIDE ALUM. TRIM AROUND ENTIRE PERIMETER OF SOFFIT; REFER TO CEILING DETAILS.
4. PROVIDE ALUM. TRIM AT CEILING SYSTEM WHERE IT MEETS COVE LIGHTING POCKET. REFER TO 'E' SERIES FOR CLOVE LIGHT INFORMATION.
5. INDICATES MECHANICAL EQUIPMENT, TYP. REFER TO 'H' SERIES.
6. ALIGN SOFFIT WITH FACE OF WALL.
7. RECESSED CEILING DROP FOLDING PARTITION; REFER TO DETAIL 1/A801
8. EXISTING GYP. SOFFIT, PATCH, REPAIR AND ADJUST TO ACCOMMODATE NEW CONSTRUCTION.
9. TRANSITION TRIM BETWEEN ACT-3 AND ACT-5. NO ELEVATION CHANGE. REFER TO CEILING DETAILS FOR ADDITIONAL INFORMATION.
10. PATCH 4x8" OPENING FROM GRILL REMOVAL TO A SEAMLESS FINISH AT SOFFIT FACE, TYP. OF 4. PREP TO RECEIVE SCHEDULED PAINT.

KEYPLAN AREA D

NTS

CPL | Architecture Engineering Planning  
50 FRONT ST. SUITE 202  
NEWBURGH, NY 12550  
CPLteam.com

PROJECT INFORMATION

Project Number  
13940.18

Client Name

NEWBURGH ENLARGED CITY  
SCHOOL DISTRICT

Project Name

PHASE 3: HERITAGE MIDDLE  
SCHOOL 2019 CAPITAL  
IMPROVEMENT PROJECT

Project Address

405 Union Avenue, New Windsor, NY 12553

SED Number

44-16-00-01-0-039-011

PROJECT ISSUE SCHEDULE

No. Date Description

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SHEET INFORMATION

Issued

9/9/2021

Scale

As indicated

Project Status

CONSTRUCTION DOCUMENTS

Drawn By

CPL

Checked By

CPL

Drawing Title

REFLECTED CEILING PLAN FIRST  
FLOOR AREA D

Drawing Number

HMS  
A601D



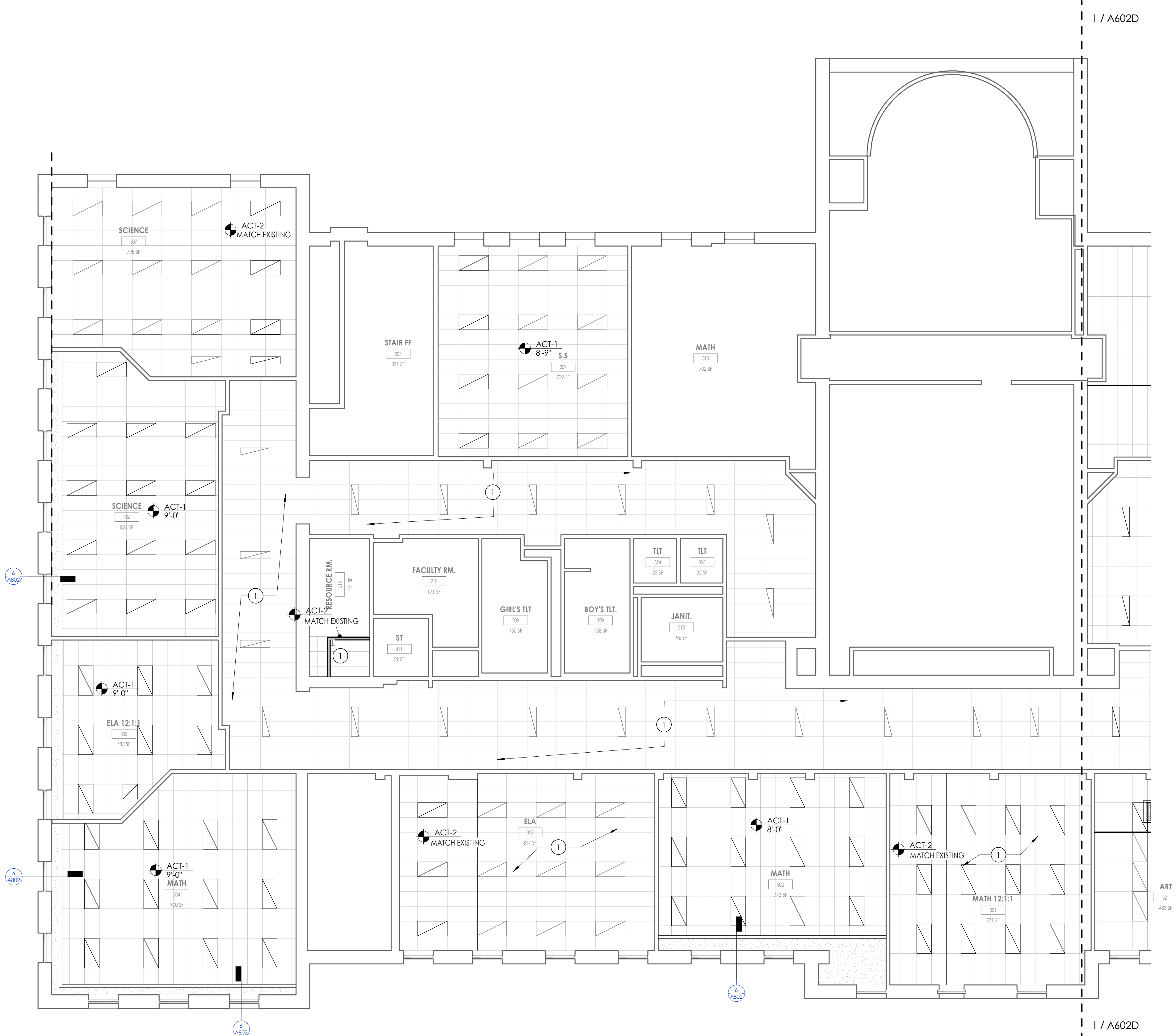
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1

A602C

PROJECT NORTH

SECOND FLOOR AREA C  
1/8" = 1'-0"



GENERAL CEILING NOTES

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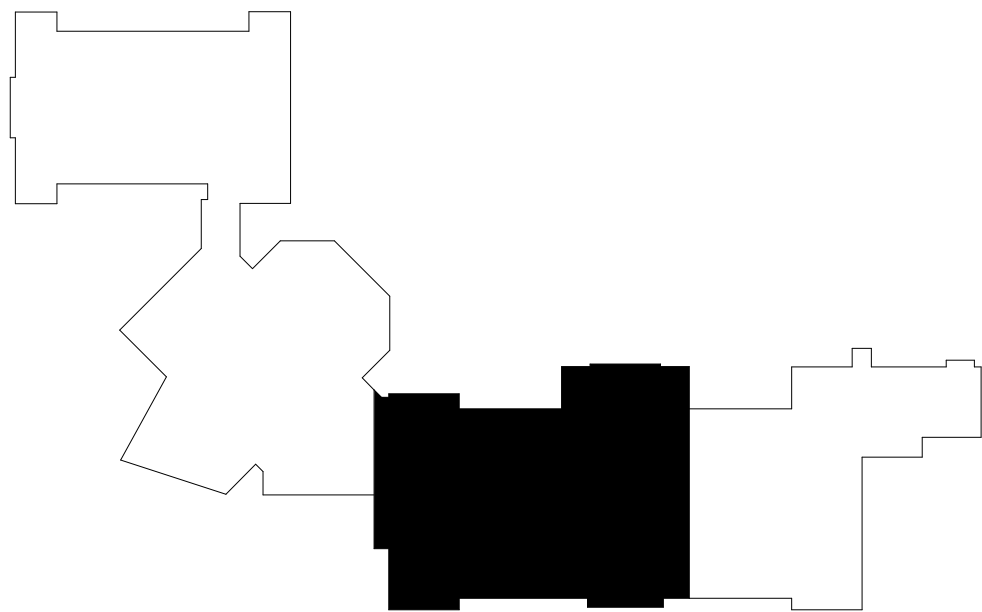
CEILING SYMBOL LEGEND

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

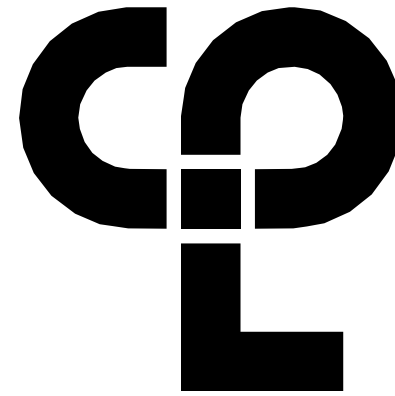
- 2X2' LIGHT
- 2x4' LIGHTS
- LINEAR LIGHT FIXTURE
- PENDANT LIGHT FIXTURES
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- MECHANICAL DIFFUSERS
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KEYPLAN AREA C  
NTS



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PROJECT INFORMATION

Project Number  
13940.18  
Client Name  
NEWBURGH ENLARGED CITY  
SCHOOL DISTRICT  
Project Name  
PHASE 3: HERITAGE MIDDLE  
SCHOOL 2019 CAPITAL  
IMPROVEMENT PROJECT

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SHEET INFORMATION

Issued  
9/9/2021  
Scale  
As indicated  
Project Status  
CONSTRUCTION DOCUMENTS  
Drawn By  
J.M.  
Checked By  
CPL  
Drawing Title  
REFLECTED CEILING PLAN  
SECOND FLOOR AREA C

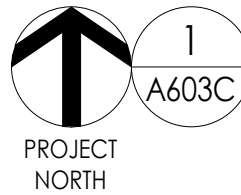
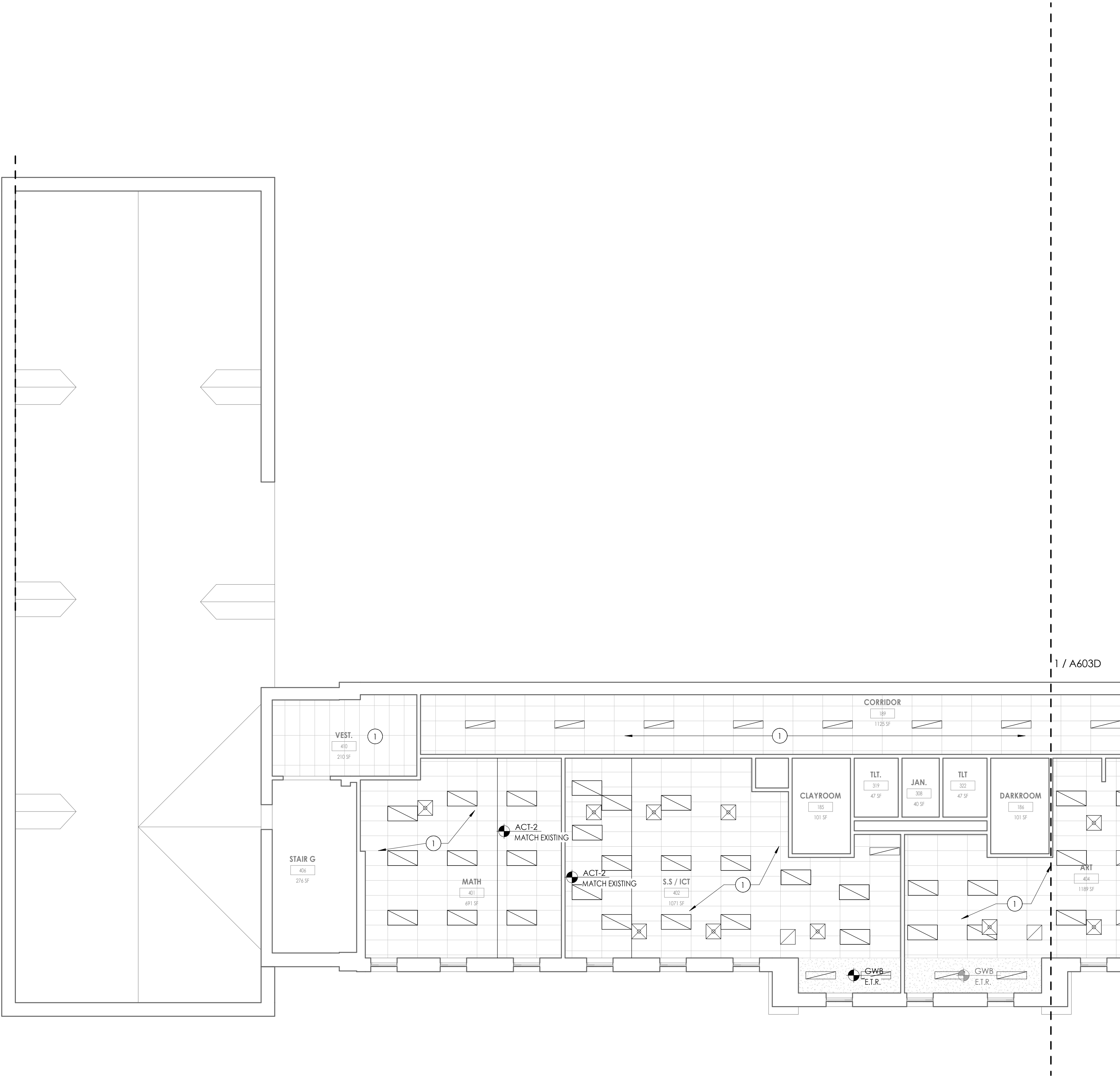
Drawing Number

HMS  
A602C









### THIRD FLOOR AREA C

1/8" = 1'-0"

### GENERAL CEILING NOTES

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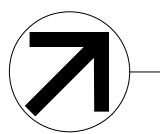
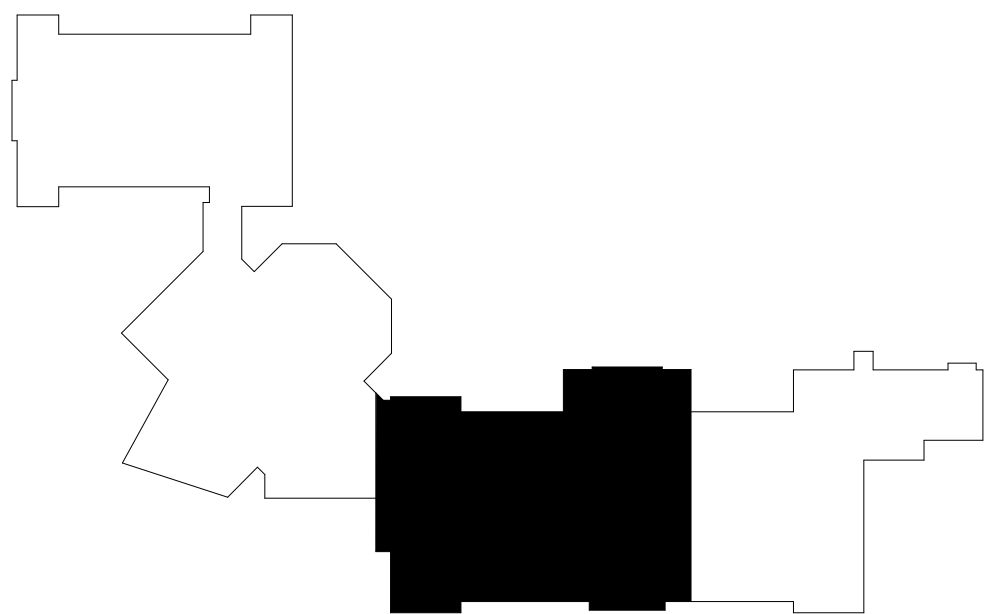
### CEILING SYMBOL LEGEND

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

- |  |                                                      |
|--|------------------------------------------------------|
|  | 2'x2' LIGHT                                          |
|  | 2'x4' LIGHTS                                         |
|  | LINEAR LIGHT FIXTURE                                 |
|  | PENDANT LIGHT FIXTURES                               |
|  | UNIT VENTILATOR                                      |
|  | MECHANICAL DIFFUSERS                                 |
|  | LINEAR SLOT AIR DIFFUSERS                            |
|  | GYPSUM WALL BOARD CEILING                            |
|  | ACOUSTICAL TILE CEILING                              |
|  | CEILING TYPE AND CEILING HEIGHT ABOVE FINISHED FLOOR |

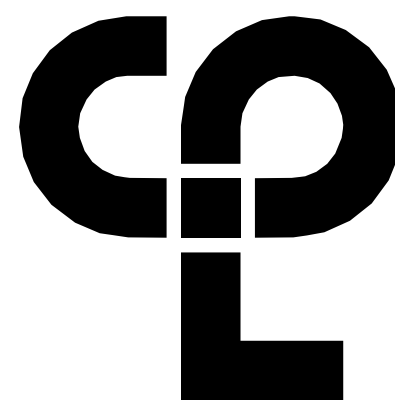
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### KEYPLAN AREA C

NTS



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50 FRONT ST. SUITE 202  
NEWBURGH, NY 12550  
CPLteam.com

### PROJECT INFORMATION

Project Number

13940.18

Client Name

NEWBURGH ENLARGED CITY  
SCHOOL DISTRICT

Project Name

PHASE 3: HERITAGE MIDDLE  
SCHOOL 2019 CAPITAL  
IMPROVEMENT PROJECT

Project Address

405 Union Avenue, New Windsor, NY 12553

SED Number

44-16-00-01-0-039-011

### PROJECT ISSUE SCHEDULE

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### SHEET INFORMATION

Issued

9/9/2021

Project Status

CONSTRUCTION DOCUMENTS

Drawn By

CPL

Checked By

CPL

Drawing Title

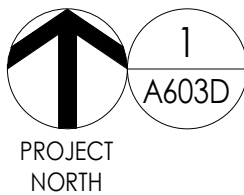
REFLECTED CEILING PLAN THIRD FLOOR AREA C

Drawing Number

HMS  
A603C

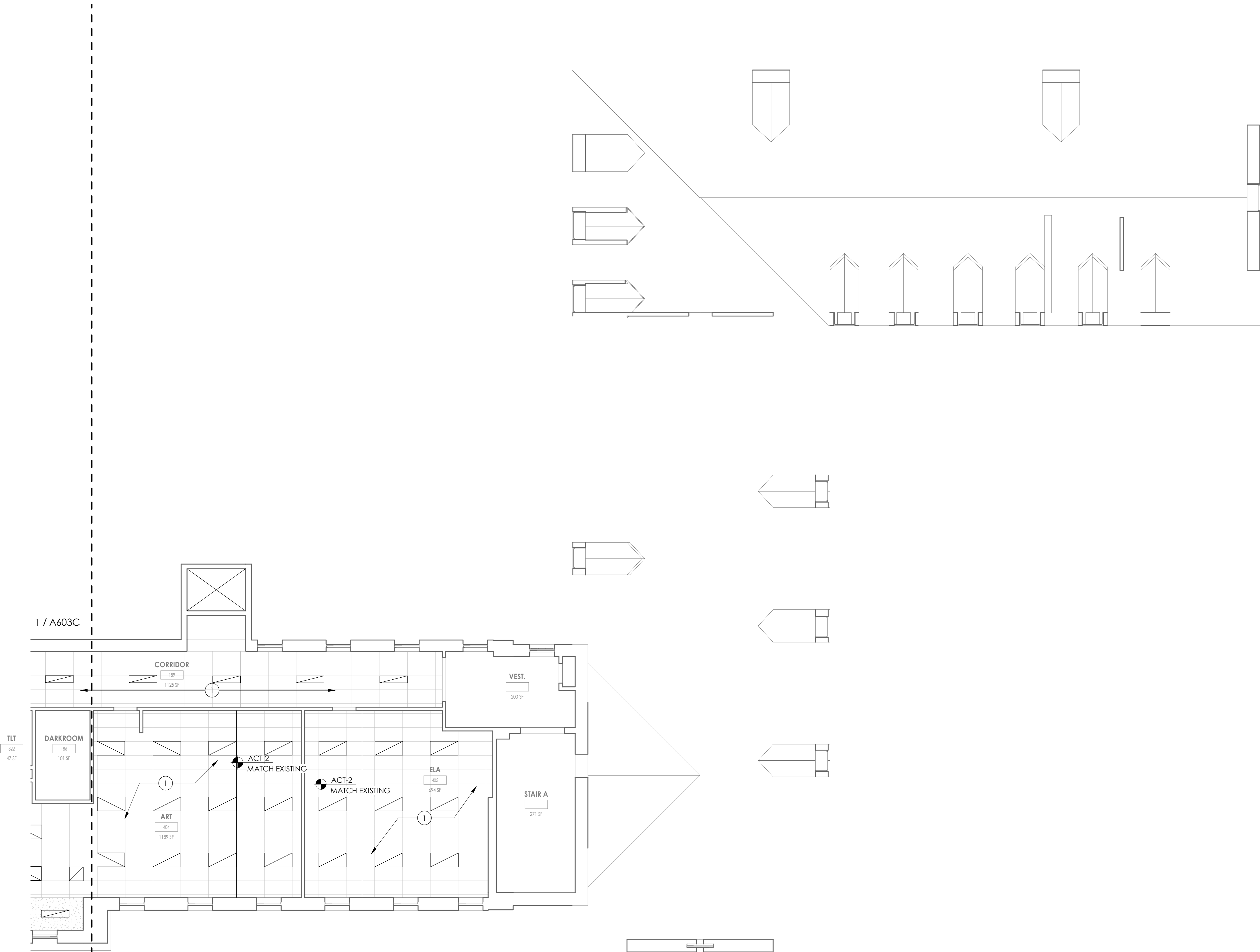


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1  
A603D

THIRD FLOOR AREA D  
1/8" = 1'-0"



## GENERAL CEILING NOTES

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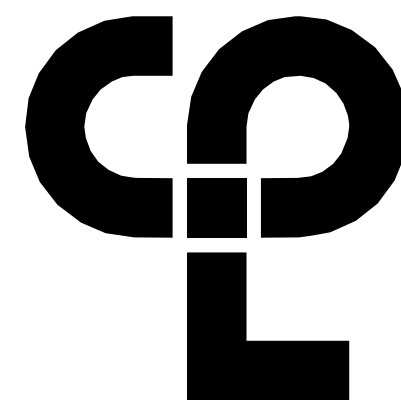
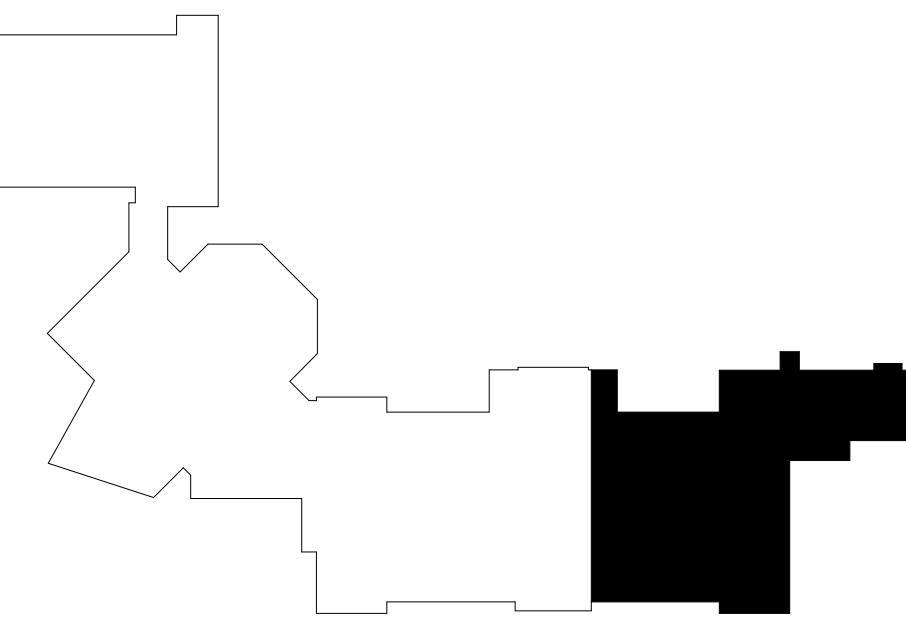
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	2X2' LIGHT
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## PROJECT INFORMATION

Project Number

13940.18

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Issued

9/9/2021

Project Status

CONSTRUCTION DOCUMENTS

Drawn By

CPL

Checked By

CPL

Drawing Title

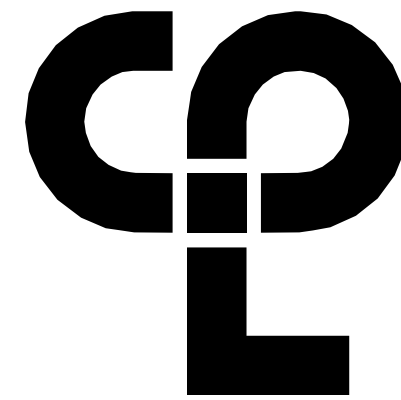
REFLECTED CEILING PLAN THIRD

FLOOR AREA D

Drawing Number

HMS  
A603D





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NEWBURGH, NY 12550  
CPLteam.com

## GENERAL INTERIOR ELEVATIONS NOTES

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2. REFER TO A200 SERIES DRAWINGS FOR ADDITIONAL SPECIALTIES.
3. ALL FURNITURE AND EQUIPMENT SHOWN IS PROVIDED BY OWNER UNLESS NOTED OTHERWISE. ITEMS SHOWN ON THESE DOCUMENTS ARE FOR COORDINATION OF M.E.P. INFRASTRUCTURE TO OPERATE ITEMS INCLUDED UNDER THE SCOPE.
4. PROVIDE SUPPORT BLOCKING AND STRAPPING FOR ALL MILLWORK, CASEWORK, AND WALL MOUNTED ACCESSORIES.
5. SEE FINISH SCHEDULE FOR FINISHES.
6. REFER TO A600 SERIES DRAWINGS FOR CEILING HEIGHTS.
7. FIELD VERIFY ALL DIMENSIONS PRIOR TO SHOP DRAWING SUBMITTAL.

## INTERIOR ELEVATION LEGEND

CABLE TELEVISION  
ELECTRICAL OUTLET  
FIRE ALARM AND STROBE  
FIRE ALARM PULL STATION  
FLOOR DRAIN  
LIGHT SWITCH  
TELEPHONE/DATA DROP  
TELEPHONE DROP

TV  
E  
FAS  
F  
FL  
S  
T/D  
W

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## PROJECT ISSUE SCHEDULE

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

## SHEET INFORMATION

Issued

9/9/2021

Project Status

CONSTRUCTION DOCUMENTS

Drawn By

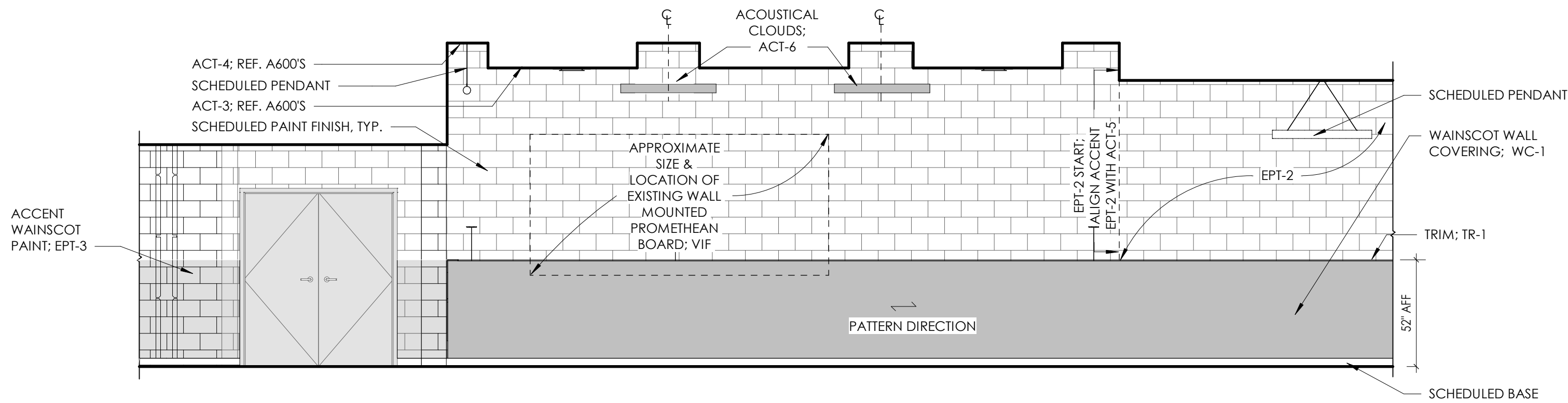
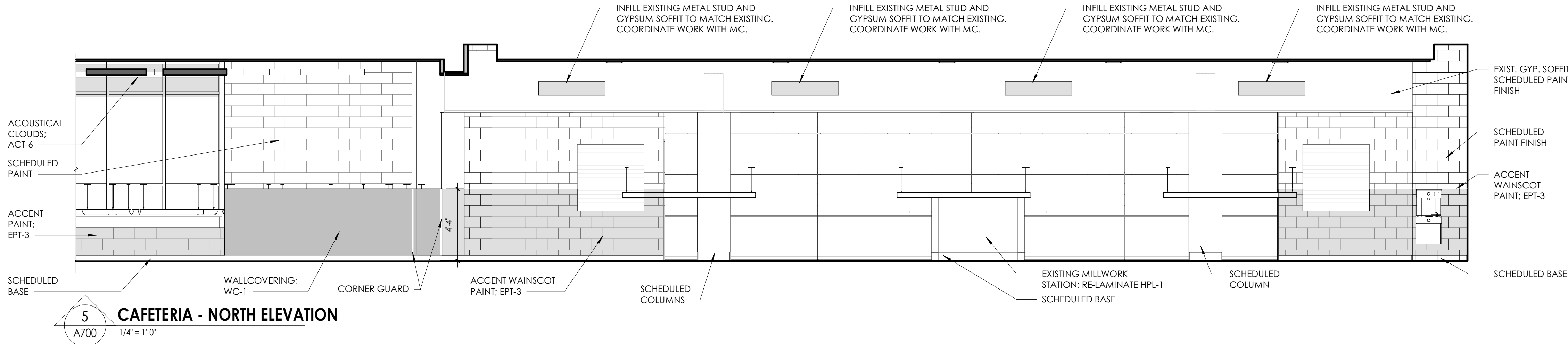
CPL

Drawing Title

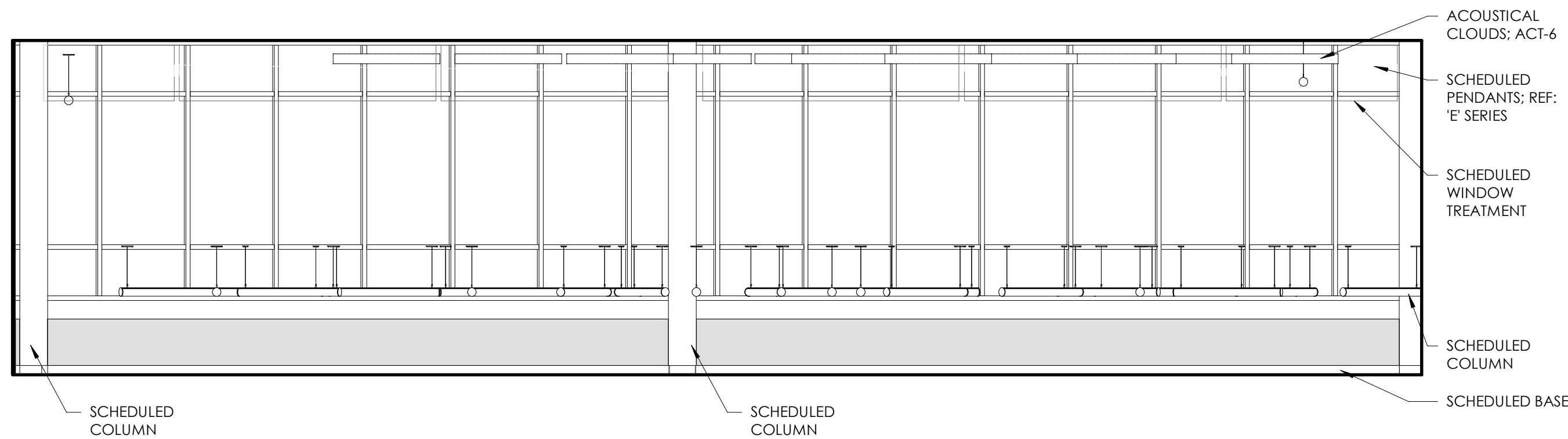
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Drawing Number

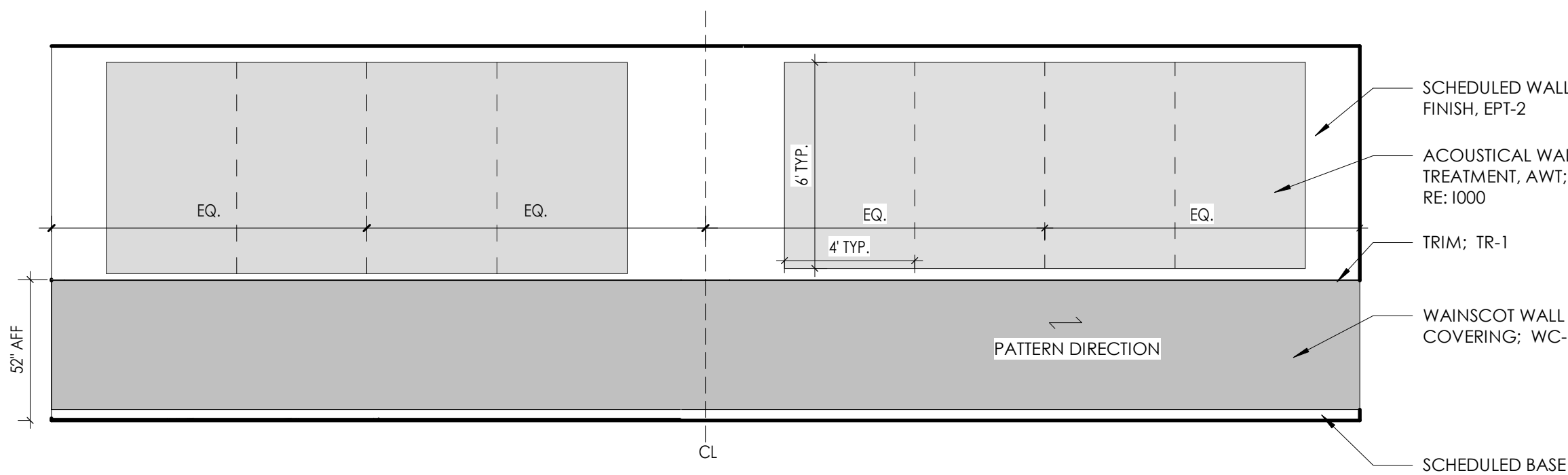
HMS  
A700



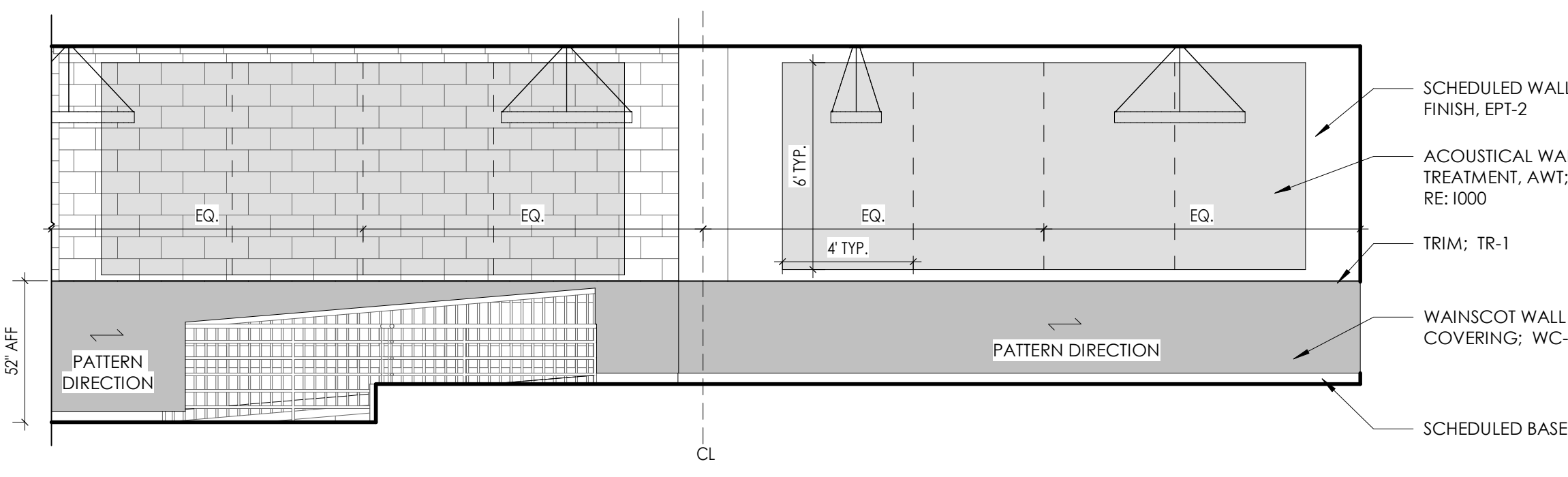
4 CAFETERIA - EAST ELEVATION  
1/4" = 1'-0"



3 CAFETERIA - WEST ELEVATION  
1/4" = 1'-0"

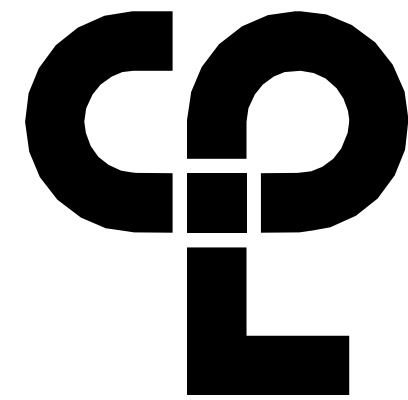


2 CAFETERIA - SOUTHEAST ELEVATION (MULTI-PURPOSE AREA) ALTERNATE GC-5  
1/4" = 1'-0"



1 CAFETERIA - SOUTHEAST ELEVATION (MULTI-PURPOSE AREA)  
1/4" = 1'-0"





CPL | Architecture Engineering Planning  
50 FRONT ST. SUITE 202  
NEWBURGH, NY 12550  
CPLteam.com

#### PROJECT INFORMATION

Project Number  
13940.18  
Client Name  
**NEWBURGH ENLARGED CITY  
SCHOOL DISTRICT**  
Project Name  
**PHASE 3: HERITAGE MIDDLE  
SCHOOL 2019 CAPITAL  
IMPROVEMENT PROJECT**

Project Address  
405 Union Avenue, New Windsor, NY 12553

SED Number  
44-16-00-01-0-039-011

#### PROJECT ISSUE SCHEDULE

No. Date Description

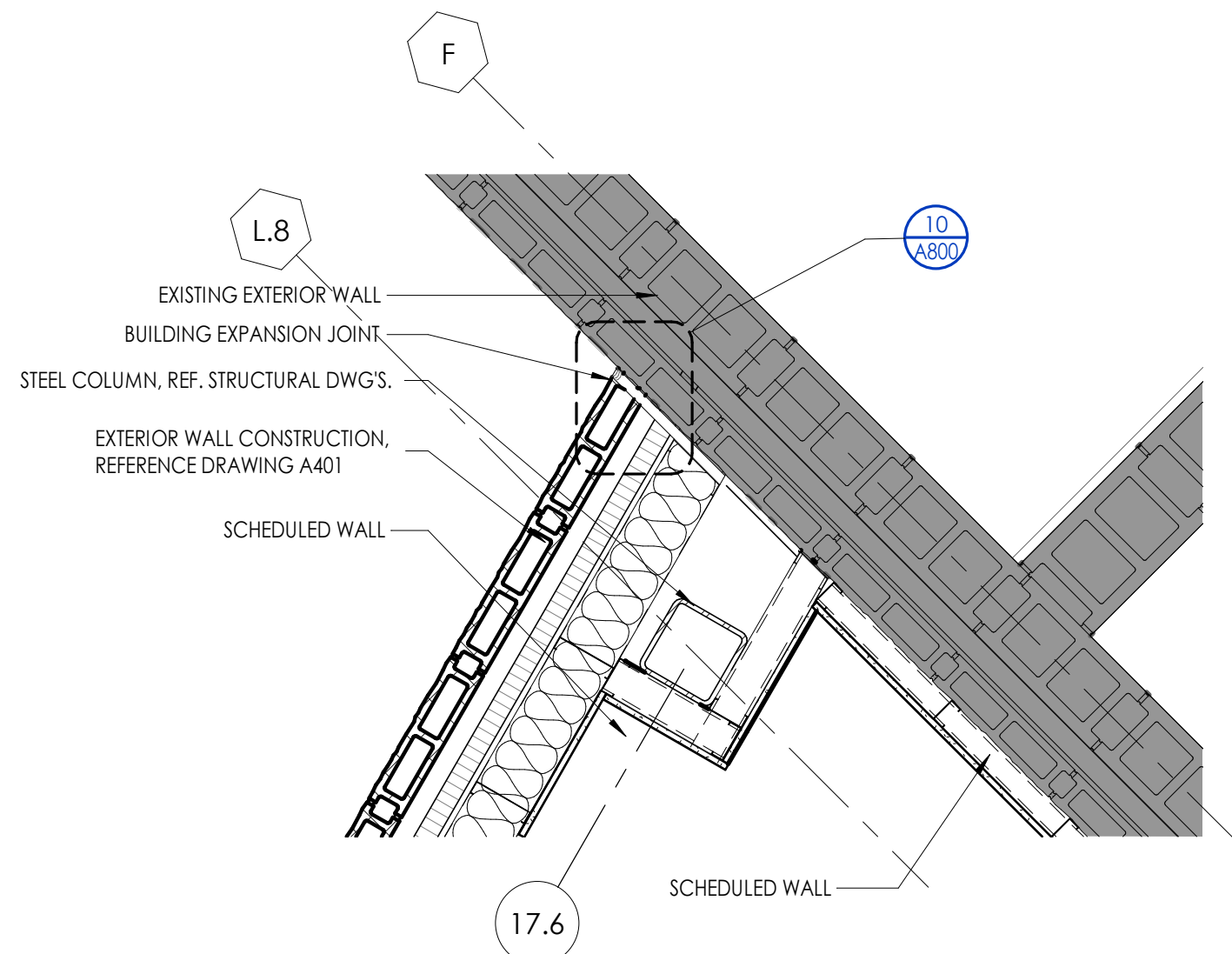
IT IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW  
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ARCHITECT, ENGINEER OR LAND SURVEYOR, TO ALTER AN ITEM  
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#### SHEET INFORMATION

Issued  
9/9/2021  
Project Status  
CONSTRUCTION DOCUMENTS  
Drawn By  
CPL  
Drawing Title  
DETAILS  
Scale  
As indicated  
Checked By  
CPL

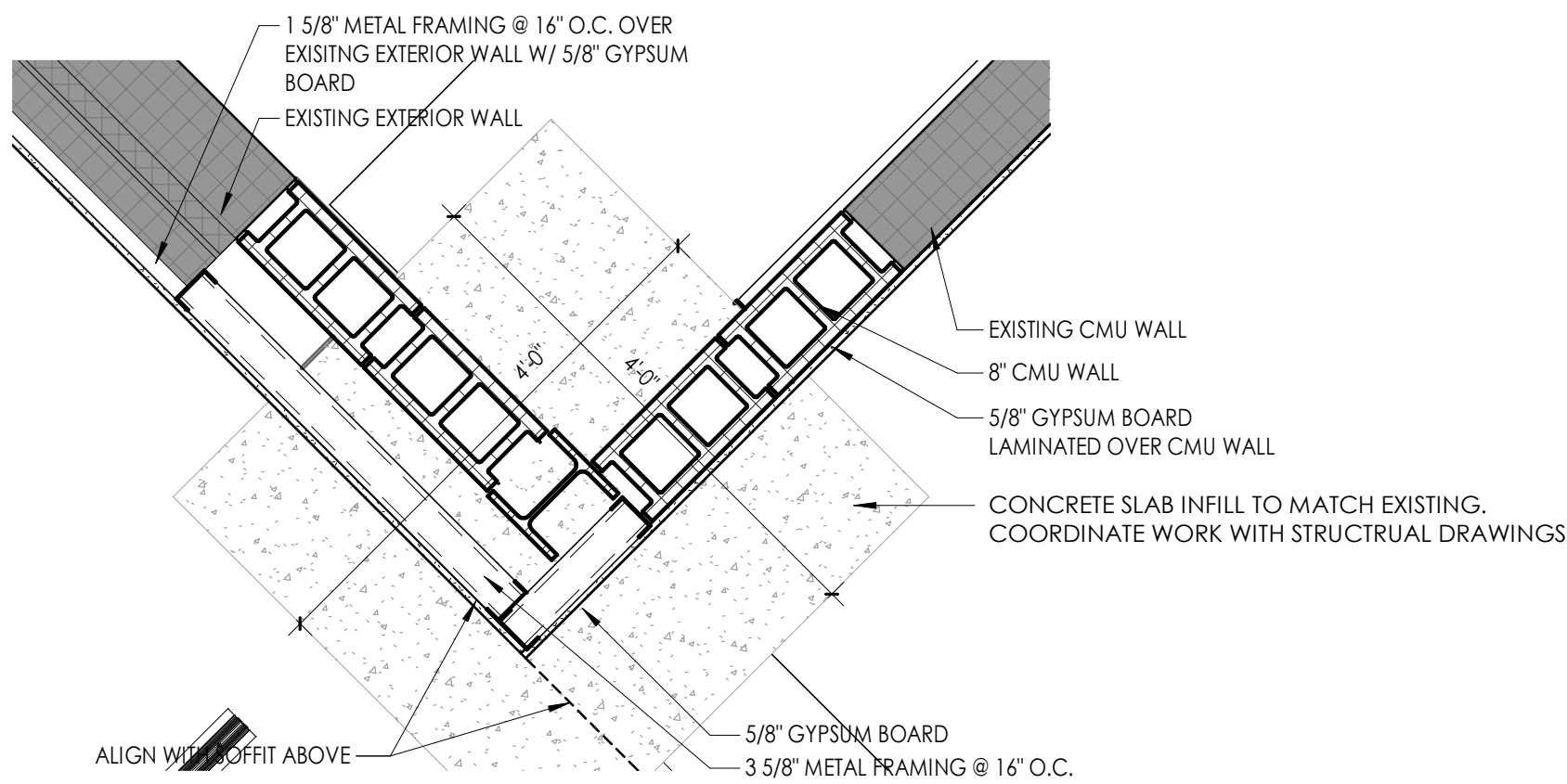
Drawing Number

HMS  
A800



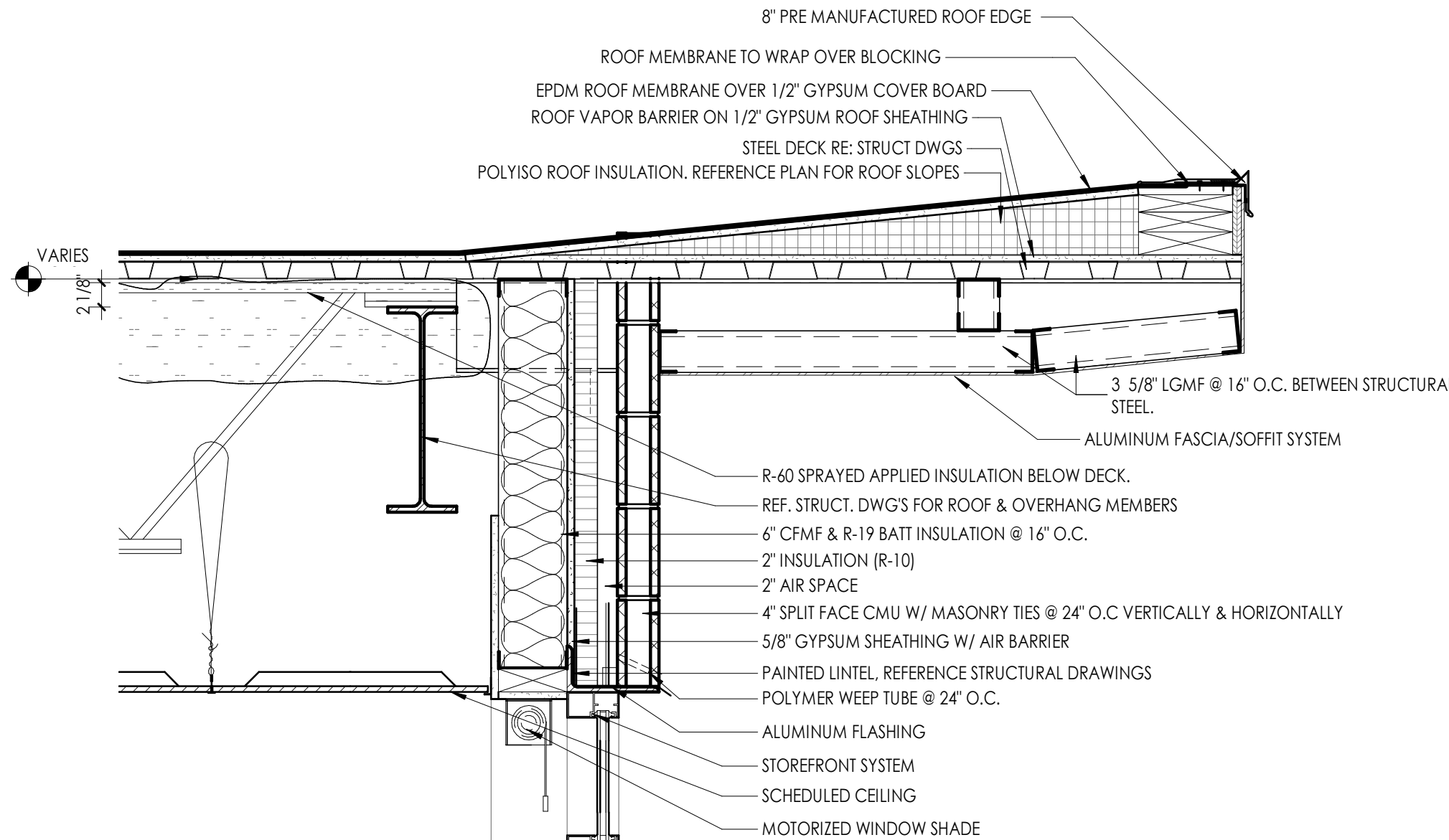
#### 1 CAFETERIA WALL CONNECTION DETAIL

A800  
3/4" = 1'-0"



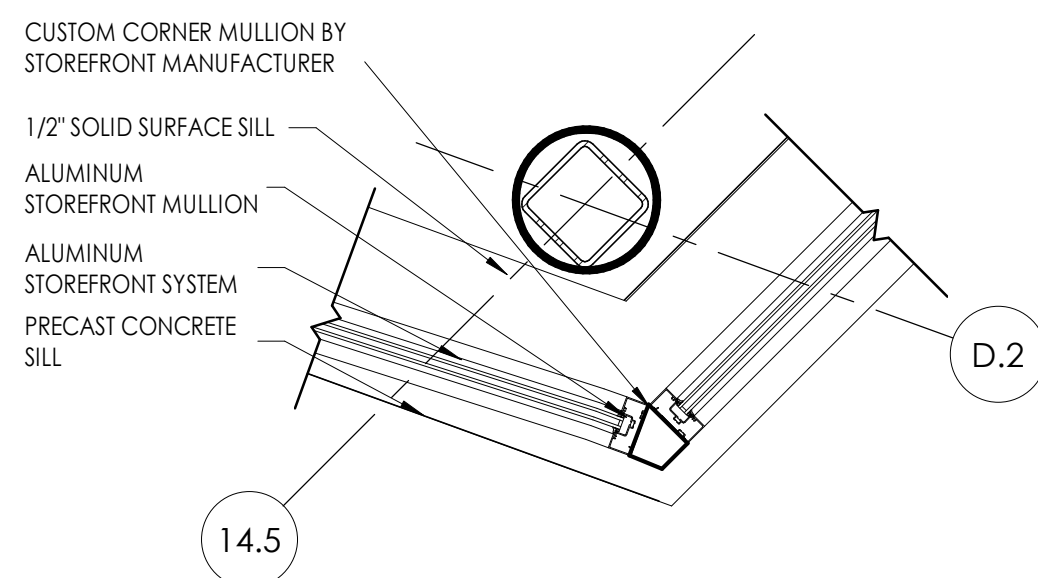
#### 2 COLUMN AT EXISTING WALL PLAN DETAIL

A800  
3/4" = 1'-0"



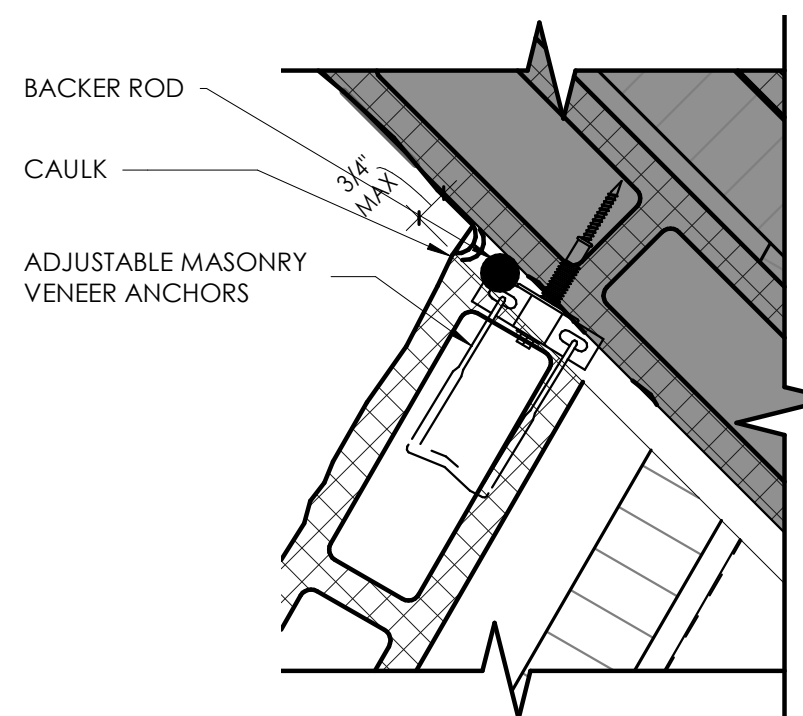
#### 3 TYPICAL CURTAIN WALL HEAD DETAIL

A800  
1" = 1'-0"



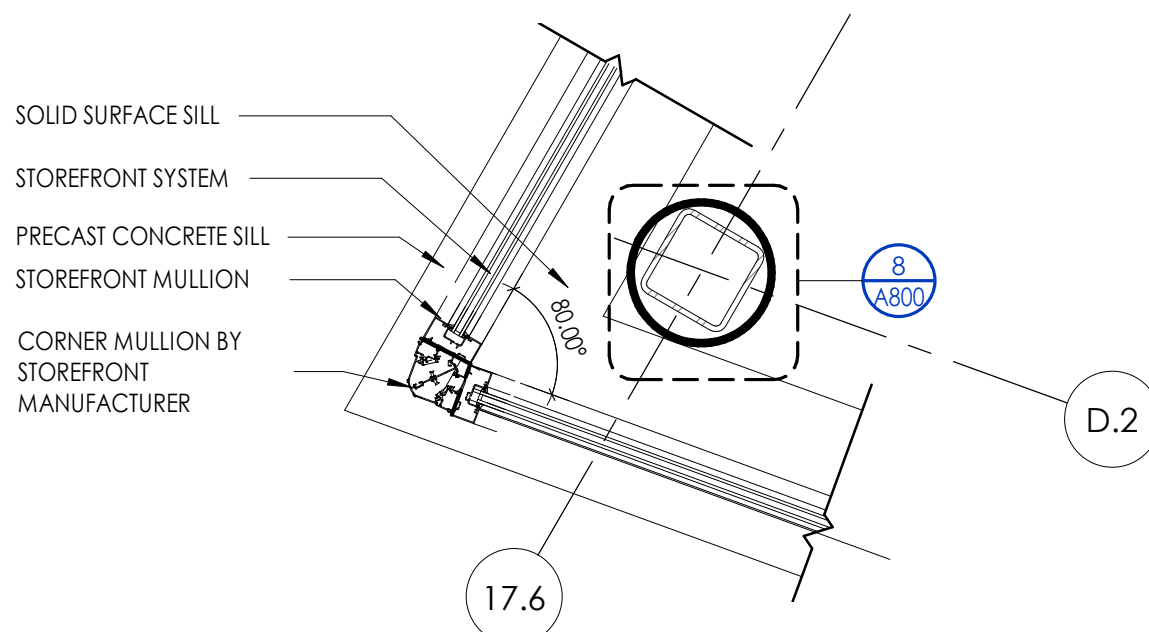
#### 5 CAFETERIA CURTAIN WALL CONNECTION 2

A800  
3/4" = 1'-0"



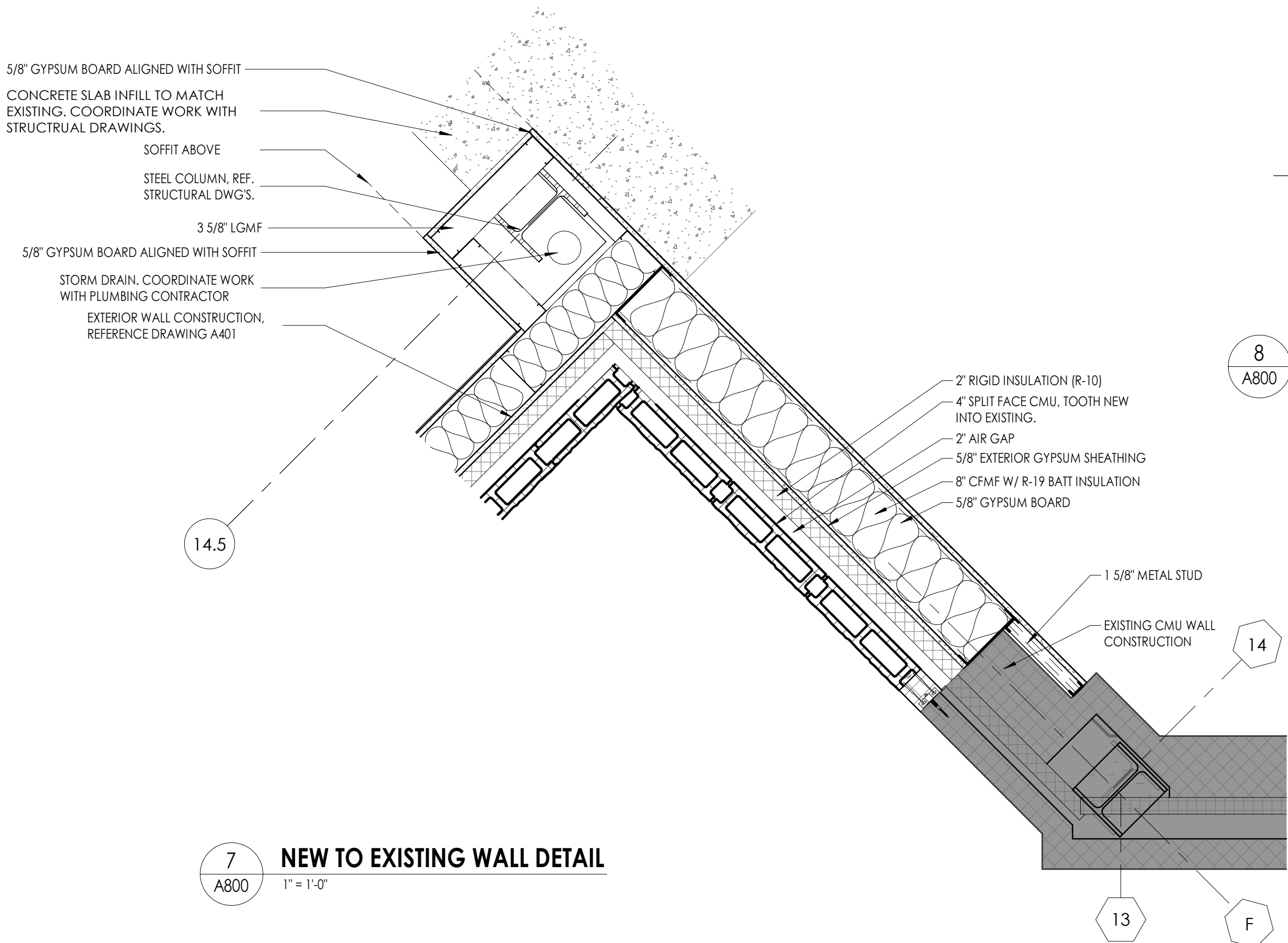
#### 10 ANCHORING DETAIL

A800  
3" = 1'-0"



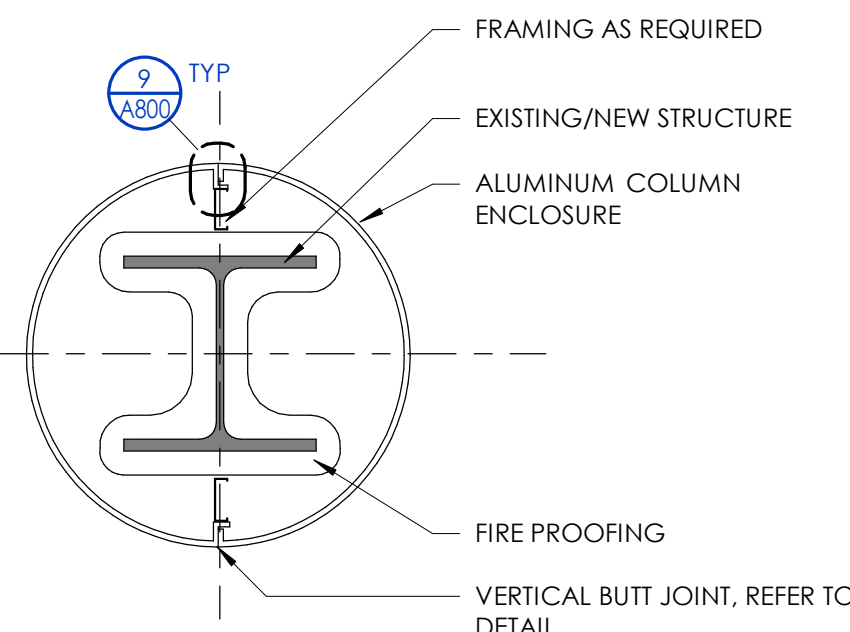
#### 6 CAFETERIA CURTAIN WALL CONNECTION

A800  
3/4" = 1'-0"



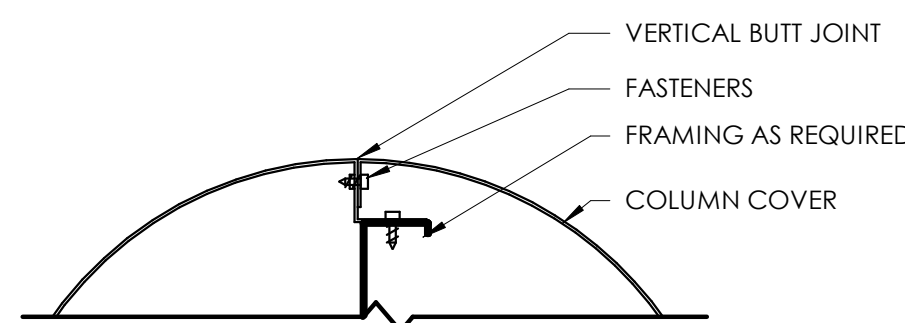
#### 7 NEW TO EXISTING WALL DETAIL

A800  
1" = 1'-0"



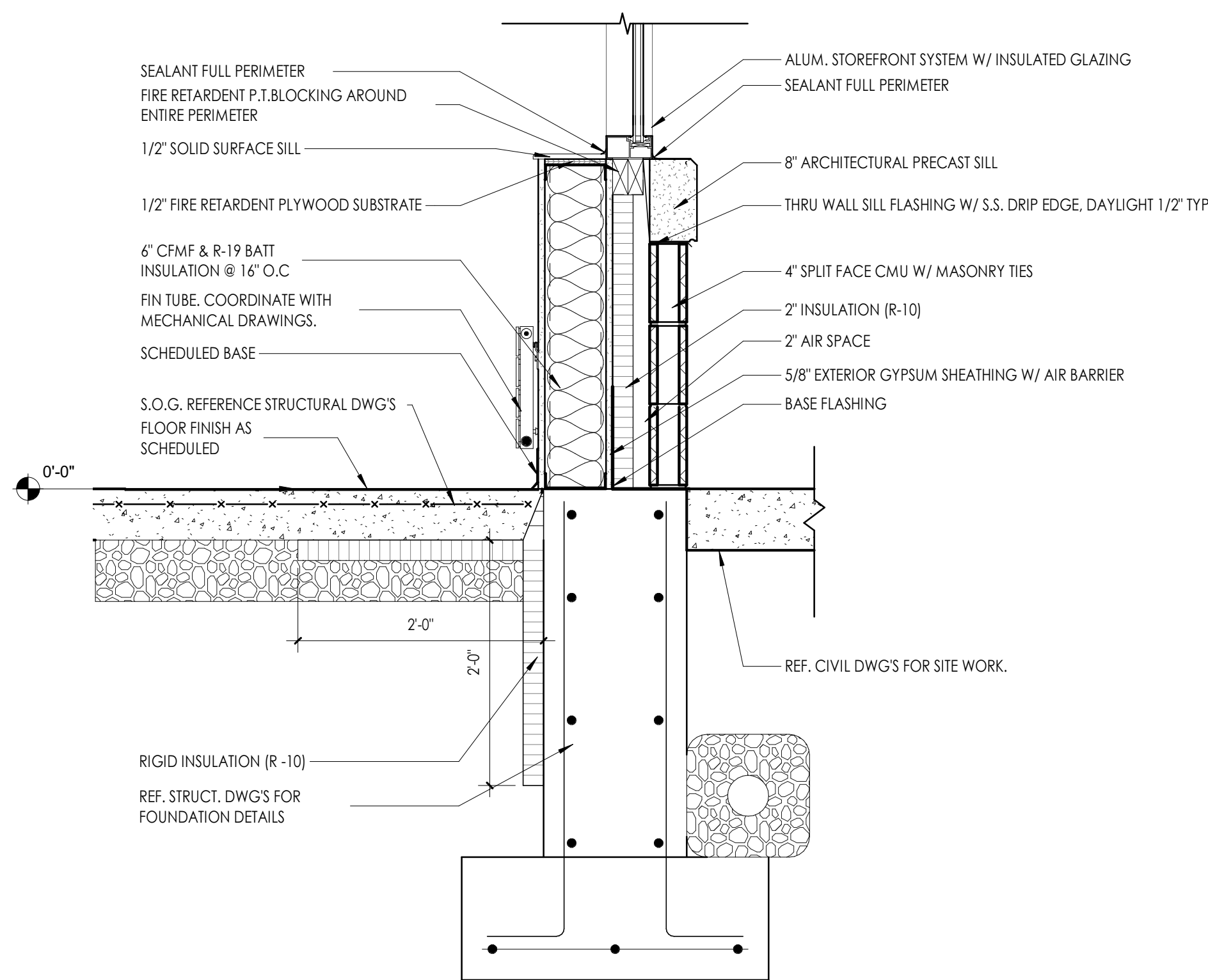
#### 8 COLUMN ENCLOSURE - PLAN VIEW

A800  
1 1/2" = 1'-0"



#### 9 COLUMN ENCLOSURE CONNECTION

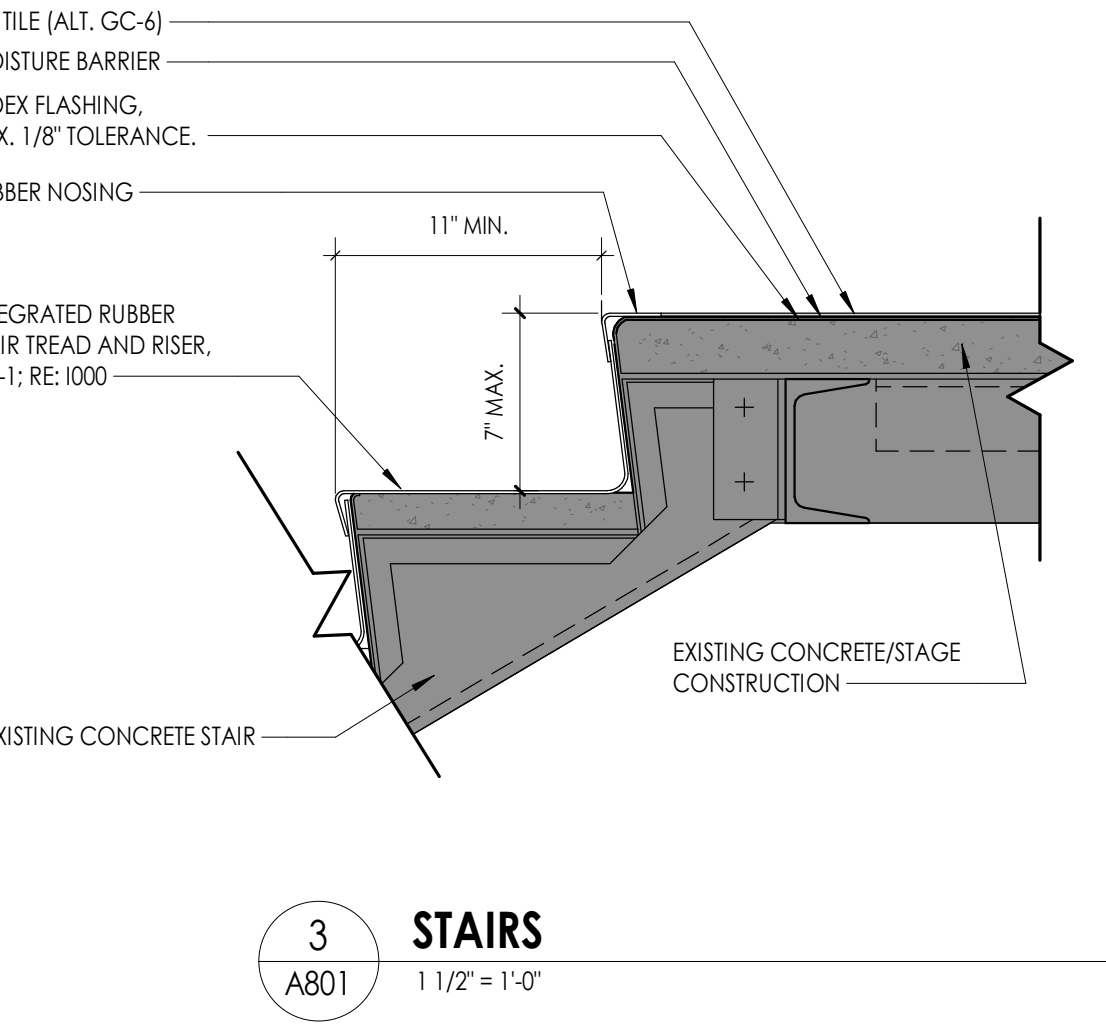
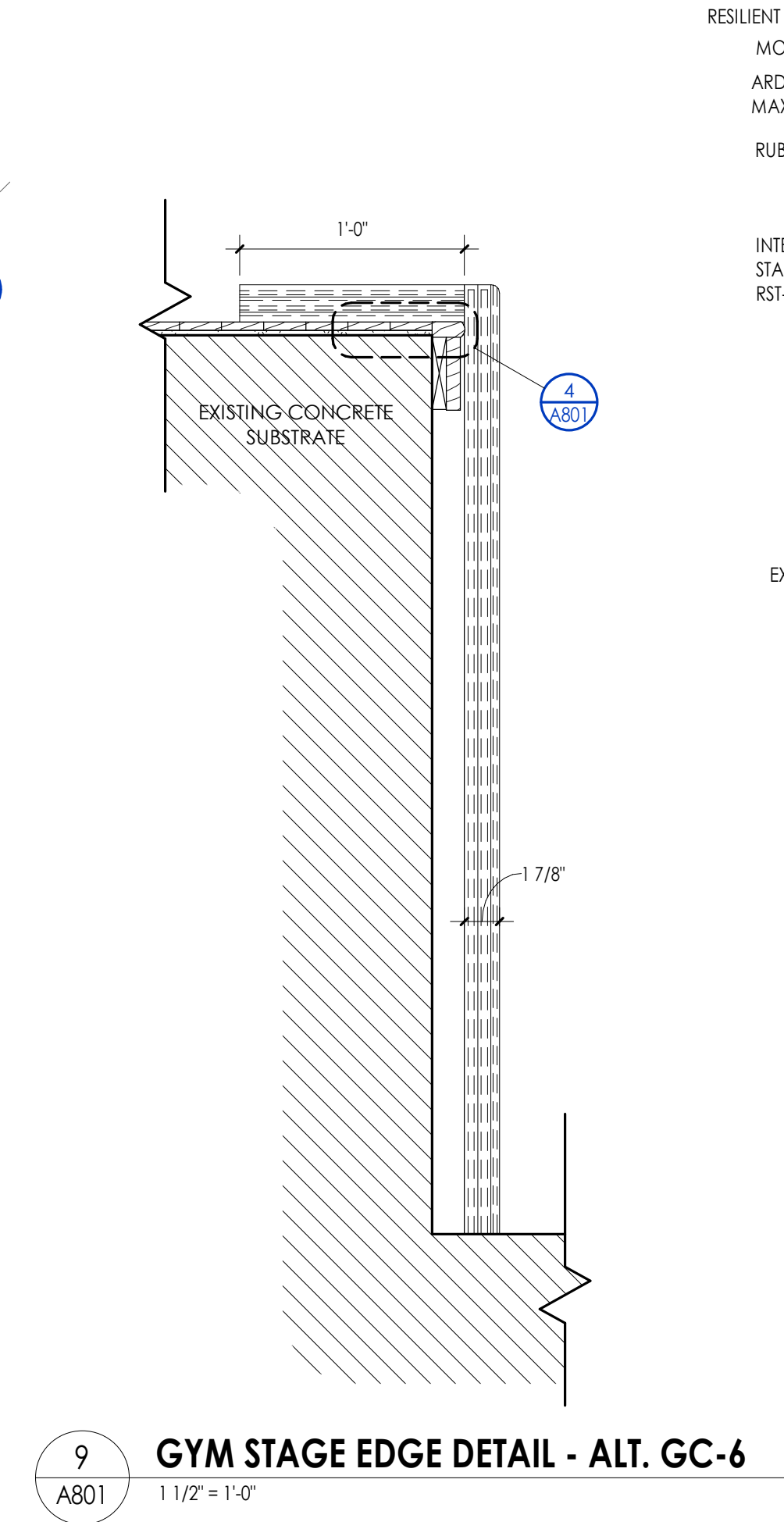
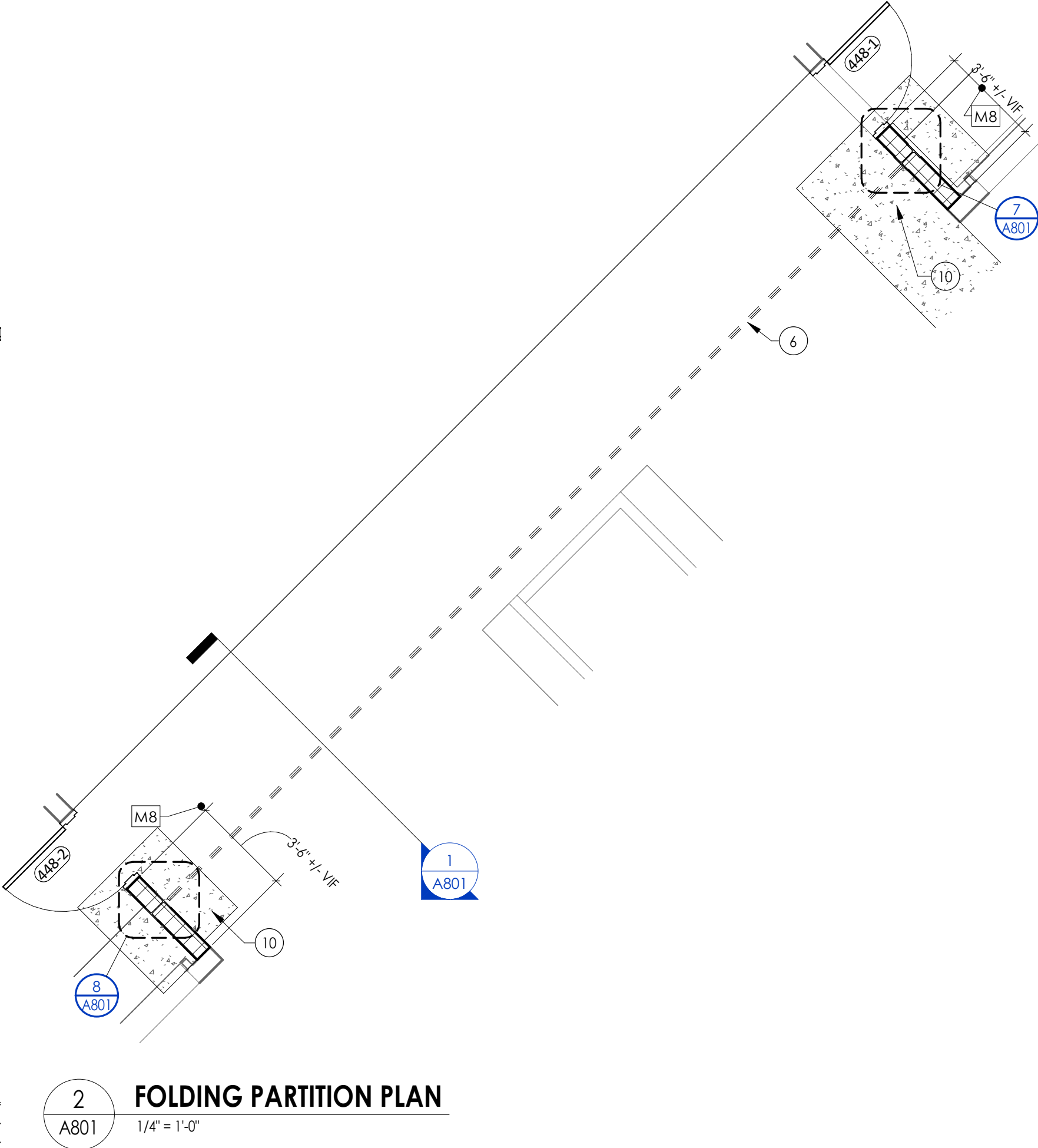
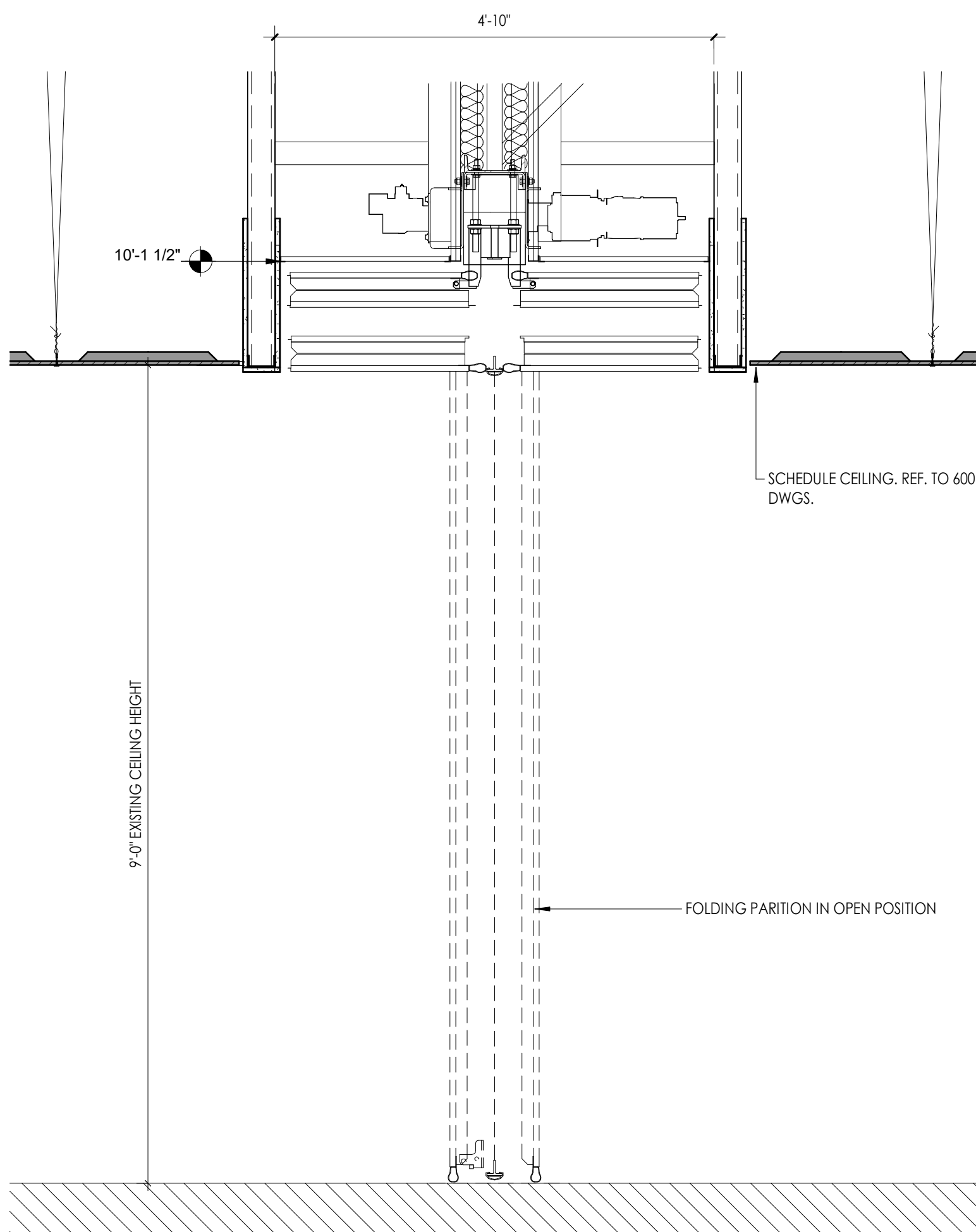
A800  
3" = 1'-0"



#### 4 TYPICAL CURTAIN WALL SILL DETAIL

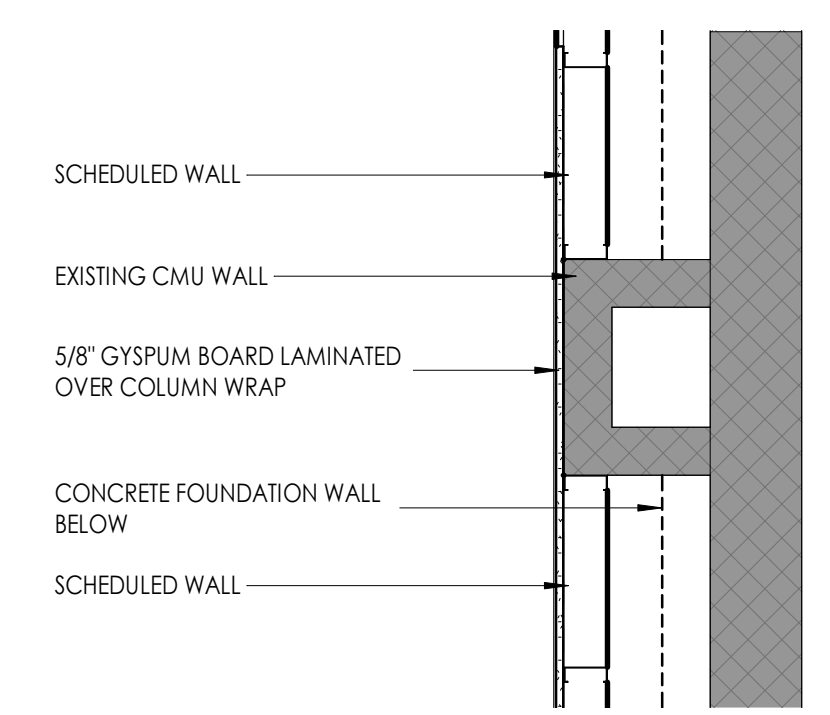
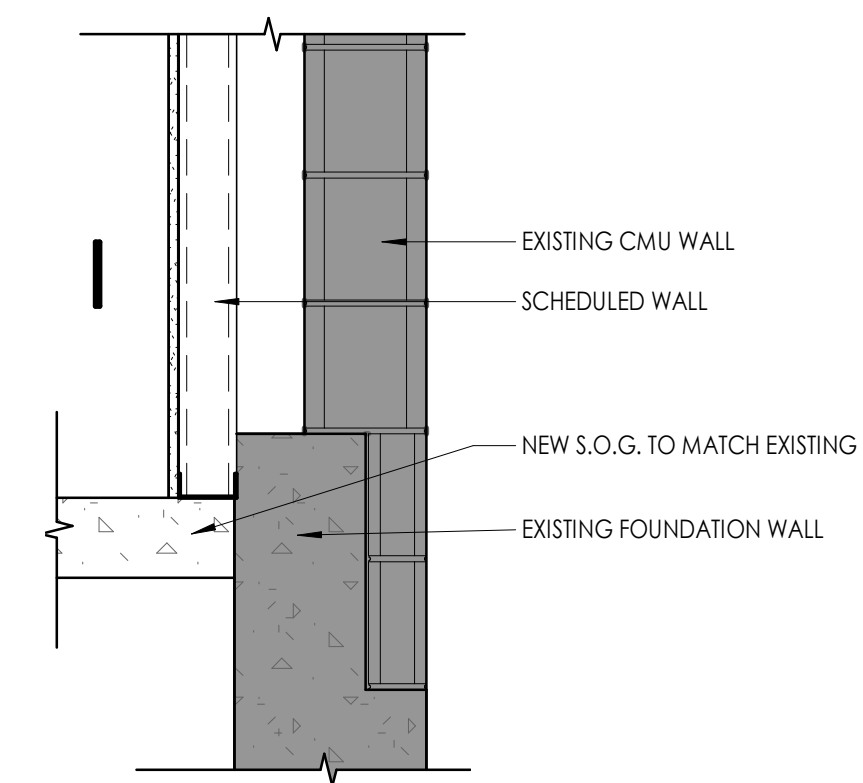
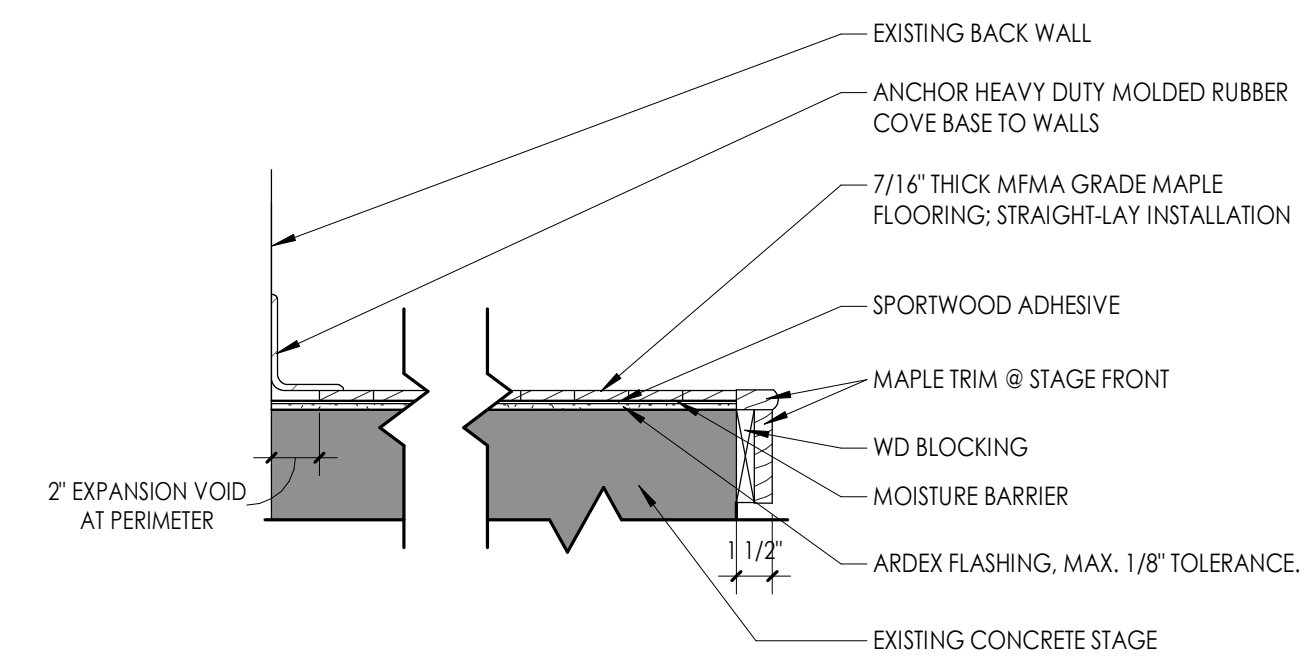
A800  
1" = 1'-0"





### 1 FOLDING PARTITION SECTION

A801 3/4" = 1'-0"



### 4 GYM STAGE ALTERNATE - ALT. GC-6

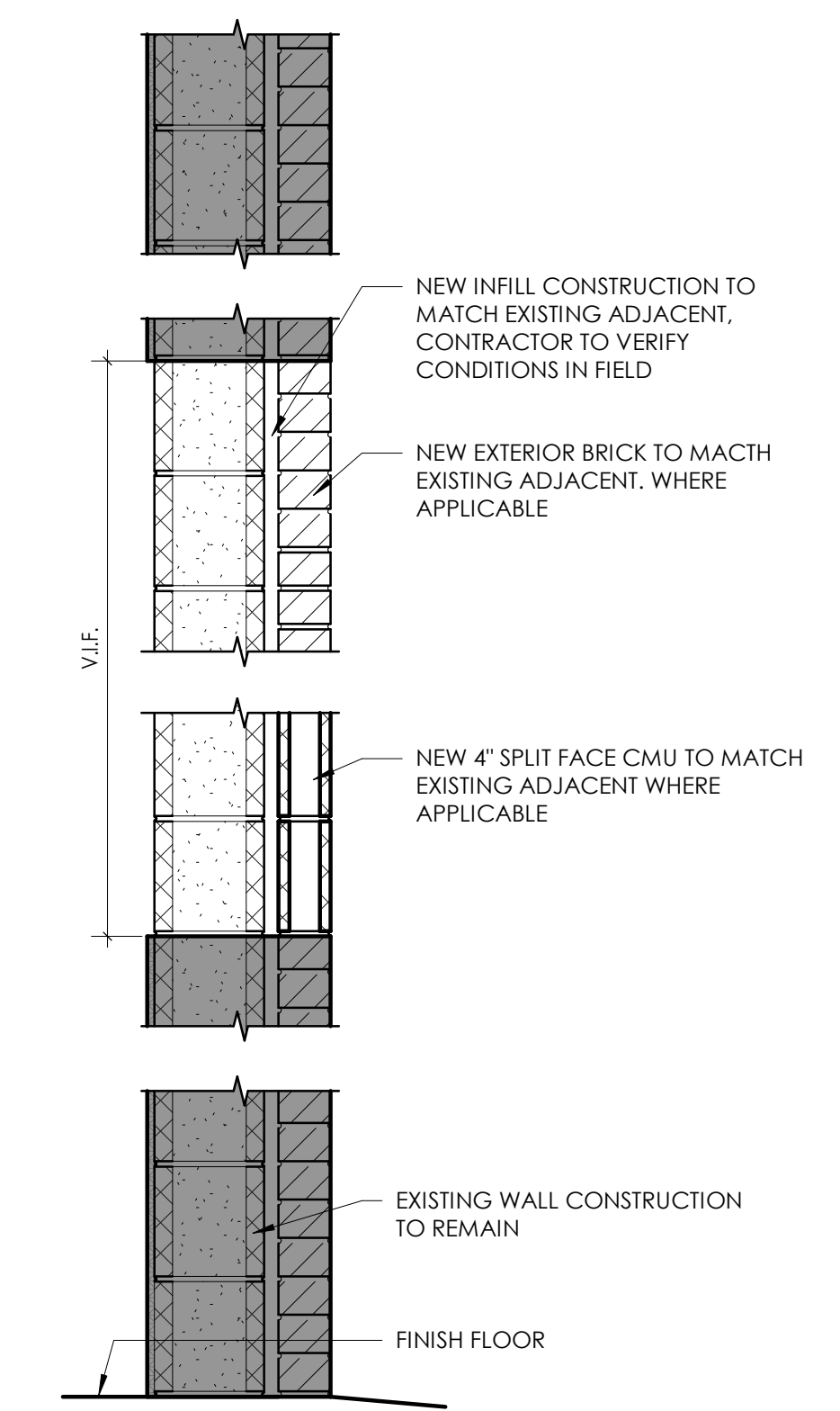
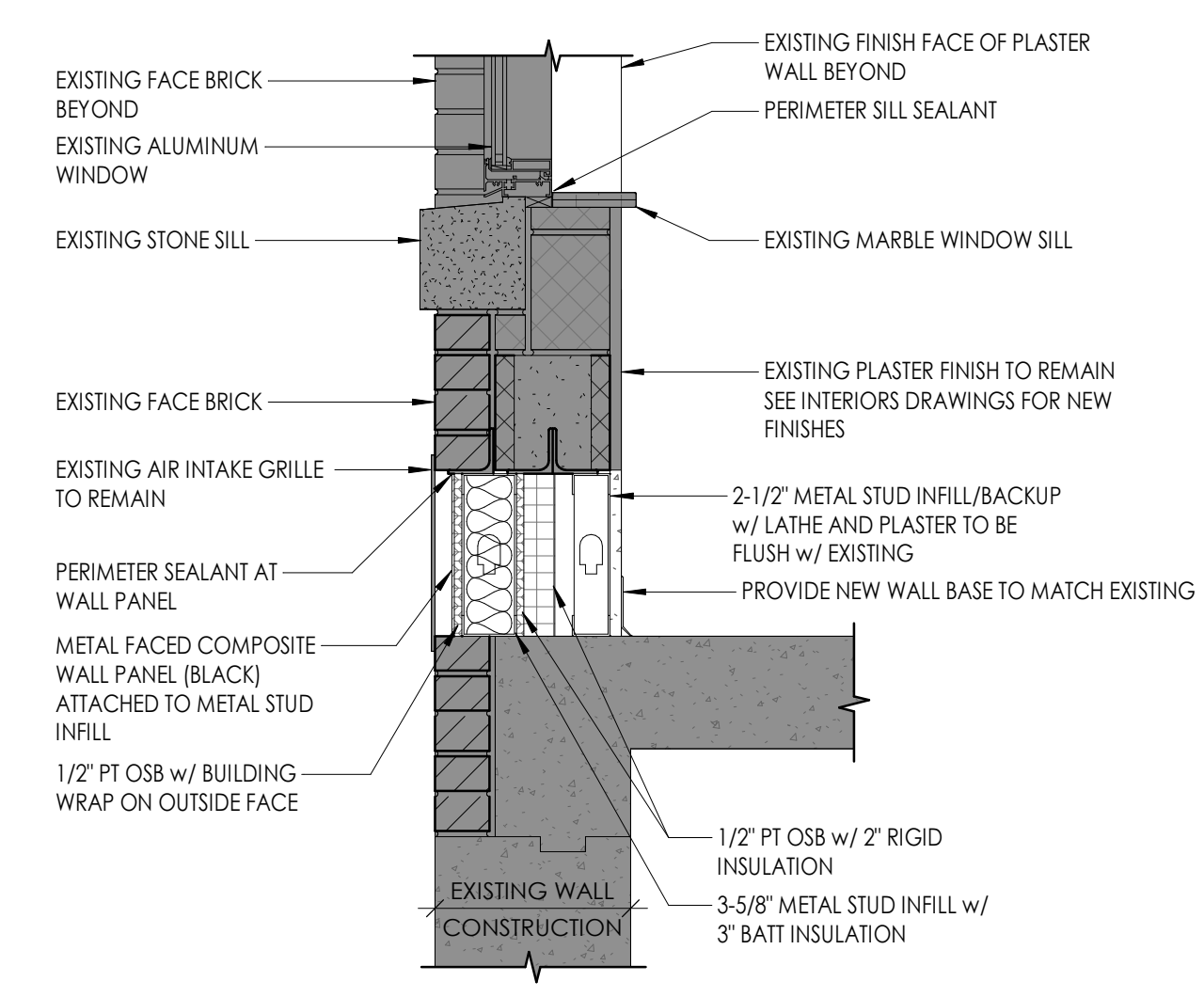
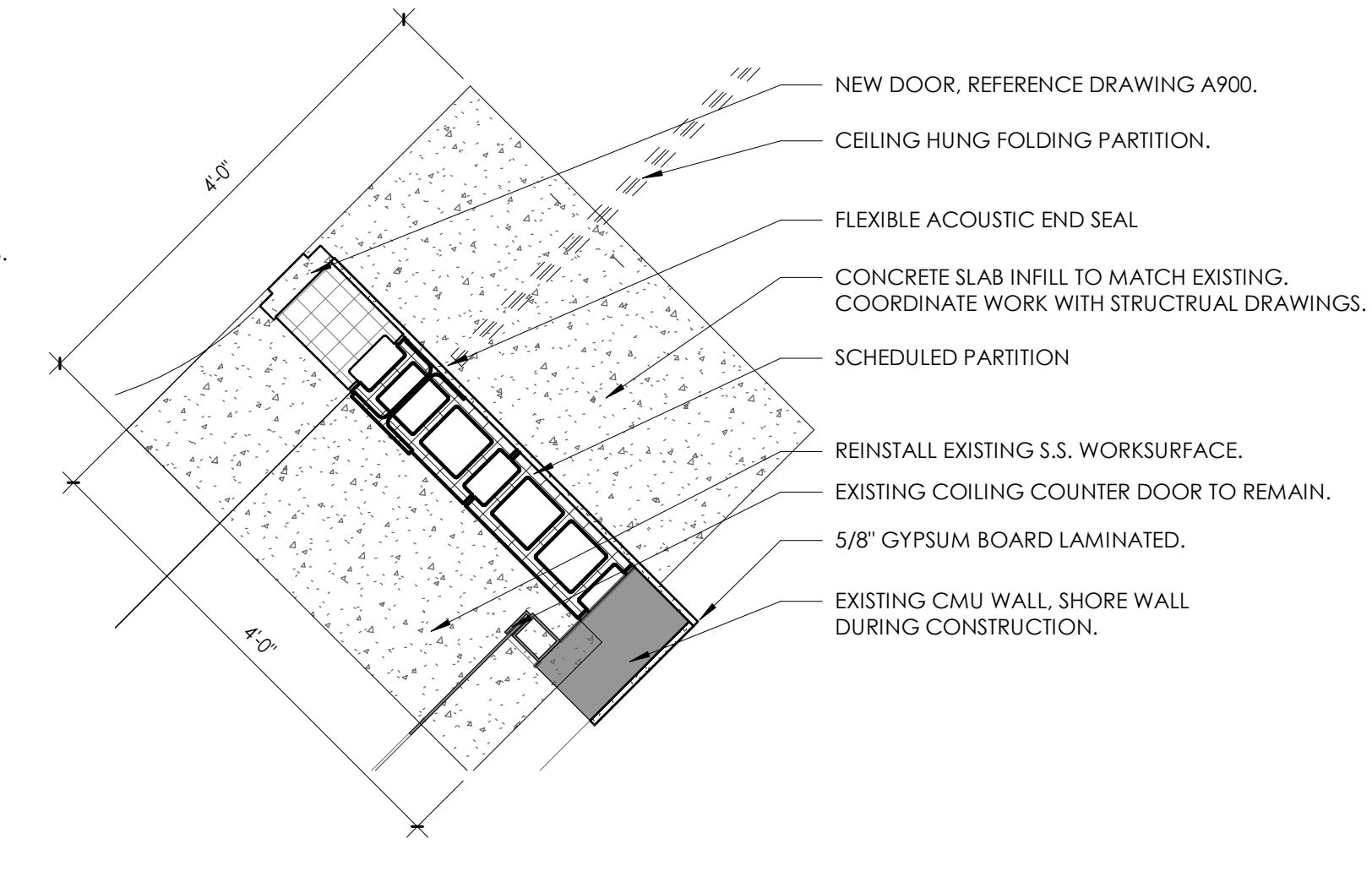
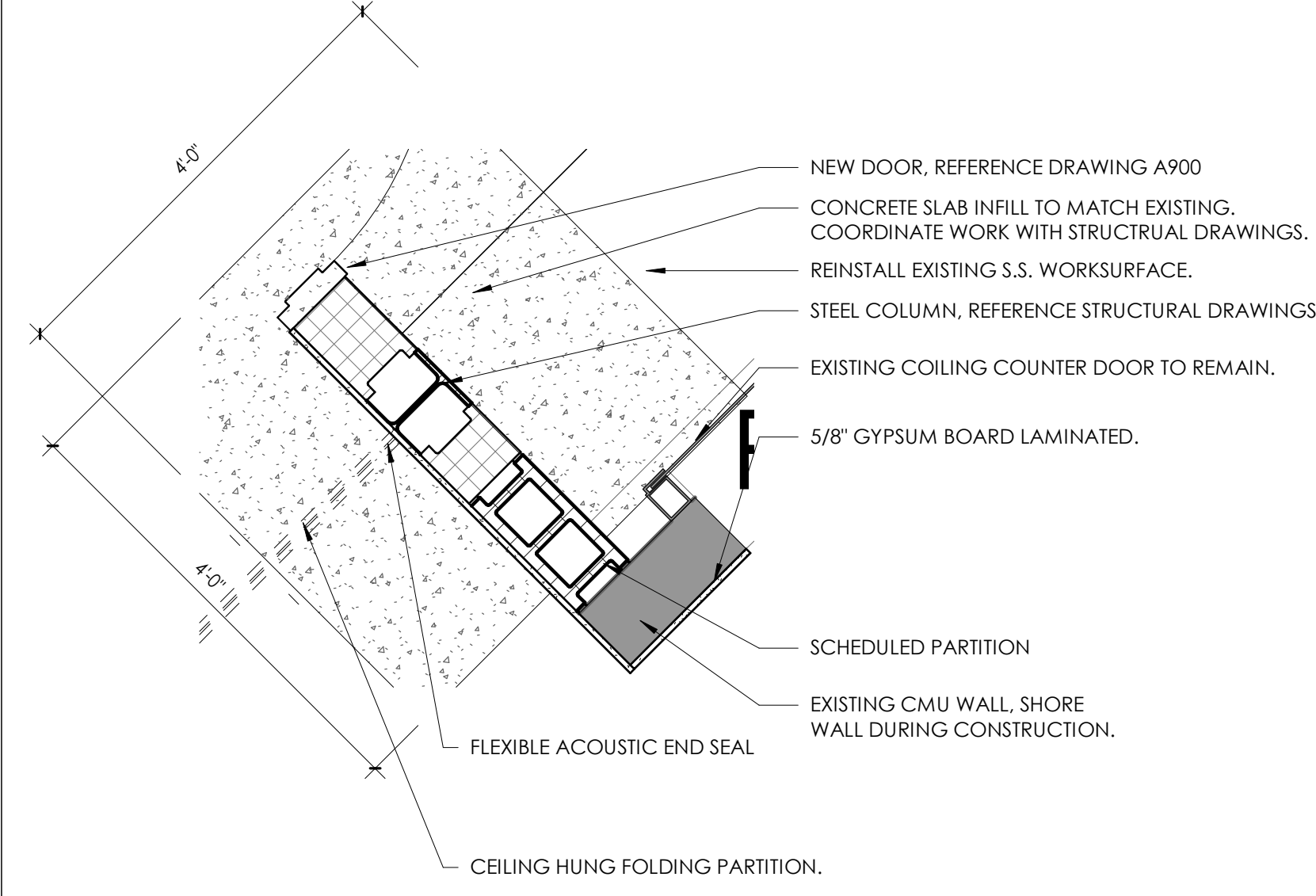
A801 1 1/2" = 1'-0"

### 5 EXISTING WALL DETAIL @ STAGE

A801 1" = 1'-0"

### 6 WALL FURRING DETAIL - ALTERNATE

A801 3/4" = 1'-0"



### 7 PARTITION JAMB DETAIL

A801 3/4" = 1'-0"

### 8 PARTITION JAMB DETAIL

A801 3/4" = 1'-0"

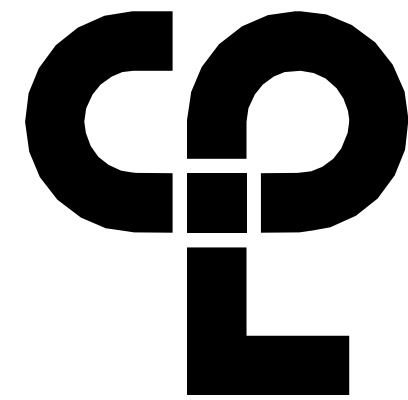
### 10 TYP. UNIT VENTILATOR INFILL DETAIL

A801 1" = 1'-0"

### 11 TYP. WALL INFILL

A801 1" = 1'-0"





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50 FRONT ST. SUITE 202  
NEWBURGH, NY 12550  
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#### PROJECT INFORMATION

Project Number

13940.18

Client Name

NEWBURGH ENLARGED CITY  
SCHOOL DISTRICT

Project Name

PHASE 3: HERITAGE MIDDLE  
SCHOOL 2019 CAPITAL  
IMPROVEMENT PROJECT

Project Address

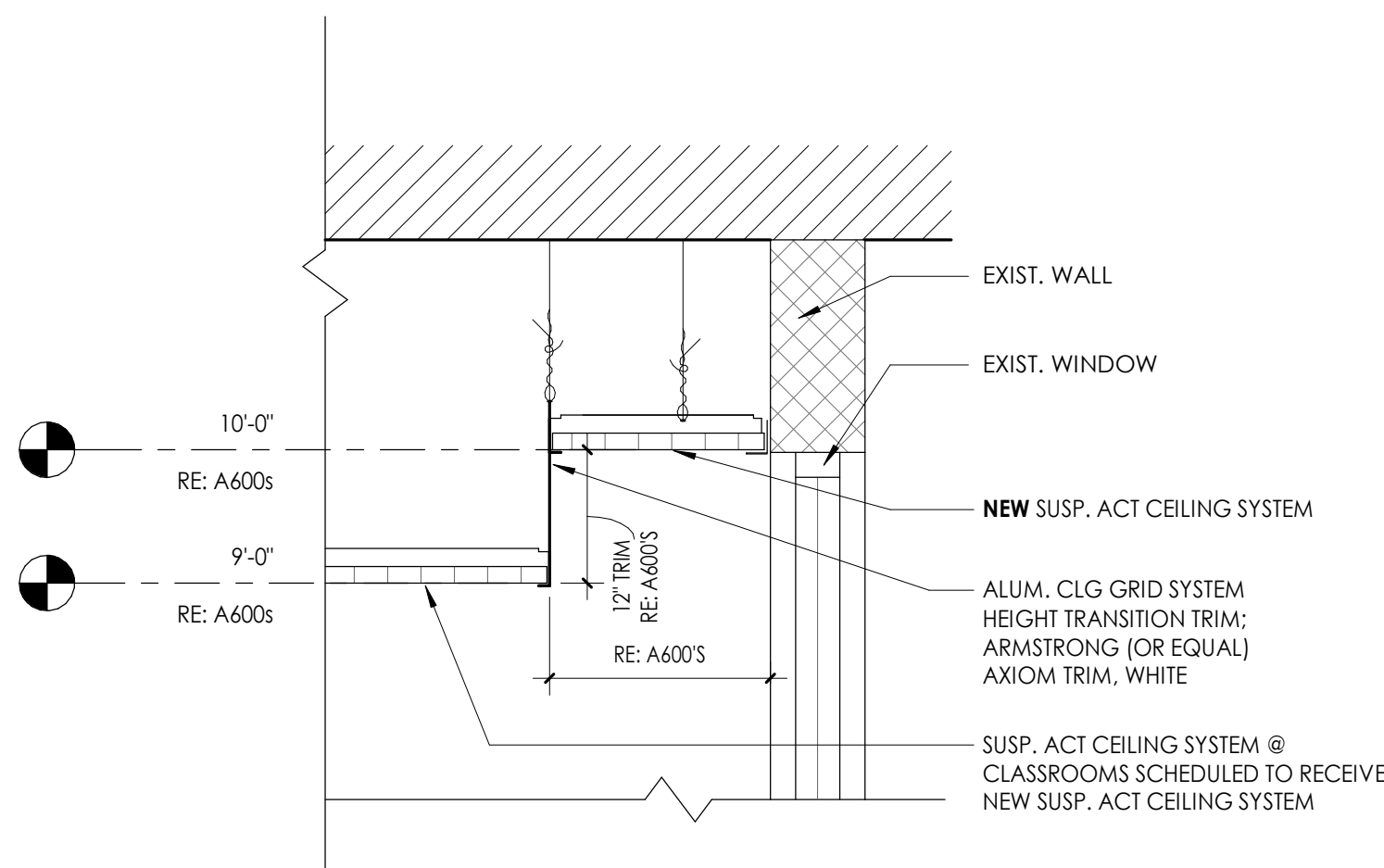
405 Union Avenue, New Windsor, NY 12553

SED Number

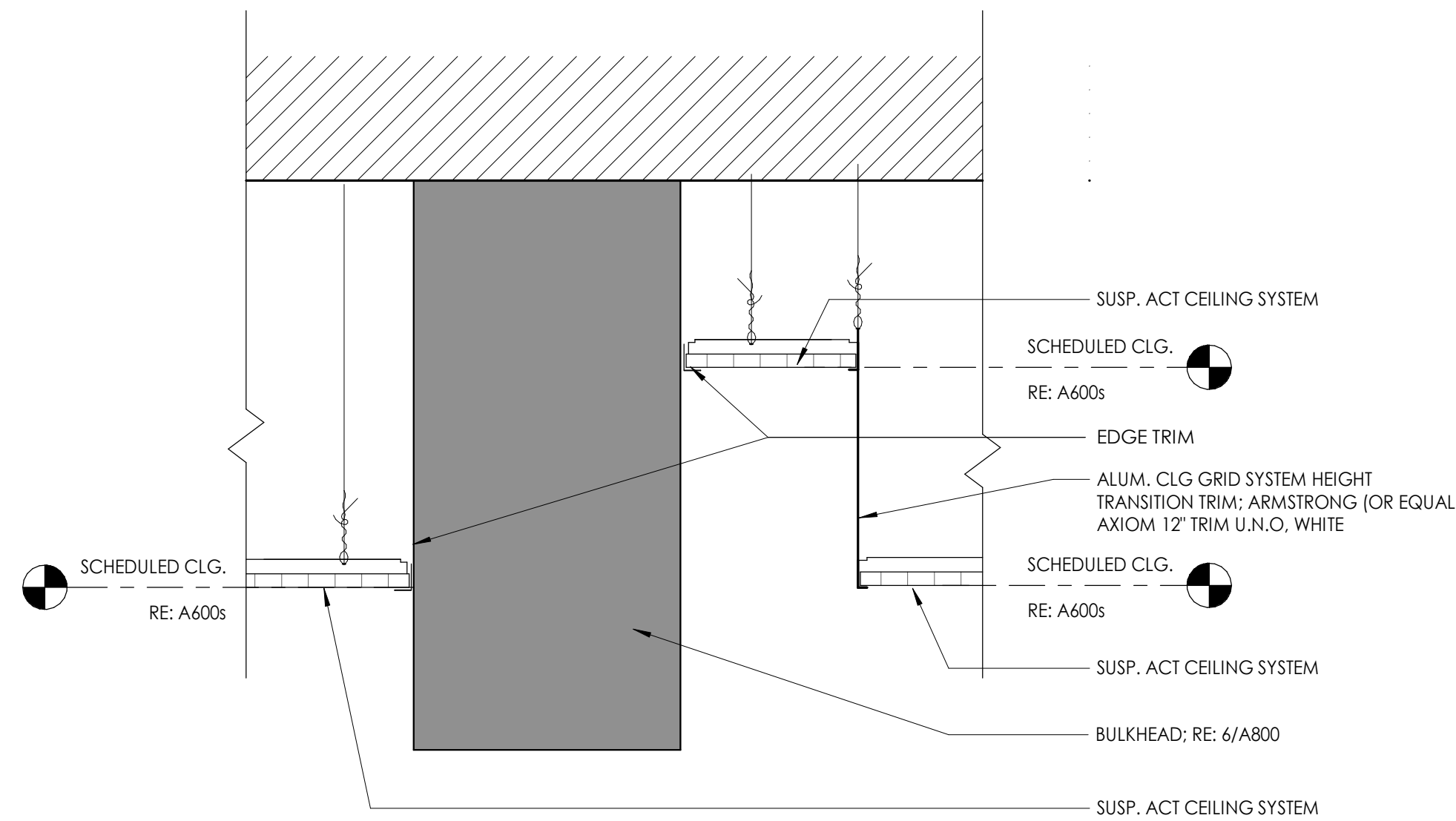
44-16-00-01-0-039-011

#### PROJECT ISSUE SCHEDULE

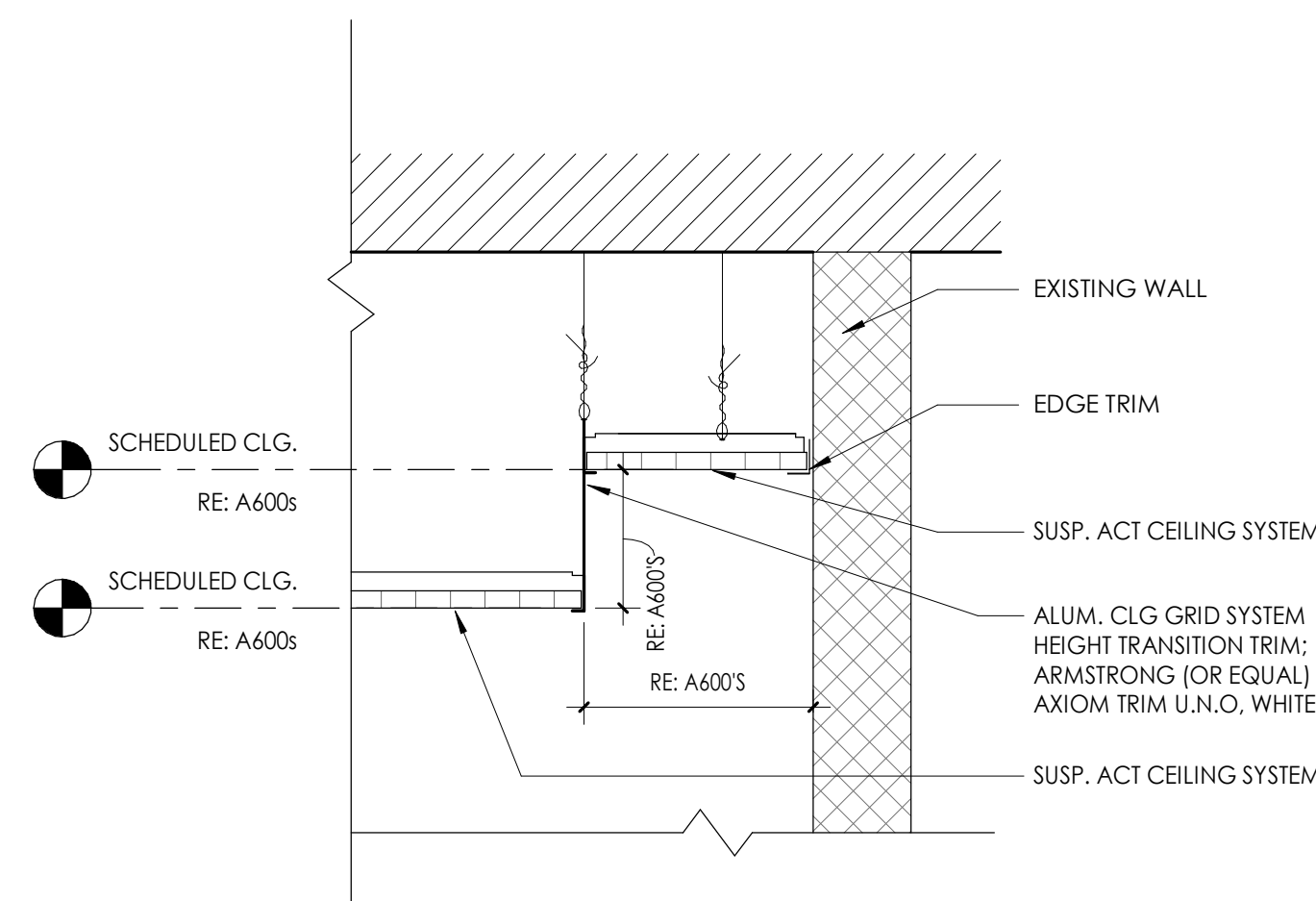
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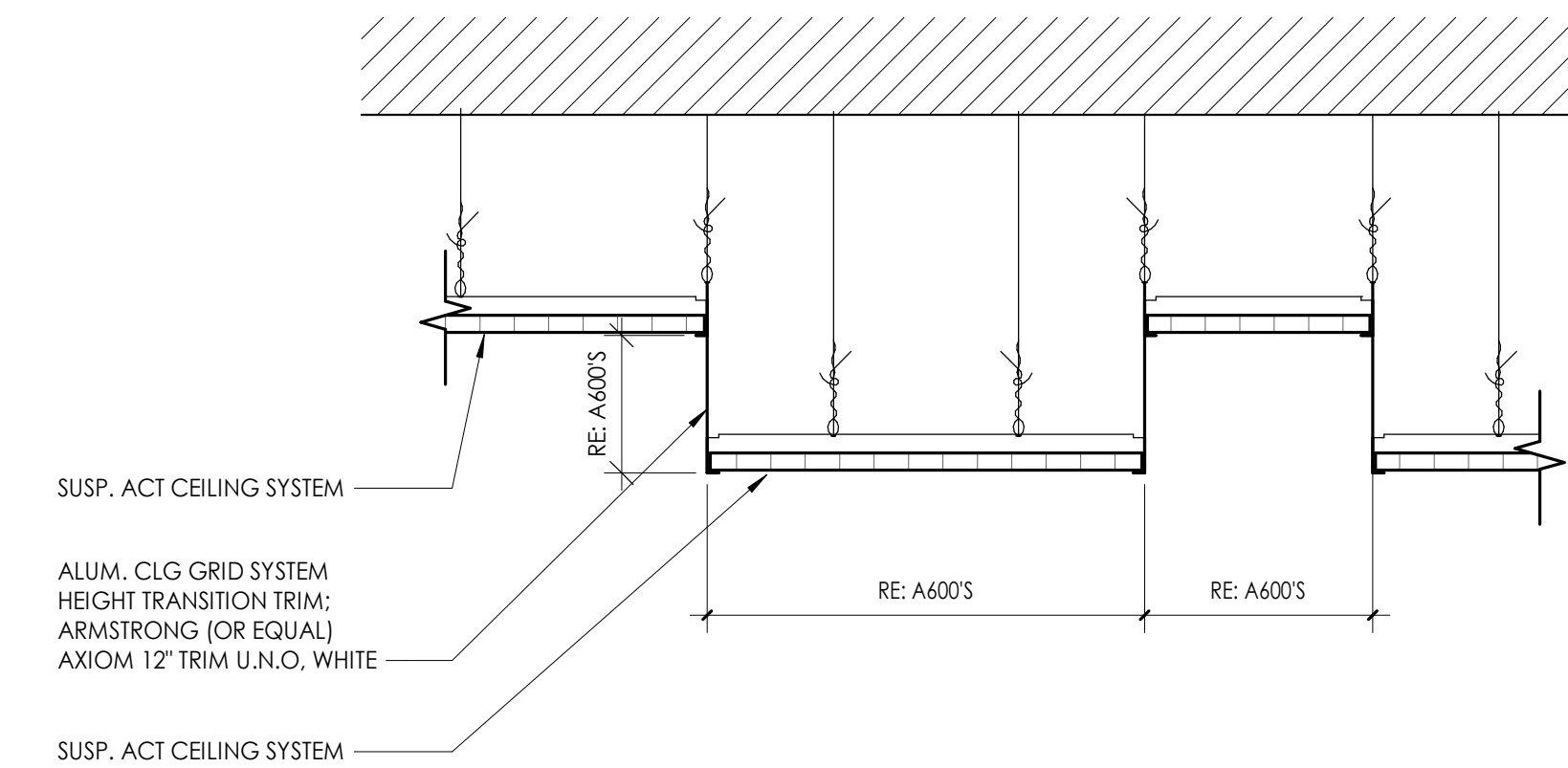
6 CLASSROOM TRANSITION DETAIL - SECOND FLOOR  
1 1/2" = 1'-0"



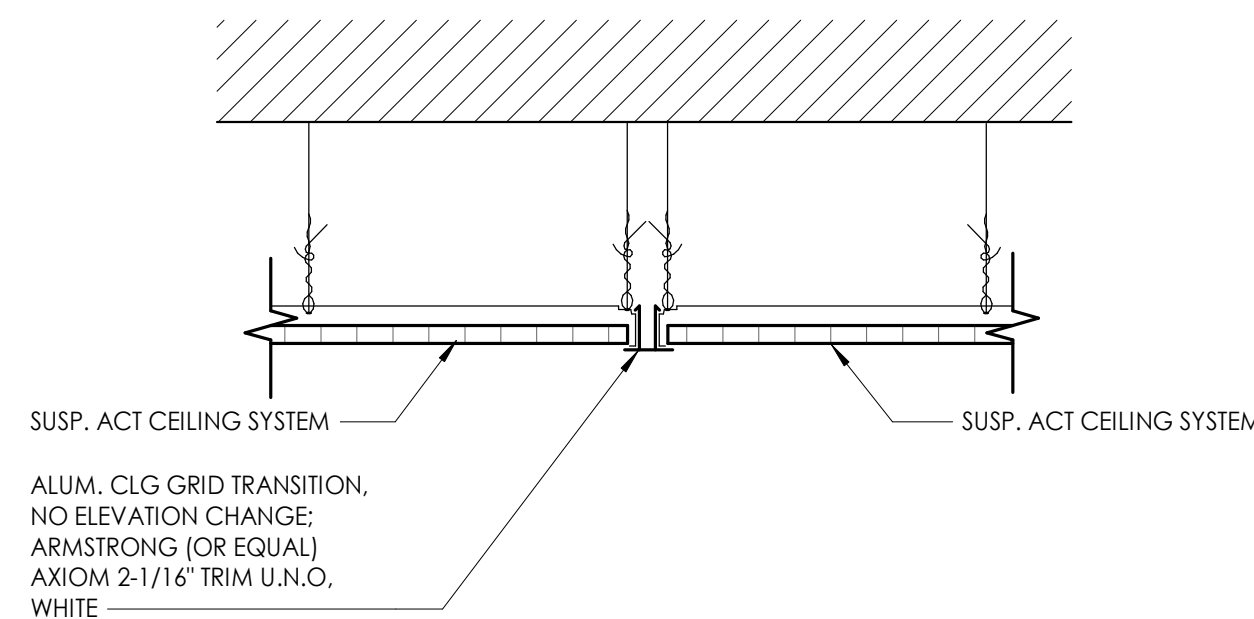
5 ACT TRANSITION DETAIL  
1 1/2" = 1'-0"



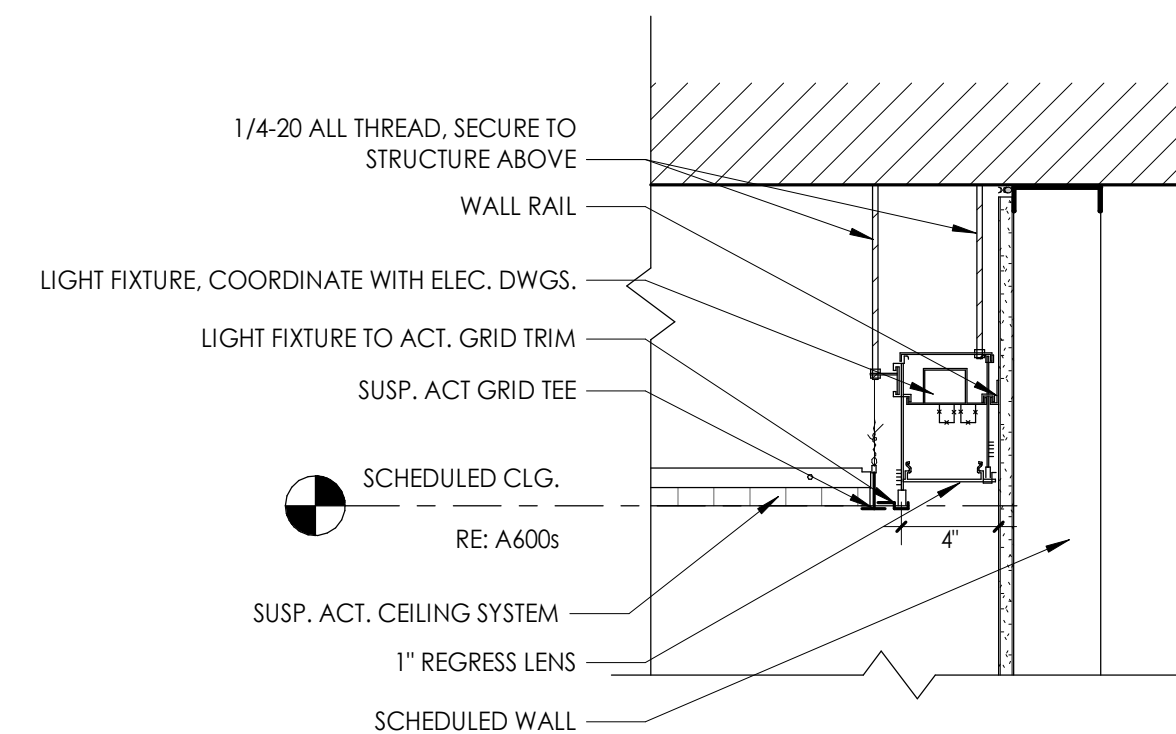
4 ACT TRANSITION DETAIL  
1 1/2" = 1'-0"



3 ACT/ACT CLG. HEIGHT TRANSITION DETAIL  
1 1/2" = 1'-0"



2 ACT/ACT GRID TRANSITION TRIM DETAIL  
1 1/2" = 1'-0"



1 PERIMETER LIGHTING DETAIL  
1 1/2" = 1'-0"

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9/9/2021

Project Status

CONSTRUCTION DOCUMENTS

Drawn By

CPL

Drawing Title

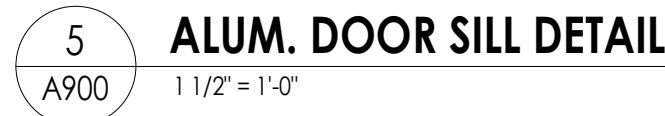
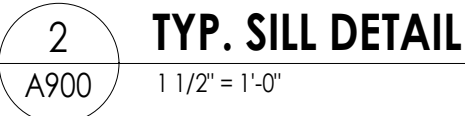
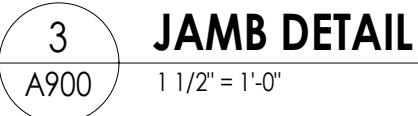
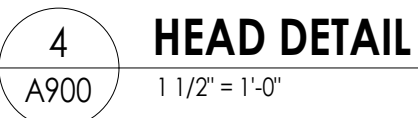
CEILING DETAILS TYP.

Drawing Number

HMS  
A802



DOOR SCHEDULE- NEW																						
DOOR		DOOR PANELS								DOOR FRAME												
NUMBER	FIRE RATING (MIN)	PANEL TYPE		PANEL DIMENSIONS		TOTAL OF PANELS				FINISH 1	TYPE	FACE DIMENSIONS			FINISH 1	HEAD	JAMB	SILL	HW SET	DOOR GLAZING TYPE	COMMENTS	
		PANEL 1	PANEL 2	PANEL 1	PANEL 2	WIDTH	HEIGHT	THICKNESS	UNDERCUT			JAMB WIDTH	HEAD HEIGHT	DEPTH								
50-1	90	PNL-FLHM		3'-0"		3'-0"	7'-0"	0'-1 3/4"	0'-0"	PTM		FRM-00HM1	0'-2"	0'-2"	0'-6 7/8"	PTM		4	3	8	SEE SPEC.	
44B-1	-	PNL-F-HM		3'-0"		3'-0"	7'-2"	0'-1 3/4"	0'-0"	PTM		FRM-00HM1	0'-2"	0'-2"	0'-8 1/2"	PTM		4	3	8	SEE SPEC.	G2
44B-2	-	PNL-N-HM		3'-0"		3'-0"	7'-2"	0'-1 3/4"	0'-0"	PTM		FRM-00HM1	0'-2"	0'-2"	0'-8 1/2"	PTM		4	3	8	SEE SPEC.	G2
44B-1	-	PNL-G2-AL	PNL-G2-AL	3'-0"	3'-0"	6'-0"	7'-0"	0'-2 1/4"	0'-0"	Anodize - Kawneer - 17 - Clear(Class II)		FRM-00AL(CW)	0'-0"	0'-0"	0'-4 1/2"	Anodize - Kawneer - 17 - Clear(Class II)	1	6	5	SEE SPEC.	G1	
44B-2	-	PNL-G2-AL	PNL-G2-AL	3'-0"	3'-0"	6'-0"	7'-0"	0'-2 1/4"	0'-0"	Anodize - Kawneer - 17 - Clear(Class II)		FRM-00AL(CW)	0'-0"	0'-0"	0'-4 1/2"	Anodize - Kawneer - 17 - Clear(Class II)	7	6	5	SEE SPEC.	G1	



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

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

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

## GLAZING TYPES

TYPE MARK	GLAZING DESCRIPTION
G1	1" INSULATED LOW-E GLAZING
G2	MONOLITHIC SAFETY GLAZING

**CPL | Architecture Engineering Planning**  
50 FRONT ST. SUITE 202  
NEWBURGH, NY 12550  
**CPLteam.com**

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SED Number

44-16-00-01-0-039-01

### PROJECT ISSUE SCHEDULE

No.	Date	Description
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2	1999	...
3	2000	...
4	2001	...
5	2002	...
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## SHEET INFORMATION

Issued

9/9/202

### Project Status

## CONSTRU

Drawn by

CPI

CHL

Drawing title

DOOR PANELS, FRAME TYPES &  
SCHEDULES

Drawing Number

HMS  
A900



S:\Projects\Newburgh ECSD\Verbage MS Addtm & Reno\0 Design\06 CND\Revit 9/8/2021 2:16:54 PM

INTERIOR FINISH SCHEDULE						
FINISH CODE	MANUFACTURER	PATTERN/STYLE	COLOR	SIZE	SPECIFICATIONS	NOTES
ACOUSTICAL CEILING TILE (ACT)						
ACT-1	ARMSTRONG OR EQUAL	FINE FISSURED HIGH NRC SQ. LAY-IN #1755	WHITE	24" x 48" x 7/8" THK	CLASS A FIRE PERFORMANCE; NRC .75; CAC 35; WET-FORMED MINERAL FIBER; HUMIGUARD/SAG RESISTANCE; ANTI-MOLD/MILDEW w/BIOBLOCK; 15/16" PRELUDE XL SUSPENSION SYSTEM WHITE	REFER TO A600 SERIES
ACT-2	ARMSTRONG OR EQUAL	MATCH EXISTING	MATCH EXISTING	MATCH EXISTING	CLASS A FIRE PERFORMANCE; HUMIGUARD PLUS SAG RESISTANCE; BIOBLOCK; MILDEW & MOLD RESISTANCE; 15/16" PRELUDE XL SUSPENSION SYSTEM WHITE	INSTALL NEW GRID; CEILING TILE RE-INSTALLED. REFER TO A600 SERIES
ACT-3	ARMSTRONG OR EQUAL	ULTIMA HIGH NRC #1940	WHITE	24" x 24" x 7/8" THK	CLASS A FIRE PERFORMANCE; NRC .80; CAC 35; 88% LIGHT REFLECTANCE; HUMIGUARD PLUS SAG RESISTANCE; BIOBLOCK, MILDEW & MOLD RESISTANCE; SQUARE LAY-IN TILE WITH 15/16" PRELUDE XL SUSPENSION SYSTEM WHITE	CAFETERIA TYP. CEILING; PROVIDE ARMSTRONG OR EQUAL AXIOM ALUMINUM TRIM. WHITE WHERE NOTED REFER TO A600 SERIES
ACT-4	ARMSTRONG OR EQUAL	CALLA #2820	COLOR: MATCH ELIEE GRAY SW7650	24" x 24" x 1" THK	CLASS A FIRE PERFORMANCE; NRC .85; CAC 35; HUMIGUARD PLUS SAG RESISTANCE; BIOBLOCK, MILDEW & MOLD RESISTANCE; SQUARE LAY-IN TILE WITH 15/16" PRELUDE XL SUSPENSION SYSTEM, FACTORY FINISHED ELIEE GRAY SW7650	CAFETERIA; GRID FACTORY FINISHED TO MATCH TILE; CUSTOM, PROVIDE 4-8 WEEK LEAD TIME
ACT-5	ARMSTRONG OR EQUAL	CALLA #2820	COLOR: MATCH IN THE NAVY SW9178	24" x 24" x 1" THK	CLASS A FIRE PERFORMANCE; NRC .85; CAC 35; HUMIGUARD PLUS SAG RESISTANCE; BIOBLOCK, MILDEW & MOLD RESISTANCE; SQUARE LAY-IN TILE WITH 15/16" PRELUDE XL SUSPENSION SYSTEM FACTORY FINISHED IN THE NAVY SW9178	CAFETERIA; GRID FACTORY FINISHED TO MATCH TILE; CUSTOM, PROVIDE 4-8 WEEK LEAD TIME
ACT-6	ARMSTRONG OR EQUAL	SOUNDSCAPES	COLOR: MATCH MATCH IN THE NAVY SW9178	3'-10"DIA.	CLASS A FIRE PERFORMANCE; 90% LIGHT REFLECTANCE; HUMIGUARD PLUS SAG RESISTANCE; SABIN UP TO 1.18; INSTALL WITH DECK HANGING KIT PRE MANUFACTURERS RECOMMENDATION	CAFETERIA; CUSTOM, PROVIDE 4-8 WEEK LEAD TIME

ACOUSTICAL WALL TREATMENT (AWT)						
AWT-1	MDC OR EQUAL	ZINTRA	CUSTOM GRAPHIC DESIGN; REFER TO D0006951 SHERWIN WILLIAMS SW9178 IN THE NAVY & SW6129 RESTRAINED GOLD COLOR GRADIENT COLOR LINE 1	4' x 8' x 1/2"	100% POLYESTER; 0.45-0.95 NRC; 0.5lb; CLASS A; NOT LESS THAN 4.5 AFTER 20 AFU PER AATCC 16.3, OPTION 3; Z-CLIP MOUNTING	CAFETERIA; REFER TO ELEVATIONS, A700 SERIES

COLUMN ENCLOSURE (CE)						
CE-1	MOZ DESIGNS INC. OR EQUAL	CC 100 SERIES ROUND COLUMN COVERS	POWDER COATED FINISH; MATCH SHERWIN WILLIAMS SW9166 DRIFT OF MIST	VIF	.090" ALUMINUM TYPE 5052 ALLOY COMPLYING WITH ASTM B209; POWDER COAT FACTORY FINISHED WITH DURAFILM SATIN; VERTICAL BUTT-JOINTS (VBJ); 2 SECTIONS; RECESSED 6" H BASE	REFER TO DETAIL 8/A800

CORNER GUARD (CG)						
CG-1	INPRO CORP. OR EQUAL	STAINLESS STEEL CORNER GUARD	SATIN FINISH NO. 4	1-1/2" WING x 5/2" AFF	ADHESIVE MOUNT; 1/8" RADIUS TYP.; MOUNT ABOVE WALL BASE; 5/2" AFF - ALIGN WITH WALL COVERING (WC-1)	WHERE INDICATED; REF. I2003

EPOXY PAINT (EPT)						
EPT-1	SHERWIN WILLIAMS OR EQUAL	PRO INDUSTRIAL HIGH PERFORMANCE WATER BASED CATALYZED EPOXY	DRIFT OF MIST SW9166	N/A	ABRASION RESISTANCE 1,000 CYCLES; ASTM D 2794; EGG-SHELL FINISH; GREENGUARD GOLD; PREPRITE LATEX BLOCK FILLER	FIELD, U.N.O.
EPT-2	SHERWIN WILLIAMS OR EQUAL	PRO INDUSTRIAL HIGH PERFORMANCE WATER BASED CATALYZED EPOXY	IN THE NAVY SW9178	N/A	ABRASION RESISTANCE 1,000 CYCLES; ASTM D 2794; EGG-SHELL FINISH; GREENGUARD GOLD; PREPRITE LATEX BLOCK FILLER	ACCENT
EPT-3	SHERWIN WILLIAMS OR EQUAL	PRO INDUSTRIAL HIGH PERFORMANCE WATER BASED CATALYZED EPOXY	RESTRAINED GOLD SW6129	N/A	ABRASION RESISTANCE 1,000 CYCLES; ASTM D 2794; EGG-SHELL FINISH; GREENGUARD GOLD; EXTREME BOND PRIMER	ACCENT
EPT-4	SHERWIN WILLIAMS OR EQUAL	PRO INDUSTRIAL HIGH PERFORMANCE WATER BASED CATALYZED EPOXY	DRIFT OF MIST SW9166	N/A	ABRASION RESISTANCE 1,000 CYCLES; ASTM D 2794; EGG-SHELL FINISH; GREENGUARD GOLD; EXTREME BOND PRIMER	COLUMNS
EPT-5	SHERWIN WILLIAMS OR EQUAL	PRO INDUSTRIAL HIGH PERFORMANCE WATER BASED CATALYZED EPOXY	ELLIE GRAY SW7650	N/A	ABRASION RESISTANCE 1,000 CYCLES; ASTM D 2794; SEMI-GLOSS FINISH; GREENGUARD GOLD; EXTREME BOND PRIMER	RAILINGS @ STAGE

HIGH PRESSURE LAMINATE						
HPL-1	WILSONART OR EQUAL	HIGH WEAR HPL-HGS	SHADOW ZEPHYR #4857-60	FULL SHEET	RE-LAMINATE EXISTING CAFETERIA STATION; PROVIDE CS ALUMINUM EDGE TRIM #WCOS-AF OR EQUAL; MATTE FINISH; AEON SCRATCH RESISTANCE; ANTI-MICROBIAL PROTECTION; CLASS A; MEETS OR EXCEEDS 400 SURFACE WEAR CYCLES	CAFETERIA STATION

PAINT (PT)						
PT-1	SHERWIN WILLIAMS OR EQUAL	PROMAR 200	DRIFT OF MIST SW9166	N/A	ZERO VOC; SEMI-GLOSS FINISH; REFER TO SPECIFICATIONS	DOOR FRAMES
PT-2	SHERWIN WILLIAMS OR EQUAL	PROMAR 200	CEILING BRIGHT WHITE SW7007	N/A	ZERO VOC; FLAT FINISH; REFER TO SPECIFICATIONS	CEILINGS

RESILIENT BASE (RB)						
RB-1	TARKETT OR EQUAL	TRADITIONAL COVE BASE	CLAY #09	4" H	100FT COILS; 1/8" THK; FLOORSCORE CERTIFIED; PRE-CONSUMER RECYCLED CONTENT 14%; CLASS 1	WALL BASE @ CAFETERIA; MITER @ CORNERS
RB-2	TARKETT OR EQUAL	TRADITIONAL COVE BASE	CLAY #09	6" H	1/8" THK; FLOORSCORE CERTIFIED; PRE-CONSUMER RECYCLED CONTENT 14% CLASS 1	WALL BASE @ EXISTING REGISTER MILLWORK STATION

RESILIENT TILE (RT)						
RT-1	TARKETT OR EQUAL	RUBBER FLOOR TILE SOLID COLOR	CLAY #09	24" X 24" TILE	CONCRETE TEXTURE; GLUE-DOWN; 0.125" TOTAL THICKNESS; USE MANUFACTURERS' RECOMMENDED ADHESIVES	GYMNASIUM ALT. GC-6; REFER TO SPECIFICATIONS; RAMP @ CAFETERIA

RUBBER STAIR TREAD/RISER (RST)						
RST-1	TARKETT OR EQUAL	RUBBER STAIR TREADS w/INTEGRATED RISER	VIHNTR-09-CLAY	AS REQUIRED BY TREAD WIDTH	RUBBER STAIR TREAD w/INTEGRATED RISER; GLUE-DOWN; HAMMERED FINISH w/PHOTOLUMINESCENT INSERT; CLASS 1 NFPA 253; PASSES ASTM F-1861; REFER TO SPECIFICATIONS	NOSING @ TOP OF STAIR #VIVSN-09 TO CONCRETE; #VIVCN-09-82 TO RESILIENT TILE REFER TO ALT. GC-6
RST-2	TARKETT OR EQUAL	RUBBER STAIR TREADS w/INTEGRATED RISER	HNTR-09-CLAY	AS REQUIRED BY TREAD WIDTH	RUBBER STAIR TREAD w/INTEGRATED RISER; GLUE-DOWN; HAMMERED FINISH; CLASS 1 NFPA 253; PASSES ASTM F-1861; REFER TO SPECIFICATIONS	REFER TO CAFETERIA ALT. GC-5; NOSING @ TOP OF STAIR #VCL-09-SQ

SOLID SURFACE MATERIAL (SSM)						
SSM-1	WILSONART OR EQUAL	GRADE C	GRADE C	VARIES	1/2" THICKNESS; EASED EDGES; CLASS A FIRE RATED; STAIN & BACTERIAL RESISTANT	NEW WINDOW SILLS

SOLID VINYL TILE						
SVT-1	TOLI OR EQUAL	FASOLPLUS	BLUEBERRY #2006	17.7" x 17.7" x 3mm	FLOORSCORE CERTIFIED; ASTM F 925 PASSES; CLASS 1 FIRE RATED; HOMOGENOUS; NO WAX OR STRIPPING REQUIRED; 5% RECYCLED CONTENT	CAFETERIA; REF. I300 PATTERN PLAN; BASIS OF DESIGN, CONTACT: JEFF KATZ SR. MANAGER OF FLOORING DIVISION jkatz@cbcamerica.com, c: 919-896-9671; PROVIDE ARDEX OR EQUAL MC RAPID MOSTIURE BARRIER + V1200 SELF-LEVELING UNDERLAYMENT
SVT-2	TOLI OR EQUAL	FASOLPLUS	TWILIGHT #2035	17.7" x 17.7" x 3mm	FLOORSCORE CERTIFIED; ASTM F 925 PASSES; CLASS 1 FIRE RATED; HOMOGENOUS; NO WAX OR STRIPPING REQUIRED; 5% RECYCLED CONTENT	CAFETERIA; REF. I300 PATTERN PLAN; BASIS OF DESIGN, CONTACT: JEFF KATZ SR. MANAGER OF FLOORING DIVISION jkatz@cbcamerica.com, c: 919-896-9671; PROVIDE ARDEX OR EQUAL MC RAPID MOSTIURE BARRIER + V1200 SELF-LEVELING UNDERLAYMENT

INTERIOR FINISH SCHEDULE						
FINISH CODE	MANUFACTURER	PATTERN/STYLE	COLOR	SIZE	SPECIFICATIONS	NOTES
SVT-3	TOLI OR EQUAL	LINOTESTA	MUSHROOM #508	17.7" x 17.7" x 3mm	FLOORSCORE CERTIFIED; ASTM F 925 PASSES; CLASS 1 FIRE RATED; HOMOGENOUS; NO WAX OR STRIPPING REQUIRED; 5% RECYCLED CONTENT	CAFETERIA; REF. I300 PATTERN PLAN; BASIS OF DESIGN, CONTACT: JEFF KATZ SR. MANAGER OF FLOORING DIVISION jkatz@cbcamerica.com, c: 919-896-9671; PROVIDE ARDEX OR EQUAL MC RAPID MOSTIURE BARRIER + V1200 SELF-LEVELING UNDERLAYMENT

TRANSITION (TS)						
TS-1	SCHLUTER OR EQUAL	ADA TRANSITION; SCHIENE	SATIN ANODIZED ALUMINUM (AE)	AS REQUIRED	REFER TO TRANSITION TYPES; MUST MEET ADA REQUIREMENTS FOR SLOPE	RESIENT TILE TO EXISTING TILE
TS-2	TARKETT OR EQUAL	ADA TRANSITION; SLIM LINE TRANSITIONS	SLT-09-B	AS REQUIRED	REFER TO TRANSITION TYPES; MUST MEET ADA REQUIREMENTS FOR SLOPE	RESILIENT TILE TO EXISTING VCT
TS-3	TARKETT OR EQUAL	ADA TRANSITION; SLIM LINE TRANSITIONS	SLT-09-B	AS REQUIRED	REFER TO TRANSITION TYPES; MUST MEET ADA REQUIREMENTS FOR SLOPE	RESILIENT TILE TO RUBBER TILE
TS-4	TARKETT OR EQUAL	TBD	TBD	AS REQUIRED	REFER TO TRANSITION TYPES	WOOD TO RUBBER TILE
TS-5	TARKETT OR EQUAL	ADA TRANSITION; REDUCER	RRS-09-B	AS REQUIRED	REFER TO TRANSITION TYPES; MUST MEET ADA REQUIREMENTS FOR SLOPE	RUBBER TILE TO CONCRETE

TRIM STRIP (TR)						
TR-1	FRY REGLET OR EQUAL	WALLCOVERING TRIM #WCTBT125-217	CLEAR ANODIZED ALUMINUM	VIF	WALLCOVERING TRIM & TERMINATION; ALUMINUM EXTRUDED 6063 T5 w/CHEMICAL CONVERSION COATING; REFER TO MANUFACTURER'S INSTALLATION INSTRUCTIONS	INSTALL @ TOP WC-1; CLEAR CAULK @ TOP EDGE WHERE TRIM MEETS CMU

VINYL COMPOSITION TILE (VCT)						
VCT-1	ARMSTRONG OR EQUAL	STANDARD EXCELON IMPERIAL TEXTURE	GENTIAN BLUE #51946	12" x 12" x 1/8"	CLASS A; FAST START FACTORY FINISH; POLISH FINISH & MAINTENANCE; USE MANUFACTURER RECOMMENDED ADHESIVES	ALTERNATE GC-7; PROVIDE ARDEX OR EQUAL MC RAPID MOSTIURE BARRIER + V1200 SELF-LEVELING UNDERLAYMENT
VCT-2	ARMSTRONG OR EQUAL	STANDARD EXCELON IMPERIAL TEXTURE	BODACIOUS BLUE #57517	12" x 12" x 1/8"	CLASS A; FAST START FACTORY FINISH; POLISH FINISH & MAINTENANCE; USE MANUFACTURER RECOMMENDED ADHESIVES	ALTERNATE GC-7; PROVIDE ARDEX OR EQUAL MC RAPID MOSTIURE BARRIER + V1200 SELF-LEVELING UNDERLAYMENT
VCT-3	ARMSTRONG OR EQUAL	STANDARD EXCELON IMPERIAL TEXTURE DIAMOND 10	DESERT BEIGE #Z1809	12" x 12" x 1/8"	CLASS A; FAST START FACTORY FINISH; POLISH FINISH & MAINTENANCE; USE MANUFACTURER RECOMMENDED ADHESIVES	ALTERNATE GC-7; PROVIDE ARDEX OR EQUAL MC RAPID MOSTIURE BARRIER + V1200 SELF-LEVELING UNDERLAYMENT

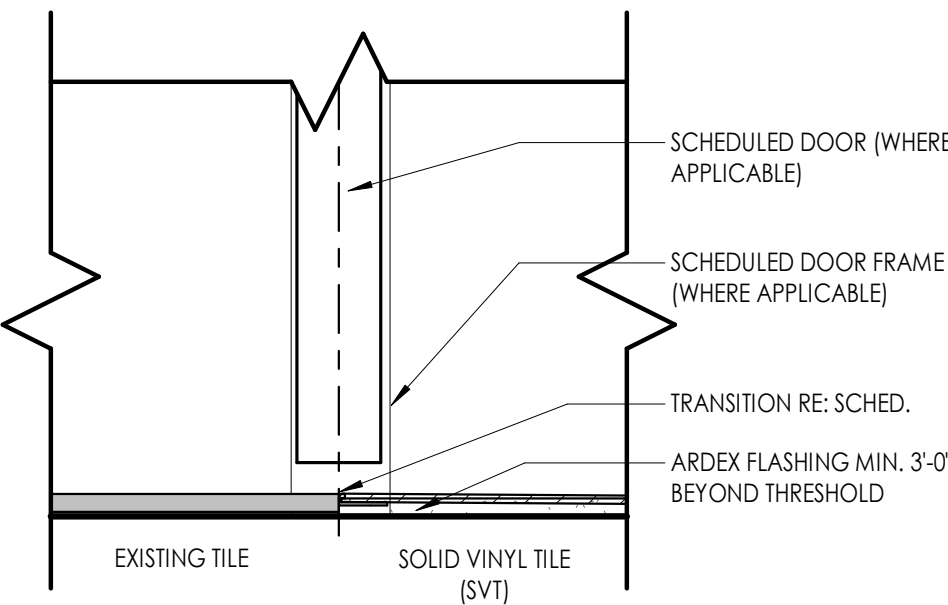
WALLCOVERING (WC)						
WC-1	WOLF GORDON OR EQUAL	RAMPART w/STRONGHOLD	GRAIN MAPLE #GAI 5105	52"W	100% VINYL; SURCOAT STAIN & ABRASION RESISTANT TREATMENT; DENSE COTTON BACKING; 35 oz PER LINEAR YARD; CLASS A; MEETS OR EXCEEDS FEDERAL SPECIFICATIONS CCC-W-408D FOR TYPE III WALLCOVERING; LOW EMITTING - PASSES CAL 01350 STD; CONTAINS 10% PRE-CONSUMER RECYCLED CONTENT; FREE OF FORMALDEHYDE, HEAVY METALS, SOLVENTS, CORROCT MINERALS; PRINTED w/SOLVENT-FREE INKS; PROVIDE STRONGHOLD WALL LINER RSL 602 @ SHEET ROCK LOCATIONS; PROVIDE STRONGHOLD WALL LINER RSL 603 @ CONCRETE BLOCK LOCATIONS	BUTT-JOINT; RAILROADED; TRIM & EDGE PIECES REQUIRED.

WINDOW TREATMENT (WT)						
WT-1	DRAPERY INDUSTRIES OR EQUAL	BLUESHADE ROLLER SHADE w/FASCIA	WHITE/GREY #002131; ANODIZED GREY FASCIA	FULL RANGE; WIDTH VARIES; G.C. TO VERIFY IN FIELD	BLUESHADE ARC MOTORIZED ROLLER SHADE w/4" SQUARE FASCIA; T-SCREEN 3% SHADE CLOTH; FULL RANGE; REFER TO 'E' SERIES FOR ADDITIONAL INFORMATION	CAFETERIA WINDOWS; BY OWNER

WOOD FLOORING (WD)						
WD-1	ROBBINS INC. OR EQUAL	SPORTWOOD DIRECT	STAIN: TBD	7/16" THICK	SOLID HARDWOOD MFMA MAPLE PARQUET FLOORING; STRAIGHT-LAY INSTALLATION; 2-CITS OR MORE OF PENETRATING SEALER; LOW GLOSS FINISH; PROVIDE VENTED COVE BASE ANCHORED TO WALL. USE PRE-MOLDED OUTSIDE CORNERS & METER INSIDE CORNERS	GYMNASIUM STAGE; ALT. GC-6

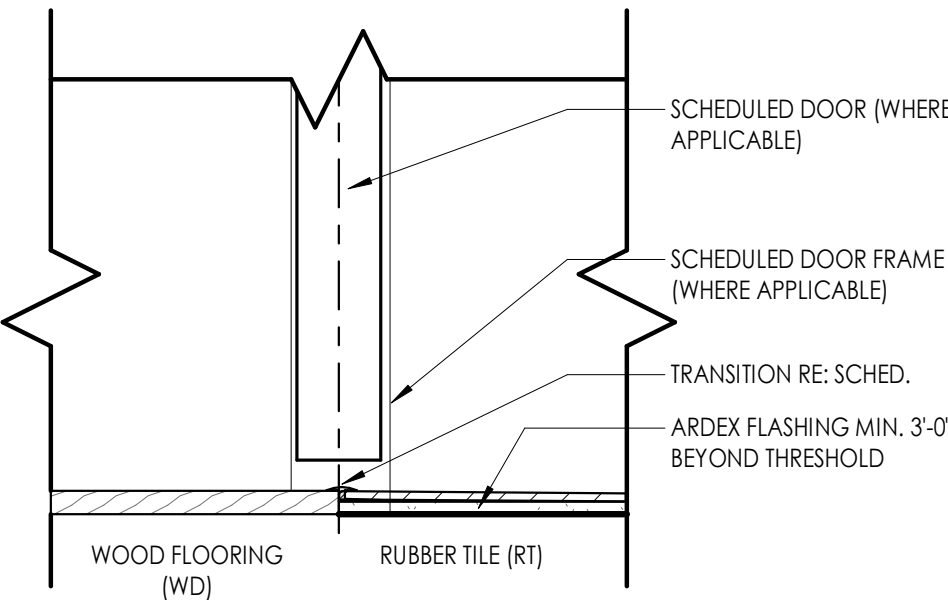
## TYPICAL TRANSITION TYPES:

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



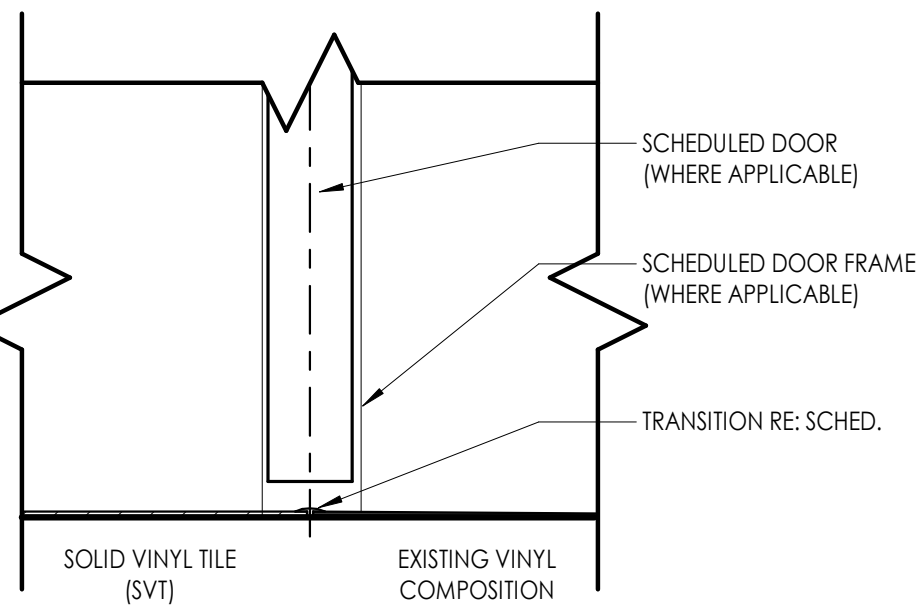
TS1

TILE TO SVT



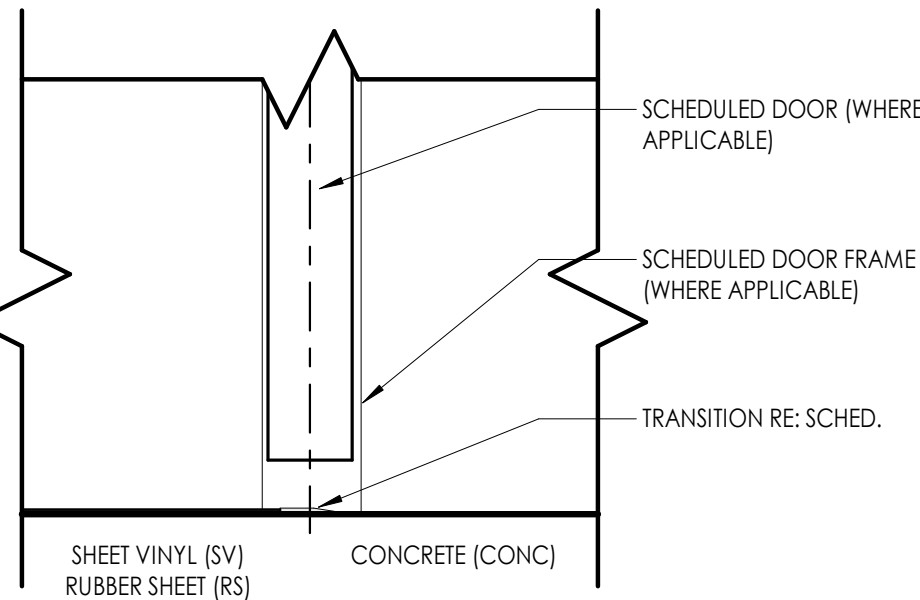
TS4

WD TO RT



TS2

SVT TO VCT



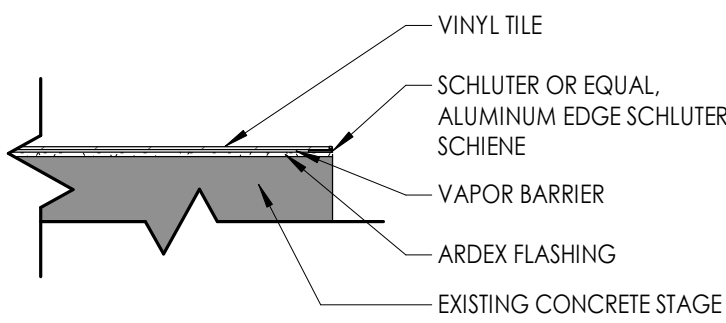
TS5

SV/RS/RT TO CONC

## FINISH ABBREVIATIONS

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

ACT	ACOUSTICAL CEILING TILE	RB	RESILIENT BASE
AGL	ART GLASS	RP	RESIN PANEL
AWP	ACOUSTICAL WALL PANEL	RS	RESILIENT SHEET
CC	CUBICLE CURTAIN	RST	RESILIENT STAIR TREAD
CG	CORNER GUARD	RT	RESILIENT TILE
CHR	CHAIR RAIL	SC	SPECIALTY CEILING
CPT	CARPET	SCON	SEALED CONCRETE
CR	CRASH RAIL	SN	STAIR NOSING & RISER
DG	DIGITAL GRAPHIC	SSM	SOLID SURFACE MATERIAL
DS	DIVIDER STRIP	ST	STONE VENEER
DWC	DIGITAL WALL COVERING	SV	SHEET VINYL
DWP	DIGITAL WALL PANEL	SWP	SHEET WALL PROTECTION
EPT	EPOXY PAINT	TB	TILE BASE
ERF	EPOXY RESIN FLOOR	TER	TERRAZZO
ETR	EXPANSION TO REMAIN	TF	TILE FLOOR
EXP	EXPANSION JOINT COVER	TR	TRIM
FILM	FILM	TS	TRANSITION STRIP
FRP	FIBER REINFORCED PANEL	TW	TILE WALL
GRT	GROUT	UPH	UPHOLSTERY
HPL	HIGH PRESSURE PLASTIC LAMINATE	VCT	VINYL COMPOSITION TILE
HR	HAND RAIL	VET	VINYL ENHANCED TILE
INT	INTEGRAL	VQT	VINYL QUARTZ TILE
LVT	LUXURY VINYL TILE	WC	WALL COVERING
PT	PAINT	WD	WOOD
PTM	PATCH TO MATCH	WG	WALL GUARD
QB	QUARRY TILE BASE	WOM	WALK OFF MAT
QT	QUARRY TILE	WS	WRITEABLE SURFACE
QZT	QUARTZ	WT	WINDOW TREATMENT



1  
1000  
CAFETERIA STAGE EDGE  
1 1/2" = 1'-0"

## PROJECT INFORMATION

Project Number  
13940.18  
Client Name

NEWBURGH ENLARGED CITY  
SCHOOL DISTRICT

Project Name  
PHASE 3: HERITAGE MIDDLE  
SCHOOL 2019 CAPITAL  
IMPROVEMENT PROJECT

Project Address  
405 Union Avenue, New Windsor, NY 12553

SED Number  
44-16-00-01-0-039-011

## PROJECT ISSUE SCHEDULE

No. Date Description

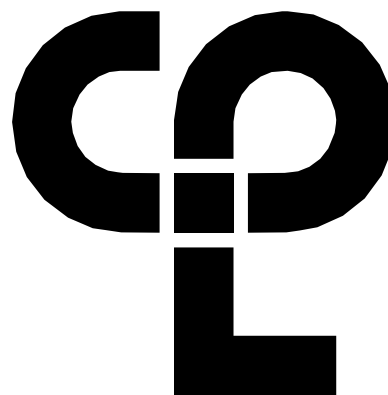
IT IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW AND THE COMMISSIONER'S REGULATIONS FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ARCHITECT, ENGINEER OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY IF AN ITEM BEARING THE SEAL OF AN ARCHITECT, ENGINEER OR SURVEYOR IS ALTERED. THE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

## SHEET INFORMATION

Issued  
9/9/2021  
Project Status  
CONSTRUCTION DOCUMENTS  
Drawn By  
DS  
Drawing Title  
INTERIORS GENERAL

Drawing Number

HMS  
1000



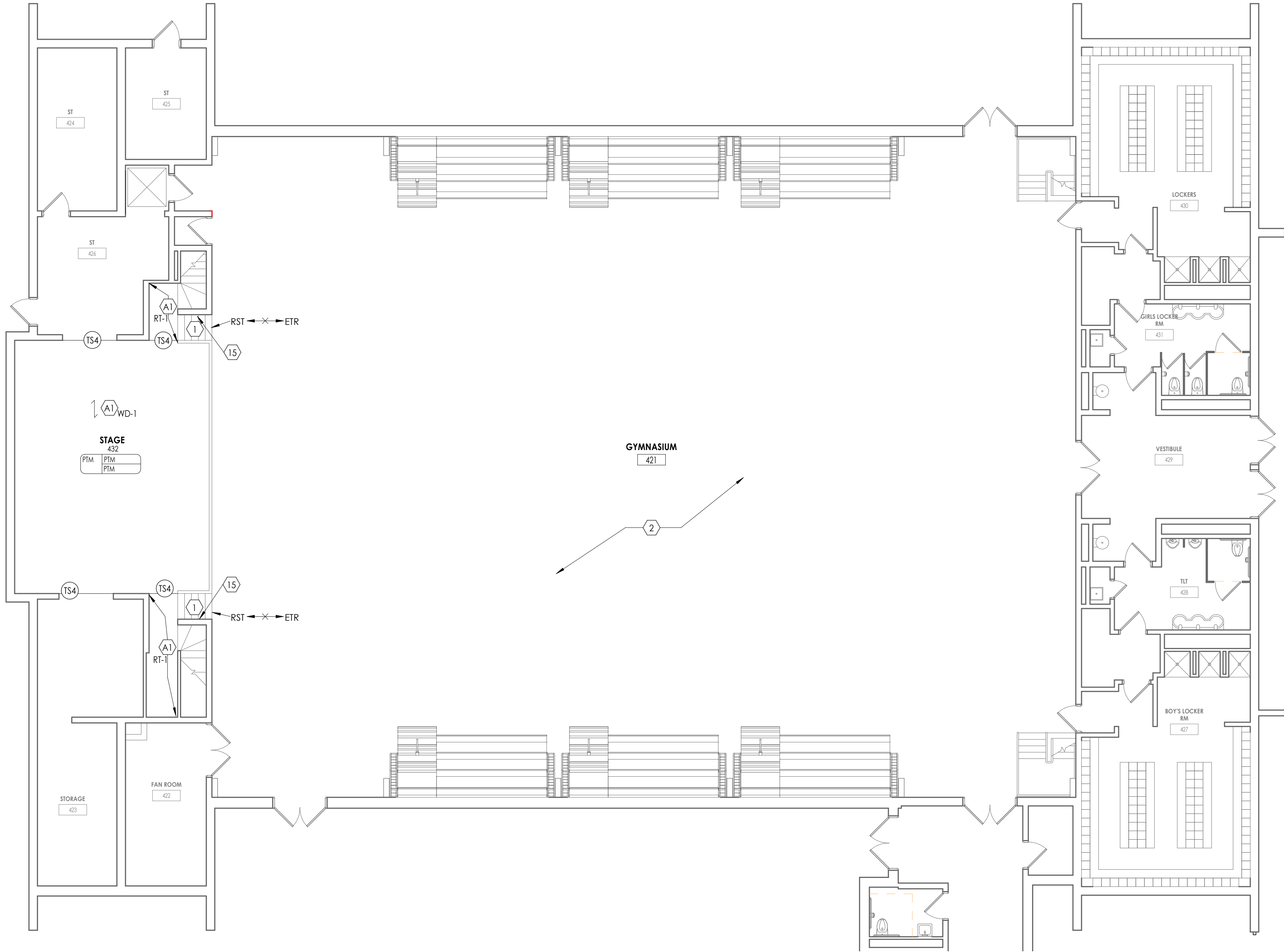
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50 FRONT ST. SUITE 202  
NEWBURGH, NY 12550  
CPLteam.com



1  
1200A

GROUND FLOOR FINISH PLAN - AREA A

1/8" = 1'-0"



FINISH PLAN KEY NOTES

NOTE: THE FOLLOWING MAY CONTAIN KEY NOTES THAT ARE NOT REFERENCED ON THIS SHEET.

1. PROVIDE STAIR TREAD/RISER, RST-1. REFER TO 1000 FOR ADDITIONAL INFORMATION.
2. PATCH TO MATCH EXISTING WALL, BASE, FLOOR AND CEILING FINISHES IN AREAS AFFECTED BY DEMOLITION AND/OR NEW CONSTRUCTION.
3. PROVIDE STAIR TREAD/RISER, RST-2. REFER TO 1000 FOR ADDITIONAL INFORMATION.
4. RELOCATED SERVING LINE: VINYL TILE (SVT-3) TO TERMINATE UNDER SERVING LINE. VERIFY EXACT LOCATION IN FIELD. PROVIDE ADA COMPLIANT TRANSITIONS WHERE NEW FLOORING AND EXISTING FLOOR MEET. G.C. TO VERIFY AND COORDINATE WITH ARCHITECT, REF: 1300s
5. ALIGN TOP OF CORNER GUARD WITH WALL COVERING (WC-1).
6. PROVIDE WOLF GORDON STRONGHOLD WALL COVERING WAINSCOT (WC-1) AND PAINT ABOVE AS SCHEDULED. REFER TO 1000 FOR ADDITIONAL INFORMATION.
7. EXISTING CEILINGS TO REMAIN, UNLESS NOTED OTHERWISE. REFER TO A600 SERIES FOR ADDITIONAL INFORMATION.
8. NEW COLUMN ENCLOSURES (CE-1). REFER TO 1000 FOR ADDITIONAL INFORMATION.
9. PROVIDE RESILIENT BASE (RB-2) AT EXISTING MILLWORK STATION. SURROUND ENTIRE STATION.
10. PROVIDE ACCENT PAINT WAINSCOT (EPT-3) TO ALIGN WITH ADJACENT WALLCOVERING.
11. EXISTING MILLWORK STATION TO BE RE-LAMINATED, ENTIRE STATION; REFER TO 1000 FOR ADDITIONAL INFORMATION.
12. WALL UNDER STOREFRONT SYSTEM TO BE PAINTED ACCENT PAINT (EPT-3). REFER TO INTERIOR ELEVATIONS.
13. FACE OF STAGE TO BE PATCHED AND SANDED. SURFACE TO BE PREPARED TO A LEVEL 5 FINISH AND PAINTED (EPT-3).
14. INSTALL VINYL TILE (SVT-3) AT ENTIRE STAGE; FLOOR LEVEL PREP REQUIRED. PROVIDE EDGE TRIM AT STAGE, REFER TO DETAIL 1/1000.
15. SAND AND STAIN EXISTING WOOD HANDRAIL. STAIN TO MATCH ARCHITECTS SAMPLE. ANY METAL SECTIONS CONSISTING OF WALLMOUNT BRACKETS, POST AND RAILS SHALL BE PAINTED; EPT-5.
16. INSTALL RUBBER TILE (RT-1) AT RAMP.
17. FACE OF RAMP TO BE PATCHED AND SANDED. SURFACE TO BE PREPARED TO A LEVEL 5 FINISH AND PAINTED (EPT-3).

FINISH ALTERNATES:

- A1. ALTERNATE NO. GC-6: GYMNASIUM STAGE FLOOR.
- A2. ALTERNATE NO. GC-7: CAFETERIA FLOORING DEDUCT

FINISH PLAN GENERAL NOTES

1. ALL NEW AND EXISTING HOLLOW METAL DOORS, DOOR FRAMES AND WINDOW FRAMES IN PROJECT SCOPE SHALL BE PAINTED (PT-1), UNLESS NOTED OTHERWISE (U.N.O.).
2. ALL LOUVERS, VENTS, GRILLES AND OTHER MISCELLANEOUS MECHANICAL AND ELECTRICAL DEVICES ARE TO BE PAINTED TO MATCH THE SURFACE ON WHICH THEY APPEAR, UNLESS NOTED OTHERWISE (U.N.O.).
3. REFER TO A600 SERIES DRAWINGS FOR CEILING TYPES AND SOFFIT FINISHES.
4. UNDERSIDE OF SOFFITS TO MATCH FACE OF SOFFIT. SEE A600 SERIES FOR PAINT ACCENT SPECIFICATIONS. PAINT GWS CEILINGS (PT-2).
5. REFER TO A700 SERIES INTERIOR ELEVATIONS FOR MILLWORK FINISHES.
6. REFER TO 1300s FOR FLOOR PATTERNING PLANS & DETAILS.
7. PATCH TO MATCH EXISTING WALL, BASE, FLOOR AND CEILING FINISHES IN AREAS AFFECTED BY DEMOLITION AND/OR NEW CONSTRUCTION.
8. ALL FLOOR FINISHES SHALL TRANSITION AT THE CENTERLINE OF THE DOOR, UNLESS NOTED OTHERWISE (U.N.O.). INSTALL TRANSITION STRIPS PER DETAILS ON 1000.
9. WHERE KICKSPACES OCCUR AT MILLWORK, FLOOR FINISH SHOWN ON PLANS SHALL RUN UNDERNEATH KICKSPACE AS WELL.
10. PROVIDE FLOOR PREP TO ENTIRE AREA OF SPACE. CONSISTENT OF SELF-LEVELING CEMENTITIOUS FLOOR LEVELER.
11. ALL WALLS TO BE PAINTED (EPT-1), UNLESS NOTED OTHERWISE (U.N.O.).

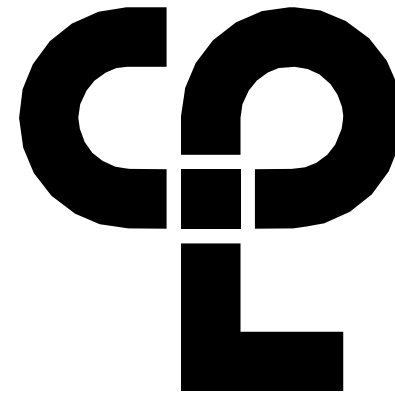
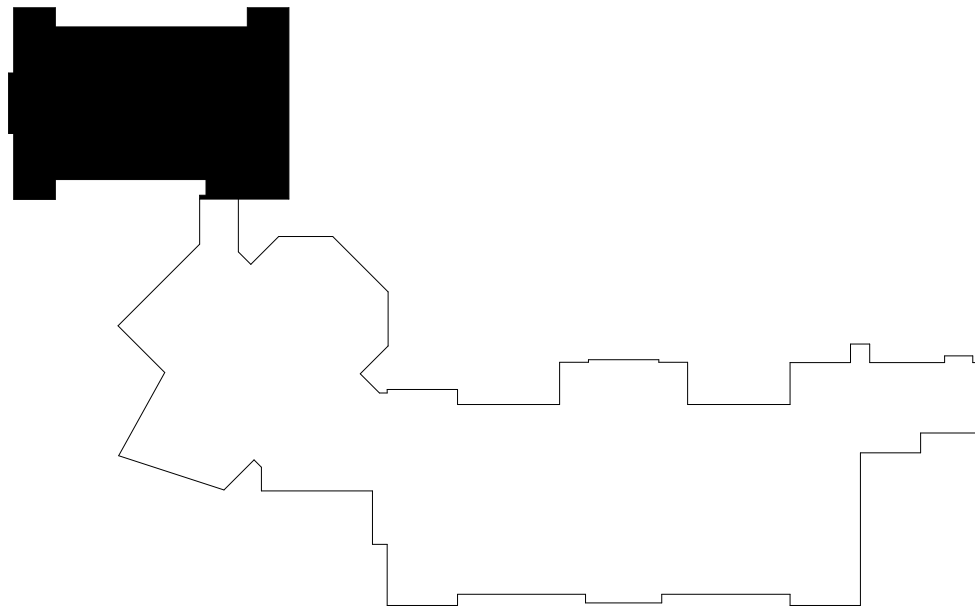
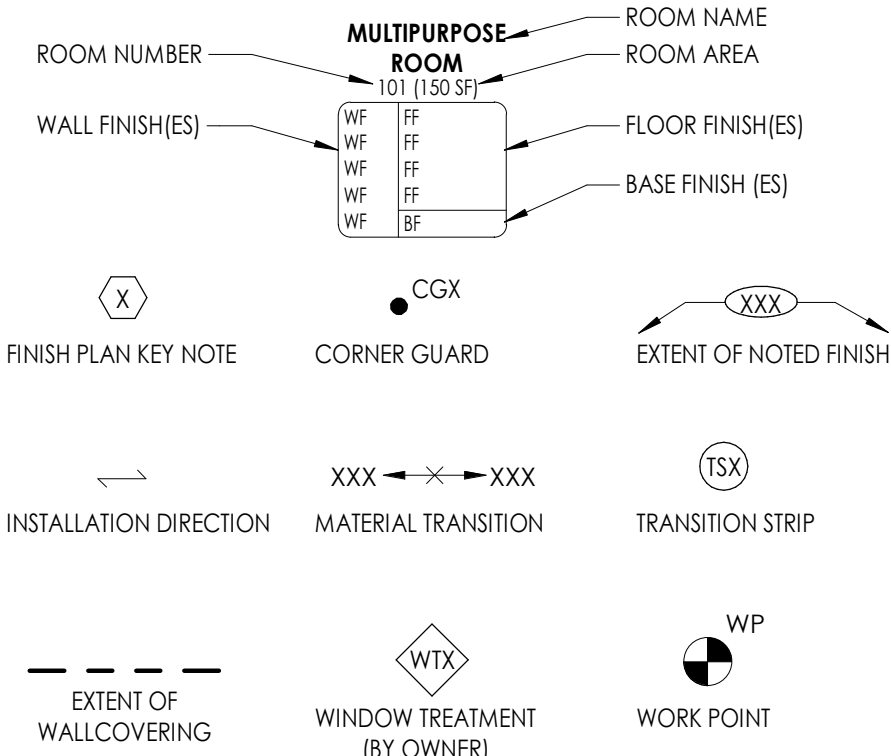
FINISH ABBREVIATIONS

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

ACT	ACOUSTICAL CEILING TILE	RB	RESILIENT BASE
AGL	ART GLASS	RP	RESIN PANEL
AWP	ACOUSTICAL WALL PANEL	RS	RESILIENT SHEET
CC	CUBICLE CURTAIN	RST	RESILIENT STAIR TREAD
CG	CORNER GUARD	RT	RESILIENT TILE
CHR	CHAIR RAIL	SC	SPECIALTY CEILING
CPT	CARPET	SCON	SEALED CONCRETE
CR	CRASH RAIL	SN	STAIR NOSING & RISER
DG	DIGITAL GRAPHIC	SSM	SOLID SURFACE MATERIAL
DS	DIVIDER STRIP	ST	STONE VENEER
DWC	DIGITAL WALL COVERING	SV	SHEET VINYL
DWP	DIGITAL WALL PANEL	SWP	SHEET WALL PROTECTION
EPT	EPOXY PAINT	TB	TILE BASE
ERF	EPOXY RESIN FLOOR	TER	TERRAZZO
ETR	EXISTING TO REMAIN	TF	TILE FLOOR
EXP	EXPANSION JOINT COVER	TR	TRIM
FILM	FILM	TS	TRANSITION STRIP
FRP	FIBER REINFORCED PANEL	TW	TILE WALL
GRT	GROUT	UPH	UPHOLSTERY
HPIL	HIGH PRESSURE PLASTIC LAMINATE	VCT	VINYL COMPOSITION TILE
HR	HAND RAIL	VET	VINYL ENHANCED TILE
INT	INTEGRAL	VQT	VINYL QUARTZ TILE
LVT	LUXURY VINYL TILE	WC	WALL COVERING
PT	PAINT	WD	WOOD
PTM	PATCH TO MATCH	WG	WALL GUARD
QB	QUARRY TILE BASE	WOM	WALK OFF MAT
QT	QUARRY TILE	WS	WRITEABLE SURFACE
QZT	QUARTZ	WT	WINDOW TREATMENT

FINISH PLAN SYMBOLS LEGEND

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



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PROJECT INFORMATION

Project Number

13940.18

Client Name

NEWBURGH ENLARGED CITY  
SCHOOL DISTRICT

Project Name

PHASE 3: HERITAGE MIDDLE  
SCHOOL 2019 CAPITAL  
IMPROVEMENT PROJECT

Project Address

405 Union Avenue, New Windsor, NY 12553

SED Number

44-16-00-01-0-039-011

PROJECT ISSUE SCHEDULE

No.

Date

Description

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SHEET INFORMATION

Issued

9/9/2021

Project Status

CONSTRUCTION DOCUMENTS

Drawn By

DS

Drawing Title

GROUND FLOOR AREA A - FINISH PLAN

Scale

As indicated

Checked By

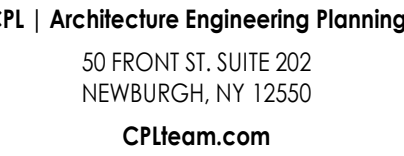
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Drawn Number

HMS

1200A



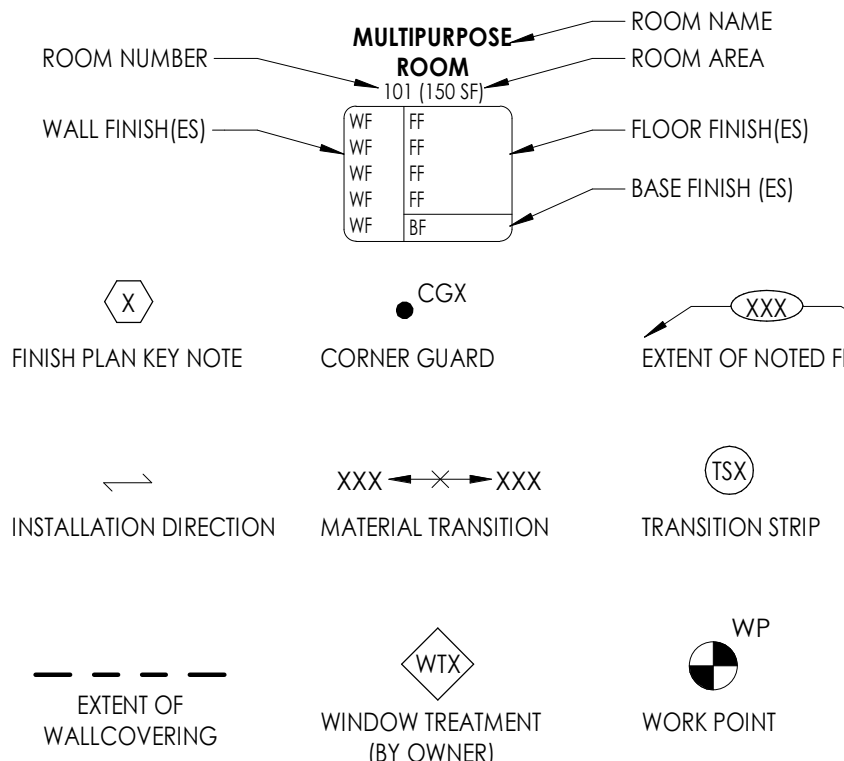


1. ALL NEW AND EXISTING HOLLOW METAL DOORS, DOOR FRAMES AND WINDOW FRAMES IN PROJECT SCOPE SHALL BE PAINTED (PT-1), UNLESS NOTED OTHERWISE (U.N.O.).
2. ALL LOUVERS, VENTS, GRILLES AND OTHER MISCELLANEOUS MECHANICAL AND ELECTRICAL DEVICES ARE TO BE PAINTED TO MATCH THE SURFACE ON WHICH THEY APPEAR, UNLESS NOTED OTHERWISE (U.N.O.).
3. REFER TO A600 SERIES SPECIFICATIONS FOR CEILING TYPES AND SOFFIT FINISHES.
4. UNDERSIDE OF SOFFITS TO MATCH FACE OF SOFFIT. SEE A600 SERIES FOR PAINT ACCENT SPECIFICATIONS. PAINT GWB CEILINGS (PT-2).
5. REFER TO A700 SERIES INTERIOR ELEVATIONS FOR MILLWORK FINISHES.
6. REFER TO 1300S FOR FLOOR PATTERNING PLANS & DETAILS.
7. PATCH TO MATCH EXISTING WALL, BASE, FLOOR AND CEILING FINISHES IN AREAS AFFECTED BY DEMOLITION AND/OR NEW CONSTRUCTION.
8. ALL FLOOR FINISHES SHALL TRANSITION AT THE CENTERLINE OF THE DOOR, UNLESS NOTED OTHERWISE (U.N.O.). ALL TRANSITIONS ON STRIPS PER DETAIL ON 1000.
9. WHERE KICKSCAPES OCCUR AT MILLWORK, FLOOR FINISH SHOWN ON PLANS SHALL RUN UNDERNEATH KICKSCAPE AS WELL.
10. PROVIDE FLOOR PREP TO ENTIRE AREA OF SPACE. CONSISTENT OF SELF-LEVELING CEMENTITIOUS FLOOR LEVELER.
11. ALL WALLS TO BE PAINTED (PT-1), UNLESS NOTED OTHERWISE (U.N.O.)

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

ACL	ACOUSTICAL CEILING TILE	RB	RESILIENT BASE
AGL	ART GLASS	RP	RESIN PANEL
AWP	ACOUSTICAL WALL PANEL	RS	RESILIENT SHEET
CC	CUBIC CURTAIN	RT	RESILIENT TREAD
CG	CORNER GUARD	RU	RESILIENT TILE
CHR	CHAIR RAIL	SC	SPECIALTY CEILING
CPT	CARPET	SCON	SEALED CONCRETE
CR	CRASH RAIL	SN	STAIR NOSING & RISER
DG	DIGITAL GRAPHIC	SM	SOLID SURFACE MATERIAL
DS	DIVIDER STRIP	ST	STONE VENEER
DWC	DIGITAL WALL COVERING	SW	SHEET VINYL
DWP	DIGITAL WALL PANEL	SWP	SHEET WALL PROTECTION
EPT	EPOXY PAINT	TB	TILE BASE
ERF	EPOXY RESIN FLOOR	TE	TERRAZZO
ERI	EXISTING TO REMAIN	TF	FLOOR TILE
EXP	EXPANSION JOINT COVER	TR	TRIM
FLM	FILM	TS	TRANSITION STRIP
FRP	FIBER REINFORCED PANEL	TW	TILE WALL
GR	GROUT	UPH	UPHOLSTERY
HPL	HIGH PRESSURE PLASTIC LAMINATE VET	VN	VINYL COMPOSITION TILE
HR	HAND RAIL	VET	VINYL ENHANCED TILE
INT	INTEGRAL	VQT	VINYL QUARTZ TILE
LVT	LUXURY VINYL TILE	WC	WALL COVERING
PT	PAINT	WD	WOOD
PM	PATCH TO MATCH	WG	WALL GUARD
QB	QUARRY TILE BASE	WOM	WALK OFF MAT
QU	QUARRY TILE	WS	WRITABLE SURFACE
QTZ	QUARTZ	WT	WINDOW TREATMENT

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



Project Number  
13940.18

Client Name:

NEWBURGH ENLARGED CITY  
SCHOOL DISTRICT

Project Name

**PHASE 3: HERITAGE MIDDLE  
SCHOOL 2019 CAPITAL  
IMPROVEMENT PROJECT**

Project Address

405 Union Avenue, New Windsor, NY 12553

ED Number

44-16-00-01-0-039-01

### PROJECT ISSUE SCHEDULE

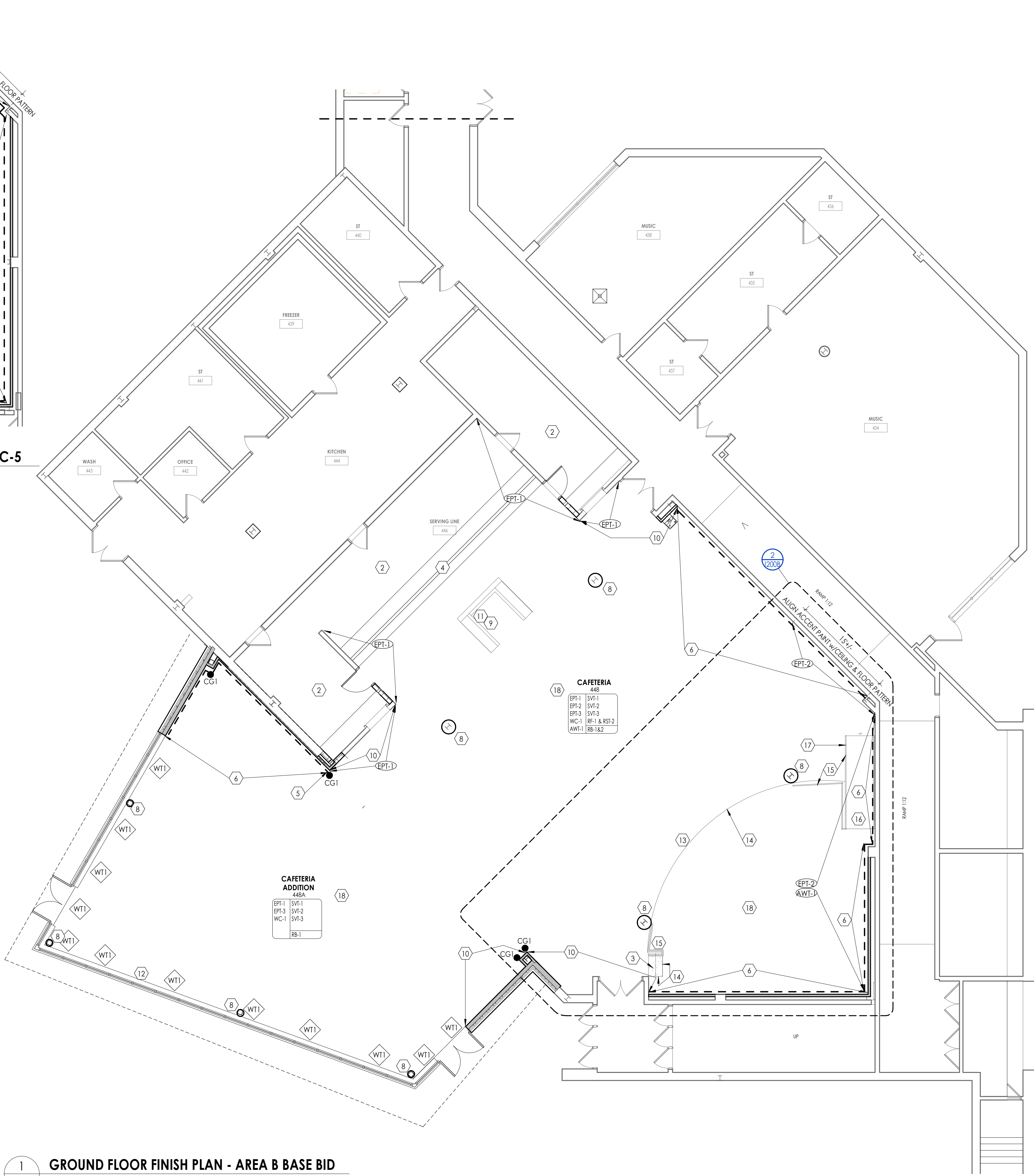
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NOTE: THE FOLLOWING MAY CONTAIN KEY NOTES THAT ARE NOT REFERENCED ON THIS SHEET.

- 1 PROVIDE STAIR TREAD/RISE/R, RST-1. REFER TO 1000 FOR ADDITIONAL INFORMATION.
- 2 PATCH TO MATCH EXISTING WALL, BASE, FLOOR AND CEILING FINISHES IN AREAS AFFECTED BY DEMOLITION AND/OR NEW CONSTRUCTION.
- 3 PROVIDE STAIR TREAD/RISE/R, RST-2. REFER TO 1000 FOR ADDITIONAL INFORMATION.
- 4 RELOCATED SERVING LINE: VINYL TILE (SVT-3) TO TERMINATE UNDER SERVING LINE. VERIFY EXACT LOCATION IN FIELD. PROVIDE ADA COMPLIANT TRANSITIONS WHERE NEW FLOORING AND EXISTING FLOOR MEET. G.C. TO VERIFY AND COORDINATE WITH ARCHITECT. REF: 1300s
- 5 ALIGN TOP OF CORNER GARD WITH WALL COVERING (WC-1).
- 6 PROVIDE WOLF GORDON STRONGHOLD WALL COVERING WAINSCOT (WC-1) AND PAINT ABOVE AS SCHEDULED. REFER TO 1000 FOR ADDITIONAL INFORMATION.
- 7 EXISTING CEILINGS TO REMAIN, UNLESS NOTED OTHERWISE. REFER TO A600 SERIES FOR ADDITIONAL INFORMATION.
- 8 NEW COLUMN ENCLOSURES (CE-1), REFER TO 1000 FOR ADDITIONAL INFORMATION.
- 9 PROVIDE RESILIENT BASE (RB-2) AT EXISTING MILLWORK STATION. SURROUND ENTIRE STATION.
- 10 PROVIDE ACCENT PAINT WAINSCOT (EPT-3) TO ALIGN WITH ADJACENT WALLCOVERING.
- 11 EXISTING MILLWORK STATION TO BE RE-LAMINATED, ENTIRE STATION; REFER TO 1000 FOR ADDITIONAL INFORMATION.
- 12 WALL UNDER STOREFRONT SYSTEM TO BE PAINTED ACCENT PAINT (EPT-3). REFER TO INTERIOR ELEVATIONS.
- 13 FACE OF STAGE TO BE PATCHED AND SANDED. SURFACE TO BE PREPARED TO A LEVEL 5 FINISH AND PAINTED (EPT-3).
- 14 INSTALL VINYL TILE (SVT-3) AT ENTIRE STAGE/FLOOR LEVEL PREP REQUIRED. PROVIDE EDGE TRIM AT STAGE. REFER TO DETAIL 1/1000.
- 15 SAND AND STAIN EXISTING WOOD HANDRAIL. STAIN TO MATCH ARCHITECTS SAMPLE. ANY METAL SECTIONS CONSISTING OF WALLMOUNT BRACKETS, POST AND RAILS SHALL BE PAINTED: EPT-5.
- 16 INSTALL RUBBER TILE (RT-1) AT RAMP.
- 17 FACE OF RAMP TO BE PATCHED AND SANDED. SURFACE TO BE PREPARED TO A LEVEL 5 FINISH AND PAINTED (EPT-3).
- 18 PROVIDE MOISTURE MITIGATION BARRIER & SELF-LEVELING, ENTIRE AREA WHERE VINYL TILE IS SCHEDULED TO BE INSTALLED. REFER TO 1000 FINISH SCHEDULE & SPECIFICATIONS FOR ADDITIONAL INFORMATION.

A1 ALTERNATE NO. GC-6: GYMNASIUM STAGE FLOOR.

A2 ALTERNATE NO. GC-7: CAFETERIA FLOORING DEDUCT


$$1/8'' = 1'-0''$$


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Issued	Scale
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9/9/2021

Project Status

CONSTR

Drawn By

DS

### Notes on Contributors

GROUND FLOOR AREA B - FINISH  
PLAN

Drawing Number

HMS  
200B



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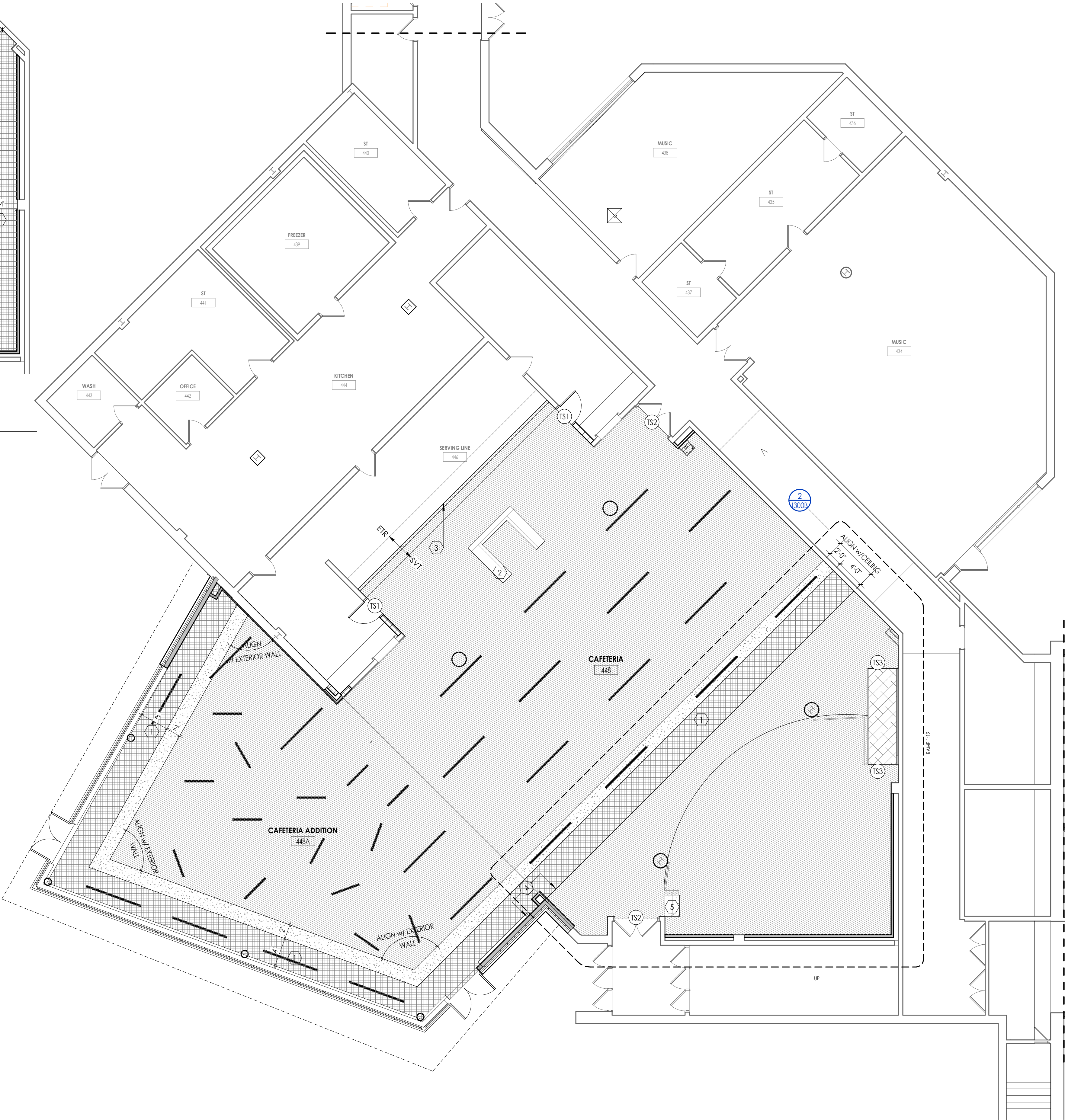
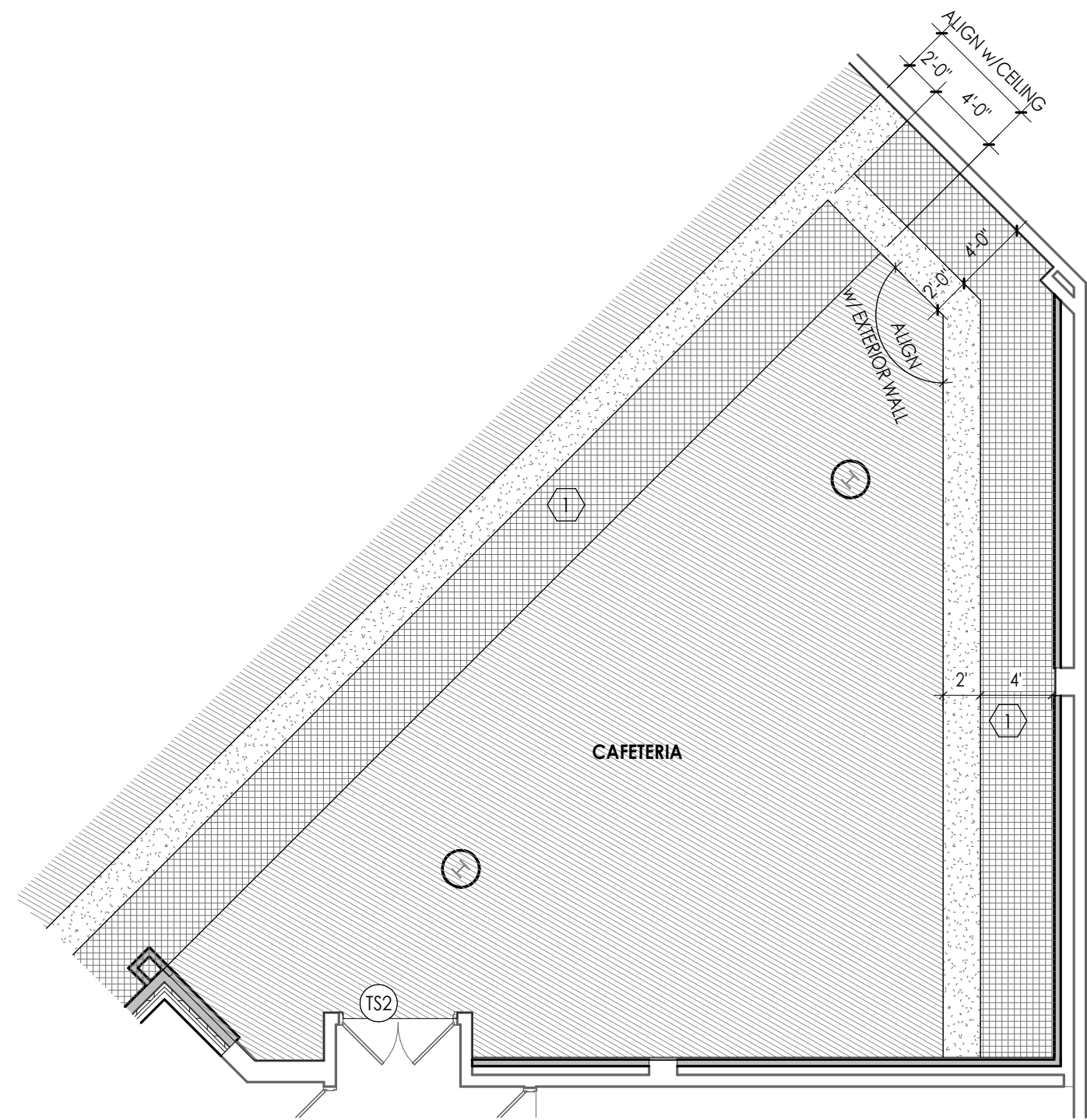
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2  
1300B  
1/8" = 1'-0"

GROUND FLOOR PATTERN PLAN - AREA B ALTERNATE GC-5

1  
1300B  
1/8" = 1'-0"

GROUND FLOOR PATTERN PLAN - AREA B BASE BID



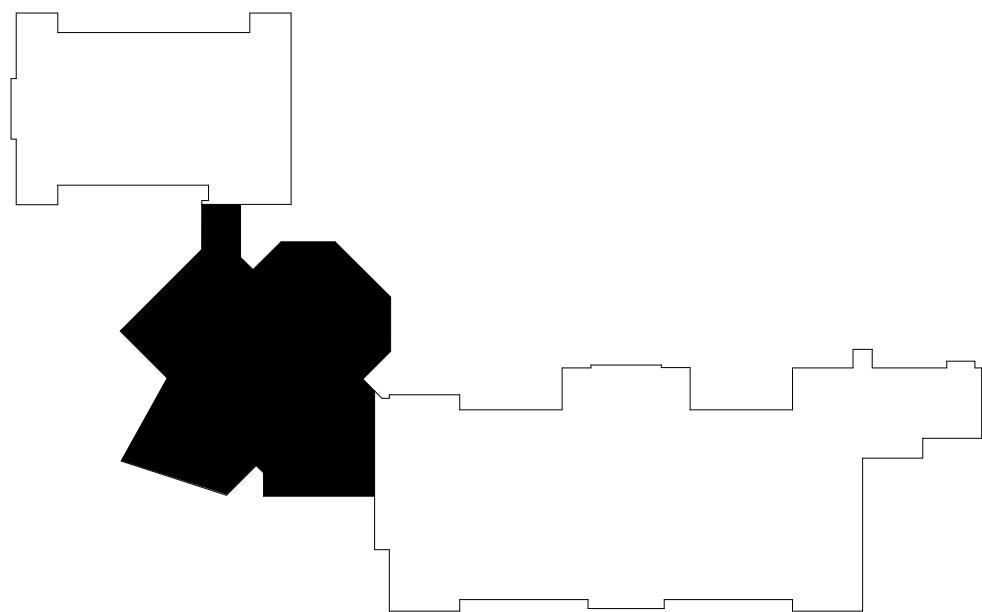
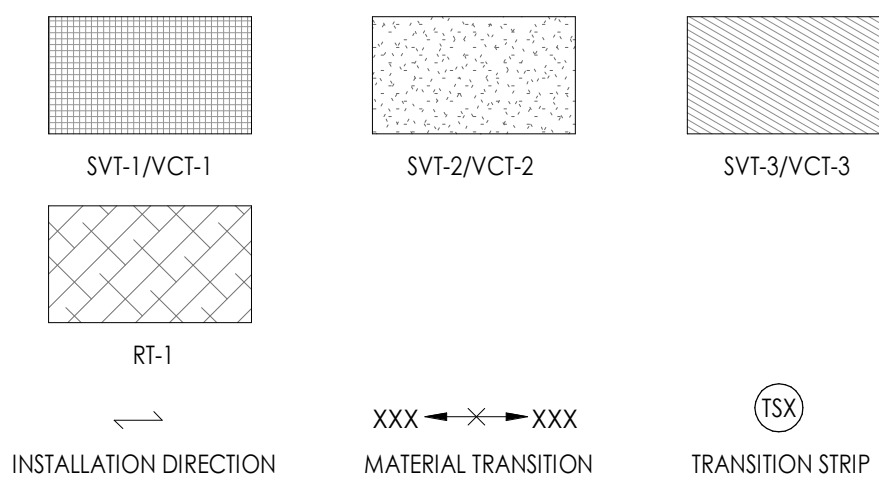
## FLOOR PATTERNING GENERAL NOTES

1. ALL FLOOR FINISHES SHALL TRANSITION AT THE CENTERLINE OF THE DOOR, UNLESS NOTED OTHERWISE (U.N.O.). INSTALL TRANSITION STRIPS PER DETAILS ON 1000.
2. PATCH TO MATCH EXISTING WALL, BASE, FLOOR AND CEILING FINISHES IN AREAS AFFECTED BY DEMOLITION AND/OR NEW CONSTRUCTION.
3. ALL GROUT TO BE SEALED A MINIMUM OF TWO TIMES PRIOR TO COMPLETION.
4. WHERE KICKSPACES OCCUR AT MILLWORK, FLOOR FINISH SHOWN ON PLANS SHALL RUN UNDERNEATH KICKSPACE AS WELL.

## FLOOR PATTERNING KEY NOTES

- 1 FLOOR TILE (SVT-1) TO BE ALIGNED WITH CEILING ACCENT (ACT-5) ABOVE.
- 2 EXISTING MILLWORK REMAINS. INSTALL SCHEDULED FLOOR TILE. PROVIDE WALL BASE (RB-2) AT EXISTING MILLWORK.
- 3 VINYL TILE TO CONTINUE UNDER SERVING STATION; G.C. TO VERIFY IN FIELD EXACT LOCATION.
- 4 ALIGN EDGE OF FLOORING WITH EXTERIOR WALL OF ADDITION.
- 5 RUBBER STAIR TREAD & RISER.

## FLOOR PATTERNING LEGEND



## PROJECT INFORMATION

Project Number  
13940.18  
Client Name  
**NEWBURGH ENLARGED CITY SCHOOL DISTRICT**  
Project Name  
**PHASE 3: HERITAGE MIDDLE SCHOOL 2019 CAPITAL IMPROVEMENT PROJECT**  
Project Address  
405 Union Avenue, New Windsor, NY 12553  
SED Number  
44-16-00-01-0-039-011  
PROJECT ISSUE SCHEDULE  
No. Date Description

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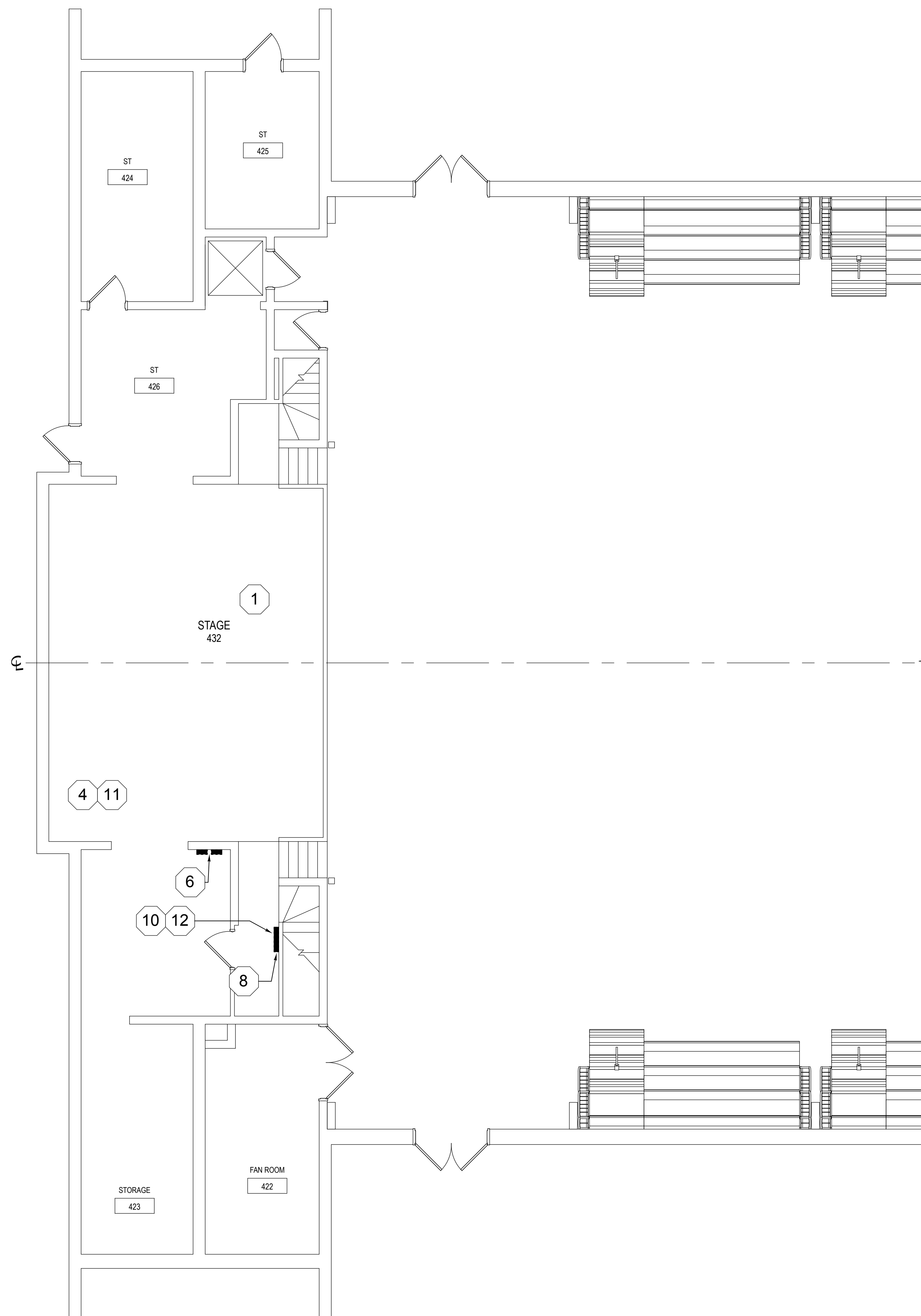
## SHEET INFORMATION

Issued  
9/9/2021  
Scale  
As indicated  
Project Status  
CONSTRUCTION DOCUMENTS  
Drawn By  
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Checked By  
CTV  
Drawing Title  
GROUND FLOOR AREA B - FLOOR PATTERNING PLAN

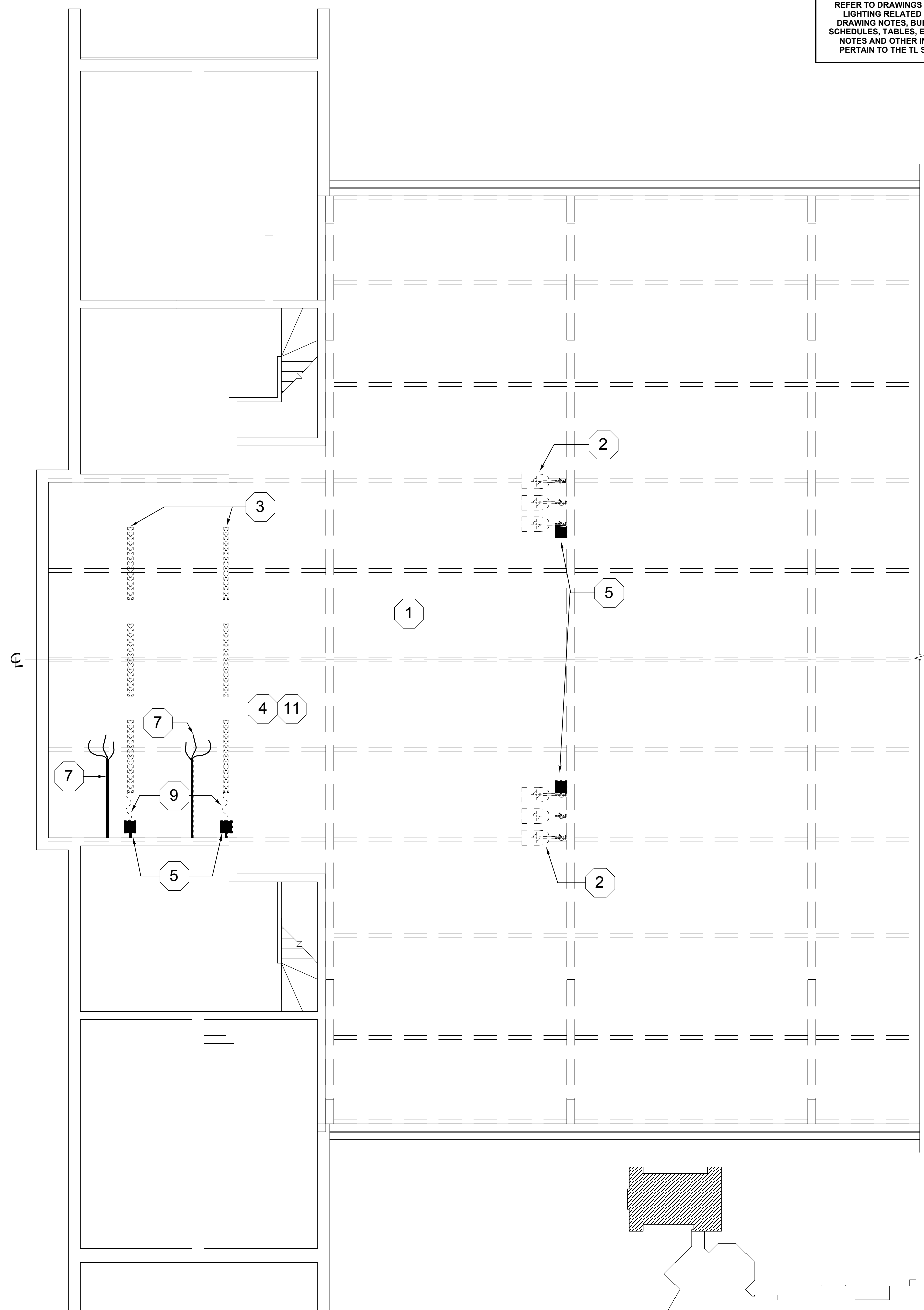
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HMS  
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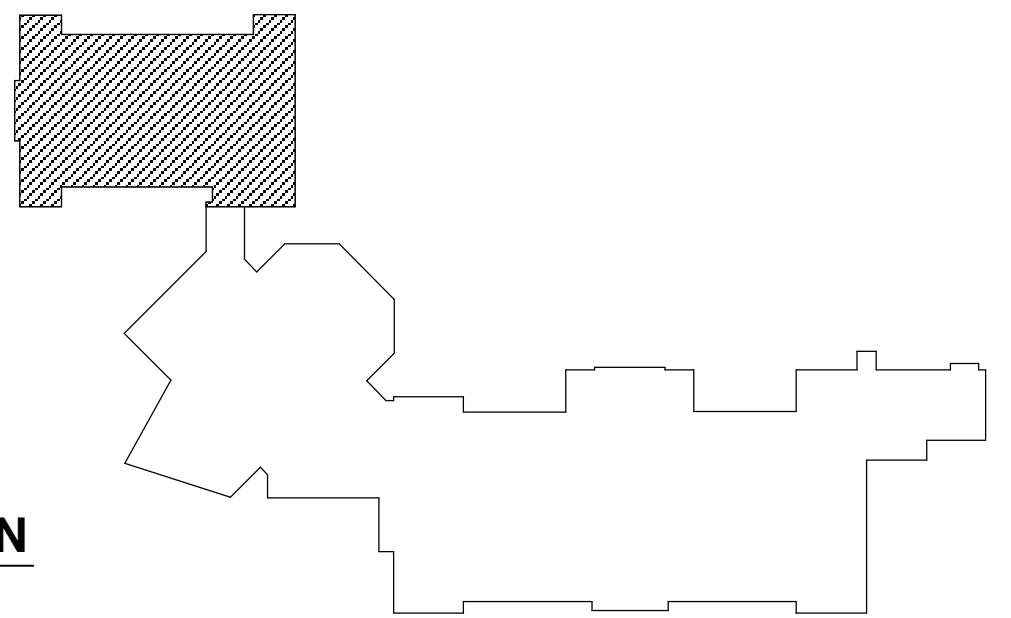




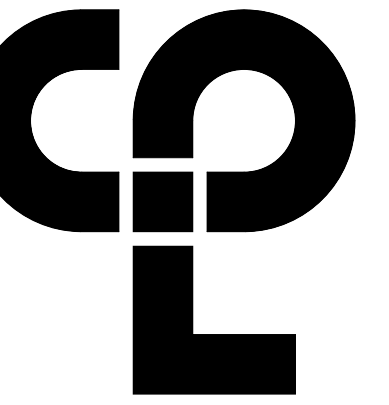
# 1 LOWER LEVEL LIGHTING REMOVAL PLAN



## 2 UPPER LEVEL LIGHTING REMOVAL PLAN



REFER TO DRAWINGS HMS TL601 FOR ALL  
LIGHTING RELATED REMOVAL NOTES,  
DRAWING NOTES, BUBBLE NOTES, KEYS,  
SCHEDULES, TABLES, ELECTRICAL RELATED  
NOTES AND OTHER INFORMATION THAT  
PERTAIN TO THE TL SERIES DRAWINGS.



## PROJECT INFORMATION

Project Number  
3940.18

ent Name

**NEWBURGH ENLARGED CITY  
SCHOOL DISTRICT**

Project Name

### PHASE 3: HERITAGE MIDDLE SCHOOL 2019 CAPITAL IMPROVEMENT PROJECT

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05 Union Avenue, New Windsor, NY 12553

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Date \_\_\_\_\_

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**SHEET INFORMATION**

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9/2021

Project Status

## CONSTRUCTION DOCUMENTS

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## HEATING

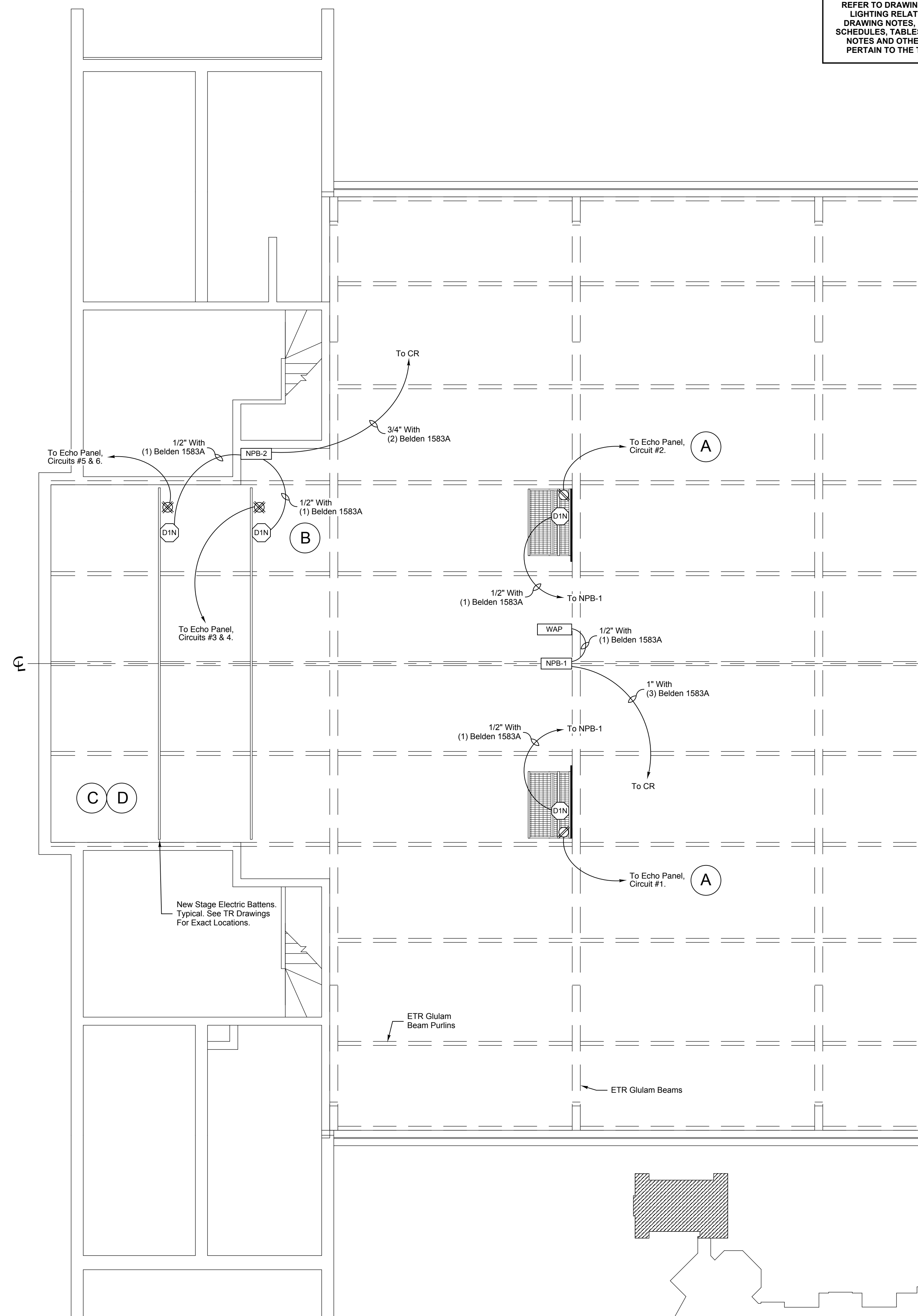
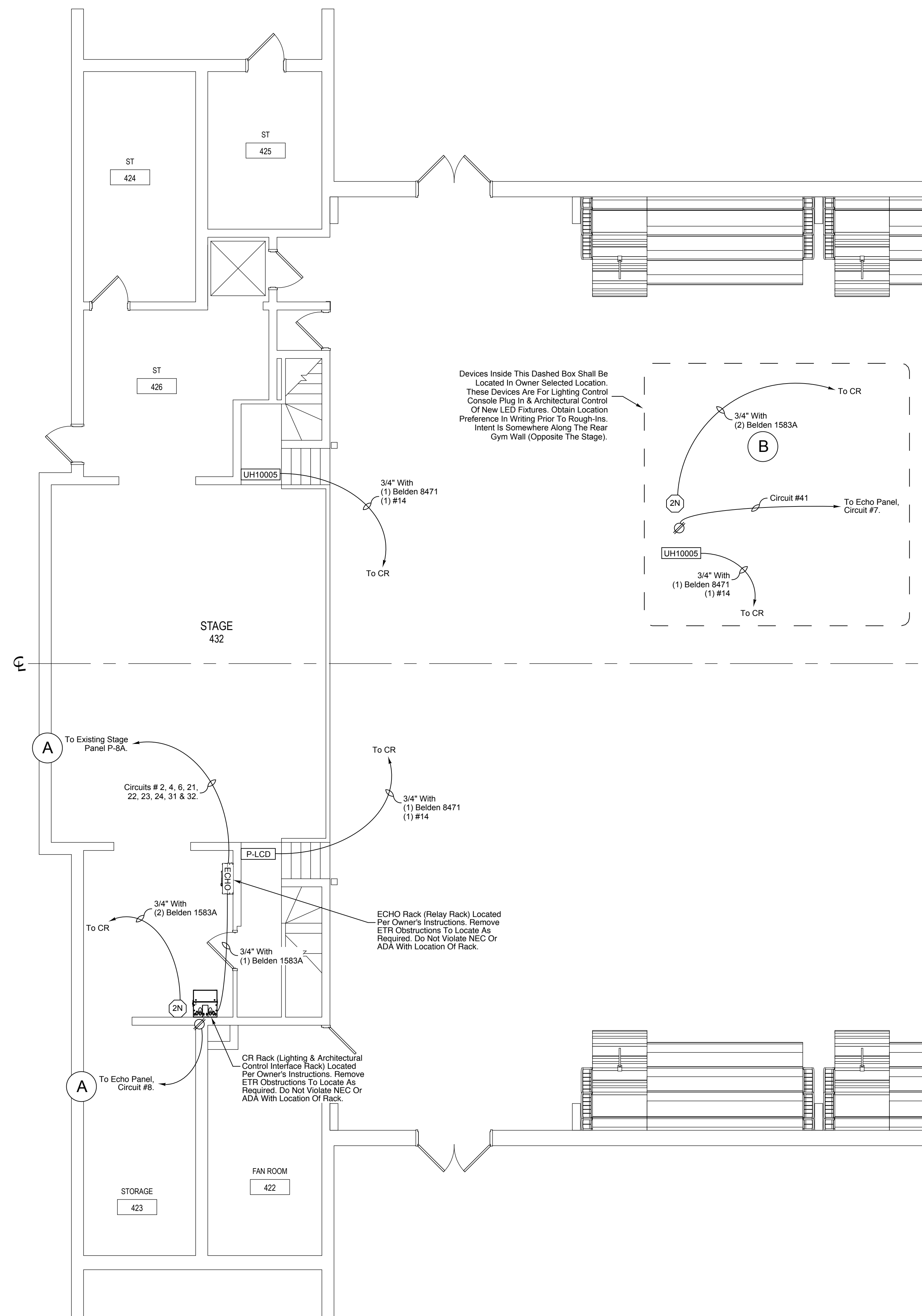
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## REMOVAL PLANS - GROUND FLOOR AREA A

Drawing Number

HMS  
L101



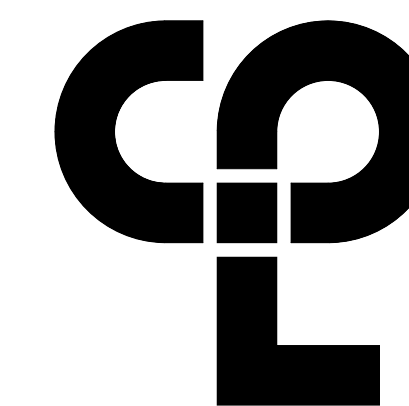


# 1 LOWER LEVEL LIGHTING CONTROL PLAN

## 2 UPPER LEVEL LIGHTING CONTROL PLAN



REFER TO DRAWINGS HMS TL601 FOR ALL  
LIGHTING RELATED REMOVAL NOTES,  
DRAWING NOTES, BUBBLE NOTES, KEYS,  
SCHEDULES, TABLES, ELECTRICAL RELATED  
NOTES AND OTHER INFORMATION THAT  
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9/9/2021

Scale  
As indicated

### Project Status

## CONSTRUCTION DOCUMENTS

Drawn By

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SPJ

SPJ

Drawing Title



THEATRICAL LIGHTING SYSTEM  
CONTROL PLANS -  
GROUND FLOOR AREA A

Drawing Number

HMS  
TL301



KEY TO FIXTURE SYMBOLS:

Symbol	Fixtures	Lamp
	ETC ColorSource Par RGB-L LED Fixture. Set Up Each Fixture In 5-Channel DMX Operating Mode. Provide With All Waterfall Power & Individual DMX Interconnect Cabling. Hanging Yoke With A C-Clamp For Each Fixture & All Misc. Hardware Needed In Order To Assemble & Interconnect These Fixtures. Provide With Both Round & Oblong Field Medium Lenses.	(40) Luxeon Z LED Emitters - (6) Per Optic - (8) Optic Chipsets (Included With Fixture)
	ETC ColorSource Spot JR Fixture With Edison Connector & 25-50 Degree Manual Zoom. Set Up Each Fixture With Individually Addressed Units In 5-Channel DMX Operating Mode. Provide With All Power & Individual DMX Interconnect Cabling. Hanging Yoke With A C-Clamp & All Other Misc. Hardware Needed In Order To Assemble & Interconnect These Fixtures.	(52) Lumileds Luxeon C LED Emitters - (Included With Fixture)

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

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

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

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

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

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

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

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

PROVIDE THE FOLLOWING PORTABLE EQUIPMENT:

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

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

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

MF - Stands For Male To Female.

MM - Stands For Male To Male.

FF - Stands For Female To Female.

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

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

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

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

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

All Cables Listed Above Shall Be Provided In Black.

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

NOTES:

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

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

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

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

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

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

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

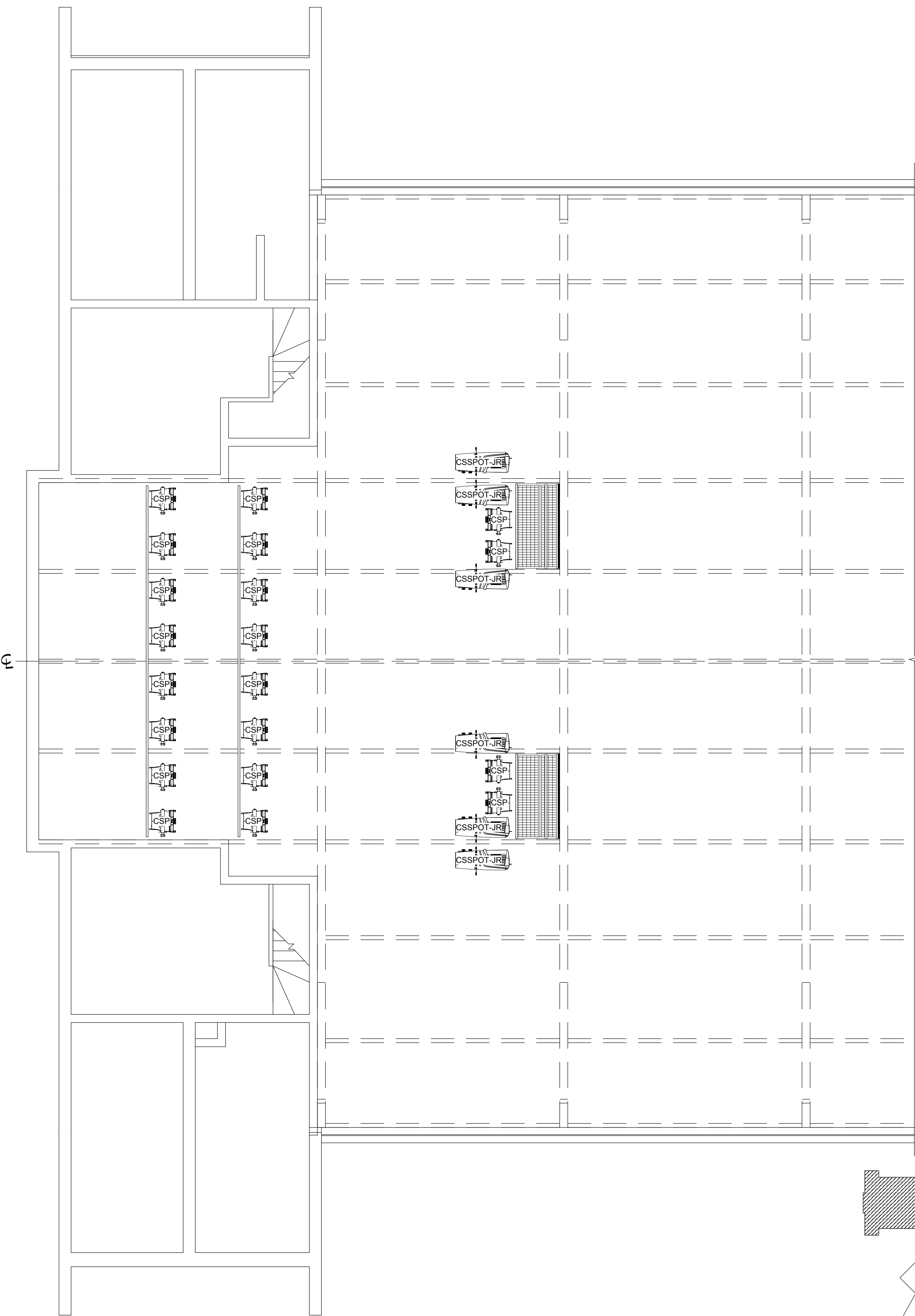
The Theatrical Lighting Fixtures Shall Not Be Installed In This Space Until All Dust Creating Work, Paint Work, Drywall Work, Sanding Work Has Been Completed And All Dust/Debris Has Been Cleaned Up. If Fixtures Must Be Installed Prior To Completion Of This Work Or Cleanup, Then They Must Be Fully Wrapped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

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

FIXTURE WARRANTY NOTE:

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

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



1 THEATRICAL FIXTURE PLAN

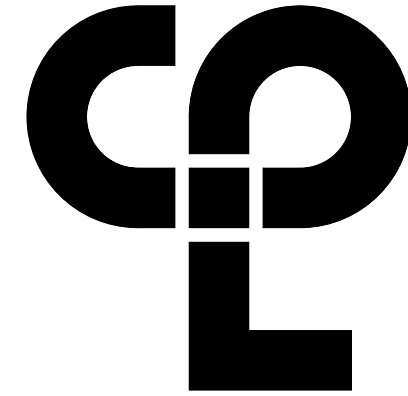
SCALE: 3/16" = 1'



KEYPLAN AREA A

NTS

REFER TO DRAWINGS HMS TL601 FOR ALL LIGHTING RELATED REMOVAL NOTES, DRAWING NOTES, BUBBLE NOTES, KEYS, SCHEDULES, TABLES, ELECTRICAL RELATED NOTES AND OTHER INFORMATION THAT PERTAIN TO THE TL SERIES DRAWINGS.



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PROJECT INFORMATION

Project Number  
13940.18

Client Name

NEWBURGH ENLARGED CITY  
SCHOOL DISTRICT

Project Name

PHASE 3: HERITAGE MIDDLE  
SCHOOL 2019 CAPITAL  
IMPROVEMENT PROJECT

Project Address

405 Union Avenue, New Windsor, NY 12553

SED Number

44-16-00-01-0-039-011

PROJECT ISSUE SCHEDULE

No. Date Description

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SHEET INFORMATION

Issued

9/9/2021

Scale

As indicated

Project Status

CONSTRUCTION DOCUMENTS

Drawn By

SPJ

Checked By

SPJ

Drawing Title

THEATRICAL LIGHTING SYSTEM  
FIXTURE PLAN -  
GROUND FLOOR AREA A

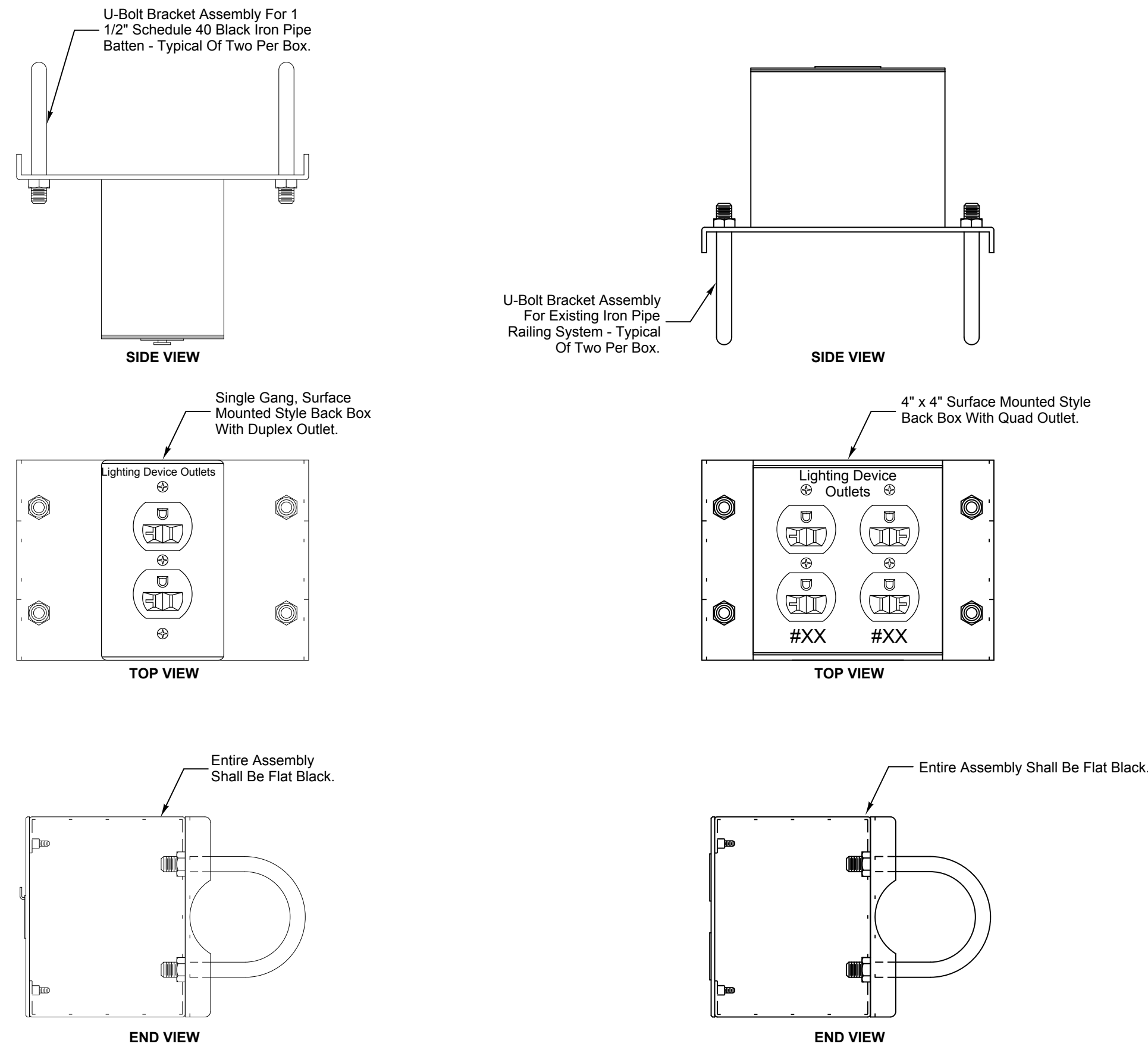
Drawing Number

HMS  
TL302

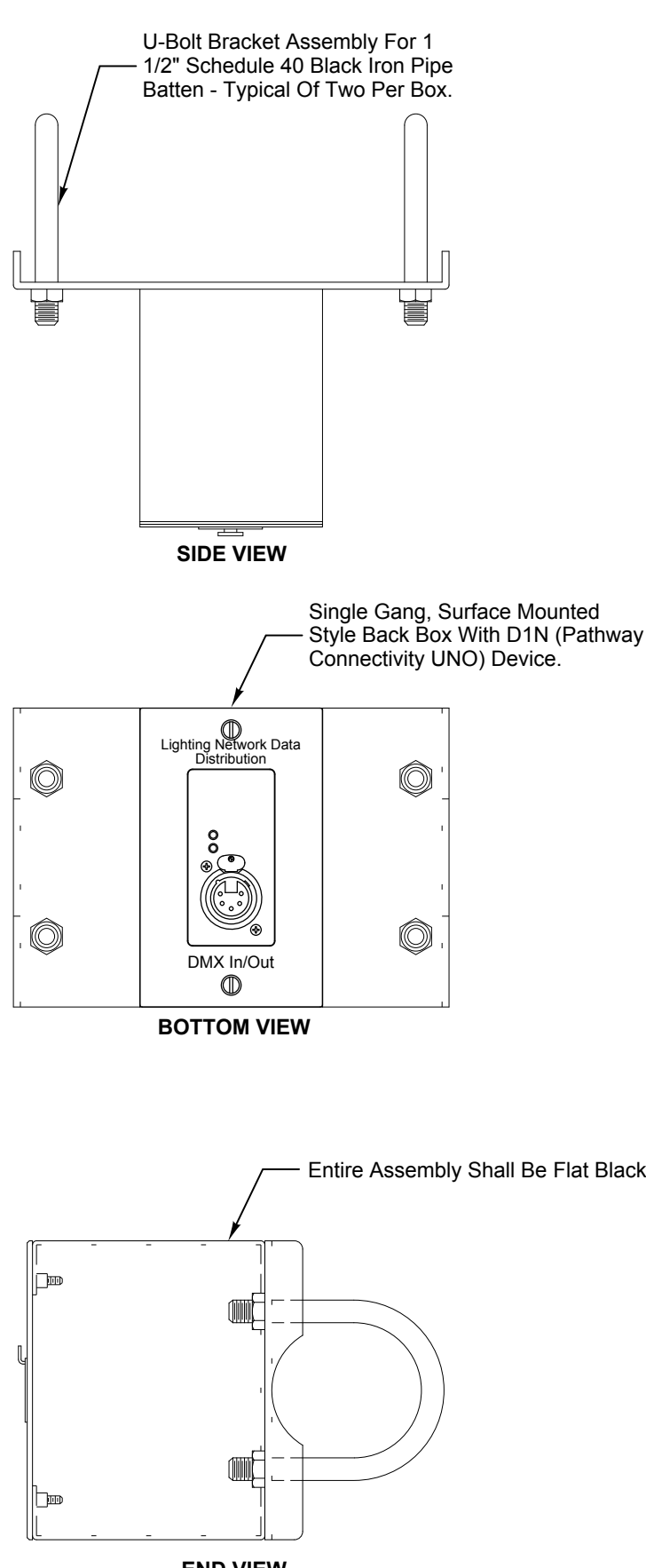




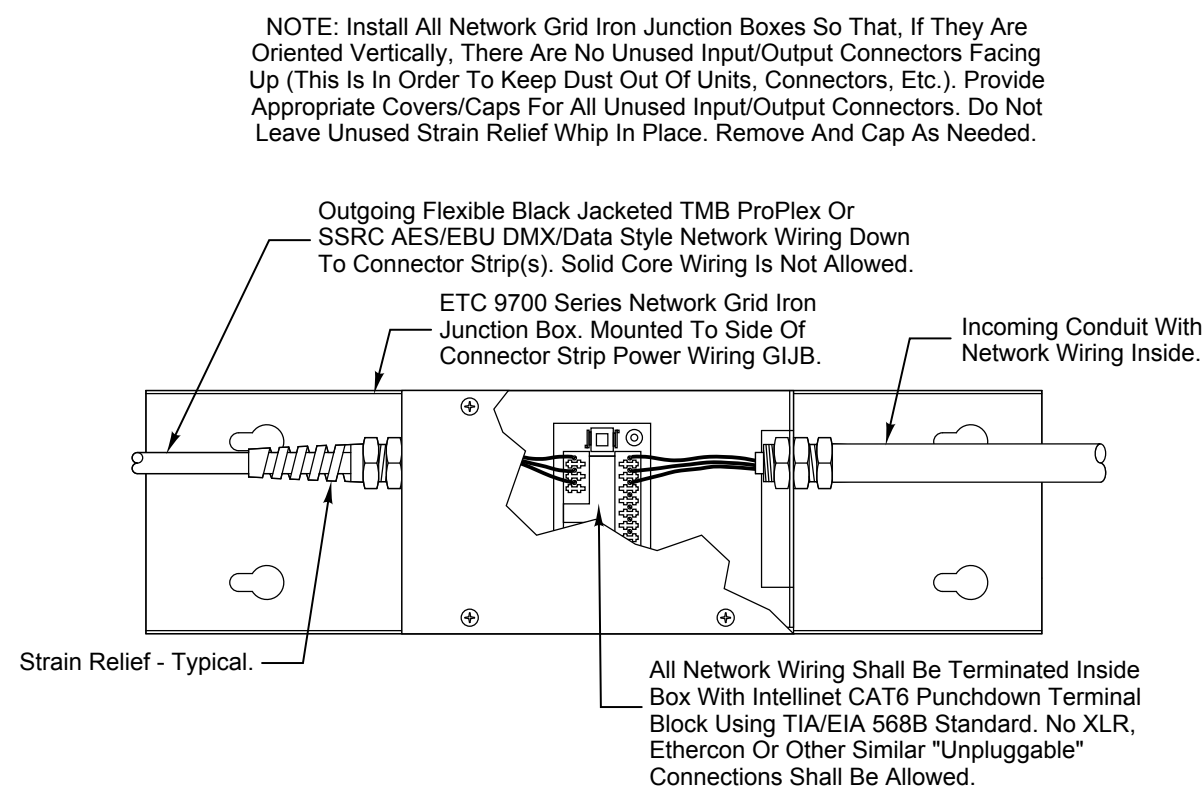




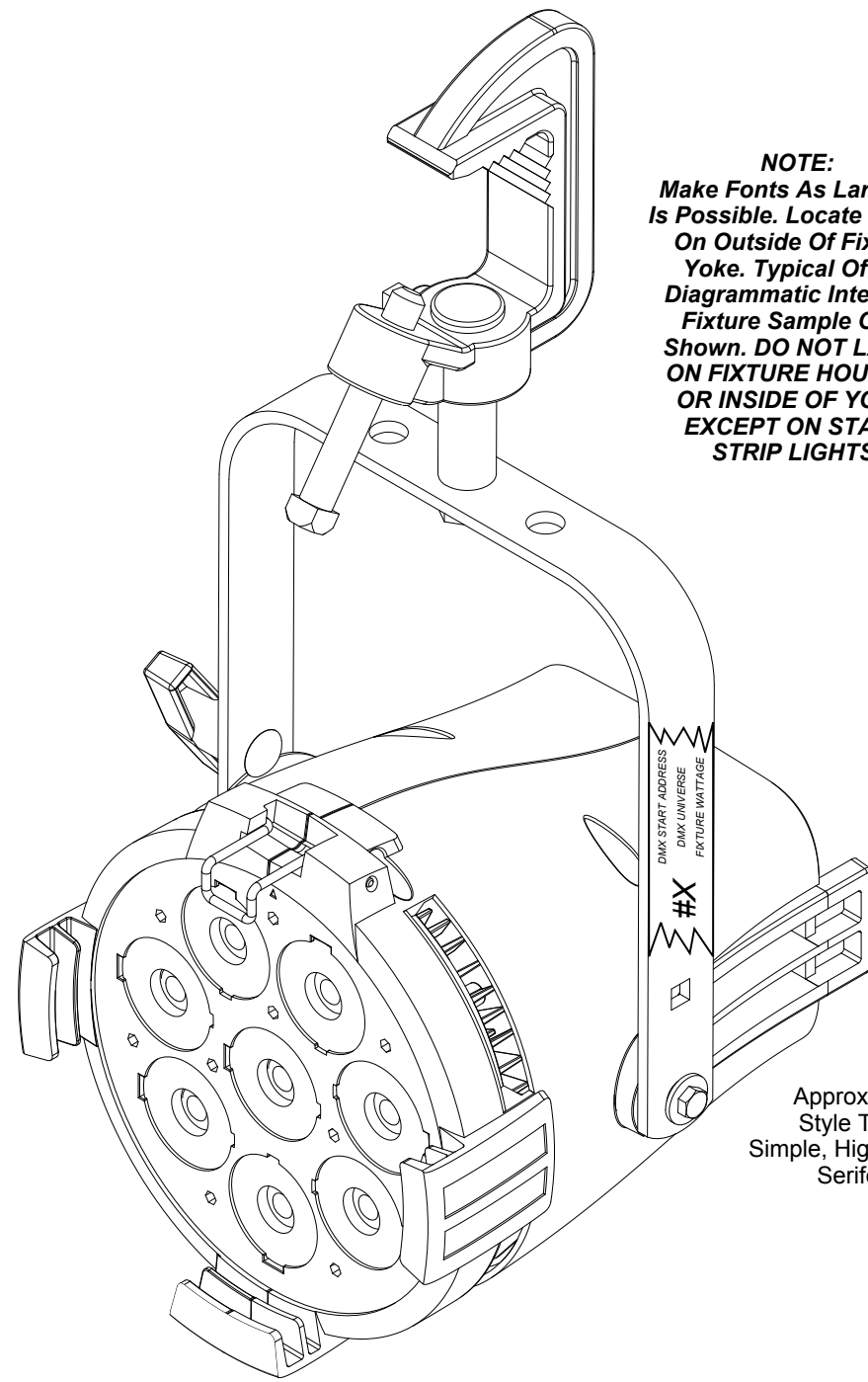
1 CUSTOM POWER DISTRIBUTION BOX  
Scale: 4" = 1"



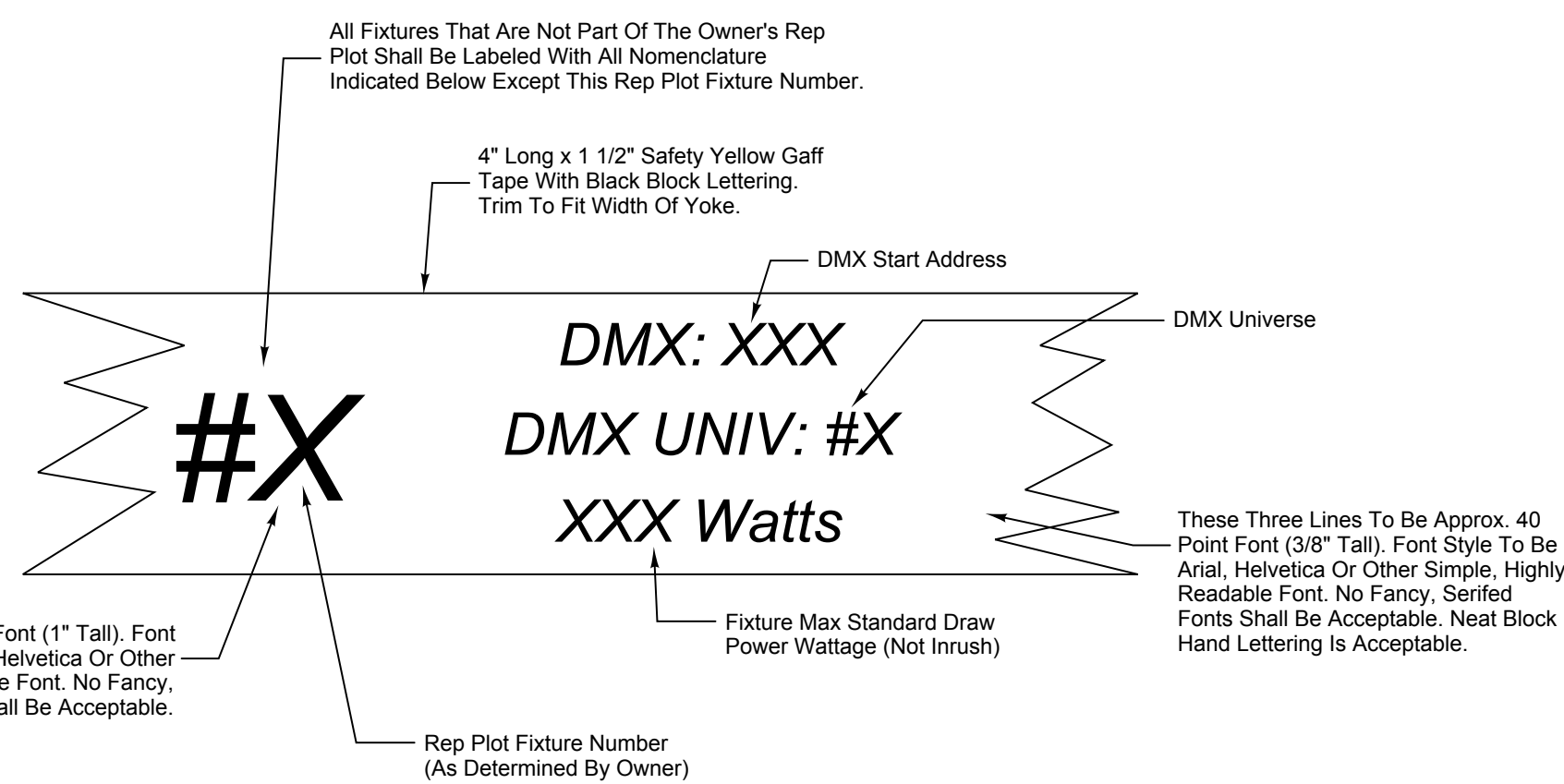
2 CUSTOM NETWORK DISTRIBUTION BOX  
Scale: 4" = 1"



4 NETWORK GRID IRON JUNCTION BOX DETAIL  
Scale: NONE

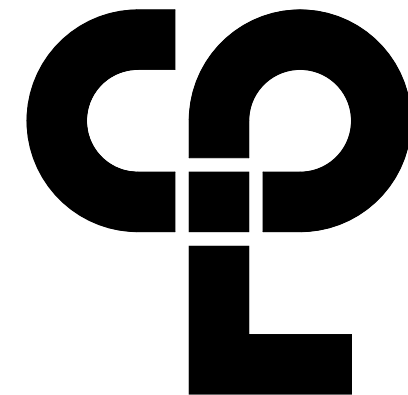


2 FIXTURE LABELING INTENTS DETAIL  
Scale: NONE



5 CABLE MANAGEMENT DETAIL  
Scale: NONE

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Scale  
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Project Status  
CONSTRUCTION DOCUMENTS

Drawn By  
SPJ

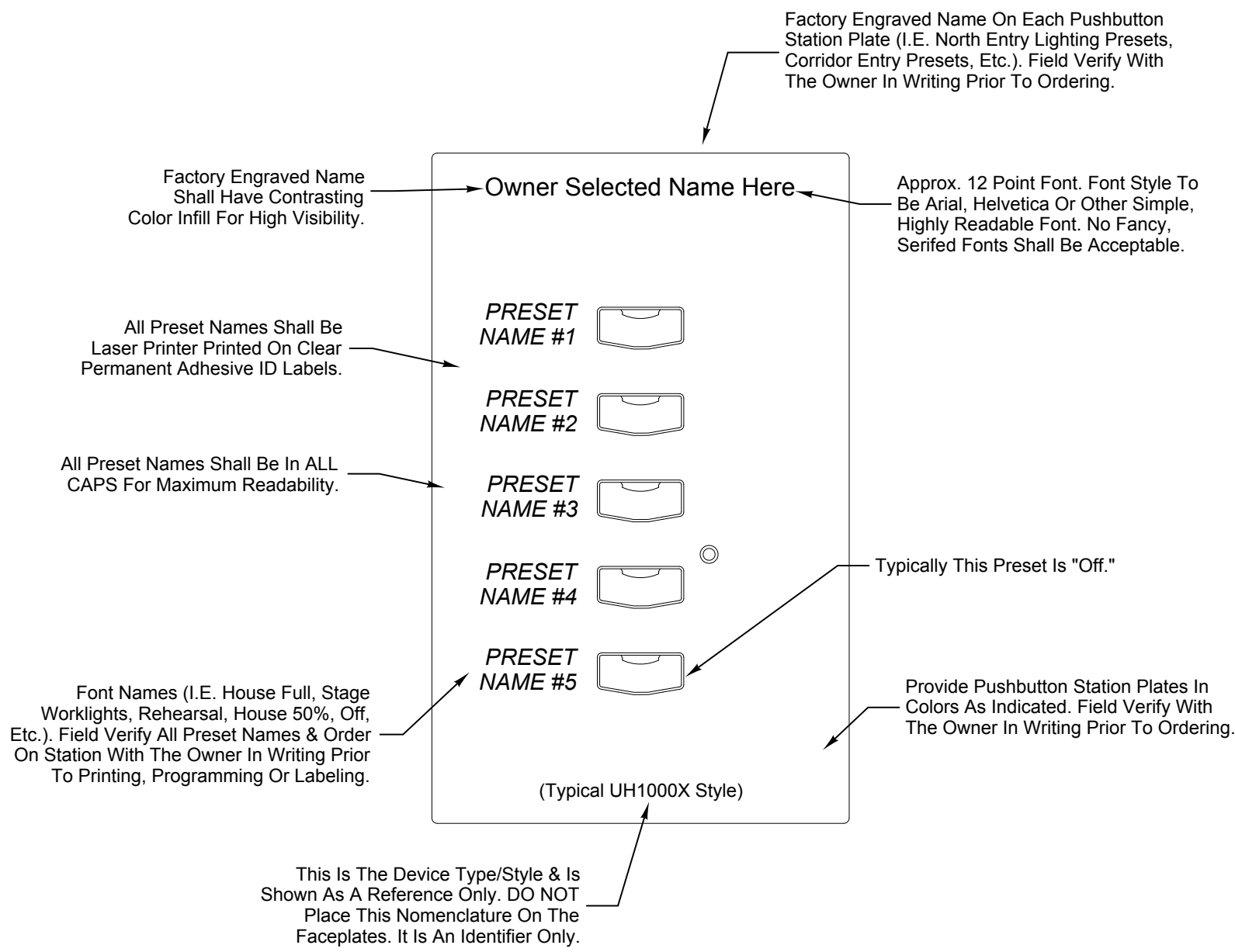
Checked By  
SPJ

Drawing Title  
THEATRICAL LIGHTING SYSTEM  
DETAILS -  
GROUND FLOOR AREA A

Drawing Number

HMS  
TL501





### 1 PUSHBUTTON STATION LABELING DETAIL

SCALE: NONE

#### ARCHITECTURAL CONTROLS PROGRAMMING REQUIREMENTS (PUSHBUTTON/FADER STATIONS) :

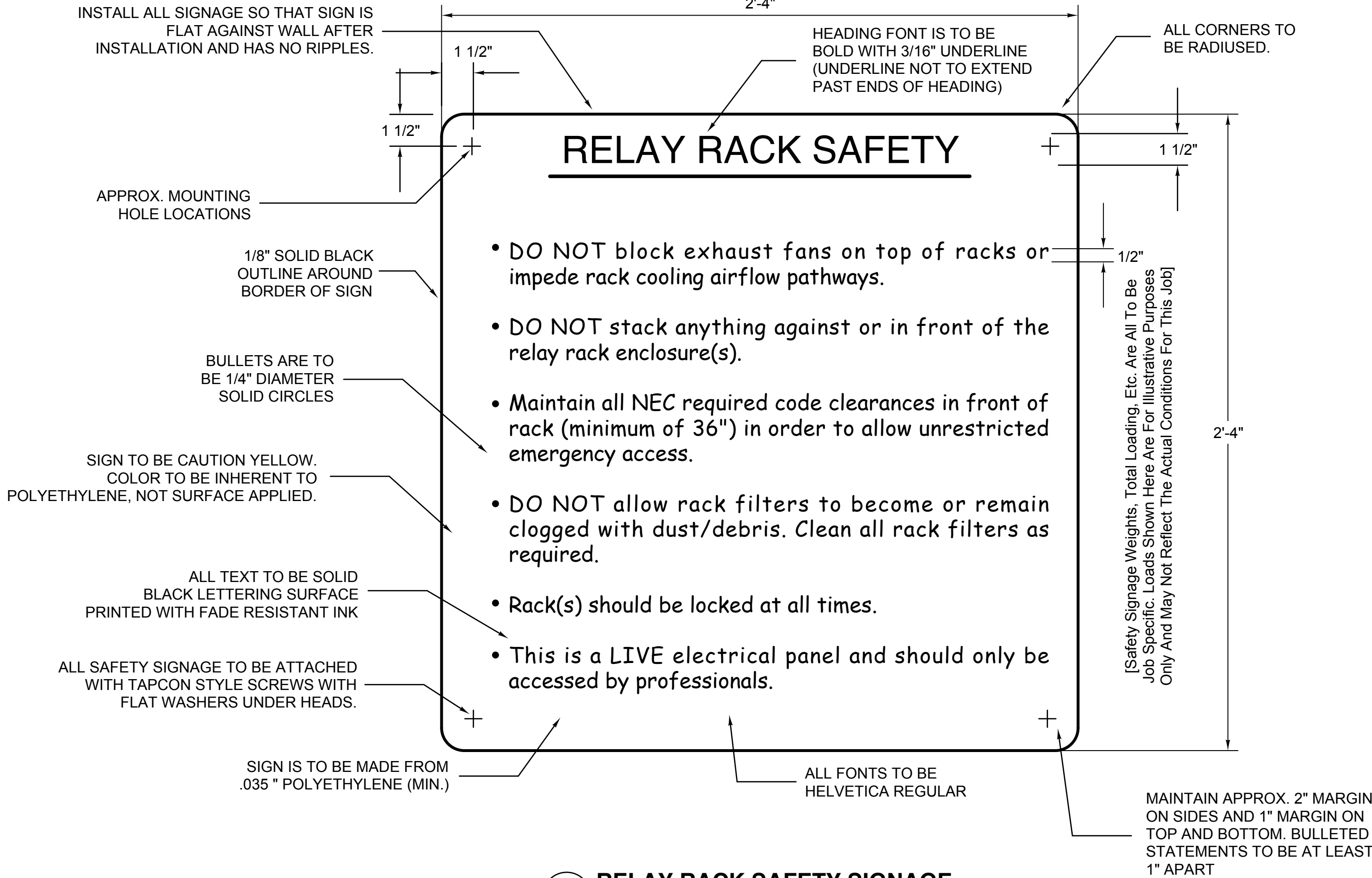
1. Stage level stations shall control the stage worklight circuits ONLY. The pushbutton stations are not to control any other lights. One push of the pushbutton shall toggle lights on, and a second push shall toggle them off.
2. House & Balcony stations shall control various houselighting preset "looks"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

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

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

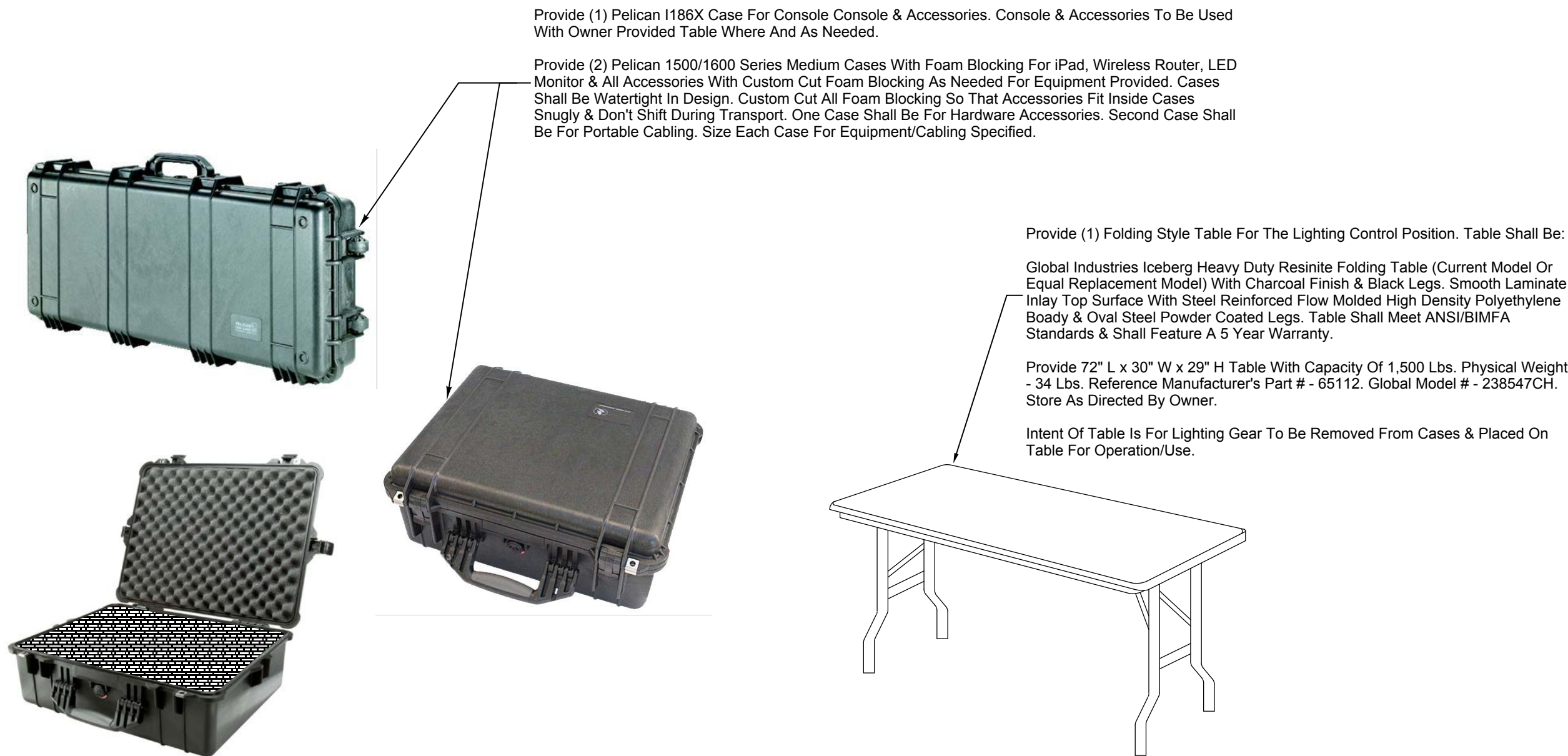
Typical presets are as follows (Obtain actual from owner if these are not desired):

1. Main Floor 100%
2. Main Floor 50%
3. Stage worklights
4. Walk-in
5. Video
6. + (owner selected)



### 2 RELAY RACK SAFETY SIGNAGE

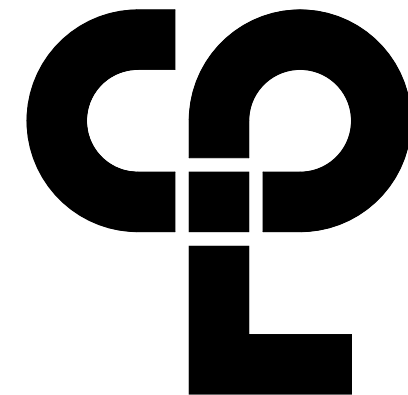
SCALE: NONE



### 3 LIGHTING RELATED CASE/TABLE DETAILS

SCALE: NONE

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Drawn By

SPJ

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SPJ

Drawing Title

THEATRICAL LIGHTING SYSTEM

DETAILS -

GROUND FLOOR AREA A

Drawing Number

HMS

TL502







LIGHTING SYMBOLS KEY:

SYMBOL	ITEM DESCRIPTION	BACK BOX	NOTES
[UH10005]	UH10005 - ETC Unison Heritage 5 Button Control Station	One Gang 3.5" Deep	Mounted At Standard Switch Height Or As Indicated.
[P-LCD]	ETC Unison Paradigm P-TS7-XX Wall Mounted LCD Touchscreen Control Station - Permanent Location. (Provide The Latest Version Of Touchscreen With Latest Firmware/Software Loaded, Etc.)	5.33" H x 8.3" W x 3.25" D Provided By Manufacturer	Mounted On Stage As Indicated. Exact Location TBD By Owner. Factory Furnished Back Box. Backbox Size Is Approx. Flush In As Required Once Backbox Is In Hand.
XX	Indicates Conduit Size And/Or Wire Runs		
→XX	Home Run to Device		
[NPB-X]	Network Pull Box - For Lighting Network Feedthrough. There Are To Be No Terminations Within This Box.	8" x 8" x 6" NEMA Box	Mounted To Structural Steel And Positioned To Facilitate Conduit Runs To DMX Drop Boxes.
⊘	Power - Duplex Edison Outlet - (1) 20 Amp, 120 VAC, Single Phase Circuit. See E Series Drawings For Circuit and Panel Designations.	One Gang 3.5" Deep	Mounted At Standard Electrical Outlet Height Or As Indicated.
⊗	Power - Quad Edison Outlet - (2) 20 Amp, 120 VAC, Single Phase Circuits. See E Series Drawings For Circuit and Panel Designations.	Two Gang 3.5" Deep	Mounted At Standard Electrical Outlet Height Or As Indicated.
⊙	Power - Single Edison Outlet - (1) 20 Amp, 120 VAC, Single Phase Circuit. See E Series Drawings For Circuit and Panel Designations.	One Gang 3.5" Deep	Mounted At Standard Electrical Outlet Height Or As Indicated.
[DIN]	Pathway Connectivity - Pathport UNO DMX Node Plug-In Station. (To Be Flush Or Surface Mounted As Indicated On Drawings)	One Gang 3.5" Deep	Mounted At Standard Electrical Outlet Height Or As Indicated To Top Of Existing Connector Strips).
[CS-N]	Network Connection At The End Of The Connector Strip (Network Outlet In Center Of Conn. Strip).		Mounted "Top Hat" On Connector Strip By ETC. Wiring To Be Terminated Inside "Top Hat".
[CR]	Communications Rack - For Lighting Control Distribution, Network Distribution & Power, Cable Management, Switch(s), Patch Panel(s) & Other Related Equipment. Size Rack for Equipment Specified & Needed To Complete System.		Wall Mounted At 60" AFF To The Center Of The Rack.
[ECHO]	ECHO - ETC Unison Echo Relay Panel. ERP-24T121P, 120/208 VAC, Feed Through Panel With Network, Door, Breakers/Relays, Etc. As Required. Provide With Ride Thru Option & All Accessories As Required. See Flow Diagram For Complete Details.	Provided By Manufacturer	Wall Mounted At Approx. 60" AFF To The Center Of The Rack (If Possible). Field Coordinate Exact Location With Owner, NEC, ADA Codes, Existing Obstructions, Etc.
[CS-NET]	Network Entry At The Outlet Box.	N/A	Mounted "Top Hat" On Outlet Box By ETC. Wiring To Be Terminated Inside "Top Hat". No Connectorized Terminations (IE XLR, RJ45, Etc. Shall Be Allowed At The Top Hat.
[N]	Unison Heritage Single Network Plug-in Station	One Gang 3.5" Deep	Mounted At Standard Electrical Outlet Height Or As Indicated.
[2N]	Unison Heritage Dual Network Plug-in Station	Two Gang 3.5" Deep	Mounted At Standard Electrical Outlet Height Or As Indicated.
[WAP]	Cisco Aironet 1600 Series Enterprise Class, High Power, Concurrent Dual-band, Omnidirectional Wireless Access Point. Provide With External Antennas & Locks, If Needed.	One Gang 3.5" Deep	Mounted On/In Ceiling And For Maximum Coverage Or As Indicated.

Notes:

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

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

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

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

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

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

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

Standard Switch Height Is Typically 48" To The Top Of Box.

Standard Outlet Height Is Typically 20" To Top Of Box.

Verify All Standard Heights With E Series Drawings/Field Conditions.

THEATRICAL LIGHTING SYSTEM KEYED NOTES:

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

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

GENERAL:

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

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

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

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

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

MISCELLANEOUS:

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

MODEL NUMBERS:

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

LIGHTING SYSTEM KEYED NOTES:

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

SYSTEM SETUP:

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

ARCHITECTURAL CONTROLS SETUP:

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

LIGHTING SYSTEM KEYED REMOVAL NOTES:

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

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

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

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

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

It is understood that, when visual depictions of lighting elements are shown on the removals drawings, it is a diagrammatic representation of the items to be removed. Not every single instance of related devices to be removed has or can be shown. The contractor is responsible to remove all similar devices and classes of devices as those that are indicated.

Remove all theatrical style fixtures from all stage & front of house pipe battens and legally dispose of these items.

Remove all existing stage borderlight fixtures and legally dispose of these items

Use a man lift and/or appropriate safety harnesses for personnel removing lighting fixtures. Any damage done to steel, glu-lams, floors, etc. caused by failure to use appropriate methods of removal will be the sole responsibility of the contractor to repair & return to their prior state before the damage was done.

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

Refer to other TL series drawings for more information on any items noted above as being reinstalled in the new lighting system.

Remove the existing lighting pigtail outlet boxes from the stage and FOH locations and legally dispose of all items and related conduit & wiring.

Remove the existing architectural control system pushbutton and fader station controls and all related conduit & wiring and legally dispose of these items.

Disconnect and remove all existing conduit, wiring, etc. that has been piped through the upper stage right wall and is dangling/unterminated in space. Legally dispose of all related removed conduit & wiring.

Trace and verify all existing circuits, wiring and destinations (all circuits powered from the existing wall mounted dimmer cabinet) and label and tag any related householding circuits currently powering ETR householding fixtures prior to disconnecting the wiring. Provide new dimming type modules in the new rack in order to power/dim these ETR fixtures properly.

Disconnect and remove all stage SO cable wiring and grid iron and related junction boxes from the existing borderlight fixtures, FOH locations, etc. and legally dispose of these items.

Disconnect and remove all feeder power wiring, breaker panels, breakers and conduit to the existing wall mounted dimmer cabinet and legally dispose of all related conduit, breaker panels, breakers and wiring (mounted panels-do not remove breakers that are still actively feeding other devices, outlets, etc.). Provide new breakers as required to power new equipment.

At all locations where existing wiring and conduit to devices indicated for removal is buried within inaccessible walls, floors, ceilings, etc., remove as much of indicated wiring, conduit and related devices and hardware to the extent practical (i.e. to just below the related building surface), cap both ends of existing wiring, provide blank, color matched cover plates and abandon in place those items (conduit & wiring) that would otherwise require major excavation in order to completely remove.

Examine all architectural and E series drawings in order to obtain further information as to the scope of the electrical removal requirements for this project.

Remove and legally dispose of the existing wall mounted dimmer cabinet.

GENERAL NOTES:

Do not scale plans.

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

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

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

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

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

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

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

ELECTRICAL RELATED NOTES FOR THE THEATRICAL LIGHTING SYSTEM:

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

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

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

PROFESSIONAL STANDARDS:

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

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

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

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

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

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

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

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

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

BOXES, CONDUIT & WIRE:

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

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

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

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

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

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

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

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

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

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

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

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

Any wiring splices necessary must utilize butt style inline insulated splices crimped with a properly adjusted controlled cycle termination tool. Referenced product Part Number: 101043 or equal. Size splices per gauges of wiring to be spliced & provide as required. No incorrectly sized splices shall be allowed.

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

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

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

FLEXIBLE CABLE DROPS:

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

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

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

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

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

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

ELECTRICAL RELATED NOTES FOR THE THEATRICAL LIGHTING SYSTEM - CONTINUED:

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

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

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

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

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

INSTALLATION OF EQUIPMENT:

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

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

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

ACCEPTANCE TESTING:

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

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

ELECTRICAL RELATED KEYED NOTES FOR THE THEATRICAL LIGHTING SYSTEM:

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

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

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

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

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

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

CATEGORY WIRING & TERMINATIONS:

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

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

SO FLEXIBLE MULTI-CABLE STAGE ELECTRIC POWER DROPS:

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

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

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

MISCELLANEOUS:

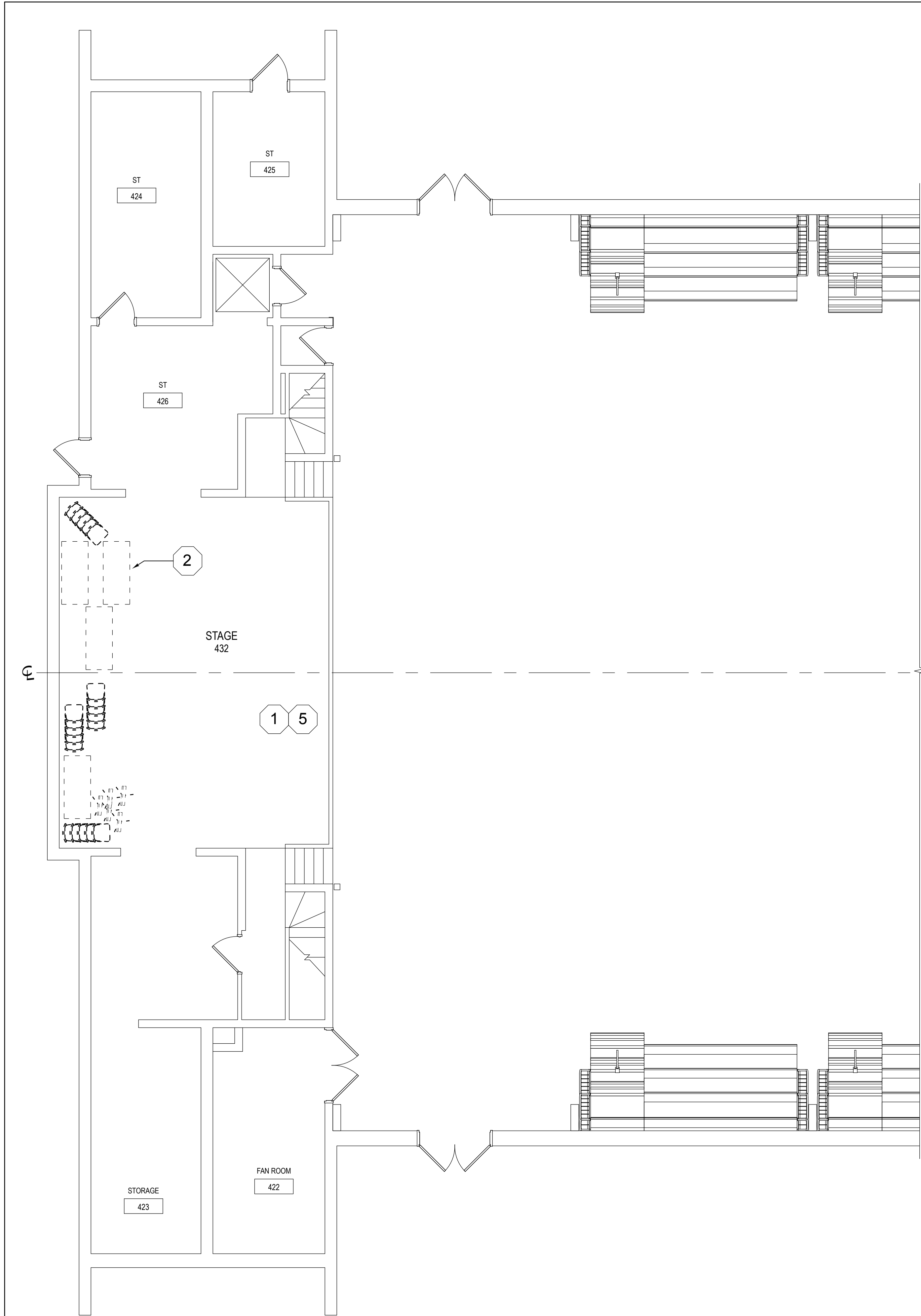
Refer to the E Series drawings for power conduit sizes and wire gauge/type designations and requirements as well as for panel and circuit designations.

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

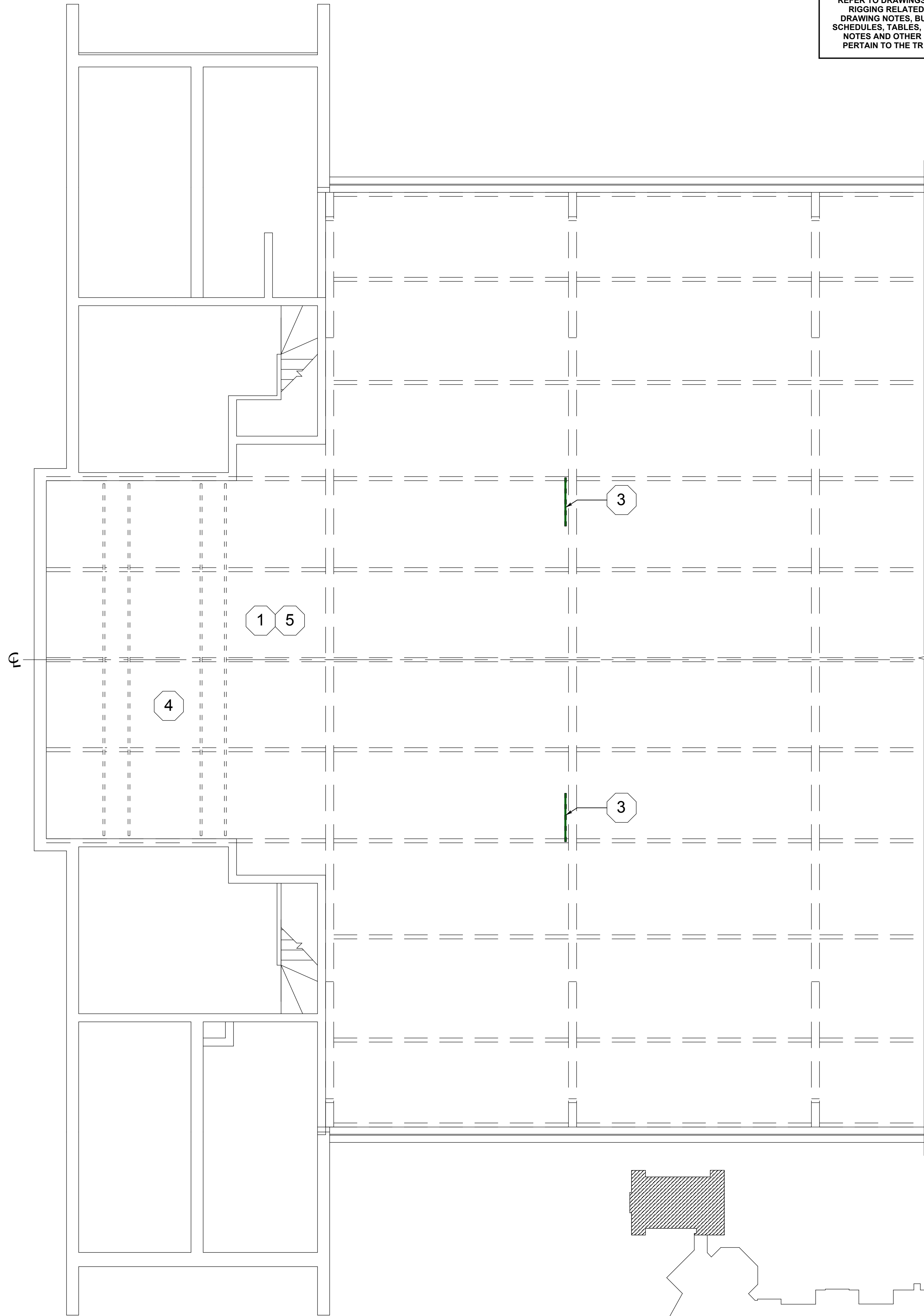
Provide all surface mounted outlet boxes as full-sized backboxes so that the cover/face plates do not protrude beyond the box edges. All outlet boxes to be Thomas & Betts AFS style boxes or equivalent size/style. The intent is for the faceplate to be the same size as the backbox in order to prevent sharp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

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

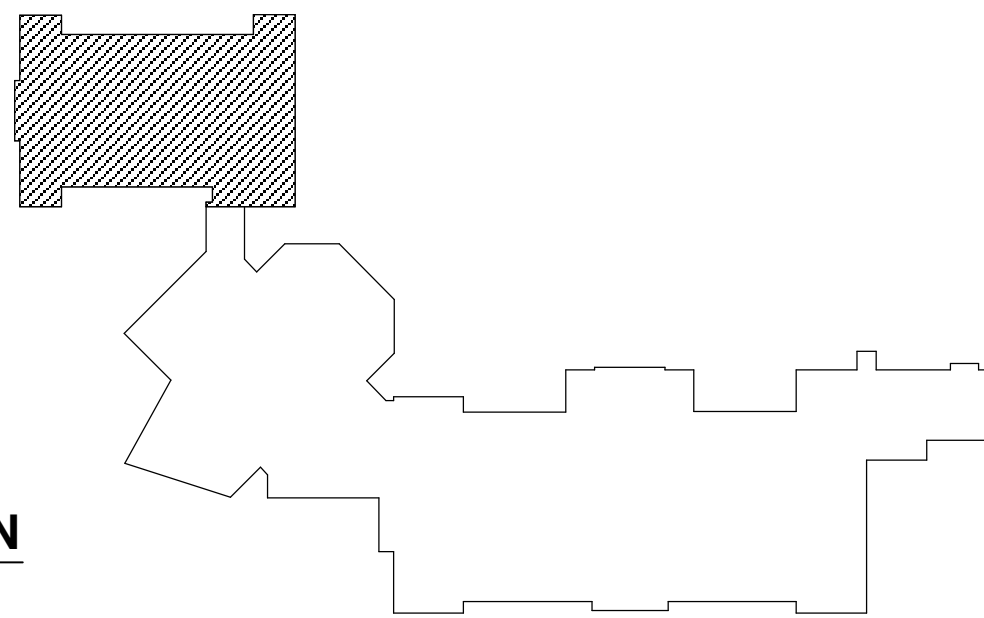




**1 LOWER LEVEL RIGGING REMOVAL PLAN**  
SCALE: 3/16" = 1'

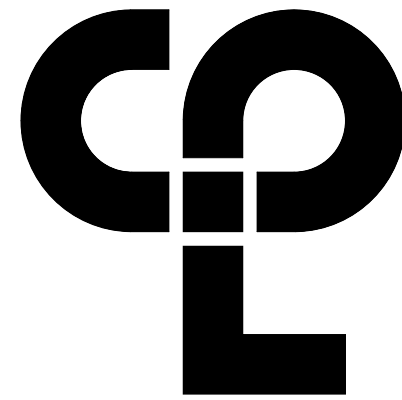


**2 UPPER LEVEL RIGGING REMOVAL PLAN**  
SCALE: 3/16" = 1'



**KEYPLAN AREA A**  
NTS

REFER TO DRAWINGS HMS TR601 FOR ALL  
RIGGING RELATED REMOVAL NOTES,  
DRAWING NOTES, BUBBLE NOTES, KEYS,  
SCHEDULES, TABLES, ELECTRICAL RELATED  
NOTES AND OTHER INFORMATION THAT  
PERTAIN TO THE TR SERIES DRAWINGS.



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**PROJECT INFORMATION**

Project Number  
13940.18  
Client Name  
**NEWBURGH ENLARGED CITY  
SCHOOL DISTRICT**  
Project Name  
**PHASE 3: HERITAGE MIDDLE  
SCHOOL 2019 CAPITAL  
IMPROVEMENT PROJECT**

Project Address  
405 Union Avenue, New Windsor, NY 12553

SED Number  
44-16-00-01-0-039-011

**PROJECT ISSUE SCHEDULE**  
No. Date Description

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THE ALTERING PARTY SHALL AFFIX TO THE ITEM THEIR SEAL  
AND THE NOTATION "ALTERED BY" FOLLOWED BY THEIR  
SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A  
SPECIFIC DESCRIPTION OF THE ALTERATION.

**SHEET INFORMATION**

Issued  
9/9/2021  
Scale  
As indicated

Project Status  
**CONSTRUCTION DOCUMENTS**

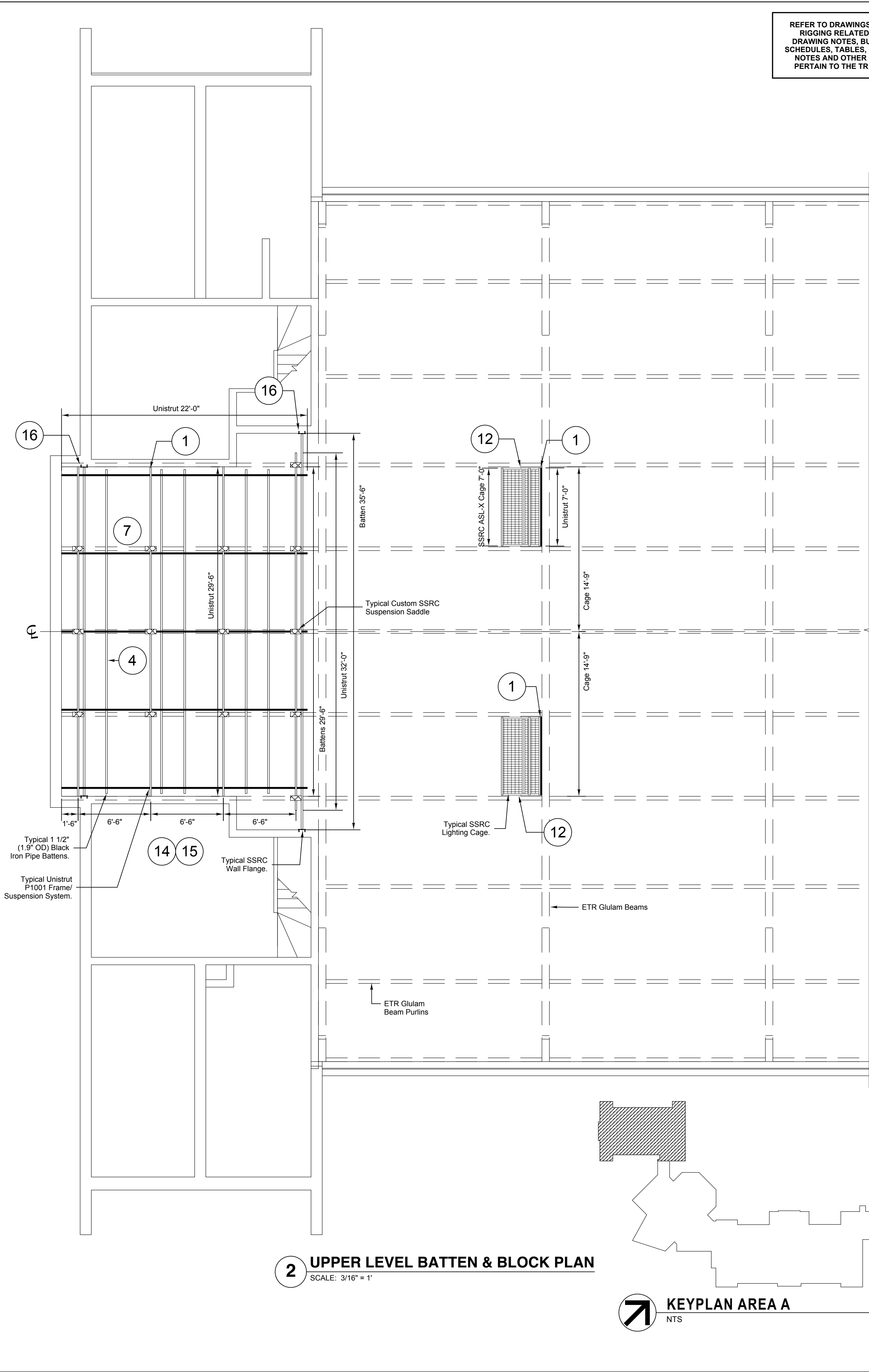
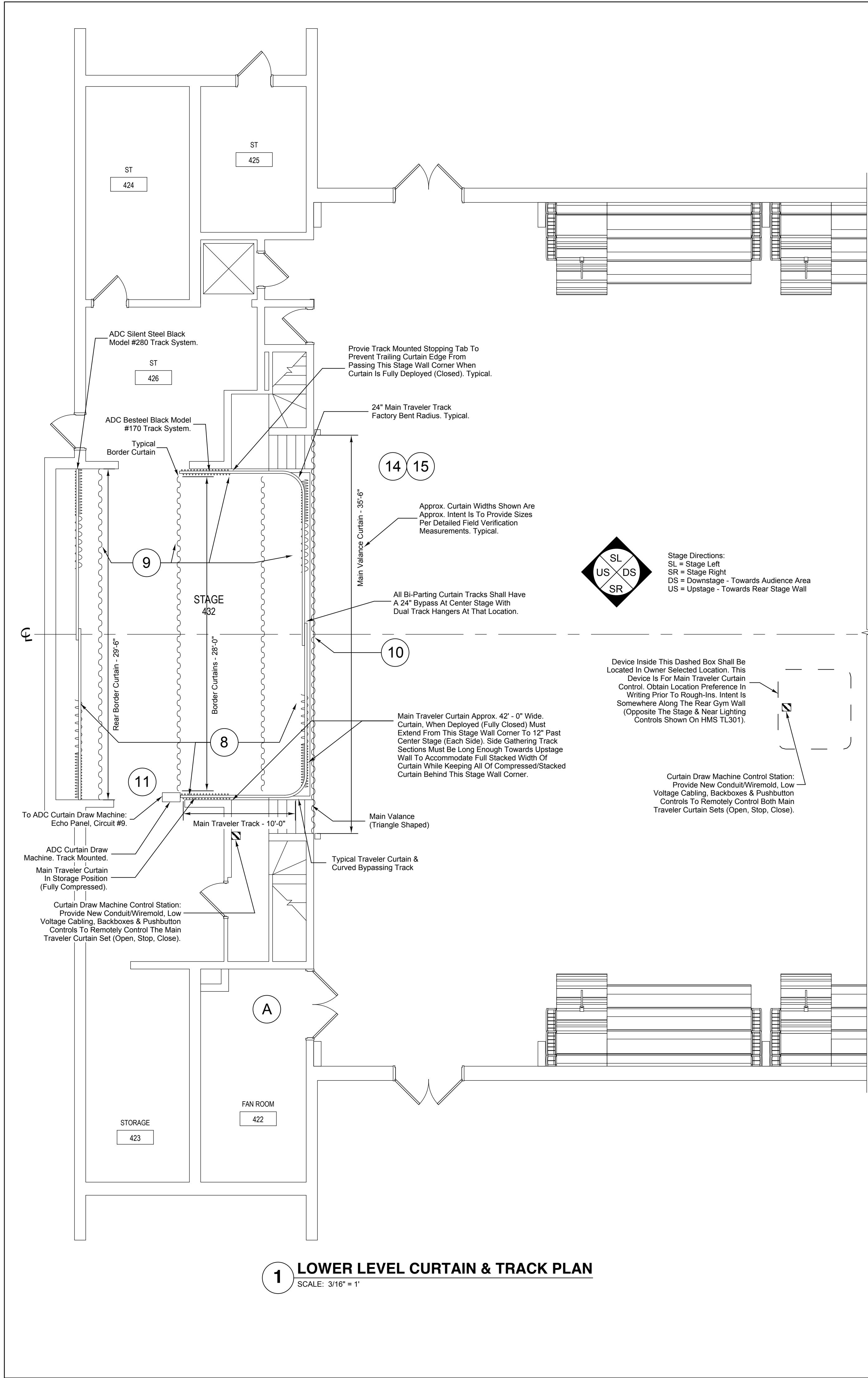
Drawn By  
SPJ  
Checked By  
SPJ

Drawing Title  
**THEATRICAL RIGGING SYSTEM  
REMOVAL PLANS -  
GROUND FLOOR AREA A**

Drawing Number

**HMS  
TR101**

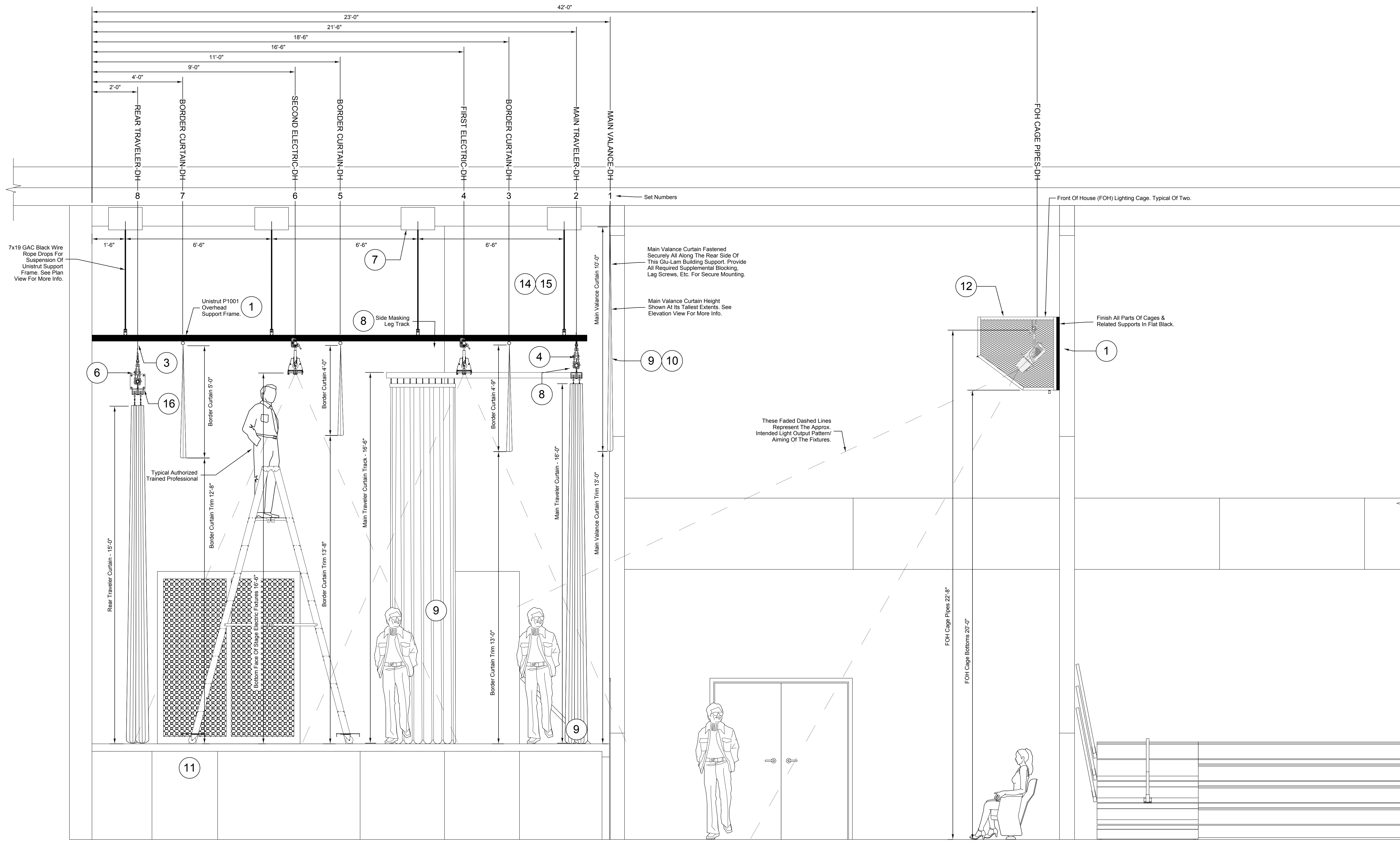




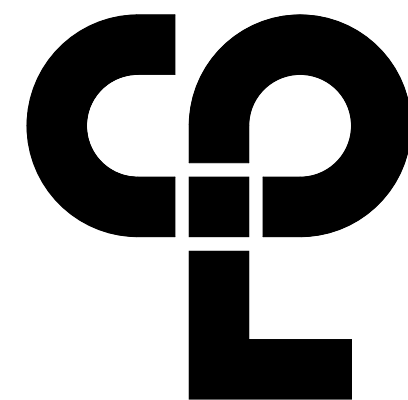
REFER TO DRAWINGS HMS TR601 FOR ALL RIGGING RELATED REMOVAL NOTES, DRAWING NOTES, BUBBLE NOTES, KEYS, SCHEDULES, TABLES, ELECTRICAL RELATED NOTES AND OTHER INFORMATION THAT PERTAIN TO THE TR SERIES DRAWINGS.



REFER TO DRAWINGS HMS TL601 FOR ALL LIGHTING RELATED REMOVAL NOTES, DRAWING NOTES, BUBBLE NOTES, KEYS, SCHEDULES, TABLES, ELECTRICAL RELATED NOTES AND OTHER INFORMATION THAT PERTAIN TO THE TL SERIES DRAWINGS.



**1 STAGE RIGGING SYSTEM PARTIAL SECTION**  
SCALE: 1/2" = 1'



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**SHEET INFORMATION**

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Project Status

CONSTRUCTION DOCUMENTS

Drawn By

SPJ

Checked By

SPJ

Drawing Title

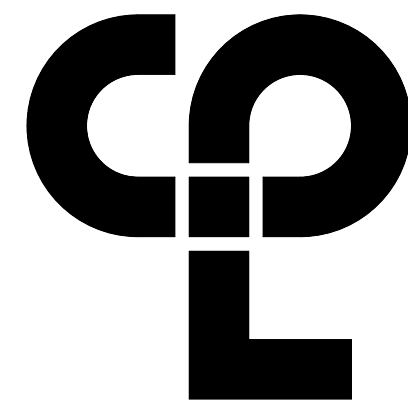
**THEATRICAL RIGGING SYSTEM  
PARTIAL SECTION -  
GROUND FLOOR AREA A**

Drawing Number

**HMS  
TR302**



REFER TO DRAWINGS HMS TL601 FOR ALL  
LIGHTING RELATED REMOVAL NOTES,  
DRAWING NOTES, BUBBLE NOTES, KEYS,  
SCHEDULES, TABLES, ELECTRICAL RELATED  
NOTES AND OTHER INFORMATION THAT  
PERTAIN TO THE TL SERIES DRAWINGS.



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CONSULTANTS IN THEATRICAL DESIGN  
1788 PONDFIELD ROAD - PONDFIELD, NY 12550  
PHONE: (845) 586-1100 - FAX: (845) 586-1101

#### PROJECT INFORMATION

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Project Name

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#### SHEET INFORMATION

Issued

9/9/2021

Scale

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Project Status

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Drawn By

SPJ

Checked By

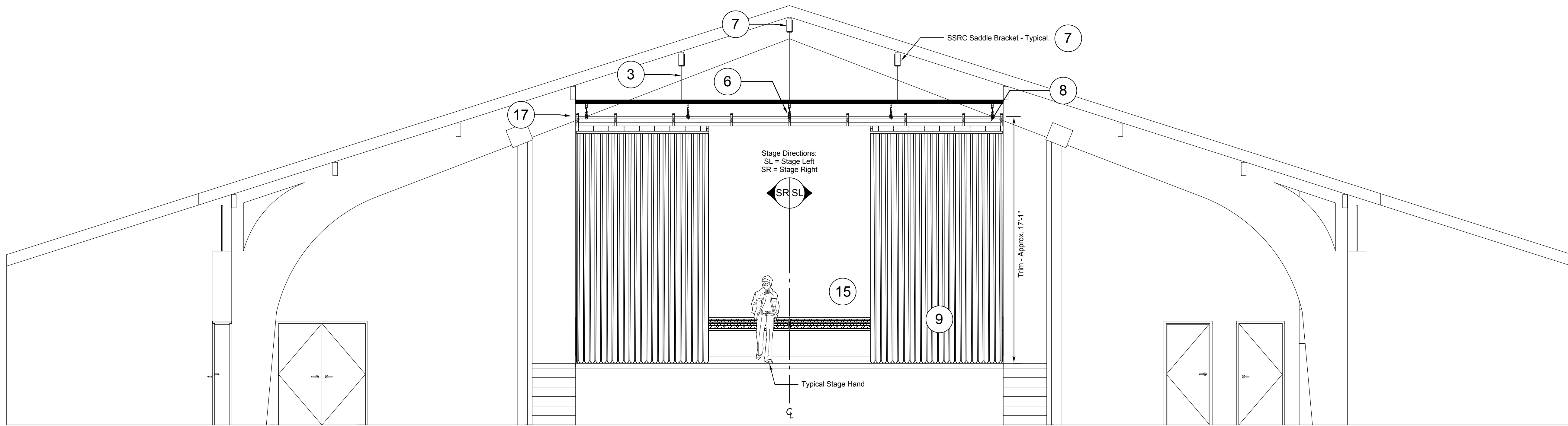
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Drawing Title

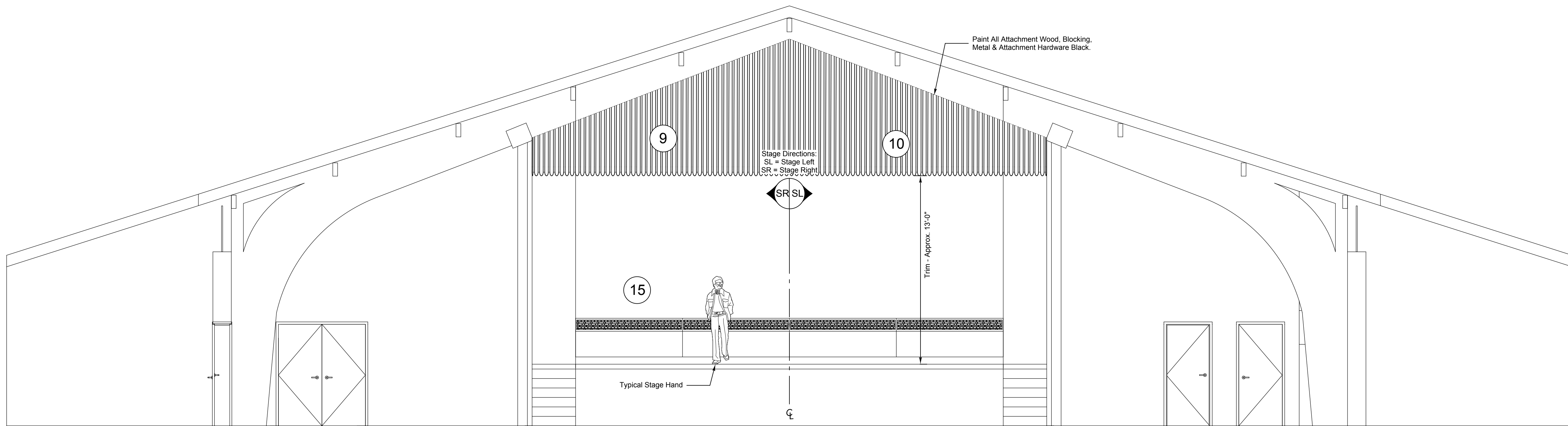
THEATRICAL RIGGING SYSTEM  
ELEVATIONS -  
GROUND FLOOR AREA A

Drawing Number

HMS  
TR303



1 MAIN TRAVELER CURTAIN SET TRAVEL LIMITS  
SCALE: 3/16" = 1'



2 TYPICAL MAIN VALANCE CURTAIN SET TRAVEL LIMITS  
SCALE: 3/16" = 1'





**awl designs inc.**  
DESIGNS INCORPORATED  
CONSULTANTS IN THEATRICAL DESIGN

---

1788 PENFIELD ROAD • PENFIELD, NY 14526  
PHONE: (585) 586-1100 • FAX: (585) 586-1140

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No.	Date	Description
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SHEET INFORMATION

Project Status  
CONSTRUCTION DOCUMENTS

Drawing Title  
**THEATRICAL RIGGING SYSTEM**

Drawing Number

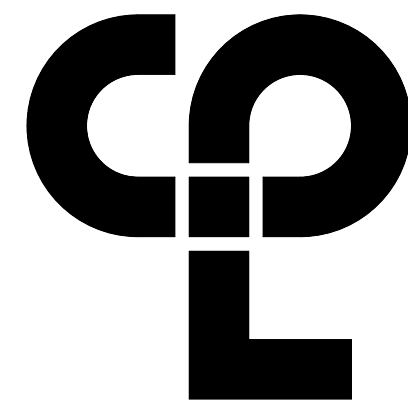
HMS

TR304





REFER TO DRAWINGS HMS TL601 FOR ALL  
LIGHTING RELATED REMOVAL NOTES,  
DRAWING NOTES, BUBBLE NOTES, KEYS,  
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NOTES AND OTHER INFORMATION THAT  
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Issued

9/9/2021

Scale

As indicated

Project Status

CONSTRUCTION DOCUMENTS

Drawn By

SPJ

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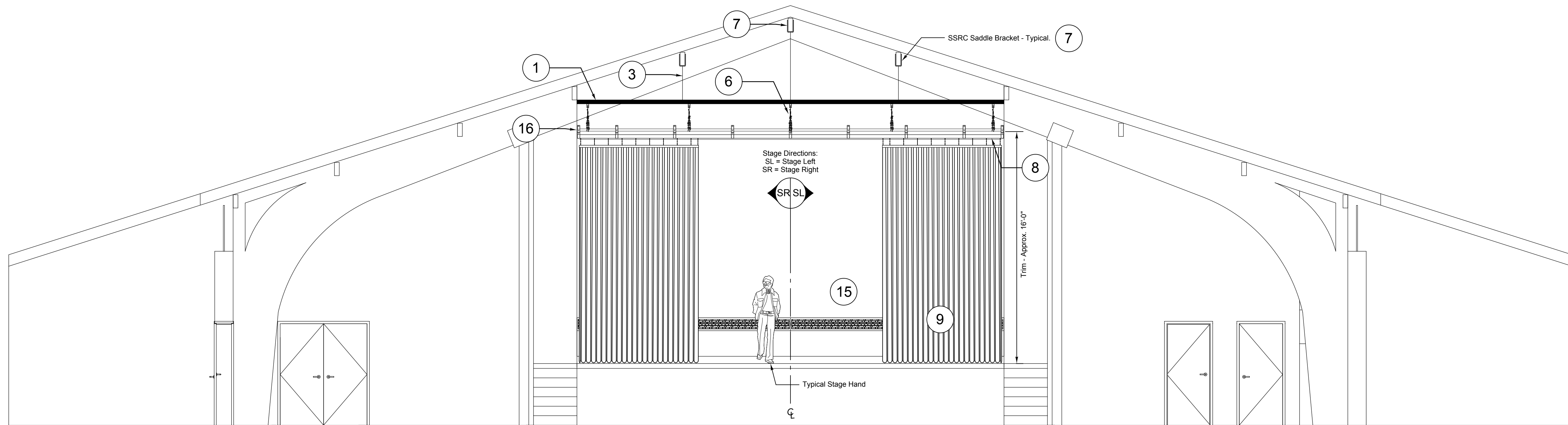
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Drawing Title

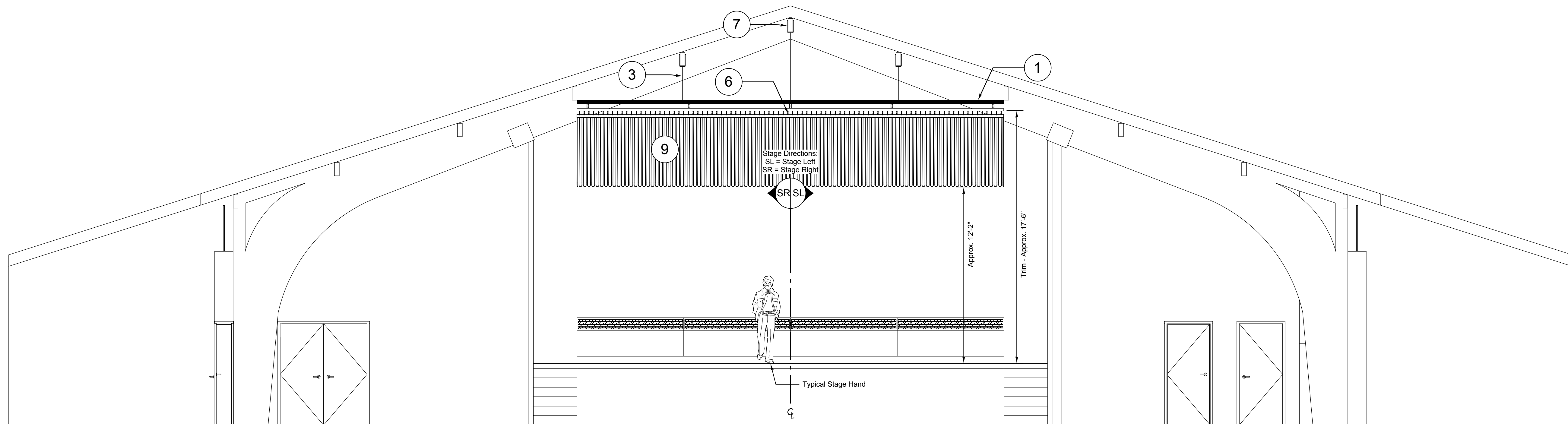
THEATRICAL RIGGING SYSTEM  
ELEVATIONS -  
GROUND FLOOR AREA A

Drawing Number

HMS  
TR305



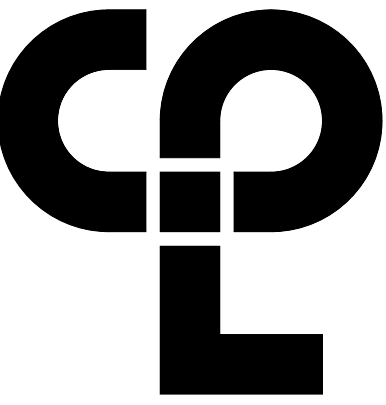
1 TYPICAL REAR TRAVELER CURTAIN SET TRAVEL LIMITS  
SCALE: 3/16" = 1'



2 TYPICAL BORDER CURTAIN SET TRAVEL LIMITS  
SCALE: 3/16" = 1'



REFER TO DRAWINGS HMS TL601 FOR ALL  
LIGHTING RELATED REMOVAL NOTES,  
DRAWING NOTES, BUBBLE NOTES, KEYS,  
SCHEDULES, TABLES, ELECTRICAL RELATED  
NOTES AND OTHER INFORMATION THAT  
PERTAIN TO THE TL SERIES DRAWINGS.



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50 FRONT ST. SUITE 202  
NEWBURGH, NY 12550  
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## PROJECT INFORMATION

40.18

Full Name

EWBU

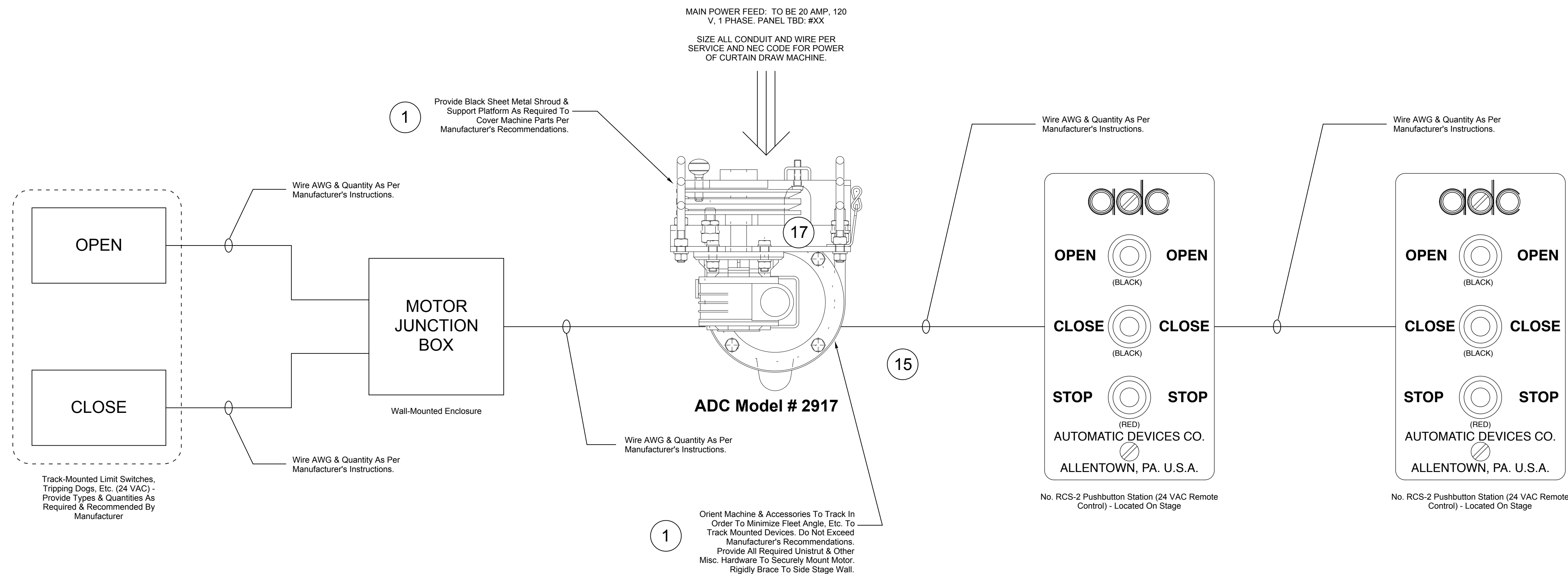
SCHOOL DISTRICT

### PHASE 3: HERITAGE MIDDLE SCHOOL 2019 CAPITAL IMPROVEMENT PROJECT

Union Avenue, New Windsor, NY 12553

Number  
16-00-01-0-039-011

### PROJECT ISSUE SCHEDULE



### 1 CURTAIN DRAW MACHINE SINGLE LINE FLOW DIAGRAM

Scale: NONE

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

## MEET INFORMATION

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2021

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INSTRU

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### MAINTAINING A RECORD OF THE WORK

## THEATRICAL RIGGING SYSTEM

## CURTAIN DRAW MACHINE FLO

### AGRAM - GROUND FLOOR

REAA

ing Number

HMS

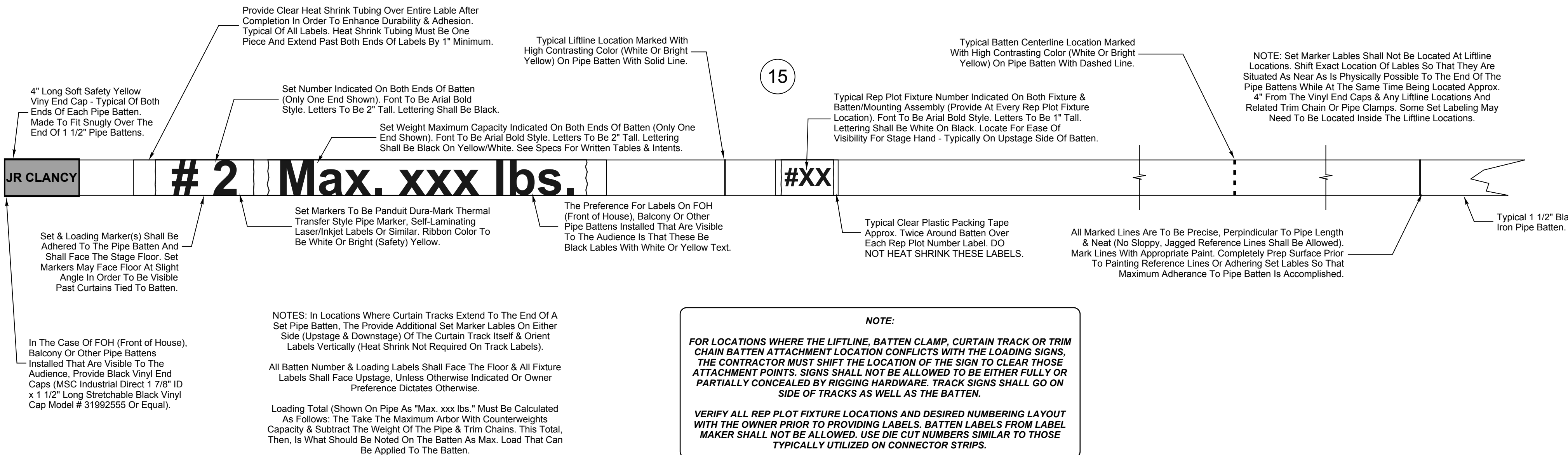
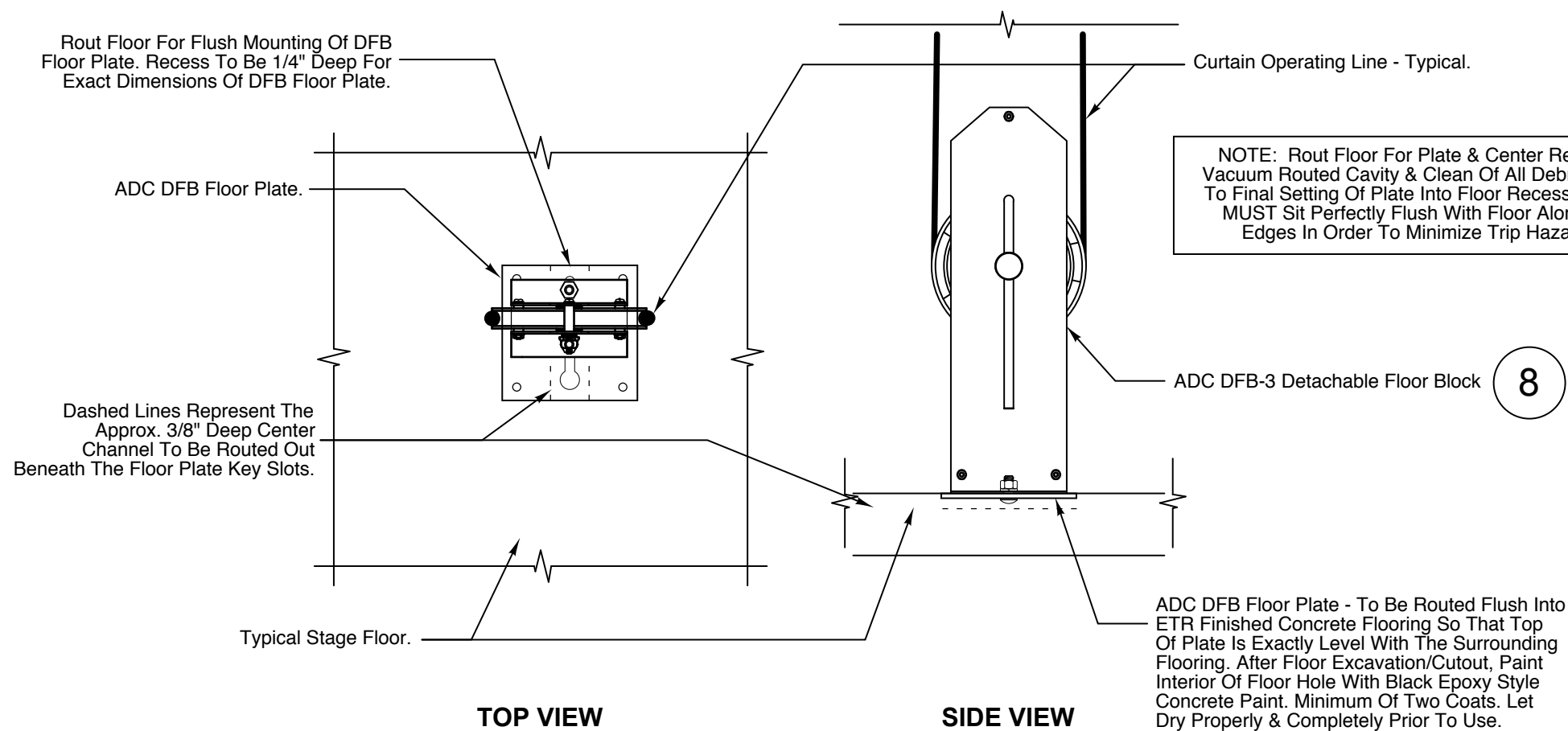
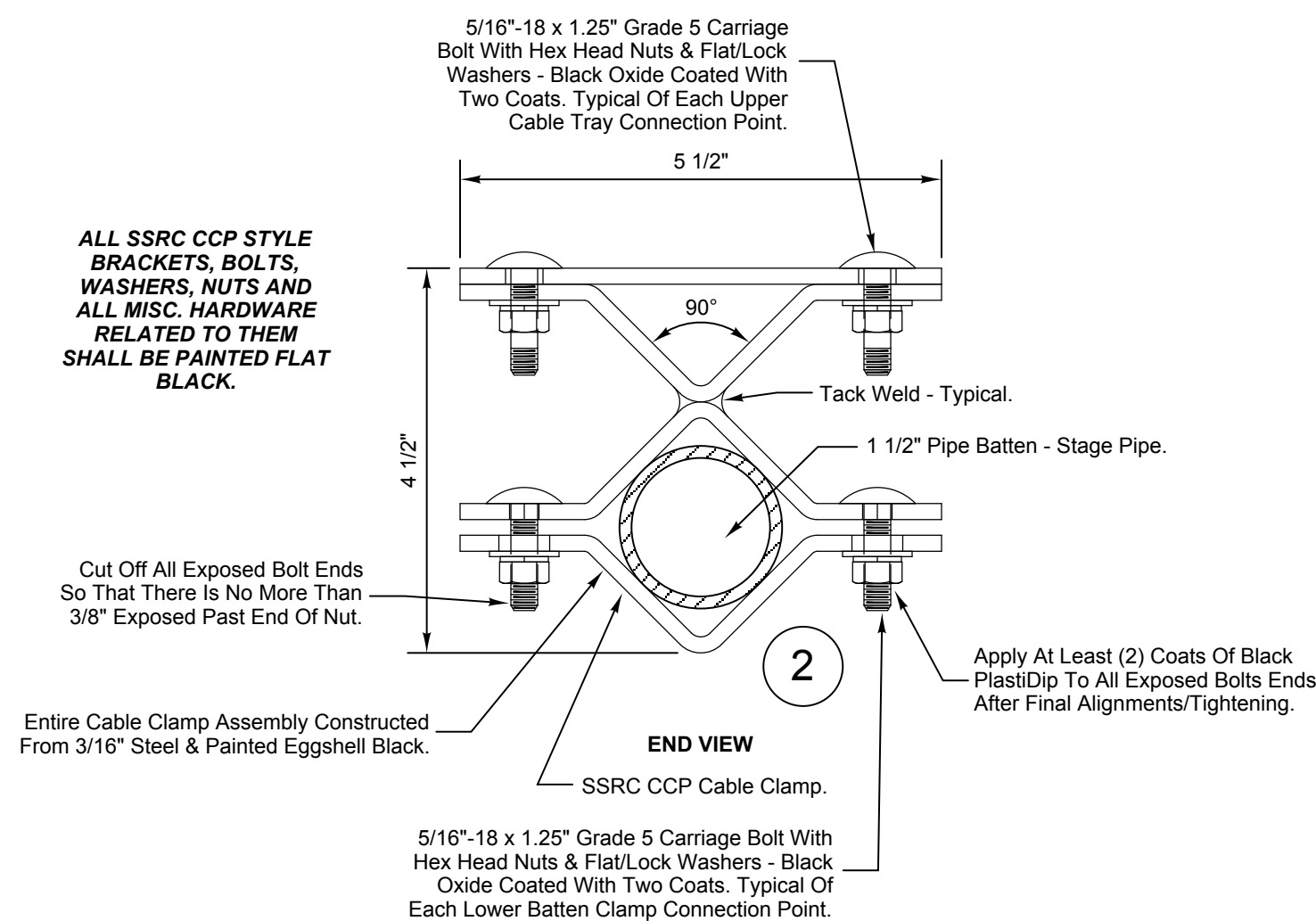
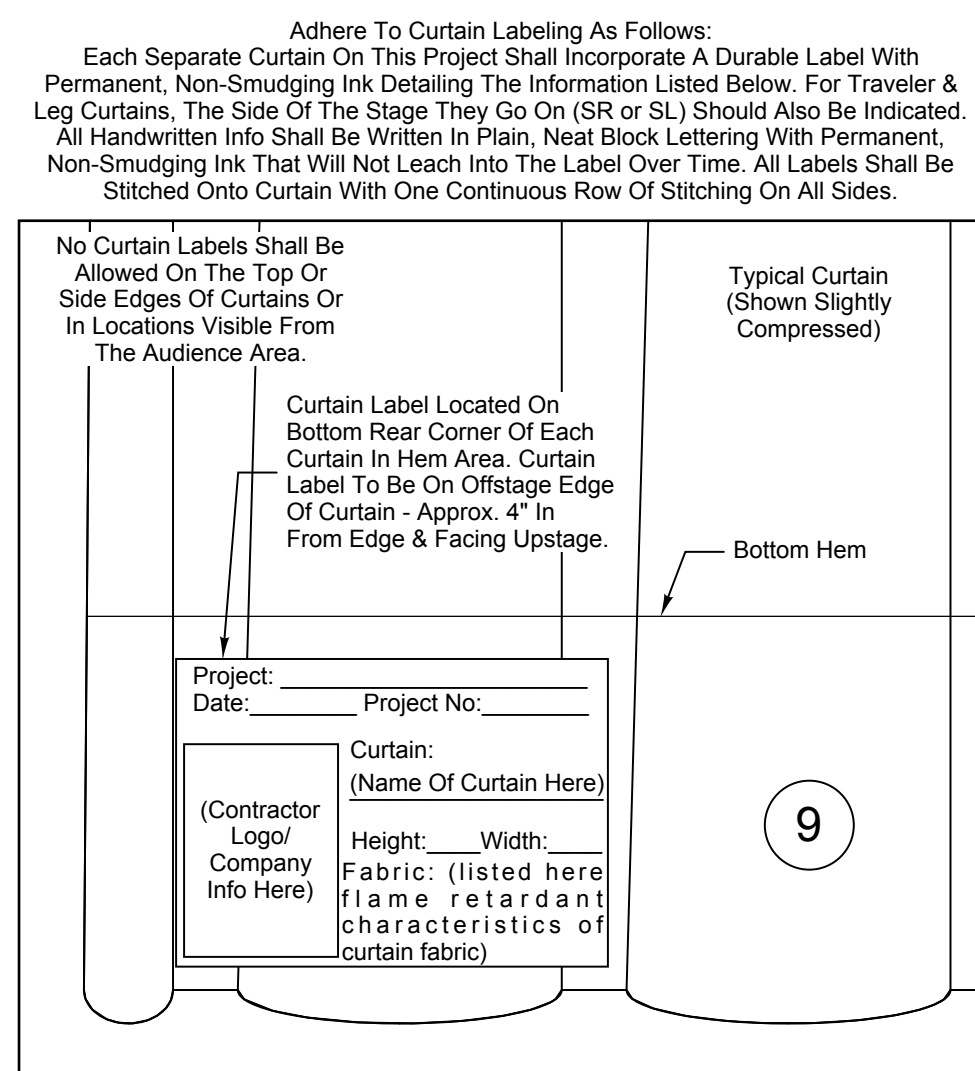
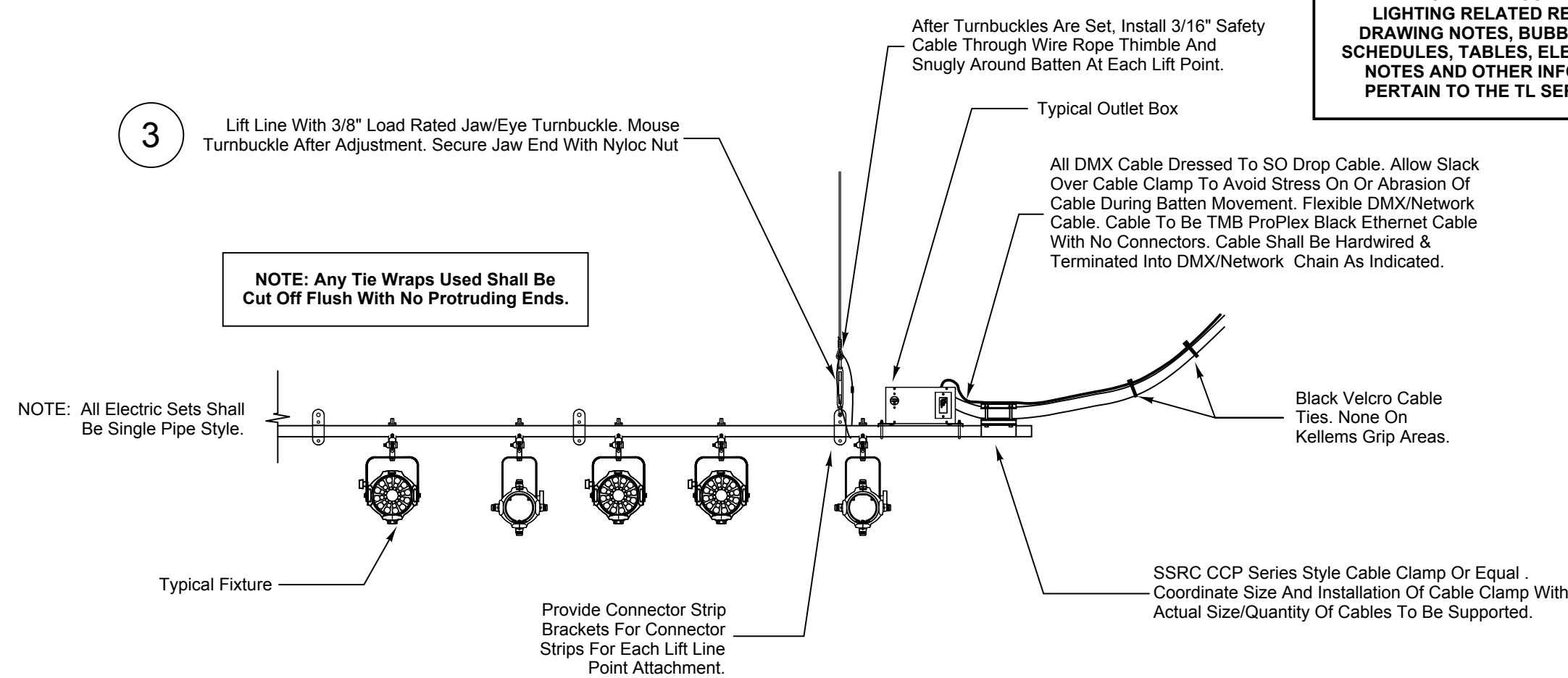
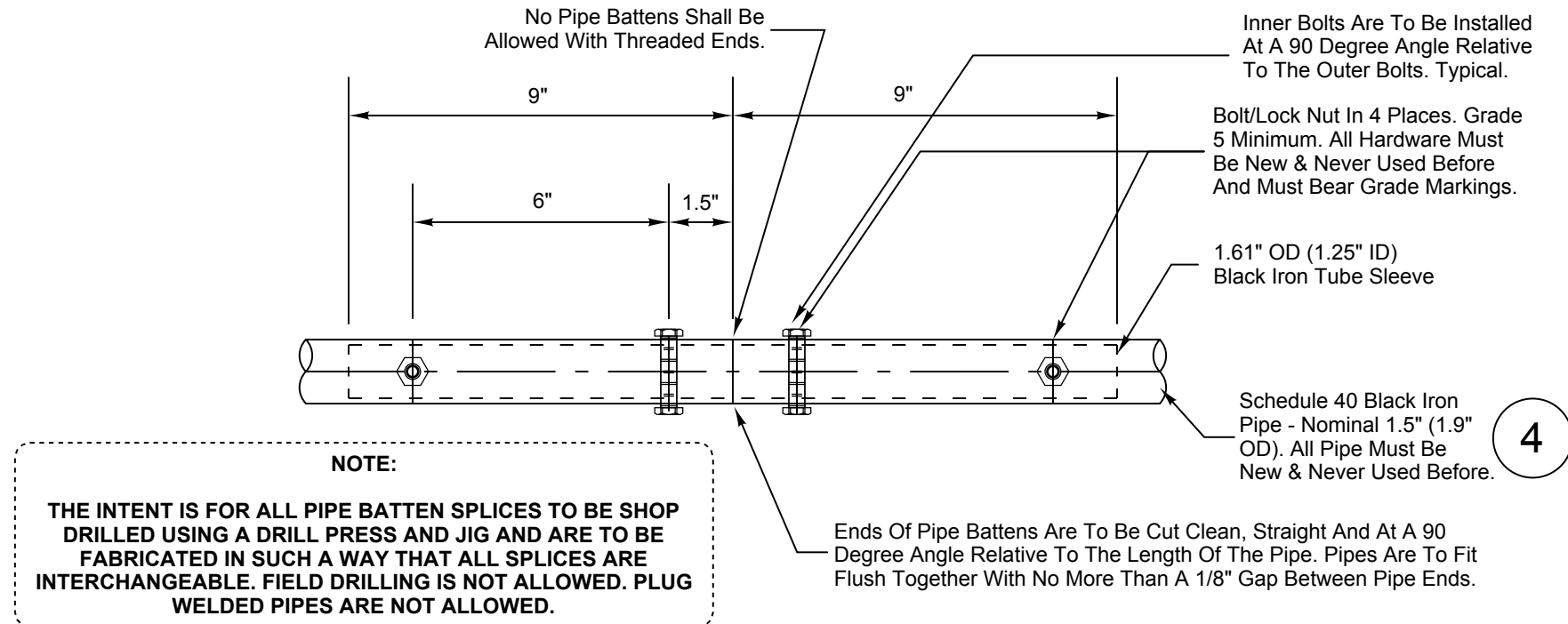
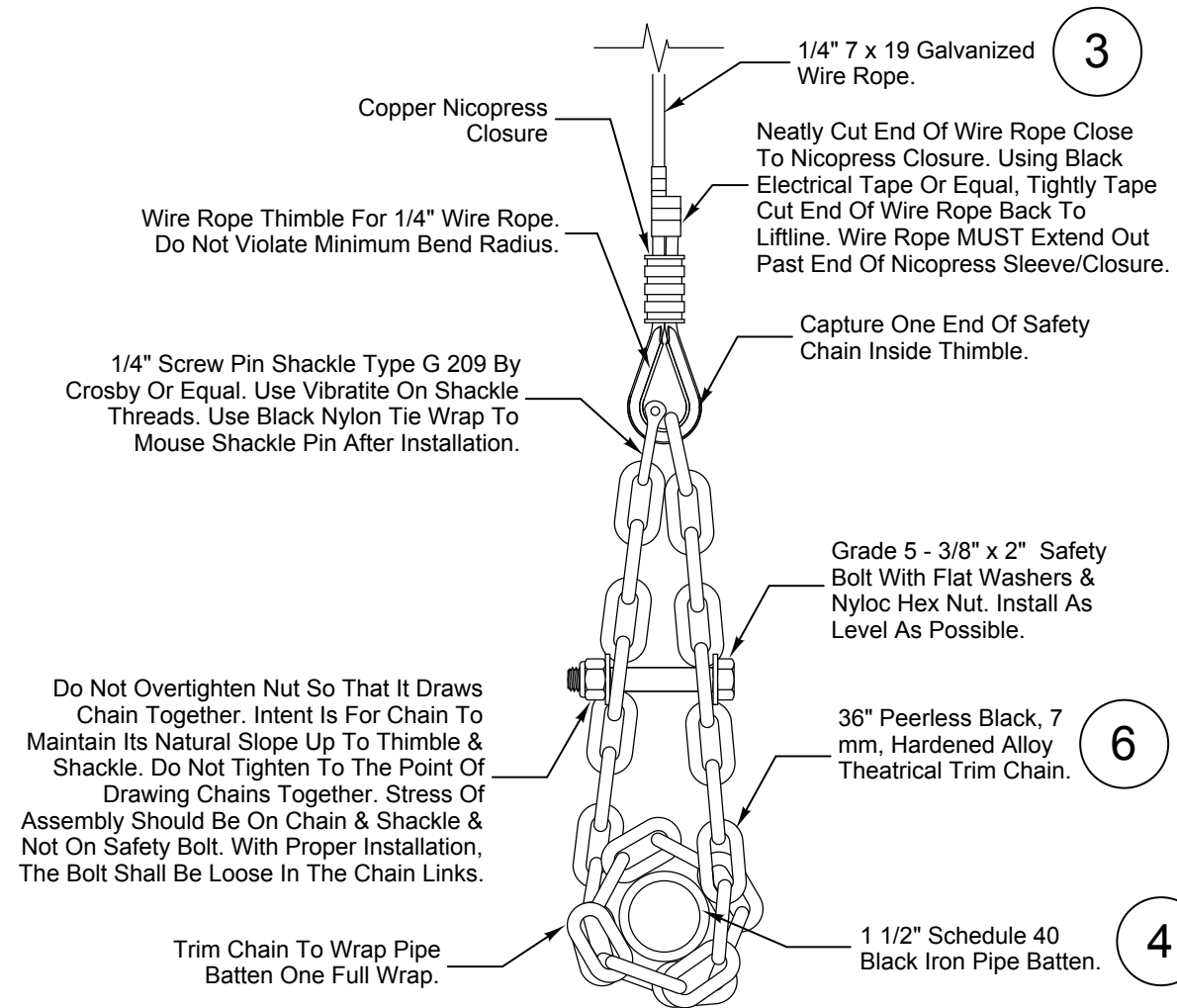
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TD 101

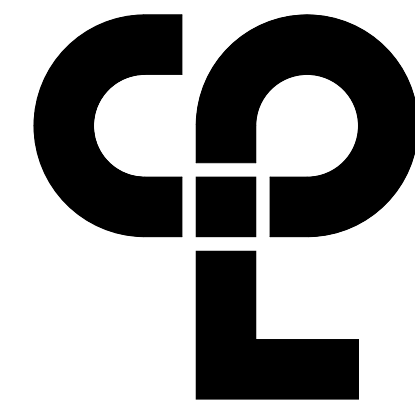
[R401]

## RESULTS





REFER TO DRAWINGS HMS TL601 FOR ALL LIGHTING RELATED REMOVAL NOTES, DRAWING NOTES, BUBBLE NOTES, KEYS, SCHEDULES, TABLES, ELECTRICAL RELATED NOTES AND OTHER INFORMATION THAT PERTAIN TO THE TL SERIES DRAWINGS.



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#### PROJECT INFORMATION

Project Number  
13940.18

Client Name

NEWBURGH ENLARGED CITY  
SCHOOL DISTRICT

Project Name

PHASE 3: HERITAGE MIDDLE  
SCHOOL 2019 CAPITAL  
IMPROVEMENT PROJECT

Project Address

405 Union Avenue, New Windsor, NY 12553

SED Number

44-16-00-01-0-039-011

#### PROJECT ISSUE SCHEDULE

No. Date Description

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#### SHEET INFORMATION

Issued

9/9/2021

Scale

As indicated

Project Status

CONSTRUCTION DOCUMENTS

Drawn By

SPJ

Checked By

SPJ

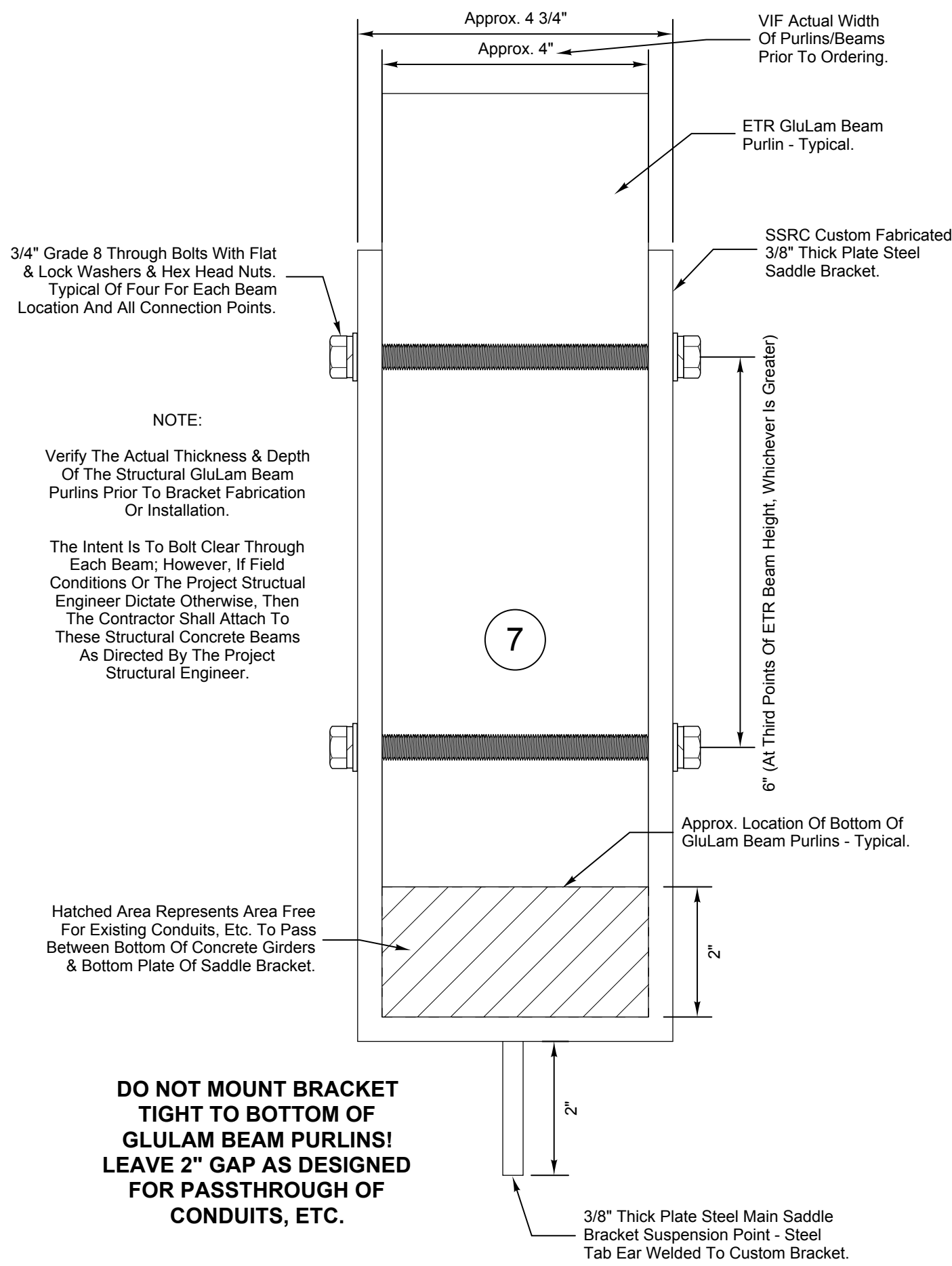
Drawing Title

THEATRICAL RIGGING SYSTEM  
DETAILS -  
GROUND FLOOR AREA A

Drawing Number

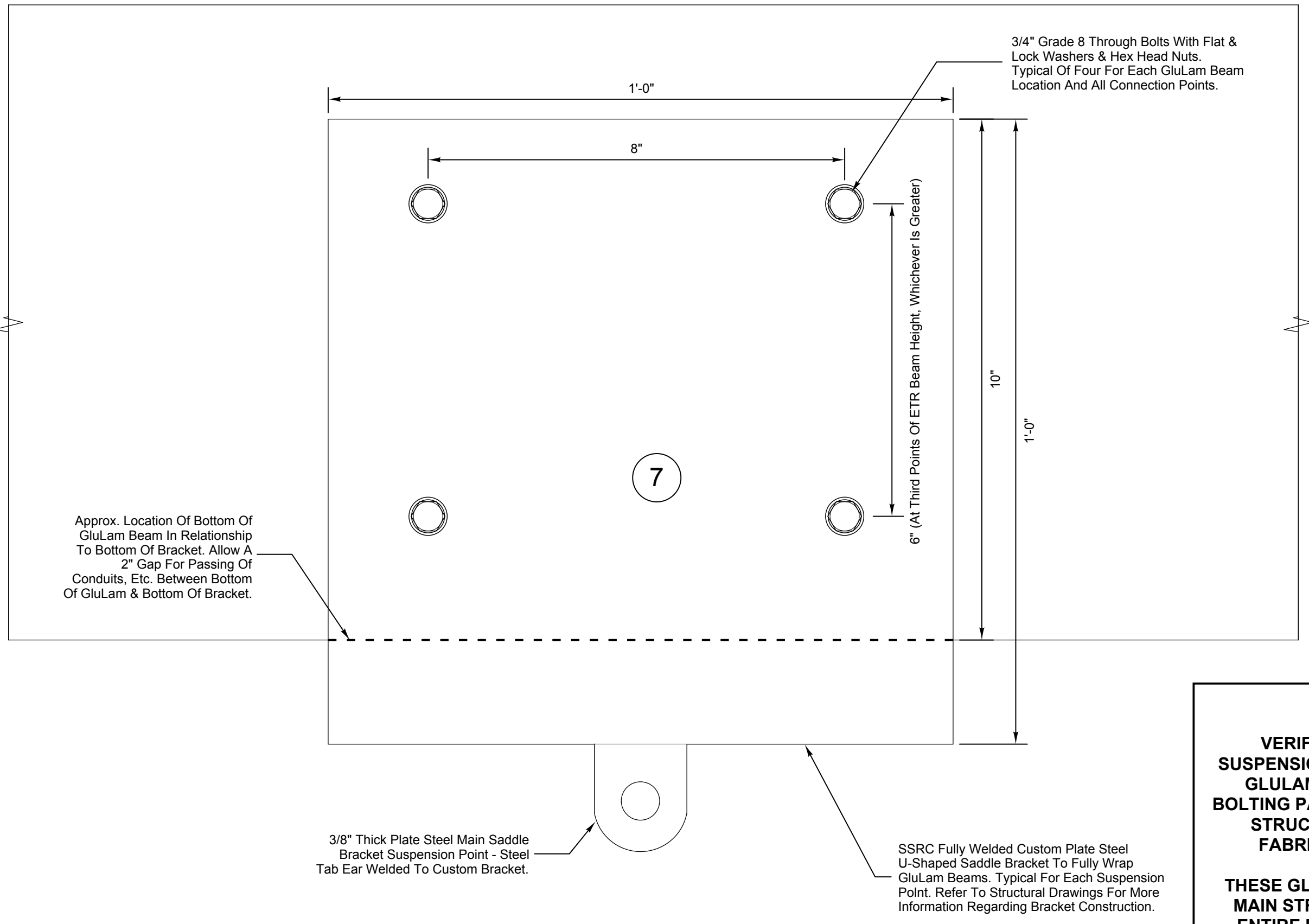
HMS  
TR501





END VIEW

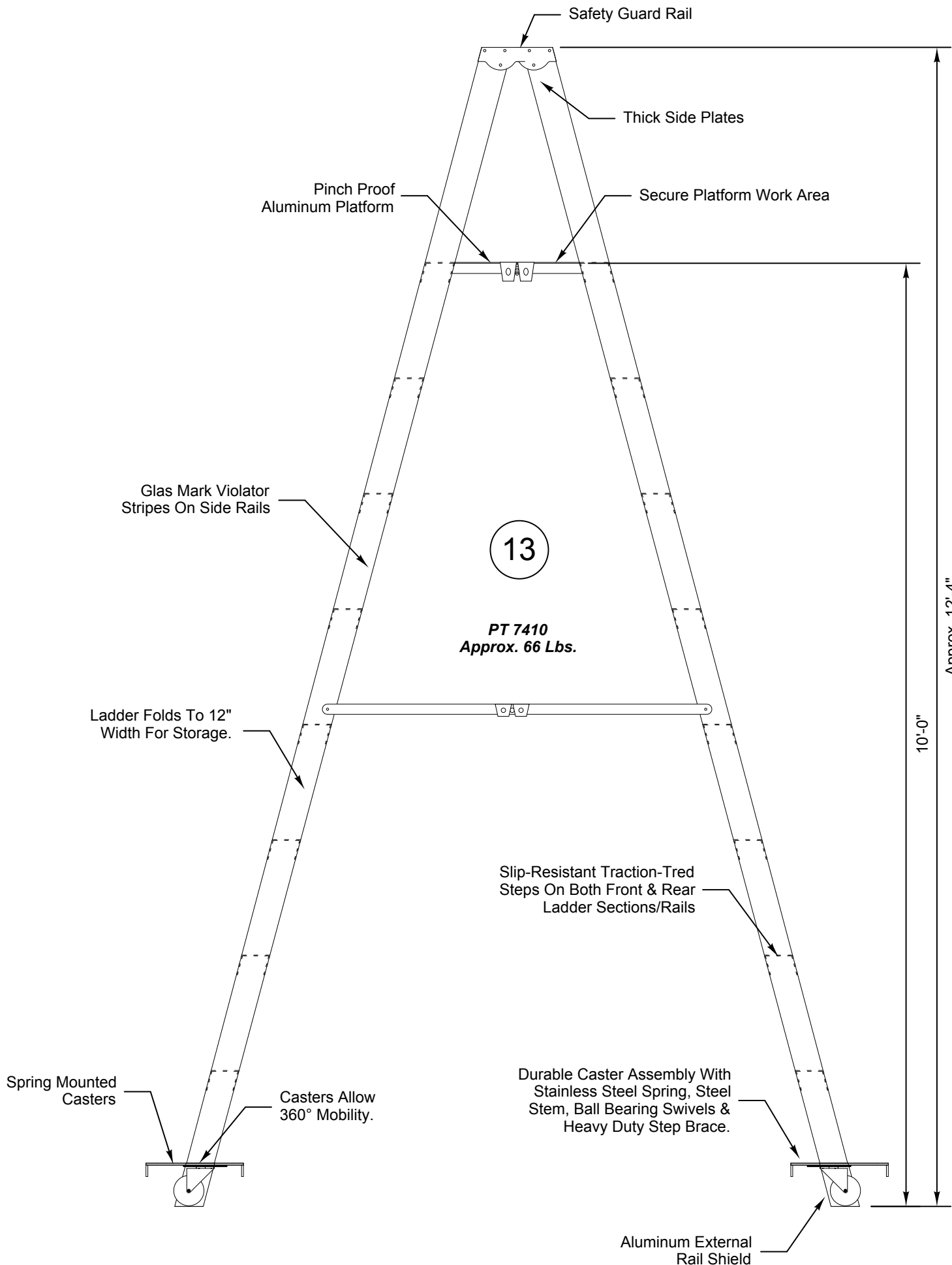
**NOTE:**  
**ALL HARDWARE SHALL BE GRADE 8 OR HIGHER.**  
**ALL NICOPRESS CLOSURES TO HAVE COPPER SLEEVES.**  
**ALL THREADS MUST BE TREATED WITH VIBRATITE AND USED IN SUCH A WAY AS TO BE VISIBLE UPON INSPECTION.**  
**ALL WIRE ROPE SHALL BE 1/4\"**



SIDE VIEW

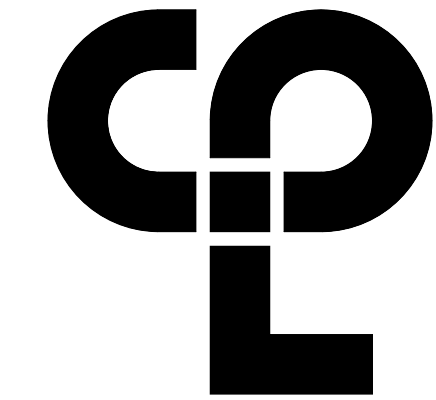
**NOTE:**  
**VERIFY IN WRITING ALL CUSTOM SUSPENSION SADDLE BRACKET DESIGNS, GLULAM BEAM PURLINS DRILLING & BOLTING PARAMETERS WITH THE PROJECT STRUCTURAL ENGINEER PRIOR TO FABRICATION OR INSTALLATION.**  
**THESE GLULAM BEAM PURLINS ARE THE MAIN STRUCTURAL SUPPORT FOR THE ENTIRE ROOF/BUILDING, SO EXTREME CARE & CAUTION SHALL BE TAKEN IN ORDER TO ENSURE THAT NO STRUCTURAL DAMAGE IS DONE WHEN DRILLING OR ATTACHING BRACKETS AND INTENDED RIGGING SYSTEM LOADS TO THEM.**

**1 CUSTOM SUSPENSION SADDLE BRACKET DETAILS**  
Scale: 6" = 1"



**2 ACCESS LADDER DETAILS**  
Scale: 3/4\"

Provide:  
Werner Ladder PT7400 Series Fiberglass Stock's Platform Step Ladders:  
(2) Werner Ladder PT7410 Stepladders  
All Ladders Shall Be Type IA Duty Rating, 300 Lb. Load Capacity Per Side (Full Use Rungs On Both Sides Of Ladder).  
Store Each Ladder As Per Owner's Instructions. Provide Supplementary Hooks On Adjacent Storage Room/Space Walls For Ladder Storage As Required.  
Ladders Designed For One Or Two Person Simultaneous Use.  
All Arrow Notes Below Are Understood To Refer To All Ladders.  
NEVER EXCEED THE DUTY RATING OF ANY LADDER, INCLUDING TOOLS, PERSONNEL AND EQUIPMENT.



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PROJECT INFORMATION		
Project Number	13940.18	
Client Name	NEWBURGH ENLARGED CITY SCHOOL DISTRICT	
Project Name	PHASE 3: HERITAGE MIDDLE SCHOOL 2019 CAPITAL IMPROVEMENT PROJECT	
Project Address	405 Union Avenue, New Windsor, NY 12553	
SED Number	44-16-00-01-0-039-011	
PROJECT ISSUE SCHEDULE		
No.	Date	Description

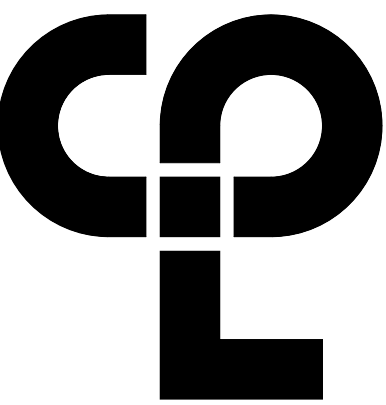
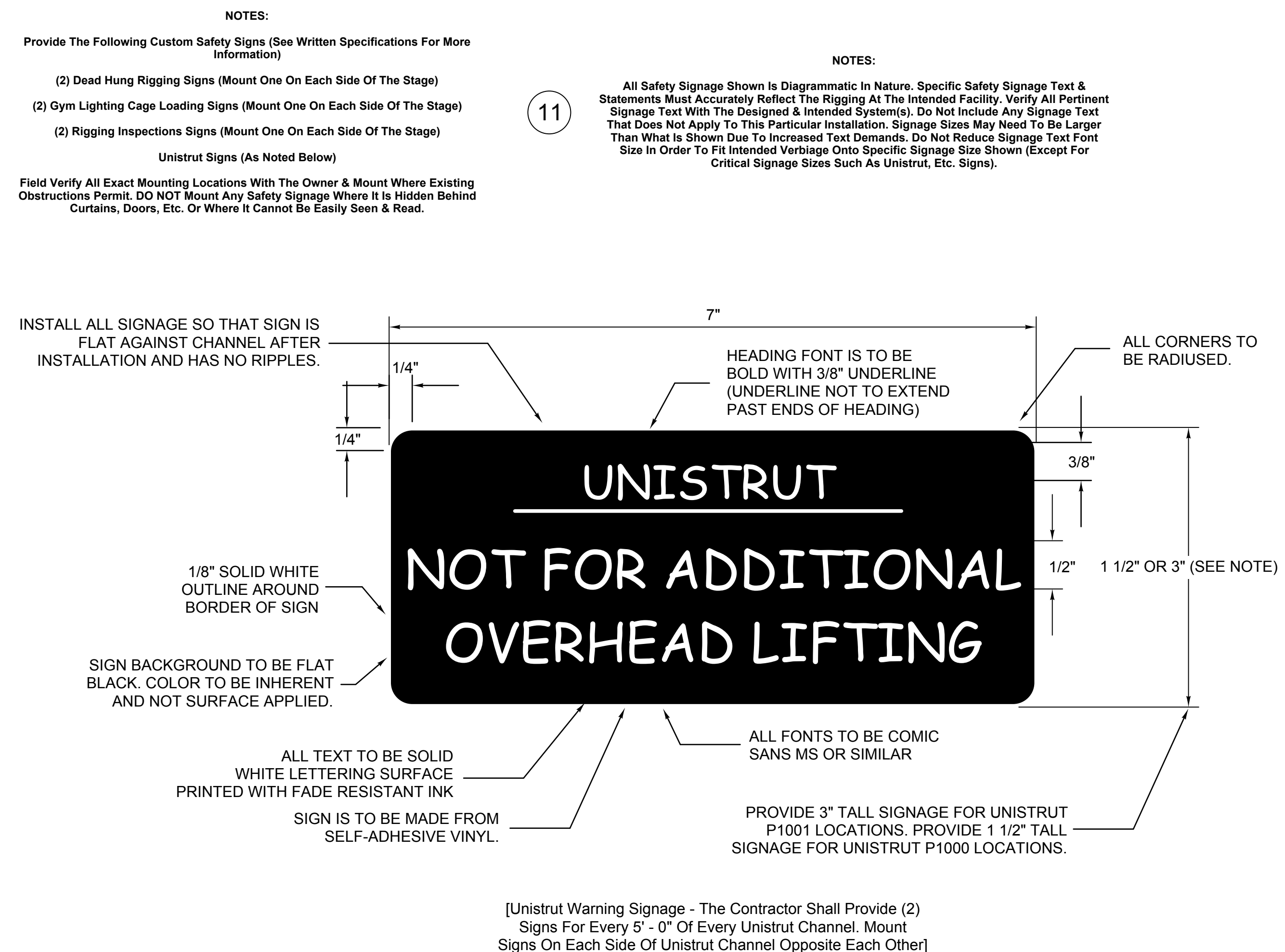
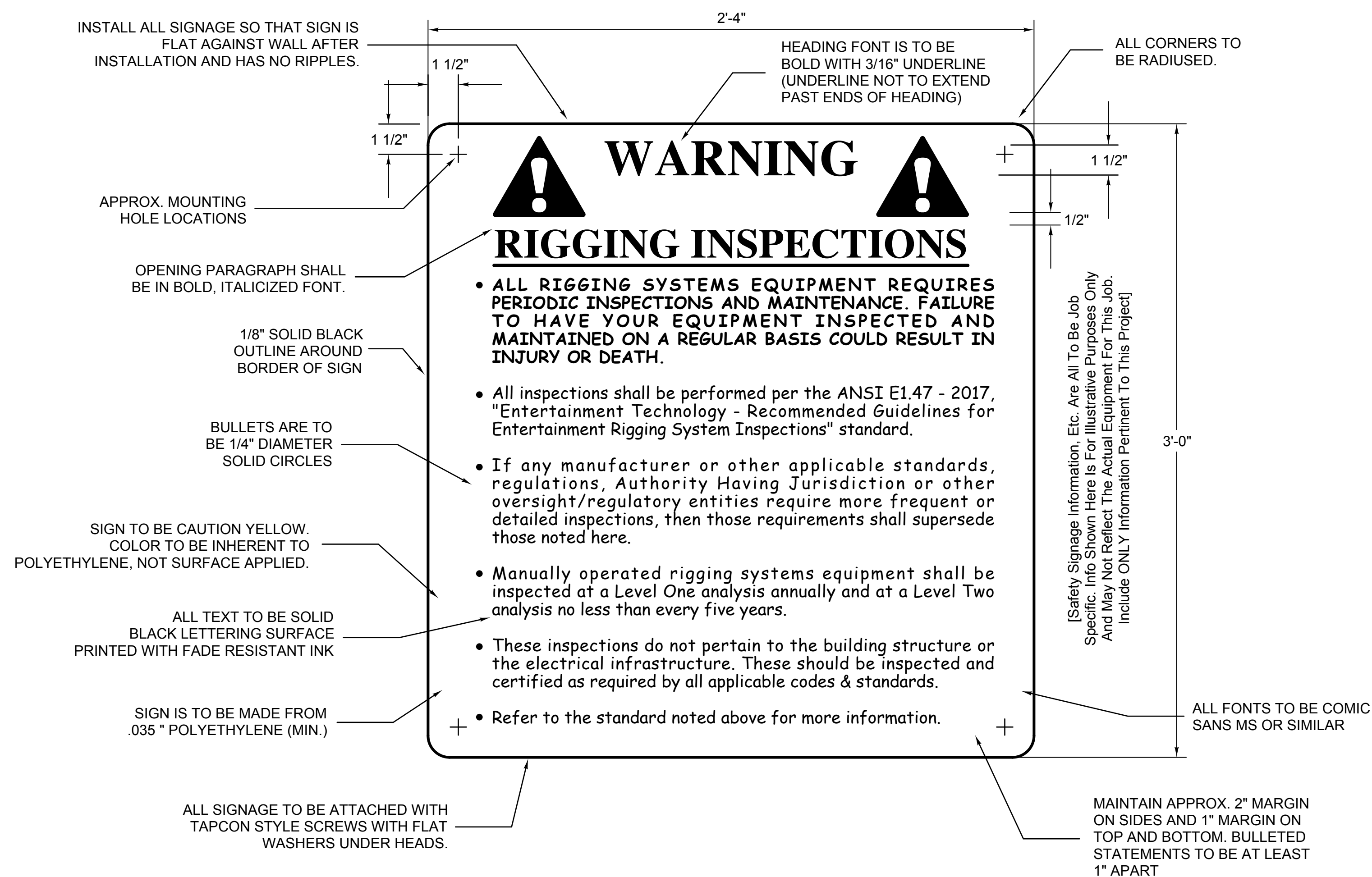
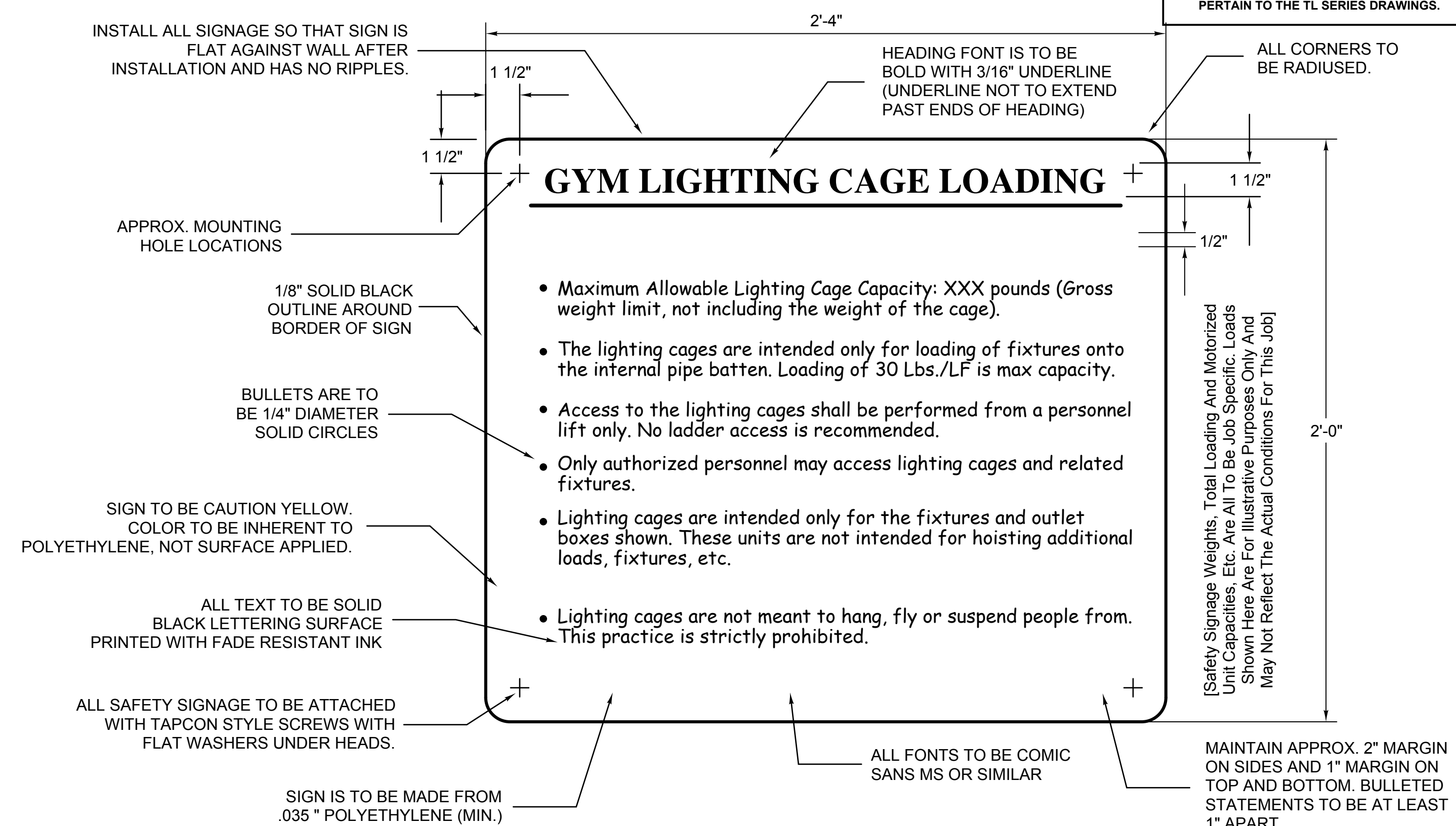
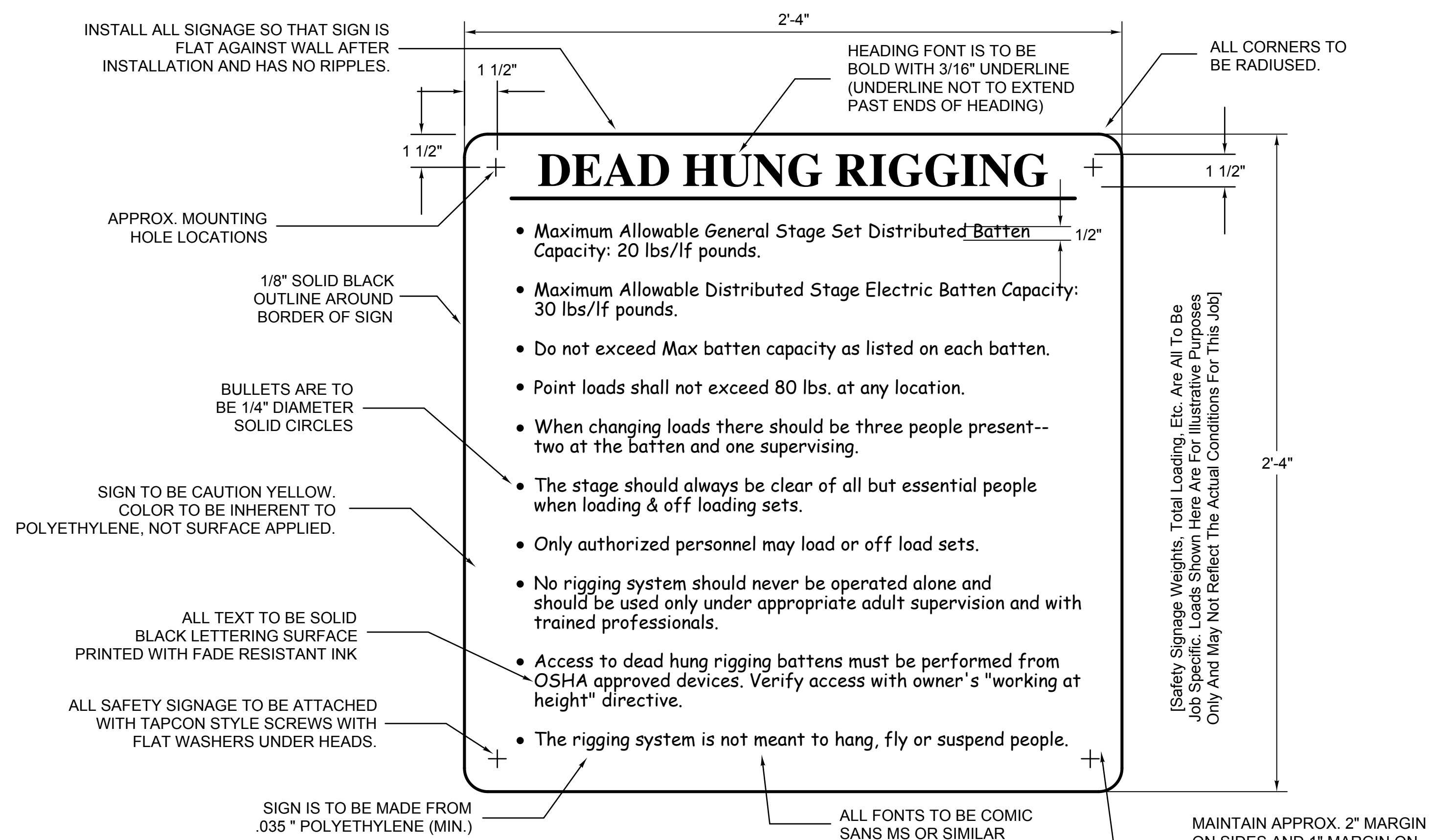
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SHEET INFORMATION	
Issued	Scale
9/9/2021	As indicated
Project Status	CONSTRUCTION DOCUMENTS
Drawn By	Checked By
SPJ	SPJ
Drawing Title	THEATRICAL RIGGING SYSTEM DETAILS - GROUND FLOOR AREA A

Drawing Number

HMS  
TR502





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NEWBURGH, NY 12550  
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## PROJECT INFORMATION

Project Number  
13940.18

Client Name

NEWBURGH ENLARGED CITY  
SCHOOL DISTRICT

Project Name

**PHASE 3: HERITAGE MIDDLE  
SCHOOL 2019 CAPITAL  
IMPROVEMENT PROJECT**

Project Address  
405 Union Avenue, New Windsor, NY 12553

SED Number  
44-16-00-01-0-039-011

### PROJECT ISSUE SCHEDULE

No.	Date	Description
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### SHEET INFORMATION

Issued	Scale
9/9/2021	As indicated

## CONSTRUCTION DOCUMENTS

Drawn By  
CBI

Checked By  
CBI

SPJ SPJ

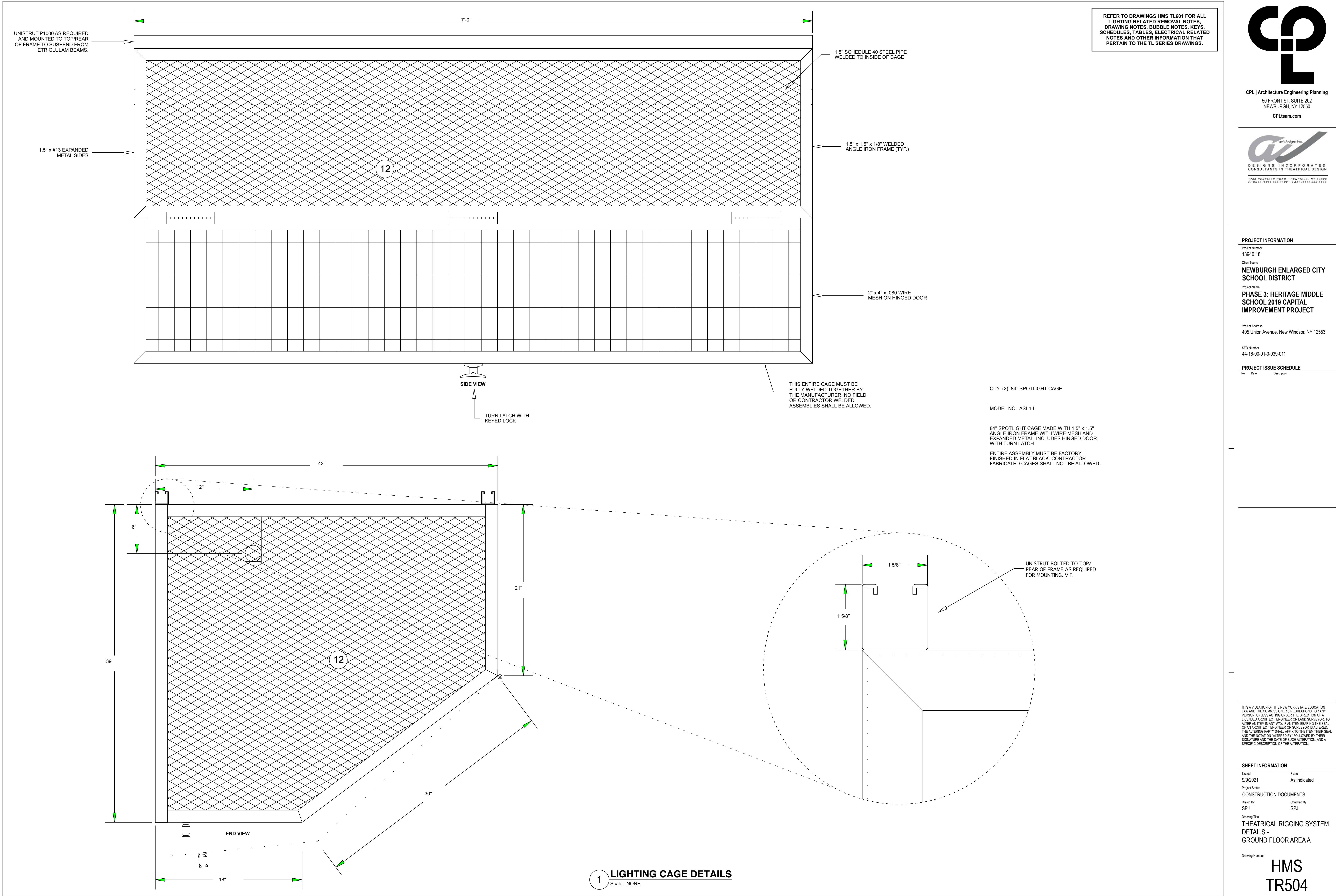
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THEATRICAL RIGGING SYSTEM  
DETAILS -  
GROUND FLOOR AREA A

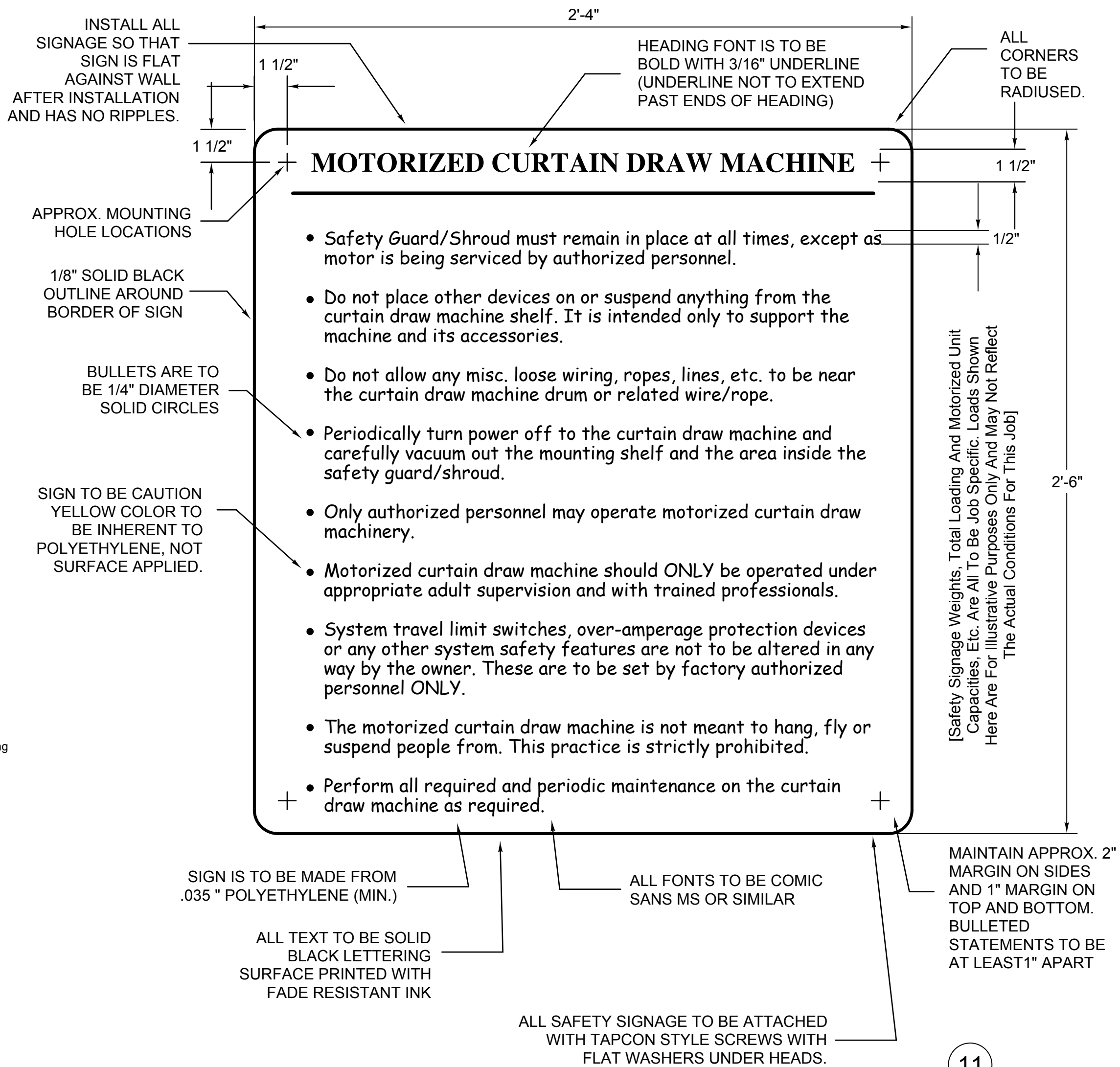
Drawing Number

HMS  
TR503









## SCALE: NONE

Scale: 3" = 1'

HMS  
TR505



STAGE RIGGING CURTAIN SCHEDULE:

Curtain Name	Width	Height	Notes	Fullness	Material Type
Main Valance	As Indicated	As Indicated	Custom Triangle Shape	75%	KM Fabrics 20 oz IFR Crescent With No Lining
Main Traveler	As Indicated	As Indicated	Bi-Parting: Total Width - Does Not Include Required Overlap	75%	KM Fabrics 20 oz IFR Crescent With No Lining
All Legs	As Indicated	As Indicated		50%	KM Fabrics 20 oz IFR Crescent With No Lining
All Other Border Curtains	As Indicated	As Indicated		50%	KM Fabrics 20 oz IFR Crescent With No Lining
All Other Travelers	As Indicated	As Indicated	Bi-Parting: Total Width - Does Not Include Required Overlap	50%	KM Fabrics 20 oz IFR Crescent With No Lining

**NOTE:** Refer To Rigging Specifications For More Information Regarding Specific Curtain Types, Colors, Fabrication & Other Requirements.

**General:**

*Provide All Required Blocking, Etc. To Mount Custom Triangle Shaped Main Valance Curtain To The Rear Side Of The Glu-Lam Beam. There Shall Be No Gaps Between Top Of Curtain & Glu-Lam Beam(s). Entire Top Of Curtain Must Be Clean & Finished. Paint All Attachment Wood, Blocking, Metal & Attachment Hardware Black.*

*Provide ADC Track Machine As Indicated & Required For Main Traveler Draw. Provide All Misc. Mounting Hardware, Etc. Required For Proper Positioning Of Machine.*

*"As Existing" Intents Are That All New Curtains Be Similar In Size To Existing, Unless There Are Physical Constraints With The New System Which Preclude This Intended Sizing. Any Existing Curtain Heights & Widths Shown Are Approximate Only And May Not Accurately Or Exactly Reflected The Actual Finished Size Of Existing Stage Curtains. Field Measure, Verify, Document & Provide New Curtains & Tracks In Similar Sizes To Existing (Including Required Overlaps, Etc. Noted On Drawings).*

*IFR Indicates That Curtain Material Is Inherently & Permanently Flame Retardant & Never Needs Flame Treatment For The Life Of The Fabric. Flame Retardant Will Not Wash Out Unless Treated With Additional Flame Retardant Chemicals.*

*Oz Weights Given Are Per Yard And Are Approximate. See Manufacturer's Specs For Exact Weight Per Yard.*

*Install All Bottom Chains in all curtains.*

**Miscellaneous:**

*All Installed Curtains Must Be Hung Long Enough For All Wrinkles, Folds & Creases From Storage & Shipment To Have Been Removed (Use Bottom Pipe Weight, Stretchers, Etc. To Assist As Needed). Final Curtain Presentation, Upon Acceptance Testing & Room Turnover To The Owner, Shall Be Smooth, Flat Curtains. No Curtains Displaying Wrinkles, Folds & Creases Or Other Such Anomalies Shall Be Allowed Or Accepted.*

*Regardless Of The Overall Width Of Bi-Parting Style Curtains Shown On The Drawings, Provide Each Panel In A Bi-Parting Curtain In A Width That Is 1/2 Of Total Width Shown Plus 12" (Additional Width, When Coupled With Other Panel Shall Result In 24" Bypass At Center Stage). No Bi-Parting Curtains Shall Be Allowed That Do Not Display This Overlap. Overlap Cannot Be Obtained By Tracking Curtains In From Track Ends, Overly Stretching Curtains, Deducting From Indicated Fullness Or Other Alternate Means.*

*All Curtains & Related Tracks Shall Be Mounted So That They Are Centered With The Proscenium Opening, Unless Specific, Detailed Instructions Are Shown Requiring Alternate Mountings Relative To The Proscenium Opening. This Does Not Apply To Leg Curtain Track Ends. These Should Be Mounted So That Track Is Flush With The End Of The Related Batten.*

*The Bottom Edge Of All Installed Curtains Must Be Level & Flat Relative To The Stage Floor. No Curtains Shall Be Allowed That Feature A Hump, Angle, Wave Or Other Non-Parallel & Non-Level Installations.*

*All New Curtains Shall Be IFR Unless They Are Specifically Called Out On These Drawings Or In The Written Specifications As Being Other (This Would Include Select Specialty Curtains That Cannot Be Obtained In An IFR "Version" Such As Some Muslin Cycloramas, Painter's Drops, Etc.)*

**WARNING! - Notify The Owner In Writing And During Trainings (To The Highest Level Possible) That Any Future Chemical Treatments Of IFR Curtains (Such As The Application Of Impregnated Fire Retardant Or Equal) Will Negate Those Very IFR Properties In The Fabric, Thus Potentially Rendering Them Able To Burn And In Violation Of NFPA Standards. Notify The Owner That, If Such Chemical Treatments Are Applied To IFR Curtains The Manufacturer Cannot Stand Behind The Material.**

**THEATRICAL RIGGING SYSTEM KEYED REMOVAL NOTES:**

Perform work as described below and on other TR series drawings. All work shall conform to the standards of spec section 19 3000 and the general, demolition and structural contract sections:

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

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

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

All devices, curtains, lines, clamps, rigging hardware, blocks, etc. being removed and slated for legal disposal shall first be offered to the owner for their right of first refusal. If the owner does not wish to retain certain items, then obtain written verification of the owner's intent prior to legally disposing of such noted items.

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

It is understood that, when visual depictions of rigging elements are shown on the removals drawings, it is a diagrammatic representation of the items to be removed. Not every single instance of related devices to be removed has or can be shown. The contractor is responsible to remove all similar devices and classes of devices as those that are indicated.

Remove all existing stage chairs, tables, misc. items, etc. and relocate to owner indicated areas prior to rigging system removals.

Remove all existing FOH pipe supports, misc. angle brackets and all related hardware mounted to the glulam beams over the house audience area and legally dispose of these items.

Remove all existing stage rigging system components including, but not limited to, the following items: misc. ceiling supports, misc. angle iron supports/clips, lift lines, Kindorf style strut channel, pipe battens, eye bolts, S-hooks, suspension rods, turnbuckles, trim chains, misc. clamps, misc. wire rope, tie-offs, misc. hangers, misc. channel and all related and misc. hardware and legally dispose of these items.

Do not disturb or remove any other non-related structural components that is not directly related to the suspension of the existing stage rigging system. This includes any wooden or glulam beams, etc. that supported the old auditorium stage ceiling.

At all locations where devices have been removed from existing glulam beams, through-bolts, etc. related to the FOH lighting fixtures' support/suspension points, infill/pug the holes left in glulam beams related to the removal of these items with hardwood dowels or wooden plugs epoxied in place with non-expanding epoxy. After epoxy has dried, cut and sand flush, stain plugs to match surrounding wood and finish with similar finish as existing. Do not damage glulam beams or any existing finishes in doing this work.

At all locations where devices have been removed from walls, beams, floors or stage walls, etc. patch to match existing for all affected surfaces. See written specifications and contract documents for a more detailed description of patching requirements.

Refer to other TL series drawings for more information on any items noted above as being reinstalled in the new system.

**GENERAL NOTES:**

Do not scale plans.

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

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

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

This drawing represents the configuration of a system. It does not in any way constitute instructions for installation except with regards to configuration. The sole responsibility for field verification of dimensions, installation/fabrication methods, code compliance, safety issues, and the quality and performance of their work shall be that of the installing contractor.

This drawing is to be interpreted in conjunction with other drawings in the construction set as well as written specifications for this project. The contents of the drawing do not in any way negate the written specifications, nor do the written specifications in any way negate the contents of the drawings.

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

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

**THEATRICAL RIGGING SYSTEM KEYED NOTES:**

Each note and detail indicator indicates a typical location for the type of work to be performed or equipment to be provided. The referenced contractor shall provide for all instances of typical work indicated. All drawing notes may not appear or be referenced on each drawing; however, all notes still apply to the work indicated within each note and all similar instances of typical work shall be performed by the referenced contractor(s). All work shall conform to all applicable codes, construction schedules and standards as well as this project's architectural & structural standards.

**PROFESSIONAL STANDARDS:**

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

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

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

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

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

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

The contractor is expected to possess knowledge of the equipment of his industry and provide all required small items required to install the specified equipment. Provide all small items such as misc. JIB's, connectors, power supplies, crimps, nicopress and other items that may not be specifically called out on the drawings or in the specs but are required to support primary equipment.

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

All painting shall be performed in a professional manner. This includes utilizing proper priming and finish coating techniques as required and the proper masking of adjacent areas.

Paint shall be spray applied where possible before suspension and shall be multi-coat and neat. no drips, runs, mottled finishes, etc. shall be allowed.

**GENERAL:**

All dead hanging rigging systems equipment to be Unistrut, Peerless or equal. All system miscellaneous hardware such as shackles, bolts and other hardware to be of domestic manufacture and stamped with the working load limit. The working load limit shall incorporate a safety factor of at least 10:1. See written specifications and detail drawings for additional rigging standards and requirements. Minimum size of misc. hardware to be 1/4" (this includes wire rope assemblies). Provide larger sizes as required in order to maintain indicated load ratings and safety margins.

All rigging system equipment and all misc. hardware shall be brand new (never been used before) and specifically configured for use on this project.

All rigging system equipment and all misc. hardware indicated on these drawings shall be mounted to the beams and overhead supports as is visually depicted; however, there is no information at this time regarding the exact support structure above the existing stage ceiling, as it is currently buried beneath plaster and is inaccessible. The intent is for all suspension assemblies, etc. to be mounted to overhead beams similar to those visually and verbally depicted on these drawings and in keeping with all applicable ANSI standards. The contractor shall be responsible to adapt the suspension methods shown here in order to attach to the existing beams after the existing stage ceiling is removed. This information shall be required to be completed by the contractor prior to the issuance of submittal drawings for approval. Attachment points are indicated through visual representations on these drawings and the building's structural beams are the intended recipients of these rigging system suspension hardware assemblies (unless alternate attachment methods have been designed and clearly indicated on the contract documents). The contractor shall not be allowed to field select other rigging attachment points, misc. spanning steel, alternate attachment methods, etc. not depicted on the contract documents, or currently in use, and/or suspension hardware, rigging system equipment, unless prior written authorization has been specifically granted, verified by the project structural engineer and clearly communicated to all design team members and related construction trades.

All suspension hardware, lifts/lifts, supports lines, etc. shall be installed plumb (understood to be perpendicular in the vertical plane relative to earth level) from their overhead attachment points to their batten (or other) terminations points, unless they are brides or are otherwise specifically shown on the contract documents as being installed at angles.

All misc. hardware used on this project shall feature load rating markings (if applicable). All hardware shall be Grade 5 minimum (higher if specifically called out).

Provide pivot brackets or other pivoting hardware for all sets where attachment to steel/beams are sloped.

**LOADING INFORMATION:**

All loading information shown below is approx. All lbs/LF loading is understood to be evenly distributed along the entire length of the related batten.

This rigging system is a dead-hung system only. System shall be rated for the pounds per linear foot of pipe as each set piece imposes and no more. The maximum capacity item shall never be allowed to be exceeded. No additional capacity has been designed in for the suspension of any other items, heavier drapes, additional lighting fixtures, etc. that are not noted on these drawings.

Stage electric pipes shall be rated for an approx. 15 lbs/LF live load plus the self-weight of the related suspension, batten and hardware.

FOH position strut/battens shall each be rated for a 15 lbs/LF live load and point loads not to exceed 50 lbs.

Stage curtain tracks and pipes shall only be rated for the weight of the curtains and related components.

All wire rope shall be of a tested load rated variety, either domestic or imported. Load test information must be provided for all wire rope utilized in this system.

At any locations where nicopress oval sleeves have been provided and crimped but are in inaccessible locations where field inspections are not possible from the floor, platform or other area, the contractor shall provide written authentication and digital photos of these properly crimped swages (to the manufacturer's recommended tolerances in order to realize full load capacity) and shall provide copies of these verifications to the consultant, architect and owner.

**RIGGING SYSTEM EQUIPMENT:**

Provide Unistrut support members complete with Unistrut channel assemblies, wall flanges, welded verticals, threaded rod drops, flat plate fittings & forged shoulder eye bolts & bracing, misc. beam clamps and all necessary and miscellaneous hardware as indicated and/or needed in order to provide appropriate pickup points for all rigging equipment where beams do not exist and to wrap ETR beams to provide new pickup point locations. Mount at elevation(s) as indicated on TR series drawings. Entire Unistrut assemblies and all suspension hardware are to be painted by the contractor only as indicated or as directed by architect/owner and to match adjacent or mounted to surfaces. Miscellaneous metal and Unistrut assemblies must be rigidly attached to existing overhead structural steel and be rated for a 10:1 safety factor for the loads imposed.

Furnish SSRC COP Series style cable clamp(s) & Kellums grip style cable supports on battens for cable pickup of all electric & control cable, DMX wiring and mic cable drops and turn over to the EC for installation. Depending upon distance between end of connector strip and end of related batten, the contractor may need to provide additional SSRC style cable clamps in order to properly support and protect the SO cable. Cable clamps shall be installed to the lower pipe batten and Kellums grips to upper batten. This will allow SO cable to dress more naturally and not tend to swing the electric batten. There should be (1) SSRC style cable clamp for every 4' of SO cable as measured from the terminations end of the connector strip or projection screen case to the end of the related pipe batten. Do not over-tighten cable clamp(s) to the point of damaging or denting the SO cable. Install as per manufacturer's instructions. The sound contractor will be providing microphone drop and hanging mic boxes on some sets. Coordinate locations, requirements & installation with related trades and devices. Provide SSRC cable clamps to match quantity and size of SO cables (COP1, COP2 or COP3 - see details for more clamp info.) No SO cables shall be allowed to rub against clamp bolts or bolt ends. Provide plastic or rubberized bolt end caps as needed to prevent cable damage.

Provide 1/4" 7x19 black galvanized lift lines. All closures shall be copper nicopress. Thimbles shall be used at all terminations. All nicopress oval sleeves shall be crimped with the proper dies properly inserted into an appropriate and properly calibrated swaging tool and shall be crimped to the manufacturer's recommended tolerances in order to realize full load capacity.

Provide 1.5" (1.9" OD) Schedule 40 black iron pipe battens (painted flat black with industry standard 18" batten splices & grade 5 minimum hardware (no threaded ends or couplers allowed). Batten splices shall be precisely drilled so that any batten on any set could be interchanged with that of any other set. Adjust battens on trim chains to hang true, level and plumb to upstage-downstage orientation and the stage floor. Provide safety yellow vinyl plastic ends caps on both ends of all battens (except FOH shall have black caps).

Provide H&H Specialties model #680 full batten clamp assembly for all indicated batten suspension locations with Grade 5 hex head bolts, lock washers and a load rated shackle. Tighten batten clamp tight enough to prevent it from "walking" along pipe batten or sliding under load.

Provide Peerless Industrial Group black, 7mm, Grade 63 hardened alloy trim chains with nicopress closures on lift lines (nicopress through one end of chain & shackle). Provide for trim chain wraps, after final adjustments, with hex head Grade 5 safety bolt, flat washers & hex head nylon nut. See details for more info and exact intended design. Contractor painted chain shall not be allowed.

Provide SSRC custom fabricated U-style saddle brackets to fit existing glulam purlins for the suspension of the main Unistrut channel support system. Provide all related bolts for through-bolting, nuts, washers, etc. as indicated on the detail drawings.

**THEATRICAL RIGGING SYSTEM KEYED NOTES - CONTINUED:**

**CURTAIN TRACKS:**

Main Traveler Curtain: Provide ADC Besteel 170 tracks (both straight & curved sections as needed) with crossover at the center as needed and so that the traveler curtain may track against the side stage walls. Provide carrier on 6" centers on these tracks. Provide supplemental bracing and wall mounting brackets as needed to mount tracks as intended. Tracks to be suspended per manufacturer's recommendations. Provide factory bent 2' radius sections.

Rear Traveler Curtain: Provide ADC Silent Steel 280 series curtain tracks on all traveler sets. Provide all bi-parting curtain tracks with a 24" bypass at center stage with dual track hangers at that location. Provide all required carriers, live end and dead end pulleys, operating lines, and hardware. Provide flat black, removable floor tension pulleys for the curtain track operating lines. Install keyed plates in the floor as required (routed into flooring with top of plate flush with finished floor). Verify with the owner their preference on exact locations of the tension floor pulleys (on which side of the stage they should be located) and located these devices there - even if these locations differ from those shown on these drawings. Get final locations approval in writing. Non keyed plates shall not be allowed.

General Track Info: Provide all curtain tracks as black powder coated steel tracks along with all black parts, pulleys, mounting hardware, etc. Provide all required carriers and jack chains in a black finish. No portions of the curtain tracks and related hardware shall be allowed to feature shiny or metal colored/gray finishes.

**CURTAINS:**

Provide curtains, straps and accessories as indicated on drawings, in specs and on schedules.

Provide the main valance curtain in a modified triangular shape that matches the roofciling slope. Provide wood blocking on the rear side of the main glulam beam over the stage lip and staple the curtain to this blocking. Bottom of curtain shall be level with the stage/house gym floors. Fasten all blocking securely and paint all blocking out flat black prior to installation.

Provide all required signage as indicated. Signage shall include custom signage that states the maximum load of all sets/signage, standard safety operation signage, standard safety signage, etc. All signage shall be mounted to the walls as indicated and at easily readable heights AFF and in areas designated on the detail drawings (do not mount signage where it will be obscured or hidden behind permanent obstructions - curtains, doors, racks, J-guide system, etc.). Custom signage must be provided for all major areas such as counterweight rigging, motorized rigging, stationary rigging, inspections, etc. (see drawing details for exact types/styles and quantities to provide), shall include verbiage as indicated and shall require the contractor to coordinate with the project structural engineer for verification of loading info, etc. Standard safety signage shall be similar to that provided by most rigging equipment manufacturers (hand winch operation, manual counterweight system operation, motorized winch operation, dead hung rigging systems, etc.) Submit all intended signage sizes, text, loading, sign attachment methods, etc. to consultant for approval prior to fabrication. Signage to be permanently attached to the wall on all four corners with screws, bolts or other similar means (Tapcon or similar). Neither adhesive backed tape nor pressure sensitive backings are acceptable as the sole means of mounting the signage. Foam core signage is not acceptable.

Provide SSRC ASLX-L Spotlight Cages for gymnasium core position(s) - see other drawing notes for exact required size. Provide with Unistrut mounting system as indicated. Cages shall be welded angle iron frames with 1/2" expanded metal sides and a hinged mesh door. Included shall be a standard, black, 1 1/2" schedule 40 black iron pipe for fixture hanging. Paint all misc. attachment hardware flat black. Provide cages factory finished in flat black. Install so that no portion of cages extend below 20' - 17' AFF (or as indicated on the section/elevation views). Provide all misc. and related hardware needed in order to mount as indicated. Provide cage model and in quantity shown with any custom modifications needed for mounting as needed. Field verify parameters, glulam spacing/height, free space without obstructions & building construction prior to ordering and installing.

Provide Werner fiberglass stocker's platform step ladders as indicated and for the owner's use for accessing the stage sets. Mark all ladders with block lettering for the owner's facility in two locations (identifying marks/nomenclature TBD by owner). Mark all ladders per the owner's instructions (preferably near the stage). Provide wall hooks for ladder storage and install in locations as determined by owner.

**REQUIRED COORDINATION:**

The contractor is responsible for the dressing of all cables as they relate to the stage rigging system and its related components. Coordinate the final dress of all cables with all related trades and the natural twist of the furnished and installed cable(s) to ensure that each cable dresses neatly and properly. All sets with swagged cable shall be dressed so that no part of the cable extends below the stage floor or into the audience area. All cables shall be dressed in a similar manner to the Cables must swag from grid iron or other related junction boxes down to battens in a similar manner to that which has been graphically depicted on the drawings. The intent is for the cable (when set is at its lowest stage location or in trim height) to begin to rise from the end of the batten up towards the related junction box without going below the batten (the batten should be the lowest elevation that the SO cable ever reaches). All swagged cabling must be strain relieved as indicated on the drawings at both the batten end and at the junction box. If any sets, parts of sets or cables and wires related to any sets become caught or snag any part of any other set during normal operations of the rigging system or are not swagged as intended and shown, then the contractor shall be responsible to remedy any set related cable snag/interference problems at no additional expense to the owner, even if this fix requires redressing the cables and/or disconnection, cutting and re-hookup of power and related wiring by a qualified and licensed electrician. Cable dress requirements includes, but is not limited to, all stage electric SO power cabling (low and high voltage), flexible DMX or Network wiring, hanging microphone cables, control wiring, speaker wiring, projection screen power and low-voltage control cabling, etc. No SO cables shall be allowed to engage other sets or drag/drop over the floor. Cable lengths and swag is critical and shall be coordinated by the contractor to all related parties/contractors early in the project and at regular job meetings to ensure an acceptable installation. No swagged cables shall be allowed to be visible within the proscenium opening. All swagged cables shall dress to the end of their related batten and off stage.

**MISCELLANEOUS:**

Provide all scaffolding, lift platforms, chain motors, chain falls, block and tackle or other methods required to install all system components and hardware and as needed to safely complete the work outlined on these drawings and in the written specifications. Follow all OSHA procedures and recommendations as they pertain to this work and provide OSHA safety devices as required for all personnel.

Protect seating, wall surfaces, stage and floor areas during work.

Trim all new stage rigging sets as indicated. Verify all stage masking from typical front seating row location and field adjust sets incrementally as needed in order to ensure stage hardware is properly masked from view from all audience seating locations. Provide additional items necessary in order to mask stage properly.

Refer to the written specifications & detail drawings for additional scope of work as it regards labeling. Labeling requirements outlined in the written specifications are extensive and detailed.

In any locations where the contractor has performed work and future access to inspect and/or maintain that work is unlikely or impossible due to limited access, etc., the contractor must provide a full set of date/time stamped digital photos that prove the extent and quality of his work.

Field verify and document all existing structural overhead beam/glulam locations & dimensions, all HVAC & MEP devices and the exact beam layout over the house/stage prior to the creation of submittal shop drawings and installing any rigging system components. Detail on precisely dimensioned shop drawings all field verified devices, equipment and other misc. elements as it relates to the new rigging systems equipment, intended layouts, proper clearances, etc. This should include documentation of any field vs. drawing discrepancies, any custom parts needed and all misc. metal necessary to install system as designed and/or any required digressions from the design document intents based upon these field verified dimensions. The intent is to accurately measure and document all equipment, locations, elevations, structural elements, etc. prior to submission of shop drawings and system installation. The contractor shall be solely responsible for all additional costs associated with preparing and submitting additional stamped shop drawing sets based upon unverified field discrepancies, faulty field information or post-submission discovered site conditions that preclude the installation intents.

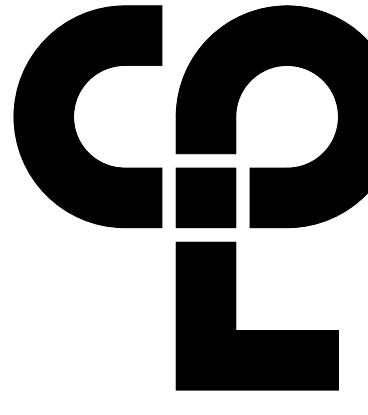
Field verify, prior to the creation of submittal shop drawings and installing any rigging system components, that the existing structural glulam beams are plumb, level and that there is no twisting or bending, cracking, delaminations or any other signs of obvious damage or deficiency related to any of the structural rigging beams or other signs of a potential structural issue (for all beams being used to attach the designed rigging devices to - house or stage). Any discovered issues or problems with the existing structural beams shall be documented with digital photos, verified with detailed and precise field measurements and marked on a simple diagram drawing. This information shall then be communicated to the owner, architect, construction manager, consultant and project structural engineer in writing at the contractor's earliest convenience (early during site demolition and rough-in phases) prior to shop drawing creation and to any rigging system installation work being performed on the site in order to obtain further instructions on how to proceed. The contractor shall not be responsible for existing damage to structural beams or for additional items needed in order to remedy any structural related issues except at additional cost to the owner beyond the original scope of work.

**MODEL NUMBERS:**

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

Provide SSRC style 8" x 8" black wall flanges on welded steel plates and internal pipe mount insert for 1 1/2" schedule 40 black iron pipe for lateral wall support on the related pipe battens for traveler curtain locations. SSRC or equal. Mount to masonry with load rated epoxy masonry anchors or as indicated.

Provide an ADC Silver Service Model #2917 track mounted curtain draw machine with all required interfaces, pulleys, diverters, misc. supplementary mounting Unistrut & hardware, track mounted limit switches, wall mounted pushbutton remote control stations and all necessary hardware needed for the curved main traveler curtain assembly as indicated. Entire machine and related mounting hardware shall be flat black. Provide multiple ADC RCS-1 pushbutton stations to control the track machine and locate as indicated.



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**NEWBURGH ENLARGED CITY SCHOOL DISTRICT**  
Project Name  
**PHASE 3: HERITAGE MIDDLE SCHOOL 2019 CAPITAL IMPROVEMENT PROJECT**

**PROJECT INFORMATION**

Project Number  
13940.18

Client Name  
**NEWBURGH ENLARGED CITY SCHOOL DISTRICT**

Project Address  
405 Union Avenue, New Windsor, NY 12553

SED Number  
44-16-00-01-0-039-011

**NO. DATE** Description

**SHEET INFORMATION**

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9/9/2021

Scale  
As indicated

Project Status  
**CONSTRUCTION DOCUMENTS**

Drawn By  
SPJ

Checked By  
SPJ

Drawing Title  
**THEATRICAL RIGGING SYSTEM NOTES, KEYS & SCHEDULES - GROUND FLOOR AREA A**

**THEATRICAL RIGGING SYSTEM NOTES, KEYS & SCHEDULES - GROUND FLOOR AREA A**

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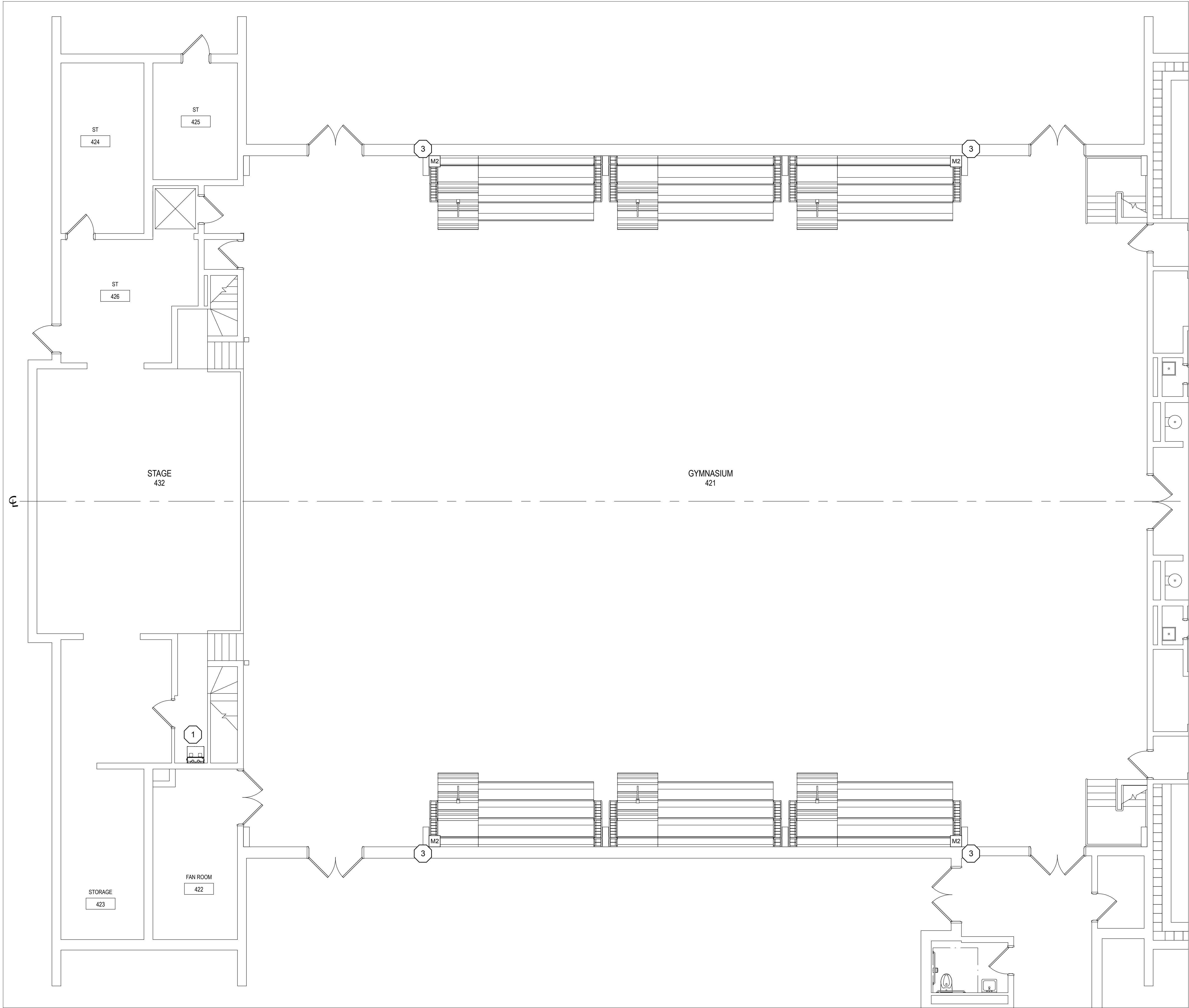
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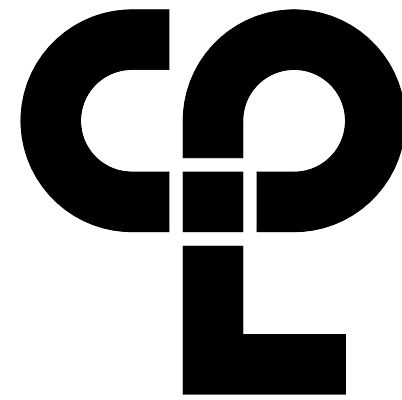
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**THEATRICAL RIGGING SYSTEM NOTES, KEYS & SCHEDULES - GROUND FLOOR AREA A**

Drawing Number  
**HMS TR601**





REFER TO DRAWINGS HMS TS601 FOR ALL  
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Drawn By  
GWN  
Checked By  
GWN

Drawing Title  
GYMNASIUM LOWER LEVEL  
SOUND SYSTEM REMOVAL PLAN

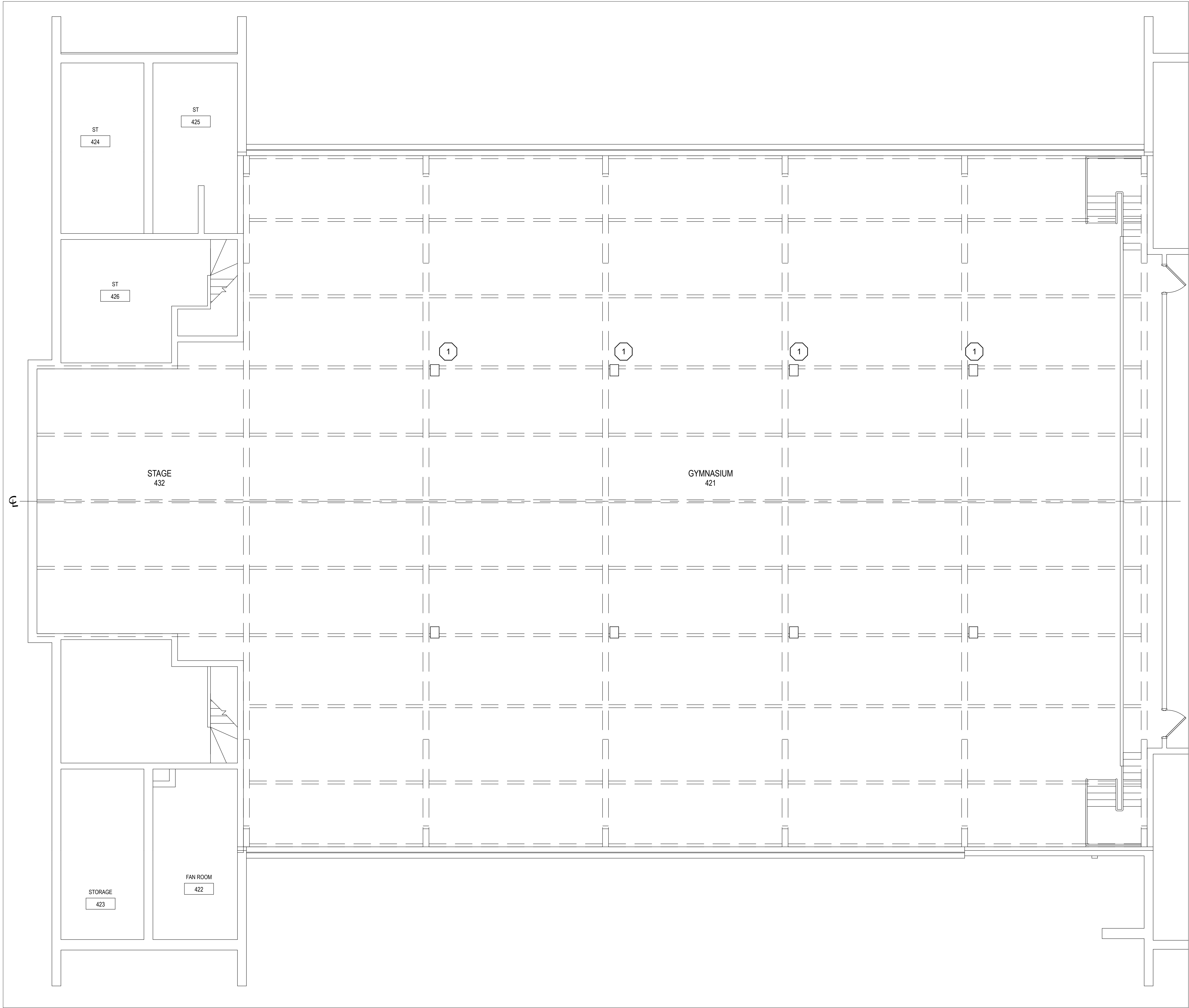
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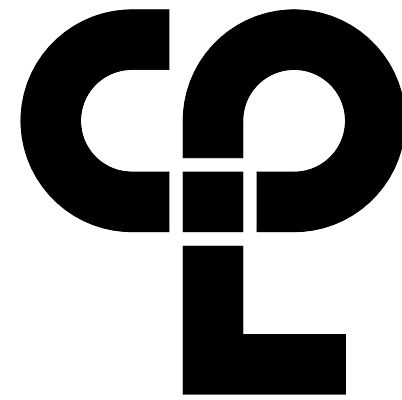
1 LOWER LEVEL REMOVAL PLAN  
SCALE: 3/16" = 1'

7 KEYPLAN AREA A  
NTS

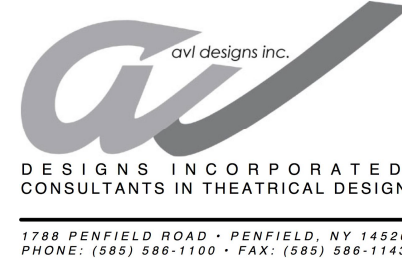




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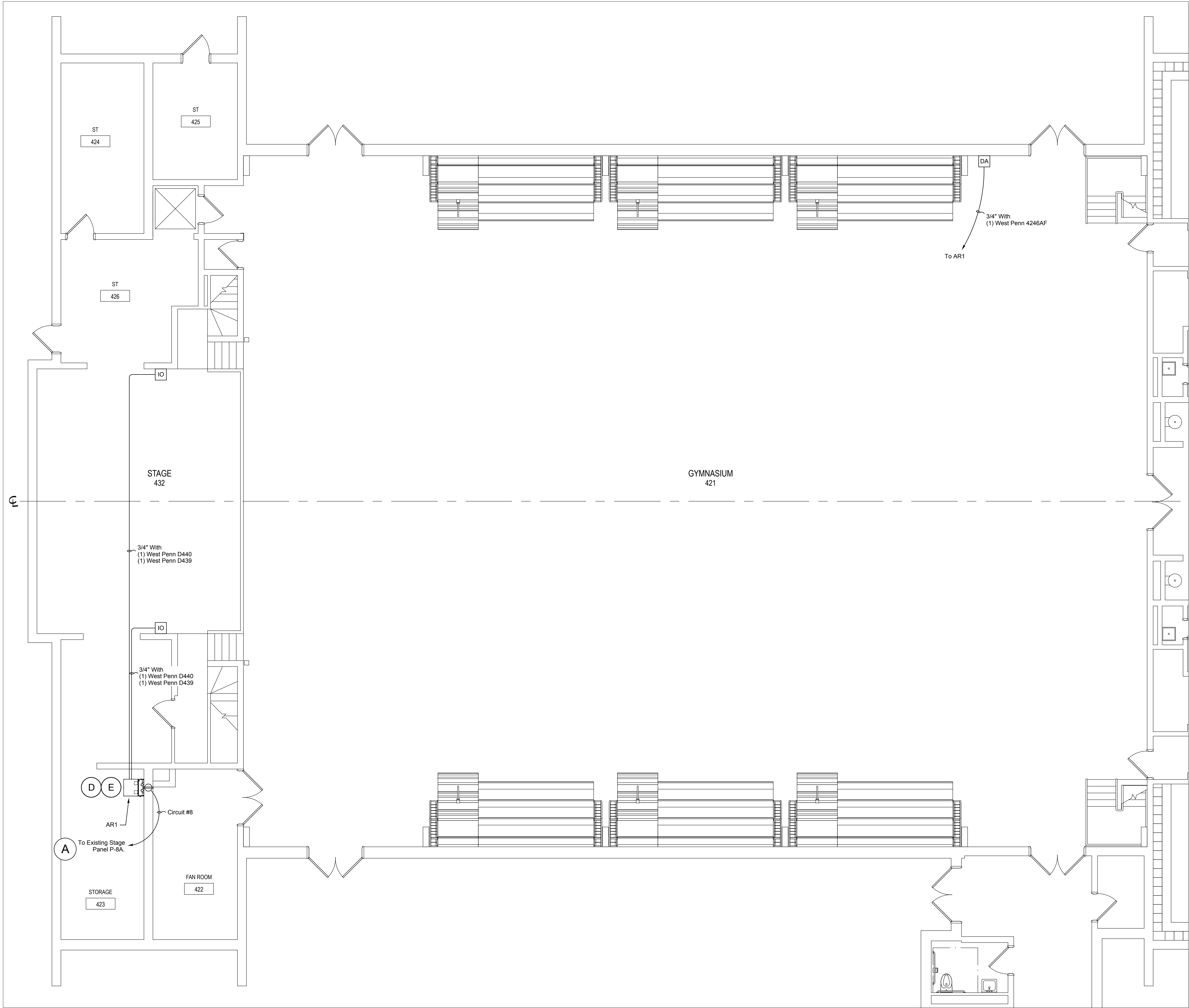
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9/9/2021  
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**CONSTRUCTION DOCUMENTS**  
Drawn By  
GWN  
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Drawing Title  
**GYMNASIUM UPPER LEVEL SOUND SYSTEM REMOVAL PLAN**

Drawing Number  
**HMS TS102A**

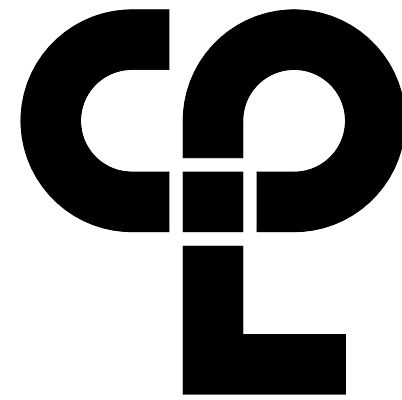
**1** **UPPER LEVEL REMOVAL PLAN**  
SCALE: 3/16" = 1'

**KEYPLAN AREA A**  
NTS





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Checked By  
GWN  
Drawing Title  
GYMNASIUM LOWER LEVEL  
SOUND PLAN

Drawing Number

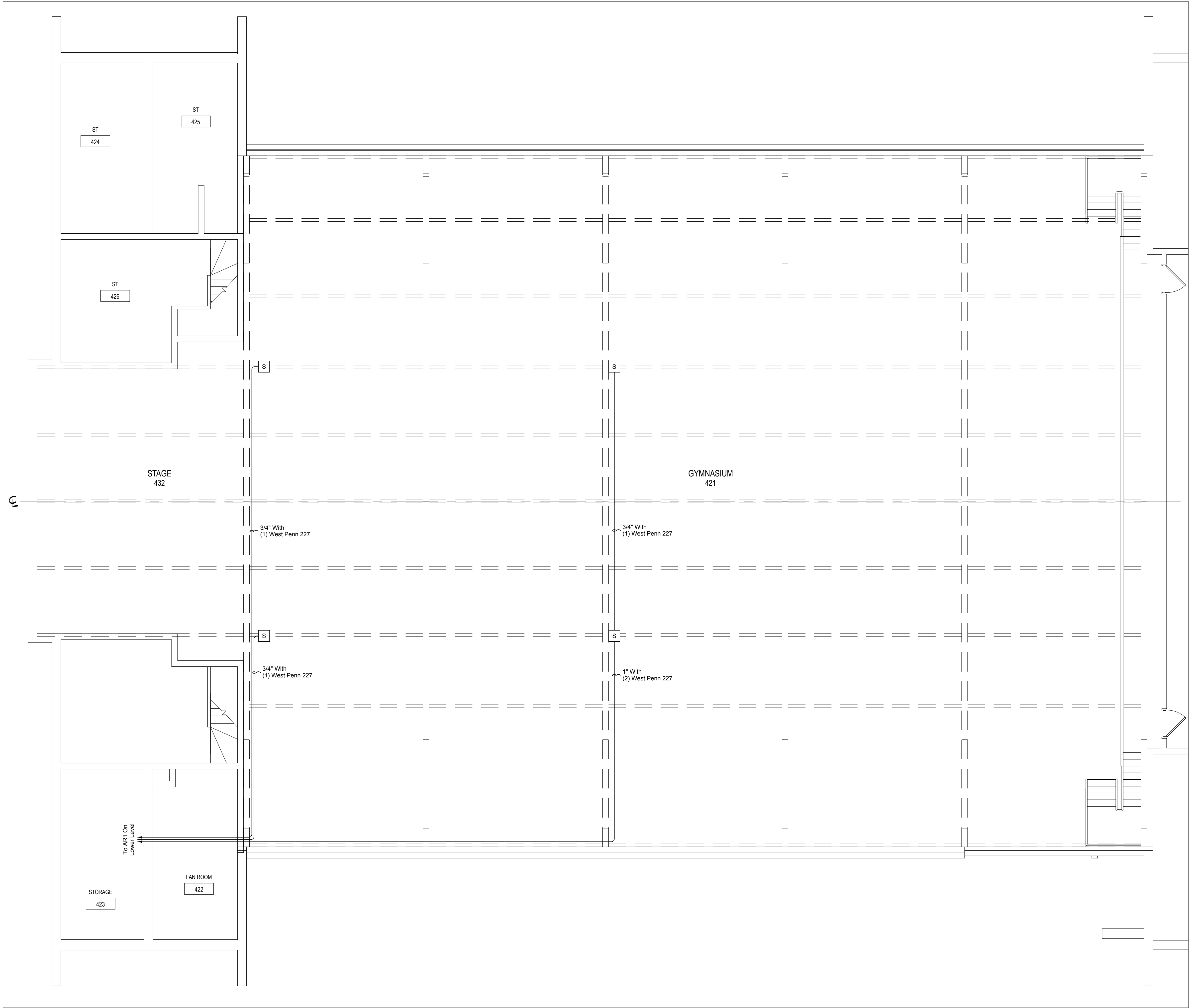
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1 LOWER LEVEL SOUND PLAN  
SCALE: 3/16" = 1'

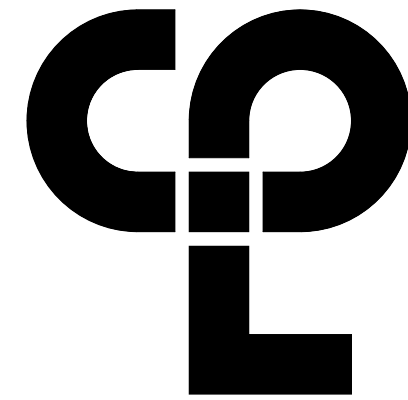


KEYPLAN AREA A  
NTS





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Drawing Title

GYMNOTORIUM UPPER LEVEL  
SOUND PLAN

Drawing Number

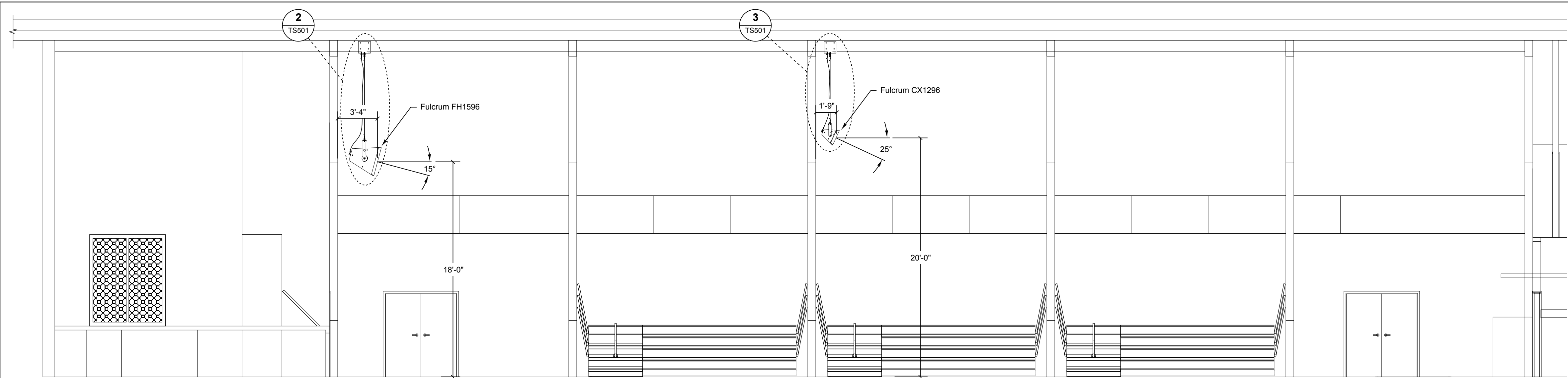
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1 UPPER LEVEL SOUND PLAN  
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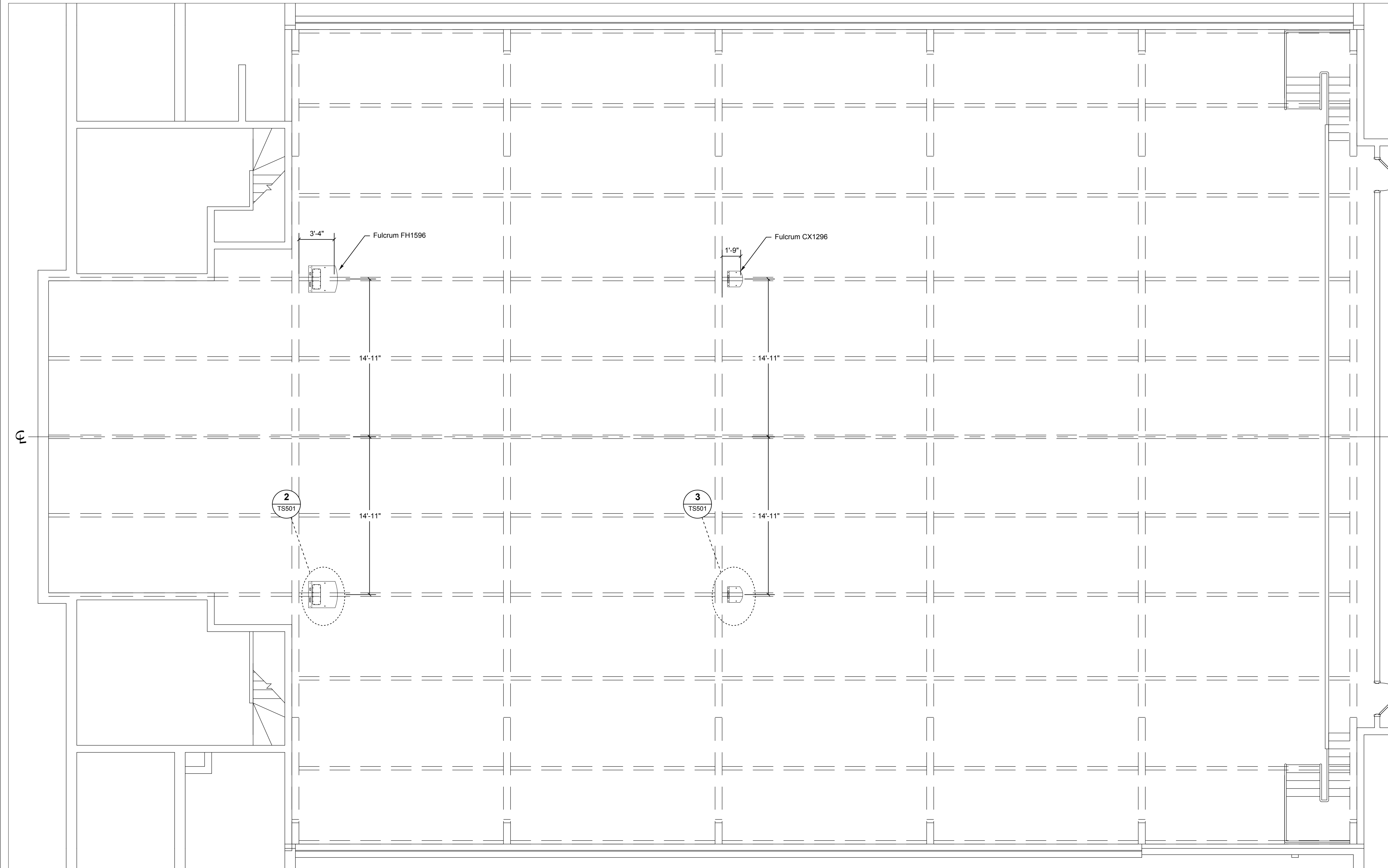


KEYPLAN AREA A  
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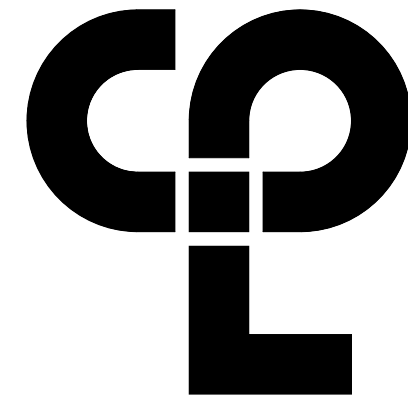


1 **SPEAKER AIMING SECTION**  
SCALE: 3/16" = 1'



2 **SPEAKER AIMING PLAN**  
SCALE: 3/16" = 1'

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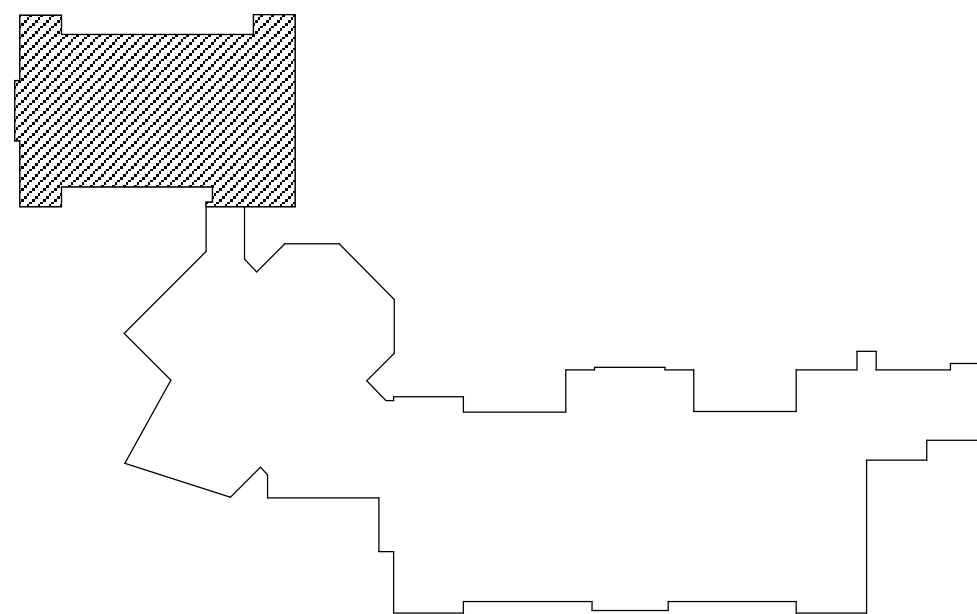
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Drawing Title

GYMNASIUM SOUND SYSTEM  
SPEAKER AIMING PLAN &  
SECTION

Drawing Number

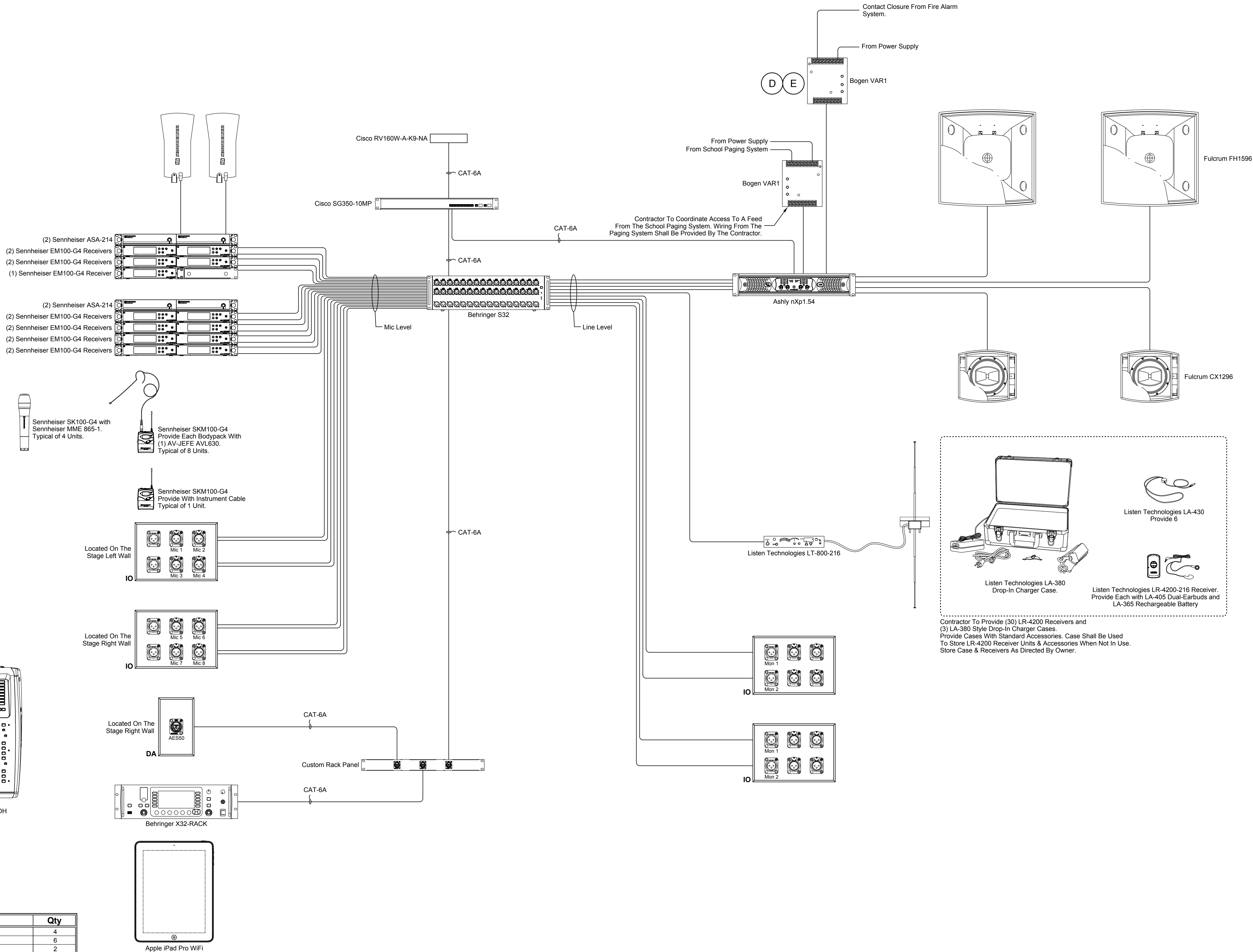
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KEYPLAN AREA A  
NTS

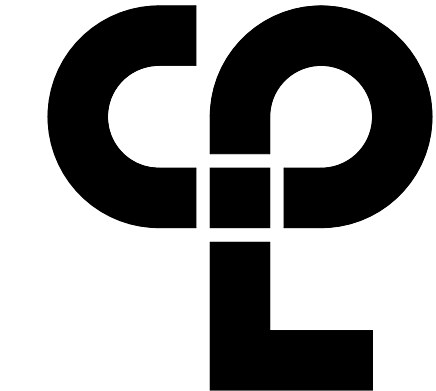


REFER TO DRAWINGS HMS TS601 FOR ALL AUDIO RELATED REMOVAL NOTES, DRAWING NOTES, BUBBLE NOTES, KEYS, SCHEDULES, TABLES, ELECTRICAL RELATED NOTES AND OTHER INFORMATION THAT PERTAIN TO THE TS SERIES DRAWINGS.



PORTABLE EQUIPMENT SCHEDULE  
PROVIDE THE FOLLOWING:

Item	Description	Qty
Shure SM-58	Handheld Dynamic Mic	4
AV-JEFE AVL630	Spare Head-Worn Mic	6
Turbosound TFX122M-AN	Powered Floor Monitor	2
HOSA PMX-425	25' Black Extension Cord	2
HOSA CMP-153	3' Mini-jack to Dual 1/4"	2
K&M 21090-500-55	Tripod Stand With Boom - Black	4
Pro Co M5	5' Mic Cables	4
Pro Co M10	10' Mic Cables	4
Pro Co M25	25' Mic Cables	4
Pro Co iFace	Portable Audio Interface	1



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PROJECT INFORMATION

Project Number

13940.18

Client Name

NEWBURGH ENLARGED CITY

SCHOOL DISTRICT

Project Name

PHASE 3: HERITAGE MIDDLE

SCHOOL 2019 CAPITAL

IMPROVEMENT PROJECT

Project Address

405 Union Avenue, New Windsor, NY 12553

SED Number

44-16-00-01-0-039-011

PROJECT ISSUE SCHEDULE

No.

Date

Description

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

SHEET INFORMATION

Issued

9/9/2021

Project Status

CONSTRUCTION DOCUMENTS

Drawn By

CPL

Checked By

CPL

Drawing Title

Gymnasium Sound System

SINGLE LINE FLOW DIAGRAM

Drawing Number

HMS

TS401



Mount Hearing Assistance Antenna To Wall Above Rack  
As Required To Provide Optimum Coverage  
Throughout The Auditorium

Mount Antennas To Top Of The Rack And Orient  
As Required To Provide Optimum Coverage  
Throughout The Auditorium

Listen Technologies LT-800-216  
(2) Sennheiser ASA-214  
(2) Sennheiser EM100-G4 Receivers  
(2) Sennheiser EM100-G4 Receivers  
(1) Sennheiser EM100-G4 Receiver  
(2) Sennheiser ASA-214  
(2) Sennheiser EM100-G4 Receivers  
(2) Sennheiser EM100-G4 Receivers  
(2) Sennheiser EM100-G4 Receivers  
(2) Sennheiser EM100-G4 Receivers

Behringer X32-RACK

Cisco SG350-10MP

Mid Atlantic Brush Panel

Behringer S32 With  
SSRC RR2-3D

Mid Atlantic Brush Panel

Custom Jumper Panel  
Tech 21 Midi Mouse With  
Custom Panel

Mid Atlantic UPS-1000R

Ashly nXp1.54

2 Space Locking Drawer

3 Space Locking Drawer

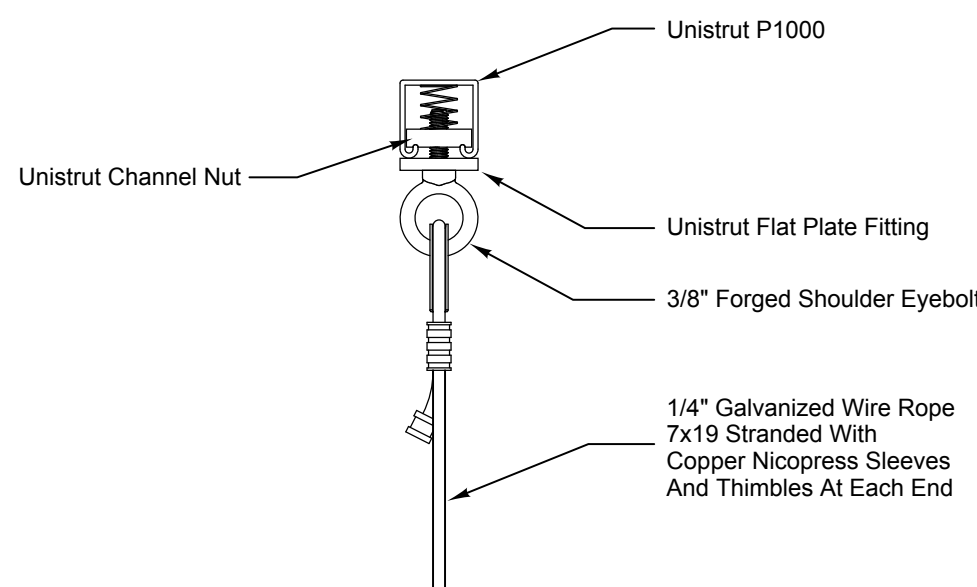
3 Space Locking Drawer

AR1 - Mid Atlantic DWR35-26  
Provide With Vented Front Door And  
All Blank Panels, Vent Panels  
and Custom Panels As Shown.

1

## AUDIO RACK ELEVATIONS

SCALE: 1-1/2" = 1'



4

## UNISTRUT EYEBOLT ATTACHMENT DETAIL

SCALE: 3" = 1'-0"

3/8" Forged Shoulder Eyebolt

3/8" Forged Shoulder Eyebolt  
Typical of 2 Per Unistrut Channel

1/4" Galvanized Wire Rope  
7x19 Stranded With  
Copper Nicopress Sleeves  
And Thimbles At Each End.  
Typical of 2 Per Speaker.

Safety Cable  
1/4" Wire Rope 7x19 Stranded With  
Copper Nicopress Sleeves  
And Thimbles At Each End.

3/8" Forged Shoulder Eyebolt  
Typical of 2 Per Bracket

Fulcrum YK-FH15

Grade 5 Or Higher M12 Hex Bolt  
With Flat Washer & Lock Washer.  
Typical of 2 Per Bracket

2

## MAIN SPEAKER RIGGING DETAIL

SCALE: 1-1/2" = 1'

3/8" Forged Shoulder Eyebolt

3/8" Forged Shoulder Eyebolt  
Typical of 2 Per Unistrut Channel

1/4" Galvanized Wire Rope  
7x19 Stranded With  
Copper Nicopress Sleeves  
And Thimbles At Each End.  
Typical of 2 Per Speaker.

Safety Cable  
1/4" Wire Rope 7x19 Stranded With  
Copper Nicopress Sleeves  
And Thimbles At Each End.

3/8" Forged Shoulder Eyebolt  
Typical of 2 Per Bracket

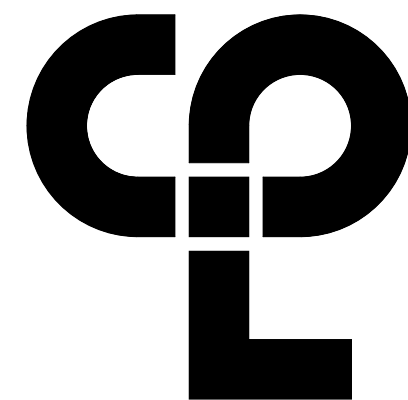
M10 Forged Shoulder Eyebolt

Grade 5 Or Higher M10 Hex Bolt  
With Flat Washer & Lock Washer.  
Typical of 2 Per Bracket

3

## DELAY SPEAKER RIGGING DETAIL

SCALE: 1-1/2" = 1'



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### PROJECT INFORMATION

Project Number

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Client Name

NEWBURGH ENLARGED CITY  
SCHOOL DISTRICT

Project Name

PHASE 3: HERITAGE MIDDLE  
SCHOOL 2019 CAPITAL  
IMPROVEMENT PROJECT

Project Address

405 Union Avenue, New Windsor, NY 12553

SED Number

44-16-00-01-0-039-011

### PROJECT ISSUE SCHEDULE

No.

Date

Description

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ALTER AN ITEM IN ANY WAY IF AN ITEM BEARING THE SEAL  
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THE ALTERING PARTY SHALL AFFIX TO THE ITEM THEIR SEAL  
AND THE NOTATION "ALTERED BY" FOLLOWED BY THEIR  
SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A  
SPECIFIC DESCRIPTION OF THE ALTERATION.

### SHEET INFORMATION

Issued

9/9/2021

Scale

As indicated

Project Status

CONSTRUCTION DOCUMENTS

Drawn By

CPL

Checked By

CPL

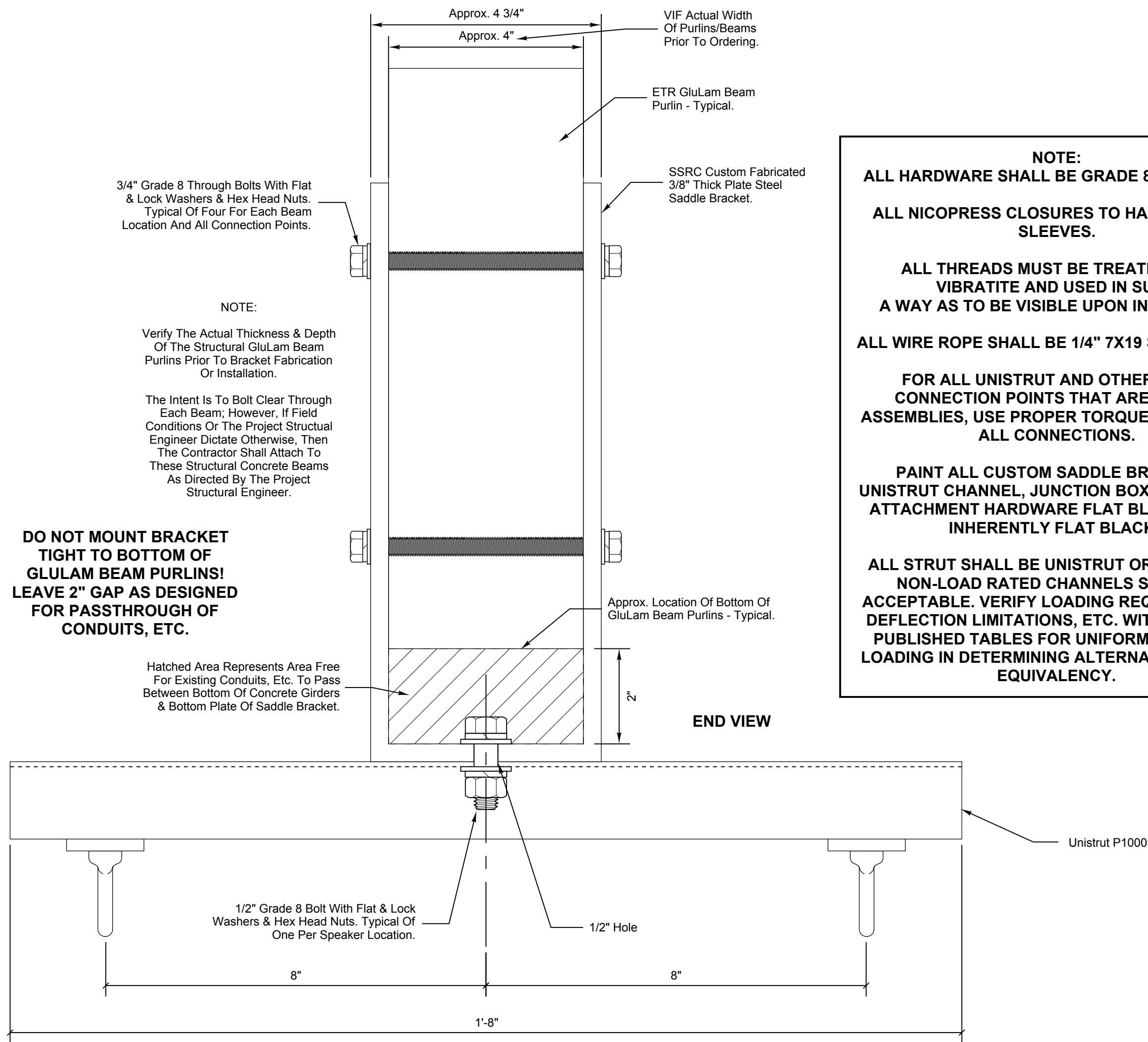
Drawing Title

GYMNASIUM SOUND SYSTEM  
DETAILS

Drawing Number

HMS  
TS501





**NOTE:**  
**ALL HARDWARE SHALL BE GRADE 8 OR HIGHER.**  
**ALL NICOPRESS CLOSURES TO HAVE COPPER SLEEVES.**

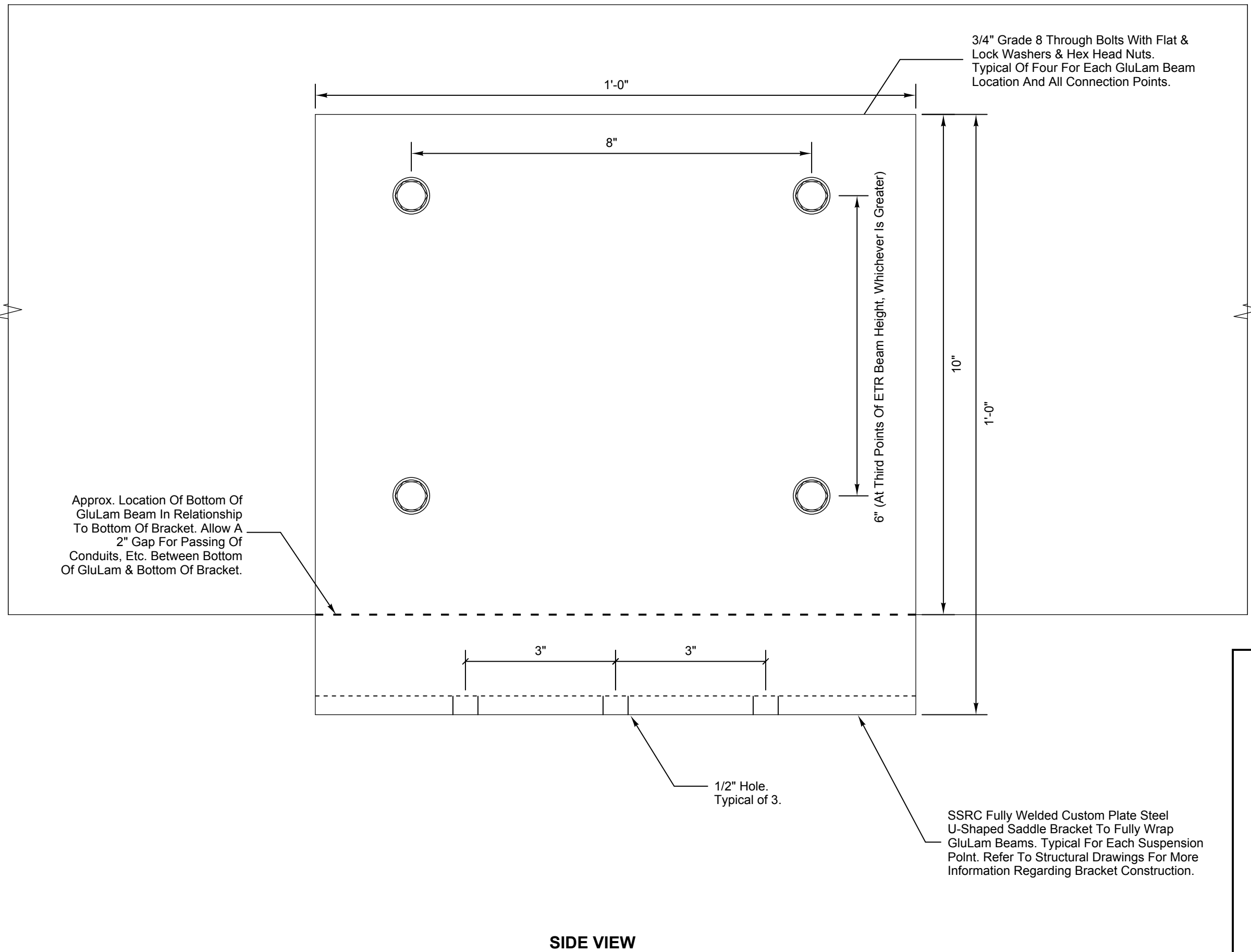
**ALL THREADS MUST BE TREATED WITH VIBRATITE AND USED IN SUCH A WAY AS TO BE VISIBLE UPON INSPECTION.**

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

**FOR ALL UNISTRUT AND OTHER TRUSS CONNECTION POINTS THAT ARE BOLTED ASSEMBLIES, USE PROPER TORQUE RATINGS ON ALL CONNECTIONS.**

**PAINT ALL CUSTOM SADDLE BRACKETS, UNISTRUT CHANNEL, JUNCTION BOXES, ETC. AND ATTACHMENT HARDWARE FLAT BLACK (IF NOT INHERENTLY FLAT BLACK).**

**ALL STRUT SHALL BE UNISTRUT OR EQUAL. NO NON-LOAD RATED CHANNELS SHALL BE ACCEPTABLE. VERIFY LOADING REQUIREMENTS, DEFLECTION LIMITATIONS, ETC. WITH UNISTRUT PUBLISHED TABLES FOR UNIFORM AND POINT LOADING IN DETERMINING ALTERNATE PRODUCT EQUIVALENCY.**

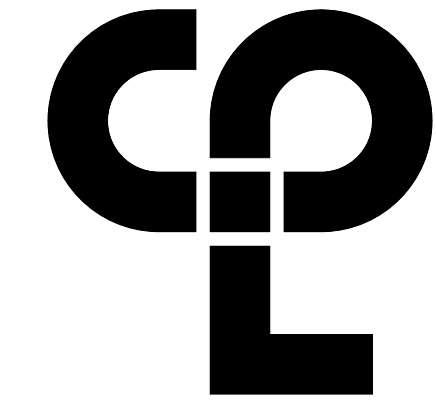


**NOTE:**

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

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

**1 CUSTOM SUSPENSION SADDLE BRACKET DETAILS**  
Scale: 6" = 1'



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PROJECT INFORMATION		
Project Number	13940.18	
Client Name	NEWBURGH ENLARGED CITY SCHOOL DISTRICT	
Project Name	PHASE 3: HERITAGE MIDDLE SCHOOL 2019 CAPITAL IMPROVEMENT PROJECT	
Project Address	405 Union Avenue, New Windsor, NY 12553	
SED Number	44-16-00-01-0-039-011	
PROJECT ISSUE SCHEDULE		
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SHEET INFORMATION	
Issued	Scale
9/9/2021	As indicated
Project Status	CONSTRUCTION DOCUMENTS
Drawn By	Checked By
CPL	CPL
Drawing Title	GYMNOTORIUM SOUND SYSTEM DETAILS

Drawing Number  
**HMS  
TS502**



ELECTRICAL CONTRACTOR SCOPE OF WORK (RELATED TO THE SOUND & AV SYSTEMS):

The Division 26 Contractor (The Electric Contractor, Hereafter Referred To As The EC) Shall Perform All Work As Described Below And On Each TS Series Drawing. All Work Shall Conform To The Standards Of Division 26 Specifications And Spec Section 19 1000.

BOXES, CONDUIT & WIRE:

The EC shall provide (provide means to furnish and install) all conduit, duplex or quad outlets and related faceplates, multiple device boxes, miscellaneous hardware and all installation labor to provide complete conduit layouts and control, line and load circuit/runs as indicated. EC provided and installed equipment may appear in schedules, on plan layouts, in flow diagrams or on detail drawings. The EC shall carefully consult each drawing in order to obtain exact delineation of his responsibilities as it pertains to provision of equipment, installation of equipment for others, assembly and wiring of equipment furnished by others and other necessary installation labor as noted in detail on these drawings and in the written specifications. All devices shown on the drawings are indicated in approximate locations. The TC and EC shall coordinate the exact locations of all devices shown with the owner, existing obstructions and any other AV related items that they may need to be located near or in conjunction with. The EC shall determine all final locations prior to routing or installing any conduit or backboxes.

The EC shall provide no wiring run in conduit unless specifically noted on the plan drawings as otherwise.

The EC shall terminate all conduits into racks, junction boxes, pull-boxes or other appropriate devices as indicated.

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

Labeling (By EC): All conduits shall be clearly labeled on each end as to their origin and destination in a simple, logical manner. All junction boxes, switch boxes and backboxes indicated on drawings shall be labeled with the device nomenclature indicated on the drawings. Permanent black marker on conduit or junction box face is acceptable on conduits, junction boxes, etc. that will not be painted. If any related devices are to be painted, then the EC shall provide the following: Conduits shall be labeled exterior permanent Durable ID Labels. All labeling shall be done with block style lettering/numbering by hand or printed.

All Duplex outlets shall be labeled with the corresponding panel and circuit designations they are fed from. Where branch circuits feed into rack power distributions, label the source breaker and panel number on the rack exterior in a readily visible location using permanent Durable ID Labels.

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

All conduits are to be concealed unless specifically called out on drawings as exposed. Any visible conduits and boxes are to conform to general contract requirements and Division 16 for finish and installation requirements.

Back-to-back outlets in common walls shall not be permitted. All outlet boxes shall be separated by at least one stud bay/cavity.

Note - All circuits are required to have separate hot and neutral conductors. Provide ground wiring as required by applicable code. All wires shall be calculated for rated loads, constant duty non diversity unless otherwise specified. Size wire gauges and conduit sizing to allow for full load operation after taking into account all derating for distance, voltage drop and other conditions required by the most recent national electric code (NEC), the New York State building codes and local codes.

Where wire is indicated on the drawings, either in conduit or in walls, ceilings or chases, this wire shall be provided and pulled by the EC. The EC shall leave at least 3' excess wire at each end unless otherwise indicated on the drawing. Secure ends of all pulled wire to prevent accidental removal or damage during construction. Label all low voltage cables as to their origin and destination and tuck into back boxes to protect from damage. Where low voltage wiring termination is required of the EC, it shall be noted on the drawings. The EC shall provide continuous pull strings in all conduits even after all indicated wire is pulled in.

Where conduit is indicated with no wire called out on the plan drawings, The EC shall provide the conduit empty. The EC shall provide continuous pull strings in all empty conduits, tied off at both ends. Wire must be able to be pulled through the conduits without exceeding the pull spec of the wire to be pulled. Typical pulling tension for cables of this type is between 35 and 50 lbs. tension.

Wiring Standards - Plenum Rated Cable: Unless specifically noted on the drawings, all low voltage wiring is to be CL2/CL3 wiring. Where specific plenum conduits exist its has been noted to use a plenum rated cable. Where wiring runs occur in concealed spaces – walls, ceilings, etc. – and are not enclosed in conduit the EC must verify the space is not being used as a plenum path. Any areas encountered that are plenums must have plenum cable or the wiring must be contained in conduit rated for the plenum application. Field verify conditions prior to ordering or installing cabling.

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

The EC shall radius all conduits where possible. Conduit runs are not to exceed 270 degrees of radius bend. Where elbows and pull boxes are unavoidable, locate these in easily accessible locations not requiring special equipment to reach. Any elbows used must be sweeps and must be accessible without the use of special equipment. If more than 270 degrees of bend is required, The EC shall provide accessible pull boxes.

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

The EC is responsible for fire stopping all penetrations in new and existing fire rated assemblies resulting from the work of his contract.

CONTROLS/PLATES:

The EC shall provide no cover plates for back boxes or switch boxes unless indicated on the drawings. Plates and controls shall be provided by others.

ELECTRICAL CONTRACTOR POWER SYSTEM DRAWING NOTES:

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

Failure by the EC to adhere to any of the specific notes on these drawings shall result in the EC repairing, replacing or reinstalling extensive system components, conduit, wire or related items at his own expense and at no additional cost to the owner in order to bring the installation up to the standards and intents set forth in these contract documents.

Branch circuits indicated are for the dedicated use of the specified system: Audio or AV. No other connections may be made or branches added to these circuits. Each circuit must have a separate hot, neutral, and ground conductor. Conduit grounds are not acceptable for these circuits. All wire to be THHN Stranded with Gauge as required by NEC.

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

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

See E series drawings for conduit sizes, wire types and quantities. Do not duplicate circuits.

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

If a circuit designated does not appear on the E series panel schedules, the EC shall still be responsible for providing the circuit to a panel designated by the electrical engineer for the project. Typically this panel will be within 150 feet of the branch circuit location.

The EC shall provide all backboxes in sizes as indicated. No multi-gang backboxes with raised, tile ring, extension ring or mud ring style reducers to obtain the specified faceplate gang size shall be acceptable in lieu of the indicated device backbox. Any multi-gang devices with these extension rings used shall be replaced and the specified backbox sizes provided by the EC at no additional cost to the owner. The EC shall install all backboxes flush, plumb and level.

The EC shall provide all surface mounted outlet boxes as full-sized backboxes so that the coverface plates do not protrude beyond the box edges. All outlet boxes to be Thomas & Betts AFS style boxes or equivalent size. Any boxes that are smaller than the coverface plate will not be accepted. The intent is for faceplate to be the same size as the backbox in order to prevent sharp or protruding edges that could catch or snag clothing, etc. or cause injury.

The EC shall be responsible for providing an appropriate contact closure feed from the facility's fire alarm system including, but not limited to, wire, conduit, any existing system fire alarm device accessories and triggers needed, fire alarm manufacturer field service technician and related expenses, firestop material to infill firewall penetrations, misc. metal and hardware and all installation labor required to complete the installation and interfacing of this system to the sound system DSP. The EC shall obtain fire alarm tie in wire type per fire alarm system manufacturer's recommendations and shall provide this wiring to the DSP unit. Termination of wiring to the DSP unit shall be provided by the TC. Coordinate installation and hookup of the with the TC. The EC shall be responsible for contacting and interfacing with the local fire Marshall and other appropriate official personnel, if needed, in relation to the addition and the interfacing of the DSP contact with the fire alarm system.

Provide the fire alarm tie to the DSP unit as specified. The intent is for fire alarm triggers (as determined by the owner and applicable codes - i.e. auditorium and building wide triggers, etc.) to be routed from the corresponding contact closure(s) and controls in the main fire alarm system control panel to the DSP unit as needed in order to trigger the DSP to mute during all appropriate fire alarm activation events. Any additional assistance needed from the existing fire alarm service provider company in order to interface with their system shall be arranged in conjunction with the owner and paid for by the EC.

All locations & clearances shown for the sound system & other related devices are specific & critical and may not be altered in the field without obtaining prior written permission from the consultant. Any new proposed locations or field obstructions must be communicated to the consultant in writing and clearly indicated on scaled plan drawings by the EC. EC shall properly & completely seal all wall & floor conduit penetrations entering or exiting racks to ensure that airflow passes through racks as intended by manufacturers. Any racks, wiring, conduit and related devices that are installed in locations other than those indicated on the bid documents or approved in writing post bid will be removed and reinstalled in the correct locations in an as new manner by the EC at no additional cost to the owner (unless obstructions are present which precludes the indicated locations, in which case the consultant shall choose the final locations and indicate this in writing prior to their installation).

Theatrical Systems TC/EC/GC Contract Responsibility Matrix						
	Furnished By TC	Provided By TC	Installed By EC	Provided By EC	Installed By GC	Provided By GC
AUDIO & AV SYSTEMS						
ASBESTOS, LEAD, VERMICULITE & OTHER HAZ MAT ABATEMENT & MISC. PENETRATIONS/EXCAVATIONS BY ABATEMENT CONTRACTOR. SEE DRAWINGS FOR INSTANCES. COORDINATE AS REQUIRED FOR ANY HAZ MAT PENETRATIONS, ETC. RELATED TO THE NEW SYSTEM INSTALLATIONS.						
Description: See symbols Key For More Information						Misc. related notes
Conduit - All				X		
UPS Units		X				
All line and load wiring, branch circuits				X		
Duplex and quad outlets				X		
All Backboxes and Switch Boxes for all devices on plans and shown in symbols				X		
IO		X				
DA		X				
S		X				
Paging Interrupt, Fire alarm, Emergency Lockdown Interface wiring				X		EC to install to Racks leaving 8' excess for termination by TC
All New Equipment Located Inside Audio Racks		X				
All Audio & AV equipment indicated on TS401		X				
System Tuning and Commissioning		X				
Owner Training		X				
DVD Training		X				
Closeout and Punch List		X		X		
Post construction final cleaning of all audio related hardware		X		X		
NOTE: In all categories where "Provided By" is checked for more than one contractor, it is understood that all indicated contractors bear equal responsibility to work in unison in order to satisfy the design criteria set forth in the contract documents.						
Notes & descriptions indicate both general and specific areas of responsibility. See other drawings, other related drawing notes and drawing details for additional information and requirements as they pertain to each category listed above.						

<b>Furnish</b>	Supply and deliver items to the appropriate trade responsible for installation. Deliver to the site to a loading area agreed upon with the installing contractor.
<b>Install</b>	Unpack, move from loading area to installation location. Mount and connect equipment and associated items and make ready for use.
<b>Provide</b>	Furnish all required materials and equipment, locate, install, connect and test ready for use.
<b>Remove</b>	Safely disconnect equipment, including any and all wiring, hardware, conduit (except concealed), anchors, suspension hardware, etc. and legally dispose of items not called out to be offered/returned to owner or to be reinstalled.

AUDITORIUM SYMBOLS KEY

Device	Description	Box Size	Mounting
	Indicates conduit size and/or wire runs		
	Homerun to device		
	Audio Racks 19" EIA - for Specific Rack Information See TS501D		
	Plate With (2) Neutrik XLR-F Connectors	Custom 1 Gang By Whirlwind	Surface Mount As Indicated
	Plate With (4) Neutrik XLR-F Connectors	Custom 2 Gang By Whirlwind	Surface Mount As Indicated
	Plate With (2) Neutrik NL-4 Connectors	Custom 1 Gang By Whirlwind	Surface Mount As Indicated
	Plate With (6) Neutrik Ethercon Connectors	Existing J-Box	Provide New Punched Plate for Existing Junction Box Located In Control Booth.
	Plate With (1) Neutrik Ethercon Connectors	1 Gang	Surface Mount At Standard Electrical Outlet Height, Or As Indicated

Note: All References To "Standard Electrical Outlet Height" And "Standard Switch Height" Are Intended For The Installing Contractor To Mount These Devices To Match These Mounting Heights With Any Existing Or Adjacent Devices On Site.

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

Where Boxes Are Indicated As Surface Mounted, Wiremold Style Boxes Shall Be Utilized, Painted To Match Mounting Surface.

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

Standard Switch Height Typically Is 48" To The Top Of Box.  
Standard Outlet Height Is Typically 20" To Top Of Box.

Where An Existing Back Box And Conduit Patch Can Be Reused, Verify With The Owner/Owner's Representative Before Reusing The Location.

DEFINITIONS:

**EC/DIVISION 26** - Refers to the electrical contractor. The EC shall be providing work as shown on the TL, TR and TS series drawings that is indicated as being performed by the EC and in addition to work indicated on the E series drawings.

**GC** - Refers to the general contractor.

**THEATRICAL CONTRACTOR (TC)** - Refers to a prime contractor providing work scope as indicated in Div 19 and TL, TR, TS drawings.

GENERAL NOTES:

Do not scale plans.

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

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

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

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

This drawing is to be interpreted in conjunction with other drawings in the construction set as well as written specifications for this project. The contents of the drawing do not in any way negate the written specifications, nor do the written specifications in any way negate the contents of the drawings.

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

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

THEATRICAL CONTRACTOR REMOVAL NOTES:

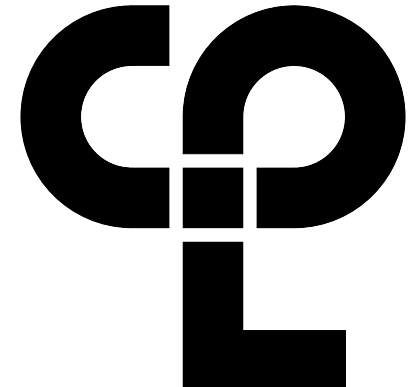
Each Note Indicates A Typical Location For The Type Of Work To Be Performed Or Equipment To Be Removed. Contractor To Provide For All Instances Of Typical Work Indicated.

- The contractor shall disconnect all equipment from the audio rack and dispose of all wiring and equipment. Remove rack from the wall and dispose of it. Patch any holes left from removal.
- The contractor shall disconnect and remove existing surface mount speakers including all mounting hardware. Remove all wiring back to the rack and dispose of all wiring and speakers.
- The contractor shall disconnect all existing mic plates and remove them. Abandon wiring in place and provide a new blank cover plate to match existing plates around it.

THEATRICAL CONTRACTOR DRAWING NOTES:

Each Note Indicates A Typical Location For The Type Of Work To Be Performed Or Equipment To Be Removed. Contractor To Provide For All Instances Of Typical Work Indicated.

- The contractor shall disconnect all wiring related to equipment located in the rack not being re-used in it's existing location. All equipment not being re-used shall be removed and offered to the owner. Any equipment not taken back including the rack shall be properly disposed of. All wiring that is being maintained shall be labelled for reconnection to new equipment. Some existing wiring may need to be extended. Contractor shall provide additional wiring and termination devices as required.



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PROJECT INFORMATION

Project Number  
13940.18

Client Name

NEWBURGH ENLARGED CITY  
SCHOOL DISTRICT

Project Name

PHASE 3: HERITAGE MIDDLE  
SCHOOL 2019 CAPITAL  
IMPROVEMENT PROJECT

Project Address

405 Union Avenue, New Windsor, NY 12553

SED Number

44-16-00-01-0-039-011

PROJECT ISSUE SCHEDULE

No. Date Description

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SHEET INFORMATION

Issued

9/9/2021

Project Status

CONSTRUCTION DOCUMENTS

Drawn By

Checked By

CPL

Drawing Title

GYMNOTORIUM SOUND SYSTEM  
NOTES & SYMBOLS KEYS

Drawing Number

HMS  
TS601

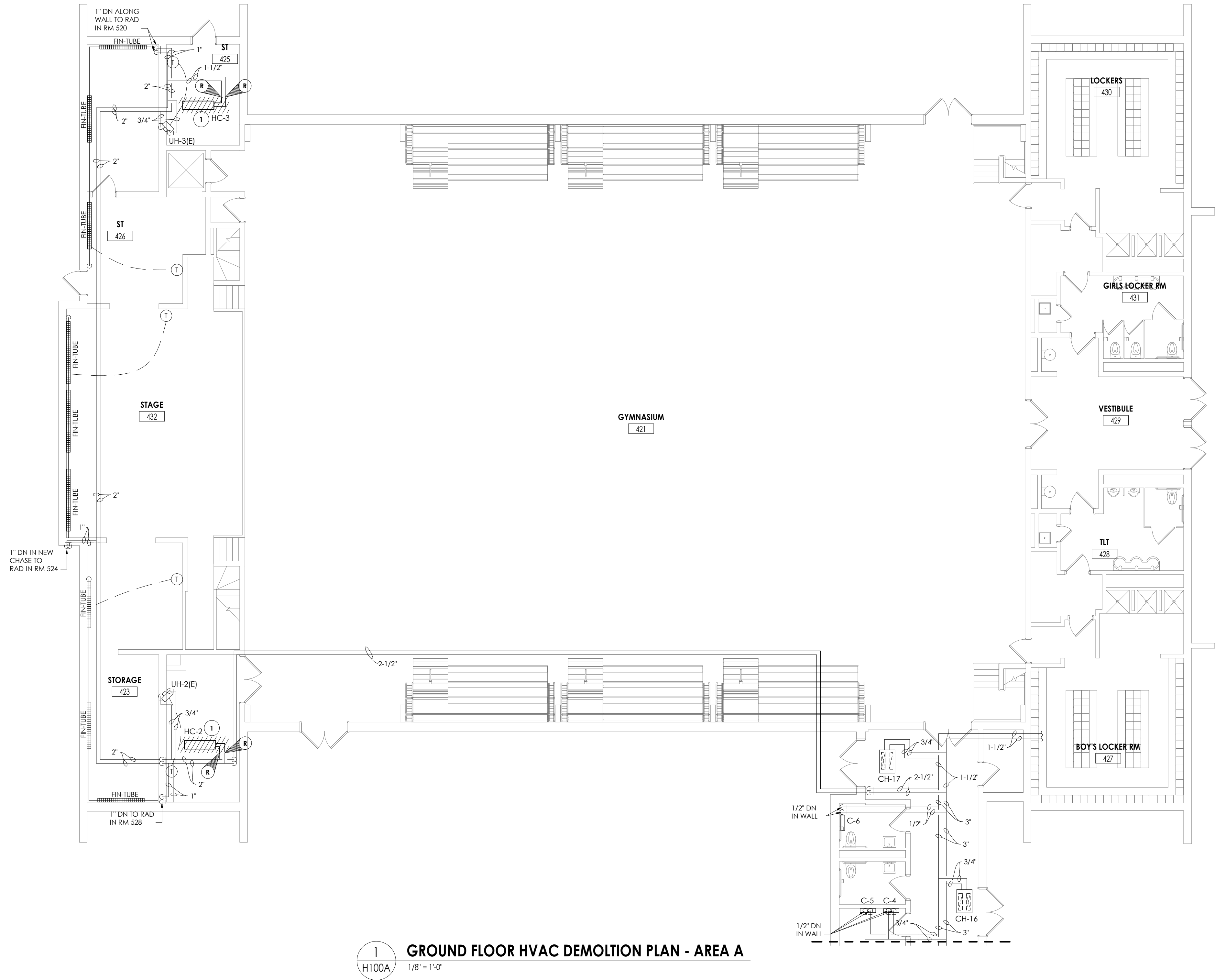


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HVAC SYMBOLS LIST											
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
AAD	AUTOMATIC AIR DAMPER		CONNECTION - TOP		DOUBLE WALL LINED DUCT		SUPPLY / RETURN / EXHAUST AIR TAKEOFFS		ELECTRIC/PNEUMATIC SWITCH OR RELAY		
ACC	AIR-COOLED CONDENSING UNIT		CONNECTION - BOTTOM		DUCT SECTION - SUPPLY		DUCT SECTION - RETURN/EXHAUST		PNEUMATIC/ELECTRIC SWITCH OR RELAY		
AD	ACCESS DOOR		DIRECTION OF FLOW		DUCT SECTION - RETURN/EXHAUST		SUPPLY / RETURN / EXHAUST AIR TAKEOFFS		CURRENT TRANSDUCER		
AFF	ABOVE FINISHED FLOOR		REDUCER		DUCT SECTION - ROUND DUCT IN INCHES		SUPPLY / RETURN / EXHAUST AIR TAKEOFFS		OPEN/CLOSED		
AHU	AIR HANDLING UNIT		CAP OR PLUG		DUCT SECTION - FLAT OVAL DUCT IN INCHES		SUPPLY / RETURN / EXHAUST AIR TAKEOFFS		START/STOP		
BBD	BOILER BLOW DOWN		ELBOW DOWN		ACOUSTIC THERMAL LINING		SUPPLY / RETURN / EXHAUST AIR TAKEOFFS		ENABLE/DISABLE		
BD	BACKDRAFT DAMPER		ELBOW UP		FLEXIBLE DUCTWORK		SUPPLY / RETURN / EXHAUST AIR TAKEOFFS		TEMPERATURE SENSOR (DUCT OR PIPE MOUNTED)		
CA	COMPRESSED AIR		TEE OUTLET - UP		FLEXIBLE CONNECTION		SUPPLY / RETURN / EXHAUST AIR TAKEOFFS		HUMIDITY SENSOR (DUCT MOUNTED)		
CD	COOLING COIL CONDENSATE DRAIN		TEE OUTLET - DOWN		UNION		SUPPLY / RETURN / EXHAUST AIR TAKEOFFS		FLOW TRANSMITTER		
CFM	CUBIC FEET PER MINUTE		GATE VALVE		FIRE DAMPER		SUPPLY / RETURN / EXHAUST AIR TAKEOFFS		PRESSURE TRANSMITTER		
CHWR	CHILLED WATER RETURN		BALL VALVE		SMOKE DAMPER		SUPPLY / RETURN / EXHAUST AIR TAKEOFFS		DIFFERENTIAL PRESSURE TRANSMITTER		
CHWS	CHILLED WATER SUPPLY		BALANCING VALVE		COMBINATION FIRE AND SMOKE DAMPER		SUPPLY / RETURN / EXHAUST AIR TAKEOFFS		ELECTRIC/PNEUMATIC TRANSDUCER		
CR	CONDENSER WATER RETURN		STRAINER		VOLUME DAMPER		SUPPLY / RETURN / EXHAUST AIR TAKEOFFS		ELECTRIC/ELECTRONIC TRANSDUCER		
CS	CONDENSER WATER SUPPLY		STRAINER WITH BLOW-DOWN		DAMPER CONTROL, PARALLEL BLADE		SUPPLY / RETURN / EXHAUST AIR TAKEOFFS		DUCT SMOKE DETECTOR		
CW	DOMESTIC COLD WATER		BUTTERFLY VALVE		DAMPER CONTROL, OPPOSED BLADE		SUPPLY / RETURN / EXHAUST AIR TAKEOFFS		SPACE THERMOSTAT		
D	DRAIN		CHECK VALVE		AUTOMATIC AIR DAMPER		SUPPLY / RETURN / EXHAUST AIR TAKEOFFS		SPACE HUMIDISTAT		
(E)	EXISTING		TRIPLE DUTY VALVE		BACK DRAFT DAMPER		SUPPLY / RETURN / EXHAUST AIR TAKEOFFS		WATER FLOW SENSOR		
EA	EXHAUST AIR		GAS COCK, PLUG VALVE		BLAST GATE		SUPPLY / RETURN / EXHAUST AIR TAKEOFFS		PNEUMATIC ACTUATOR		
EC	ELECTRICAL CONTRACTOR		UNDERCUT DOOR 1"		LOUVERED DOOR W/ SQ. FT. OF FREE AREA		SUPPLY / RETURN / EXHAUST AIR TAKEOFFS		ELECTRIC ACTUATOR		
EF	EXHAUST FAN		AIR VENT - MANUAL		AIR VENT - AUTOMATIC		SUPPLY / RETURN / EXHAUST AIR TAKEOFFS		VARIABLE SPEED / FREQUENCY DRIVE		
ERHC	ELECTRIC REHEAT COIL		FLANGE		AIR DUCT (FIRST FIGURE IS DUCT WIDTH/TOP, SECOND FIGURE IS DUCT DEPTH)		SUPPLY / RETURN / EXHAUST AIR TAKEOFFS		COOLING COIL		
ETR	EXISTING TO REMAIN		CONTROL/SOLENOID VALVE, ELECTRIC 2-WAY		MULTI-BLADE AIR EXTRACTOR		SUPPLY / RETURN / EXHAUST AIR TAKEOFFS		HEATING COIL		
EUH	ELECTRIC UNIT HEATER		CONTROL VALVE, ELECTRIC 3-WAY		TURNING VANES		SUPPLY / RETURN / EXHAUST AIR TAKEOFFS		GAS FURNACE		
F&T	FLOAT AND THERMOSTATIC TRAP		CONTROL VALVE, PNEUMATIC 2-WAY		EXISTING WORK TO BE REMOVED (HATCHED)		SUPPLY / RETURN / EXHAUST AIR TAKEOFFS		HUMIDIFIER		
FCU	FAN-COIL UNIT		CONTROL VALVE, PNEUMATIC 3-WAY		POINT OF CONNECTION		SUPPLY / RETURN / EXHAUST AIR TAKEOFFS		ALARM		
FBM	FEET PER MINUTE		RELIEF / SAFETY VALVE		POINT OF DISCONNECTION		SUPPLY / RETURN / EXHAUST AIR TAKEOFFS		STATUS		
FT	FIN-TUBE		PRESSURE REDUCING VALVE		AIR FLOW SENSOR		SUPPLY / RETURN / EXHAUST AIR TAKEOFFS		FLOW SWITCH		
GC	GENERAL CONTRACTOR		VACUUM BREAKER		POINT OF CONNECTION		SUPPLY / RETURN / EXHAUST AIR TAKEOFFS		DIFFERENTIAL STATIC PRESSURE SWITCH		
GR	GLYCOL RETURN		FLEXIBLE PIPE CONNECTOR		AIR FLOW SENSOR		SUPPLY / RETURN / EXHAUST AIR TAKEOFFS		RELAY		
GS	GLYCOL SUPPLY		EXPANSION COMPENSATOR W/ GUIDES		FILTER		SUPPLY / RETURN / EXHAUST AIR TAKEOFFS		PRESSURE GAUGE		
HC	HVAC CONTRACTOR		EXPANSION JOINT		TRANSITION SQUARE TO ROUND		SUPPLY / RETURN / EXHAUST AIR TAKEOFFS		FREEZE-STAT		
HHWR	HEATING HOT WATER RETURN		PIPE ANCHOR		HUMIDIFIER DISPERSION TUBE		SUPPLY / RETURN / EXHAUST AIR TAKEOFFS		DIGITAL INPUT (TO BUILDING MANAGEMENT SYSTEM)		
HHWS	HEATING HOT WATER SUPPLY		PIPE GUIDE		RISE IN DUCT		SUPPLY / RETURN / EXHAUST AIR TAKEOFFS		DIGITAL OUTPUT (FROM BUILDING MANAGEMENT SYSTEM)		
HP	HEAT PUMP		THERMOSTATIC TRAP		DROP IN DUCT		SUPPLY / RETURN / EXHAUST AIR TAKEOFFS		ANALOG OUTPUT (FROM BUILDING MANAGEMENT SYSTEM)		
HPC	HIGH PRESSURE CONDENSATE		FLOAT & THERMOSTATIC TRAP		SQUARE CEILING DIFFUSER (4 WAY)		SUPPLY / RETURN / EXHAUST AIR TAKEOFFS		ANALOG INPUT (TO BUILDING MANAGEMENT SYSTEM)		
HPS	HIGH PRESSURE STEAM		BUCKET TRAP		ROUND CEILING DIFFUSER		SUPPLY / RETURN / EXHAUST AIR TAKEOFFS		ELECTRICAL INTERFACE		
LF	LINEAR FOOTAGE OF FIN-TUBE RADIATION		THERMODYNAMIC TRAP		SQUARE OR RECTANGULAR CEILING GRILLE		SUPPLY / RETURN / EXHAUST AIR TAKEOFFS		SPEED FEED BACK		
LPC	LOW PRESSURE CONDENSATE		THERMOMETER		SUPPLY REGISTER, RETURN OR EXHAUST GRILLE		SUPPLY / RETURN / EXHAUST AIR TAKEOFFS		END SWITCH		
LPG	LIQUEFIED PROPANE GAS		WELL		PRESSURE GAUGE		SUPPLY / RETURN / EXHAUST AIR TAKEOFFS		POSITION FEEDBACK		
LPS	LOW PRESSURE STEAM		STEAM PRESSURE GAUGE WITH 1/4" NEEDLE VALVE		PRESSURE GAUGE		SUPPLY / RETURN / EXHAUST AIR TAKEOFFS		TRAVERSE AVERAGING SENSOR		
MBH	1,000 BTU/HR		PRESSURE GAUGE WITH 1/4" NEEDLE VALVE		PRESSURE GAUGE		SUPPLY / RETURN / EXHAUST AIR TAKEOFFS		PROBE SENSOR		
MC	MECHANICAL CONTRACTOR		PRESSURE GAUGE		PRESSURE GAUGE		SUPPLY / RETURN / EXHAUST AIR TAKEOFFS		FREEZE STAT SENSOR		
MPC	MEDIUM PRESSURE CONDENSATE		PRESSURE GAUGE		PRESSURE GAUGE		SUPPLY / RETURN / EXHAUST AIR TAKEOFFS				
MPS	MEDIUM PRESSURE STEAM		PRESSURE GAUGE		PRESSURE GAUGE		SUPPLY / RETURN / EXHAUST AIR TAKEOFFS				
MRD	MONOFLO FITTING DOWN - HHWR		PRESSURE GAUGE		PRESSURE GAUGE		SUPPLY / RETURN / EXHAUST AIR TAKEOFFS				
MSD	MONOFLO FITTING DOWN - HHWS		PRESSURE GAUGE		PRESSURE GAUGE		SUPPLY / RETURN / EXHAUST AIR TAKEOFFS				
MUW	MAKE-UP WATER		PRESSURE GAUGE		PRESSURE GAUGE		SUPPLY / RETURN / EXHAUST AIR TAKEOFFS				
NC	NORMALLY CLOSED		PRESSURE GAUGE		PRESSURE GAUGE		SUPPLY / RETURN / EXHAUST AIR TAKEOFFS				
NG	NATURAL GAS		PRESSURE GAUGE		PRESSURE GAUGE		SUPPLY / RETURN / EXHAUST AIR TAKEOFFS				
NO	NORMALLY OPEN		PRESSURE GAUGE		PRESSURE GAUGE		SUPPLY / RETURN / EXHAUST AIR TAKEOFFS				
NTS	NOT TO SCALE		PRESSURE GAUGE		PRESSURE GAUGE		SUPPLY / RETURN / EXHAUST AIR TAKEOFFS				
OA	OUTSIDE AIR		PRESSURE GAUGE		PRESSURE GAUGE		SUPPLY / RETURN / EXHAUST AIR TAKEOFFS				
PC	PLUMBING CONTRACTOR		PRESSURE GAUGE		PRESSURE GAUGE		SUPPLY / RETURN / EXHAUST AIR TAKEOFFS				
PD	PUMP DISCHARGE		PRESSURE GAUGE		PRESSURE GAUGE		SUPPLY / RETURN / EXHAUST AIR TAKEOFFS				
PHWR	PRIMARY HEATING HOT WATER RETURN		PRESSURE GAUGE		PRESSURE GAUGE		SUPPLY / RETURN / EXHAUST AIR TAKEOFFS				
PHWS	PRIMARY HEATING HOT WATER SUPPLY		PRESSURE GAUGE		PRESSURE GAUGE		SUPPLY / RETURN / EXHAUST AIR TAKEOFFS				
RA	RETURN AIR		PRESSURE GAUGE		PRESSURE GAUGE		SUPPLY / RETURN / EXHAUST AIR TAKEOFFS				
RD	REFRIGERANT DISCHARGE		PRESSURE GAUGE		PRESSURE GAUGE		SUPPLY / RETURN / EXHAUST AIR TAKEOFFS				
RHC	HOT WATER REHEAT COIL		PRESSURE GAUGE		PRESSURE GAUGE		SUPPLY / RETURN / EXHAUST AIR TAKEOFFS				
RLL	REFRIGERANT LIQUID PIPE		PRESSURE GAUGE		PRESSURE GAUGE		SUPPLY / RETURN / EXHAUST AIR TAKEOFFS				
RSL	REFRIGERANT SUCTION PIPE		PRESSURE GAUGE		PRESSURE GAUGE		SUPPLY / RETURN / EXHAUST AIR TAKEOFFS				
RTU	ROOFTOP UNIT		PRESSURE GAUGE		PRESSURE GAUGE		SUPPLY / RETURN / EXHAUST AIR TAKEOFFS				
RV	ROOF VENT		PRESSURE GAUGE		PRESSURE GAUGE		SUPPLY / RETURN / EXHAUST AIR TAKEOFFS				
SA	SUPPLY AIR		PRESSURE GAUGE		PRESSURE GAUGE		SUPPLY / RETURN / EXHAUST AIR TAKEOFFS				
SHWR	SECONDARY HEATING HOT WATER RETURN		PRESSURE GAUGE		PRESSURE GAUGE		SUPPLY / RETURN / EXHAUST AIR TAKEOFFS				
SHWS	SECONDARY HEATING HOT WATER SUPPLY		PRESSURE GAUGE		PRESSURE GAUGE		SUPPLY / RETURN / EXHAUST AIR TAKEOFFS				
SSI	SPLIT SYSTEM INDOOR SECTION (EVAPORATOR SECTION)		PRESSURE GAUGE		PRESSURE GAUGE		SUPPLY / RETURN / EXHAUST AIR TAKEOFFS				
SSO											



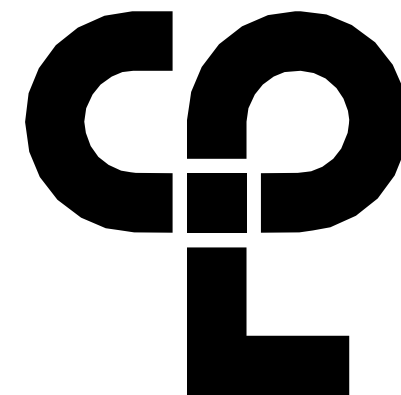
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1  
H100A  
GROUND FLOOR HVAC DEMOLITION PLAN - AREA A  
1/8" = 1'-0"

KEY NOTES

- ① REMOVE EXISTING HEATING AND VENTILATING UNIT, ASSOCIATED HHWS/R PIPING, DUCTWORK, SUPPORTS AND GRILLES, SALVAGE CONTROLS FOR RECONNECTION.



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PROJECT INFORMATION

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13940.18  
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**NEWBURGH ENLARGED CITY  
SCHOOL DISTRICT**  
Project Name  
**PHASE 3: HERITAGE MIDDLE  
SCHOOL 2019 CAPITAL  
IMPROVEMENT PROJECT**

Project Address  
405 Union Avenue, New Windsor, NY 12553

SED Number  
44-16-00-01-0-039-011

PROJECT ISSUE SCHEDULE

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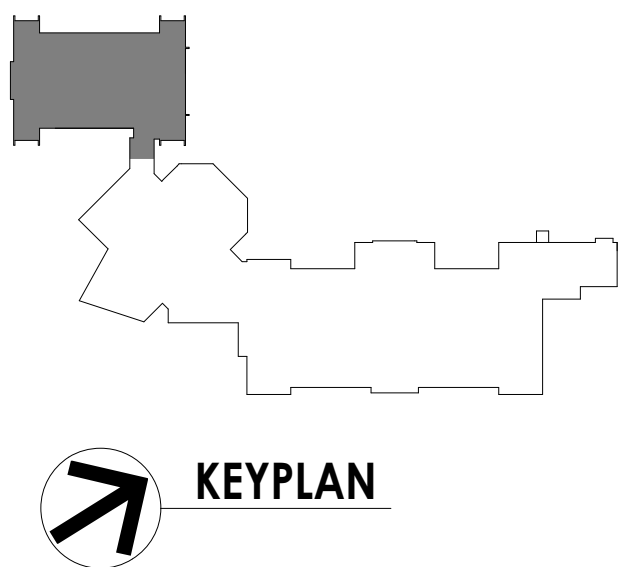
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SHEET INFORMATION

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09/09/2021  
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Project Status  
CONSTRUCTION DOCUMENTS  
Drawn By  
NRH  
Checked By  
JJM  
Drawing Title  
GROUND FLOOR HVAC  
DEMOLITION PLAN - AREA A

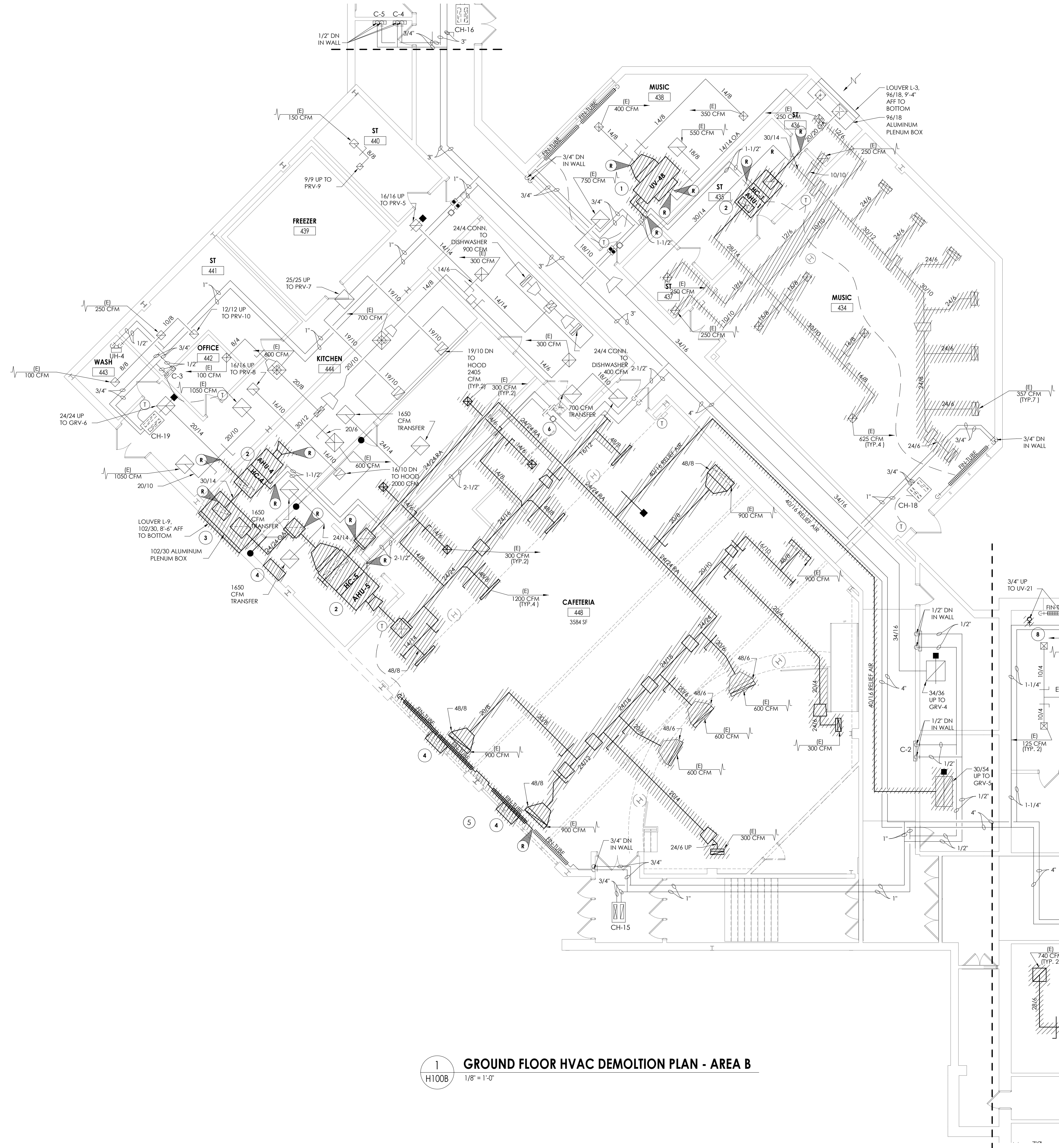
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1 GROUND FLOOR HVAC DEMOLITION PLAN - AREA B  
H100B 1/8" = 1'-0"

KEY NOTES

- 1 REMOVE EXISTING UNIT VENTILATOR, SALVAGE ASSOCIATED DUCTWORK, OUTDOOR AIR LOUVER AND CONTROL WIRING FOR NEW UNIT. PREPARE HHWS/R PIPING FOR RECONNECTION.
- 2 REMOVE EXISTING AIR HANDLING UNIT AND ASSOCIATED SUPPORTS AND DUCTWORK TO POINTS INDICATED. SALVAGE CONTROLS WIRING. PREPARE CONTROL, PIPING AND DUCTWORK FOR NEW UNIT.
- 3 REMOVE EXISTING OUTDOOR AIR LOUVER AND PLENUM.
- 4 REMOVE EXISTING EXHAUST FAN AND CONTROLS.
- 5 REMOVE EXISTING FINITE AND ENCLOSURE TO POINTS INDICATED. PREPARE PIPING FOR NEW CONNECTION
- 6 RELOCATE EXISTING PIPING TO ALLOW FOR INSTALTION OF NEW DIVIDING WALL.

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PROJECT ISSUE SCHEDULE

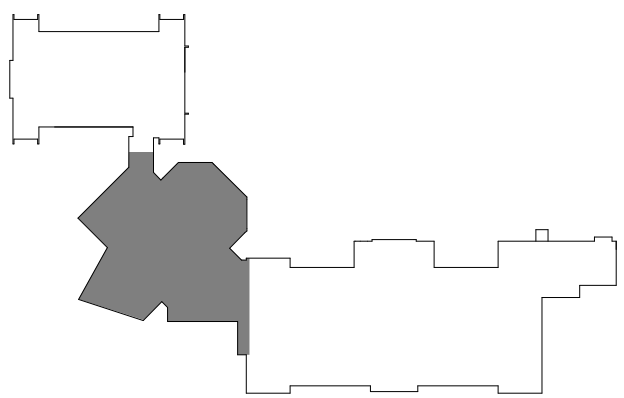
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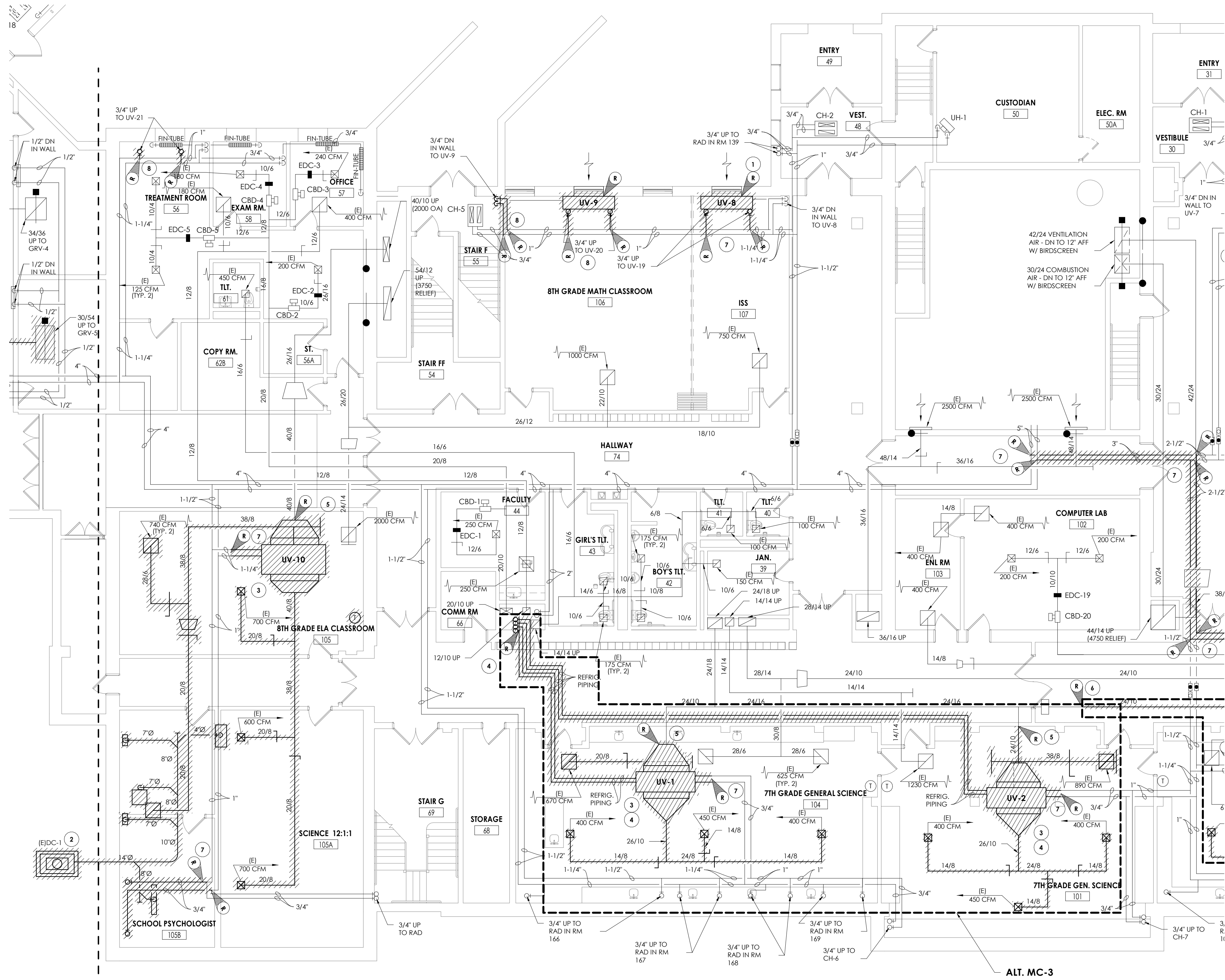
SHEET INFORMATION

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09/09/2021  
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CONSTRUCTION DOCUMENTS  
Drawn By  
NRH  
Checked By  
JJM  
Drawing Title  
GROUND FLOOR HVAC DEMOLITION PLAN - AREA B  
Drawing Number

HMS  
H100B







1  
H100C  
GROUND FLOOR HVAC DEMOLITION PLAN - AREA C  
1/8" = 1'-0"

KEY NOTES

- 1 REMOVE EXISTING UNIT VENTILATOR, SALVAGE OUTDOOR AIR LOUVER AND CONTROL WIRING.
- 2 REMOVE EXISTING DUST COLLECTOR, CONTROLS, HOUSEKEEPING PAD, AND DUCTWORK TO POINT INDICATED.
- 3 REMOVE EXISTING UNIT VENTILATOR AND ASSOCIATED DUCTWORK TO POINT INDICATED. SALVAGE CONTROLS AND CONTROL WIRING FOR NEW UNIT.
- 4 REMOVE ALL RSL/RLL PIPING FROM UNIT VENTILATOR TO CONDENSING UNIT ON GRADE. PRIOR TO REMOVAL, DRAIN ALL PIPING AND DISPOSE OF ALL REFRIGERANT PER THE LATEST ADAPTED RULES AND REGULATIONS BY THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY (EPA). CONTRACTOR OR TECHNICIAN PERFORMING THE WORK SHALL BE AN EPA APPROVED AGENCY OR ORGANIZATION.
- 5 REMOVE DUCTWORK TO POINT INDICATED. PREPARE DUCTWORK FOR NEW CONNECTION.
- 6 REMOVE OUTDOOR AIR DUCT TO POINT INDICATED AND CAP MAIN.
- 7 REMOVE PIPING TO POINT INDICATED. PREPARE FOR RECONNECTION.
- 8 REMOVE PIPING TO POINT INDICATED AND CAP.

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Checked By  
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GROUND FLOOR HVAC  
DEMOLITION PLAN - AREA C

Drawing Number

HMS  
H100C

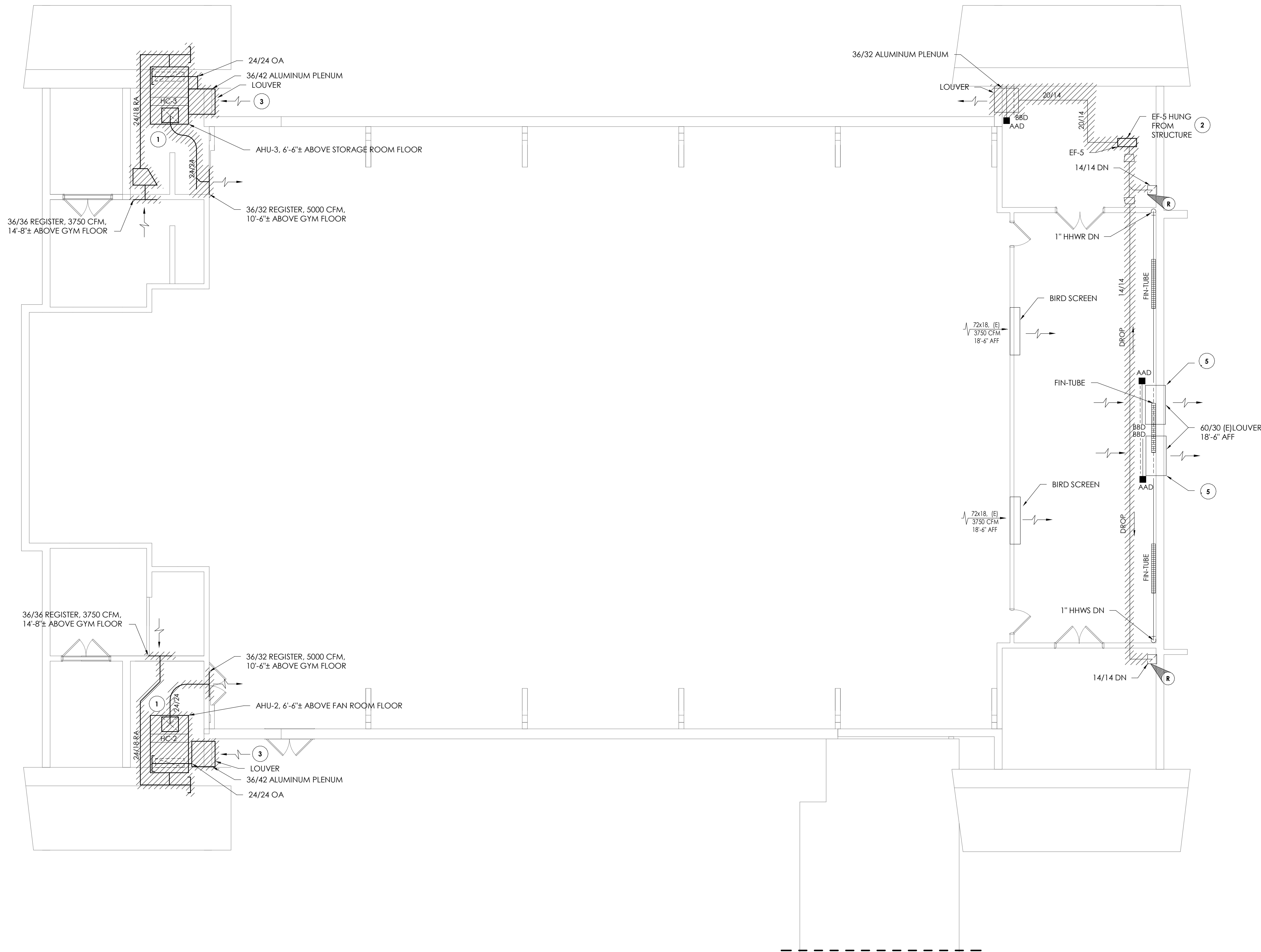








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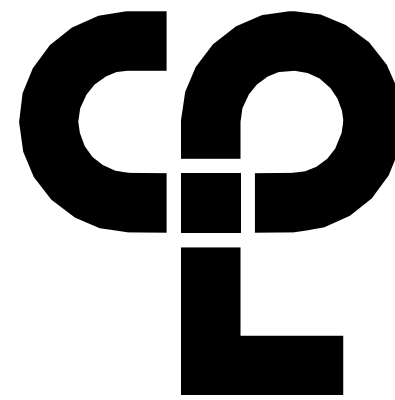
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H101A

FIRST FLOOR HVAC DEMOLITION PLAN - AREA A

1/8" = 1'-0"

KEY NOTES

- 1 REMOVE EXISTING AIR HANDLER, DUCTWORK, GRILLES, SUPPORTS, PIPING AND CONTROLS. SALVAGE CONTROLS FOR RE-USE.
- 2 REMOVE EXISTING EXHAUST FAN AND CONTROLS. PREPARE DUCTWORK FOR NEW CONNECTION, SALVAGE CONTROLS FOR RE-USE.
- 3 PREPARE EXISTING LOUVER FOR RECONNECTION.
- 4 PREPARE EXISTING OPENING FOR NEW DUCTWORK. REMOVE LOUVER.
- 5 DISCONNECT EXISTING CONTROLS. CLOSE DAMPERS AND ABANDON IN PLACE.



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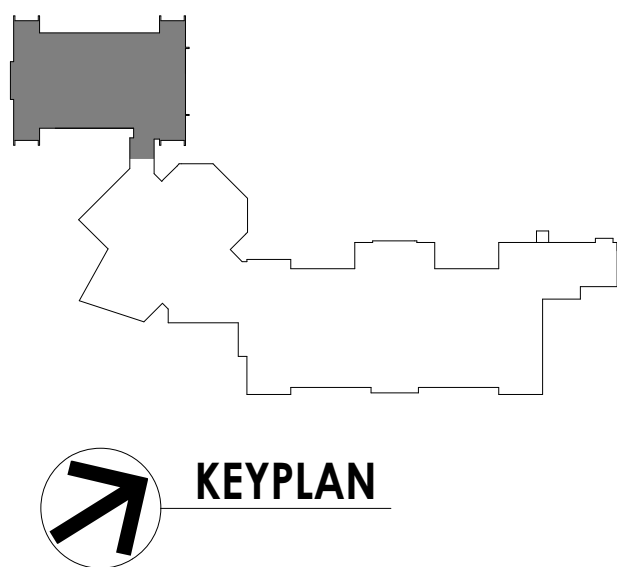
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JJM

Drawing Title

FIRST FLOOR HVAC DEMOLITION  
PLAN - AREA A

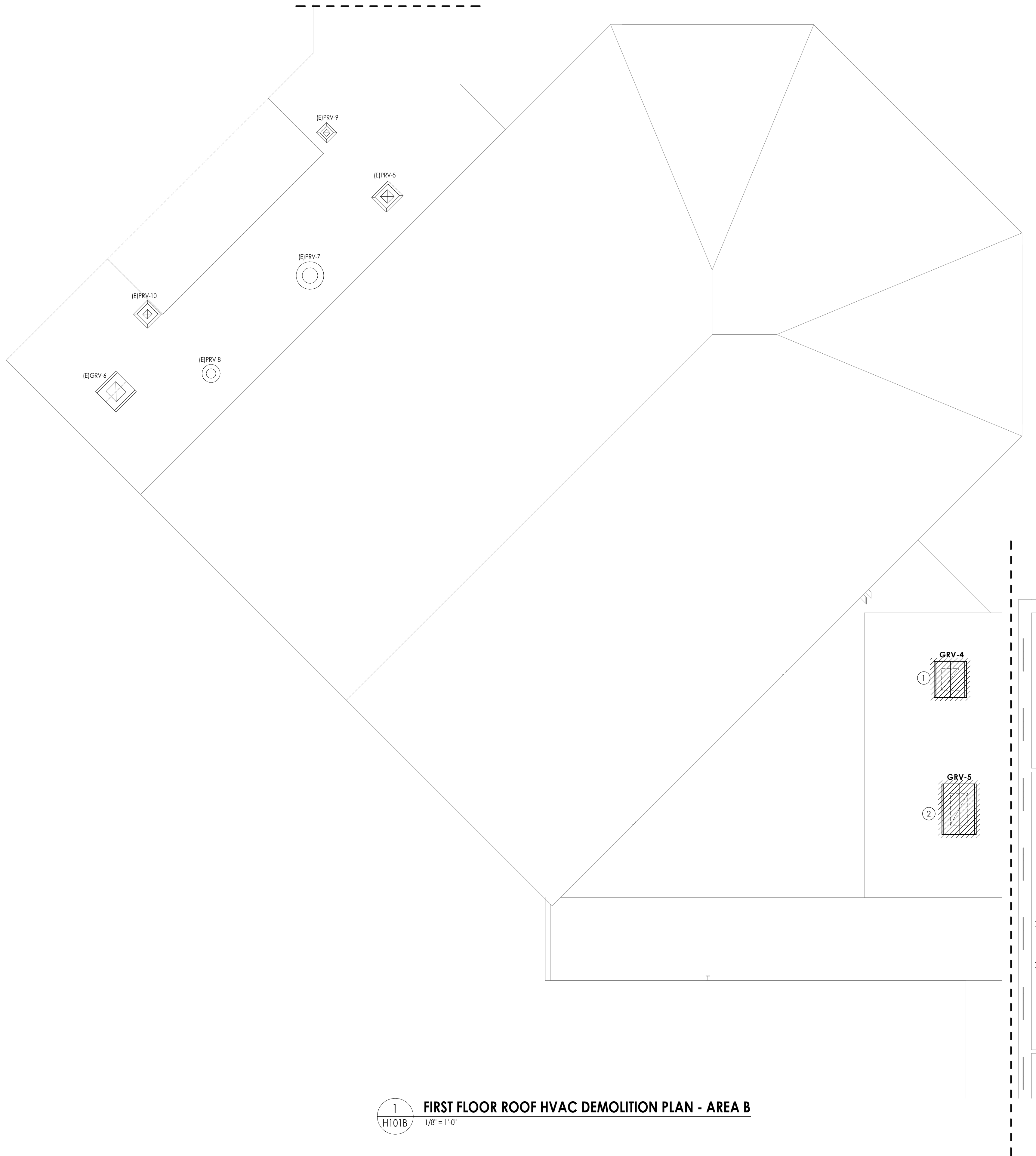
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1/8" = 1'-0"  
**FIRST FLOOR ROOF HVAC DEMOLITION PLAN - AREA B**

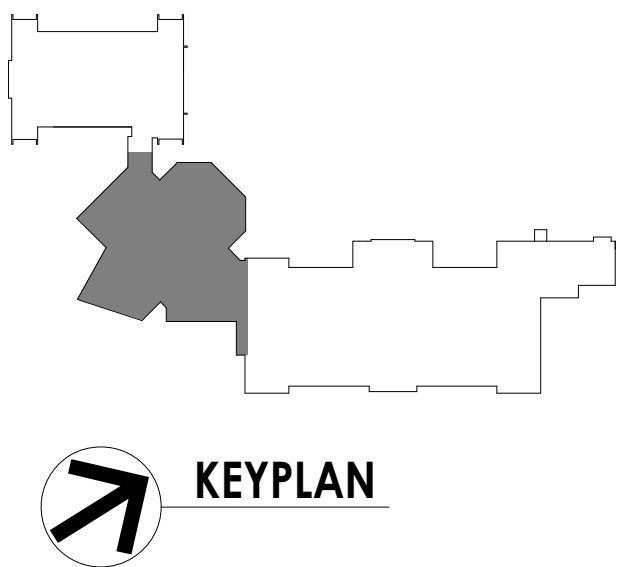
- KEY NOTES**
- 1 REMOVE EXISTING 34X36 GRAVITY RELIEF. PREPARE CURB FOR NEW FAN.
  - 2 REMOVE EXISTING 30X54 GRAVITY RELIEF IN ITS ENTIRETY. REMOVE CURB AND PATCH. PATCH ROOF AND DECK TO MATCH EXISTING CONSTRUCTION. COORDINATE WITH THE OWNER AND EXISTING ROOFING MANUFACTURER TO MAINTAIN WARRANTY ON EXISTING ROOF. ALL WORK TO BE PER NRCA RECOMMENDATION

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PROJECT ISSUE SCHEDULE		
No.	Date	Description

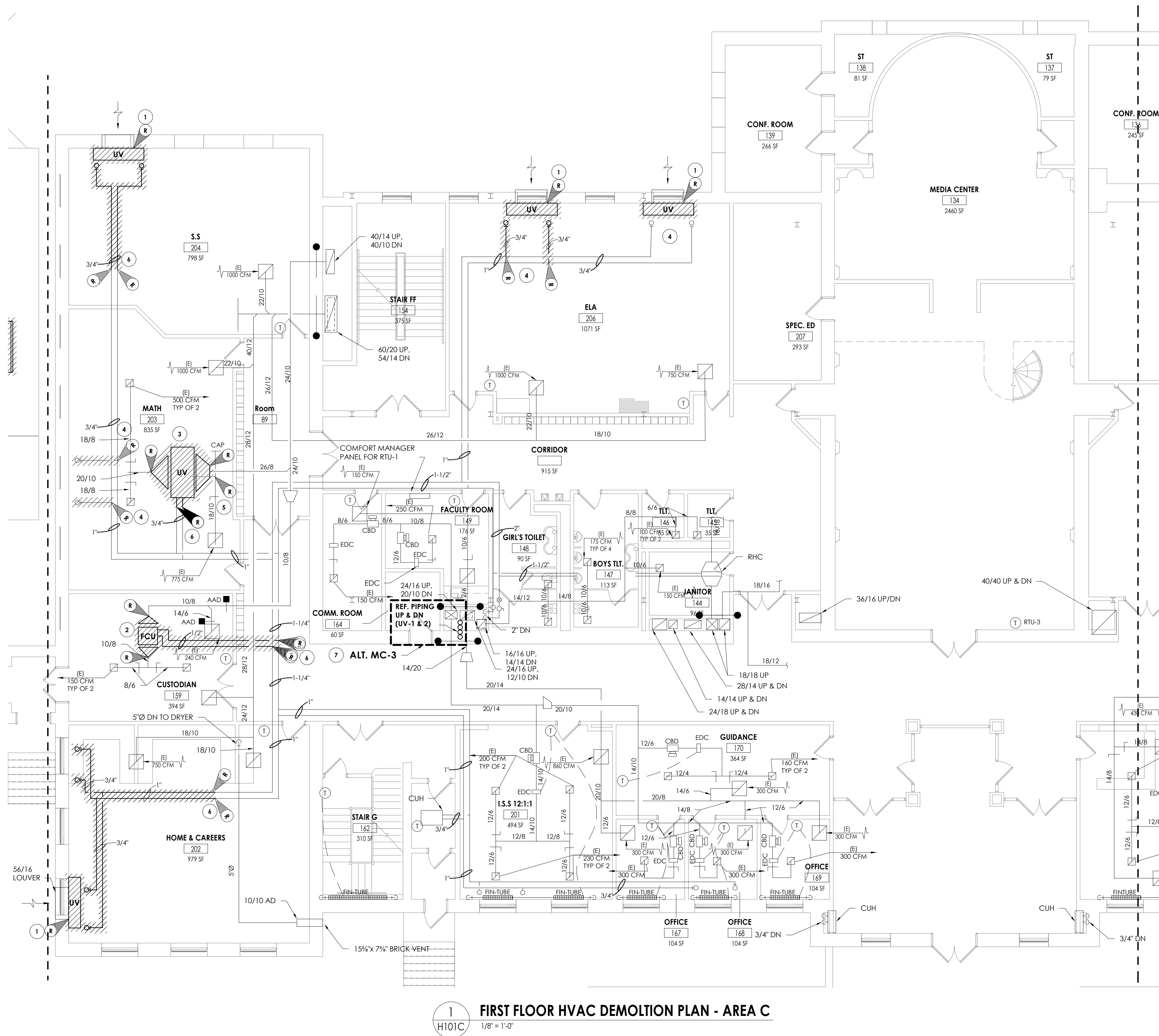
IT IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW AND THE COMMISSIONER'S REGULATIONS FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ARCHITECT, ENGINEER OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY IF AN ITEM BEARING THE SEAL OF AN ARCHITECT, ENGINEER OR SURVEYOR IS ALTERED. THE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

SHEET INFORMATION		
Issued	09/09/2021	Scale As indicated
Project Status	CONSTRUCTION DOCUMENTS	
Drawn By	NRH	Checked By JJM
Drawing Title	FIRST FLOOR ROOF HVAC DEMOLITION PLAN - AREA B	
Drawing Number	HMS H101B	





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#### KEY NOTES

- 1 REMOVE EXISTING UNIT VENTILATOR, OUTDOOR AIR LOUVER AND CONTROL WIRING. SAVE AND PREPARE TO EXTEND WIRING.. PATCH AND REPAIR WALL OPENING.
- 2 REMOVE EXISTING FAN COIL UNIT AND ASSOCIATED DUCTWORK TO POINT INDICATED. SAVE CONTROLS AND PREPARE HHWS/R PIPING AND DUCTWORK FOR RECONNECTION.
- 3 REMOVE EXISTING UNIT VENTILATOR AND ASSOCIATED DUCTWORK TO POINT INDICATED. SAVE CONTROLS AND CONTROL WIRING FOR NEW UNIT. PREPARE HHWS/R PIPING FOR RECONNECTION.
- 4 REMOVE PIPING TO MAIN CAP.
- 5 REMOVE DUCTWORK TO POINT INDICATED AND PREPARE DUCTWORK FOR NEW CONNECTION.
- 6 REMOVE PIPING TO POINT INDICATED AND PREPARE FOR NEW CONNECTION.
- 7 REMOVE EXISTING REFRIGERANT LINES IN ENTIRENTY.
- 8 REMOVE AND SALVAGE FOR REINSTALLATION.

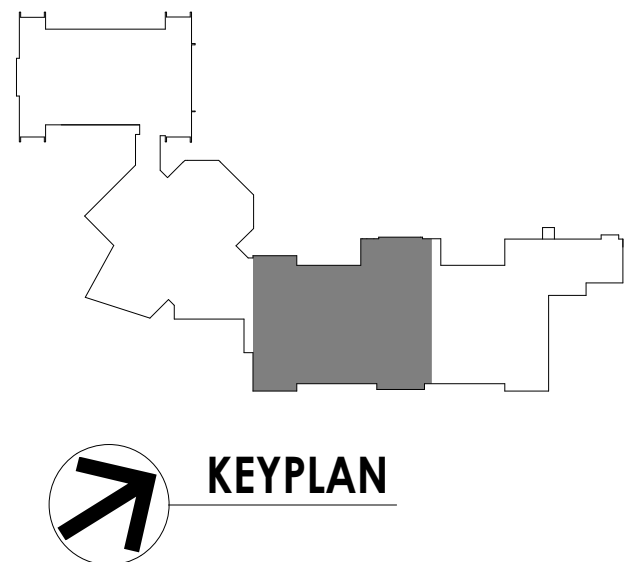
#### PROJECT INFORMATION

Project Number  
13940.18  
Client Name  
**NEWBURGH ENLARGED CITY SCHOOL DISTRICT**  
Project Name  
**PHASE 3: HERITAGE MIDDLE SCHOOL 2019 CAPITAL IMPROVEMENT PROJECT**  
Project Address  
405 Union Avenue, New Windsor, NY 12553  
S&B Number  
44-16-00-01-0-039-011  
PROJECT ISSUE SCHEDULE  
No. Date Description

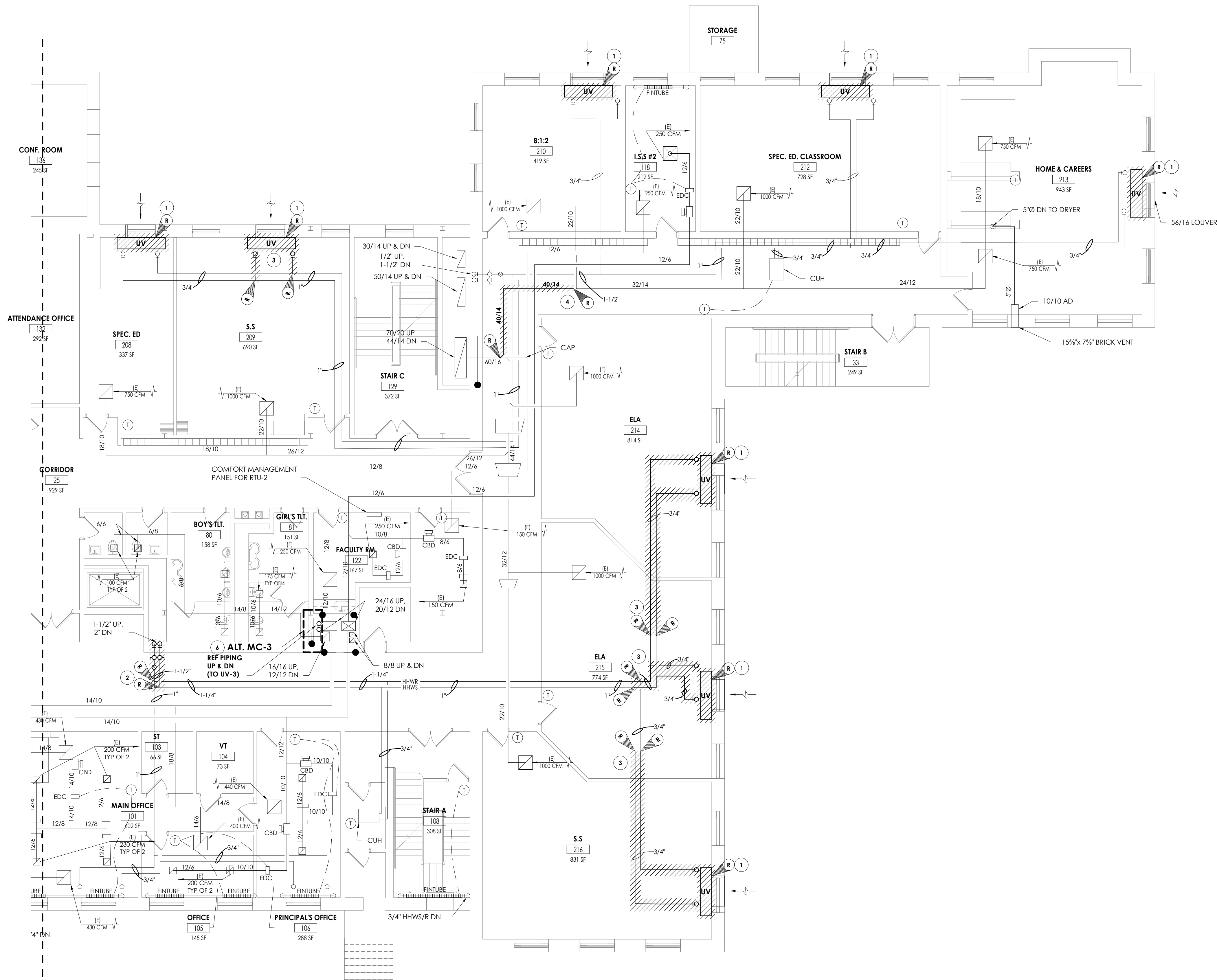
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#### SHEET INFORMATION

Issued  
09/09/2021  
Scale  
As indicated  
Project Status  
CONSTRUCTION DOCUMENTS  
Drawn By  
NRH  
Checked By  
JJM  
Drawing Title  
FIRST FLOOR HVAC DEMOLITION PLAN - AREA C  
Drawing Number  
HMS H101C







1 FIRST FLOOR HVAC DEMOLITION PLAN - AREA D  
H101D 1/8" = 1'-0"

KEY NOTES

- 1 REMOVE EXISTING UNIT VENTILATOR, OUTDOOR AIR LOUVER AND CONTROL WIRING. PATCH AND REPAIR WALL OPENING.
- 2 REMOVE PIPING TO MAIN CAP.
- 3 REMOVE PIPING TO POINT INDICATED AND PREPARE FOR NEW CONNECTION.
- 4 REMOVE 40X14 DUCT AND INSULATION FROM POINT INDICATED. CAP AND SEAL MAIN. PREPARE BRANCH DUCTWORK FOR NEW CONNECTION.
- 5 REMOVE 30X14 RELIEF AIR RISER FROM THIS POINT TO RELIEF PLENUM IN ATTIC.
- 6 REMOVE EXISTING REFRIGERANT PIPING IN ITS ENTIRETY.

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50 FRONT ST, SUITE 202  
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PROJECT INFORMATION

Project Number  
13940.18  
Client Name  
**NEWBURGH ENLARGED CITY  
SCHOOL DISTRICT**  
Project Name  
**PHASE 3: HERITAGE MIDDLE  
SCHOOL 2019 CAPITAL  
IMPROVEMENT PROJECT**

Project Address  
405 Union Avenue, New Windsor, NY 12553

SED Number  
44-16-00-01-0-039-011

PROJECT ISSUE SCHEDULE

No. Date Description

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SHEET INFORMATION

Issued  
09/09/2021  
Project Status  
**CONSTRUCTION DOCUMENTS**  
Drawn By  
NRH  
Drawing Title  
FIRST FLOOR HVAC DEMOLITION  
PLAN - AREA D

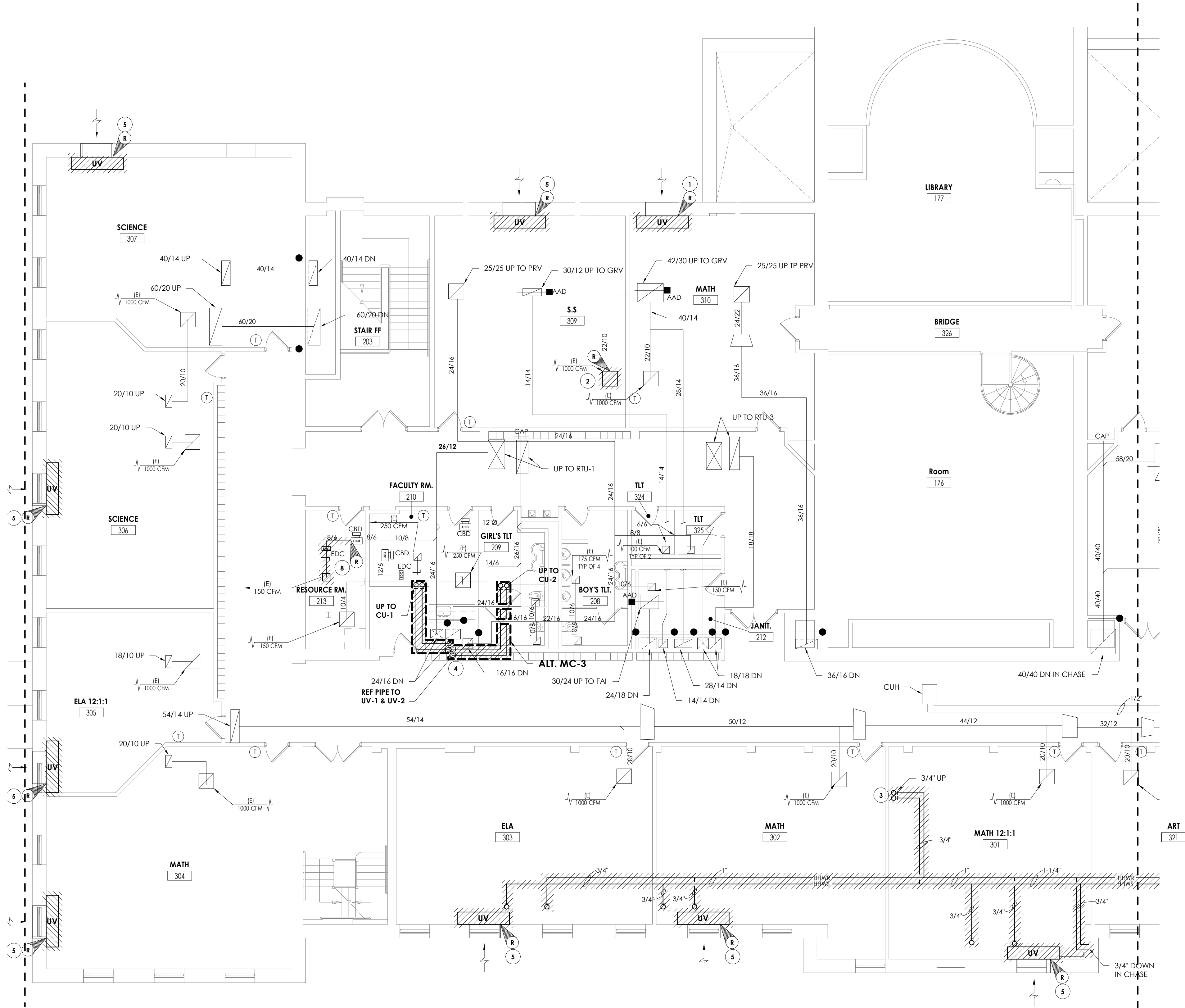
Drawing Number

HMS  
H101D





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1 SECOND FLOOR HVAC DEMOLITION PLAN - AREA C  
H102C 1/8" = 1'-0"

- KEY NOTES**
- 1 REMOVE EXISTING UNIT VENTILATOR, OUTDOOR AIR LOUVER AND CONTROL WIRING. PATCH AND REPAIR OPENING.
  - 2 REMOVE EXISTING FAN COIL UNIT AND ASSOCIATED DUCTWORK TO POINT INDICATED. SAVE CONTROLS AND PREPARE HHWS/R PIPING AND DUCTWORK FOR RECONNECTION.
  - 3 REMOVE EXISTING UNIT VENTILATOR AND ASSOCIATED DUCTWORK TO POINT INDICATED. SAVE CONTROLS AND PREPARE HHWS/R PIPING FOR RECONNECTION.
  - 4 REMOVE PIPING TO MAIN CAP.
  - 5 REMOVE DUCTWORK TO POINT INDICATED AND PREPARE DUCTWORK FOR NEW CONNECTION.
  - 6 REMOVE PIPING TO POINT INDICATED AND PREPARE FOR NEW CONNECTION.
  - 7 REMOVE EXISTING REFRIGERANT LINES IN ENTIREITY.
  - 8

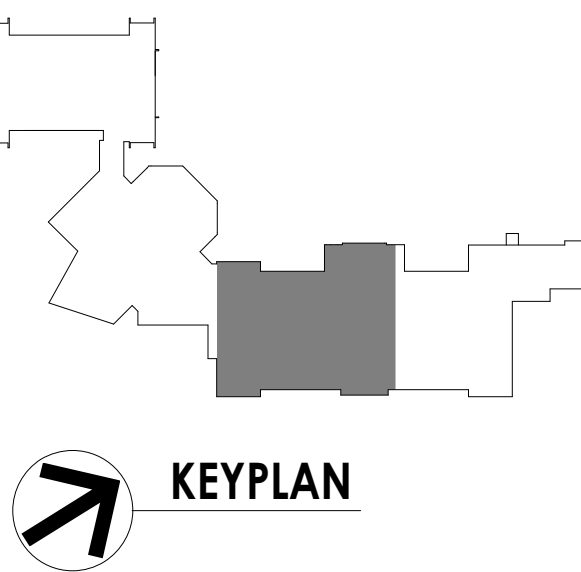
**CPL | Architecture Engineering Planning**  
50 FRONT ST. SUITE 202  
NEWBURGH, NY 12550  
CPLteam.com

**PROJECT INFORMATION**  
Project Number  
13940.18  
Client Name  
**NEWBURGH ENLARGED CITY SCHOOL DISTRICT**  
Project Name  
**PHASE 3: HERITAGE MIDDLE SCHOOL 2019 CAPITAL IMPROVEMENT PROJECT**  
Project Address  
405 Union Avenue, New Windsor, NY 12553  
SED Number  
44-16-00-01-0-039-011  
**PROJECT ISSUE SCHEDULE**  
No. Date Description

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**SHEET INFORMATION**  
Issued  
09/09/2021  
Project Status  
CONSTRUCTION DOCUMENTS  
Drawn By  
NRH  
Checked By  
JJM  
Drawing Title  
SECOND FLOOR HVAC DEMOLITION PLAN - AREA C  
Drawing Number

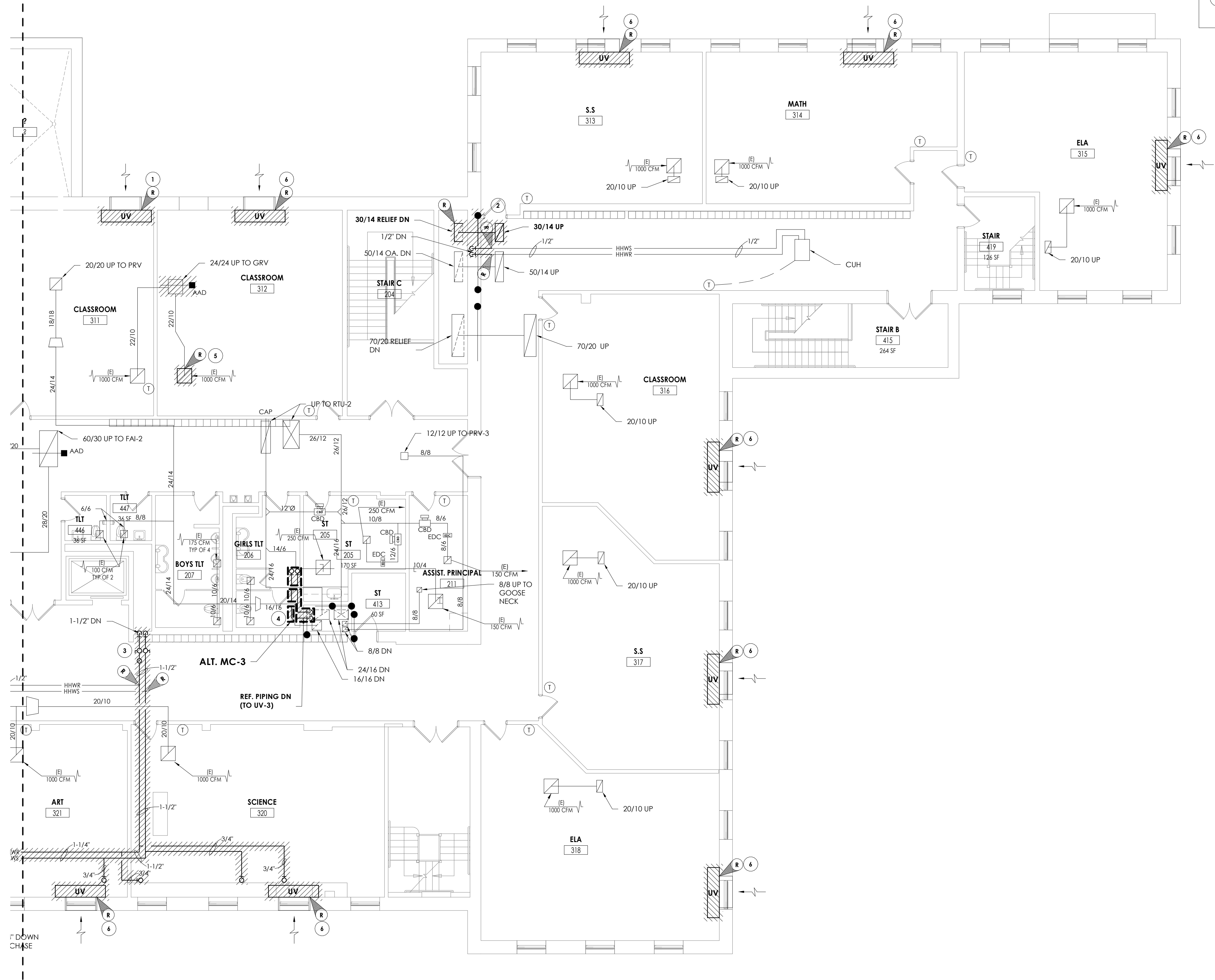
HMS  
H102C



KEYPLAN



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1 SECOND FLOOR HVAC DEMOLITION PLAN - AREA D  
H102D 1/8" = 1'-0"

KEY NOTES

- 1 REMOVE EXISTING UNIT VENTILATOR. SAVE OUTDOOR AIR LOUVER AND CONTROL WIRING FOR NEW UNIT. PREPARE HHWS/R PIPING FOR RECONNECTION.
- 2 REMOVE 30x14 RELIEF AIR RISER FROM THIS POINT TO RELIEF PLENUM IN ATTIC
- 3 REMOVE HHWS/R PIPING AND PREPARE FORE NEW PIPING.
- 4 REMOVE RSL/RL PIPING AND CAP.
- 5 REMOVE EXISTING RELIEF DUCTWORK AND PREPARE FOR NEW DUCTWORK.
- 6 REMOVE EXISTING UNIT VENTILATOR. SAVE OUTDOOR AIR LOUVER AND CONTROL WIRING FOR NEW UNIT.

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NEWBURGH, NY 12550  
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PROJECT INFORMATION

Project Number  
13940.18  
Client Name  
NEWBURGH ENLARGED CITY  
SCHOOL DISTRICT  
Project Name  
PHASE 3: HERITAGE MIDDLE  
SCHOOL 2019 CAPITAL  
IMPROVEMENT PROJECT

Project Address  
405 Union Avenue, New Windsor, NY 12553

SED Number  
44-16-00-01-0-039-011

PROJECT ISSUE SCHEDULE

No. Date Description

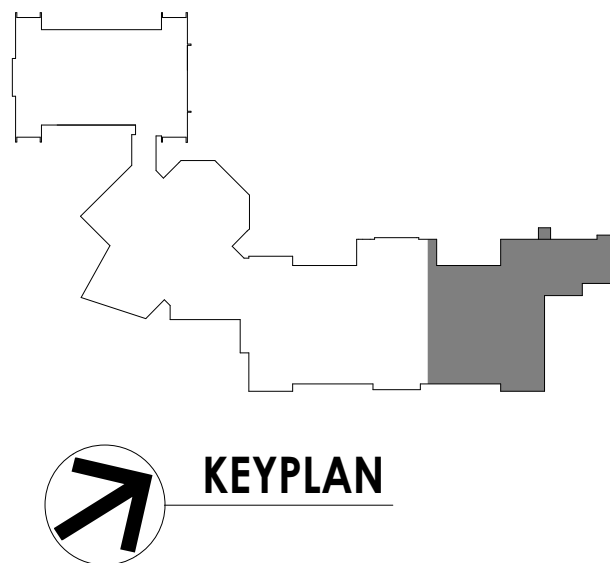
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SHEET INFORMATION

Issued  
09/09/2021  
Scale  
As indicated  
Project Status  
CONSTRUCTION DOCUMENTS  
Drawn By  
NRH  
Checked By  
JJM  
Drawing Title  
SECOND FLOOR HVAC  
DEMOLITION PLAN - AREA D

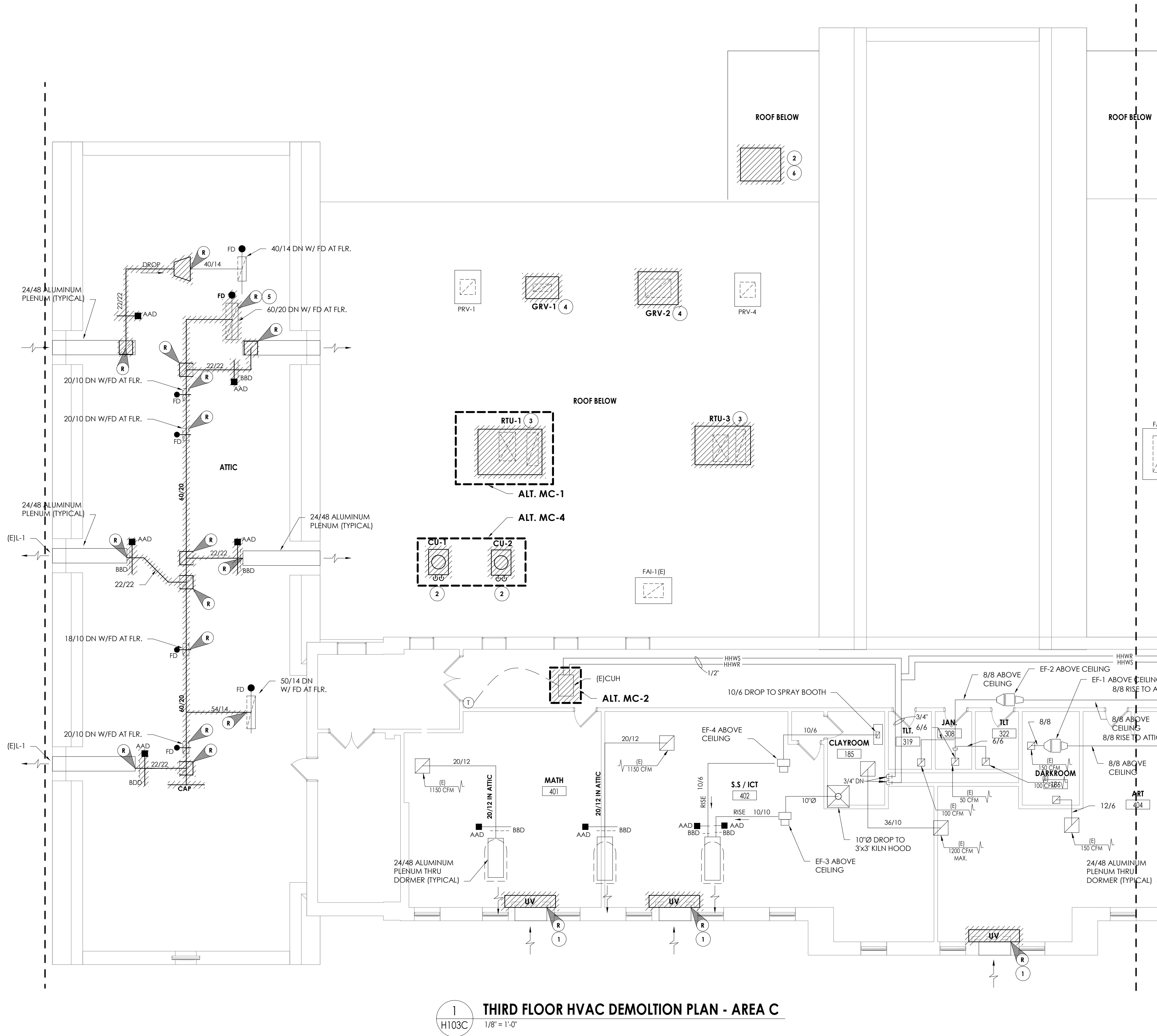
Drawing Number

HMS  
H102D





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GENERAL NOTES

1. PRIOR TO CLOSEOUT, SUBMIT ROOFING MAUFACTURER'S WRITTEN APPROVAL OF ALL ROOFING WORK.

KEY NOTES

- 1 REMOVE EXISTING UNIT VENTILATOR, SAVE OUTDOOR AIR LOUVER AND CONTROL WIRING FOR NEW UNIT.
- 2 REMOVE EXISTING CONDENSING UNIT. PRIOR TO REMOVAL, DRAIN ALL PIPING AND DISPOSE OF ALL REFRIGERANT PER THE LATEST ADAPTED RULES AND REGULATIONS BY THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY (EPA). CONTRACTOR OR TECHNICIAN PERFORMING THE WORK SHALL BE AN EPA APPROVED AGENCY OR ORGANIZATION.
- 3 REMOVE EXISTING ROOF TOP UNIT (RTU) AND CURB IN ITS ENTIRETY. SAVE CONTROLS CONNECTION. PREPARE FOR NEW FAN.
- 4 REMOVE EXISTING RELIEF HOOD. PREPARE CURB FOR NEW FAN.
- 5 REMOVE RELIEF AIR DUCT MAIN. DISCONNECT AT POINTS INDICATED. PREPARE REMAINING DUCTS FOR RE-CONNECTION.
- 6 REMOVE EXISTING SPLIT SYSTEM COMPRESSOR ON ROOF. REMOVE ALL ASSOCIATED PIPING AND BRACING TO ALLOW FOR ROOF WORK. SAVE ALL EQUIPMENT FOR REINSTALLATION.

PROJECT INFORMATION

Project Number  
13940.18  
Client Name

**NEWBURGH ENLARGED CITY  
SCHOOL DISTRICT**

Project Name  
**PHASE 3: HERITAGE MIDDLE  
SCHOOL 2019 CAPITAL  
IMPROVEMENT PROJECT**

Project Address  
405 Union Avenue, New Windsor, NY 12553

SED Number  
44-16-00-01-0-039-011

PROJECT ISSUE SCHEDULE

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Scale  
As indicated

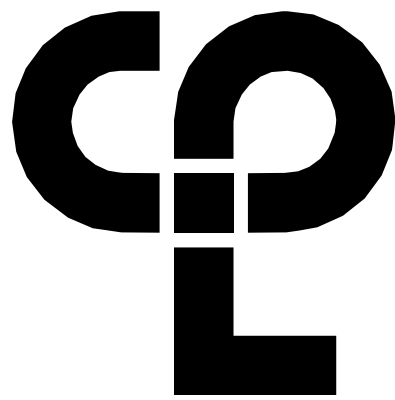
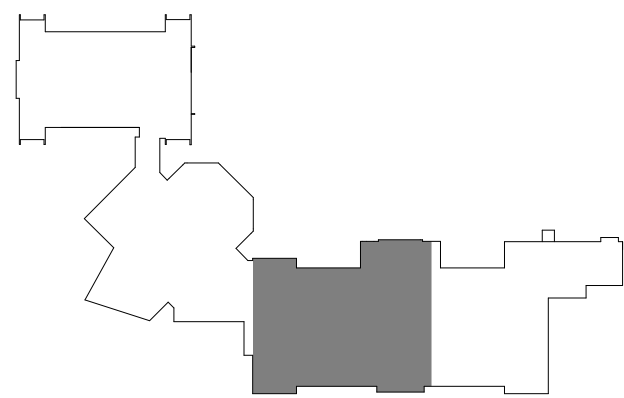
Project Status  
CONSTRUCTION DOCUMENTS

Drawn By  
NRH  
Checked By  
JJM

Drawing Title  
THIRD FLOOR HVAC DEMOLITION  
PLAN - AREA C

Drawing Number

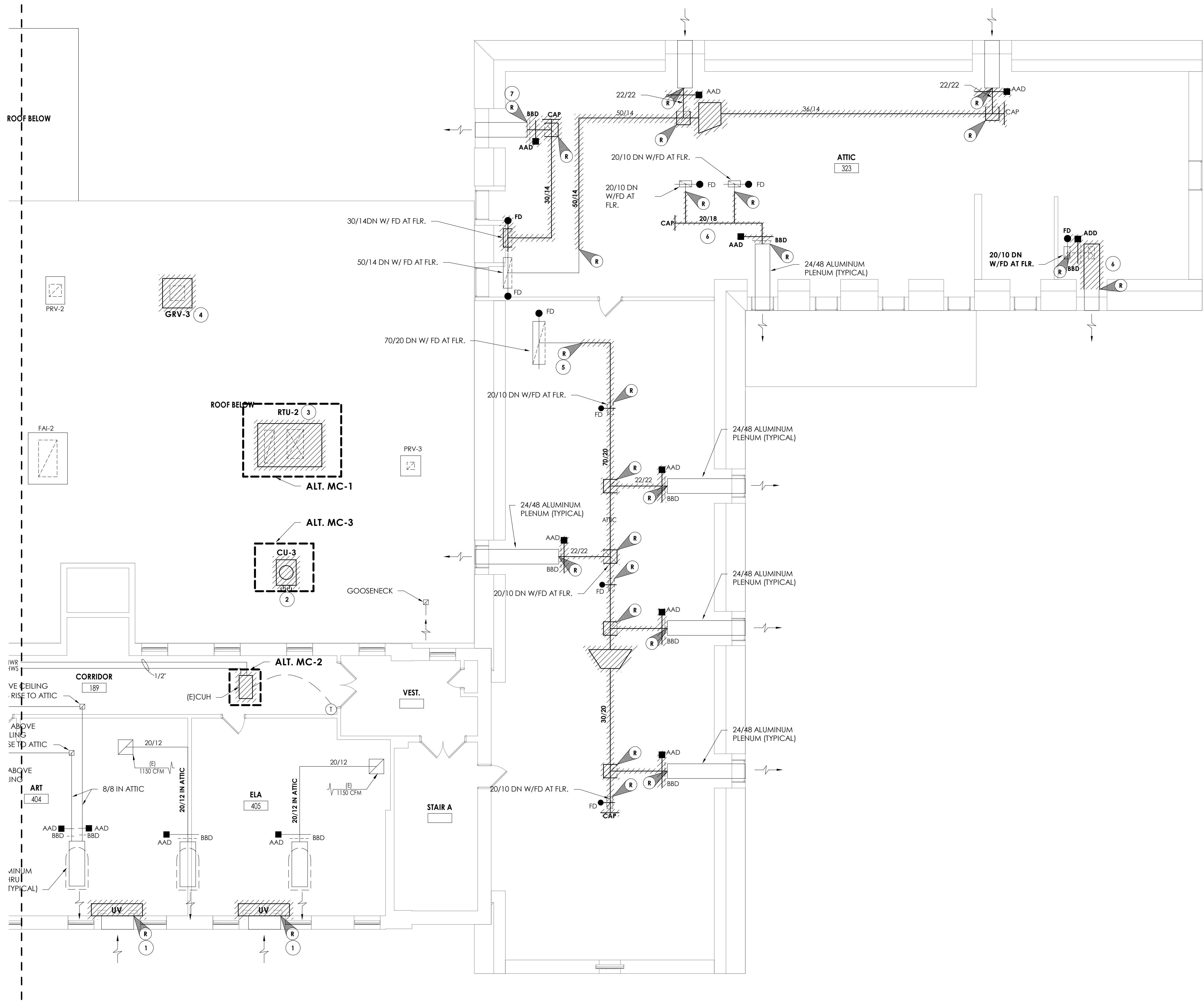
HMS  
H103C



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1 THIRD FLOOR HVAC DEMOLITION PLAN - AREA D  
H103D 1/8" = 1'-0"

GENERAL NOTES

1. PRIOR TO CLOSEOUT, SUBMIT ROOFING MAUFACTURER'S WRITTEN APPROVAL OF ALL ROOFING WORK.

KEY NOTES

- 1 REMOVE EXISTING UNIT VENTILATOR, SAVE OUTDOOR AIR LOUVER AND CONTROL WIRING FOR NEW UNIT.
- 2 REMOVE EXISTING CONDENSING UNIT. PRIOR TO REMOVAL, DRAIN ALL PIPING AND DISPOSE OF ALL REFRIGERANT PER THE LATEST ADAPTED RULES AND REGULATIONS BY THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY (EPA). CONTRACTOR OR TECHNICIAN PERFORMING THE WORK SHALL BE AN EPA APPROVED AGENCY OR ORGANIZATION.
- 3 REMOVE EXISTING ROOF TOP UNIT (RTU) IN ITS ENTIRETY. SAVE CONTROLS CONNECTION. PREPARE FOR NEW CURB.
- 4 REMOVE EXISTING RELIEF HOOD. PREPARE ROOF FOR NEW FAN AND CURB.
- 5 REMOVE RELIEF AIR DUCT MAIN. DISCONNECT AT POINTS INDICATED. PREPARE REMAINING DUCTS FOR RE-CONNECTION.
- 6 REMOVE DUCTWORK TO POINTS INDICATED. PREPARE DUCT FOR NEW FAN AND RECONNECTION.
- 7 REMOVE 30x14 RELIEF AIR RISER FROM THIS POINT TO RELIEF PLENUM IN ATTIC.

PROJECT INFORMATION

Project Number  
13940.18  
Client Name

NEWBURGH ENLARGED CITY  
SCHOOL DISTRICT

Project Name  
PHASE 3: HERITAGE MIDDLE  
SCHOOL 2019 CAPITAL  
IMPROVEMENT PROJECT

Project Address  
405 Union Avenue, New Windsor, NY 12553

SED Number  
44-16-00-01-0-039-011

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SHEET INFORMATION

Issued  
09/09/2021  
Scale  
As indicated

Project Status  
CONSTRUCTION DOCUMENTS

Drawn By  
NRH  
Checked By  
JJM

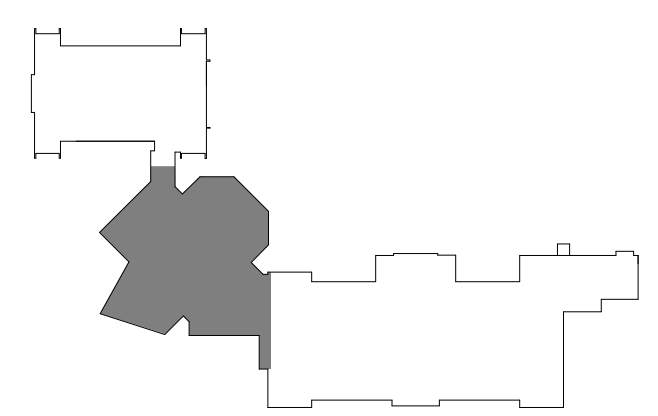
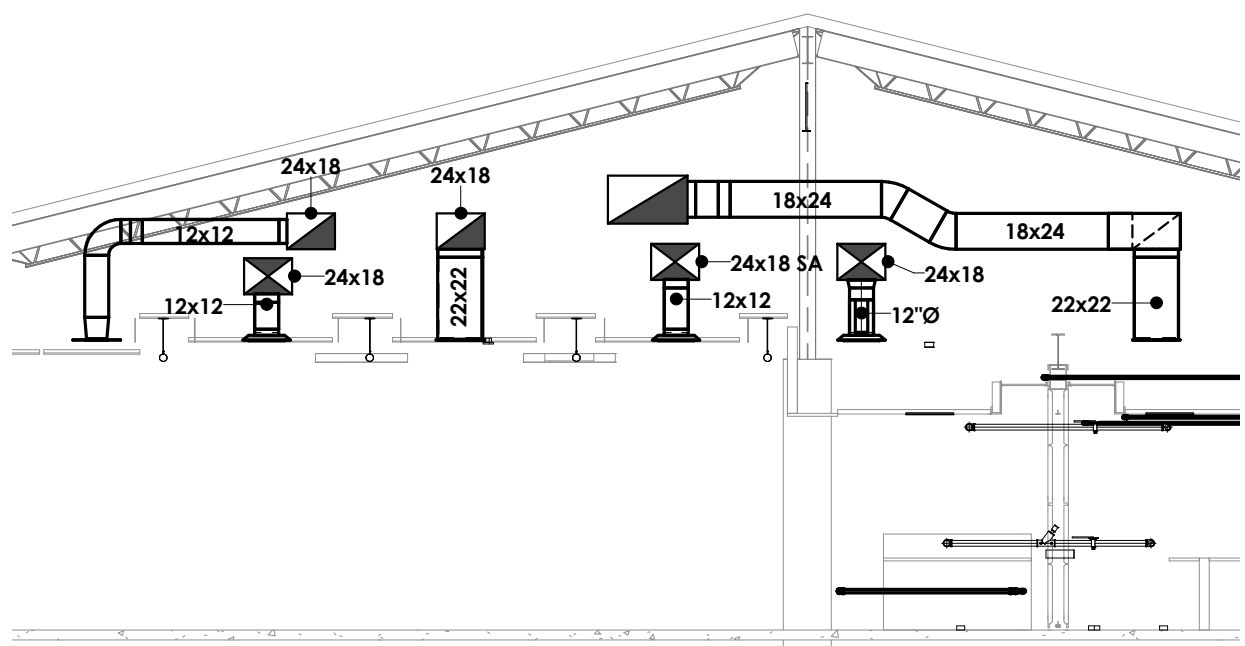
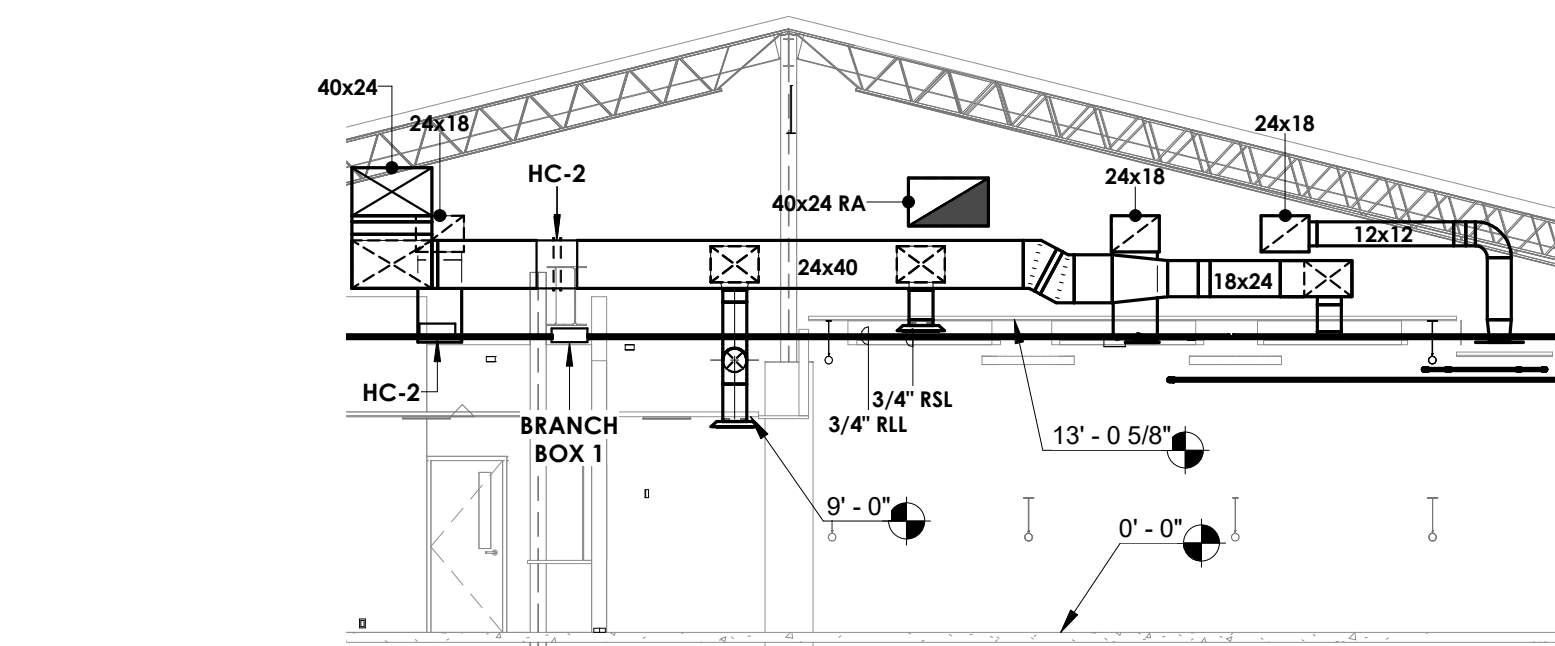
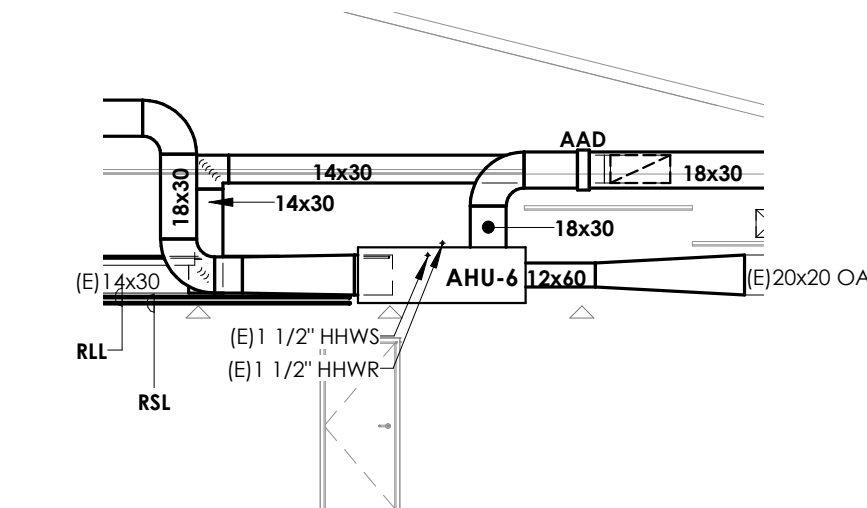
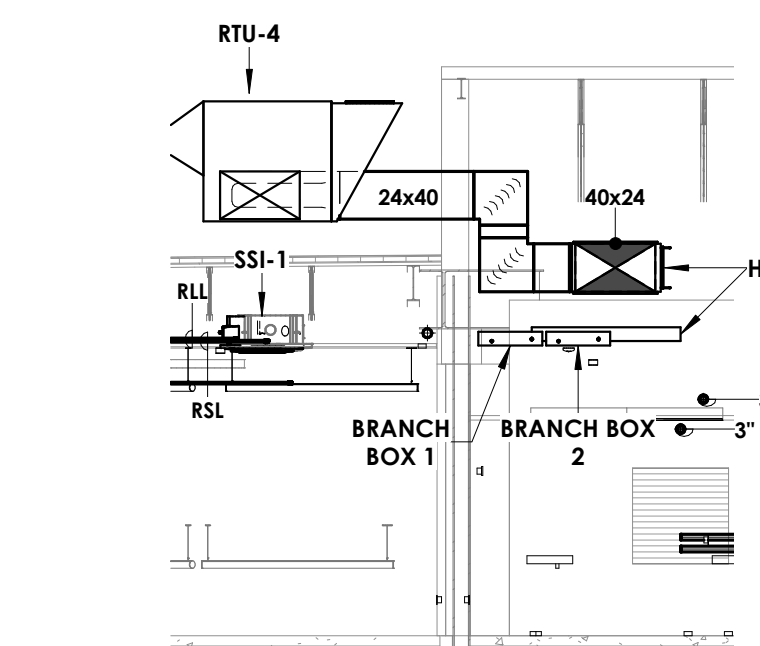
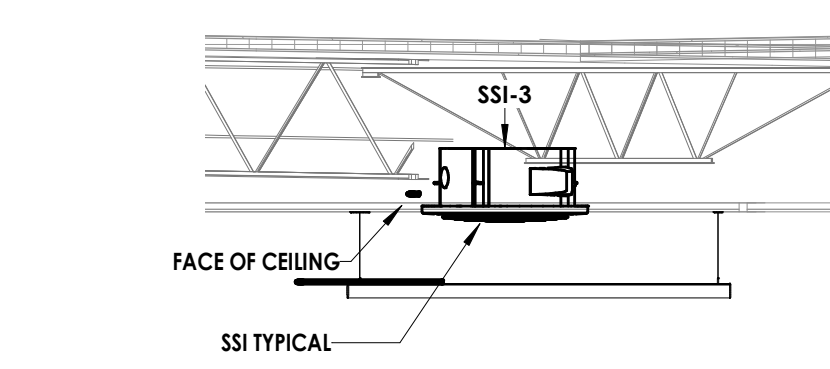
Drawing Title  
THIRD FLOOR HVAC DEMOLITION  
PLAN - AREA D

Drawing Number

HMS  
H103D







- ## KEY NOTES
- 1 MOUNT UNIT VENTILATOR ABOVE CEILING. COORDINATE WITH ANY CEILING UTILITIES. MAINTAIN ACCESS FOR FILTER CHANGES. ALL SUPPLY AND RETURN DUCTWORK SHALL BE LINED. EXTEND EXISTING CONTROLS TO NEW UNIT LOCATION.
  - 2 PROVIDE NEW AIR HANDLING UNIT ABOVE CEILING. PROVIDE VIBRATION ISOLATION. CONNECT DUCTWORK TO POINTS INDICATED. COORDINATE UNIT SERVICE ACCESS WITH ABOVE CEILING STRUCTURE.
  - 3 24X36 OUTDOOR AIR DUCT UPTO GV-1 ON SLOPED ROOF.
  - 4 MOUNT VRF UNIT TIGHT TO STRUCTURE. VRF SHALL BE PROVIDED WITH SQUARE CASING. COORDINATE WITH ARCHITECTURAL CEILING GRID AND LIGHTING.
  - 5 MOUNT ENERGY RECOVERY UNIT ON ROOF CURB. MC TO PROVIDE CURB. COORDINATE DUCT ROUTING WITH STRUCTURAL STEEL.
  - 6 COORDINATE NEW DUCTWORK WITH NEW DIVIDER.
  - 7 CEILING COORDINATE WITH ARCHITECTS.
  - 8 PROVIDE OPENING FOR NEW SUPPLY AND RETURN DUCTWORK. PROVIDE WATER TIGHT FLASHING.



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PROJECT ISSUE SCHEDULE		
No.	Date	Description

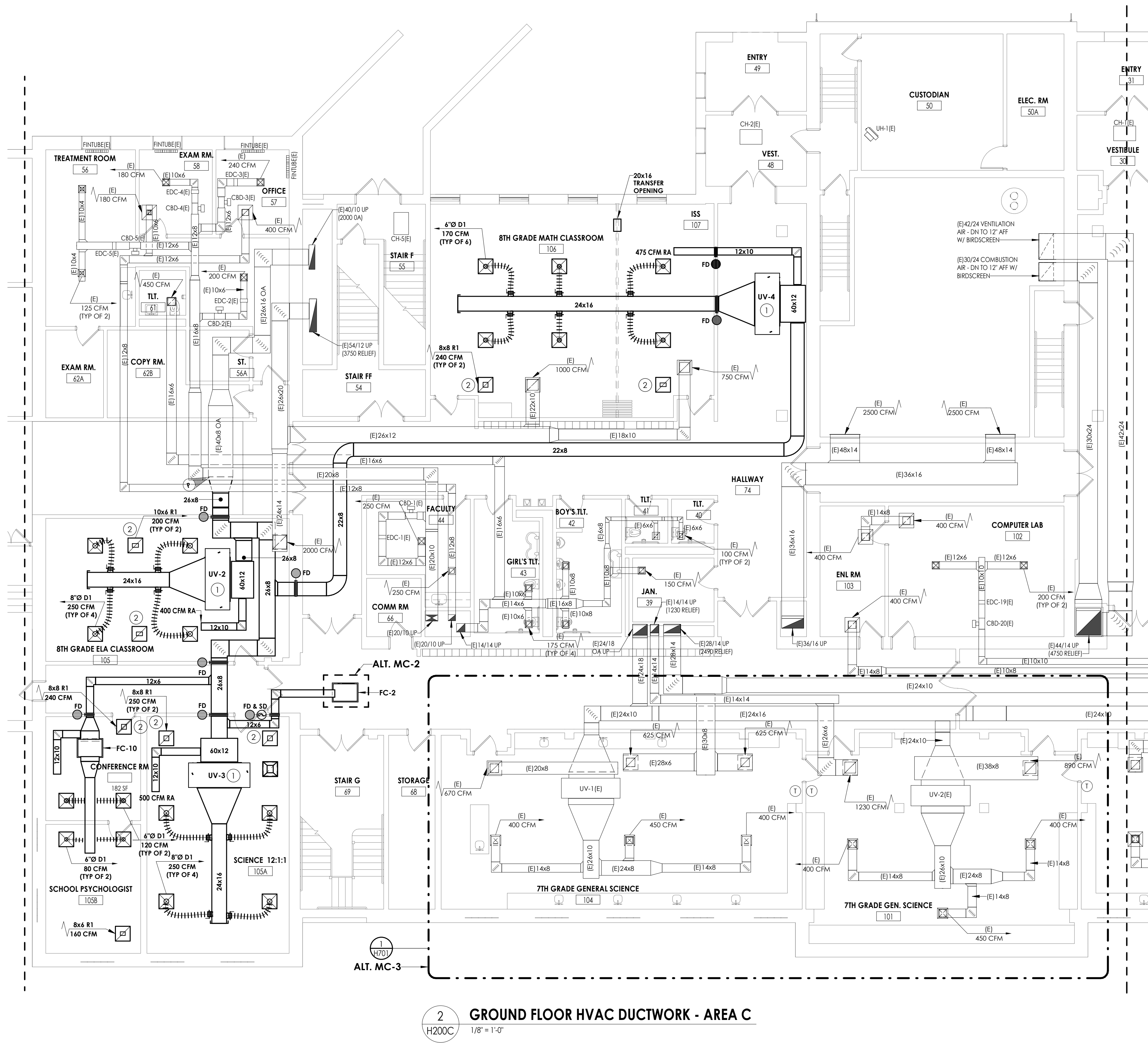
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SHEET INFORMATION	
Issued	Scale
09/09/2021	As indicated
Project Status	
CONSTRUCTION DOCUMENTS	
Drawn By	Checked By
NRH	JJM
Drawing Title	
GROUND FLOOR HVAC DUCTWORK PLAN - AREA B	

Drawing Number

HMS  
H200B





2 GROUND FLOOR HVAC DUCTWORK - AREA C  
H200C 1/8" = 1'-0"

KEY NOTES

- 1 MOUNT UNIT VENTILATOR ABOVE CEILING. COORDINATE WITH ANY CEILING UTILITIES. MAINTAIN ACCESS FOR FILTER CHANGES. ALL SUPPLY AND RETURN DUCTWORK SHALL BE UNED. EXTEND EXISTING CONTROLS TO NEW UNIT LOCATION.
- 2 PLENUM RETURN.

PROJECT INFORMATION

Project Number  
13940.18  
Client Name  
NEWBURGH ENLARGED CITY  
SCHOOL DISTRICT  
Project Name  
PHASE 3: HERITAGE MIDDLE  
SCHOOL 2019 CAPITAL  
IMPROVEMENT PROJECT  
Project Address  
405 Union Avenue, New Windsor, NY 12553  
SED Number  
44-16-00-01-0-039-011

PROJECT ISSUE SCHEDULE

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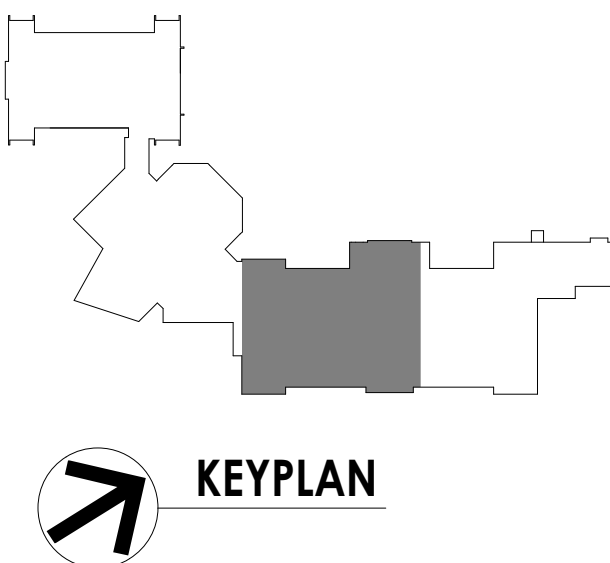
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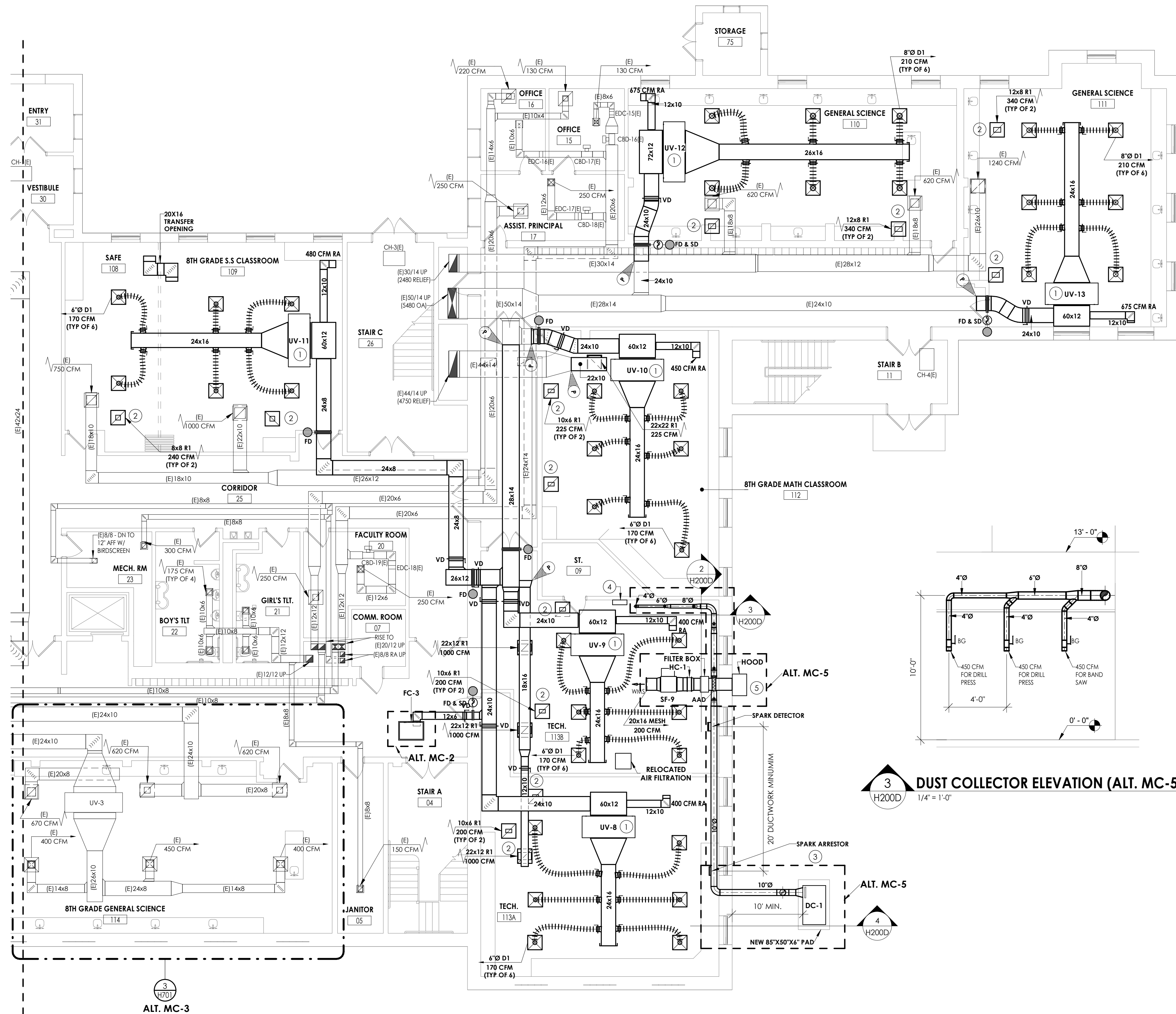
SHEET INFORMATION

Issued  
09/09/2021  
Scale  
As indicated  
Project Status  
CONSTRUCTION DOCUMENTS  
Drawn By  
NRH  
Checked By  
JJM  
Drawing Title  
GROUND FLOOR HVAC  
DUCTWORK PLAN - AREA C

Drawing Number

HMS  
H200C

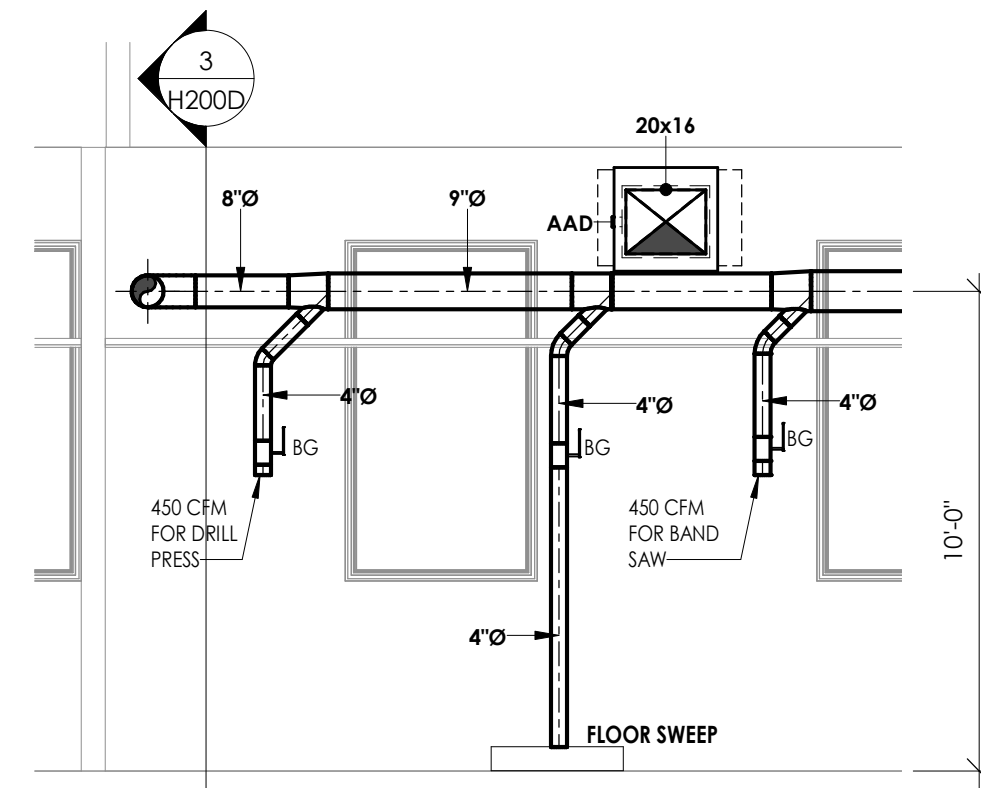




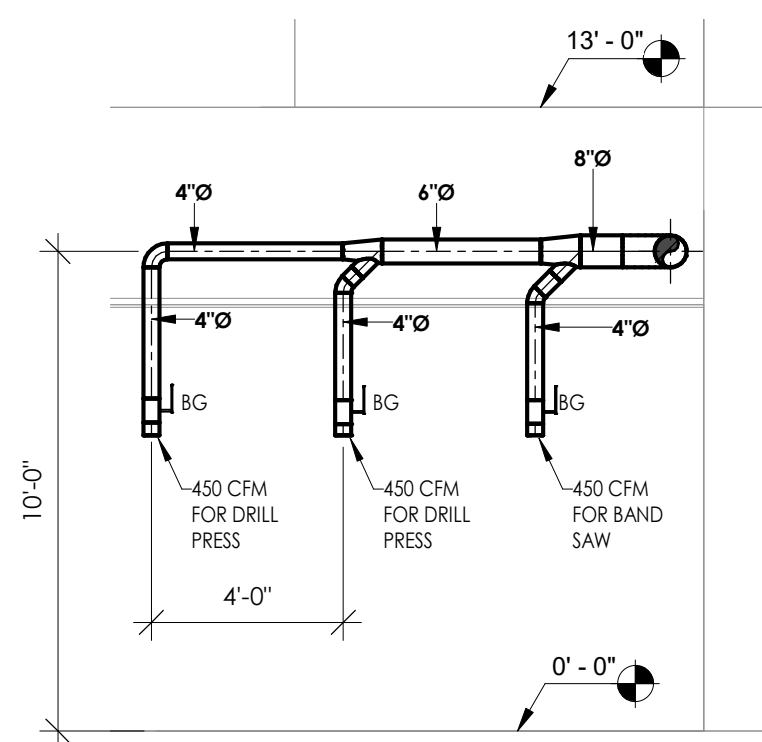
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H200D  
GROUND FLOOR HVAC DUCTWORK - AREA D  
1/8" = 1'-0"

KEY NOTES

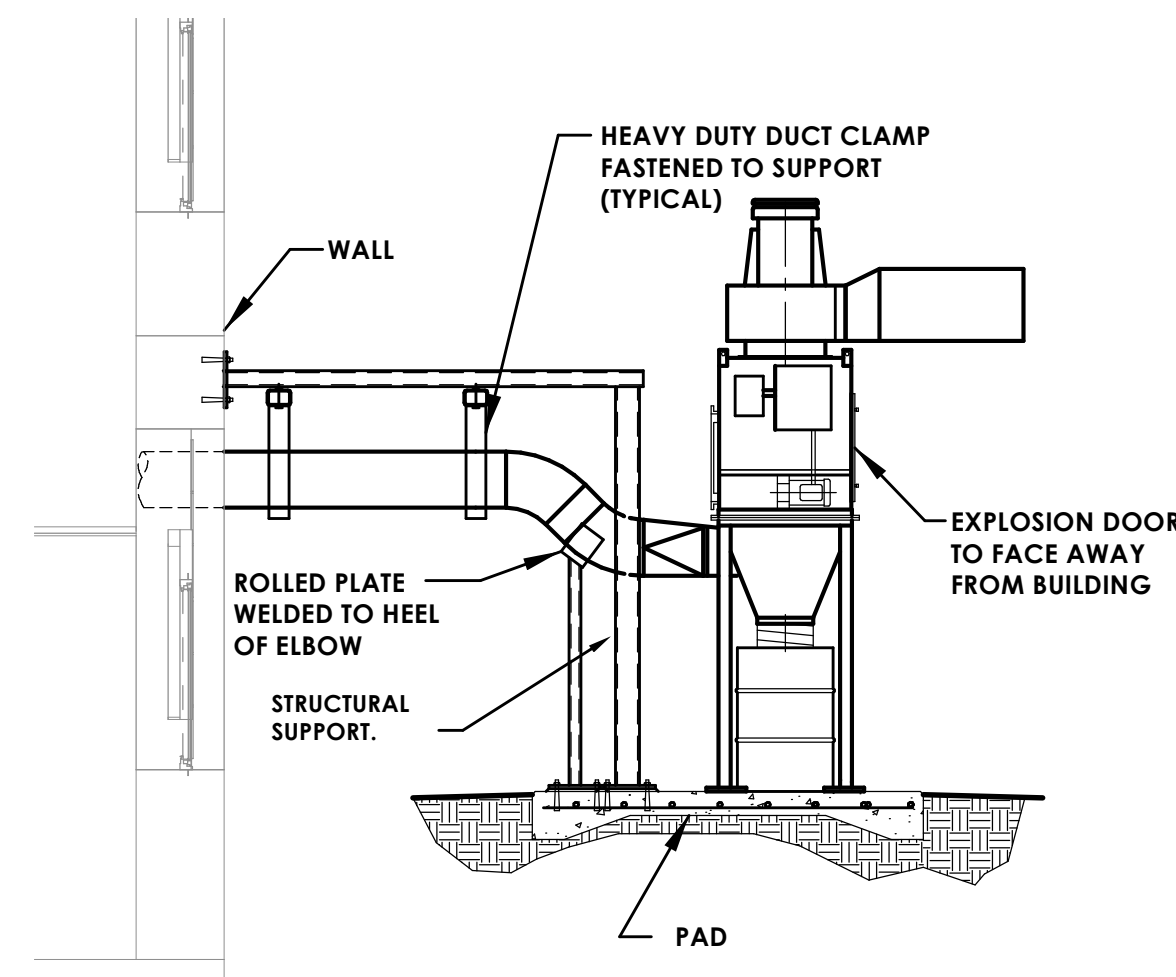
- 1 MOUNT UNIT VENTILATOR ABOVE CEILING. COORDINATE WITH ANY CEILING UTILITIES. MAINTAIN ACCESS FOR FILTER CHANGES. ALL SUPPLY AND RETURN DUCTWORK SHALL BE LINED. EXTEND EXISTING CONTROLS TO NEW UNIT LOCATION.
- 2 PLENUM RETURN.
- 3 ROUTE DUST COLLECTOR MAIN AS HIGH AS POSSIBLE BELOW CEILING. COORDINATE WITH MAKE-UP AIR FAN, COIL AND DUCTWORK.
- 4 MOUNT DUST COLLECTOR CONTROL PANEL 45" AFF.
- 5 HOOD COLOR SHALL MATCH EXISTING EXTERIOR BRICK COLOR. PROVIDE WITH A 36X24 HOOD. BLAST GATES SHALL BE PROVIDED AT EVERY TOOL DROP.



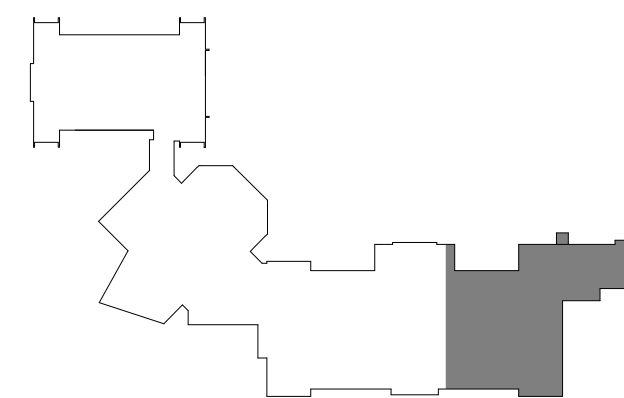
2  
H200D  
DUST COLLECTOR SECTION (ALT. MC-5)  
1/4" = 1'-0"



3  
H200D  
DUST COLLECTOR ELEVATION (ALT. MC-5)  
1/4" = 1'-0"



4  
H200D  
DUST COLLECTOR ELEVATION (ALT MC-5)  
1/4" = 1'-0"



PROJECT INFORMATION

Project Number  
13940.18  
Client Name  
**NEWBURGH ENLARGED CITY SCHOOL DISTRICT**  
Project Name  
**PHASE 3: HERITAGE MIDDLE SCHOOL 2019 CAPITAL IMPROVEMENT PROJECT**

Project Address  
405 Union Avenue, New Windsor, NY 12553

SED Number  
44-16-00-01-0-039-011

PROJECT ISSUE SCHEDULE

No. Date Description

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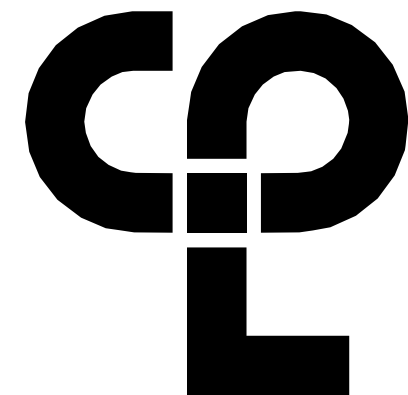
SHEET INFORMATION

Issued  
09/09/2021  
Project Status  
CONSTRUCTION DOCUMENTS  
Drawn By  
NRH  
Drawing Title  
GROUND FLOOR HVAC DUCTWORK PLAN - AREA D

Drawing Number

HMS  
H200D





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#### PROJECT INFORMATION

Project Number  
13940.18  
Client Name

#### NEWBURGH ENLARGED CITY SCHOOL DISTRICT

#### PHASE 3: HERITAGE MIDDLE SCHOOL 2019 CAPITAL IMPROVEMENT PROJECT

Project Address  
405 Union Avenue, New Windsor, NY 12553

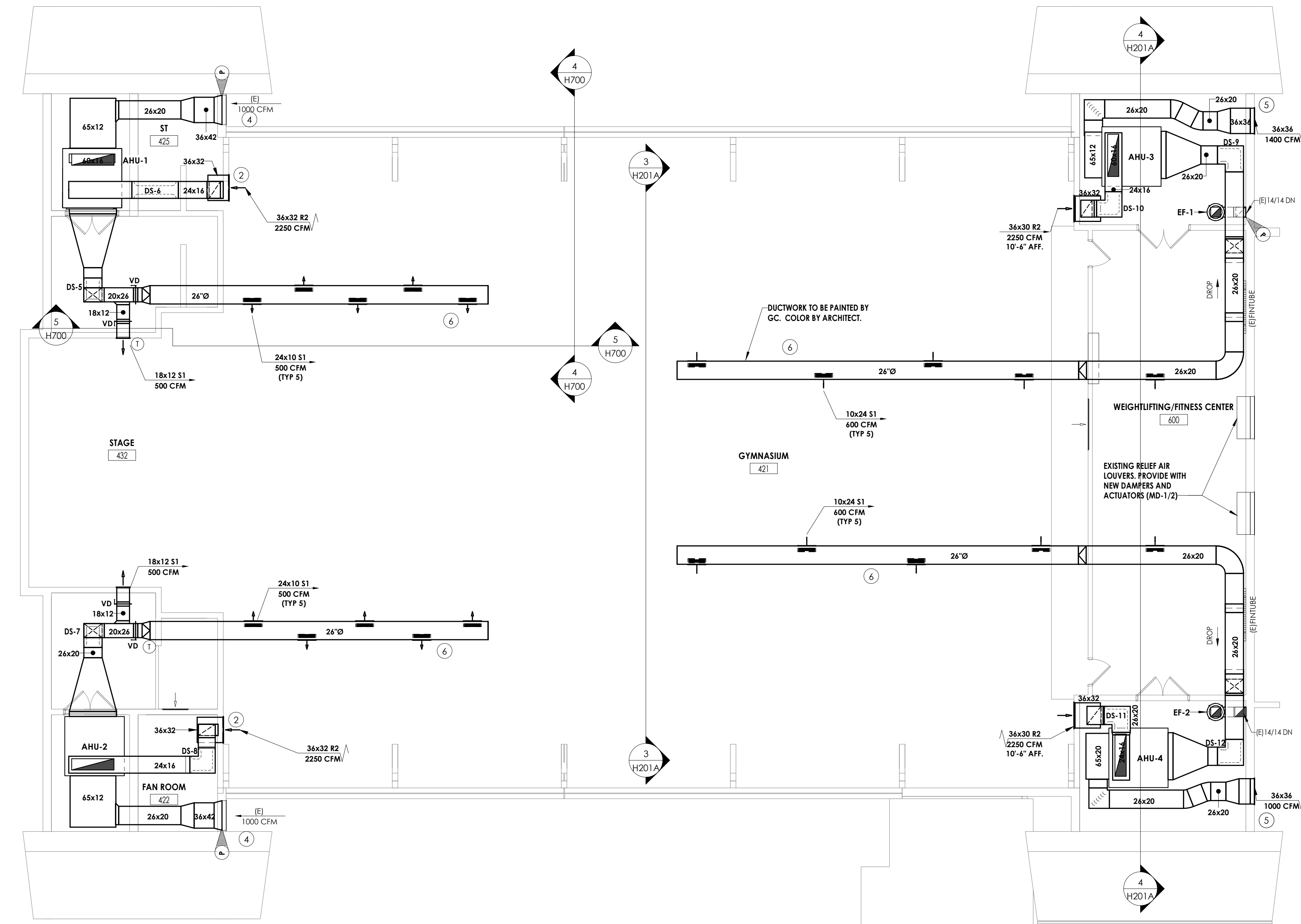
SED Number  
44-16-00-01-0-039-011

#### PROJECT ISSUE SCHEDULE

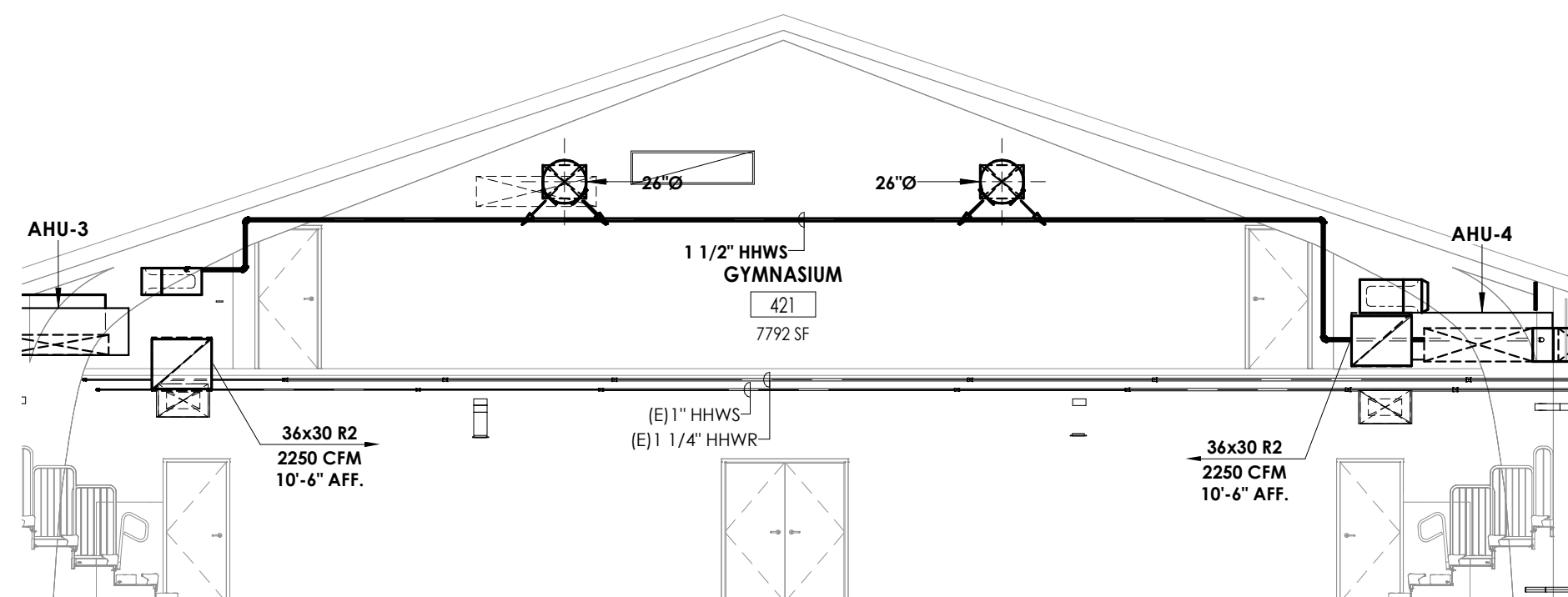
No. Date Description

#### KEY NOTES

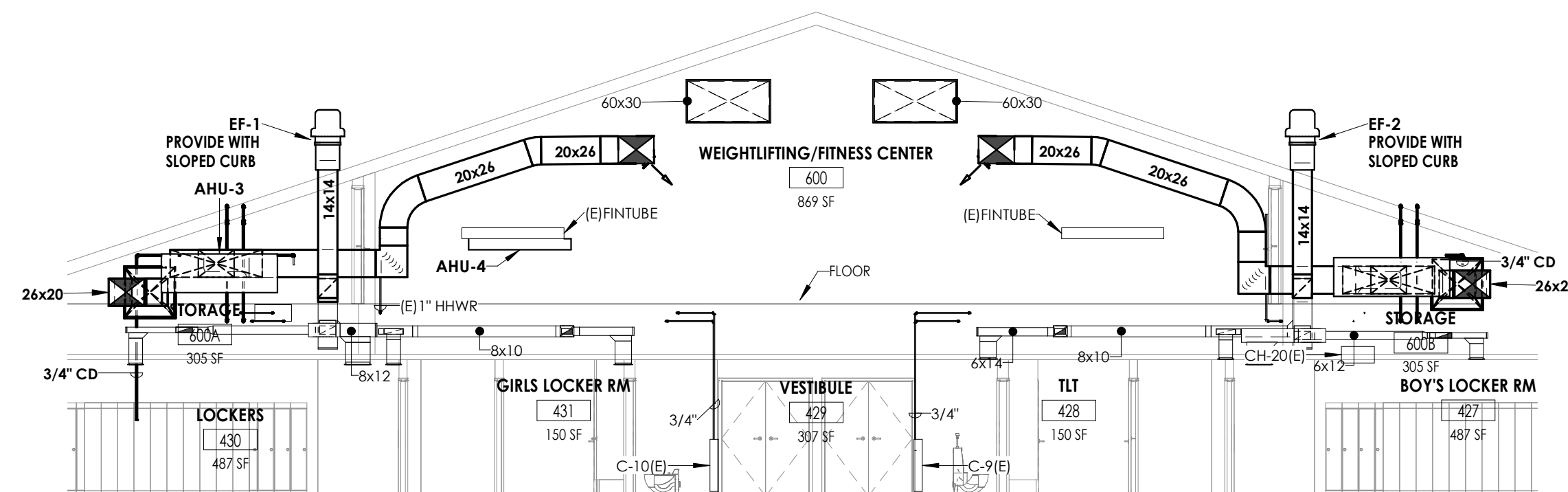
- 1 MOUNT AIR HANDLING UNIT 12" ABOVE FINISHED FLOOR. MAINTAIN EQUIPMENT ACCESS REQUIREMENTS, EXTEND EXISTING CONTROLS TO NEW UNIT.
- 2 RE-USE EXISTING OPENING IN WALL. PROVIDE NEW LOUVER.
- 3 PROVIDE NEW RETURN AIR LOUVER. COLOR BY ARCHITECT.
- 4 REUSE EXISTING 36"X42" SUPPLY AIR LOUVER.
- 5 PROVIDE NEW OUTDOOR AIR LOUVER. PROVIDE WITH BIRDSCREEN AND DRAINABLE BLADES.
- 6 HANG DUCTWORK WITH CABLE.



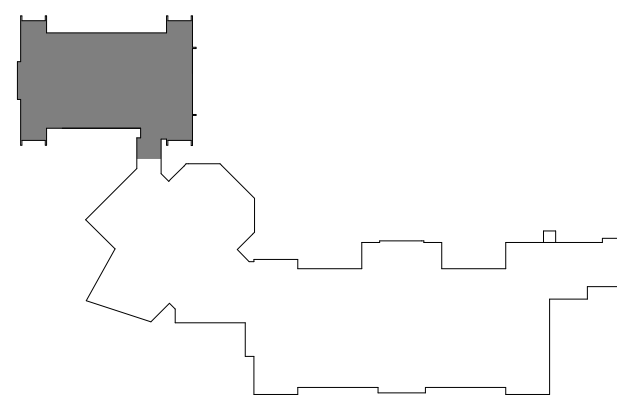
1 FIRST FLOOR HVAC DUCTWORK PLAN - AREA A  
1/8" = 1'-0"



3 GYMNASIUM ELEVATIONS  
1/8" = 1'-0"



4 LOCKER AND WEIGHTLIFTING SECTION  
1/8" = 1'-0"



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#### SHEET INFORMATION

Issued  
09/09/2021  
Scale  
As indicated

#### CONSTRUCTION DOCUMENTS

Drawn By  
NRH  
Checked By  
JJM

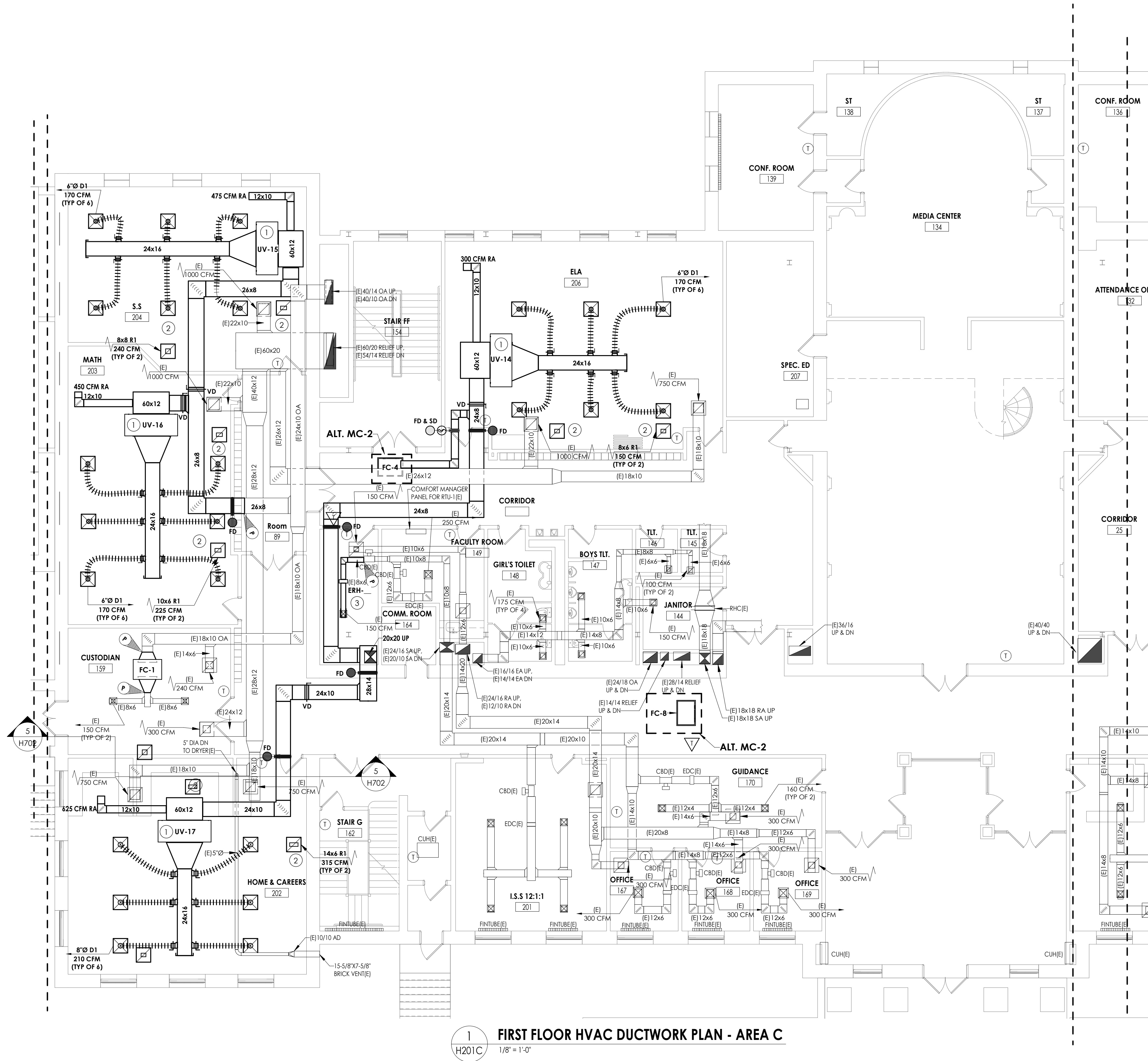
Drawing Title  
FIRST FLOOR HVAC DUCTWORK  
PLAN - AREA A

Drawing Number

HMS  
H201A

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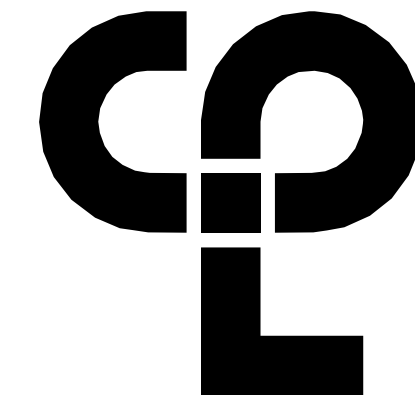
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1 FIRST FLOOR HVAC DUCTWORK PLAN - AREA C  
H201C 1/8" = 1'-0"

KEY NOTES

- 1 MOUNT UNIT VENTILATOR ABOVE CEILING. COORDINATE WITH ANY CEILING UTILITIES. MAINTAIN ACCESS FOR FILTER CHANGES. ALL SUPPLY AND RETURN DUCTWORK SHALL BE LINED. EXTEND EXISTING CONTROLS TO NEW UNIT LOCATION.
- 2 PLENUM RETURN.
- 3 REROUTE EXISTING DUCTWORK TO ALLOW FOR NEW INSTALLATION.



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PROJECT INFORMATION

Project Number  
13940.18  
Client Name

NEWBURGH ENLARGED CITY  
SCHOOL DISTRICT

Project Name  
PHASE 3: HERITAGE MIDDLE  
SCHOOL 2019 CAPITAL  
IMPROVEMENT PROJECT

Project Address  
405 Union Avenue, New Windsor, NY 12553

SED Number  
44-16-00-01-0-039-011

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IN ANY WAY IF AN ITEM BEARING THE SEAL OF AN ARCHITECT,  
ENGINEER OR SURVEYOR IS ALTERED. THE ALTERING PARTY  
SHALL AFFIX TO THE ITEM THEIR SEAL AND THE NOTATION:  
"ALTERED BY" FOLLOWED BY THEIR SIGNATURE AND THE DATE  
OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE  
ALTERATION.

SHEET INFORMATION

Issued  
09/09/2021 Scale  
As indicated

Project Status

CONSTRUCTION DOCUMENTS

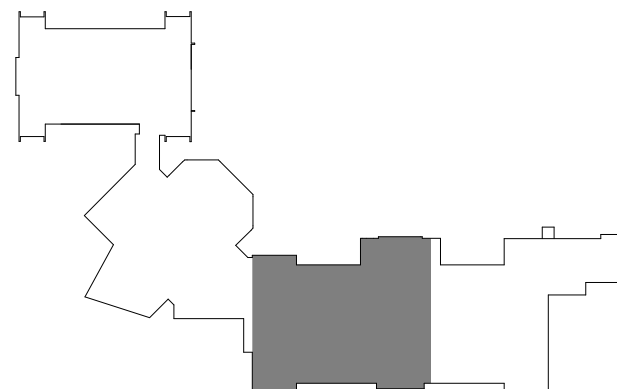
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NRH Checked By  
JJM

Drawing Title

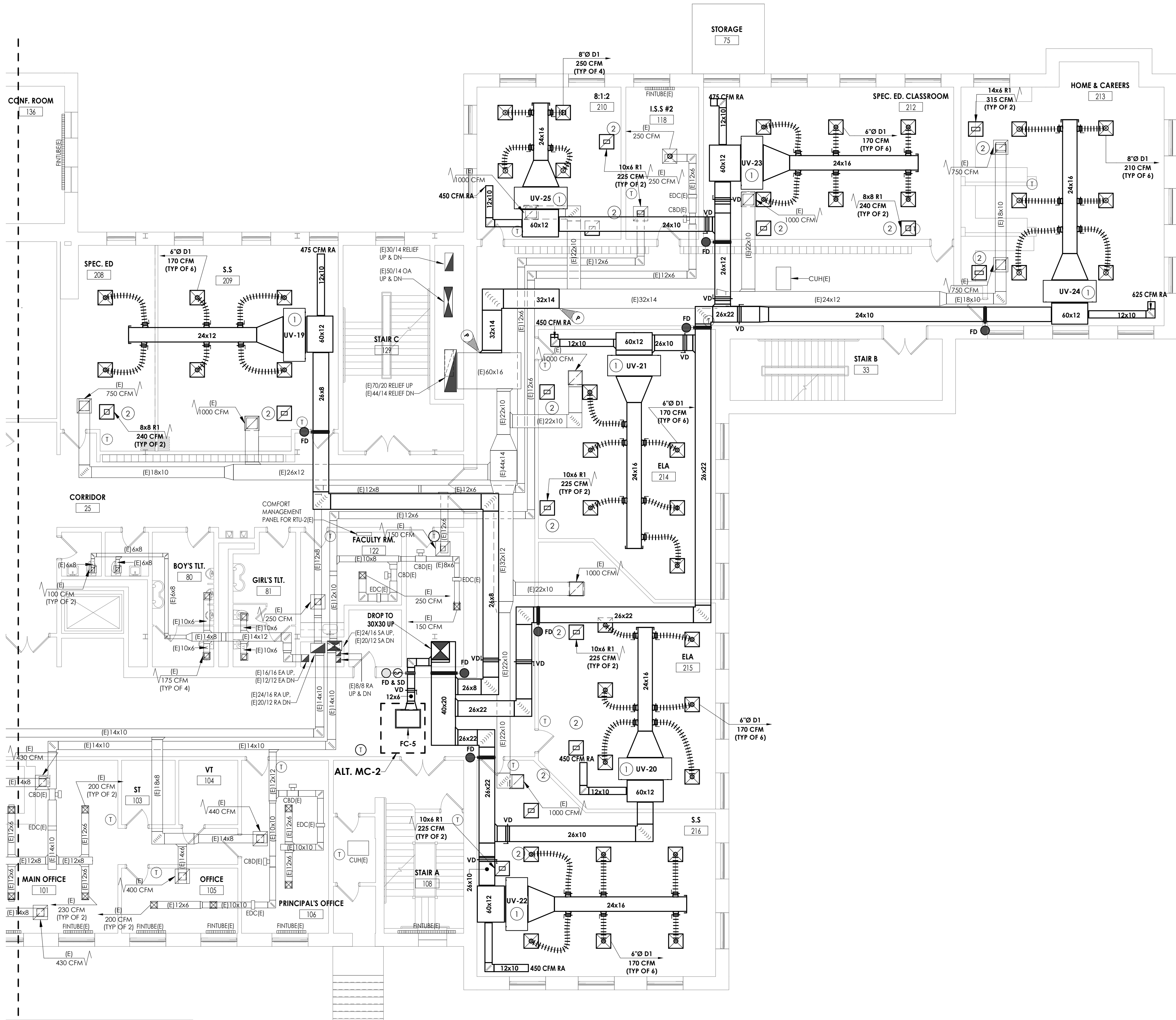
FIRST FLOOR HVAC DUCTWORK  
PLAN - AREA C

Drawing Number

HMS  
H201C







1 FIRST FLOOR HVAC DUCTWORK PLAN - AREA D  
H201D 1/8" = 1'-0"

KEY NOTES

- 1 MOUNT UNIT VENTILATOR ABOVE CEILING. COORDINATE WITH ANY CEILING UTILITIES. MAINTAIN ACCESS FOR FILTER CHANGES. ALL SUPPLY AND RETURN DUCTWORK SHALL BE UNED. EXTEND EXISTING CONTROLS TO NEW UNIT LOCATION.
- 2 PLENUM RETURN
- 3 REROUTE EXISTING DUCTWORK TO ALLOW FOR NEW INSTALLATION.

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PROJECT INFORMATION

Project Number  
13940.18  
Client Name  
**NEWBURGH ENLARGED CITY SCHOOL DISTRICT**  
Project Name  
**PHASE 3: HERITAGE MIDDLE SCHOOL 2019 CAPITAL IMPROVEMENT PROJECT**

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SED Number  
44-16-00-01-0-039-011

PROJECT ISSUE SCHEDULE

No. Date Description

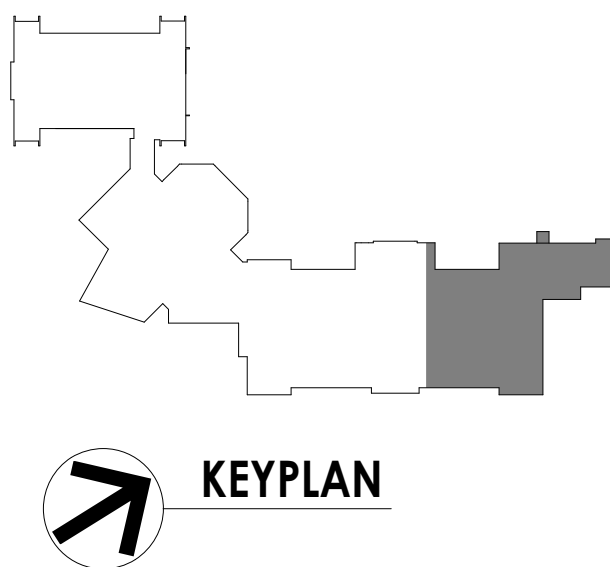
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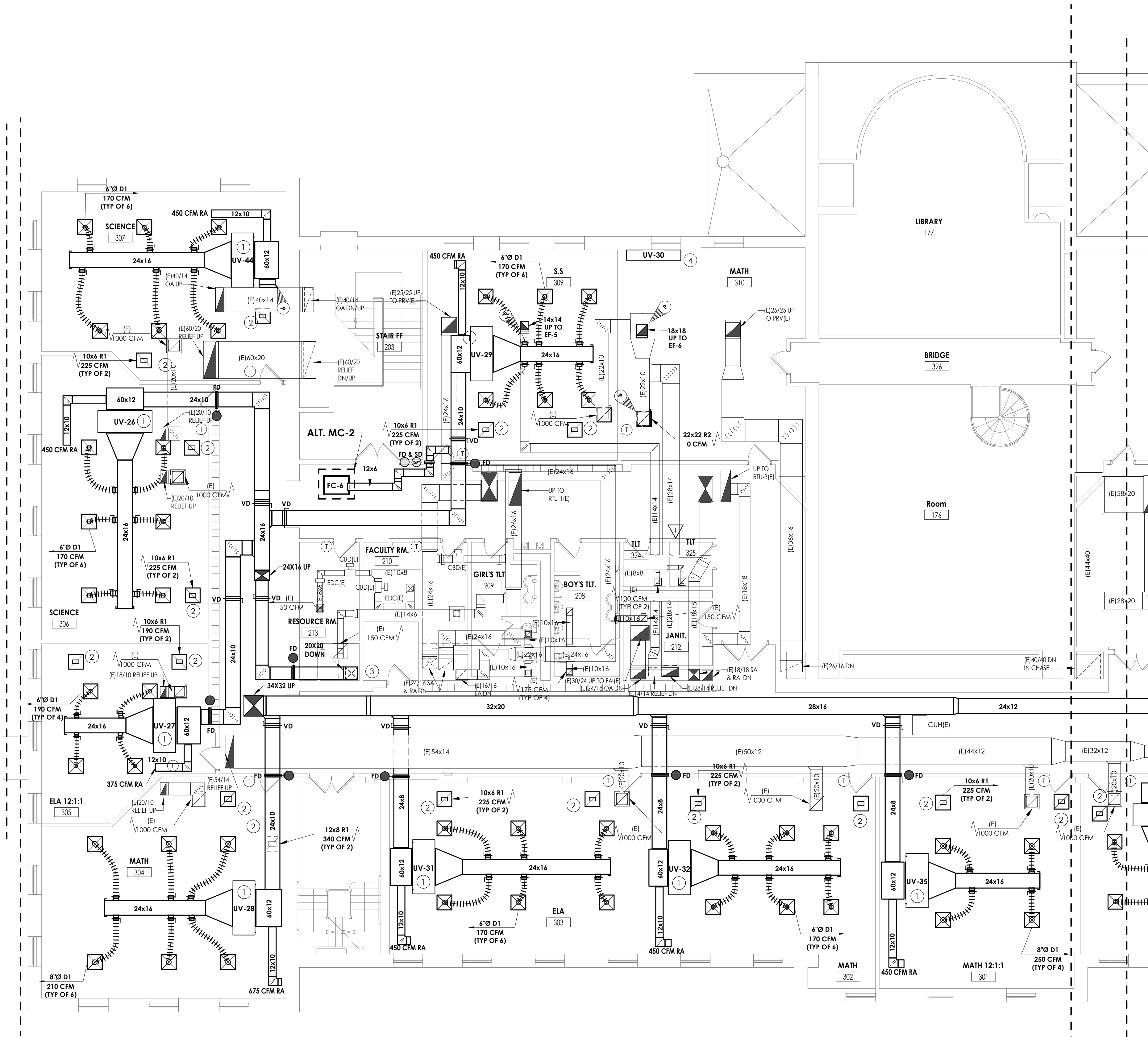
SHEET INFORMATION

Issued  
09/09/2021  
Scale  
As indicated  
Project Status  
CONSTRUCTION DOCUMENTS  
Drawn By  
NRH  
Checked By  
JJM  
Drawing Title  
FIRST FLOOR HVAC DUCTWORK PLAN - AREA D

Drawing Number

HMS  
H201D





1  
H202C  
SECOND FLOOR HVAC DUCTWORK PLAN - AREA C  
1/8" = 1'-0"

KEY NOTES

- 1 MOUNT UNIT VENTILATOR ABOVE CEILING. COORDINATE WITH ANY CEILING UTILITIES. MAINTAIN ACCESS FOR FILTER CHANGES. ALL SUPPLY AND RETURN DUCTWORK SHALL BE LINED. EXTEND EXISTING CONTROLS TO NEW UNIT LOCATION.
- 2 PLENUM RETURN.
- 3 REMOVE EXISTING DUCTWORK TO ALLOW FOR NEW INSTALLATION.
- 4 PROVIDE NEW UNIT VENTILATOR IN SAME LOCATION AS EXISTING. CONNECT TO EXISTING UTILITIES. (MODIFY EXISTING CASEWORK AS NEEDED FOR INSTALLATION OF NEW UNIT VENTILATOR.)

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Project Name  
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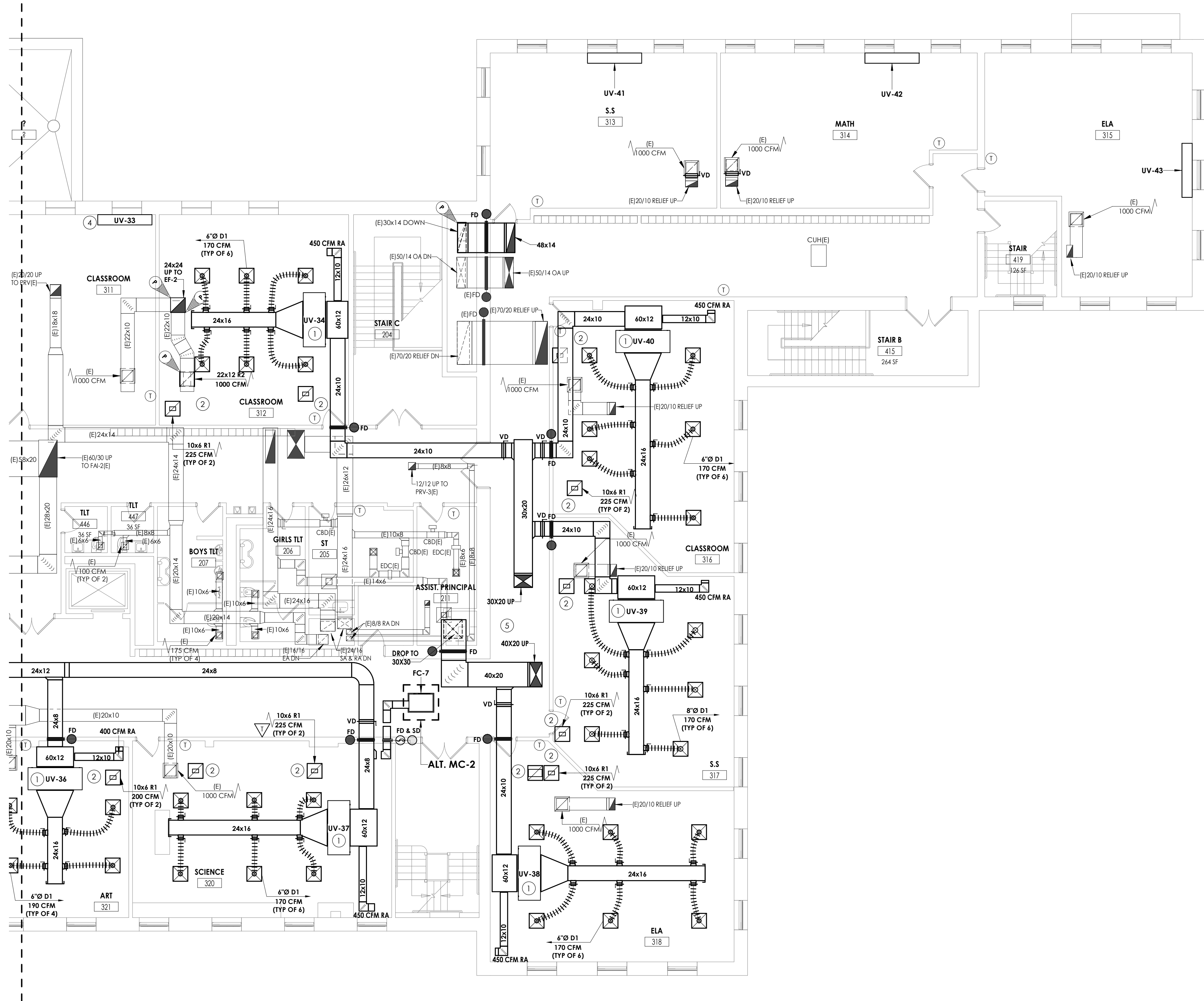
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09/09/2021  
Project Status  
CONSTRUCTION DOCUMENTS  
Drawn By  
NRH  
Drawing Title  
SECOND FLOOR HVAC DUCTWORK PLAN - AREA C

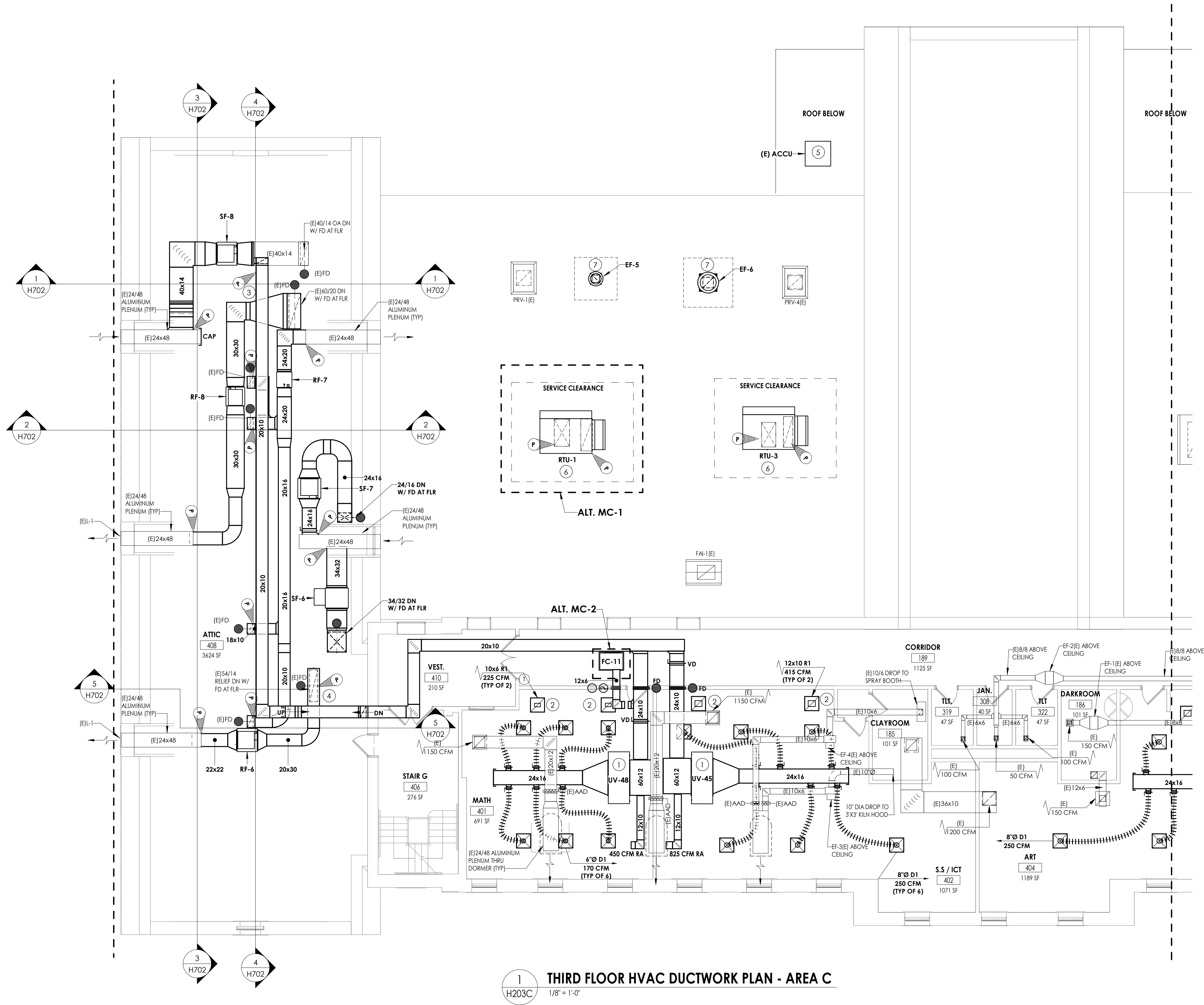
Drawing Number

HMS  
H202C









#### KEY NOTES

- 1 MOUNT UNIT VENTILATOR ABOVE CEILING. COORDINATE WITH ANY CEILING UTILITIES. MAINTAIN ACCESS FOR FILTER CHANGES. ALL SUPPLY AND RETURN DUCTWORK SHALL BE UNED. EXTEND EXISTING CONTROLS TO NEW UNIT LOCATION.
- 2 PLENUM RETURN.
- 3 CONNECT TO EXISTING DUCTWORK. EXTEND OUTDOOR AIR TO NEW UNITS.
- 4 CONNECT TO EXISTING RELIEF DUCTWORK. EXTEND DUCTWORK TO CLASSROOMS.
- 5 REINSTALL EXISTING ACCU. RECONNECT EXISTING REFRIGERANT PIPING. PROVIDE NEW REFRIGERANT CHARGE. RE-USE EXISTING WOOD SLEEPERS. CONFIRM OPERATION OF EXISTING AC UNIT IS CUSTODIAL OFFICE.
- 6 ROOF TOP UNIT SHALL BE PROVIDED WITH NEW CURB. CONNECT TO EXISTING DUCT RISERS.
- 7 EXHAUST FANS SHALL BE PROVIDED WITH NEW CURB. CONNECT TO EXISTING DUCT RISERS.
- 8 SUPPLY DUCT SHALL BE ROUTED THROUGH ROOF. ROOF WORK SHALL BE CONDUCTED BY CERTIFIED ROOFING INSTALLERS. DUCTWORK SHALL BE MOUNTED ON WIND RATED ROOF SUPPORTS.
- 9 RETURN DUCT SHALL BE ROUTED THROUGH ROOF. ROOF WORK SHALL BE CONDUCTED BY CERTIFIED ROOFING INSTALLERS. DUCTWORK SHALL BE MOUNTED ON WIND RATED ROOF SUPPORTS.

#### PROJECT INFORMATION

Project Number  
13940.18  
Client Name  
**NEWBURGH ENLARGED CITY  
SCHOOL DISTRICT**  
Project Name  
**PHASE 3: HERITAGE MIDDLE  
SCHOOL 2019 CAPITAL  
IMPROVEMENT PROJECT**

Project Address  
405 Union Avenue, New Windsor, NY 12553

SED Number  
44-16-00-01-0-039-011

#### PROJECT ISSUE SCHEDULE

No. Date Description

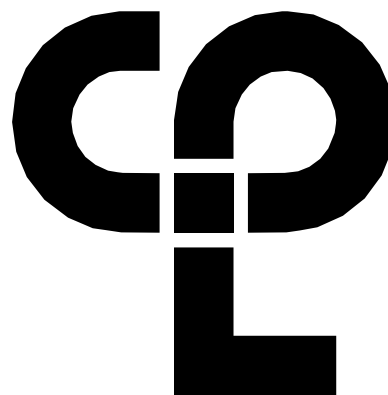
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#### SHEET INFORMATION

Issued  
09/09/2021  
Scale  
As indicated  
Project Status  
CONSTRUCTION DOCUMENTS  
Drawn By  
NRH  
Checked By  
JJM  
Drawing Title  
THIRD FLOOR HVAC DUCTWORK  
PLAN - AREA C

Drawing Number

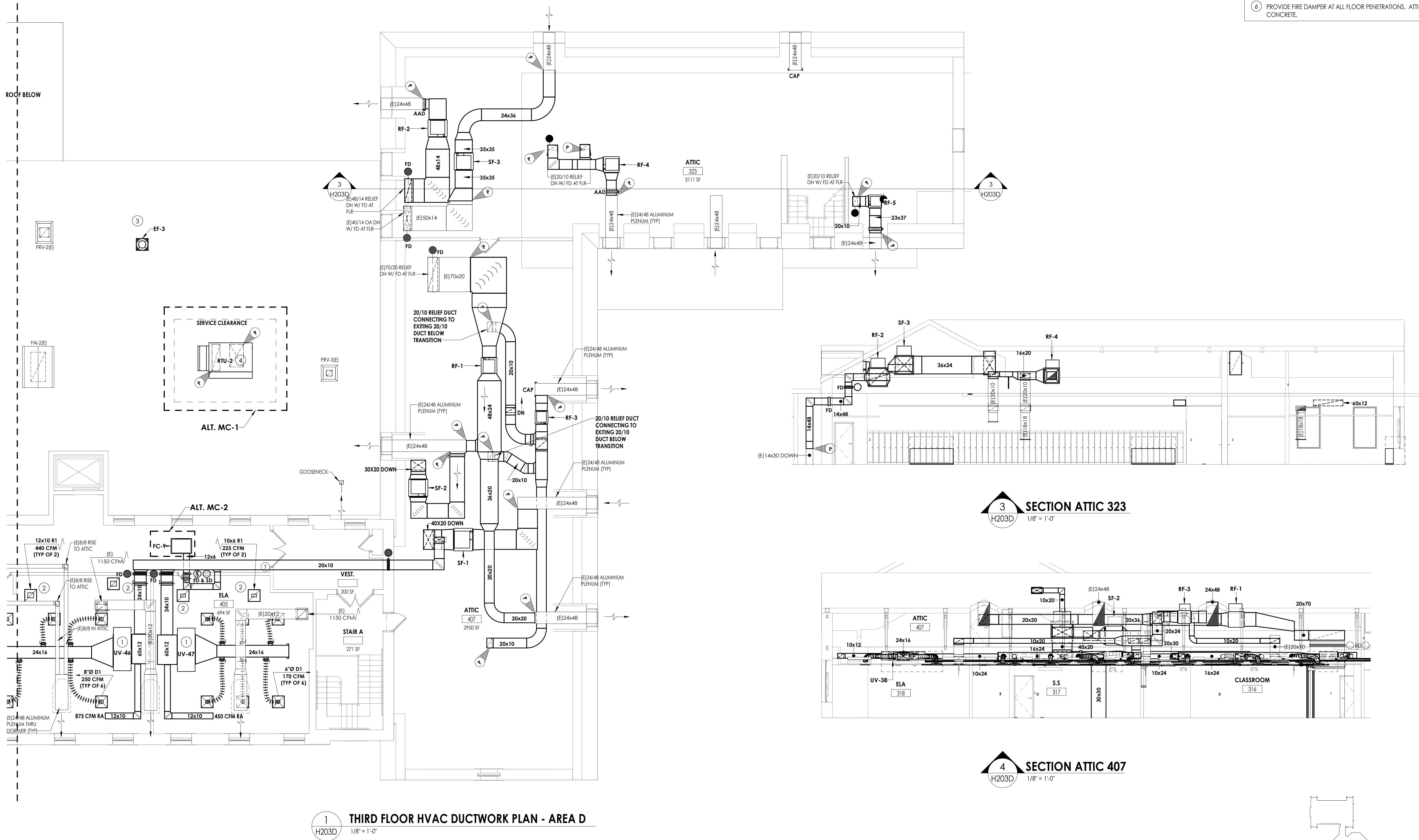
HMS  
H203C



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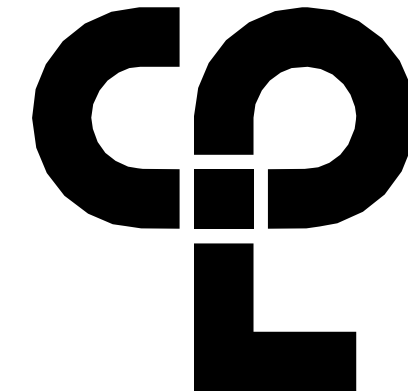


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#### KEY NOTES

- 1 MOUNT UNIT VENTILATOR ABOVE CEILING. COORDINATE WITH ANY CEILING UTILITIES. MAINTAIN ACCESS FOR FILTER CHANGES. ALL SUPPLY AND RETURN DUCTWORK SHALL BE LINED. EXTEND EXISTING CONTROLS TO NEW UNIT LOCATION.
- 2 PLENUM RETURN.
- 3 EXHAUST FANS SHALL BE PROVIDED WITH NEW CURB. CONNECT TO EXISTING DUCT RISERS.
- 4 ROOFTOP UNIT SHALL BE PROVIDED WITH A NEW CURB. CONNECT TO EXISTING DUCT RISER.
- 5 UNIT VENTILATORS SHALL BE INSTALLED IN ATTIC SPACE. EACH DROP THROUGH CONCRETE FLOOR SHALL BE PROVIDED WITH NEW FIRE DAMPER.
- 6 PROVIDE FIRE DAMPER AT ALL FLOOR PENETRATIONS. ATTIC FLOOR IS CONCRETE.



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#### PROJECT INFORMATION

Project Number  
13940.18  
Client Name

NEWBURGH ENLARGED CITY  
SCHOOL DISTRICT

Project Name  
PHASE 3: HERITAGE MIDDLE  
SCHOOL 2019 CAPITAL  
IMPROVEMENT PROJECT

Project Address  
405 Union Avenue, New Windsor, NY 12553

SED Number  
44-16-00-01-0-039-011

#### PROJECT ISSUE SCHEDULE

No. Date Description

3 SECTION ATTIC 323  
1/8" = 1'-0"

4 SECTION ATTIC 407  
1/8" = 1'-0"



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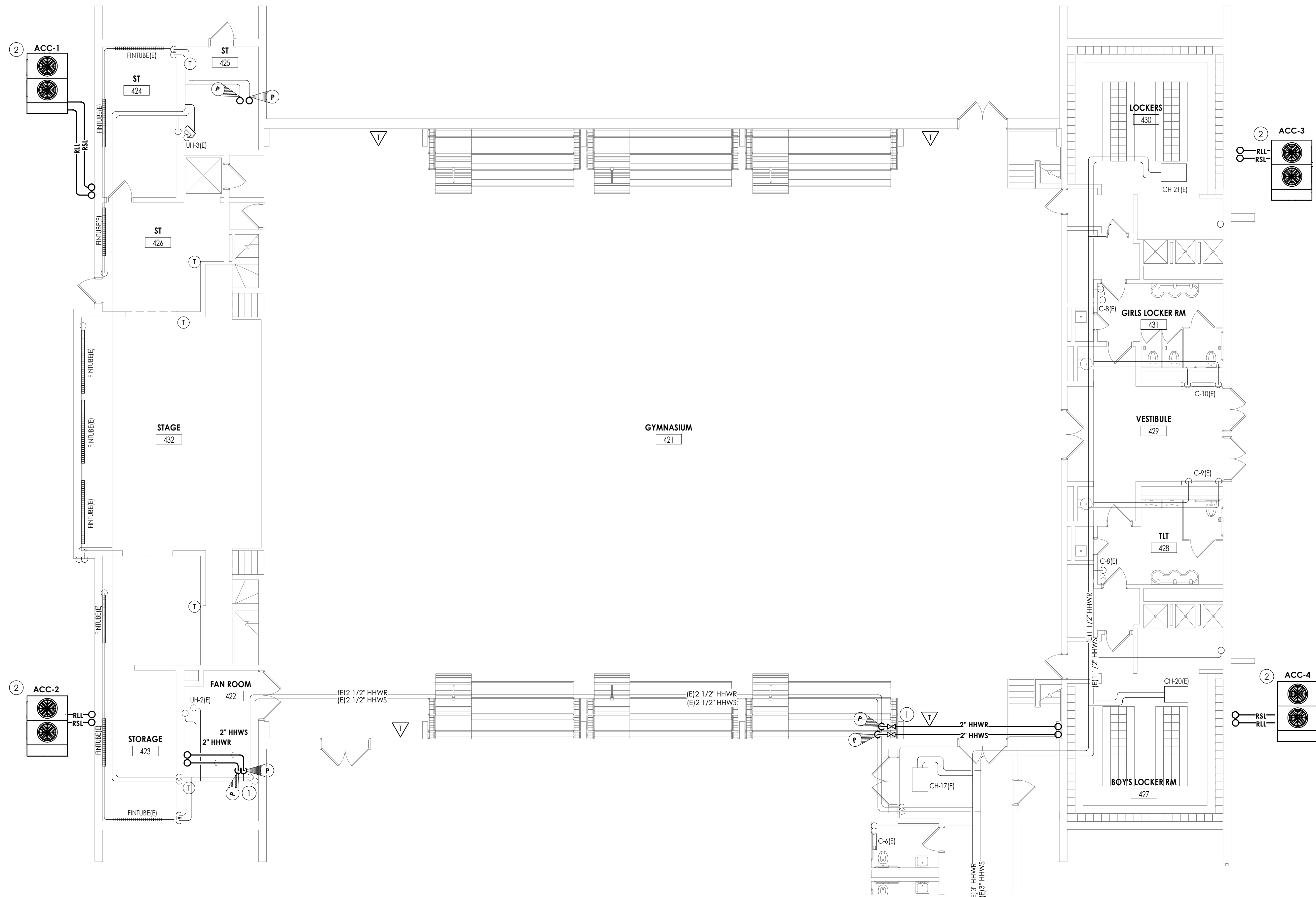
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09/09/2021  
Project Status  
CONSTRUCTION DOCUMENTS  
Drawn By  
NRH  
Checked By  
JJM  
Drawing Title  
THIRD FLOOR HVAC DUCTWORK  
PLAN - AREA D

Drawing Number

HMS  
H203D

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1  
H300A  
GROUND FLOOR HVAC PIPING PLAN - AREA A  
1/8" = 1'-0"

GENERAL NOTES

1. ALL COOLING EQUIPMENT ABOVE THE CEILING SHALL HAVE SECONDARY DRAIN PANS WITH FLOAT OVERFLOW ALARM CONNECTED TO THE BMS.
2. EXTEND ALL EXISTING CONTROL WIRING TO NEW UNITS. COORDINATE WITH JOHNSON CONTROLS SYSTEMS. SENSORS BY JCS.



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PROJECT INFORMATION

Project Number  
13940.18  
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SCHOOL DISTRICT  
Project Name  
PHASE 3: HERITAGE MIDDLE  
SCHOOL 2019 CAPITAL  
IMPROVEMENT PROJECT  
Project Address  
405 Union Avenue, New Windsor, NY 12553  
SED Number  
44-16-00-01-0-039-011

PROJECT ISSUE SCHEDULE

No.	Date	Description
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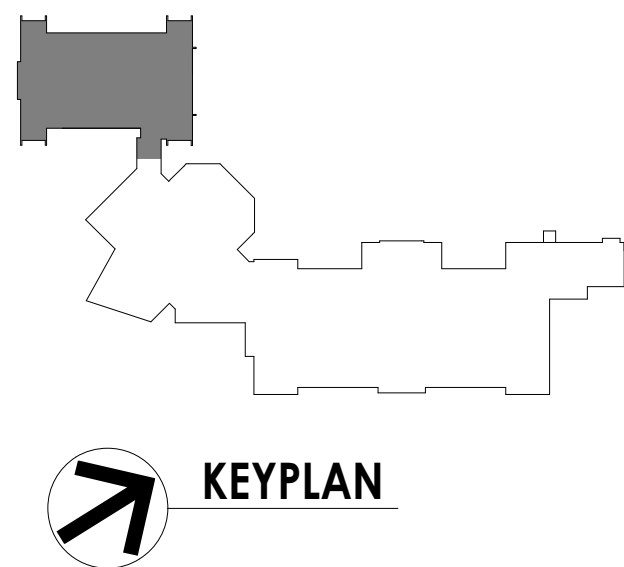
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SHEET INFORMATION

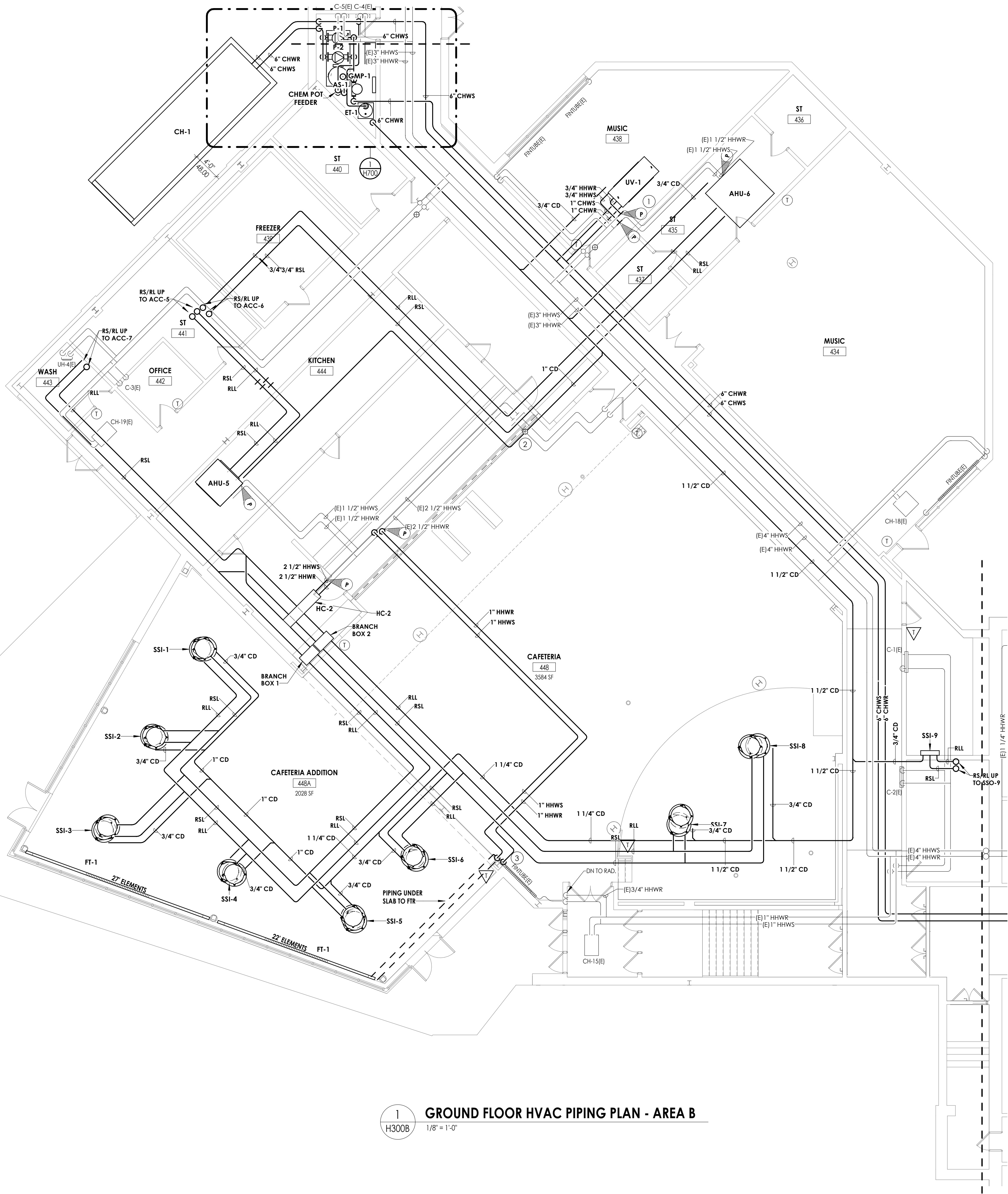
Issued  
09/09/2021  
Scale  
As indicated  
Project Status  
CONSTRUCTION DOCUMENTS  
Drawn By  
NRH  
Checked By  
JJM  
Drawing Title  
GROUND FLOOR HVAC PIPING  
PLAN - AREA A

Drawing Number

HMS  
H300A







1  
H300B  
GROUND FLOOR HVAC PIPING PLAN - AREA B  
1/8" = 1'-0"

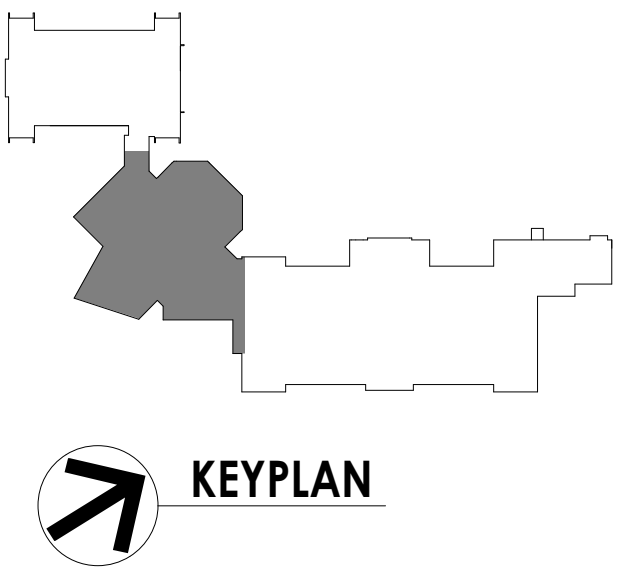
- GENERAL NOTES**
- ALL COOLING EQUIPMENT ABOVE THE CEILING SHALL HAVE SECONDARY DRAIN PANS WITH FLOAT OVERFLOW ALARM CONNECTED TO THE BMS.
  - EXTEND ALL EXISTING CONTROL WIRING TO NEW UNITS. COORDINATE WITH JOHNSON CONTROLS SYSTEMS. SENSORS BY JCS.
- KEY NOTES**
- CONNECT NEW PIPING TO EXISTING PIPING AT POINTS INDICATED. RE-INSULATE ANY EXISTING PIPING AT CONNECTED LOCATIONS.
  - REBALANCE EXISTING BALANCING VALVE TO NEW FLOW.
  - ROUTE PIPING DOWN COLUMN ENCLOSURE.

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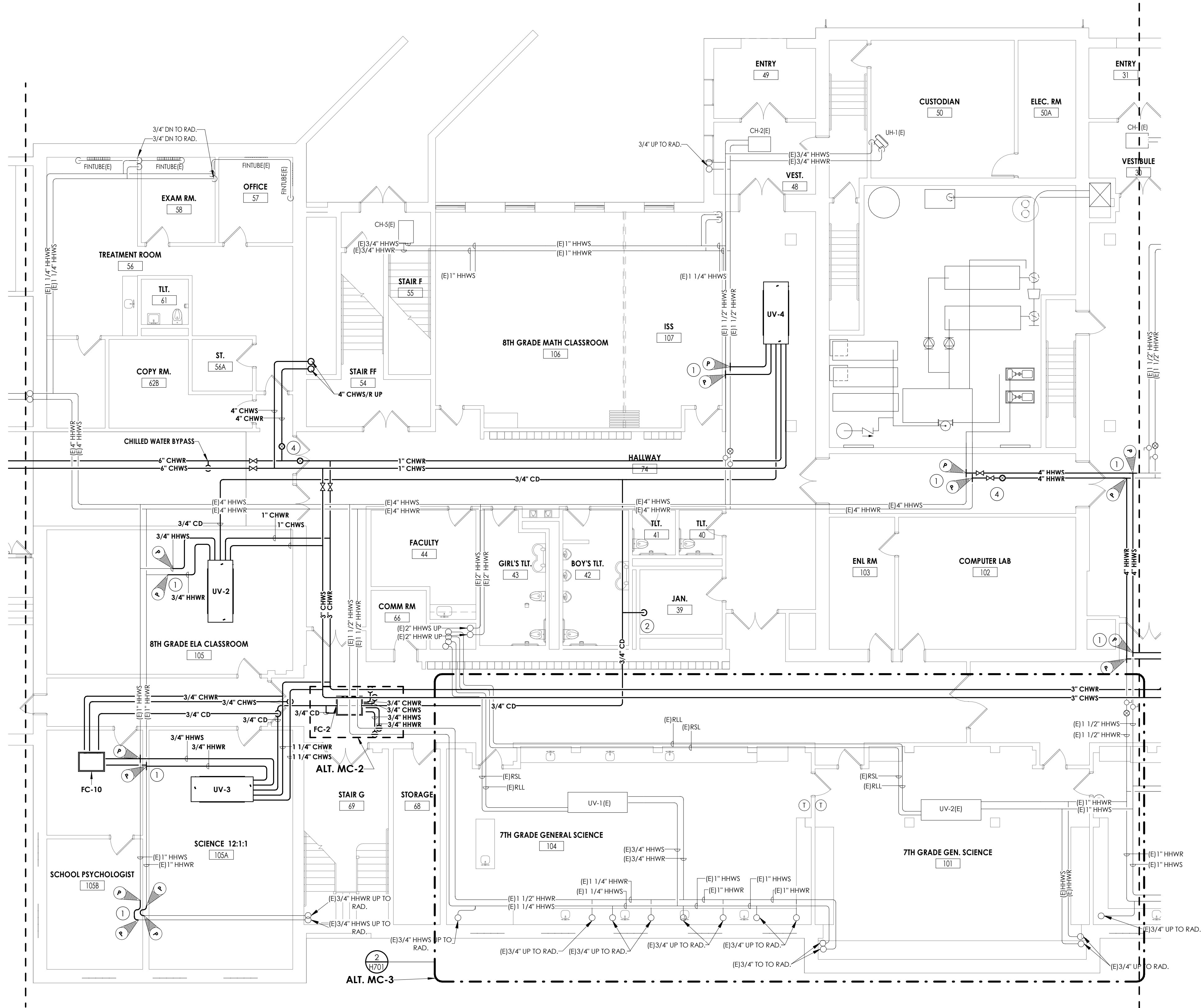
**PROJECT INFORMATION**  
Project Number  
13940.18  
Client Name  
**NEWBURGH ENLARGED CITY SCHOOL DISTRICT**  
Project Name  
**PHASE 3: HERITAGE MIDDLE SCHOOL 2019 CAPITAL IMPROVEMENT PROJECT**  
Project Address  
405 Union Avenue, New Windsor, NY 12553  
SED Number  
44-16-00-01-0-039-011  
**PROJECT ISSUE SCHEDULE**  
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Issued  
09/09/2021  
Scale  
As indicated  
Project Status  
CONSTRUCTION DOCUMENTS  
Drawn By  
NRH  
Checked By  
JJM  
Drawing Title  
GROUND FLOOR HVAC PIPING PLAN - AREA B  
Drawing Number  
HMS H300B



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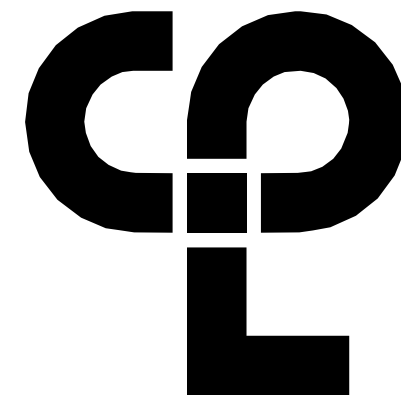
1  
H300C  
GROUND FLOOR HVAC PIPING PLAN - AREA C  
1/8" = 1'-0"

#### GENERAL NOTES

1. ALL COOLING EQUIPMENT ABOVE THE CEILING SHALL HAVE SECONDARY DRAIN PANS WITH FLOAT OVERFLOW ALARM CONNECTED TO THE BMS.
2. EXTEND ALL EXISTING CONTROL WIRING TO NEW UNITS. COORDINATE WITH JOHNSON CONTROLS SYSTEMS. SENSORS BY JCS.

#### KEY NOTES

1. CONNECT NEW PIPING TO EXISTING PIPING AT POINTS INDICATED. RE-INSULATE ANY EXISTING PIPING AT CONNECTED LOCATIONS.
2. SPILL CONDENSATE INTO EXISTING MOP RECEPTOR.
3. REMOVE 50' OF EXISTING 1" HOT WATER PIPING. REINSTALL PIPING TIGHT TO STEEL AND STACK TO ALLOW FOR NEW INSTALLATION OF CHILLED WATER PIPING.
4. BALANCE SYSTEM BRANCH. COORDINATE WITH SCHEDULES AND SUBMITTED EQUIPMENT.



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No. Date Description

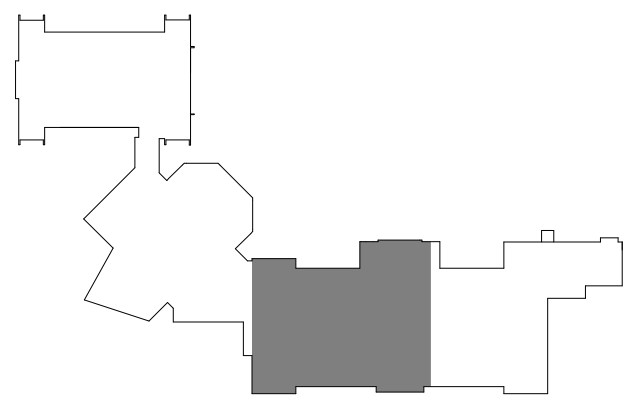
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#### SHEET INFORMATION

Issued  
09/09/2021  
Project Status  
CONSTRUCTION DOCUMENTS  
Drawn By  
NRH  
Checked By  
JJM  
Drawing Title  
GROUND FLOOR HVAC PIPING PLAN - AREA C

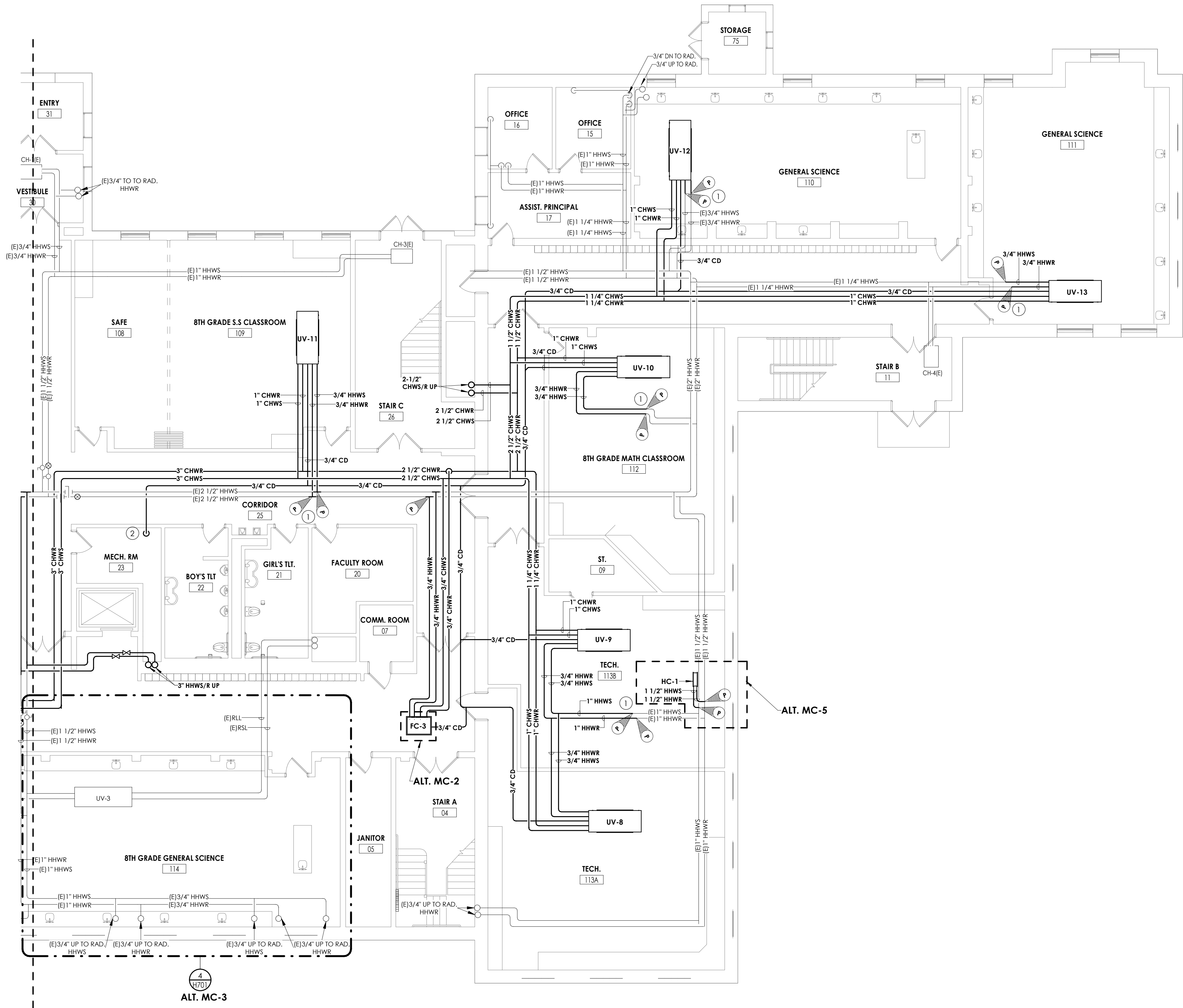
Drawing Number

HMS  
H300C





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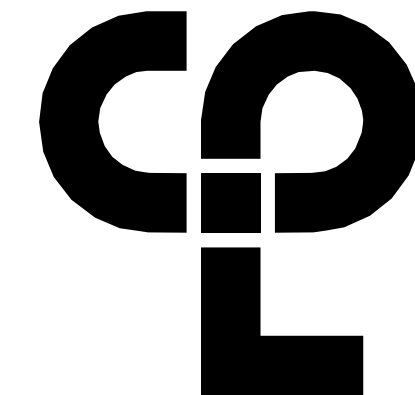
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H300D  
GROUND FLOOR HVAC PIPING PLAN - AREA D  
1/8" = 1'-0"

#### GENERAL NOTES

- ALL COOLING EQUIPMENT ABOVE THE CEILING SHALL HAVE SECONDARY DRAIN PANS WITH FLOAT OVERFLOW ALARM CONNECTED TO THE BMS.
- EXTEND ALL EXISTING CONTROL WIRING TO NEW UNITS. COORDINATE WITH JOHNSON CONTROLS SYSTEMS. SENSORS BY JCS.

#### KEY NOTES

- CONNECT NEW PIPING TO EXISTING PIPING AT POINTS INDICATED. RE-INSULATE ANY EXISTING PIPING AT CONNECTED LOCATIONS.
- SPILL CONDENSATE INTO EXISTING MOP RECEPTOR.



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#### PROJECT INFORMATION

Project Number  
13940.18  
Client Name  
NEWBURGH ENLARGED CITY  
SCHOOL DISTRICT  
Project Name  
PHASE 3: HERITAGE MIDDLE  
SCHOOL 2019 CAPITAL  
IMPROVEMENT PROJECT

Project Address  
405 Union Avenue, New Windsor, NY 12553

SED Number  
44-16-00-01-0-039-011

#### PROJECT ISSUE SCHEDULE

No.	Date	Description
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#### SHEET INFORMATION

Issued	09/09/2021	Scale	As indicated
Project Status	CONSTRUCTION DOCUMENTS		
Drawn By	NRH	Checked By	JJM
Drawing Title	GROUND FLOOR HVAC PIPING PLAN - AREA D		

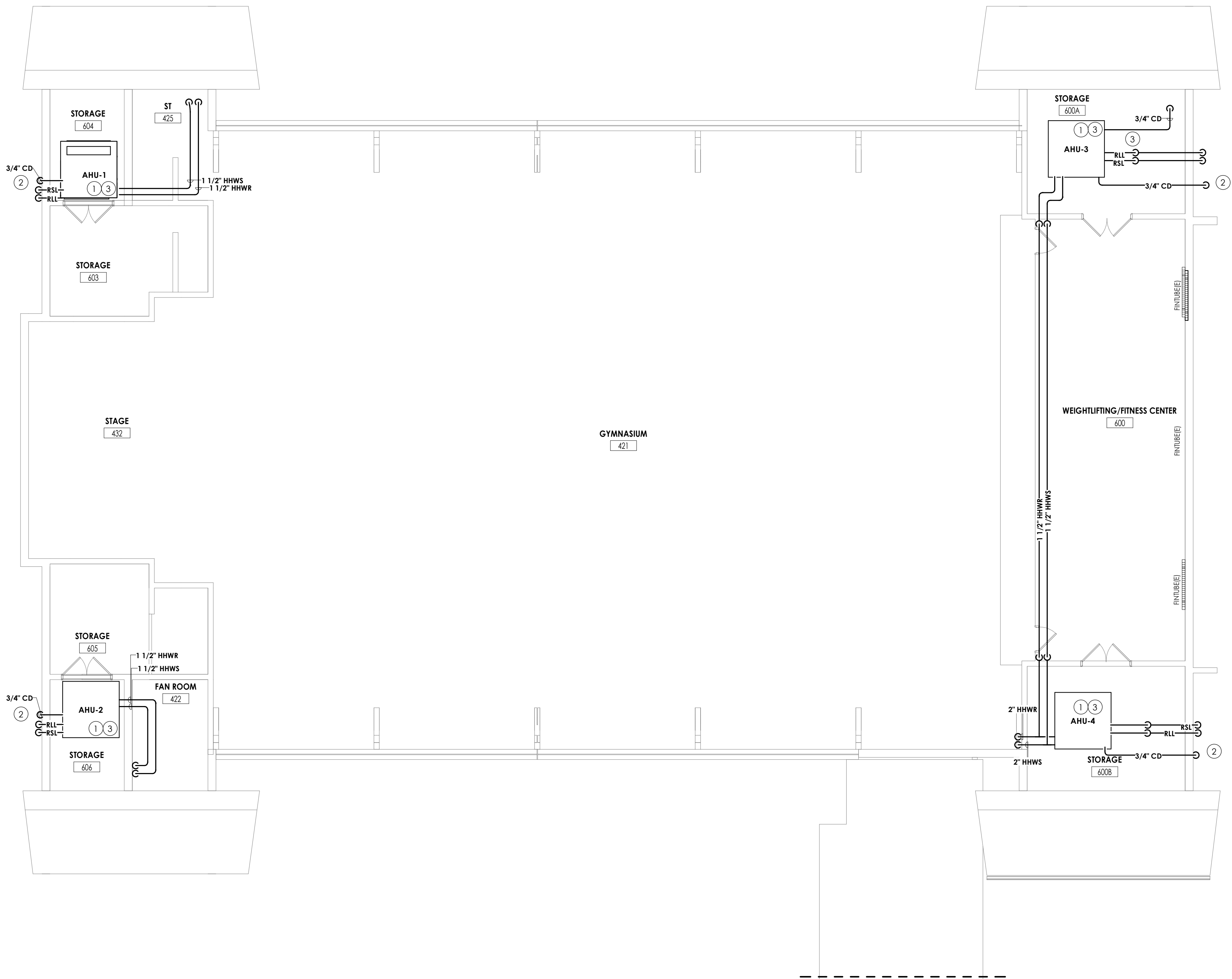
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HMS  
H300D



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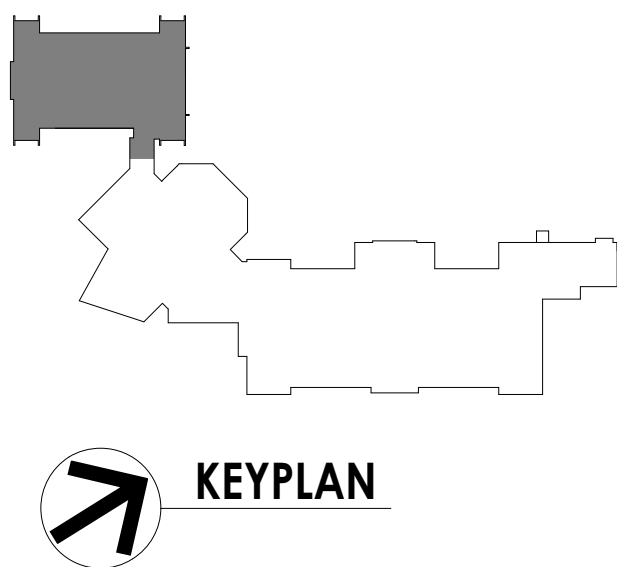
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1  
H301A

FIRST FLOOR HVAC PIPING PLAN - AREA A

1/8" = 1'-0"



GENERAL NOTES

1. ALL COOLING EQUIPMENT ABOVE THE CEILING SHALL HAVE SECONDARY DRAIN PANS WITH FLOAT OVERFLOW ALARM CONNECTED TO THE BMS.
2. EXTEND ALL EXISTING CONTROL WIRING TO NEW UNITS. COORDINATE WITH JOHNSON CONTROLS SYSTEMS. SENSORS BY JCS.

KEY NOTES

- ① REFER TO H300 FOR TEMPERATURE SENSORS.
- ② CONDENSATE SHALL BE ROUTED TO NEAREST EXTERNAL WALL.
- ③ AIR HANDLING UNITS SHALL BE FLOOR MOUNTED. PROVIDE VIBRATION ISOLATION.

PROJECT INFORMATION

Project Number  
13940.18  
Client Name  
**NEWBURGH ENLARGED CITY SCHOOL DISTRICT**  
Project Name  
**PHASE 3: HERITAGE MIDDLE SCHOOL 2019 CAPITAL IMPROVEMENT PROJECT**  
Project Address  
405 Union Avenue, New Windsor, NY 12553  
SED Number  
44-16-00-01-0-039-011

PROJECT ISSUE SCHEDULE

No.	Date	Description
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SHEET INFORMATION

Issued	Scale
09/09/2021	As indicated
Project Status <b>CONSTRUCTION DOCUMENTS</b>	
Drawn By NRH	Checked By JJM
Drawing Title <b>FIRST FLOOR HVAC PIPING PLAN - AREA A</b>	

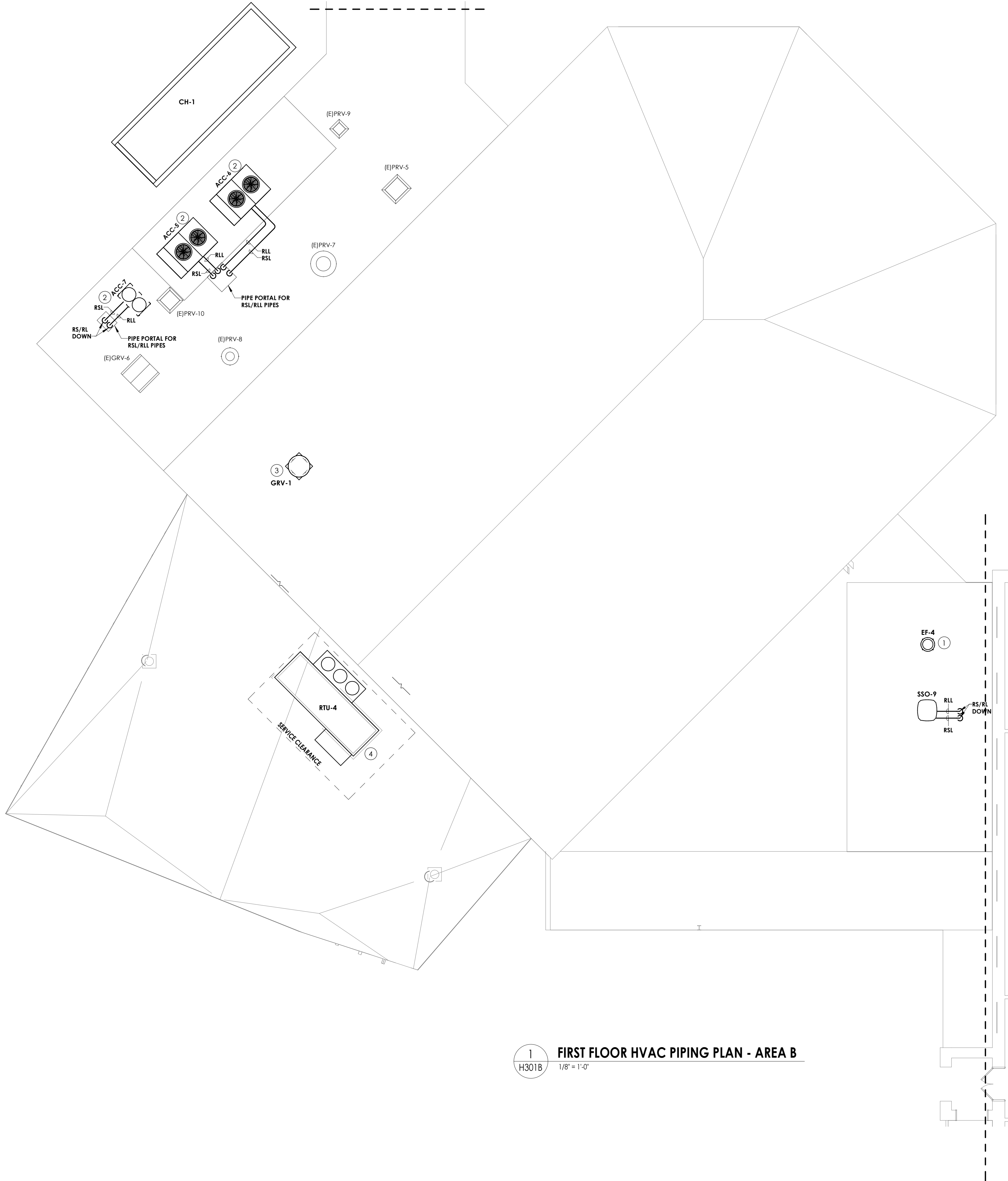
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1  
H301B  
FIRST FLOOR HVAC PIPING PLAN - AREA B  
1/8" = 1'-0"

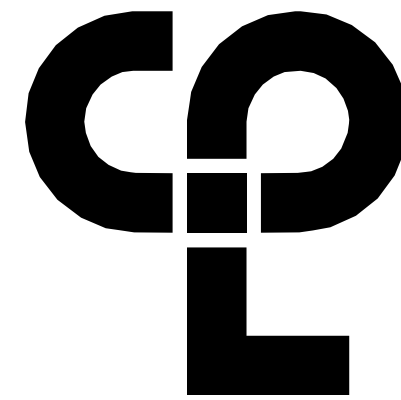


GENERAL NOTES

1. ALL COOLING EQUIPMENT ABOVE THE CEILING SHALL HAVE SECONDARY DRAIN PANS WITH FLOAT OVERFLOW ALARM CONNECTED TO THE BMS.
2. EXTEND ALL EXISTING CONTROL WIRING TO NEW UNITS. COORDINATE WITH JOHNSON CONTROLS SYSTEMS. SENSORS BY JCS.

KEY NOTES

1. INSTALL NEW RELIEF FAN ON EXISTING CURB.
2. PROVIDE NEW RAILS WITH VIBRATION ISOLATION FOR NEW CONDENSING UNIT.
3. PROVIDE NEW GRAVITY INTAKE AND SLOPED CURB. FIELD VERIFY ROOF SLOPE.
4. PROVIDE NEW ROOFTOP UNIT WITH 12" CURB.



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PROJECT INFORMATION

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SCHOOL DISTRICT  
Project Name  
PHASE 3: HERITAGE MIDDLE  
SCHOOL 2019 CAPITAL  
IMPROVEMENT PROJECT  
Project Address  
405 Union Avenue, New Windsor, NY 12553  
SED Number  
44-16-00-01-0-039-011

PROJECT ISSUE SCHEDULE

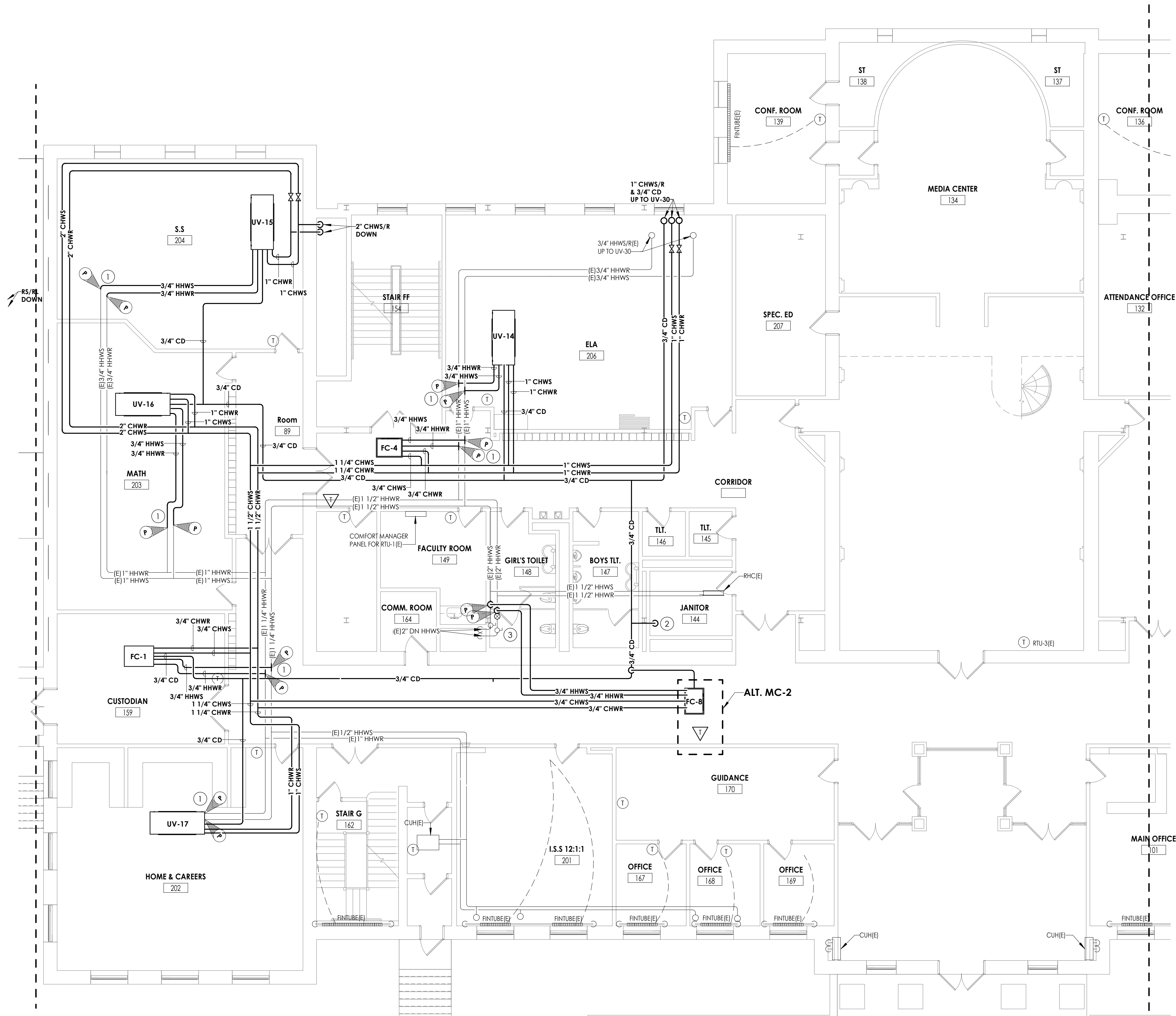
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SHEET INFORMATION

Issued	Scale
09/09/2021	As indicated
Project Status CONSTRUCTION DOCUMENTS	
Drawn By NRH	Checked By JJM
Drawing Title FIRST FLOOR HVAC PIPING PLAN - AREA B	

Drawing Number  
HMS  
H301B



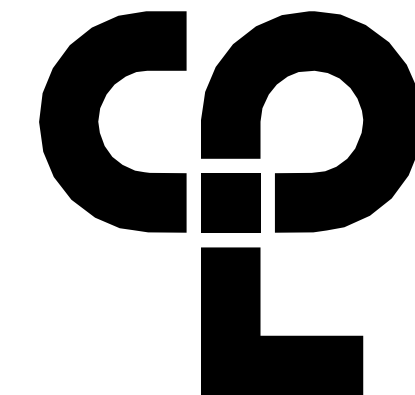
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H301C  
FIRST FLOOR HVAC PIPING PLAN - AREA C  
1/8" = 1'-0"

GENERAL NOTES

1. ALL COOLING EQUIPMENT ABOVE THE CEILING SHALL HAVE SECONDARY DRAIN PANS WITH FLOAT OVERFLOW ALARM CONNECTED TO THE BMS.
2. EXTEND ALL EXISTING CONTROL WIRING TO NEW UNITS. COORDINATE WITH JOHNSON CONTROLS SYSTEMS. SENSORS BY JCS.

KEY NOTES

1. CONNECT NEW PIPING TO EXISTING PIPING AT POINTS INDICATED. RE-INSULATE ANY EXISTING PIPING AT CONNECTED LOCATIONS.
2. SPILL CONDENSATE INTO EXISTING MOP RECEPTOR.
3. BALANCE SYSTEM BRANCH. COORDINATE WITH SCHEDULES AND SUBMITTED EQUIPMENT.



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PROJECT INFORMATION

Project Number  
13940.18  
Client Name

NEWBURGH ENLARGED CITY  
SCHOOL DISTRICT

Project Name  
PHASE 3: HERITAGE MIDDLE  
SCHOOL 2019 CAPITAL  
IMPROVEMENT PROJECT

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SED Number  
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As indicated

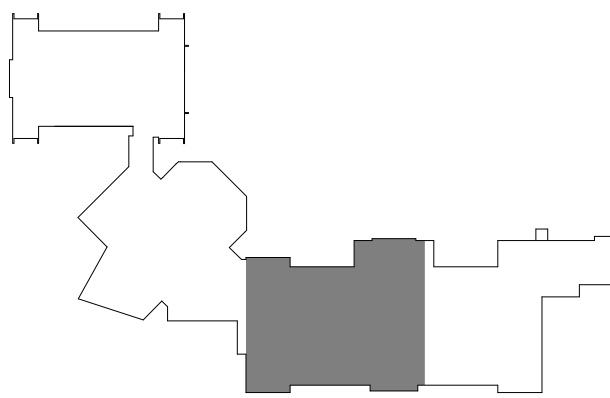
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CONSTRUCTION DOCUMENTS

Drawn By  
NRH  
Checked By  
JJM

Drawing Title  
FIRST FLOOR HVAC PIPING PLAN -  
AREA C

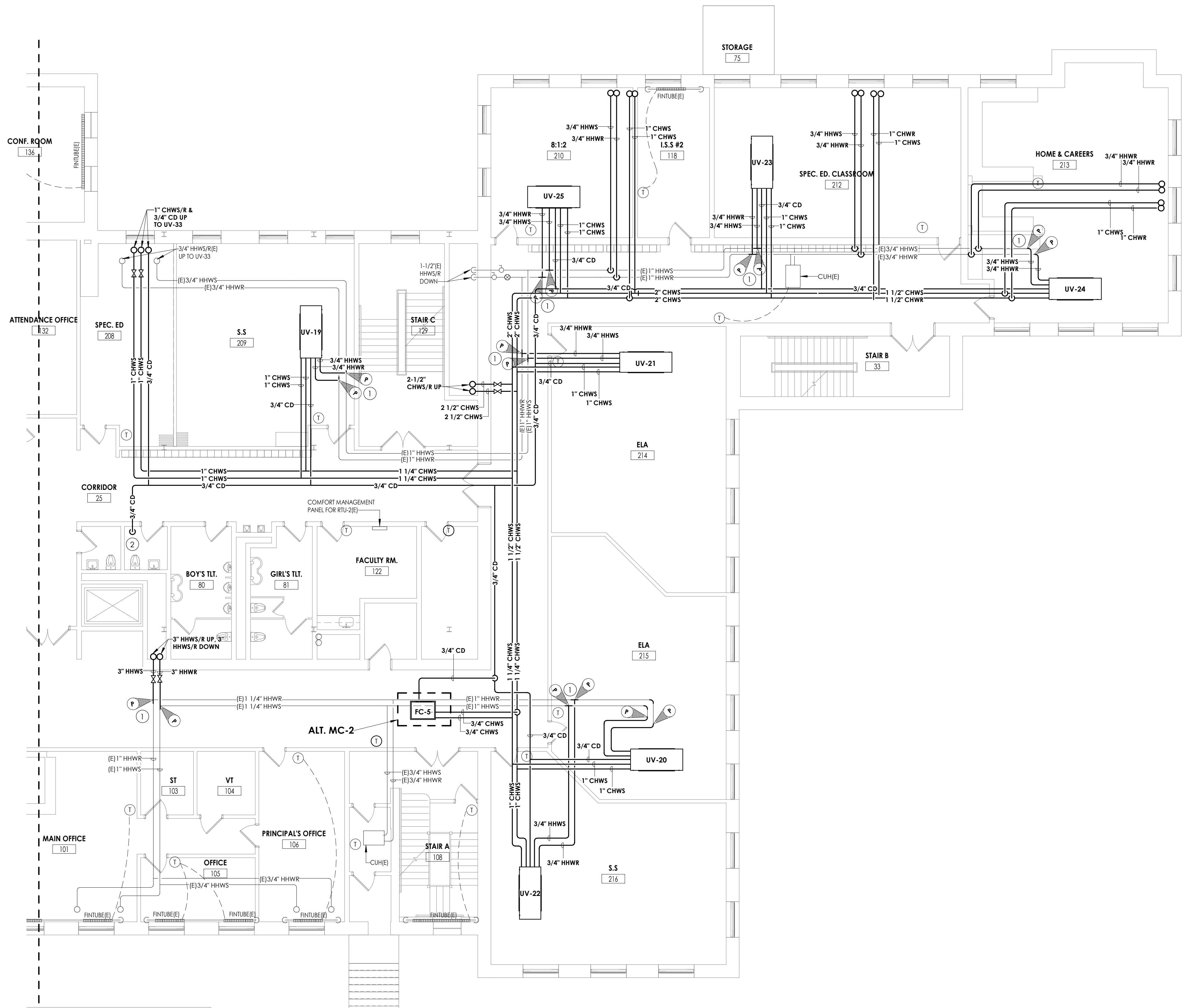
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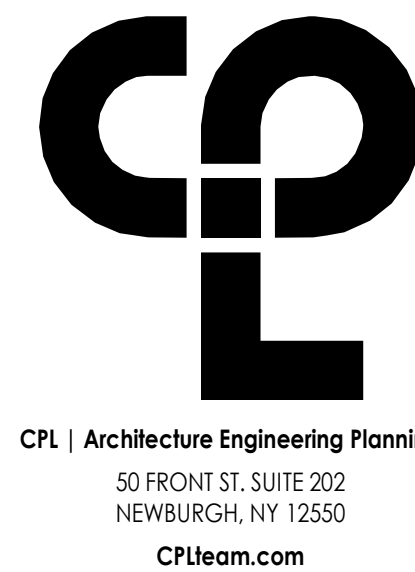
1 FIRST FLOOR HVAC PIPING PLAN - AREA D  
1/8" = 1'-0"

#### GENERAL NOTES

1. ALL COOLING EQUIPMENT ABOVE THE CEILING SHALL HAVE SECONDARY DRAIN PANS WITH FLOAT OVERFLOW ALARM CONNECTED TO THE BMS.
2. EXTEND ALL EXISTING CONTROL WIRING TO NEW UNITS. COORDINATE WITH JOHNSON CONTROLS SYSTEMS. SENSORS BY JCS.

#### KEY NOTES

1. CONNECT NEW PIPING TO EXISTING PIPING AT POINTS INDICATED. RE-INSULATE ANY EXISTING PIPING AT CONNECTED LOCATIONS.
2. SPILL CONDENSATE INTO EXISTING MOP RECEPTOR.



#### PROJECT INFORMATION

Project Number  
13940.18  
Client Name  
NEWBURGH ENLARGED CITY  
SCHOOL DISTRICT  
Project Name  
PHASE 3: HERITAGE MIDDLE  
SCHOOL 2019 CAPITAL  
IMPROVEMENT PROJECT

Project Address  
405 Union Avenue, New Windsor, NY 12553

SED Number  
44-16-00-01-0-039-011

#### PROJECT ISSUE SCHEDULE

No.	Date	Description
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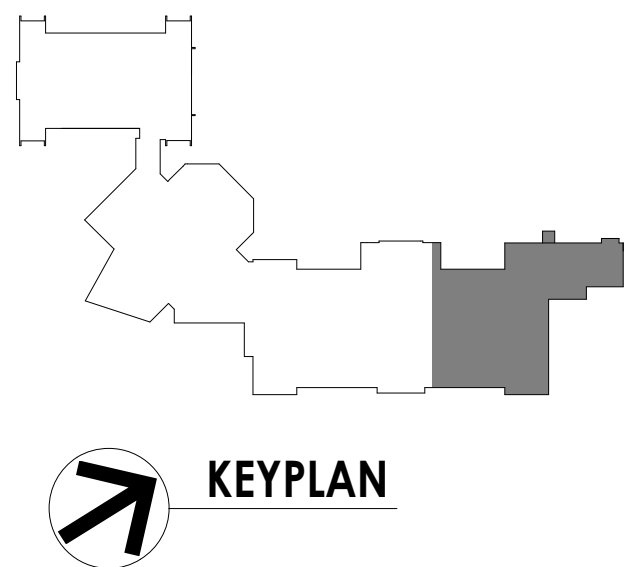
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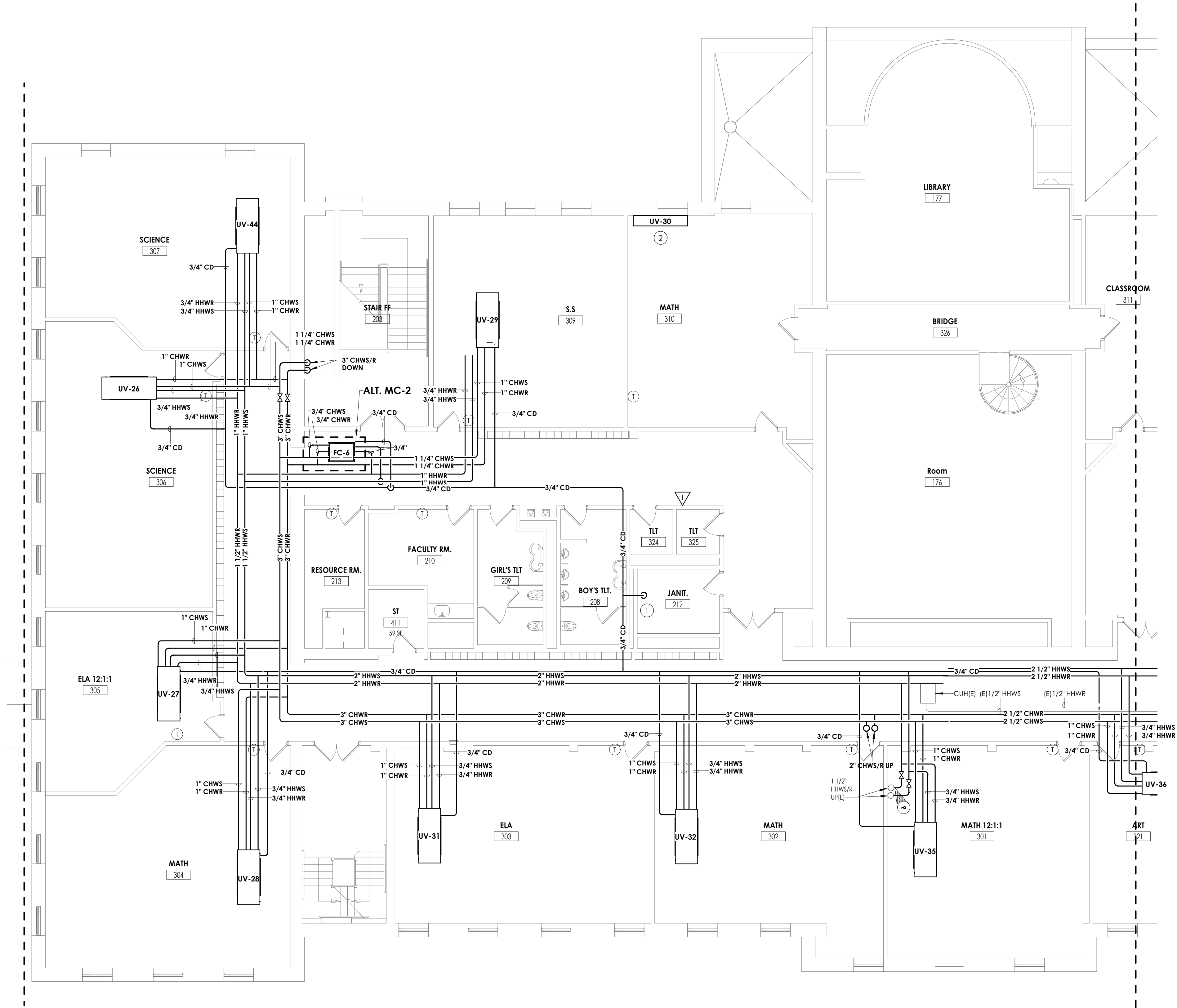
#### SHEET INFORMATION

Issued	09/09/2021	Scale	As indicated
Project Status	CONSTRUCTION DOCUMENTS		
Drawn By	NRH	Checked By	JJM
Drawing Title	FIRST FLOOR HVAC PIPING PLAN - AREA D		

Drawing Number

HMS  
H301D





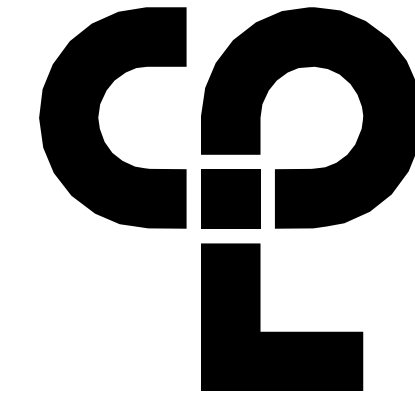
1 SECOND FLOOR HVAC PIPING PLAN - AREA C  
H302C 1/8" = 1'-0"

GENERAL NOTES

1. ALL COOLING EQUIPMENT ABOVE THE CEILING SHALL HAVE SECONDARY DRAIN PANS WITH FLOAT OVERFLOW ALARM CONNECTED TO THE BMS.
2. EXTEND ALL EXISTING CONTROL WIRING TO NEW UNITS. COORDINATE WITH JOHNSON CONTROLS SYSTEMS. SENSORS BY JCS.

KEY NOTES

- 1 SPILL 3/4" CONDENSATE INTO EXISTING MOP RECEPTOR.
- 2 CONNECT PIPING FROM BELOW. CONNECT TO EXISTING LOUVER.



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PROJECT INFORMATION

Project Number  
13940.18  
Client Name  
NEWBURGH ENLARGED CITY  
SCHOOL DISTRICT  
Project Name  
PHASE 3: HERITAGE MIDDLE  
SCHOOL 2019 CAPITAL  
IMPROVEMENT PROJECT

Project Address  
405 Union Avenue, New Windsor, NY 12553

SED Number  
44-16-00-01-0-039-011

PROJECT ISSUE SCHEDULE

No. Date Description

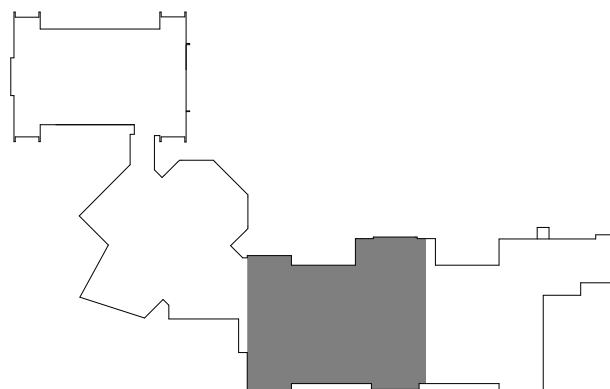
IT IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW  
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SHEET INFORMATION

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09/09/2021  
Scale  
As indicated  
Project Status  
CONSTRUCTION DOCUMENTS  
Drawn By  
NRH  
Checked By  
JJM  
Drawing Title  
SECOND FLOOR HVAC PIPING  
PLAN - AREA C

Drawing Number

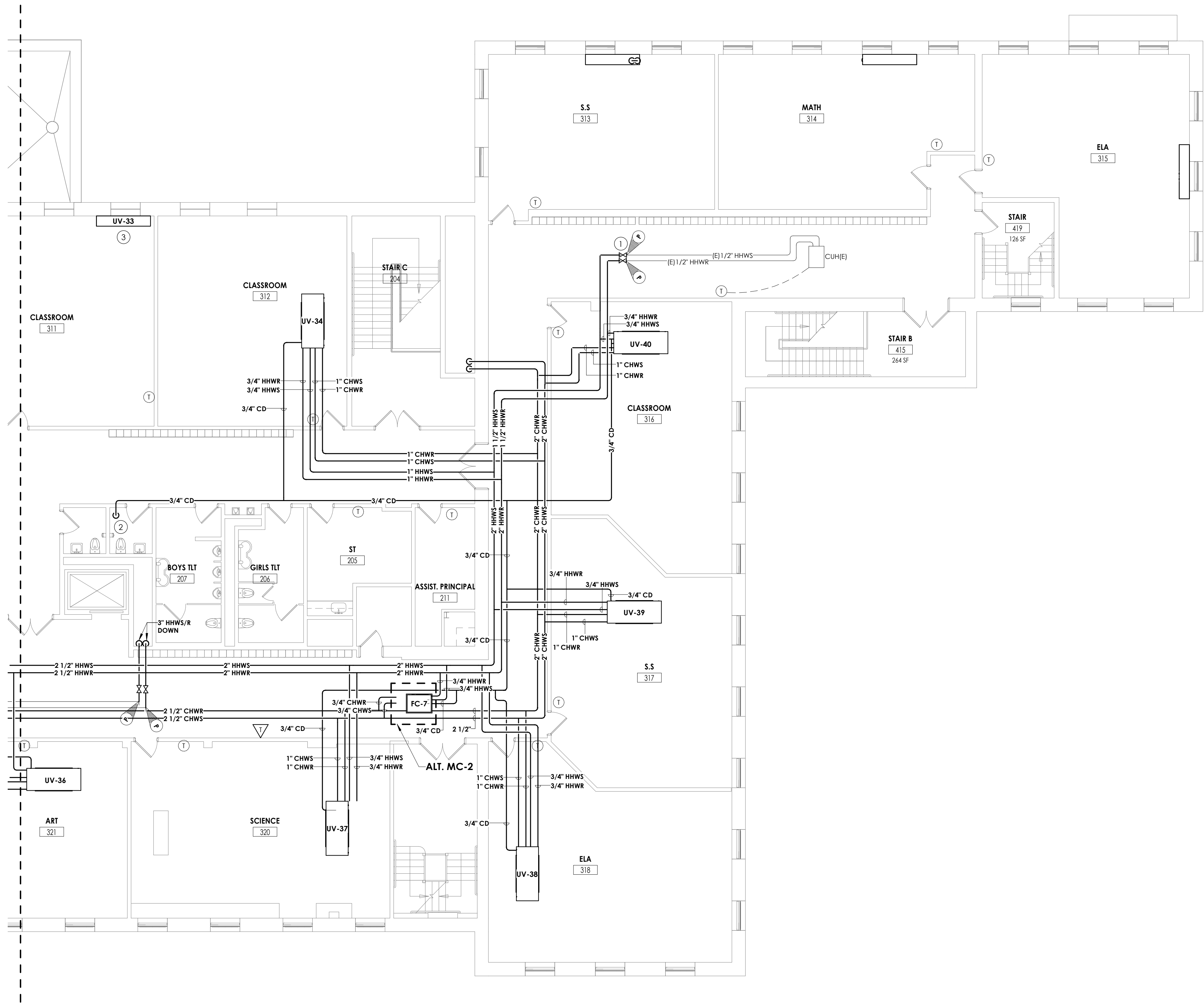
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H302C



KEYPLAN



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1  
H302D  
SECOND FLOOR HVAC PIPING PLAN - AREA D  
1/8" = 1'-0"

GENERAL NOTES

1. ALL COOLING EQUIPMENT ABOVE THE CEILING SHALL HAVE SECONDARY DRAIN PANS WITH FLOAT OVERFLOW ALARM CONNECTED TO THE BMS.
2. EXTEND ALL EXISTING CONTROL WIRING TO NEW UNITS. COORDINATE WITH JOHNSON CONTROLS SYSTEMS. SENSORS BY JCS.

KEY NOTES

1. CONNECT NEW PIPING TO EXISTING PIPING AT POINTS INDICTAED. RE-INSULATE ANY EXISTING PIPING AT CONNECTED LOCATIONS.
2. SPILL CONDENSATE INTO EXISTING MOP RECEPTOR.
3. CONNECT PIPING FROM BELOW. CONNECT TO EXISTING LOUVER.

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PROJECT INFORMATION

Project Number  
13940.18  
Client Name  
**NEWBURGH ENLARGED CITY SCHOOL DISTRICT**  
Project Name  
**PHASE 3: HERITAGE MIDDLE SCHOOL 2019 CAPITAL IMPROVEMENT PROJECT**  
Project Address  
405 Union Avenue, New Windsor, NY 12553  
SED Number  
44-16-00-01-0-039-011

PROJECT ISSUE SCHEDULE

No. Date Description

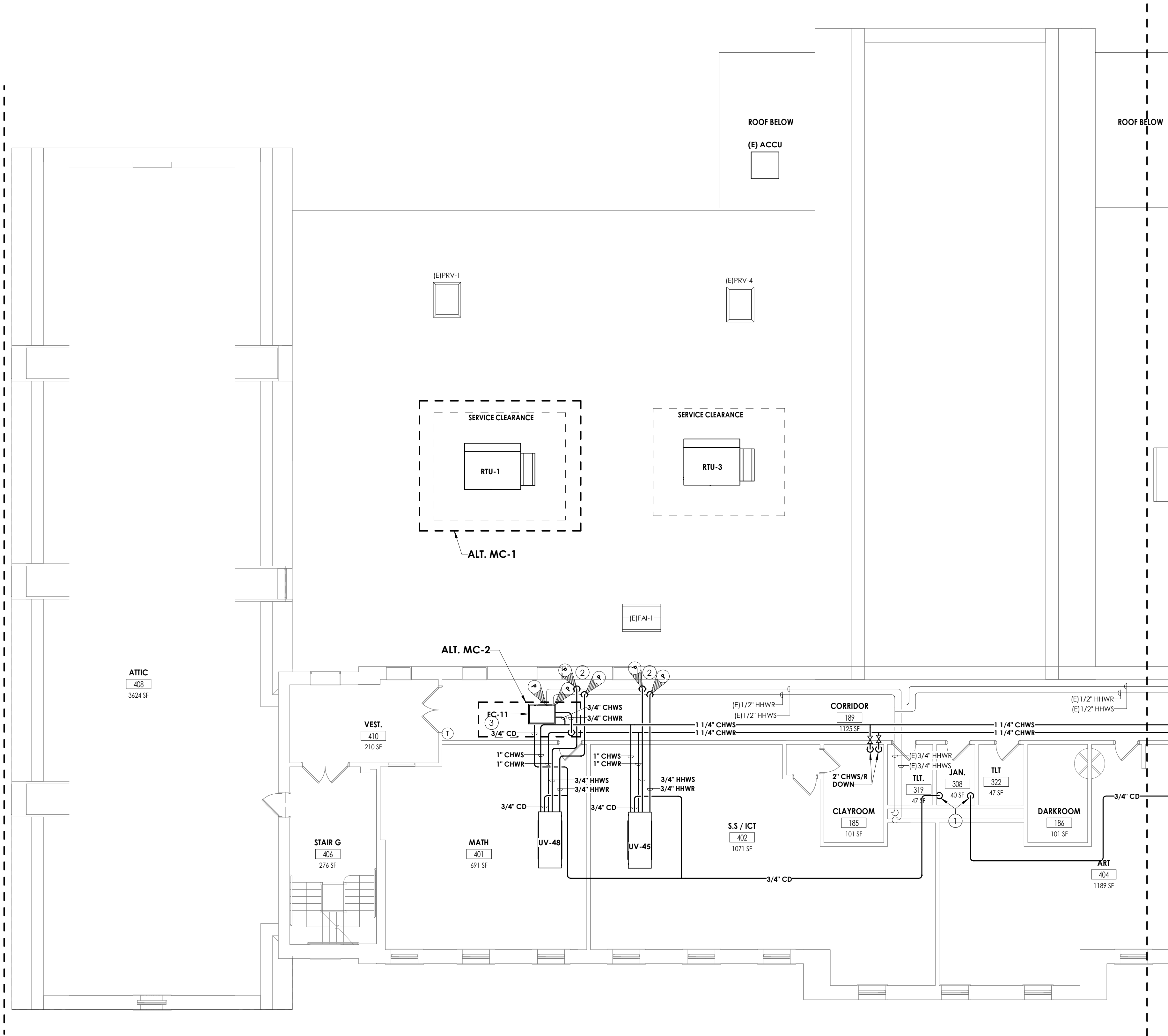
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Project Status  
CONSTRUCTION DOCUMENTS  
Drawn By  
NRH  
Checked By  
JJM  
Drawing Title  
SECOND FLOOR HVAC PIPING PLAN - AREA D  
Drawing Number

HMS  
H302D





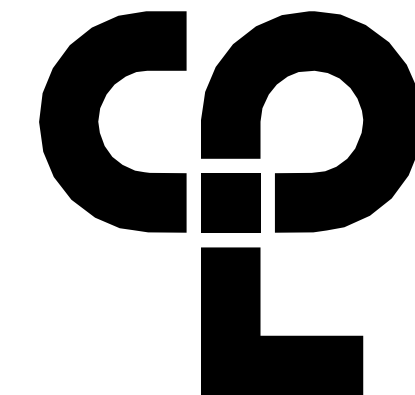
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H303C  
THIRD FLOOR HVAC PIPING PLAN - AREA C  
1/8" = 1'-0"

#### GENERAL NOTES

1. ALL COOLING EQUIPMENT ABOVE THE CEILING SHALL HAVE SECONDARY DRAIN PANS WITH FLOAT OVERFLOW ALARM CONNECTED TO THE BMS.
2. EXTEND ALL EXISTING CONTROL WIRING TO NEW UNITS. COORDINATE WITH JOHNSON CONTROLS SYSTEMS. SENSORS BY JCS.

#### KEY NOTES

- ① SPILL CONDENSATE INTO EXISTING MOP RECEPTOR.
- ② CONNECT NEW PIPING TO EXISTING PIPING AT POINTS INDICATED, RE-INSULATE ANY EXISTING PIPING AT CONNECTED LOCATIONS.
- ③ CONNECT TO EXISTING TEMPERATURE CONTROLS.



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#### PROJECT INFORMATION

Project Number  
13940.18  
Client Name  
**NEWBURGH ENLARGED CITY SCHOOL DISTRICT**  
Project Name  
**PHASE 3: HERITAGE MIDDLE SCHOOL 2019 CAPITAL IMPROVEMENT PROJECT**

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#### PROJECT ISSUE SCHEDULE

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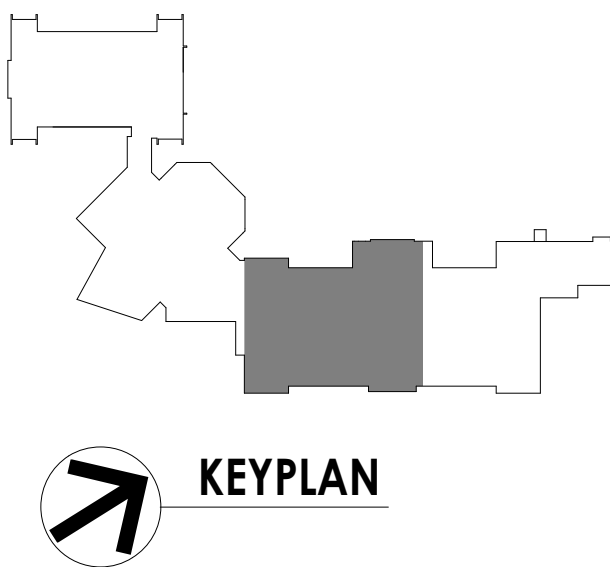
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Checked By  
JJM  
Drawing Title  
THIRD FLOOR HVAC PIPING PLAN - AREA C

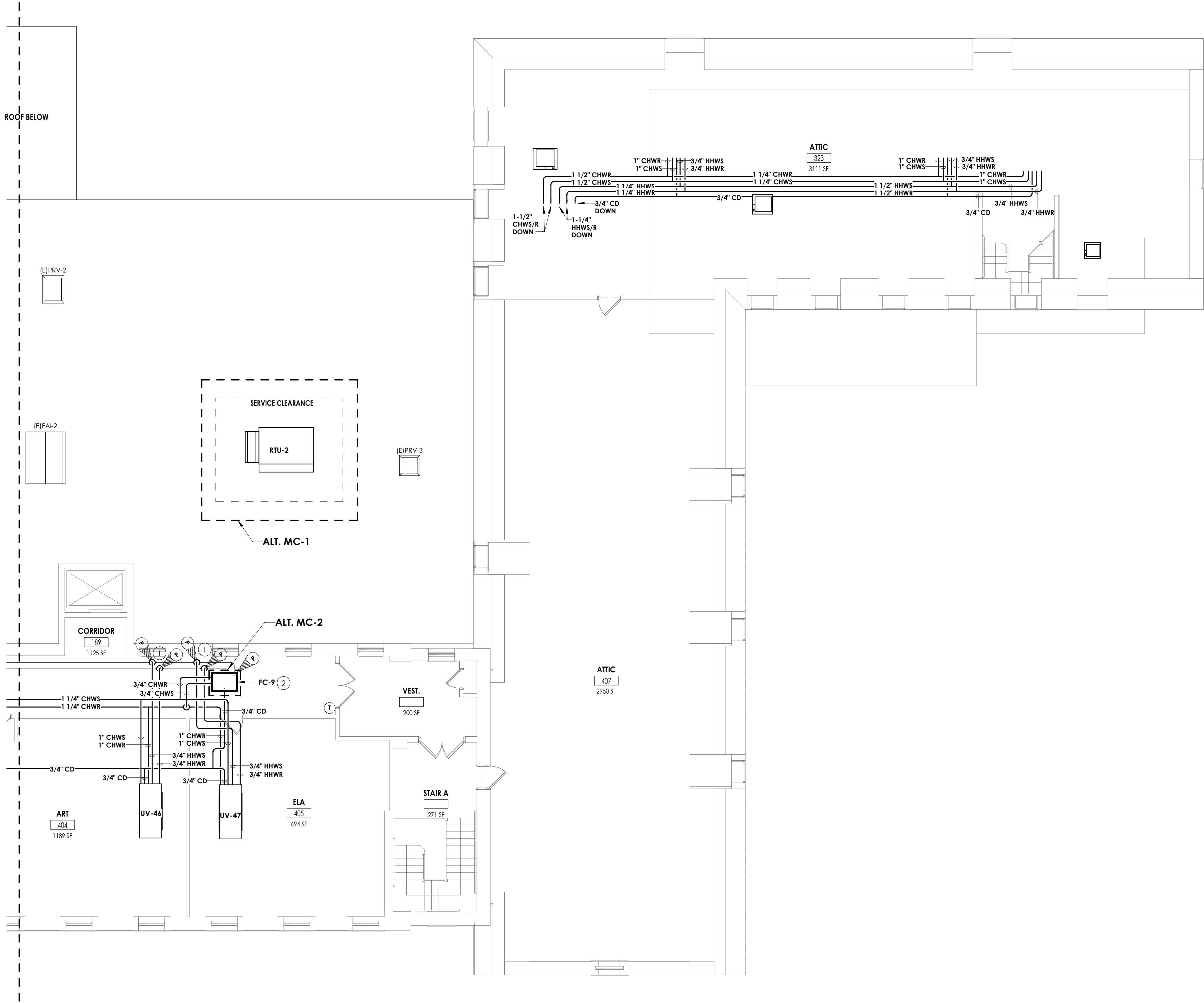
Drawing Number

HMS  
H303C





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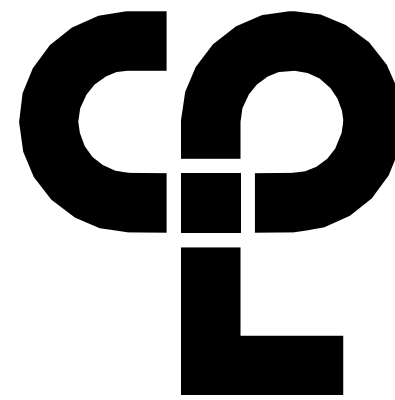
1 THIRD FLOOR HVAC PIPING PLAN - AREA D  
H303D 1/8" = 1'-0"

GENERAL NOTES

1. ALL COOLING EQUIPMENT ABOVE THE CEILING SHALL HAVE SECONDARY DRAIN PANS WITH FLOAT OVERFLOW ALARM CONNECTED TO THE BMS.
2. EXTEND ALL EXISTING CONTROL WIRING TO NEW UNITS. COORDINATE WITH JOHNSON CONTROLS SYSTEMS. SENSORS BY JCS.

KEY NOTES

1. CONNECT NEW PIPING TO EXISTING PIPING AT POINTS INDICTAED. RE-INSULATE ANY EXISTING PIPING AT CONNECTED LOCATIONS.
2. CONNECT TO EXISTING TEMPERATURE CONTROLS.



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PROJECT INFORMATION

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SCHOOL DISTRICT**  
Project Name  
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SCHOOL 2019 CAPITAL  
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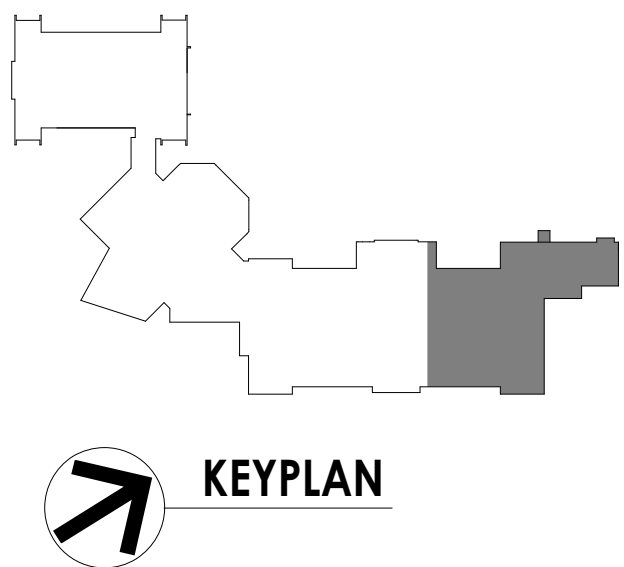
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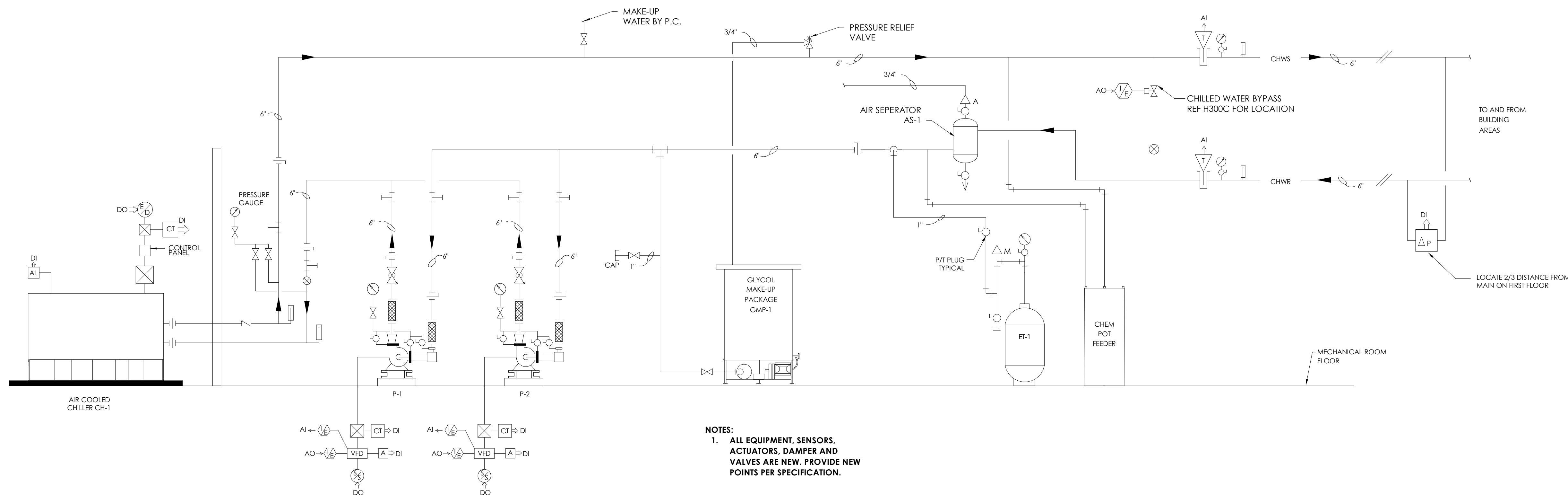
SHEET INFORMATION

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As indicated  
Project Status  
CONSTRUCTION DOCUMENTS  
Drawn By  
NRH  
Checked By  
JJM  
Drawing Title  
THIRD FLOOR HVAC PIPING PLAN  
- AREA D

Drawing Number  
HMS  
H303D



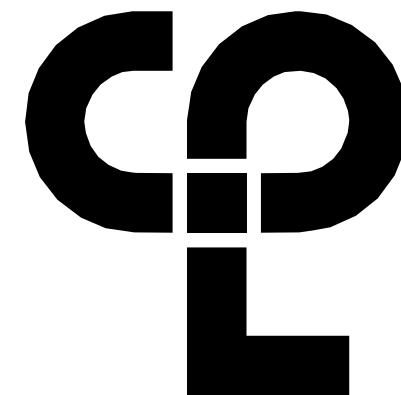
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NOTES:  
1. ALL EQUIPMENT, SENSORS, ACTUATORS, DAMPER AND VALVES ARE NEW. PROVIDE NEW POINTS PER SPECIFICATION.

1 CHILLED WATER SYSTEM CONTROL SCHEMATIC  
H500 SCALE: NOT TO SCALE

- CONTROLS NOTES:
- CONFIRM ALL EXISTING CONTROLS AND SEQUENCES BEFORE REMOVAL OF ANY KIND.
  - ALL CLASSROOM TEMPERATURE SENSORS ARE TO REMAIN EXISTING AND WILL BE PRE-INSTALLED BY JOHNSON CONTROLS BEFORE THIS PROJECT HAS INITIATED.
  - UNIT VENTILATORS THAT HAVE BEEN REMOVED SHALL HAVE THE CONTROLS WIRING EXTENDED TO THE NEW LOCATION. NEW CONTROL VALVES AND NEW COOLING CONTROL POINTS.
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  - REFER TO THE INDIVIDUAL CONTROL DIAGRAMS AND SCHEDULES FOR MORE CONTROLS INFORMATION.



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NEWBURGH, NY 12550  
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PROJECT INFORMATION

Project Number

13940.18

Client Name

NEWBURGH ENLARGED CITY  
SCHOOL DISTRICT

Project Name

PHASE 3: HERITAGE MIDDLE  
SCHOOL 2019 CAPITAL  
IMPROVEMENT PROJECT

Project Address

405 Union Avenue, New Windsor, NY 12553

SED Number

44-16-00-01-0-039-011

PROJECT ISSUE SCHEDULE

No. Date Description

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SHEET INFORMATION

Issued

09/09/2021

Scale

12" = 1'-0"

Project Status

CONSTRUCTION DOCUMENTS

Drawn By

NRH

Checked By

JJM

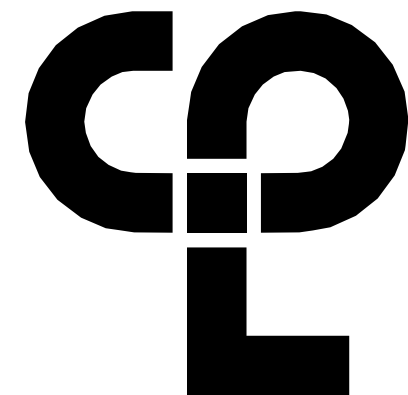
Drawing Title

HVAC CONTROL SCHEMATICS

Drawing Number

HMS  
H500





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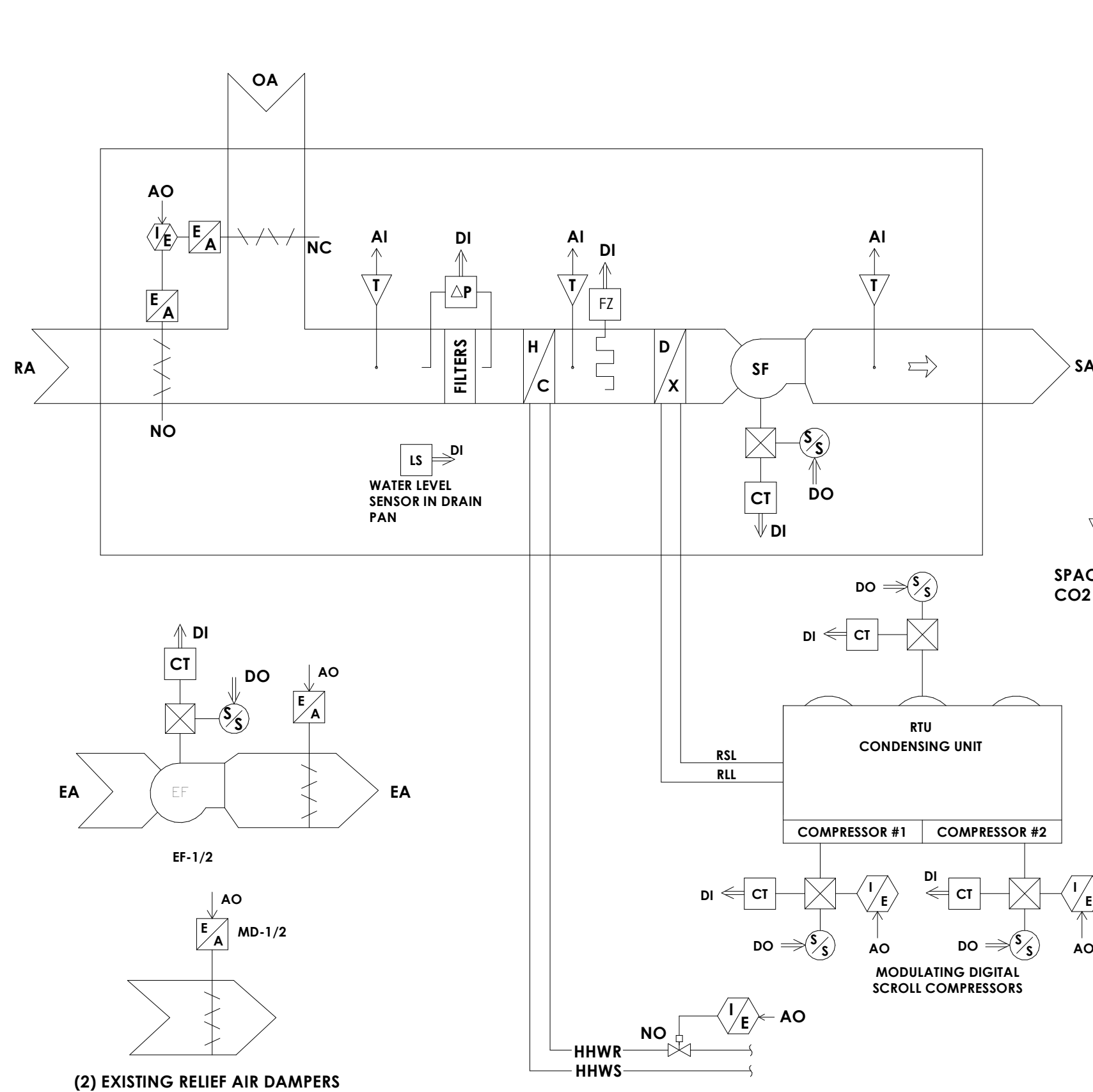
Project Address  
405 Union Avenue, New Windsor, NY 12553

SED Number  
44-16-00-01-0-039-011

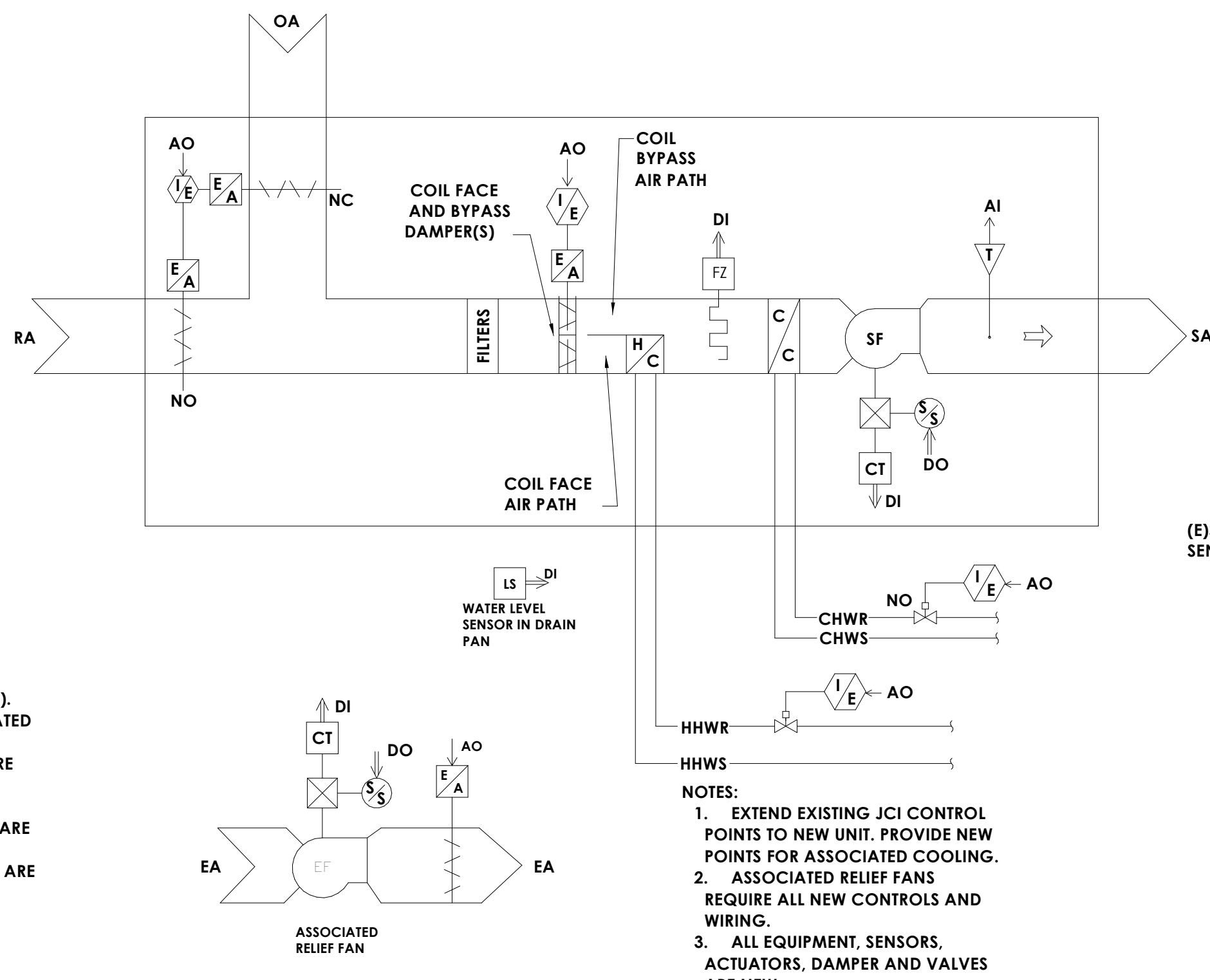
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No. Date Description

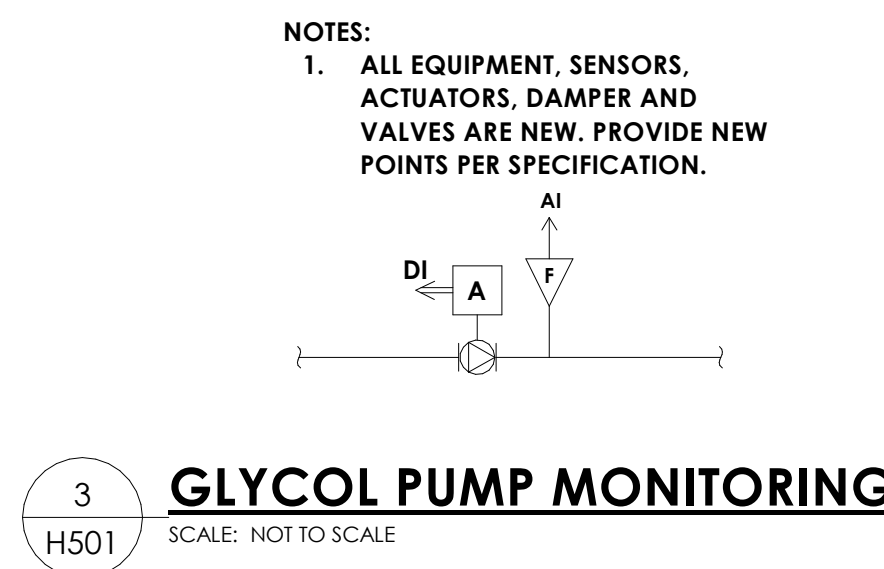
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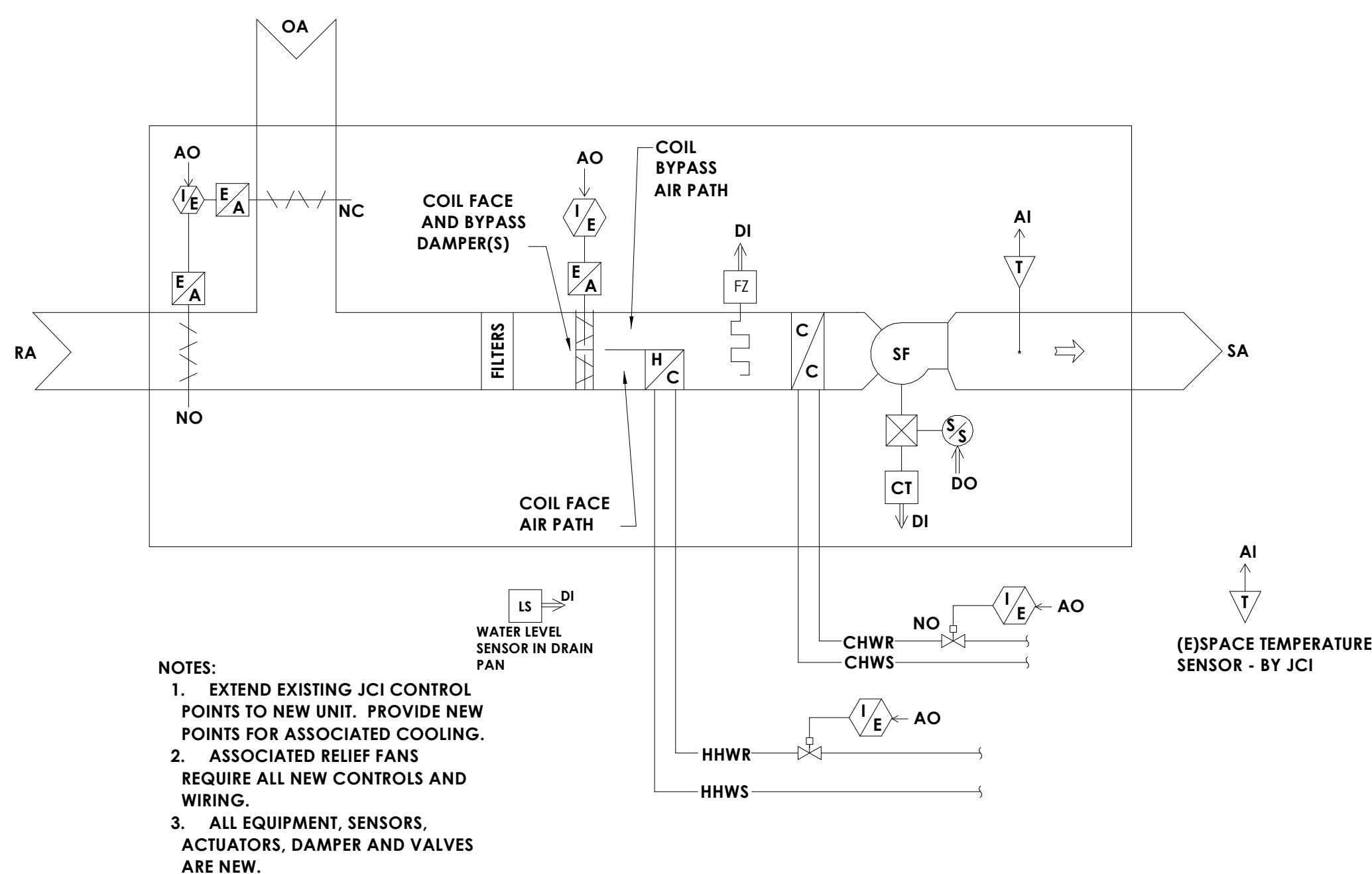
1 AHU-1,2,3,4 CONTROL SCHEMATIC  
H501 NOT TO SCALE



2 ABOVE CEILING UNIT VENTILATOR CONTROL SCHEMATIC  
H501 NOT TO SCALE



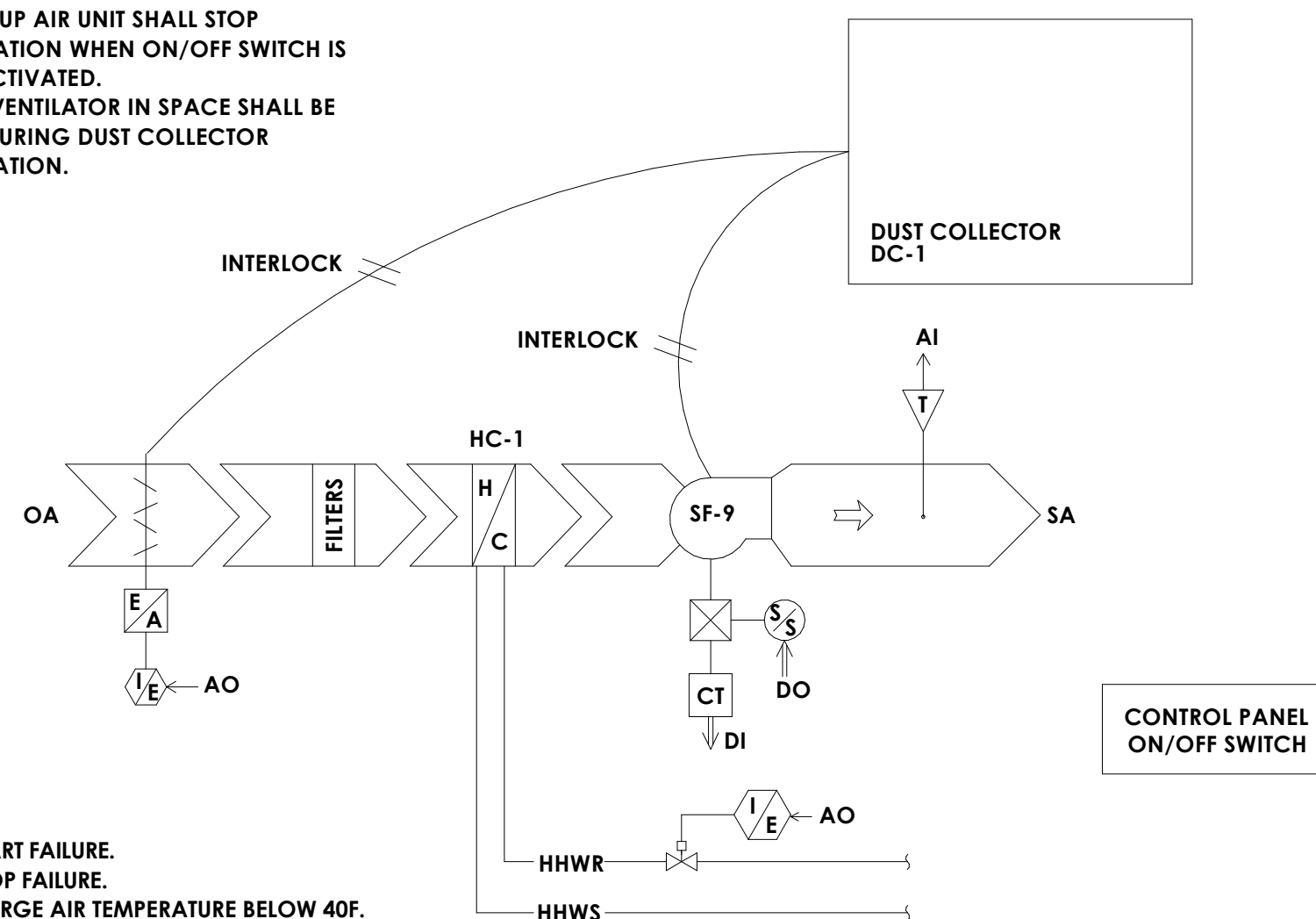
3 GLYCOL PUMP MONITORING  
H501 SCALE: NOT TO SCALE



4 FLOOR MOUNTED UNIT VENTILATOR CONTROL SCHEMATIC  
H501 NOT TO SCALE

- SEQUENCE OF OPERATIONS:
- DUST COLLECTOR AND ASSOCIATED MAKEUP AIR UNIT SHALL OPERATE WHEN ON/OFF SWITCH IS ACTIVATED.
  - CONTROL VALVE SHALL MODULATE TO MAINTAIN SETPOINT (70F ADJ.).
  - DUST COLLECTOR AND ASSOCIATED MAKEUP AIR UNIT SHALL STOP OPERATION WHEN ON/OFF SWITCH IS DE-ACTIVATED.
  - UNIT VENTILATOR IN SPACE SHALL BE OFF DURING DUST COLLECTOR OPERATION.

- NOTES:
- ALL EQUIPMENT, SENSORS, ACTUATORS, DAMPER AND VALVES ARE NEW.
  - ALL POINTS ARE NEW.



- ALARMS
- FAN START FAILURE.
  - FAN STOP FAILURE.
  - DISCHARGE AIR TEMPERATURE BELOW 40F.
  - CONTROL VALVE FAILURE.
  - OA DAMPER FAILURE.

5 DUST COLLECTOR MAKEUP AIR CONTROL SCHEMATIC  
H501 NOT TO SCALE

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#### SHEET INFORMATION

Issued  
09/09/2021

Scale  
12" = 1'-0"

Project Status  
CONSTRUCTION DOCUMENTS

Drawn By  
NRH

Checked By  
JJM

Drawing Title  
HVAC CONTROL SCHEMATICS

Drawing Number

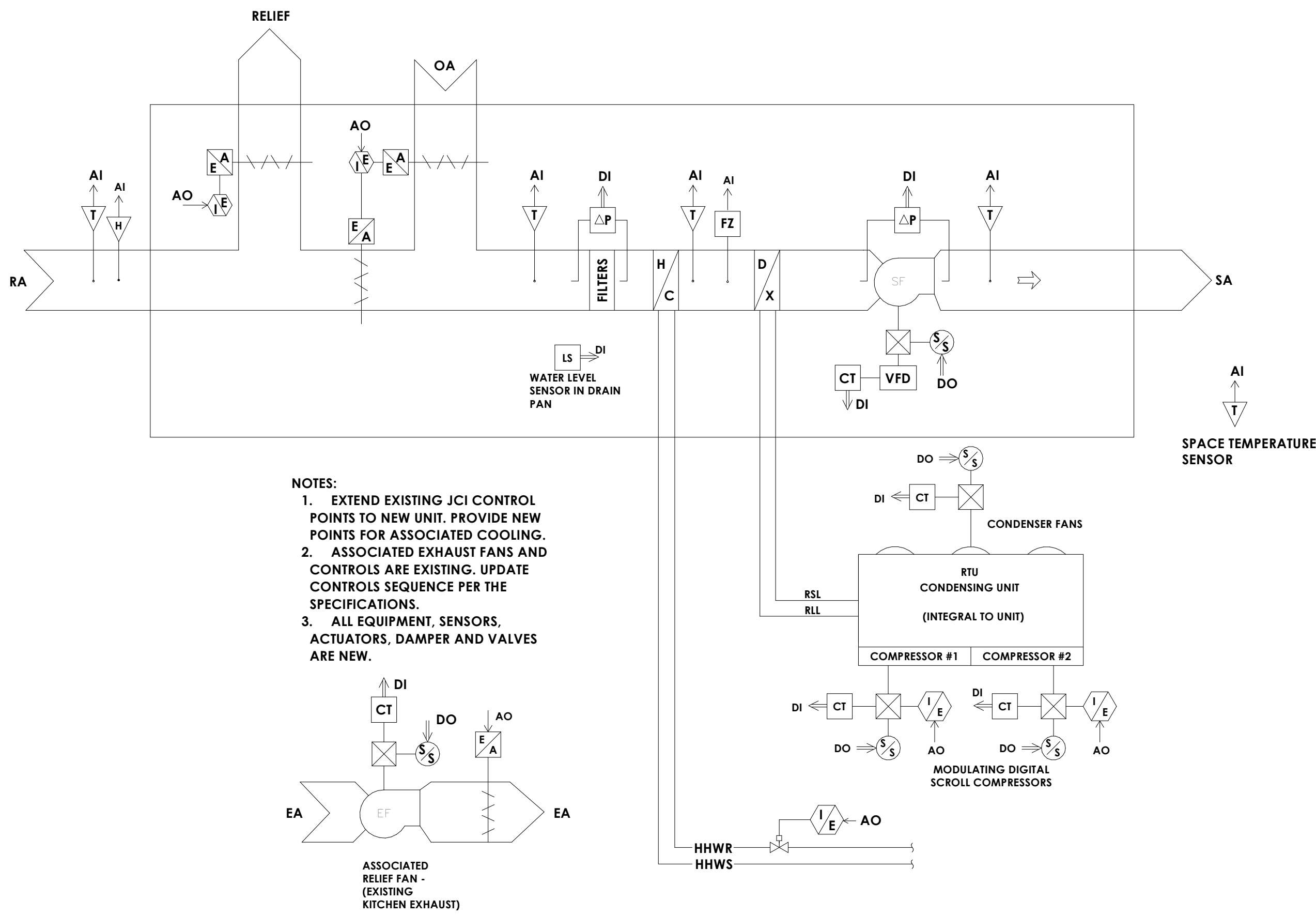
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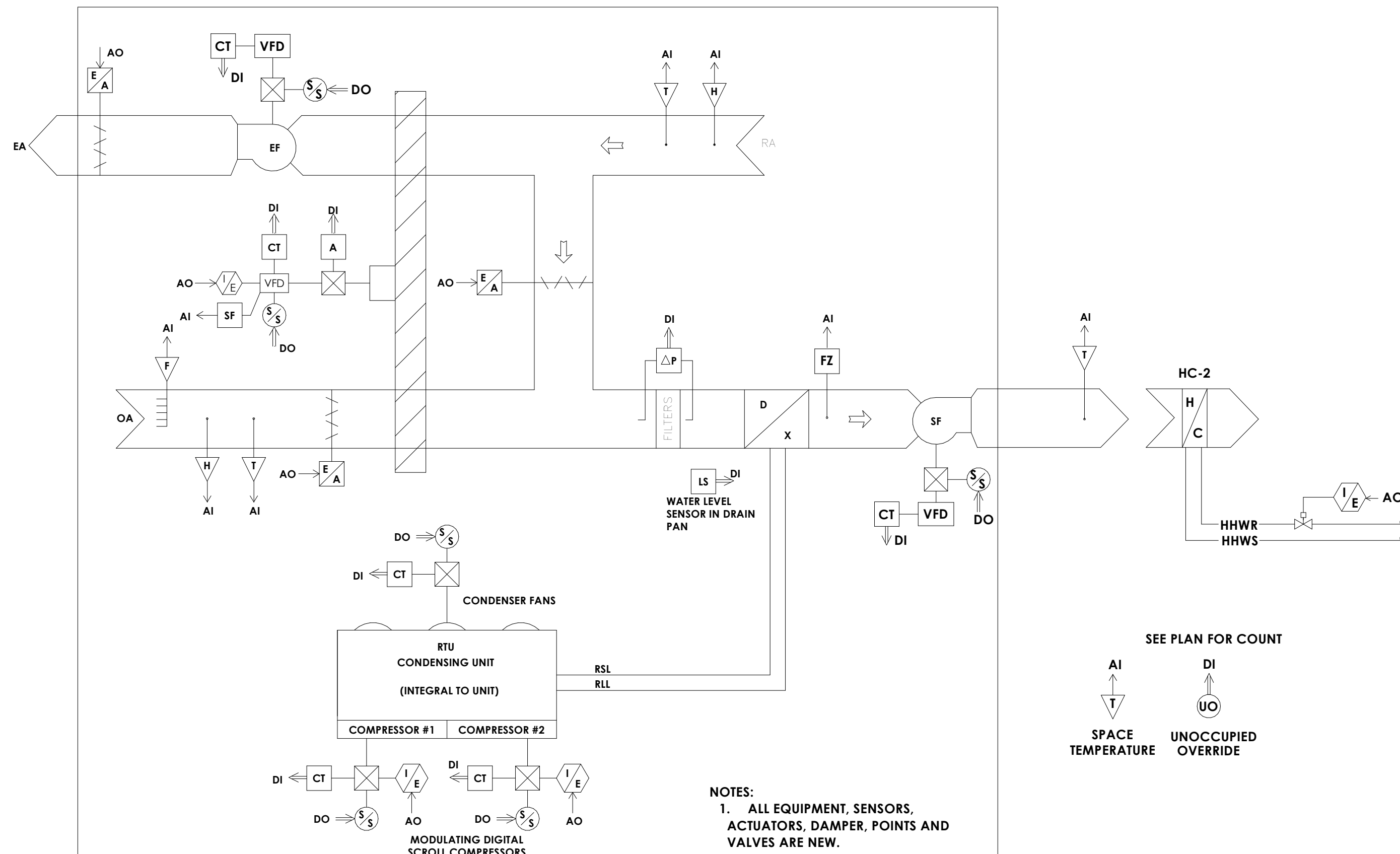


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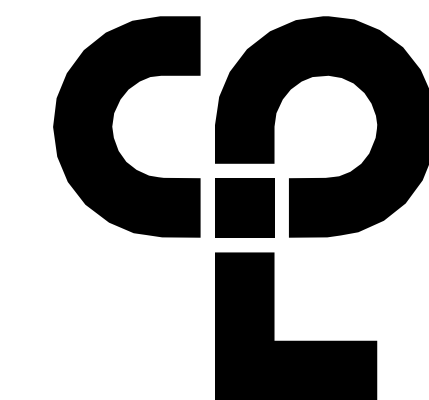


1 AHU-5 (KITCHEN) CONTROL SCHEMATIC  
H503 NOT TO SCALE



2 RTU-4 (CAFETERIA) CONTROL SCHEMATIC  
H503 NOT TO SCALE

- CONTROLS NOTES:
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#### PROJECT INFORMATION

Project Number  
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SCHOOL DISTRICT

Project Name

PHASE 3: HERITAGE MIDDLE  
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Project Status

CONSTRUCTION DOCUMENTS

Drawn By

NRH

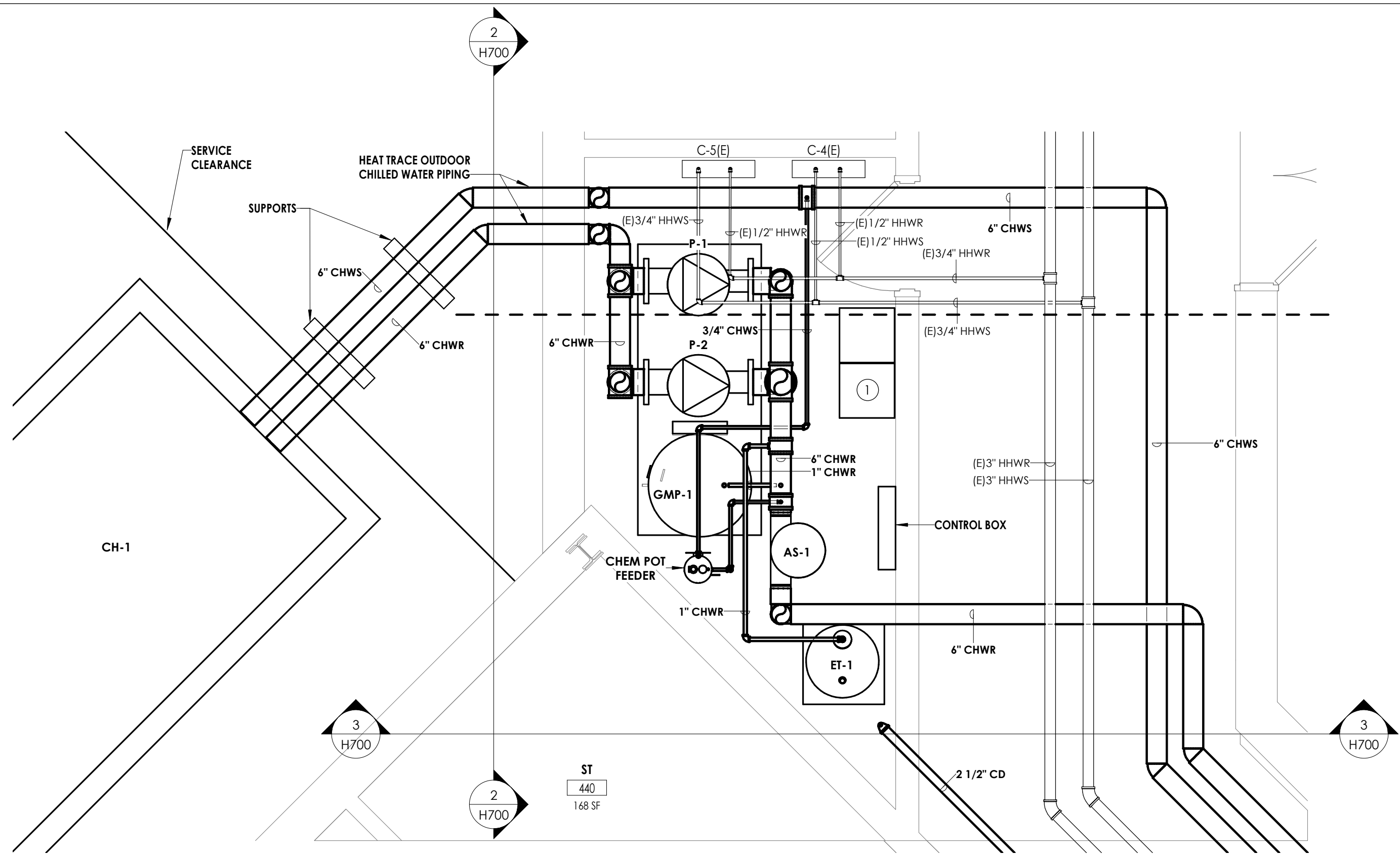
Drawing Title

HVAC CONTROL SCHEMATICS

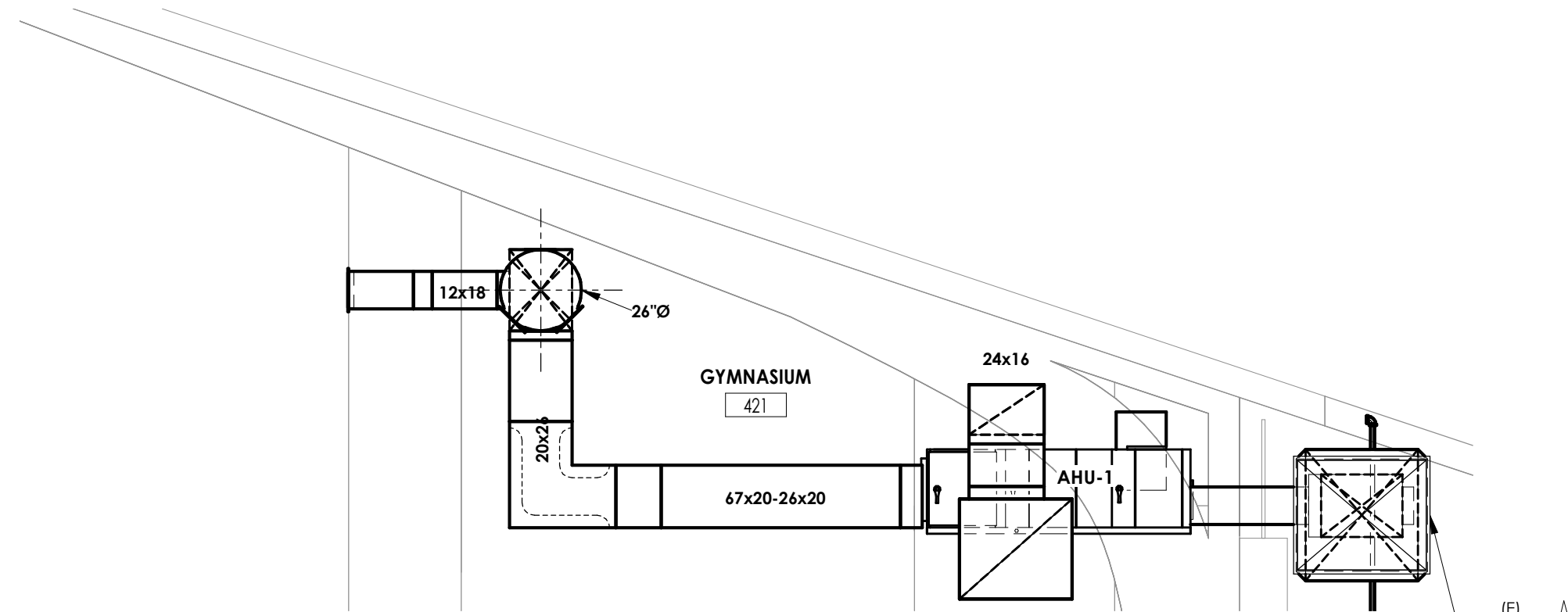
Drawing Number

HMS  
H503

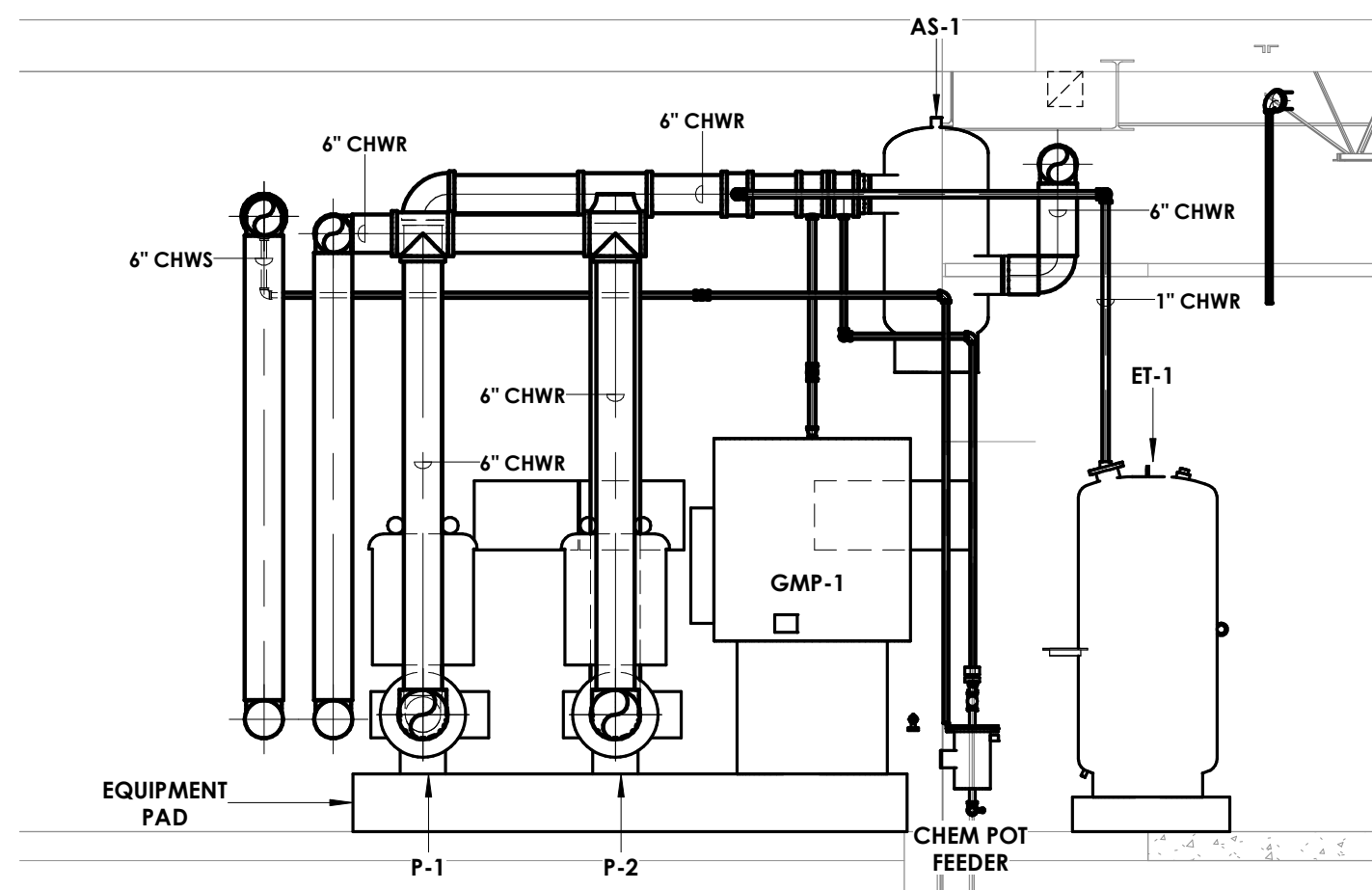
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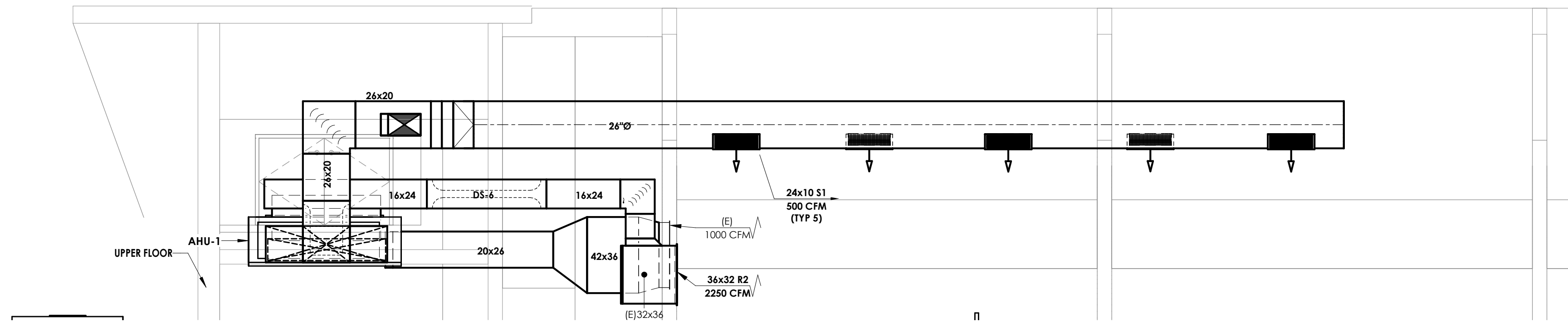
1 GROUND FLOOR HVAC PIPING PLAN - AREA B PUMP ROOM  
3/8" = 1'-0"



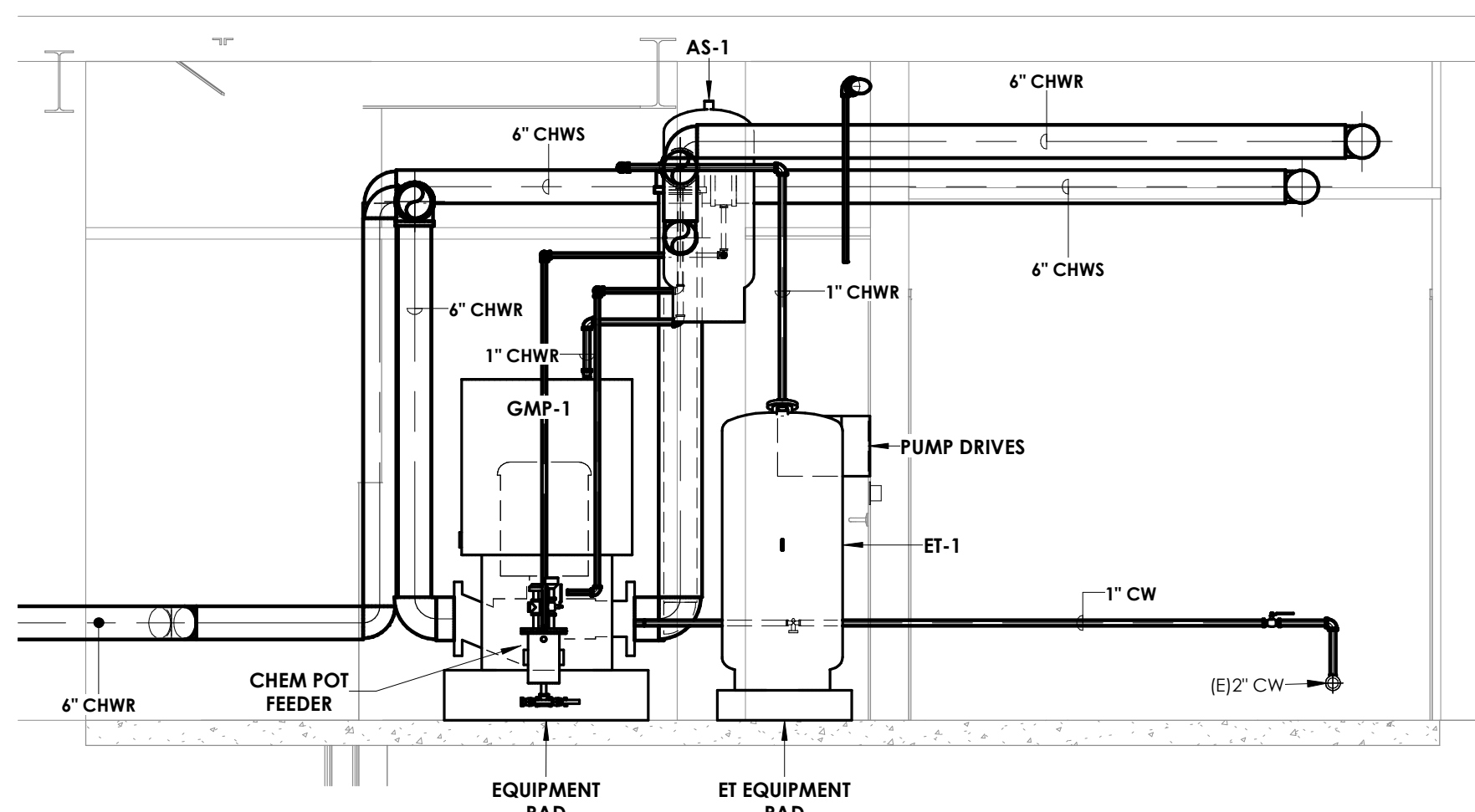
4 SECTION OF GYM AHU  
1/4" = 1'-0"



2 SECTION OF PUMP ROOM  
3/8" = 1'-0"



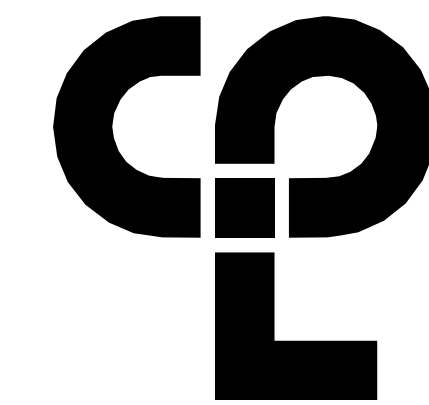
5 ELEVATION OF GYM AHU  
1/4" = 1'-0"



3 ELEVATION OF PUMP ROOM  
3/8" = 1'-0"

#### KEY NOTES

- 1 PUMP DRIVES.



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#### PROJECT INFORMATION

Project Number  
13940.18  
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NEWBURGH ENLARGED CITY  
SCHOOL DISTRICT  
Project Name  
PHASE 3: HERITAGE MIDDLE  
SCHOOL 2019 CAPITAL  
IMPROVEMENT PROJECT

Project Address  
405 Union Avenue, New Windsor, NY 12553

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44-16-00-01-0-039-011

#### PROJECT ISSUE SCHEDULE

No. Date Description

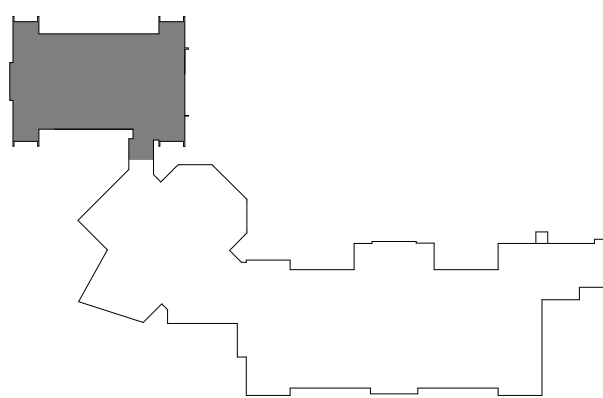
IT IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW  
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Issued  
09/09/2021  
Scale  
As indicated  
Project Status  
CONSTRUCTION DOCUMENTS  
Drawn By  
NRH  
Checked By  
JJM  
Drawing Title  
HVAC ENLARGED PLANS

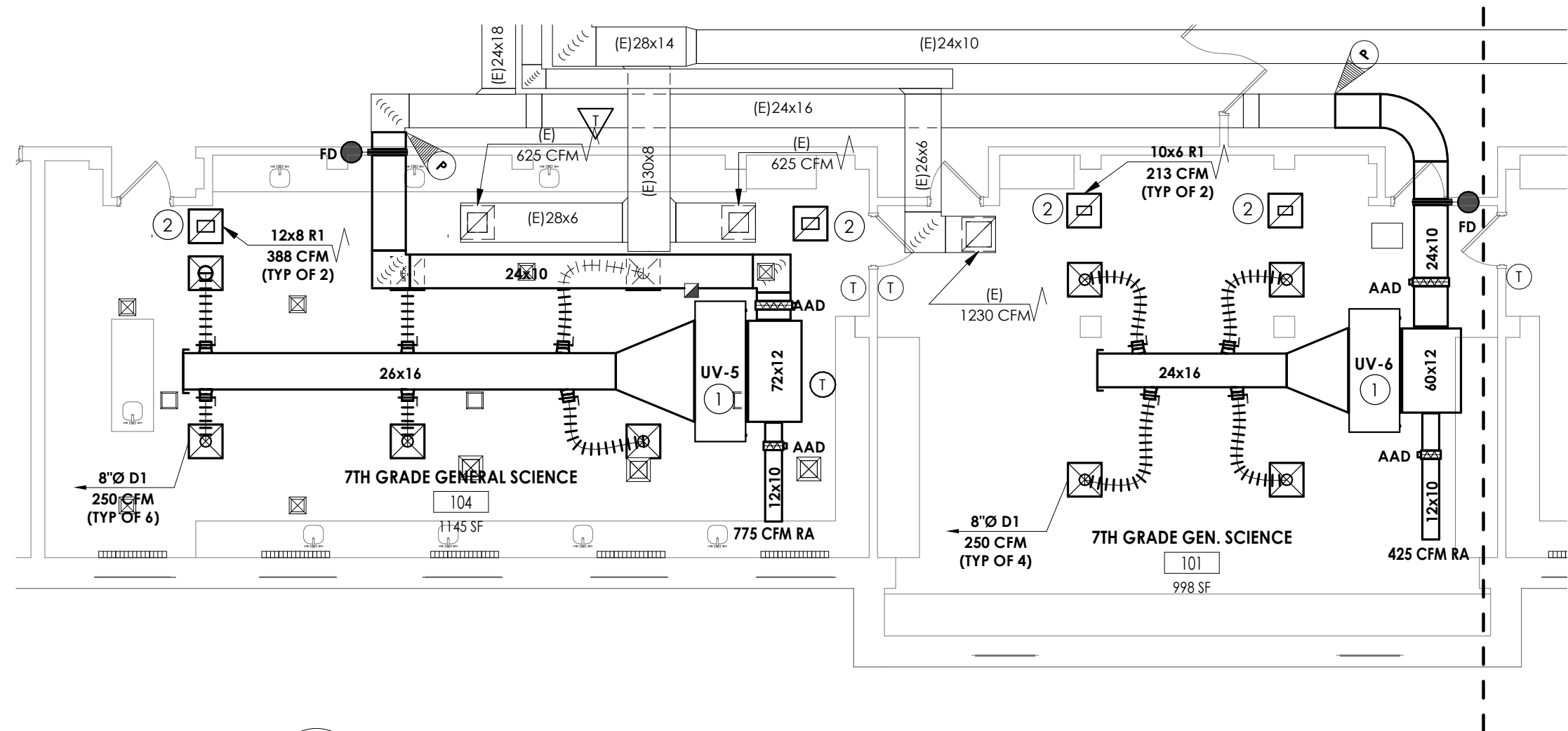
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HMS  
H700

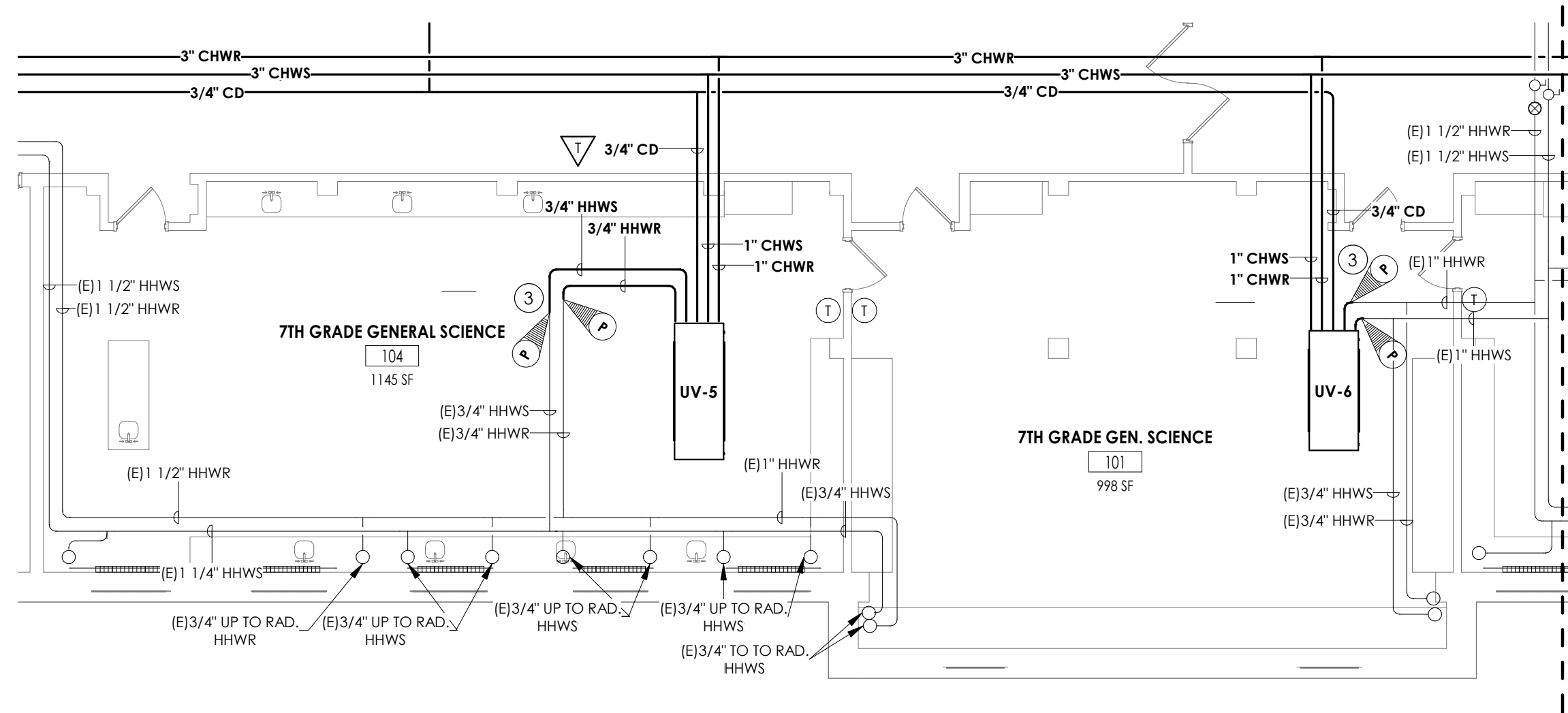




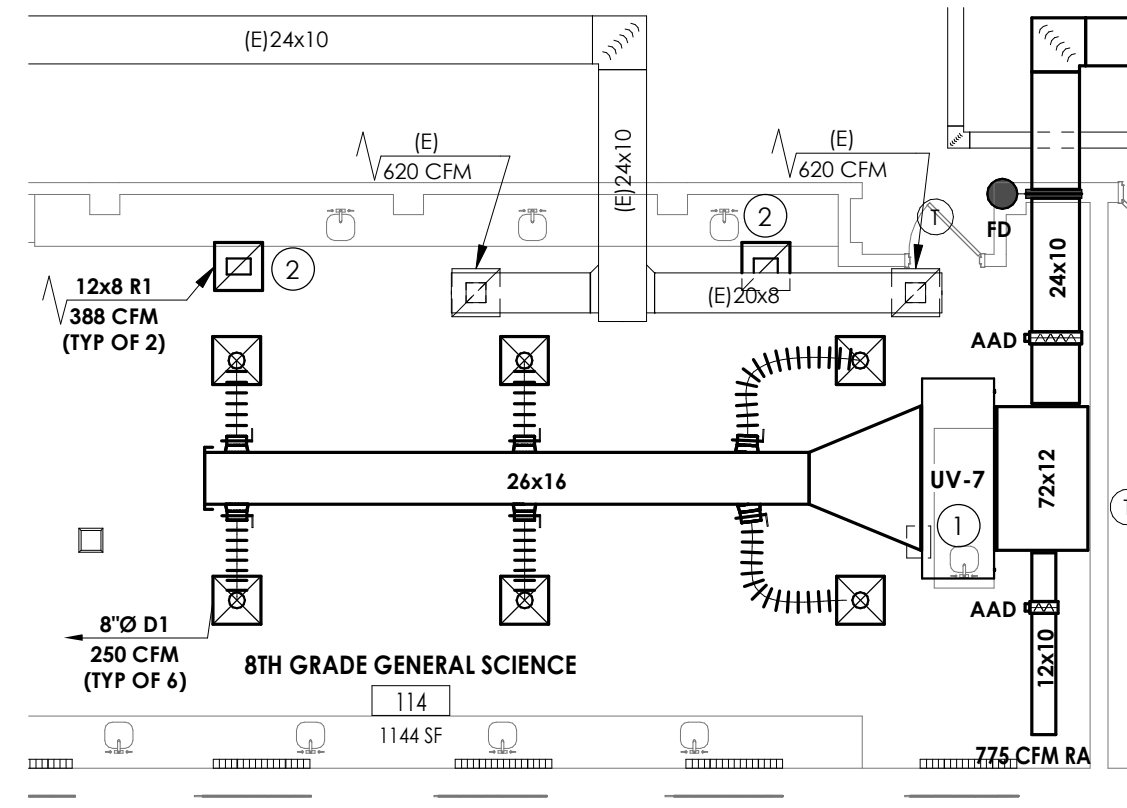
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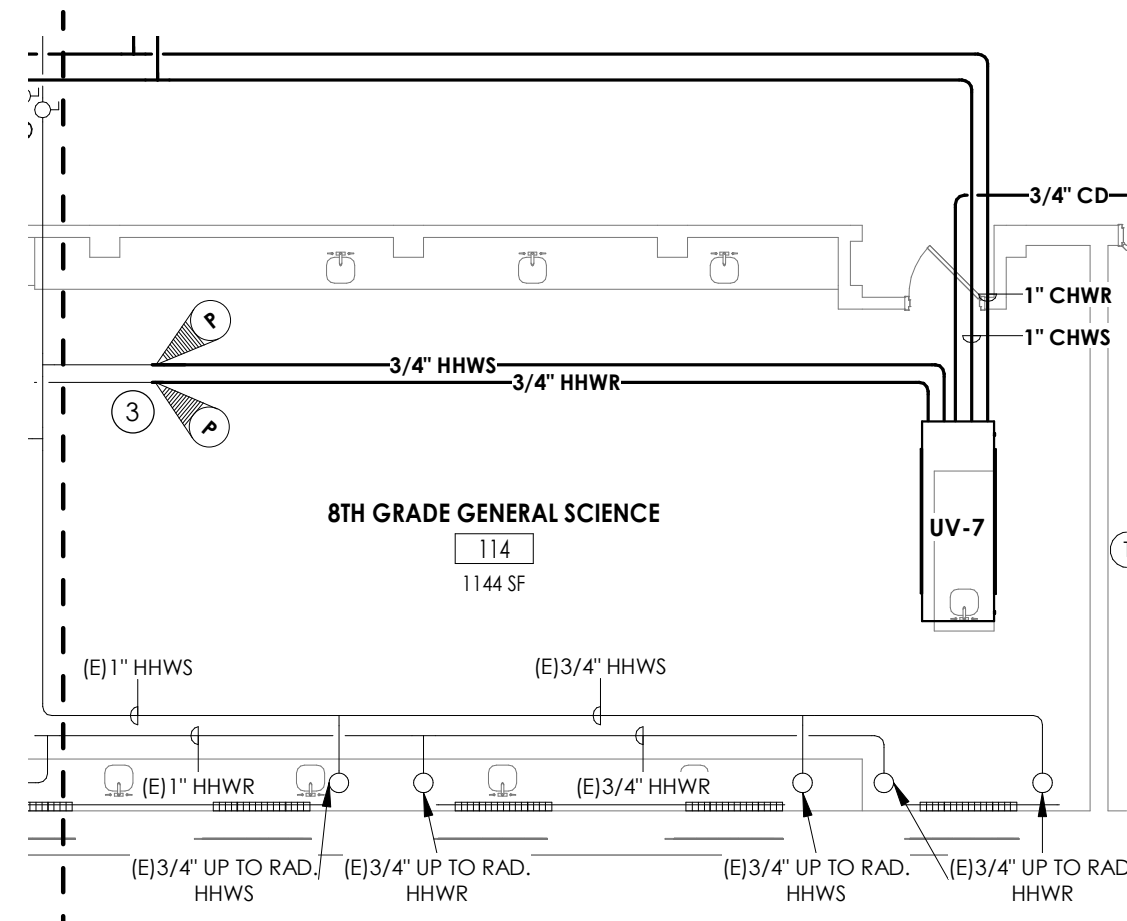
1 GROUND FLOOR HVAC DUCTWORK - AREA C ALTERNATE MC-3  
H701 1/8" = 1'-0"



2 GROUND FLOOR HVAC PIPING PLAN - AREA C ALTERNATE MC-3  
H701 1/8" = 1'-0"



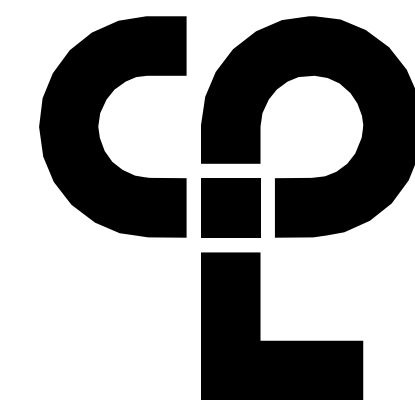
3 GROUND FLOOR HVAC DUCTWORK - AREA D ALTERNATE MC-3  
H701 1/8" = 1'-0"



4 GROUND FLOOR HVAC PIPING PLAN - AREA D ALTERNATE MC-3  
H701 1/8" = 1'-0"

#### KEY NOTES

- 1 MOUNT UNIT VENTILATOR ABOVE CEILING. COORDINATE WITH ANY CEILING UTILITIES. MAINTAIN ACCESS FOR FILTER CHANGES. ALL SUPPLY AND RETURN DUCTWORK SHALL BE LINED. EXTEND EXISTING CONTROLS TO NEW UNIT LOCATION.
- 2 PLENUM RETURN.
- 3 CONNECT NEW PIPING TO EXISTING PIPING AT POINTS INDICTAED. RE-INSULATE ANY EXISTING PIPING AT CONNECTED LOCATIONS.



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#### PROJECT INFORMATION

Project Number  
13940.18  
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NEWBURGH ENLARGED CITY  
SCHOOL DISTRICT  
Project Name  
PHASE 3: HERITAGE MIDDLE  
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IMPROVEMENT PROJECT

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405 Union Avenue, New Windsor, NY 12553

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44-16-00-01-0-039-011

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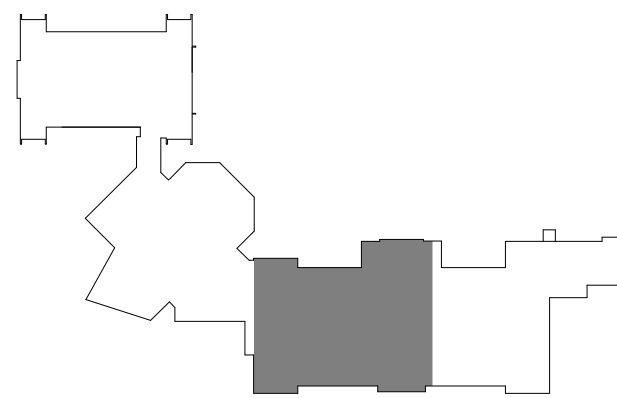
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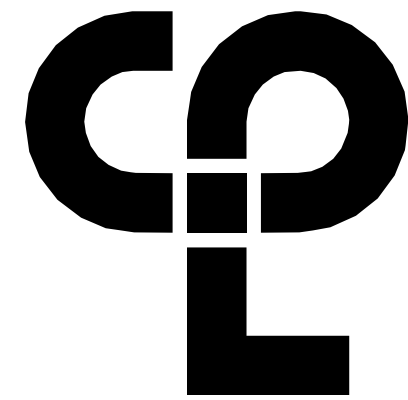
#### SHEET INFORMATION

Issued  
09/09/2021  
Scale  
As indicated  
Project Status  
CONSTRUCTION DOCUMENTS  
Drawn By  
NRH  
Checked By  
JJM  
Drawing Title  
HVAC ALTERNATE PLANS

Drawing Number

HMS  
H701





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Issued	Scale
07/13/21	1/8" = 1'-0"

Project Status

#### CONSTRUCTION DOCUMENTS

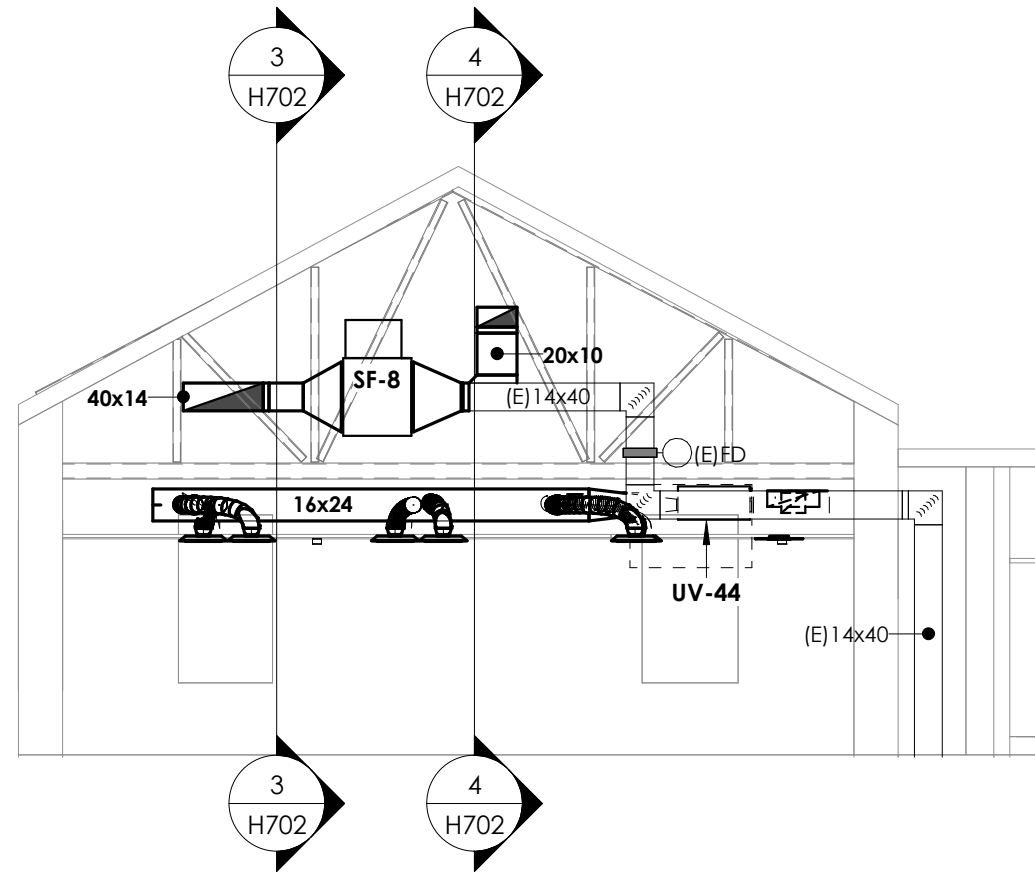
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Author	Checker

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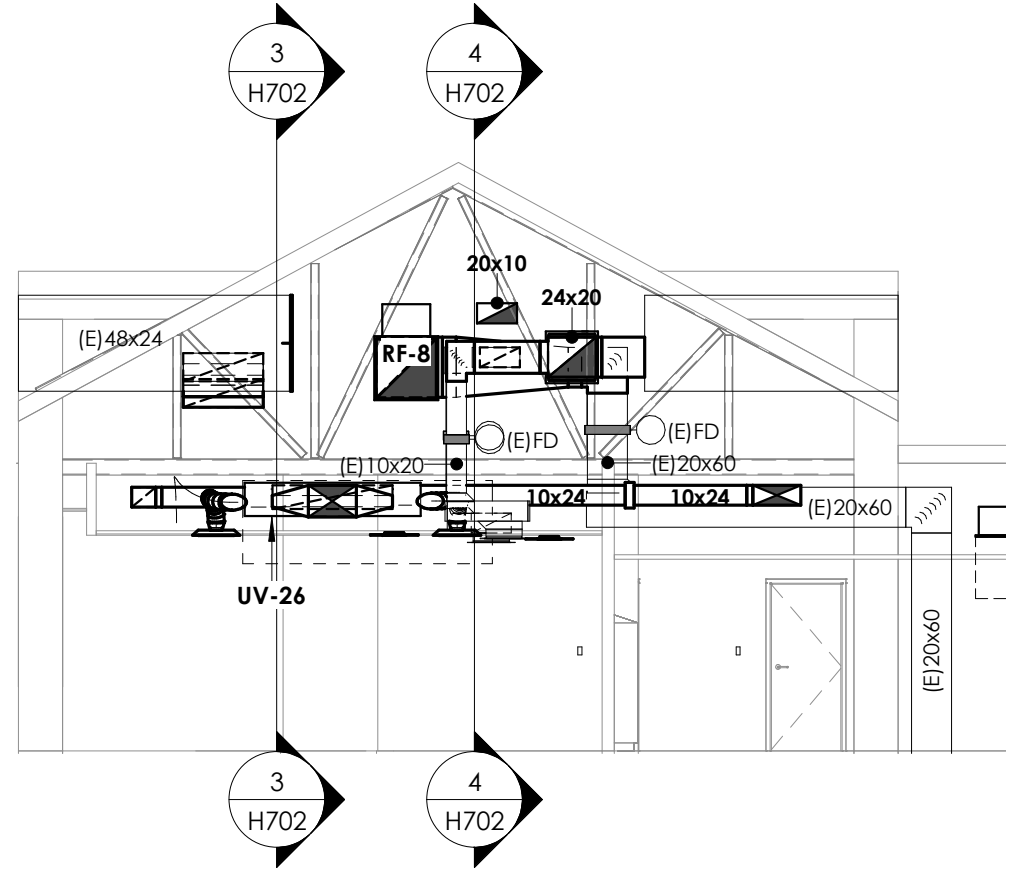
HVAC SECTIONS

Drawing Number

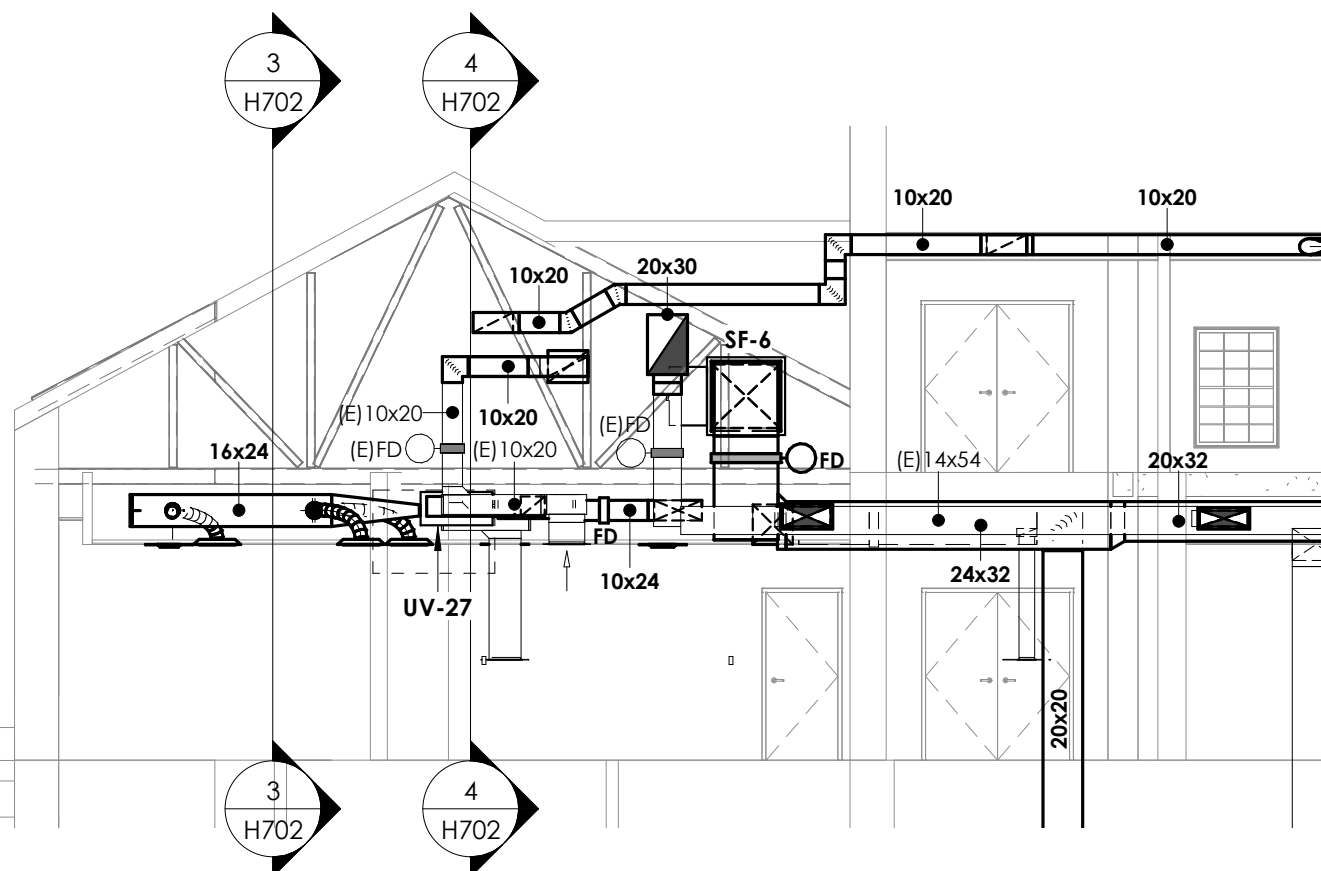
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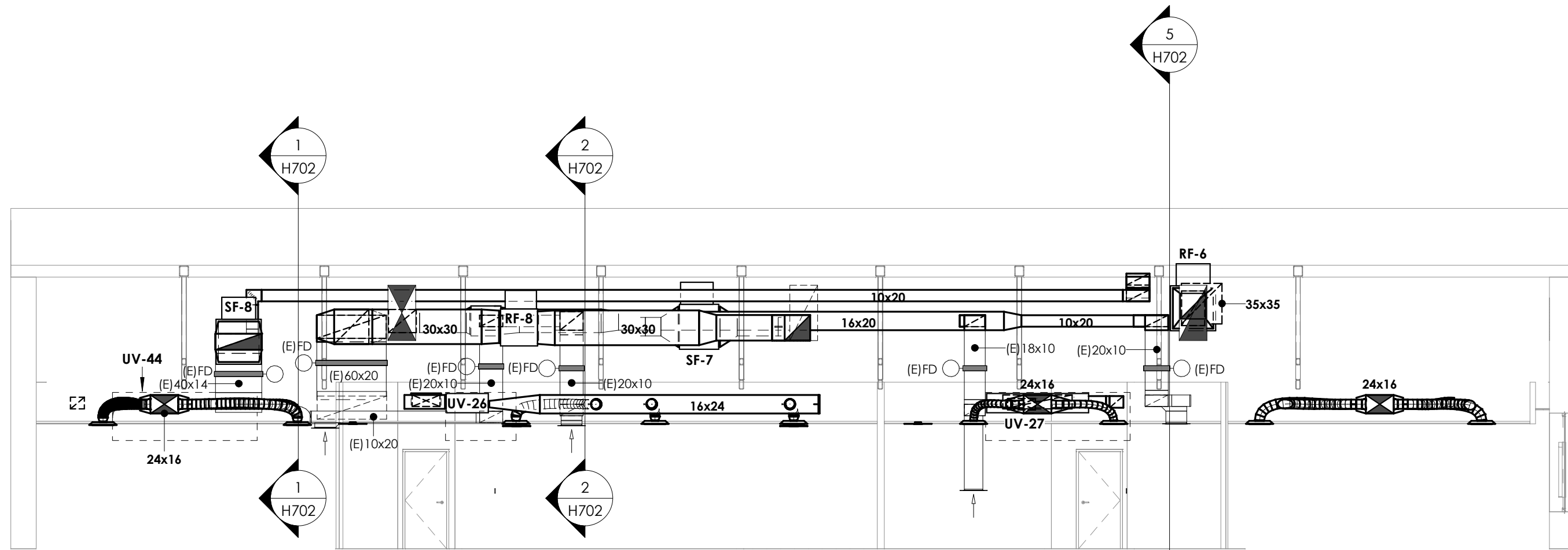
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1/8" = 1'-0"



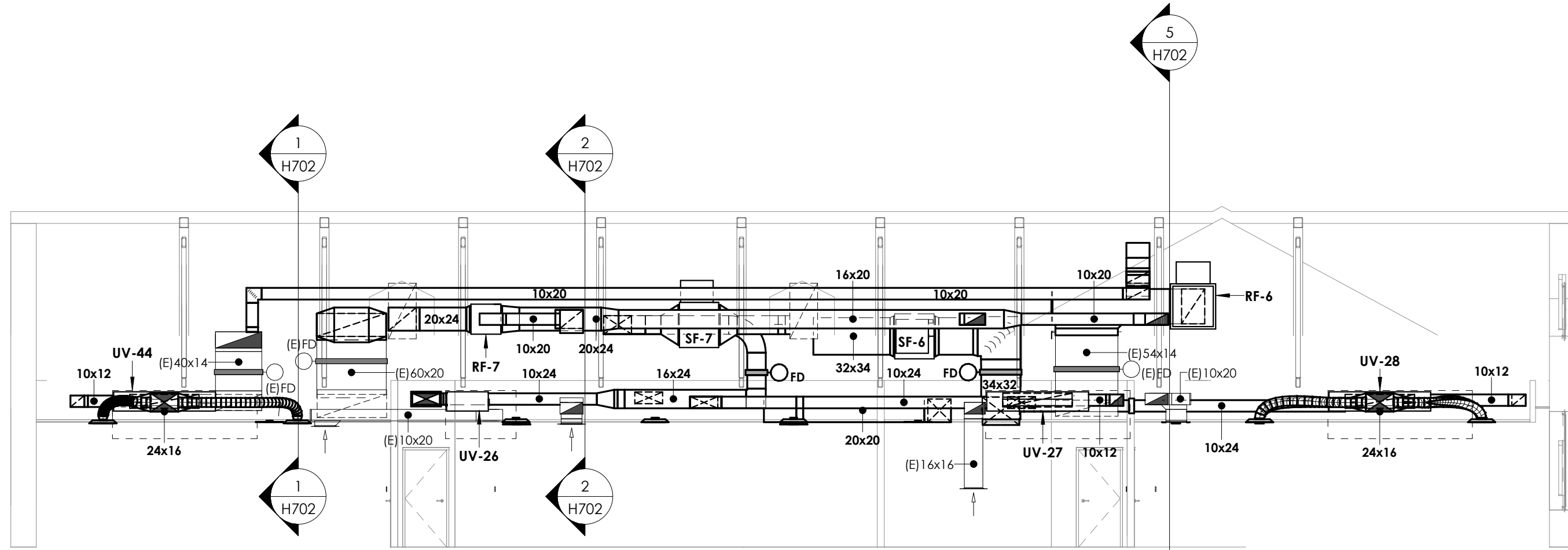
**2 AREA C SECTION #2**  
1/8" = 1'-0"



**5 AREA C SECTION #5**  
1/8" = 1'-0"



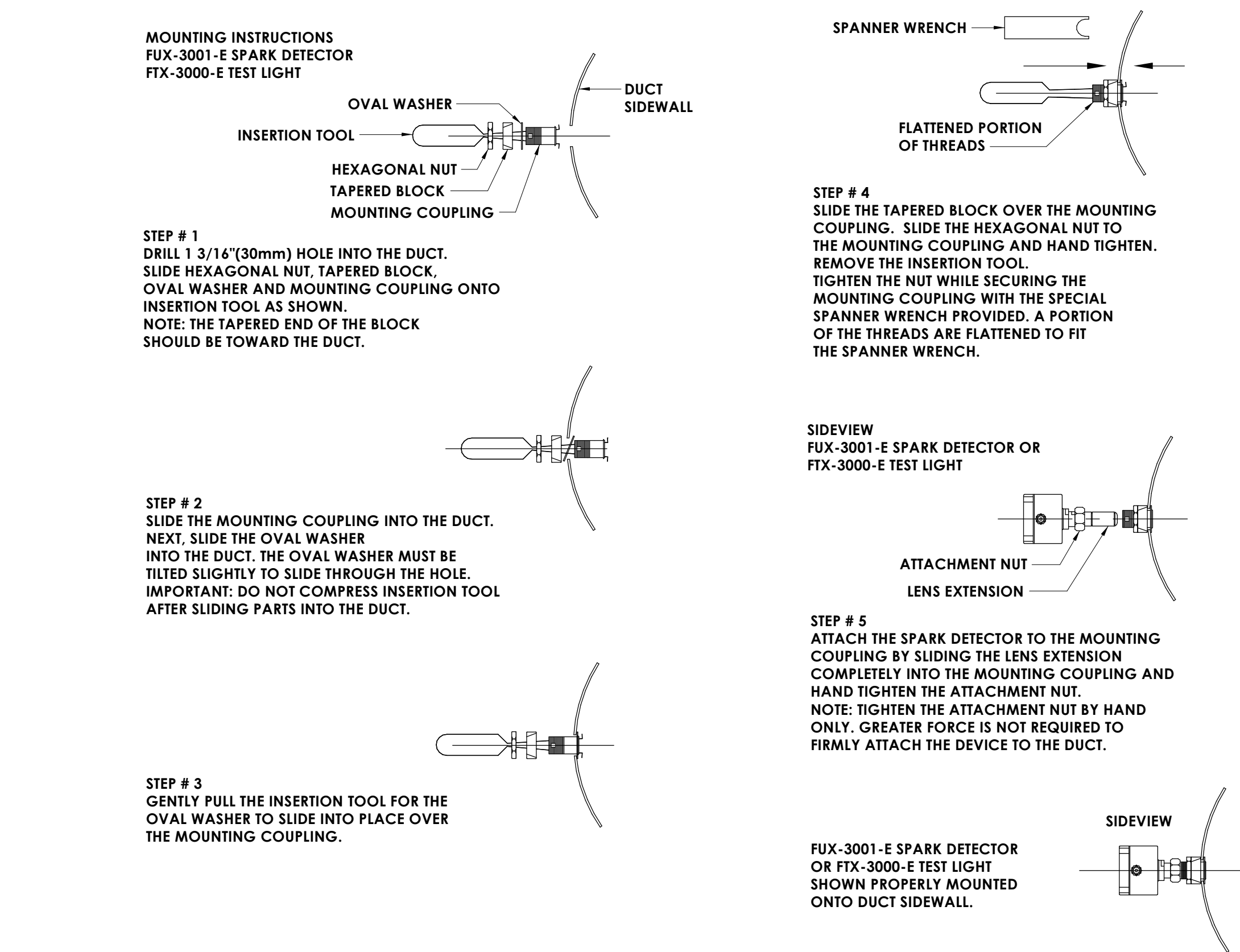
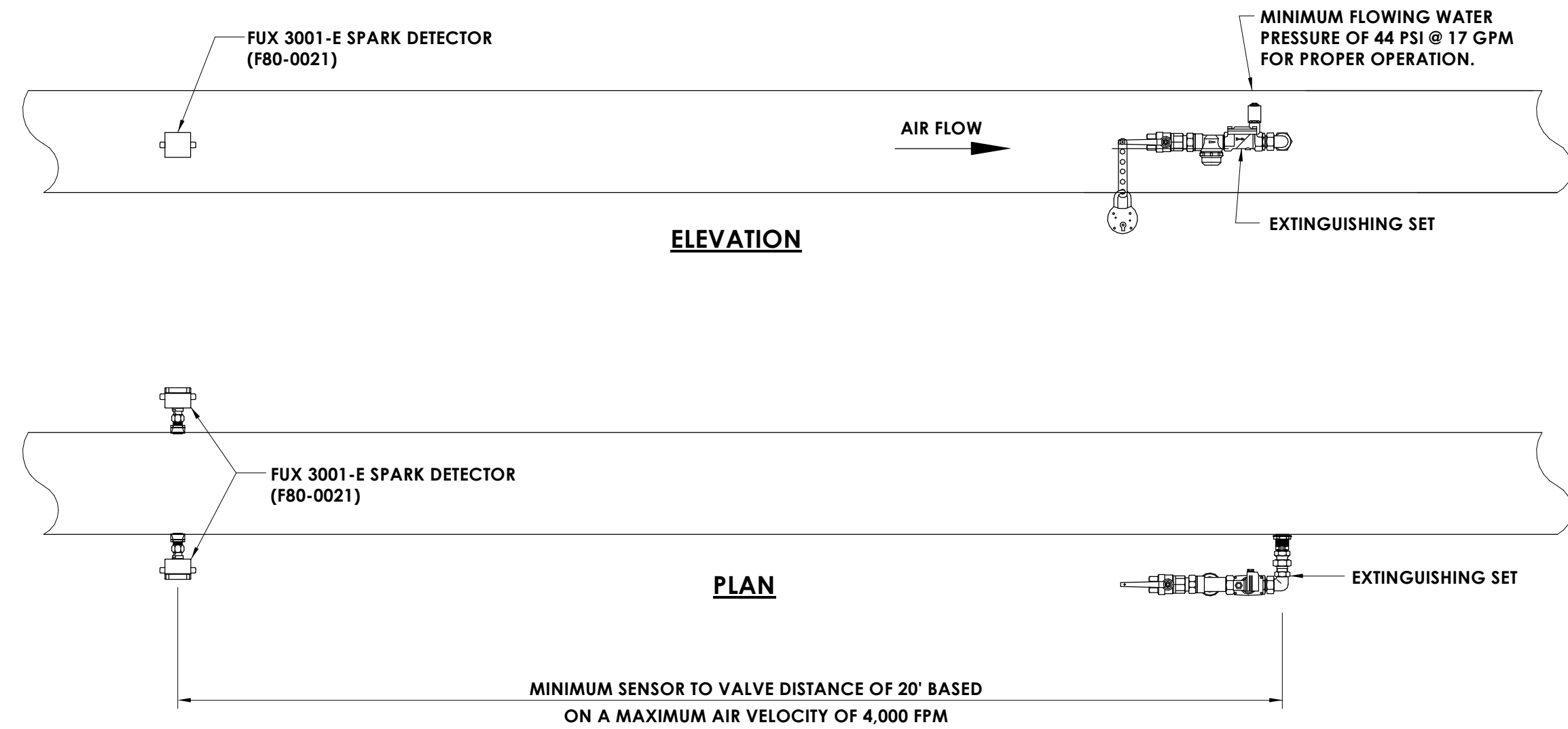
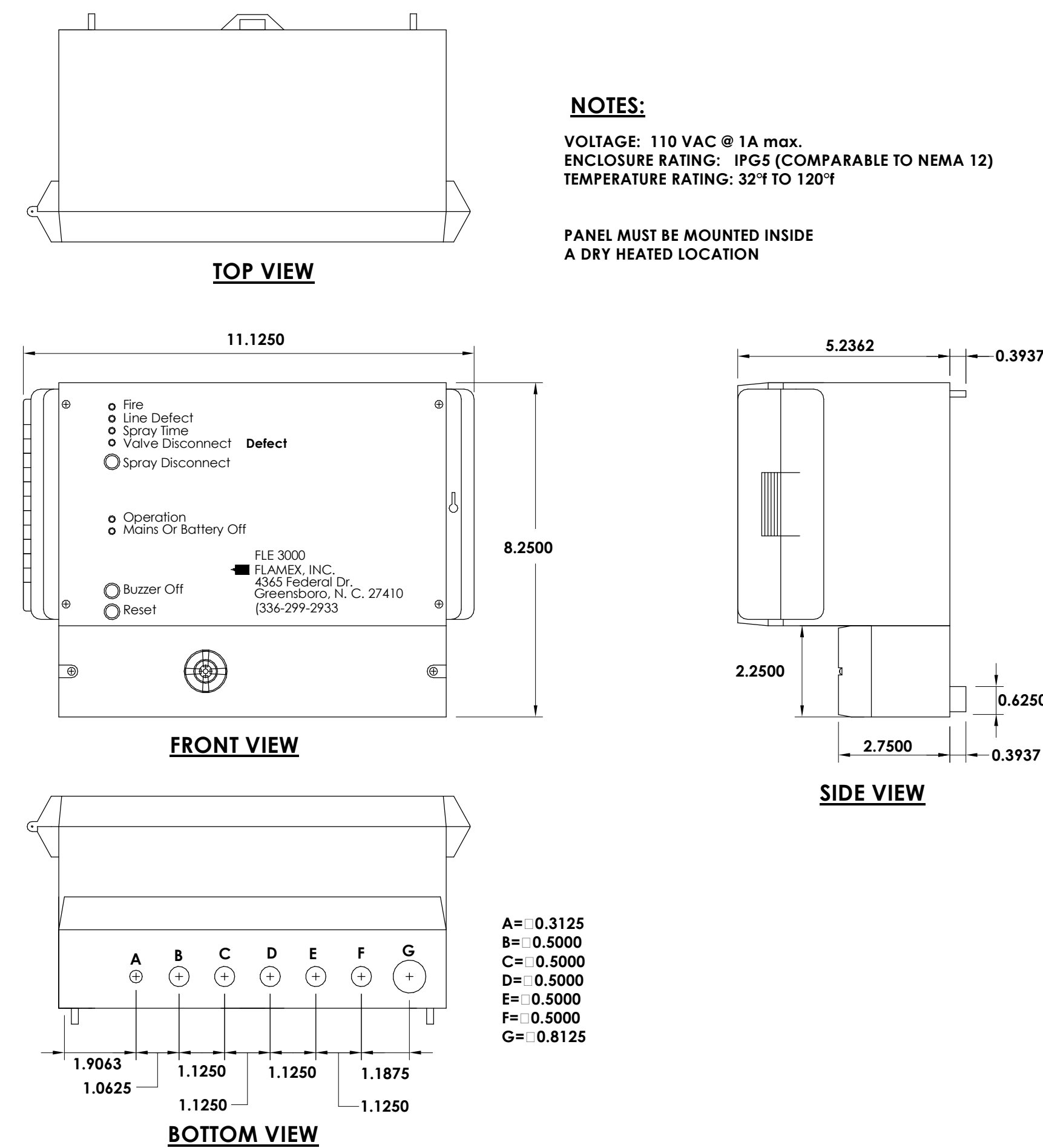
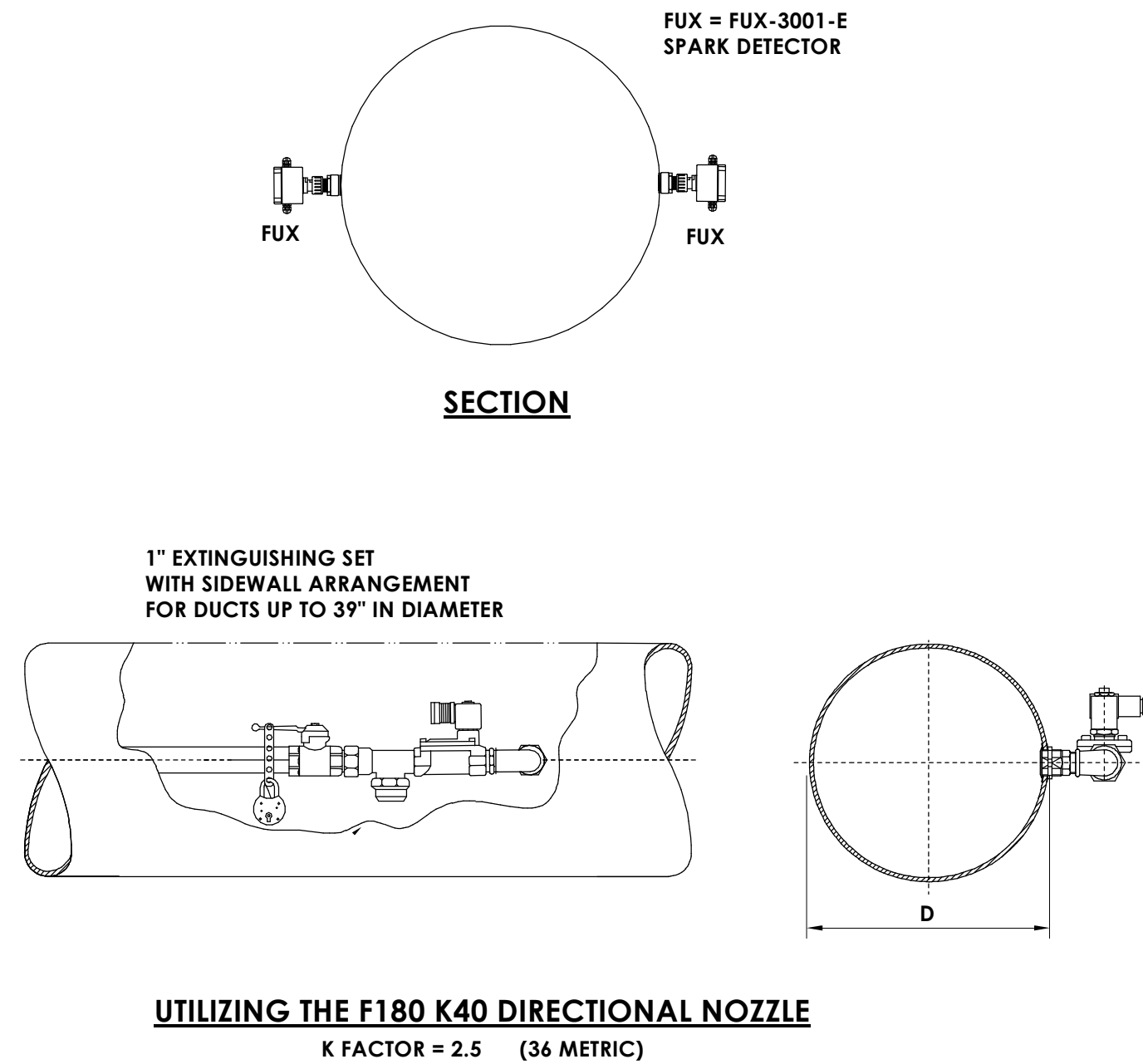
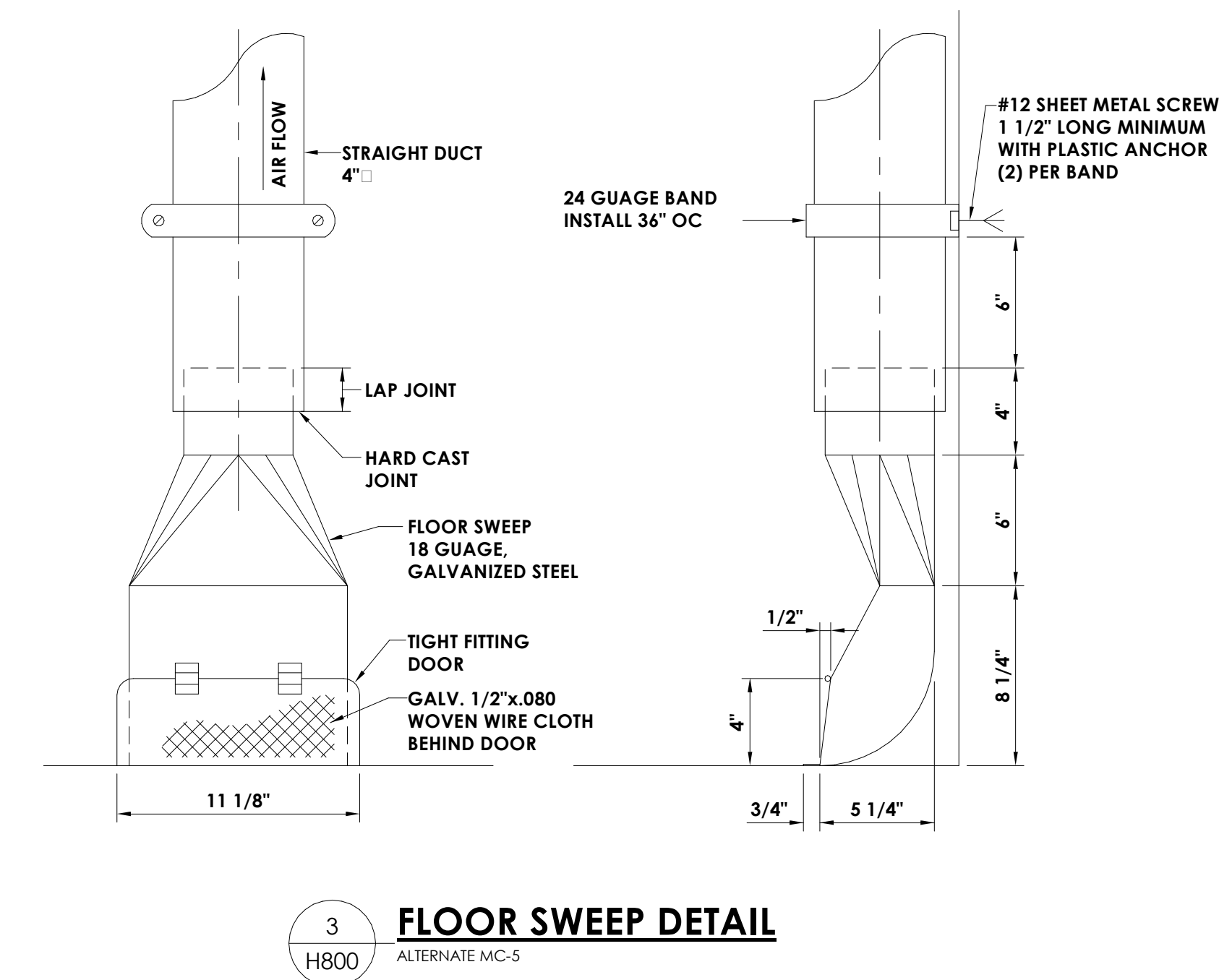
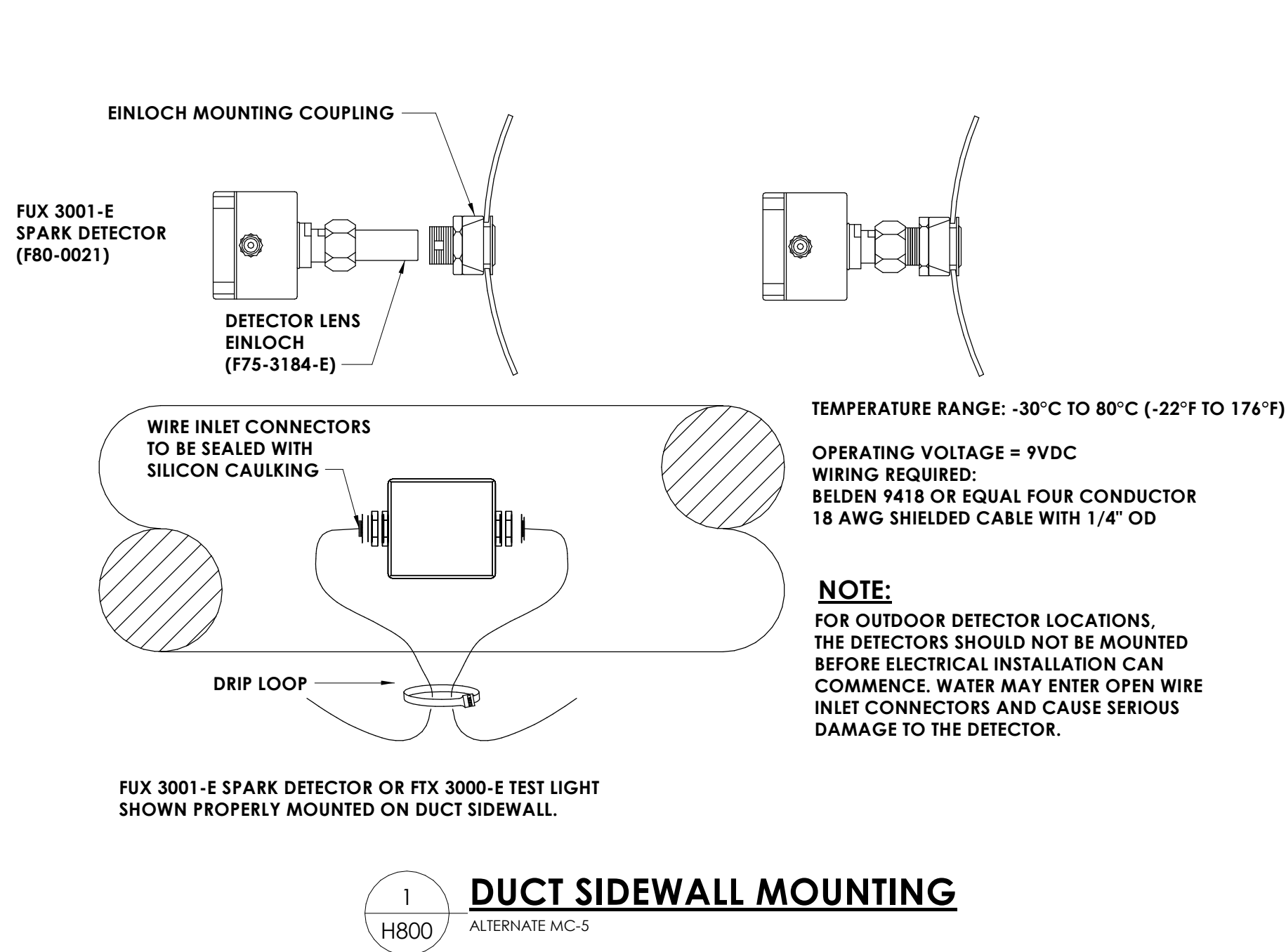
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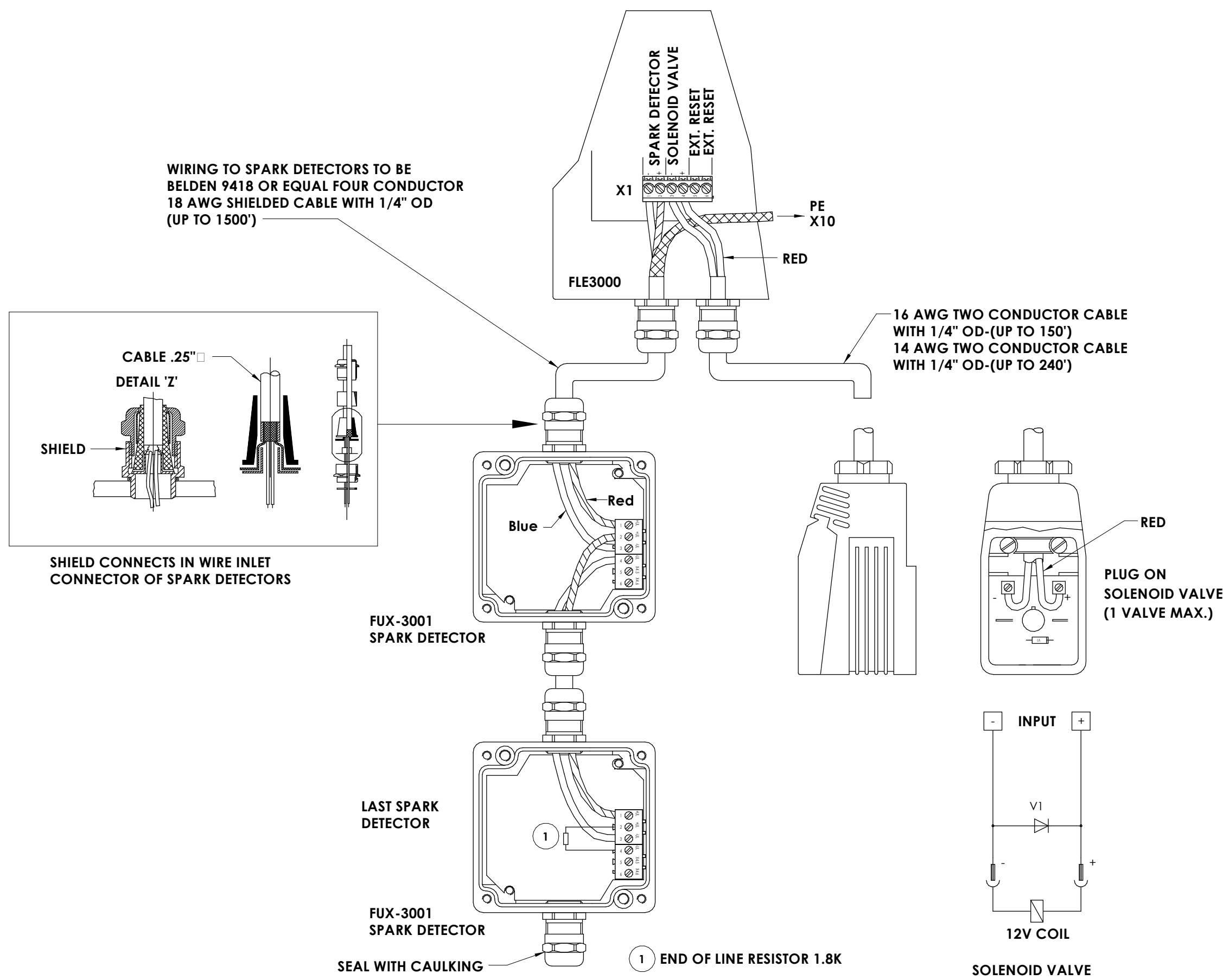
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1/8" = 1'-0"



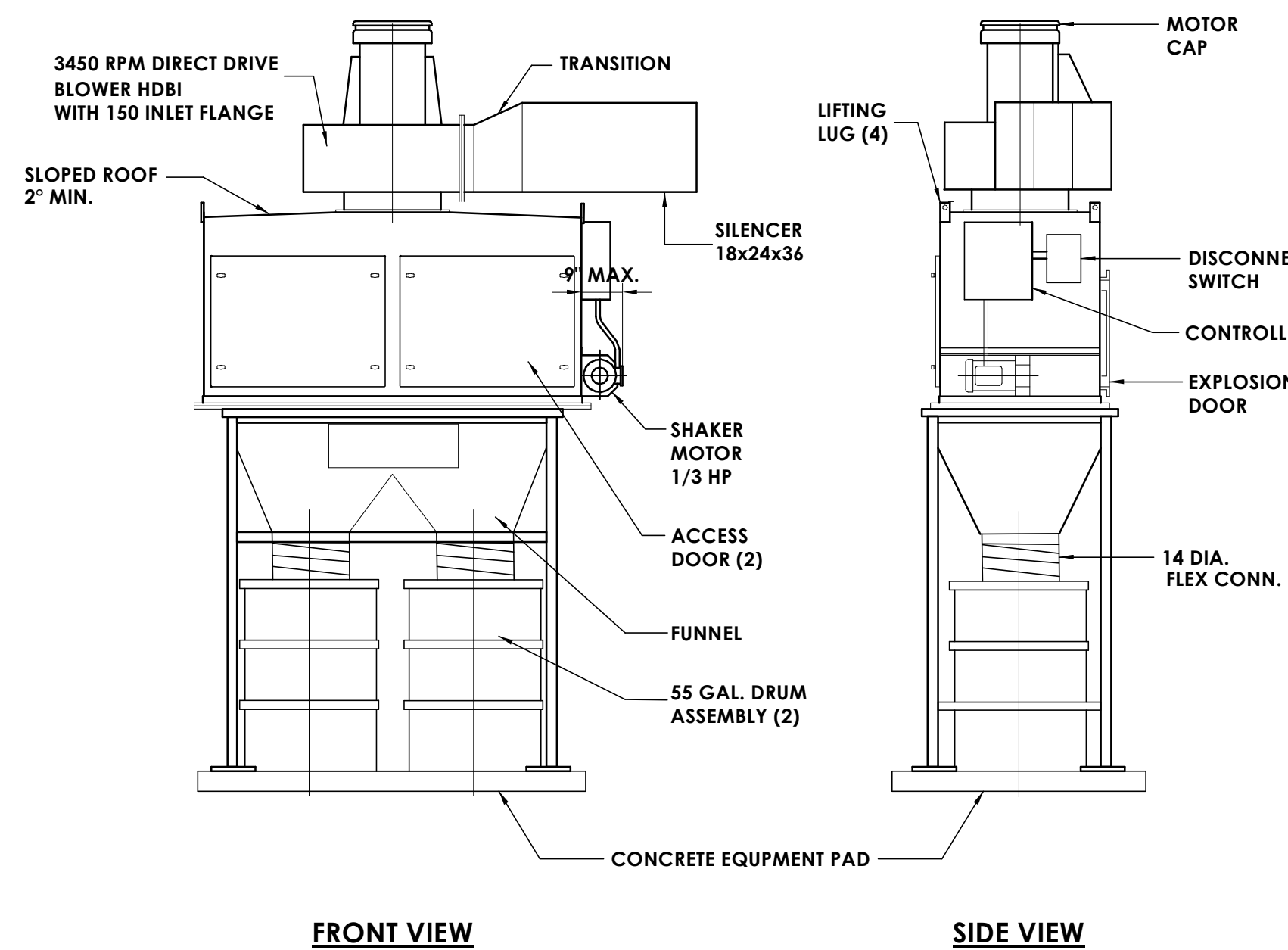
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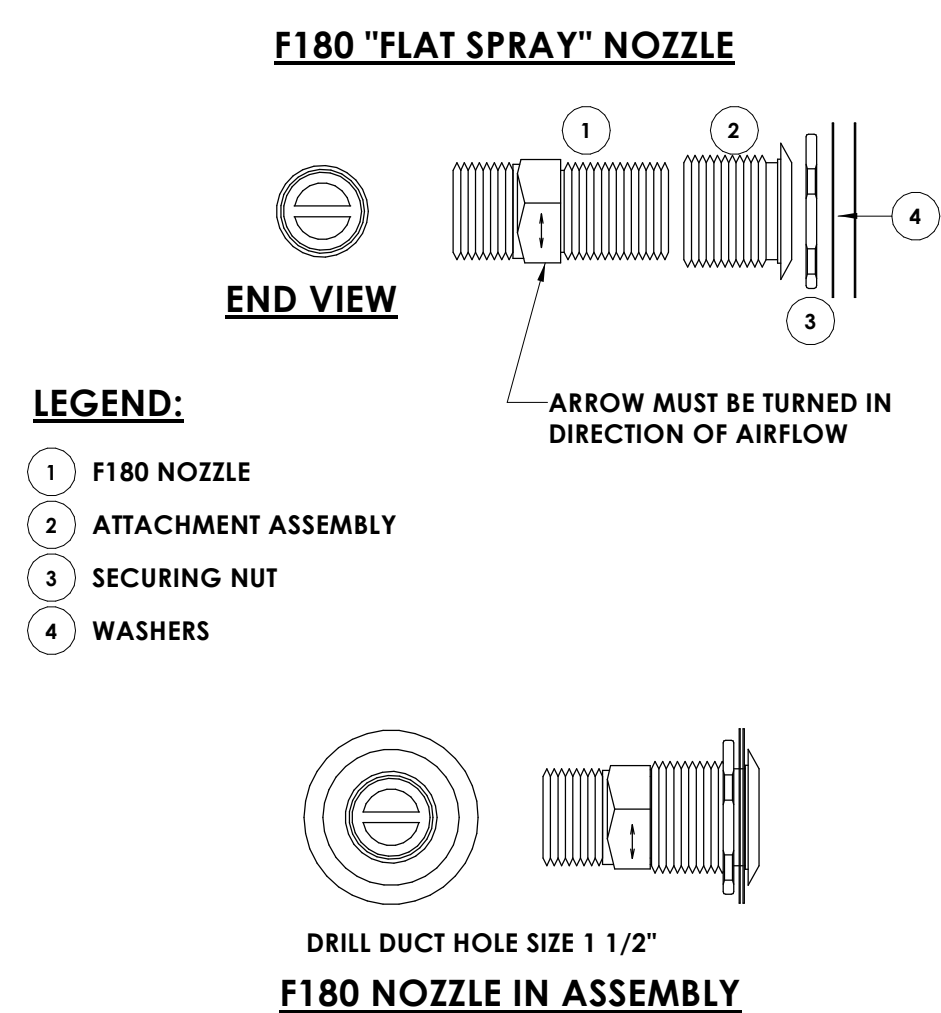
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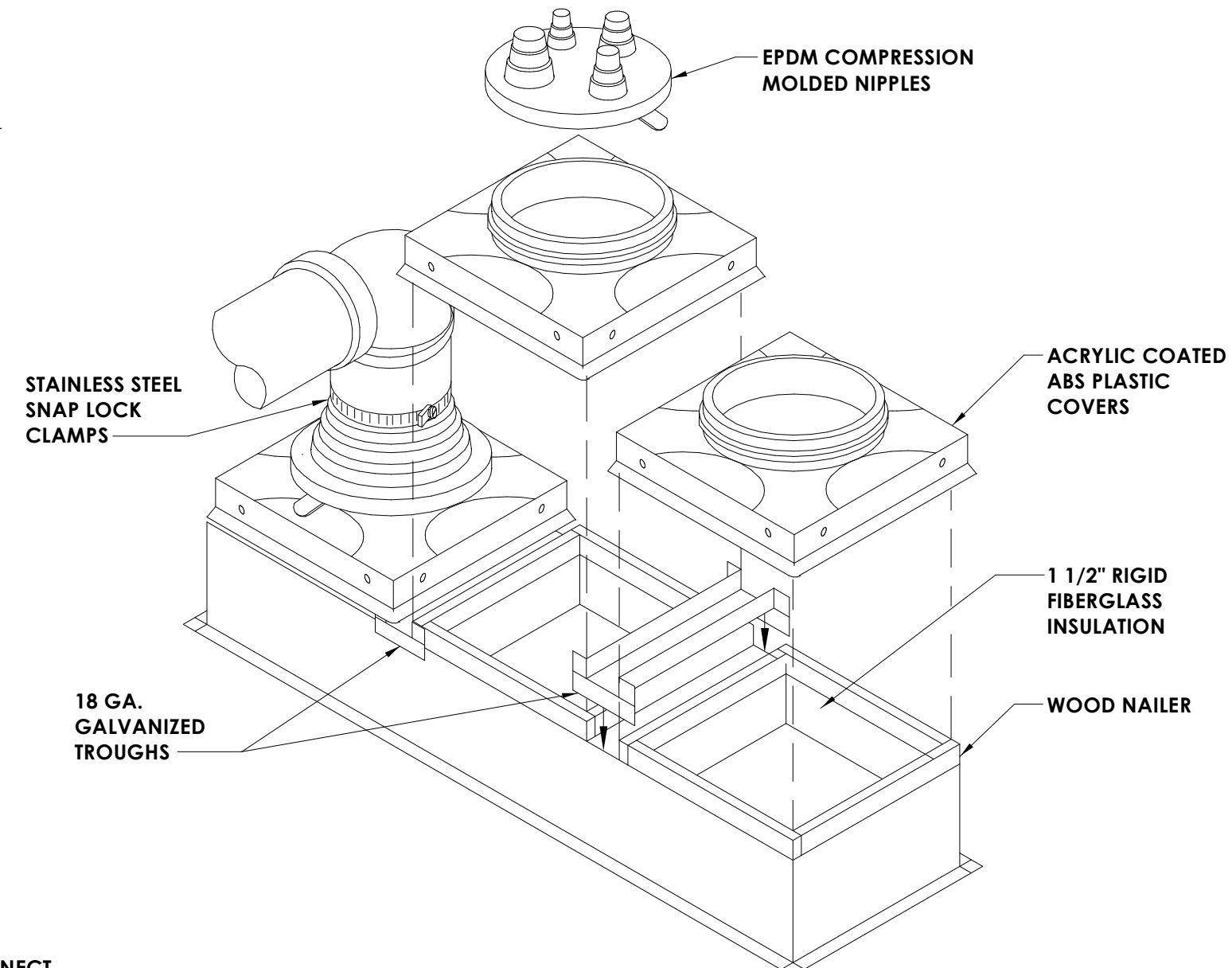
1 H801 **SPARK DETECTOR AND SOLENOID VALVE CONNECTIONS**  
ALTERNATE MC-5



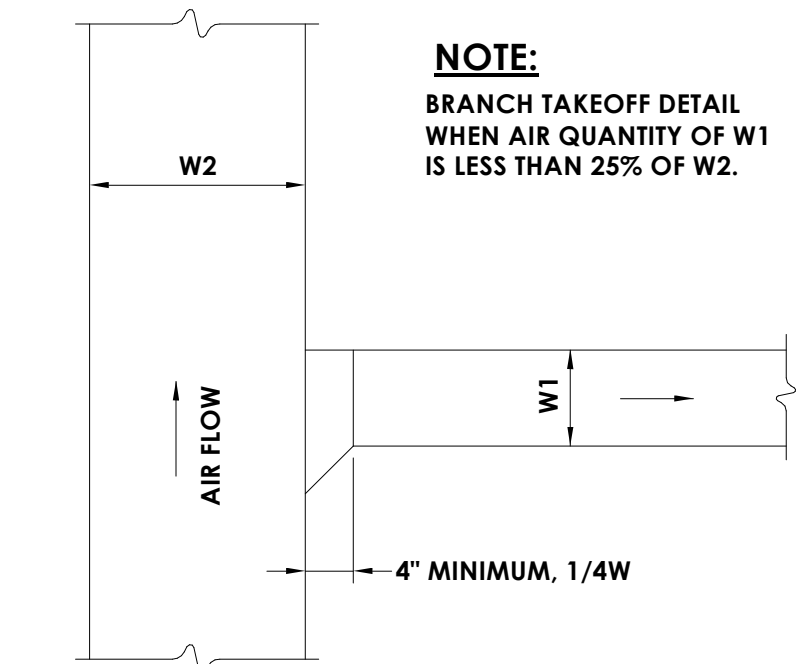
4 H801 **DUST COLLECTOR DETAIL**  
ALTERNATE MC-5



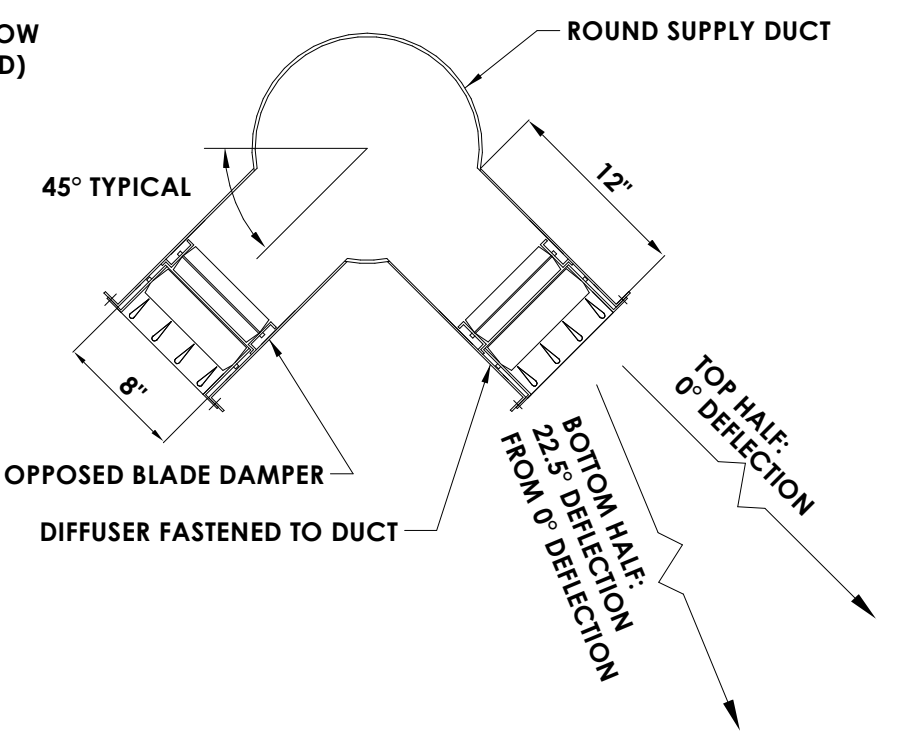
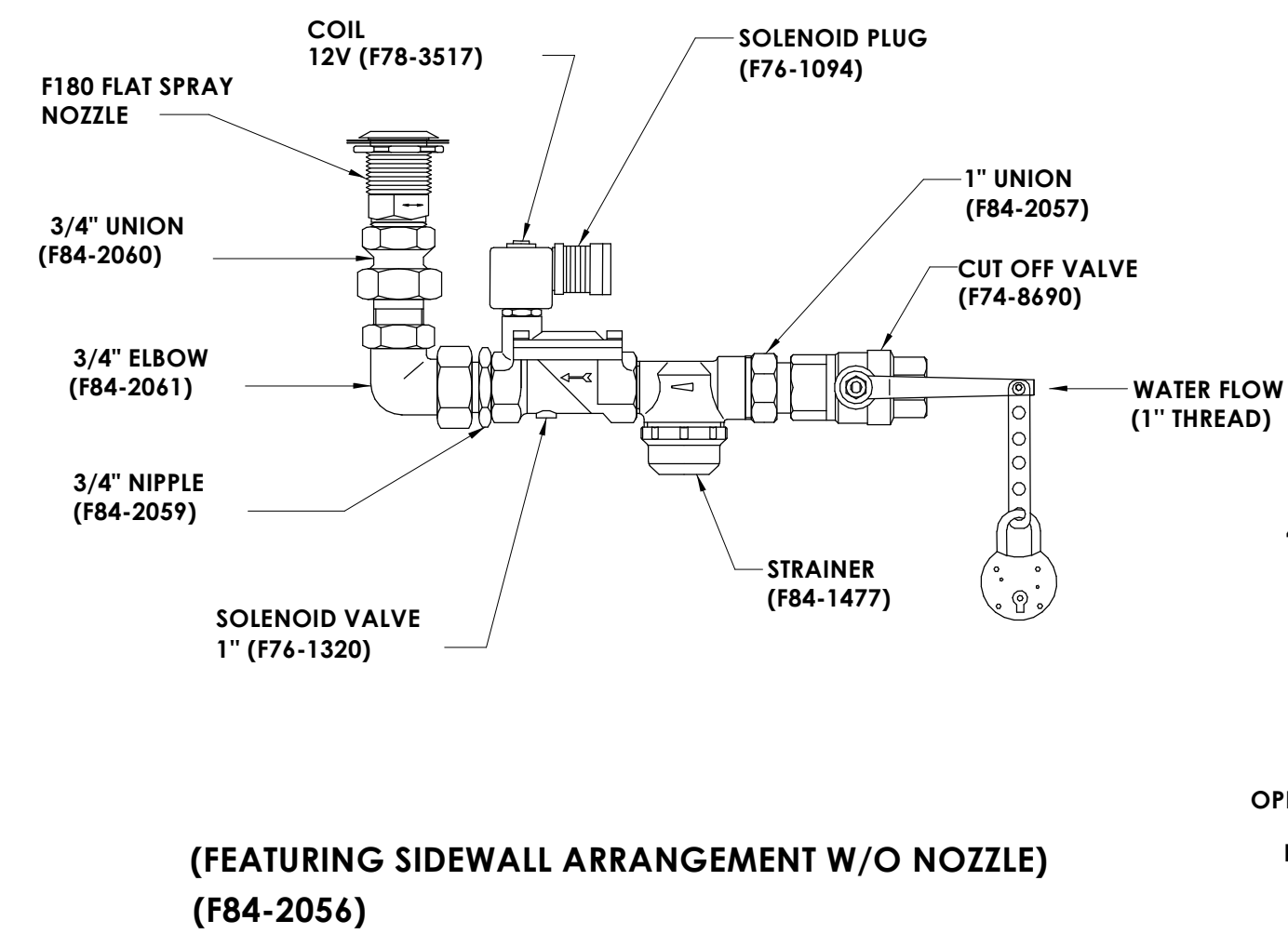
2 H801 **FLAMEX EXTINGUISHING ASSEMBLY**  
ALTERNATE MC-5



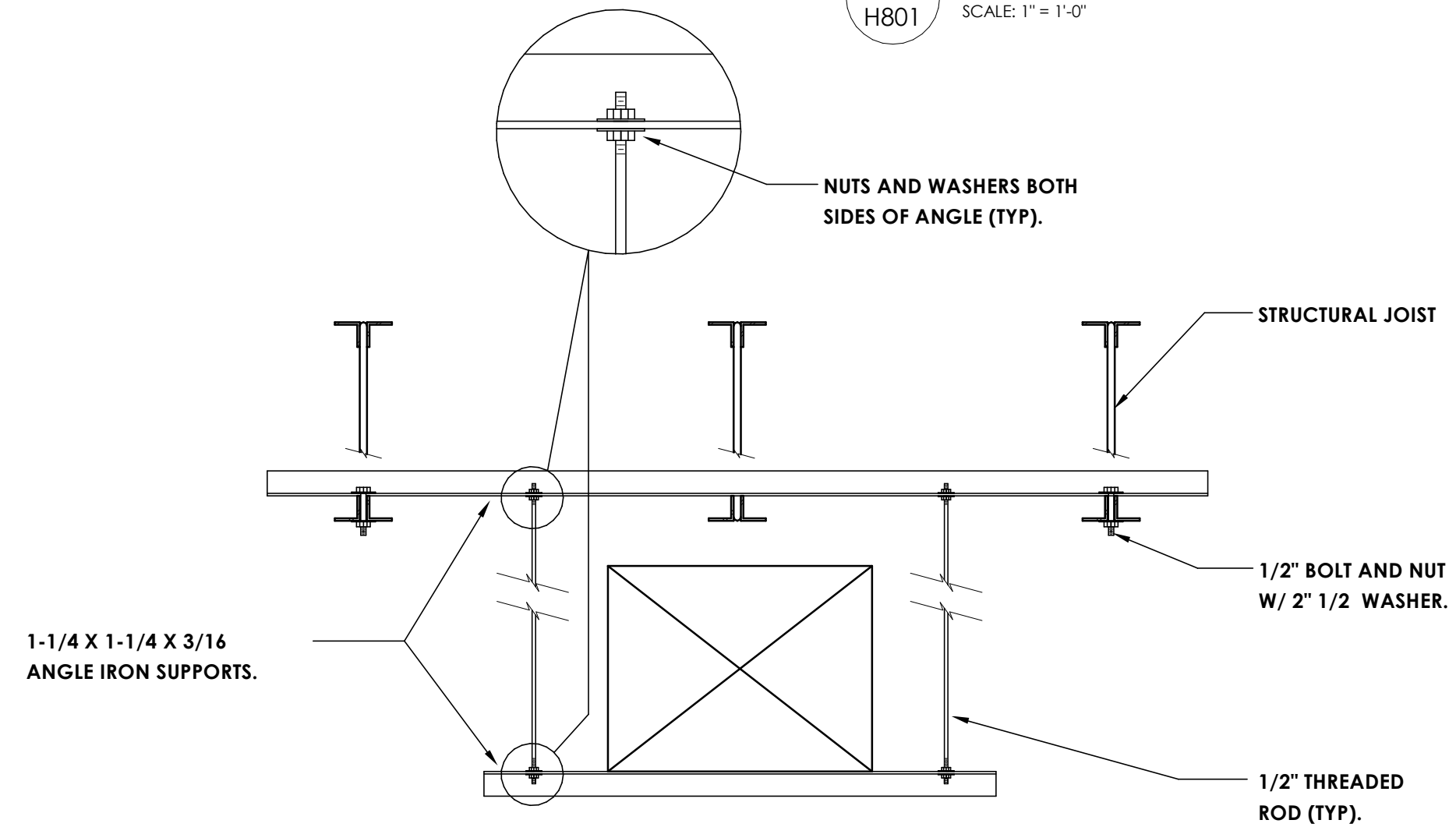
5 H801 **PIPE PORTAL DETAIL**  
NOT TO SCALE



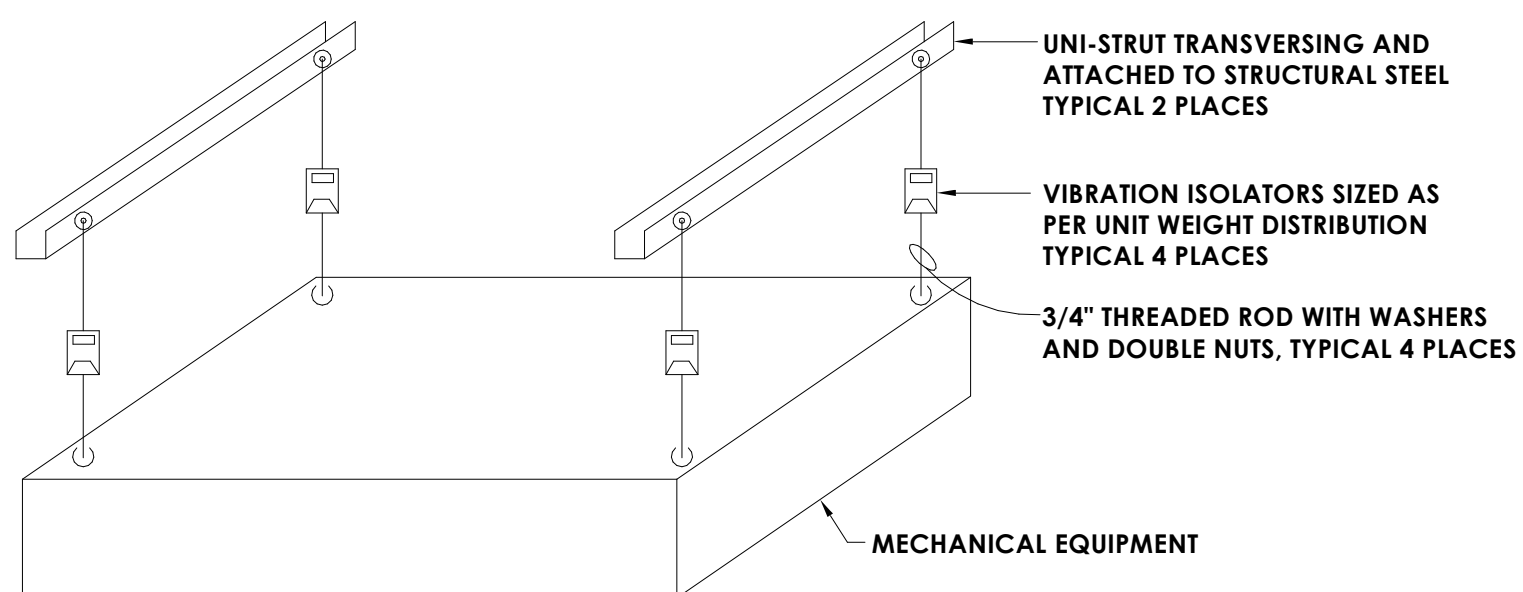
7 H801 **BRANCH TAKE-OFF DETAIL**  
NOT TO SCALE



3 H801 **GYM DUCTWORK DIFFUSER DETAIL**  
SCALE: 1" = 1'-0"

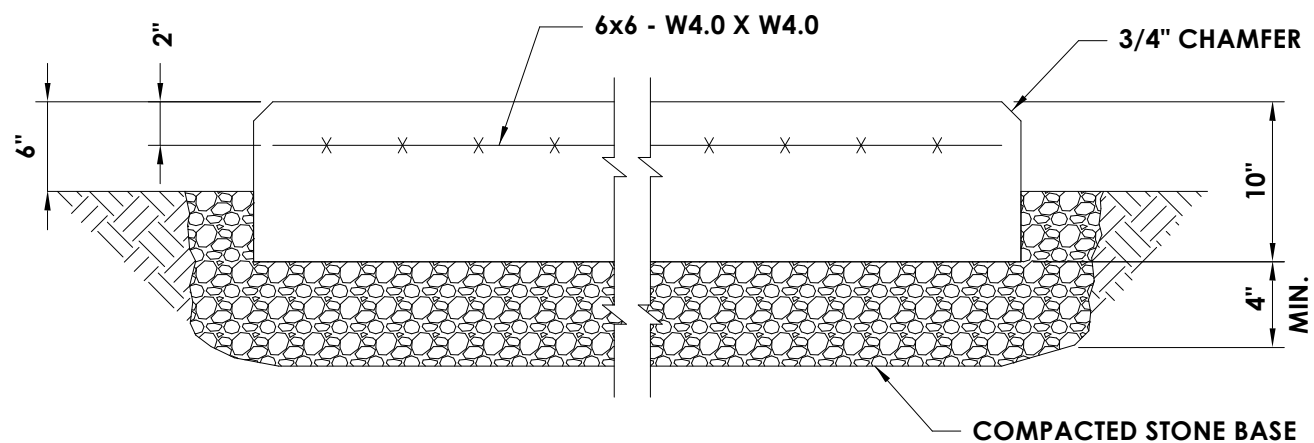


1 H801 **DUCT HANGER DETAIL**  
NOT TO SCALE

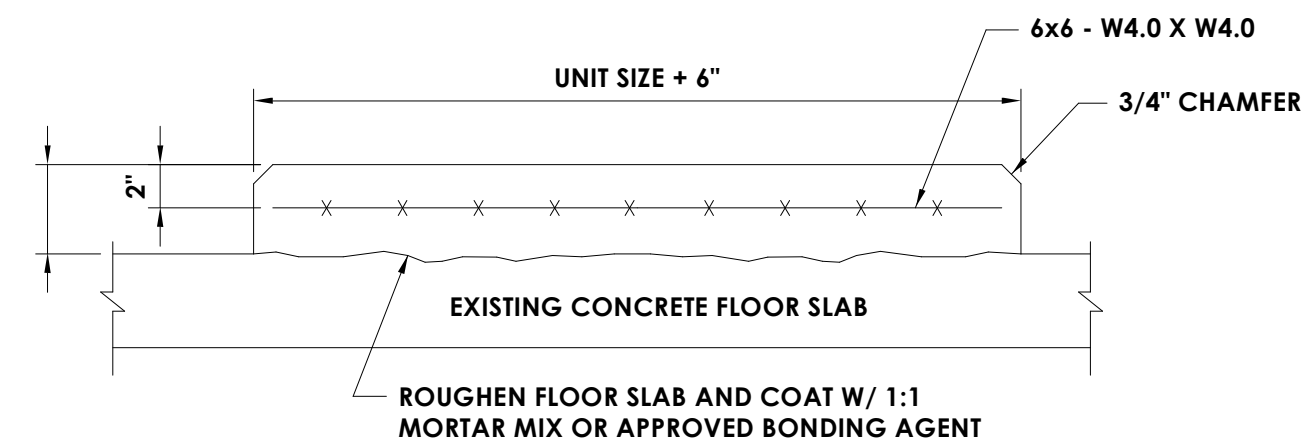


13 H802 **INDOOR UNIT SUPPORT INSTALLATION DETAIL**  
NOT TO SCALE





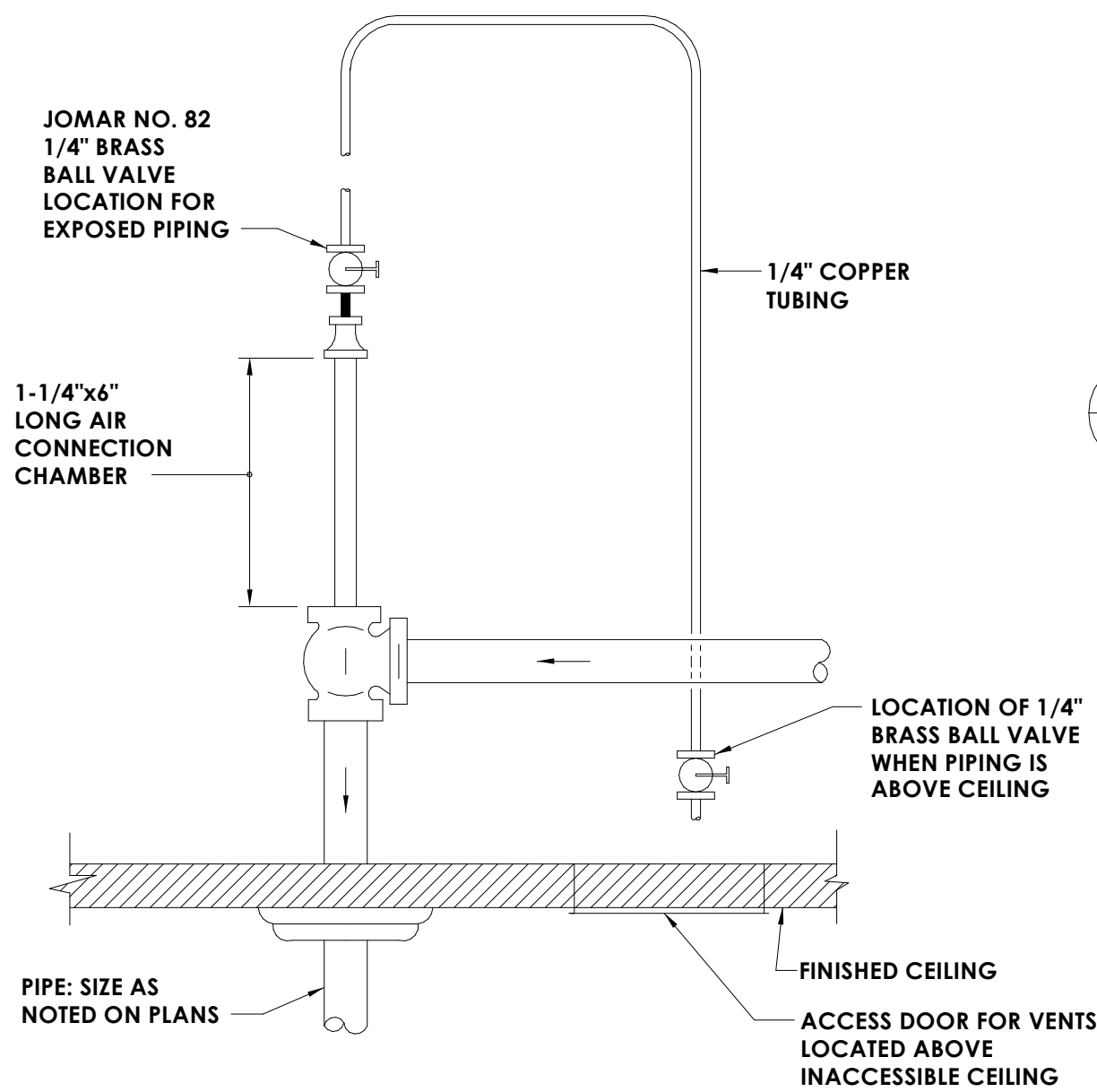
INTERIOR PAD DETAIL FOR LOCATION ON GROUND



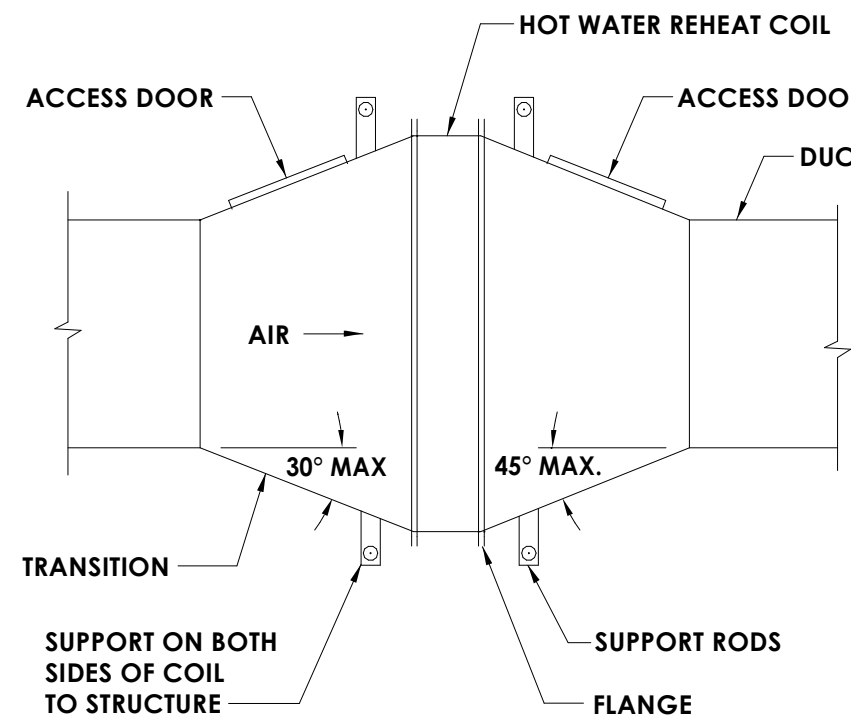
INTERIOR PAD DETAIL FOR LOCATION ON EXISTING CONCRETE FLOOR

NOTE: COORDINATE UNIT SIZE WITH EQUIPMENT SELECTED.

1 EQUIPMENT HOUSEKEEPING PAD DETAIL  
H802 NOT TO SCALE

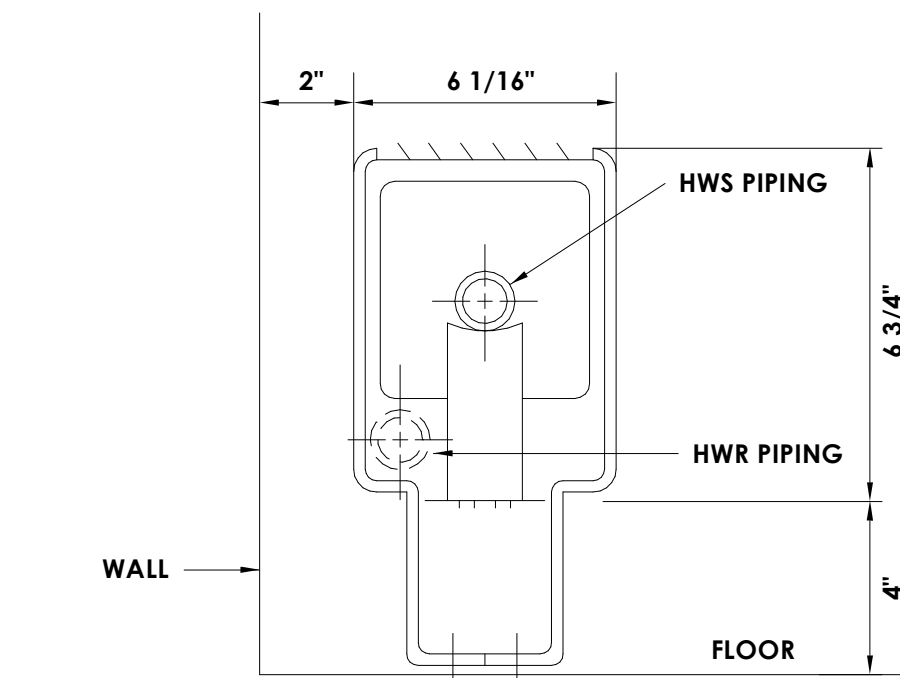


5 MANUAL AIR VENT DETAIL - WATER PIPING  
H802 NOT TO SCALE

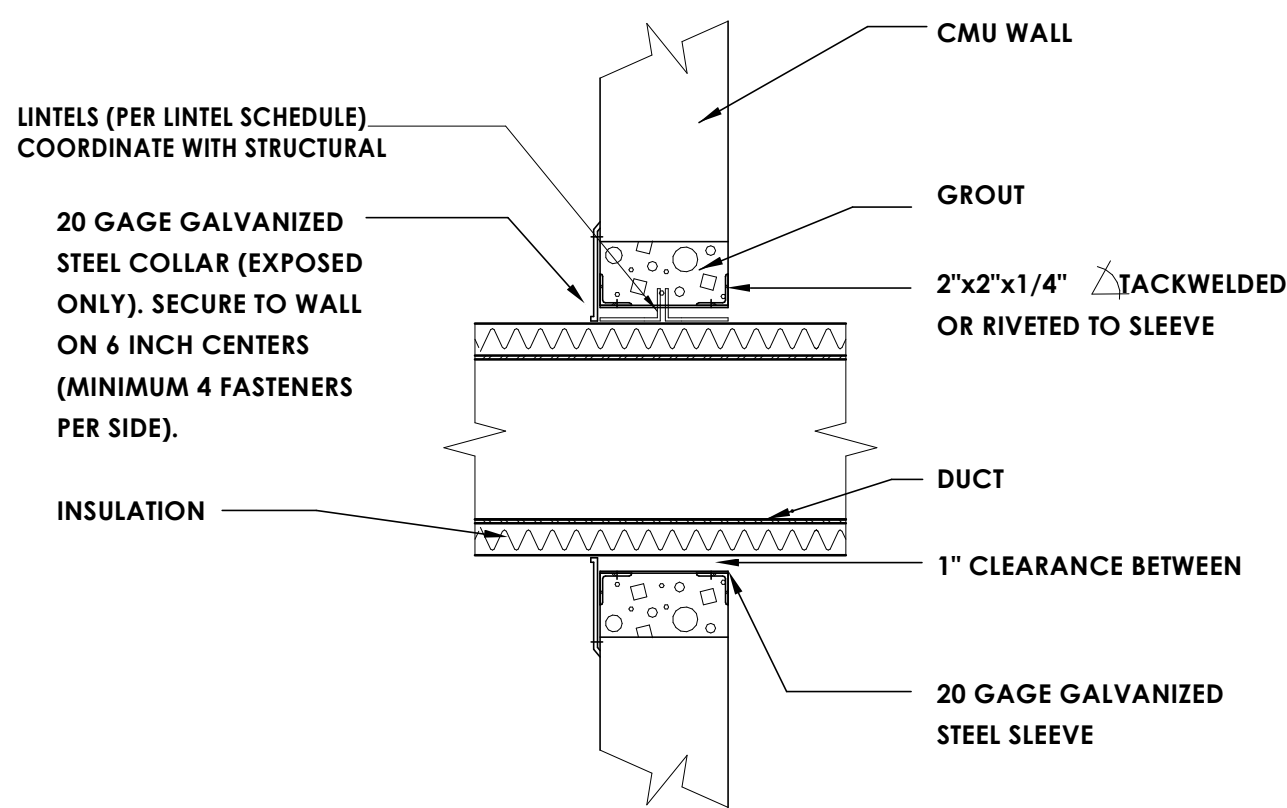


NOTE: SUPPORT DUCTWORK INDEPENDENTLY OF THE COIL.

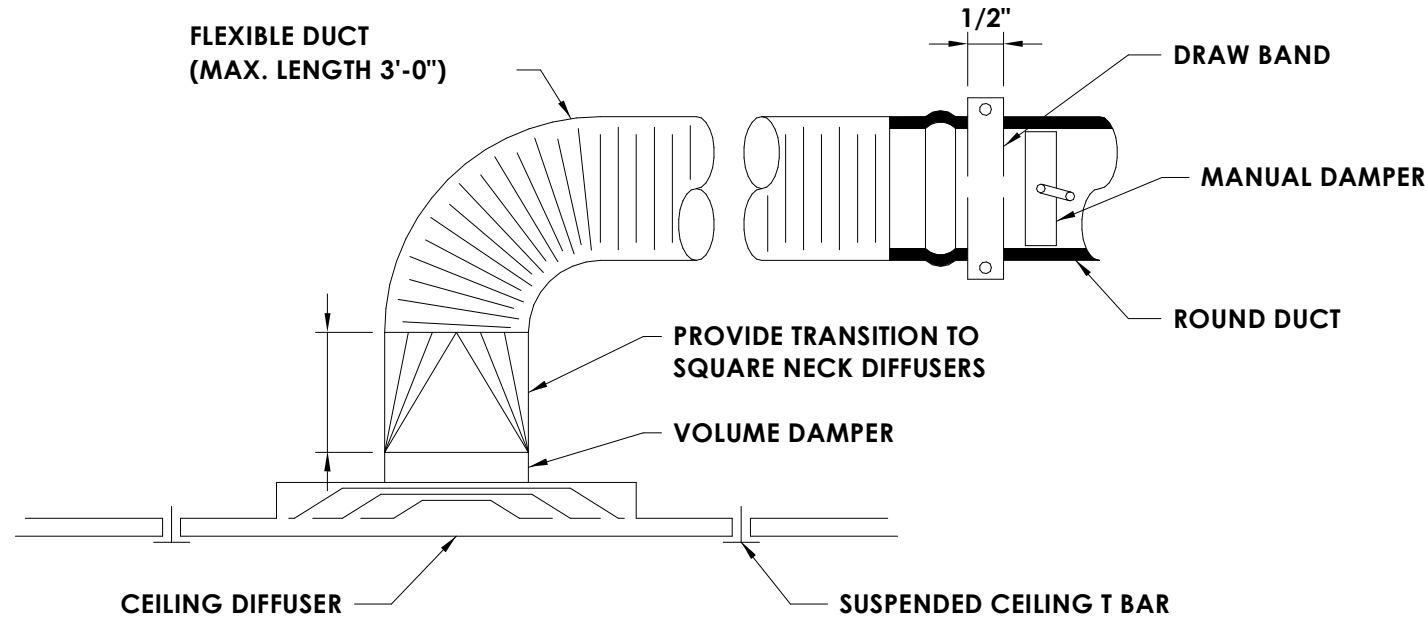
9 REHEAT COIL DETAIL  
H802 NOT TO SCALE



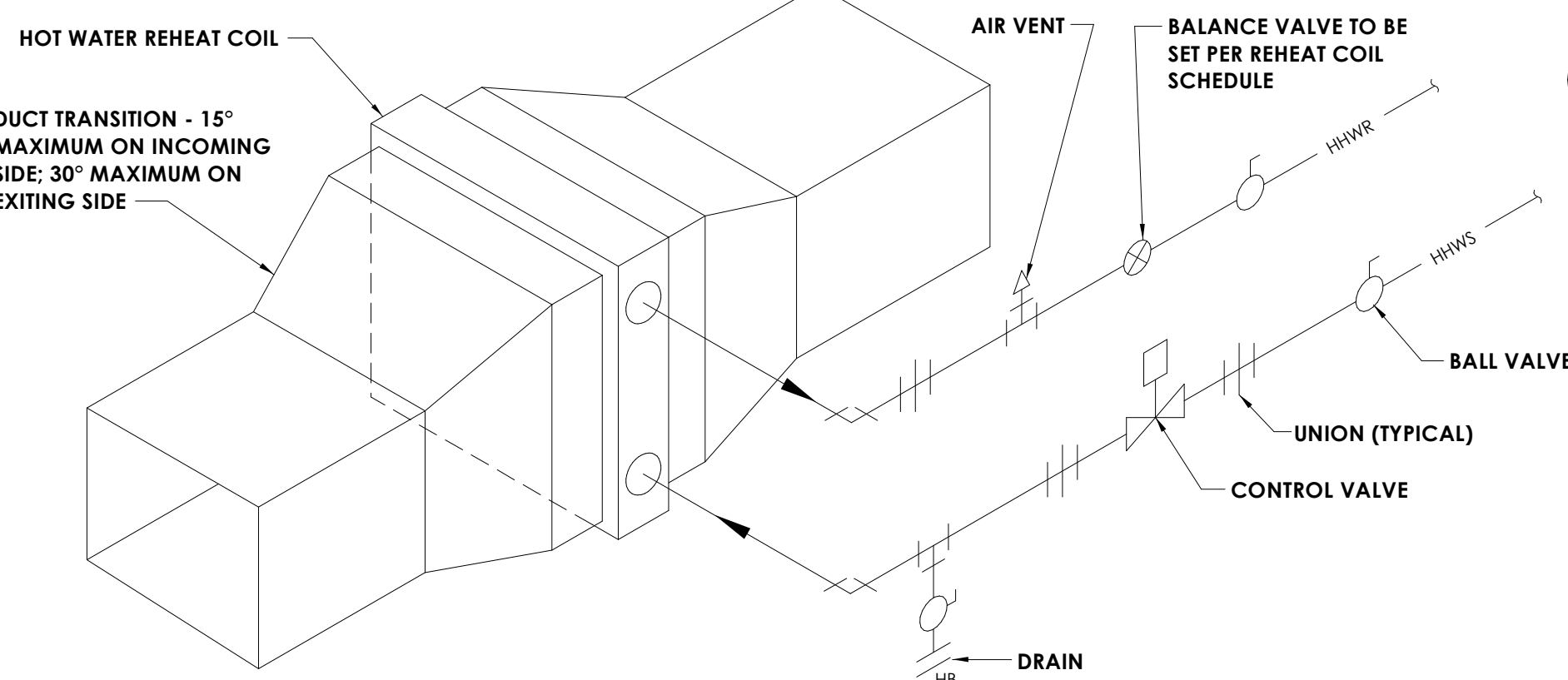
2 PIPE MOUNTING REQUIREMENTS FOR FIN TUBE RADIATION (NEW CAFE)  
H802 NOT TO SCALE



6 DUCT PENETRATION THROUGH WALL (NON FIRE-RATED)  
H802 NOT TO SCALE

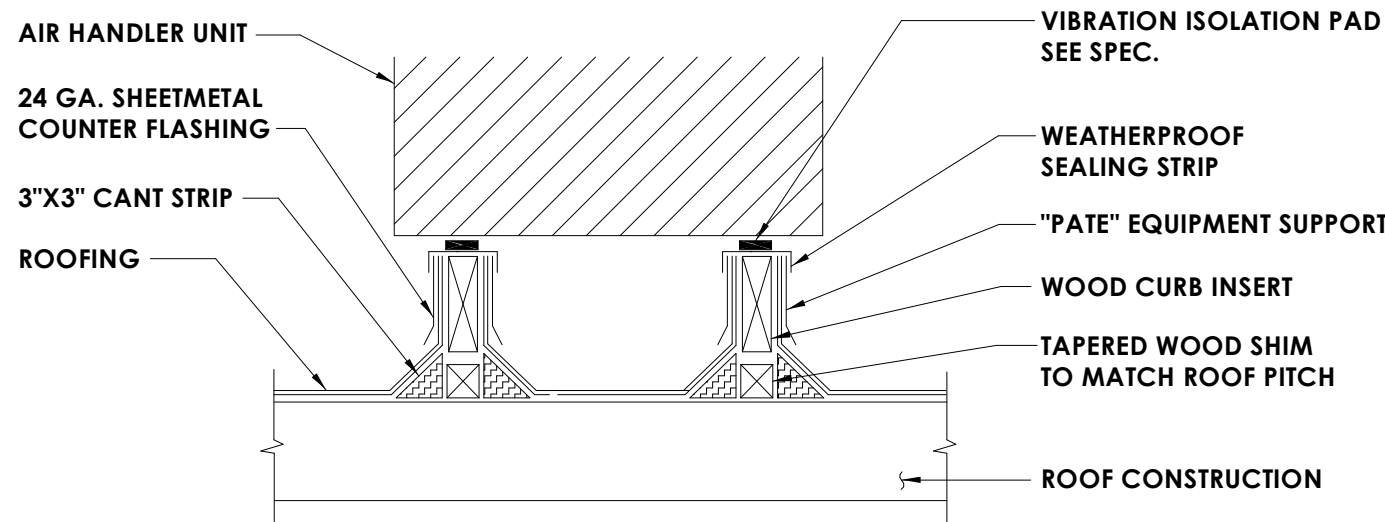


10 DIFFUSER DETAIL  
H802 NOT TO SCALE

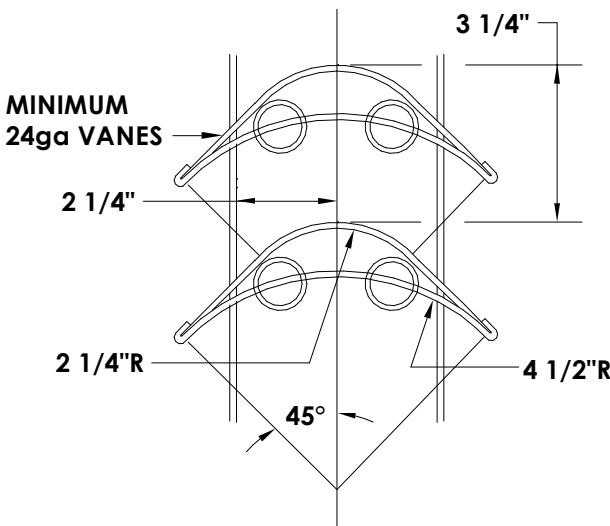


THIS DETAIL APPLIES TO REHEAT COILS

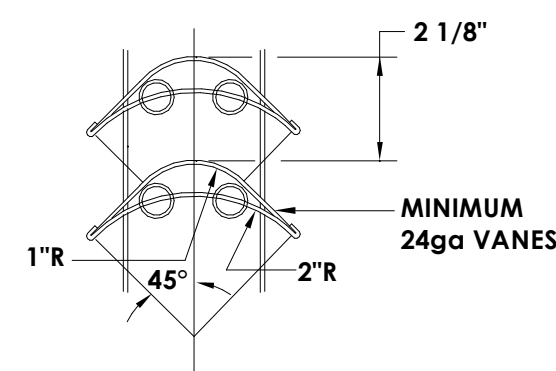
13 HOT WATER REHEAT COIL DETAIL  
H802 NOT TO SCALE



3 EQUIPMENT BASE DETAIL  
H802 NOT TO SCALE



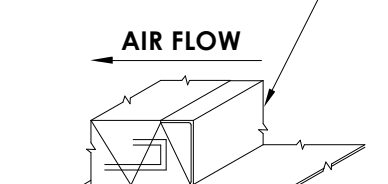
VANES FOR SQUARE THROAT ELBOWS OVER 20" WIDE



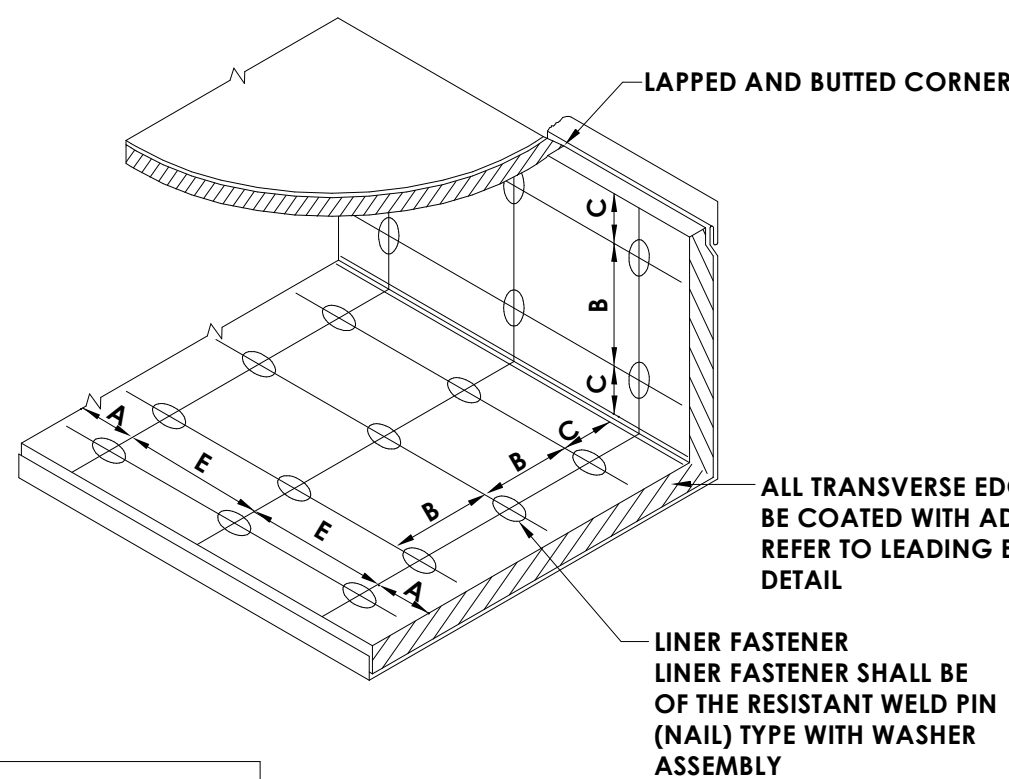
VANES FOR SQUARE THROAT ELBOWS THRU 20" WIDE

7 TYPICAL TURNING VANE DETAIL  
H802 NOT TO SCALE

METAL NOSING. NOSING REQUIRED AT FIRST JOINT AFTER EQUIPMENT AND AT POINTS WHERE LINING BEGINS. IN ADDITION, NOSING IS REQUIRED AT AIR FLOW VELOCITIES EXCEEDING 4000 FPM ON ALL LEADING TRANSVERSE EDGES. METAL NOSING SHALL BE CONSTRUCTED OF SAME MATERIAL AND GAUGE AS ADJOINING DUCT.



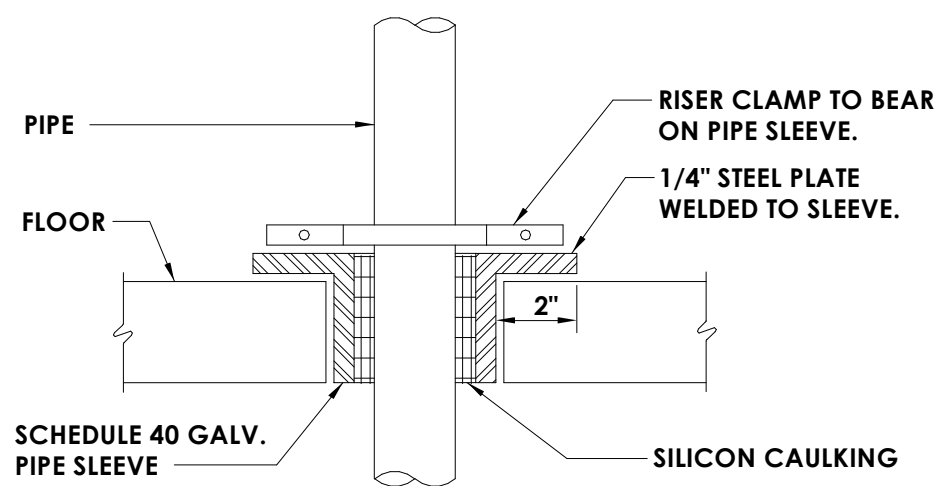
LEADING EDGE DETAIL



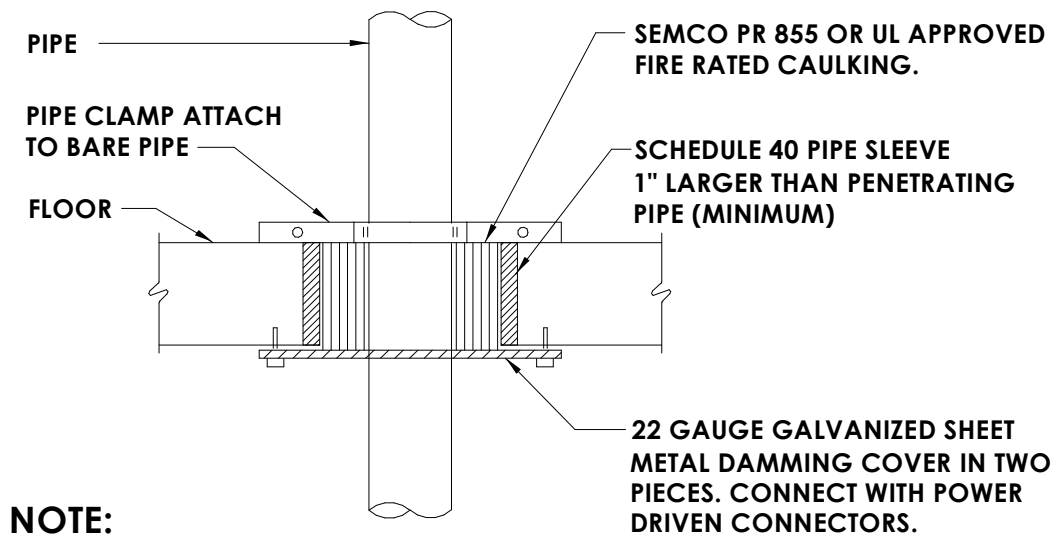
VELOCITY	MAXIMUM FASTENER SPACING			
	A	B	C	E
0-2500 FPM	3"	12"	4"	18"
2501-6000 FPM	3"	6"	4"	16"

NOTE: LINER ADHERED TO THE DUCT WITH 100% AREA COVERAGE OF ADHESIVE

11 DUCT LINER INSTALLATION DETAIL  
H802 NOT TO SCALE

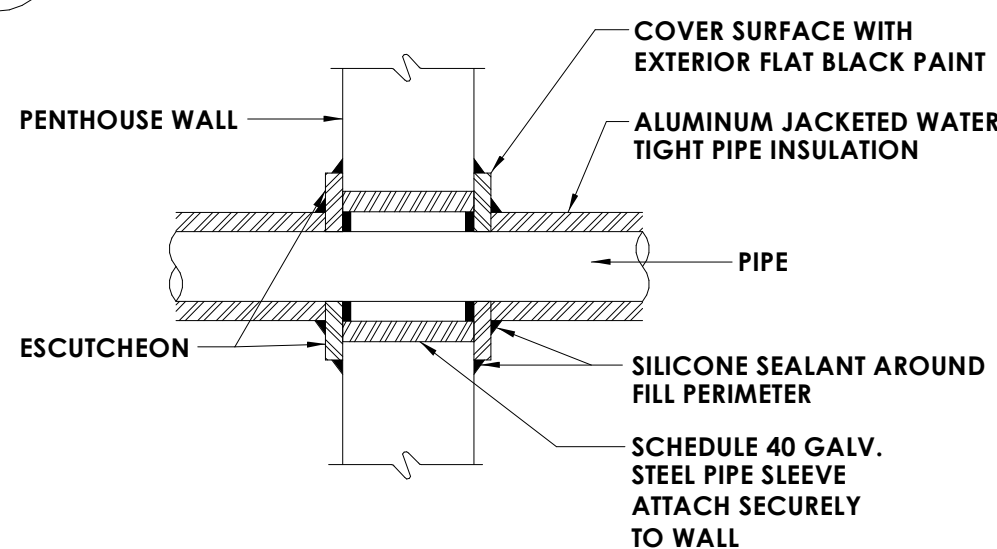


4 PIPE THROUGH NON-RATED FLOOR  
H802 NOT TO SCALE

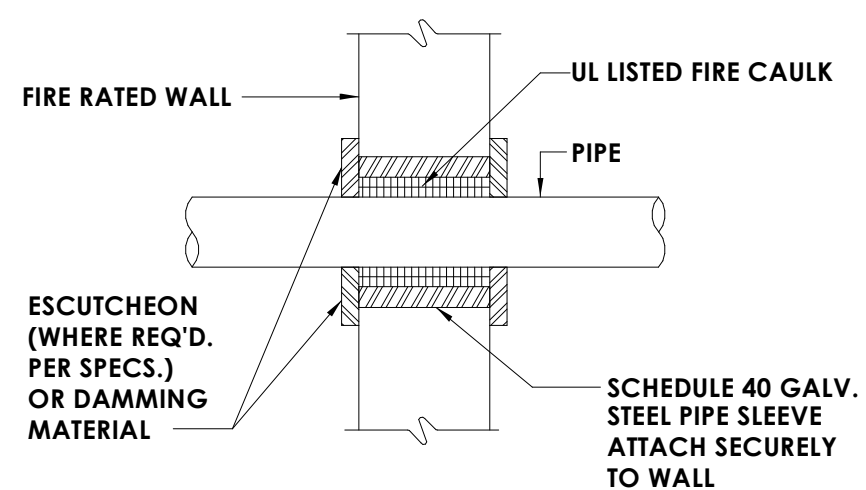


NOTE: ALL MATERIALS MUST HAVE A MINIMUM MELTING POINT OF 1700° F

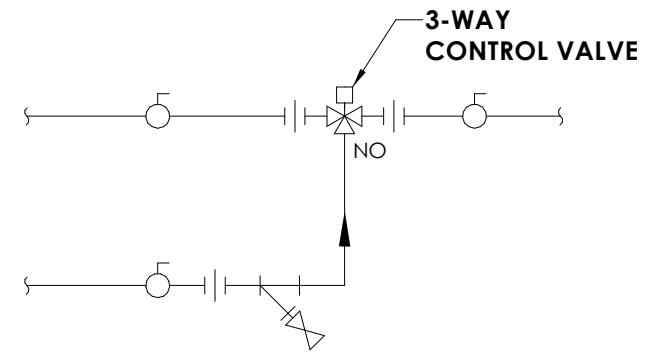
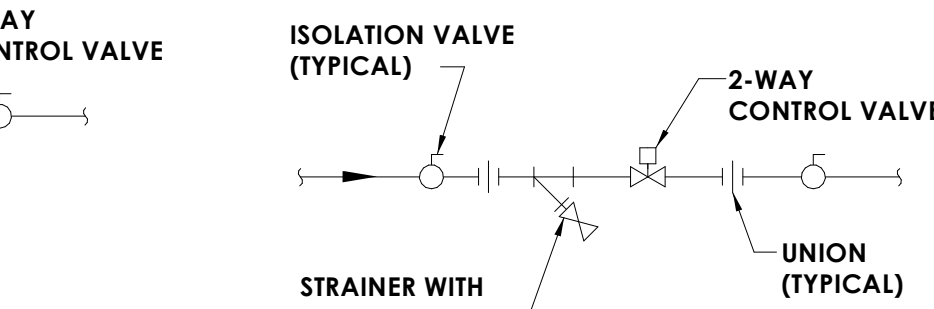
8 PIPE THROUGH RATED FLOOR  
H802 NOT TO SCALE



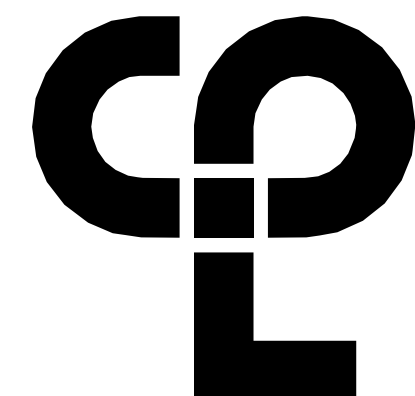
12 PIPE THROUGH NON-RATED WALL  
H802 NOT TO SCALE



15 PIPE THROUGH RATED WALL  
H802 NOT TO SCALE



14 CONTROL VALVE SCHEMATICS  
H802 NOT TO SCALE



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PROJECT INFORMATION

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NEWBURGH ENLARGED CITY  
SCHOOL DISTRICT  
Project Name  
PHASE 3: HERITAGE MIDDLE  
SCHOOL 2019 CAPITAL  
IMPROVEMENT PROJECT

Project Address  
405 Union Avenue, New Windsor, NY 12553

SED Number  
44-16-00-01-0-039-011

PROJECT ISSUE SCHEDULE

No. Date Description

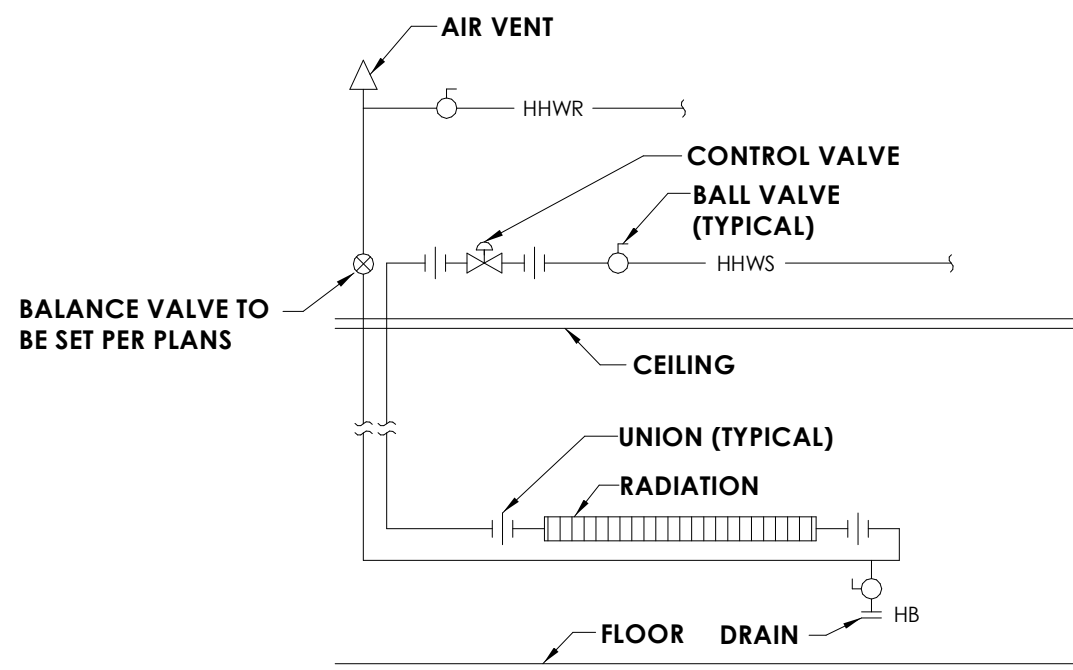
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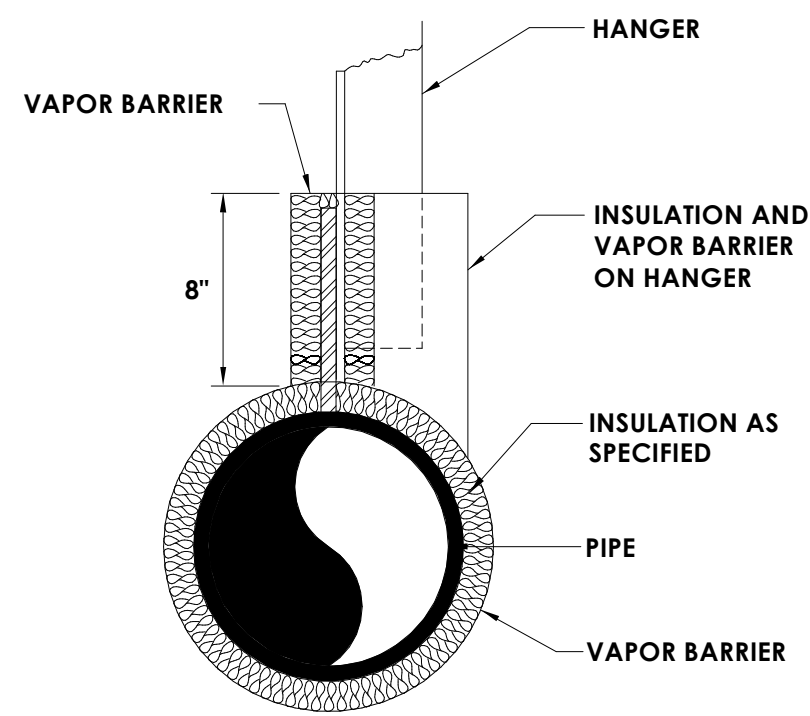
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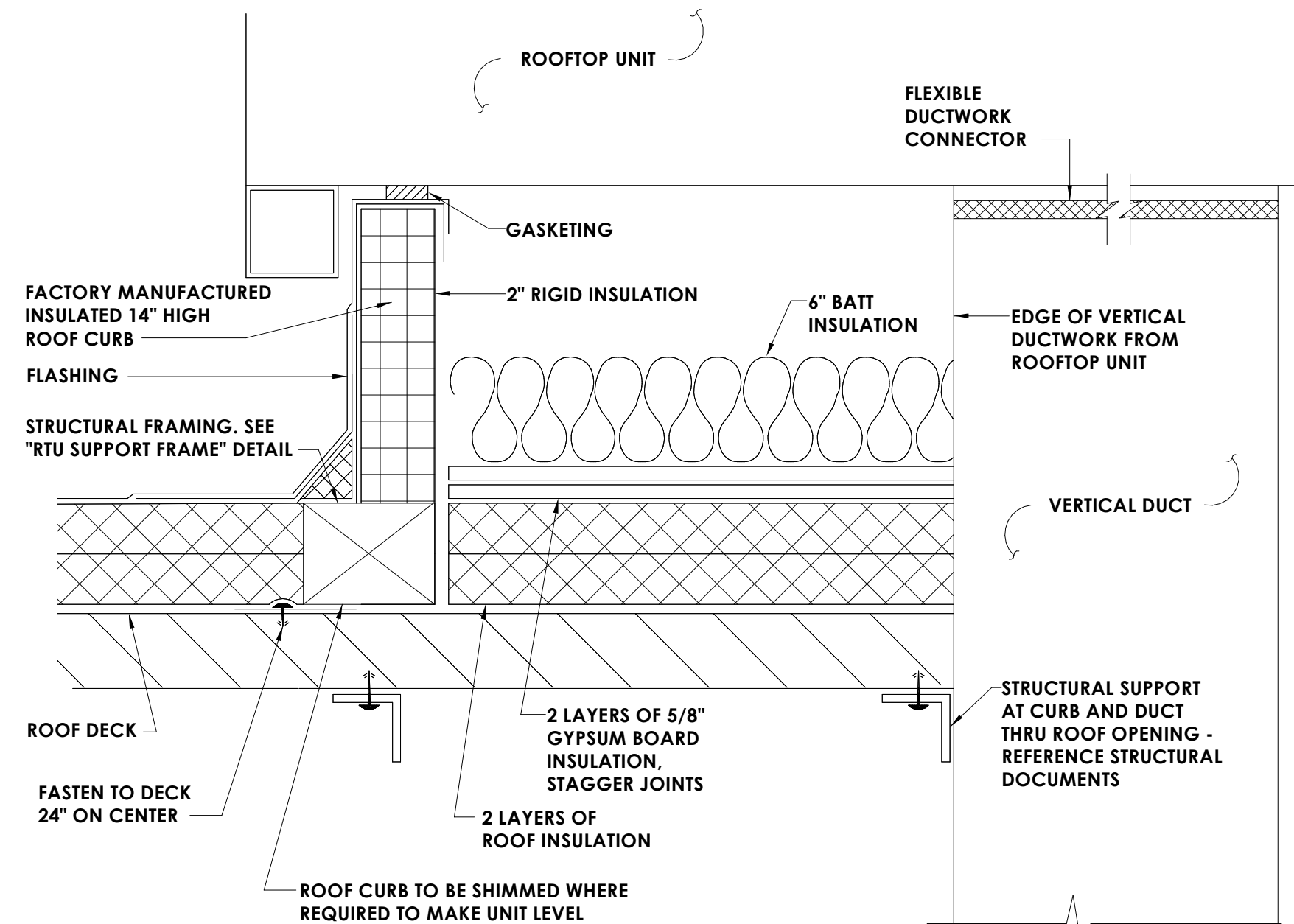


1  
H803  
NOT TO SCALE  
**HOT WATER RADIATION PIPING SCHEMATIC**



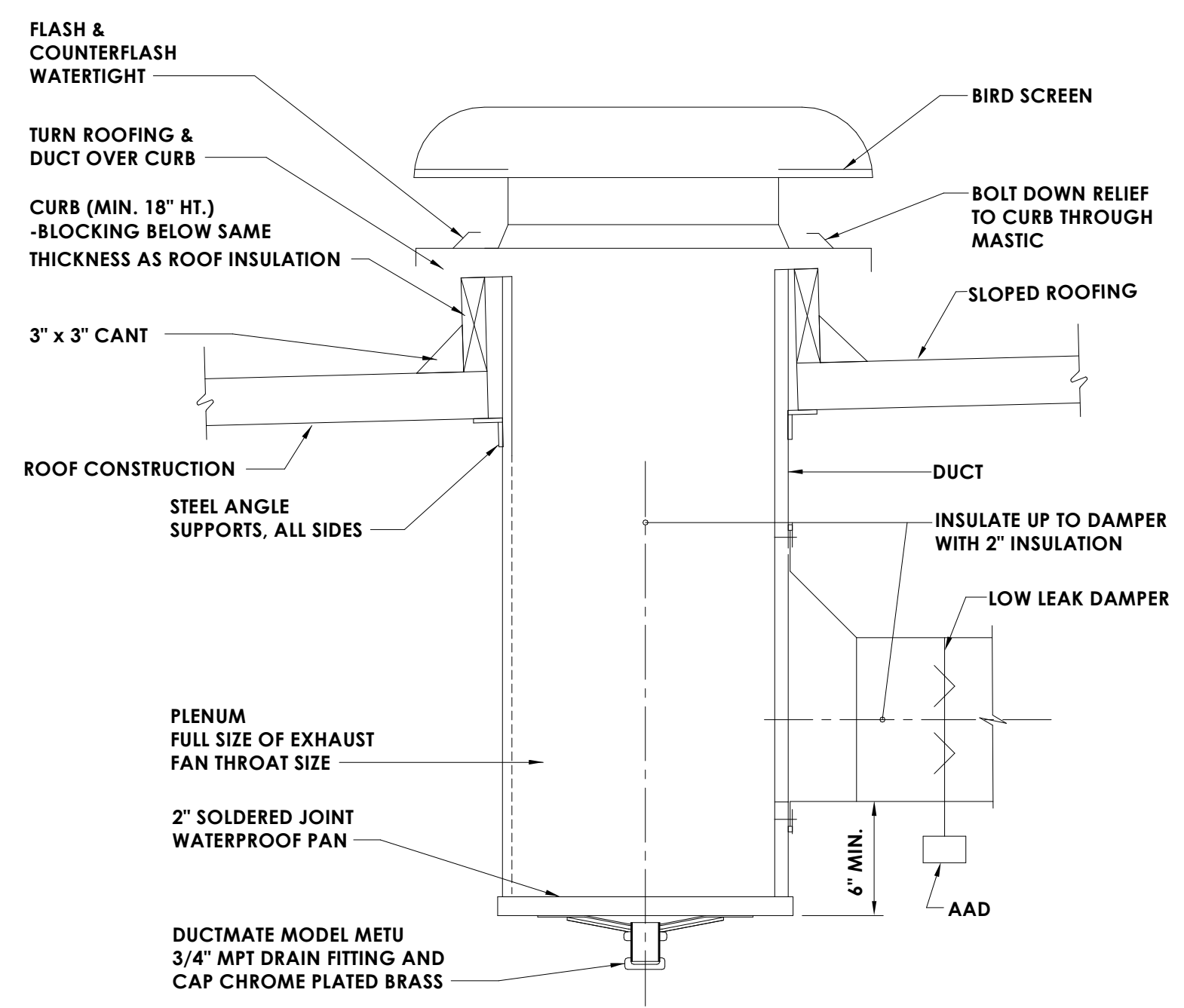
**NOTE:**  
WHERE COLD OR CHILLED WATER IS CARRIED IN PIPES, INSULATION WITH VAPOR BARRIER SHALL BE PROVIDED ON ANCHOR PLATES AND STRUTS TO POINTS 8" CLEAR OF PIPE INSULATION.

2  
H803  
NOT TO SCALE  
**COLD WATER PIPING DETAIL**

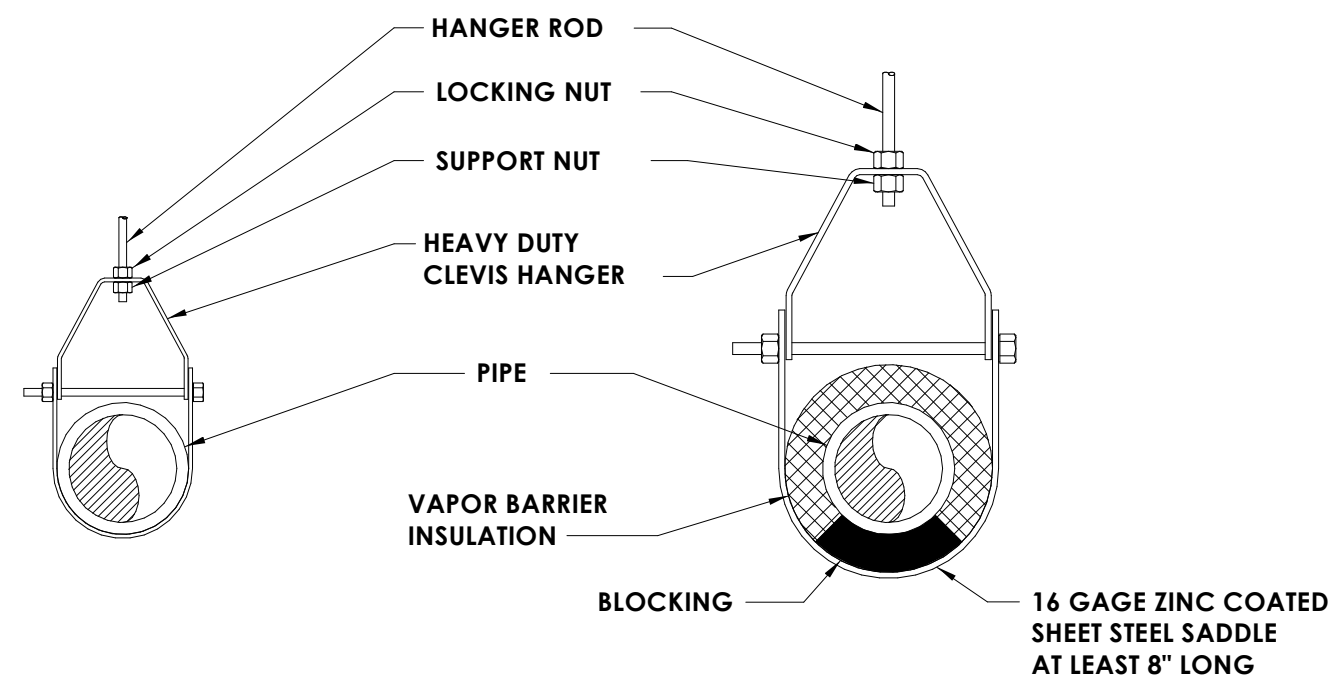


**NOTE:**  
ALL ROOFTOP HVAC UNITS REQUIRED TO HAVE CURB AND CURB INTERIOR AS SHOWN.

3  
H803  
NOT TO SCALE  
**CURB INTERIOR REQUIREMENTS  
ROOFTOP UNIT - ROOF CURB DETAIL**

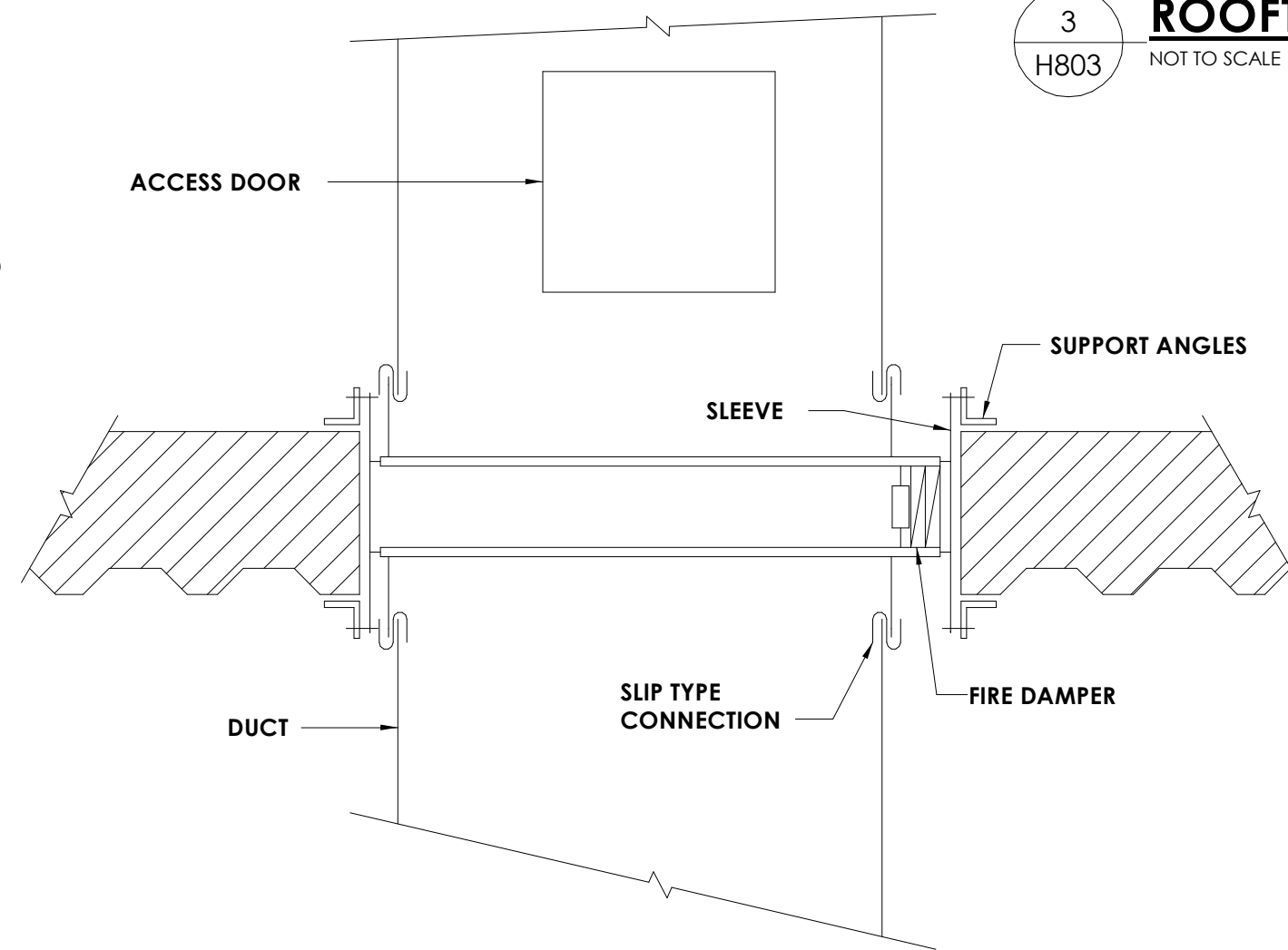


4  
H803  
NOT TO SCALE  
**ROOF AIR INTAKE/RELIEF (GRAVITY) DETAIL**

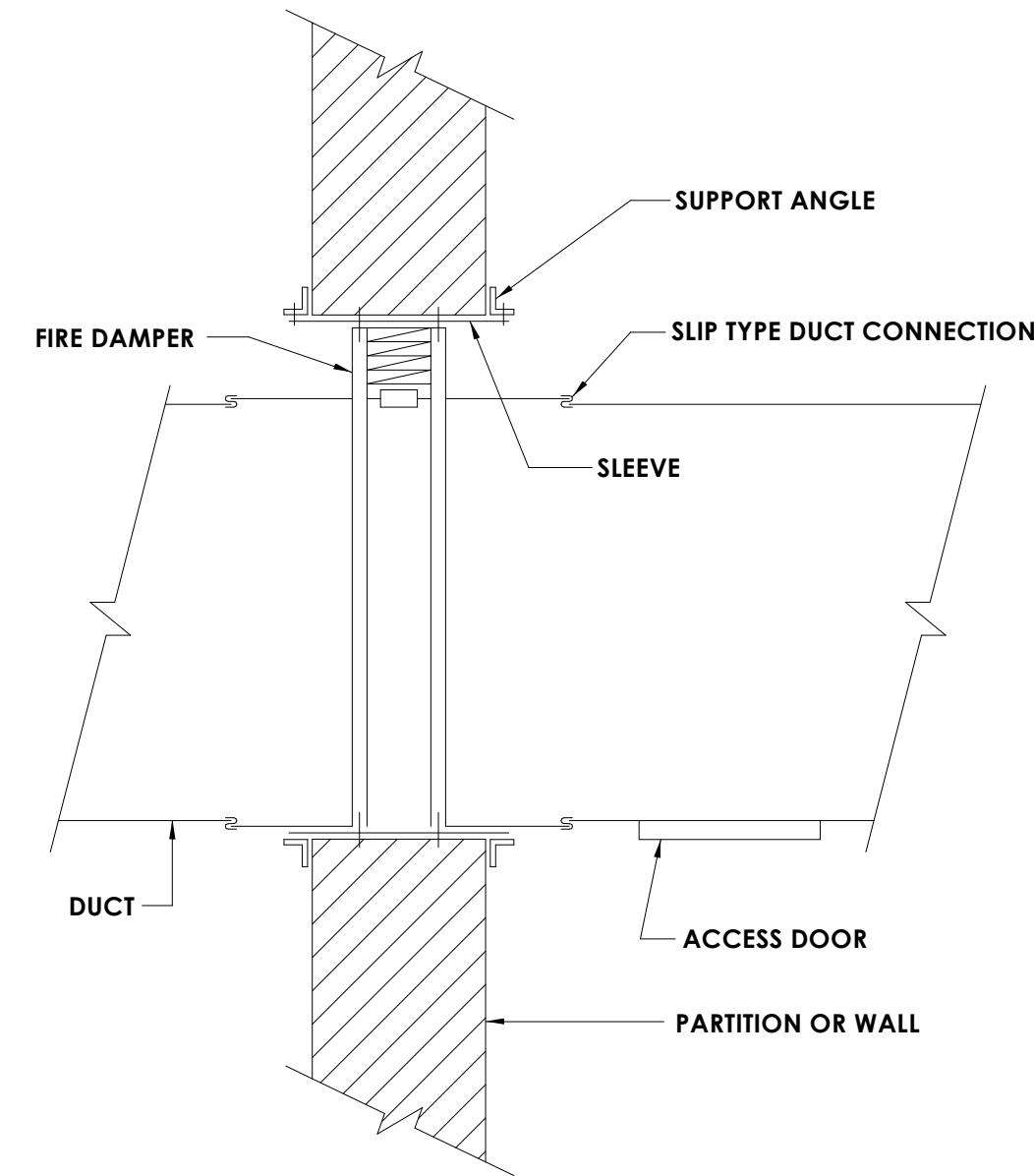


**CLEVIS HANGER  
SINGLE HORIZONTAL RUNS  
NO VAPOR BARRIER INSULATION**

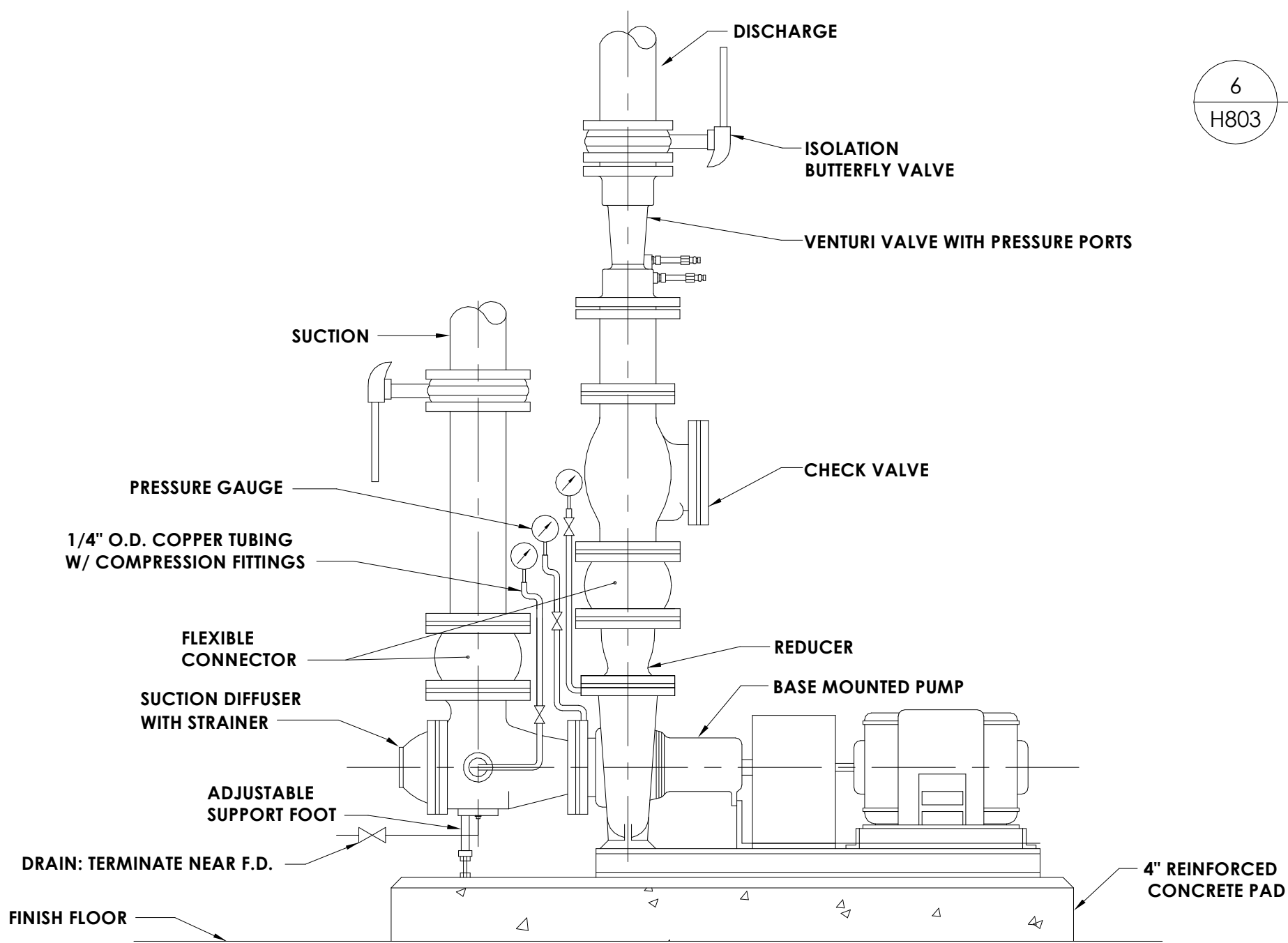
**CLEVIS HANGER  
SINGLE HORIZONTAL RUNS  
WITH VAPOR BARRIER INSULATION**



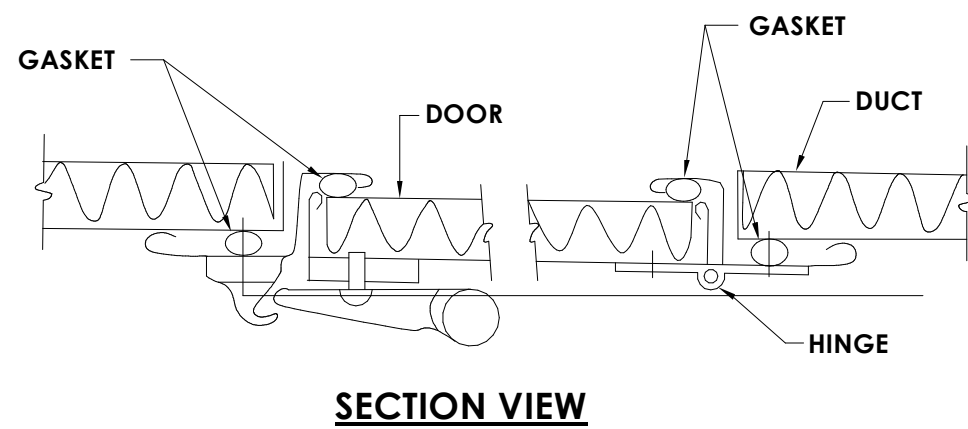
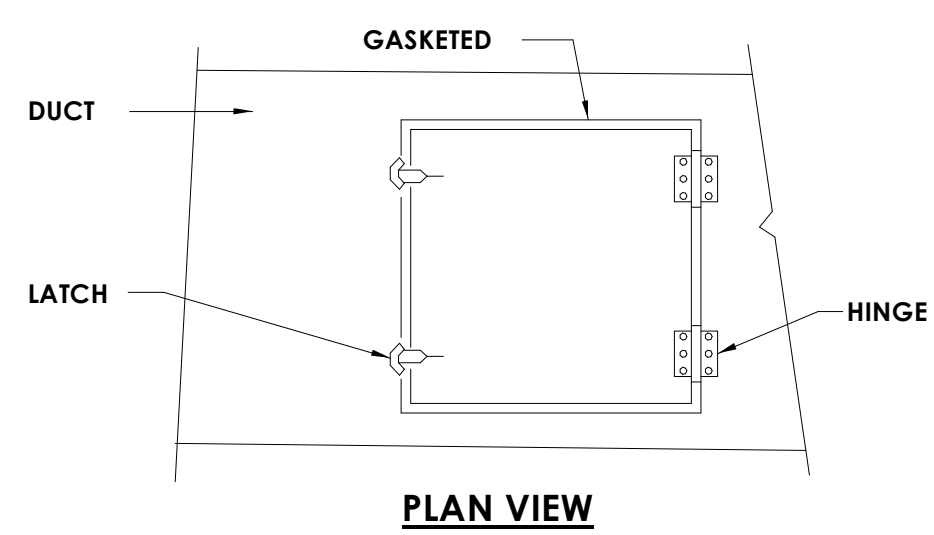
6  
H803  
NOT TO SCALE  
**HORIZONTAL FIRE DAMPER DETAIL**



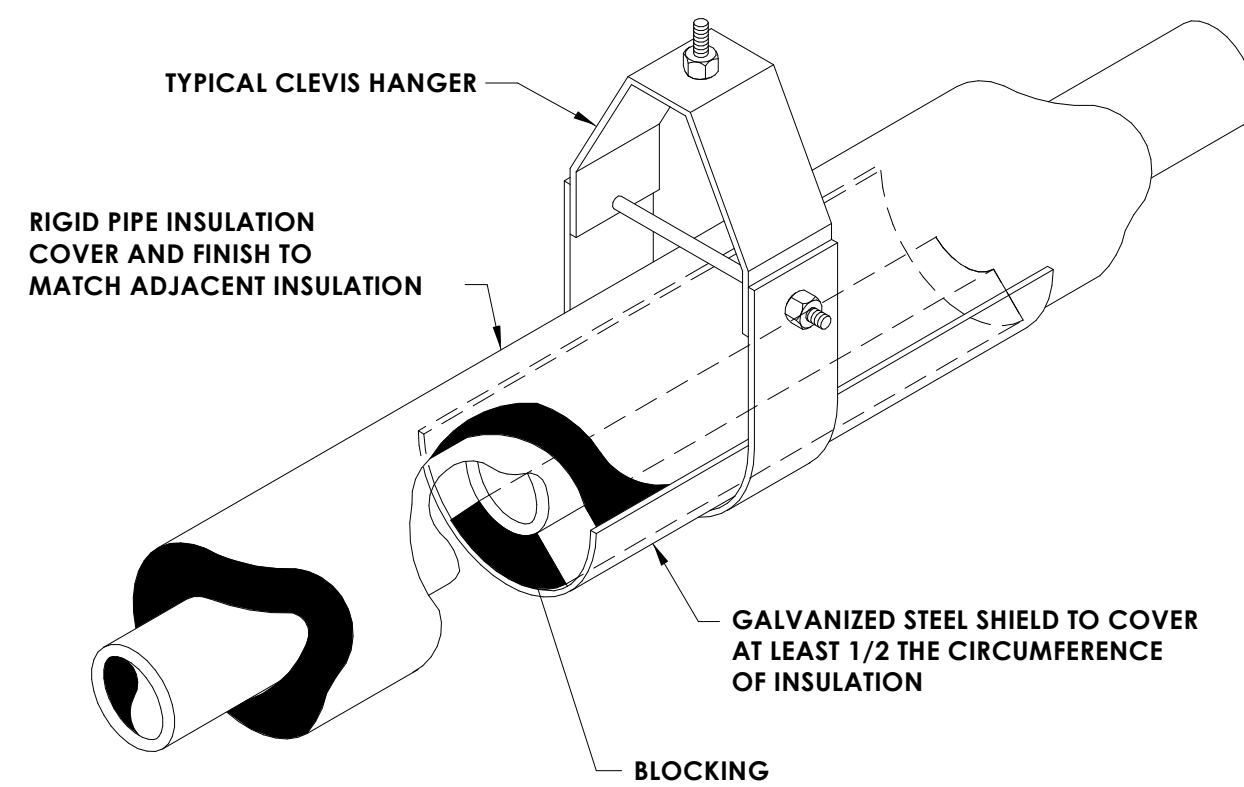
7  
H803  
NOT TO SCALE  
**VERTICAL FIRE DAMPER DETAIL**



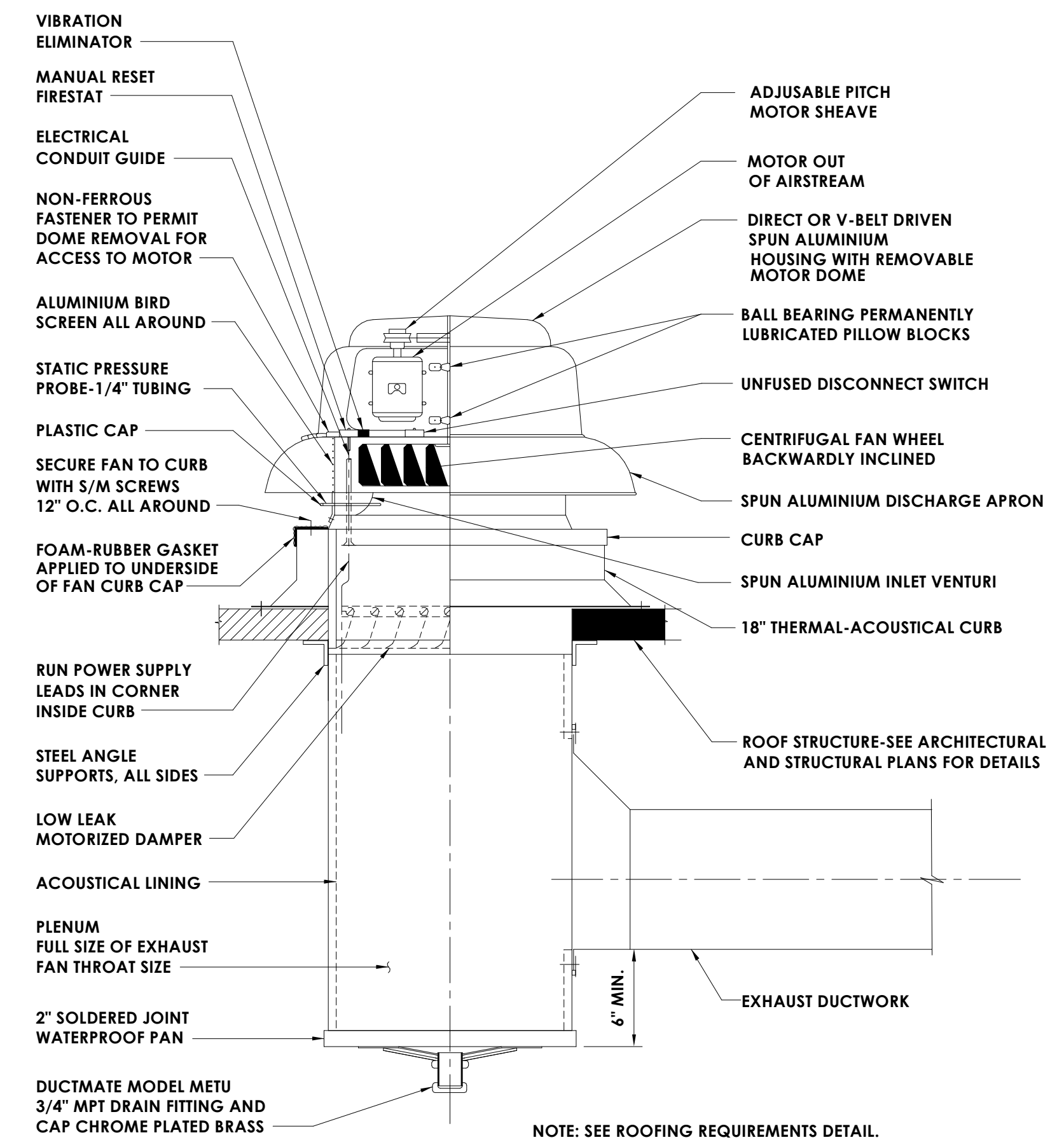
9  
H803  
NOT TO SCALE  
**BASE MOUNTED PUMP WITH VFD DETAIL**



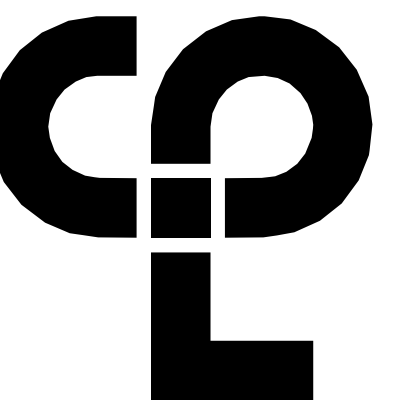
10  
H803  
NOT TO SCALE  
**ACCESS DOOR DETAIL**



11  
H803  
NOT TO SCALE  
**INSULATED PIPE HANGER DETAIL**



8  
H803  
NOT TO SCALE  
**EXHAUST FAN DETAIL**



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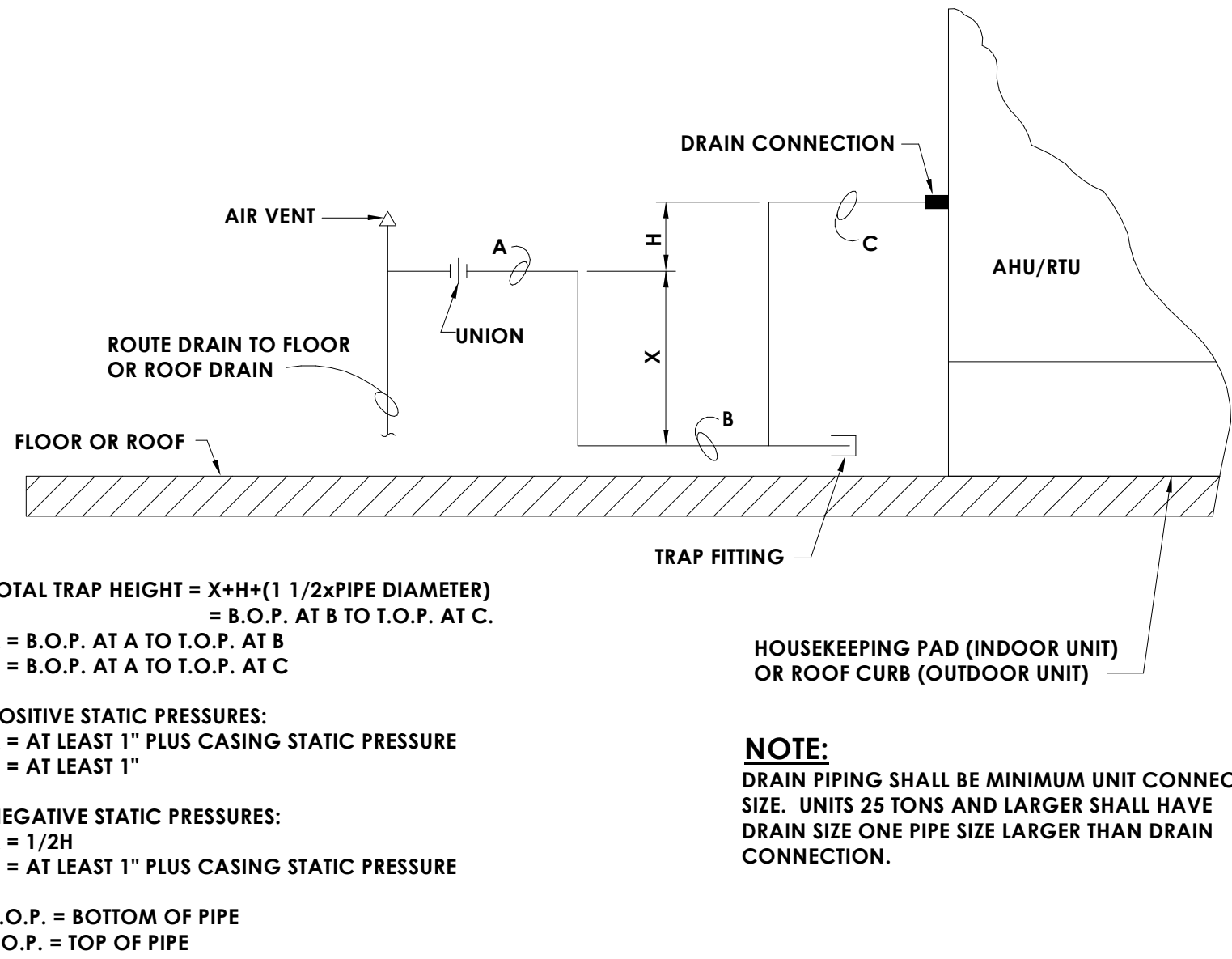
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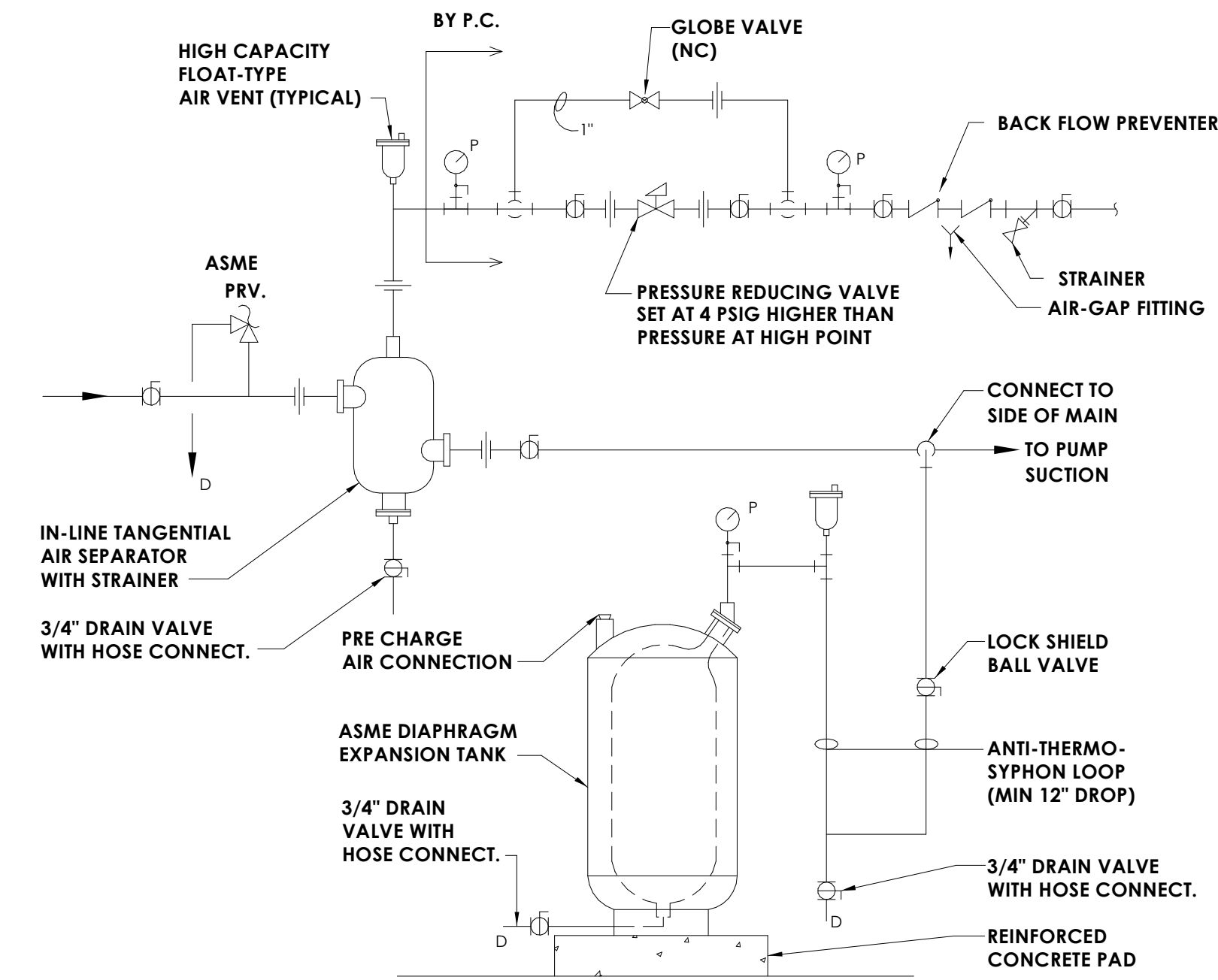


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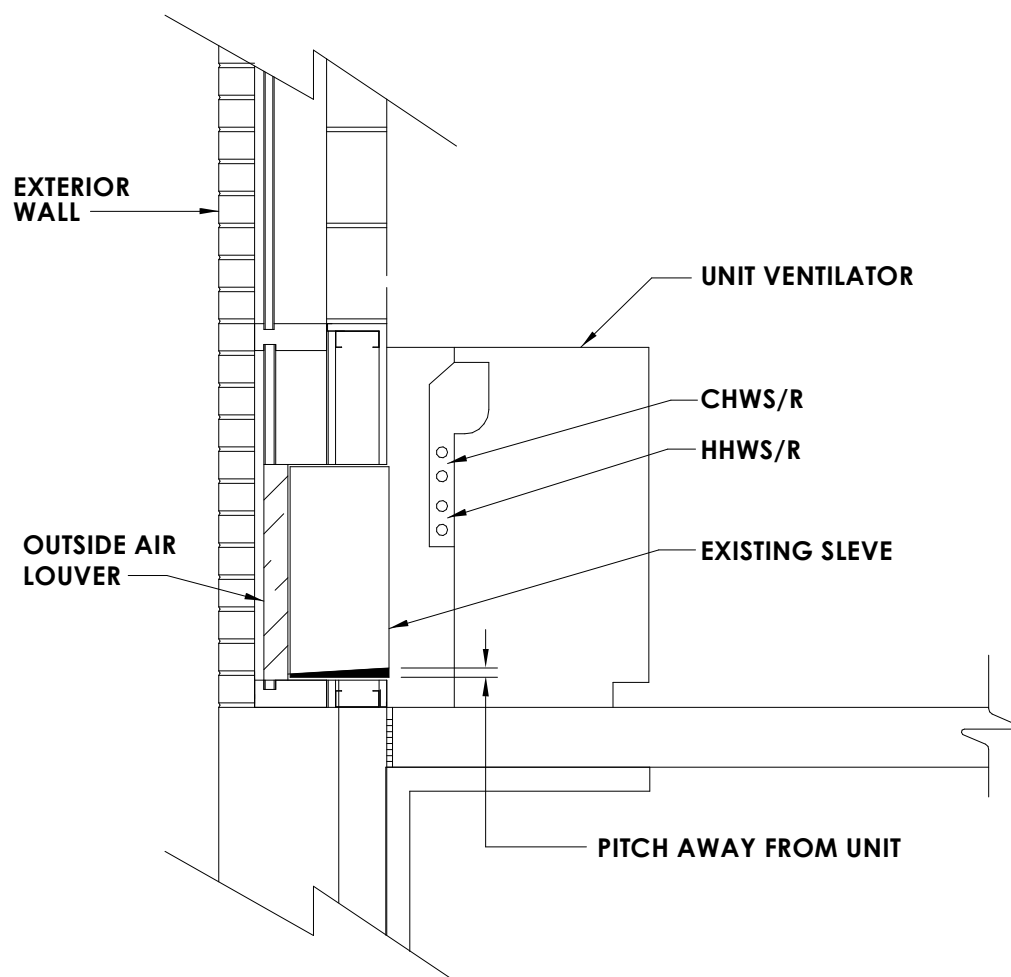
1  
H804  
NOT TO SCALE

**TYPICAL AHU/RTU CONDENSATE DRAIN DETAIL**



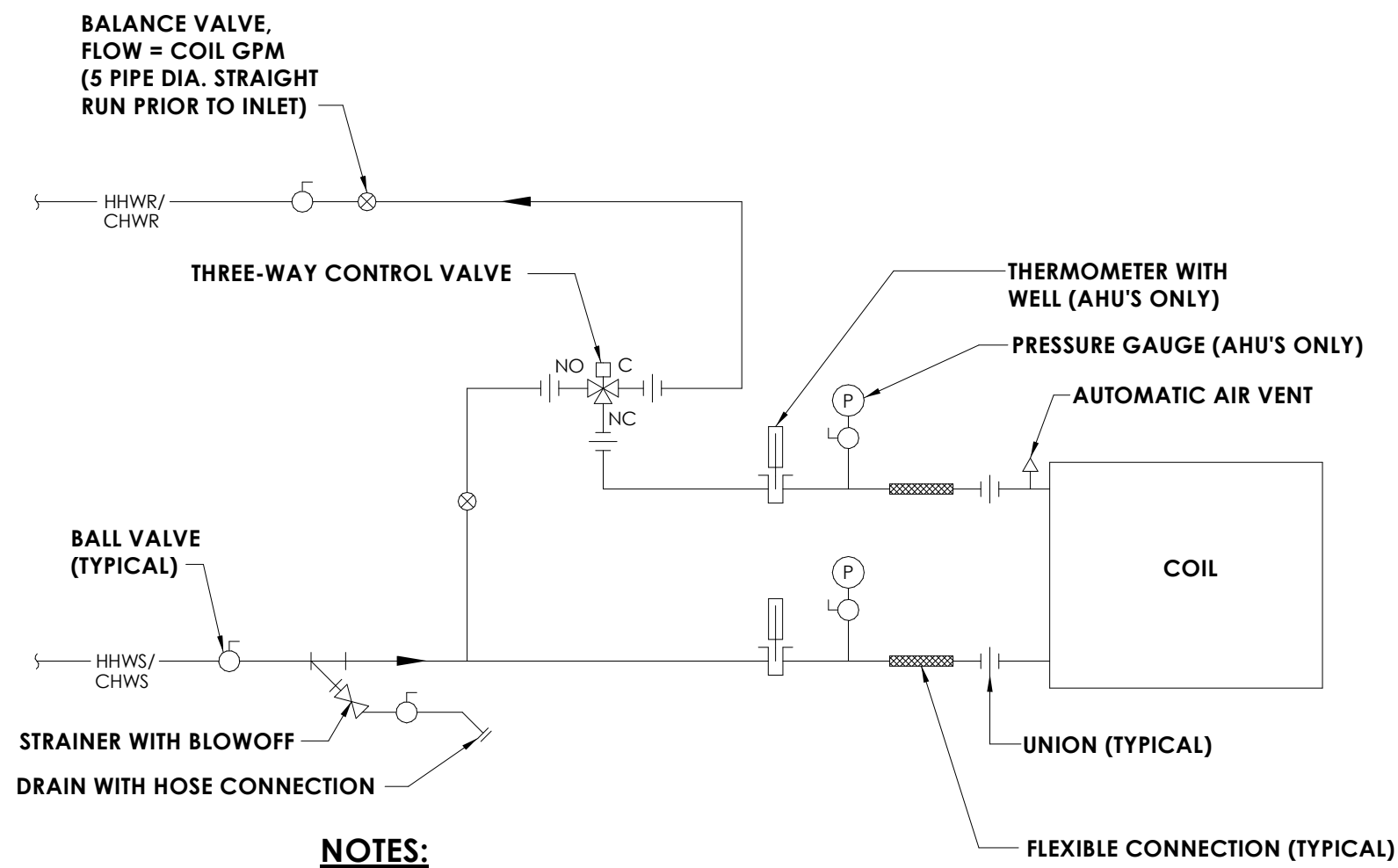
3  
H804  
NOT TO SCALE

**COMPRESSION TANK AND MAKE-UP WATER DETAIL**



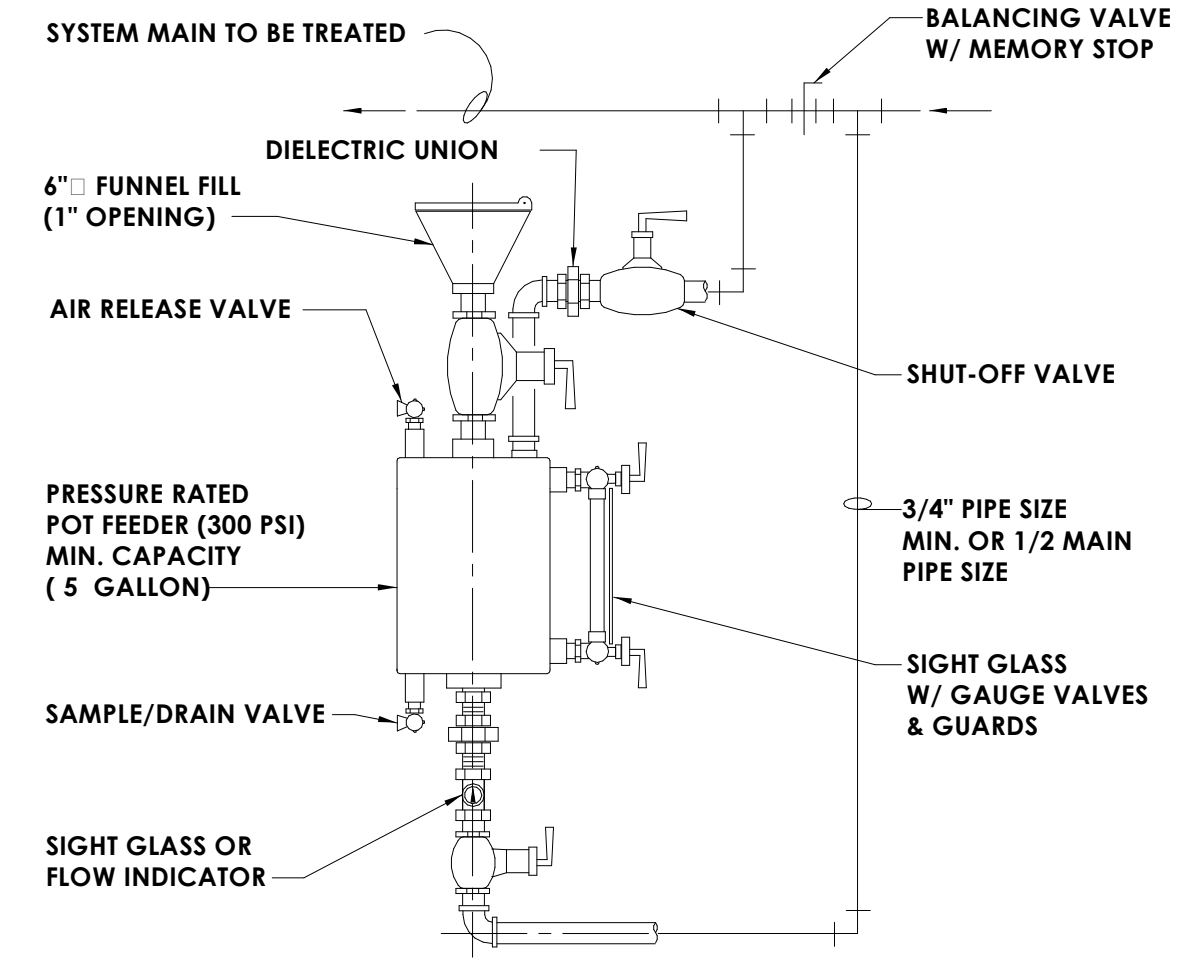
5  
H804  
NOT TO SCALE

**TYPICAL SECTION AT VERTICAL UNIT VENTILATOR**



2  
H804  
NOT TO SCALE

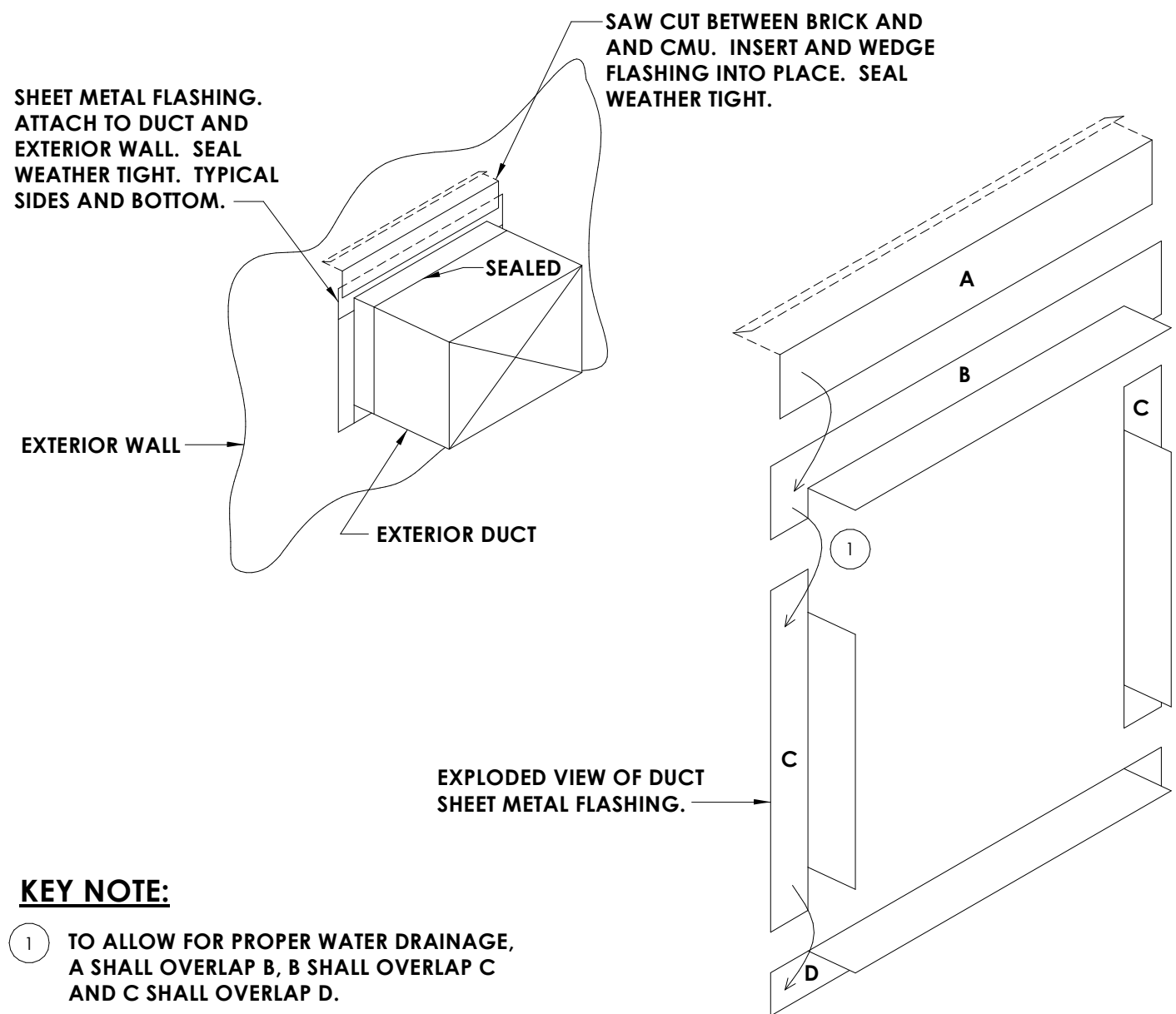
**HOT WATER AND CHILLED WATER COIL PIPING SCHEMATIC**



**NOTE TO DESIGNER**  
MINIMUM CAPACITY 1/1000 OF SYSTEM VOLUME (5 GAL)  
2 1/2 GALLON & LARGER REQ. (3) SUPPORT LEGS ON HOUSEKEEPING PAD.

4  
H804  
NOT TO SCALE

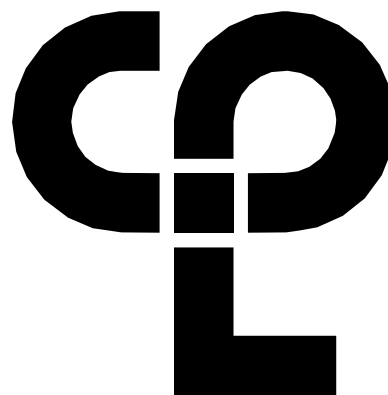
**CHEMICAL POT FEEDER DETAIL**



**KEY NOTE:**  
1 TO ALLOW FOR PROPER WATER DRAINAGE, A SHALL OVERLAP B, B SHALL OVERLAP C AND C SHALL OVERLAP D.

6  
H804  
NOT TO SCALE

**FLASHING AND SEALING OF HORIZONTAL EXTERIOR DUCT PENETRATION THROUGH EXTERIOR WALL**



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ROOF TOP ENERGY RECOVERY UNIT																													
MARK	LOCATION	AREA SERVED	SA (CFM)	EA (CFM)	RA (CFM)	COOLING COIL					SUPPLY FAN					EXHAUST FAN					TOTAL MBH SAVED SUMMER	TOTAL MBH SAVED WINTER	OPERATING WEIGHT (LBS)	FILTERS	ELECTRICAL REQUIREMENTS			TYPICAL UNIT MFG & MODEL NO.	REMARKS:
						TOTAL MBH	SENS MBH	EAT	LAT	AMB	FAN TYPE	E.S.P. (IN. WC)	RPM	BHP	HP	FAN TYPE	E.S.P. (IN. WC)	RPM	BHP	HP					V/Ø/HZ	FLA	MCA		
RTU-4	CAFÉ ROOF	CAFETERIA	9100	6000	6000	486	320	79.7	54.07	75	PLENUM	1	1760	11.89	15	PLENUM	0.5	1760	9.39	10	183	511	3780	MERV 13	208/36Z	195	207	AAON RN-Q25-8-0-EB09-EJK	1,2,3,4
REMARKS:		1. FACTORY MOUNTED AND WIRED DISCONNECT. 115V CONVENIENCE OUTLET, FACOTRY WIRED. CLOGGED FILTER SWITCH. 2. ECM CONDENSER FAN, HEAT PRESSURE CONTROL WITH SIGHT GLASS. REMOTE SAFETY SHUTDOWN TERMINAL. 3. TERMINAL STRIP FOR BMS CONTROL OF FAN AND DAMPERS. COMPATIBLE WITH JOHNSON CONTROLS FACILITY EXPLORER. 4. DOUBLE WALL, R-13 FOAM INSULATION. STAINLESS STEEL DRAIN PAN.																											

AIR SEPARATOR SCHEDULE								
MARK	LOCATION	SERVED	GPM	WEIGHT (LBS)	DIA. (IN)	LNG. (IN)	STRAINER SQ. IN. FA	TYPICAL UNIT MFG & MODEL NO.
AS-1	CHILLER PUMP ROOM	CHILLED WATER	300	579	18	44	6	B&G R-6FB
REMARKS:		1. 30% PROPYLENE GLYCOL.						

PUMP SCHEDULE									
MARK	LOCATION	SERVICE	GPM	HD (FT.)	ELECTRICAL DATA			TYPICAL UNIT MFG & MODEL NO.	REMARKS:
					HP	VOLTS	PH		
P-1	STORAGE 423	CHILLED WATER	300	80	10	208	3	B&G E-1510 3EB	1,2,3
P-2	STORAGE 423	CHILLED WATER	300	80	10	208	3	B&G E-1510 23EB	1,2,3
REMARKS:		1. 30% PROPYLENE GLYCOL. 2. SUCTION DIFFUSER. 3. WALL MOUNTED VFD UNIT DISCONNECT.							

VRF FAN COIL UNITS									
MARK	TOTAL AIRFLOW CFM	NOM.HEATING CAPACITY BTU/HR	NOM.COOLING CAPACITY BTU/HR	WEIGHT (LBS)	POWER (ØV/HZ)	AMPS	TYPICAL UNIT MFG & MODEL NO.	REMARKS:	
SSI-1	1500	27000	24000	47	1 / 208 / 60	12.06	SAMSUNG - AM024KN4DCHI/AA	1,2,3,4,5,6	
SSI-2	1500	27000	24000	47	1 / 208 / 60	12.06	SAMSUNG - AM024KN4DCHI/AA	1,2,3,4,5,6	
SSI-3	1500	27000	24000	47	1 / 208 / 60	12.06	SAMSUNG - AM024KN4DCHI/AA	1,2,3,4,5,6	
SSI-4	1500	27000	24000	47	1 / 208 / 60	12.06	SAMSUNG - AM024KN4DCHI/AA	1,2,3,4,5,6	
SSI-5	1500	27000	24000	47	1 / 208 / 60	12.06	SAMSUNG - AM024KN4DCHI/AA	1,2,3,4,5,6	
SSI-6	1500	27000	24000	47	1 / 208 / 60	12.06	SAMSUNG - AM024KN4DCHI/AA	1,2,3,4,5,6	
SSI-7	1500	27000	24000	47	1 / 208 / 60	12.06	SAMSUNG - AM024KN4DCHI/AA	1,2,3,4,5,6	
SSI-8	1500	27000	24000	47	1 / 208 / 60	12.06	SAMSUNG - AM024KN4DCHI/AA	1,2,3,4,5,6	
SSI-9	350	13500	12000	20.9	1 / 208 / 60	0.31	SAMSUNG - AM012TNVDCHI/AA	1,2,3,4,5,6	
REMARKS:		1. UNIT MOUNTED AND WIRED DISCONNECT. 2. BAC NET INTERGRATION TO BMS, JOHNSON CONTROLS FACILITY EXPLORER. 3. COLOR WHITE. 4. DRAIN PAN LEVEL SESORS. 5. CONDENSATE PUMP. 6. OUTDOOR UNIT POWERS INDOOR UNITS.							

EXPANSION TANK SCHEDULE								
MARK	LOCATION	SERVED	ACCEPT. GAL.	DIA (IN.)	HEIGHT (IN.)	WEIGHT FULL (LBS.)	TYPICAL UNIT MFG & MODEL NO.	REMARKS:
ET-1	CHILLER PUMP ROOM	CHILLED WATER	79	20	58	992	TACO CA-300	1,2
REMARKS:		1. REMOVABLE BLADDER TYPE 2. CHARGE TO 12PSI. 3. 30% PROPYLENE GLYCOL.						

FIN TUBE SCHEDULE											
MARK	BTU/FT.	GPM	TUBE SIZE (IN.)	FINS / FT.	EWT (°F)	EAT (°F)	ENCLOSURE		STYLE	TYPICAL UNIT MFG & MODEL NO.	REMARKS:
FT-1	720	5	3/4	40	180	65	10-3/4	6-1/16	PEDESTAL	STERLING JVB	1,2,3,4
REMARKS:		1. CONTROL VALVES ABOVE THE CEILING. 2. COLOR BY ARCHITECT. 3. ELEMENT LENGTH LISTED ON PLANS. CAT - 66289C RETURN 4. COORDINATE HEIGHT WITH ELECTRICAL DEVICES.									

CHILLER SCHEDULE															
MARK	NOMINAL CAPACITY (TONS)	% PROP GLYCOL	CHILLED WATER				REFRIGERANT		ELECTRICAL DATA			WEIGHT (LBS)	TYPICAL UNIT MFG & MODEL NO.	REMARKS	
			FLOW (GPM)	DELTA P (FT)	IPLV	EWT (°F)	LWT (°F)	REF. TYPE.	CHARGE (LB)	VOLTS/Ø	MCA				MOP
CH-1	180	30	270	17.42	20.516	56.97	42.00	134A	420.00	230/3	654	800	15700	TRANE-ACRB1805B	1,2,3,4
<b>REMARKS:</b> 1. FACTORY MOUNTED AND WIRED DISCONNECT. 2. THE SCHEDULED REFRIGERANT CHARGE IS A MANUFACTURERS ESTIMATE. COORDINATE THE CORRECT CHARGE BASED ON FIELD CONDITIONS. 3. FIVE YEAR COMPRESSOR WARRANTY. 4. HEAT TRACED EVAPORATOR BARREL AND EXTERIOR PIPING. HEAT TRACE SHALL BE ON SEPARATE 120V/20AMP CIRCUIT.															

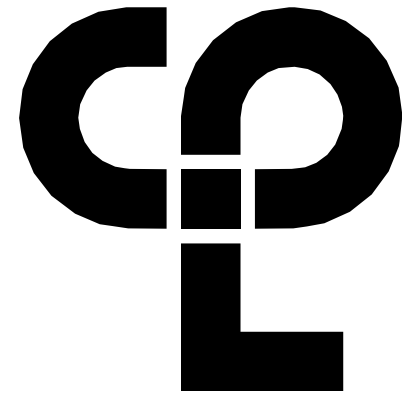
FAN COIL UNIT SCHEDULE																
MARK	TYPE	LOCATION	MAX CFM	COOLING			HEATING					ELECTRICAL DATA			TYPICAL UNIT MFG & MODEL NO.	REMARKS:
				MBH	GPM	WPD	MBH	EWT (°F)	WATER ΔT	GPM	WPD-FT-WC	WATTS	VOLTS	PHASE		
FC-1	DUCTED	159 CUSTODIAN	1020	20	5	3.1	42	180	160	4.5	5.6	150	115	60	AIRTHERM 101-1	1,2,3,4,5
FC-2	CEILING RECESSED	GROUND FLOOR HALL	1020	20	5	3.1	42	180	160	4.5	5.6	150	115	60	AIRTHERM 101-1	1,2,3,4
FC-3	CEILING RECESSED		1020	20	5	3.1	42	180	160	4.5	5.6	150	115	60	AIRTHERM 101-1	1,2,3,4,5
FC-4	CEILING RECESSED	1ST FLOOR HALL	1020	20	5	3.1	42	180	160	4.5	5.6	150	115	60	AIRTHERM 101-1	1,2,3,4,5
FC-5	CEILING RECESSED	1ST FLOOR HALL	1020	20	5	3.1	42	180	160	4.5	5.6	150	115	60	AIRTHERM 101-1	1,2,3,4,5
FC-6	CEILING RECESSED	2ND FLOOR HALL	1020	20	5	3.1	42	180	160	4.5	5.6	150	115	60	AIRTHERM 101-1	1,2,3,4,5
FC-7	CEILING RECESSED	2ND FLOOR HALL	1020	20	5	3.1	42	180	160	4.5	5.6	150	115	60	AIRTHERM 101-1	1,2,3,4,5
FC-8	CEILING RECESSED	1ST FLOOR HALL	1020	20	5	3.1	42	180	160	4.5	5.6	150	115	60	AIRTHERM 101-1	1,2,3,4,5
FC-9	CEILING RECESSED	3RD FLOOR HALL	1020	20	5	3.1	42	180	160	4.5	5.6	150	115	60	AIRTHERM 101-1	1,2,3,4,5
FC-10	DUCTED	105B SCHOOL PSYCHOLOGIST	1020	20	5	3.1	42	180	160	4.5	5.6	150	115	60	AIRTHERM 101-1	1,2,3,4
FC-11	CEILING RECESSED	3RD FLOOR HALL	1020	20	5	3.1	42	180	160	4.5	5.6	150	115	60	AIRTHERM 101-1	1,2,3,4,5
REMARKS:		1. FACTORY MOUNTED AND WIRED DISCONNECT. 2. PROVIDE WITH 1" MERV 7 FILTERS 3. 30% PROPYLENE GLYCOL COOLING COIL. 4. CONDENSATE PUMP. 5. ALTERNATE NO. MC-2														

AIR HANDLING UNIT SCHEDULE																					
MARK	ROOM SERVED	CFM	MIN. OA CFM	EXT. SP W.C.	COOLING MBH					HOT WATER HEATING COIL DATA					SUPPLY FAN MOTOR DATA			TYPICAL UNIT MFG & MODEL NO.	REMARKS		
					TOTAL	SENS	ROWS	EAT °F DBWB	LAT °F DBWB	MBH	EWT	LWT	EAT °F	LAT °F	GPM	WPD FT-W.C.	BHP/HP			RPM	VOLTS/Ø
AHU-1	GYM	3500	750	1.5	145	102	4	83.2/68.8	57.9/56	204	180	138	58.7/55.6	111.5/72.7	10	0.7	3.3/4	1935	208/3/60	AAON: H3-DRB-8-0-162D-12F	1,2,3,4
AHU-2	GYM	3500	750	1.5	145	102	4	83.2/68.8	57.9/56	204	180	138	58.7/55.6	111.5/72.7	10	0.7	3.3/4	1935	208/3/60	AAON: H3-DRB-8-0-162D-12F	1,2,3,4
AHU-3	GYM	3500	750	1.5	145	102	4	83.2/68.8	57.9/56	204	180	138	58.7/55.6	111.5/72.7	10	0.7	3.3/4	1935	208/3/60	AAON: H3-DRB-8-0-162D-12F	1,2,3,4
AHU-4	GYM	3500	750	1.5	145	102	4	83.2/68.8	57.9/56	204	180	138	58.7/55.6	111.5/72.7	10	0.7	3.3/4	1935	208/3/60	AAON: H3-DRB-8-0-162D-12F	1,2,3,4
AHU-5	KITCHEN	2600	500	1	98.3	70.57	6	80/67	56.1/44.7	128.7	180	127	60.4/56.6	105.4/71.3	5	0.3	1.68/4	1552	208/3/60	AAON:H3-CRB-8-0-162C-12F	1,2,3,4
AHU-6	MUSIC	4200	1500	1.2	185.6	129.7	6	85.4/70.2	57.8/56.3	266.4	180	122.3	47.9/47.9	104.2/68.5	9.5	0.7	3.12/4	1901	208/3/60	AAON: H3-DRB-8-0-162C-12F	1,2,3,4
REMARKS:		1. FACTORY MOUNTED AND WIRED DISCONNECT. ALL UNITS SHALL BE SINGLE POINT CONNECTION. 2. DAMPER ACTUATORS BY MANUFACTURER. FULLY MODULATING ACCUATORS. MERV 13 FILTERS. MAGNEHELIC HAUGE CLOG FILTER SWITCH. THERMAL EXPANSION VALVES. 3. CONNECT TO EXISTING JOHNSON CONTROLS, FACILITY EXPLORER. 4. VIBRATION ISOLATION.																			

HOT WATER COIL SCHEDULE															
MARK	SERVICE	CFM	AIR DATA			MAX APD (IN. WC)	MIN. MBH	GPM	WATER DATA			MFG SIZE HXL (IN.)	ROWS	TYPICAL UNIT MFG & MODEL NO.	REMARKS:
			TEMP (°F)	ENT	LVG				TEMP (°F)	ENT	LVG				
HC-1	SF-9	2250	-2	70	0.76	174.960	18.8	180	160	3.8	15X22	2		CAPITAL COIL W-8-2215-12B-HCA-R	1
HC-2	RTU-4	9100	-2	70	0.56	707.616	70.8	180	160	4.5	46X30	4		CAPITAL COIL	1
REMARKS:		1. TUBE ØD 0.625, TUBE SPACING 1.50X1.299													

REGISTERS, GRILLES, AND DIFFUSERS						
MARK	APPLICATION	MATERIAL	TYPE	FINISH	DESIGN EQUIP.	REMARKS
D1	SUPPLY	STEEL	LAY-IN	WHITE	PRICE SPD	4
D2	SUPPLY	STEEL	DUCT GRILLE	WHITE	PRICE SDG	1,3
S1	SUPPLY	STEEL	DUCT GRILLE	WHITE	PRICE HCD	1
R1	RETURN/EA	STEEL	LAY-IN	WHITE	PRICE PDR	4
R2	RETURN/EA	STEEL	WALL GRILLE	WHITE	PRICE 90	2,3
<div>REMARKS:</div> <div><div>1. OPOSED BLADE DAMPER.</div><div>2. CONCEALED MOUNTING.</div><div>3. SINGLE DEFLECTION. BLADES PARALLEL TO LENGTH.</div><div>4. INSULATED BACK PAN.</div></div>						





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NEWBURGH, NY 12550  
CPLteam.com

PROJECT INFORMATION

Project Number  
13940.18  
Client Name

NEWBURGH ENLARGED CITY  
SCHOOL DISTRICT

PHASE 3: HERITAGE MIDDLE  
SCHOOL 2019 CAPITAL  
IMPROVEMENT PROJECT

Project Address  
405 Union Avenue, New Windsor, NY 12553

SED Number  
44-16-00-01-0-039-011

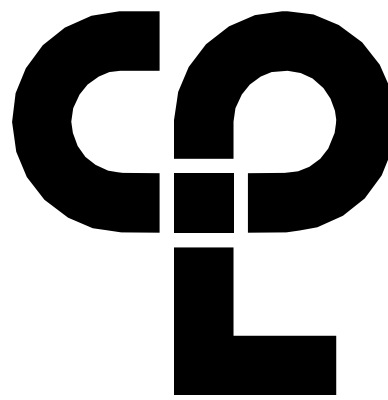
PROJECT ISSUE SCHEDULE

No. Date Description

UNIT VENTILATOR SCHEDULE																							
MARK	ROOM SERVES	OA FAN	EA FAN	UNIT TYPE	CFM	EXT. SP.	ELECTRICAL		MIN. OA CFM	WINTER				HW COIL CAPACITY				CW COIL CAPACITY				TYPICAL UNIT MFG & MODEL NO.	REMARKS:
							MCA	VOLT/Ø		OA °F	RA °F	EWT °F	EAT °F	LAT °F	MBH	GPM	EWT °F	EAT °F	LAT °F	MBH	GPM		
UV-1	438	-	-	HORIZONTAL	1500	0.625	5.9	120/I	600	5	72	180	45.2	95	81049.5	4.2	45	79.8	56	38734.5	6.7	MAGICAIRE MAUH	1.2,4.5,6
UV-2	105	SF-8	RF-8	HORIZONTAL	1000	0.625	5	120/I	550	5	72	180	35.2	95	64937.3	3.3	45	81.6	56	27776.0	4.8	MAGICAIRE MAUH	1.2,4.5,6
UV-3	105A	SF-8	RF-8	HORIZONTAL	1000	0.625	5	120/I	450	5	72	180	41.9	95	57667.8	3.0	45	80.4	56	26474.0	4.5	MAGICAIRE MAUH	1.2,4.5,6
UV-4	106	SF-8	RF-8	HORIZONTAL	1000	0.625	5	120/I	475	5	72	180	40.2	95	59485.1	3.1	45	80.7	56	26799.5	4.6	MAGICAIRE MAUH	1.2,4.5,6
UV-5	104	[E]GRV-2	EF-6	HORIZONTAL	1500	0.625	5.9	120/I	675	5	72	180	41.9	95	86501.6	4.5	45	80.4	56	39711.0	6.8	MAGICAIRE MAUH	1.2,4.5,6,8
UV-6	101	[E]GRV-2	EF-5	HORIZONTAL	1000	0.625	5	120/I	525	5	72	180	36.8	95	63119.9	3.3	45	81.3	56	27450.5	4.7	MAGICAIRE MAUH	1.2,4.5,6,8
UV-7	114	SF-3	EF-6	HORIZONTAL	1500	0.625	5.9	120/I	675	5	72	180	41.9	95	86501.6	4.5	45	80.4	56	39711.0	6.8	MAGICAIRE MAUH	1.2,4.5,6,8
UV-8	113A	SF-3	RF-1	HORIZONTAL	1000	0.625	5	120/I	550	5	72	180	35.2	95	64937.3	3.3	45	81.6	56	27776.0	4.8	MAGICAIRE MAUH	1.2,4.5,6
UV-9	1138	SF-3	RF-1	HORIZONTAL	1000	0.625	5	120/I	550	5	72	180	35.2	95	64937.3	3.3	45	81.6	56	27776.0	5.7	MAGICAIRE MAUH	1.2,4.5,6
UV-10	112	SF-3	RF-1	HORIZONTAL	1000	0.625	5	120/I	500	5	72	180	38.5	95	61302.5	3.2	45	81.0	56	27125.0	5.6	MAGICAIRE MAUH	1.2,4.5,6
UV-11	109	SF-3	RF-1	HORIZONTAL	1000	0.625	5	120/I	470	5	72	180	40.5	95	59121.7	3.0	45	80.6	56	26734.4	5.5	MAGICAIRE MAUH	1.2,4.5,6
UV-12	110	SF-3	RF-2	HORIZONTAL	1250	0.625	5.9	120/I	525	5	72	180	43.9	95	69358.6	3.6	45	80.0	56	32604.2	6.7	MAGICAIRE MAUH	1.2,4.5,6
UV-13	111	SF-3	RF-2	HORIZONTAL	1250	0.625	5.9	120/I	525	5	72	180	43.9	95	69358.6	3.6	45	80.0	56	32604.2	6.7	MAGICAIRE MAUH	1.2,4.5,6
UV-14	206	SF-7	RF-8	HORIZONTAL	1000	0.625	5	120/I	650	5	72	180	28.5	95	72206.8	3.7	45	82.8	56	29078.0	6.0	MAGICAIRE MAUH	1.2,4.5,6
UV-15	204	SF-8	RF-8	HORIZONTAL	1000	0.625	5	120/I	475	5	72	180	40.2	95	59485.1	3.1	45	80.7	56	26799.5	5.5	MAGICAIRE MAUH	1.2,4.5,6
UV-16	203	SF-8	RF-8	HORIZONTAL	1000	0.625	5	120/I	500	5	72	180	38.5	95	61302.5	3.2	45	81.0	56	27125.0	5.6	MAGICAIRE MAUH	1.2,4.5,6
UV-17	202	SF-7	RF-8	HORIZONTAL	1250	0.625	5.9	120/I	575	5	72	180	41.2	95	72993.4	3.8	45	80.5	56	33255.3	6.9	MAGICAIRE MAUH	1.2,4.5,6
UV-18 (NOT USED)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
UV-19	209	SF-1	RF-1	HORIZONTAL	1000	0.625	5	120/I	475	5	72	180	40.2	95	59485.1	3.1	45	80.7	56	26799.5	5.5	MAGICAIRE MAUH	1.2,4.5,6
UV-20	215	SF-1	RF-1	HORIZONTAL	1000	0.625	5	120/I	500	5	72	180	38.5	95	61302.5	3.2	45	81.0	56	27125.0	5.6	MAGICAIRE MAUH	1.2,4.5,6
UV-21	214	SF-1	RF-1	HORIZONTAL	1000	0.625	5	120/I	500	5	72	180	38.5	95	61302.5	3.2	45	81.0	56	27125.0	5.6	MAGICAIRE MAUH	1.2,4.5,6
UV-22	216	SF-1	RF-1	HORIZONTAL	1000	0.625	5	120/I	500	5	72	180	38.5	95	61302.5	3.2	45	81.0	56	27125.0	5.6	MAGICAIRE MAUH	1.2,4.5,6
UV-23	212	SF-1	RF-1	HORIZONTAL	1000	0.625	5	120/I	475	5	72	180	40.2	95	59485.1	3.1	45	80.7	56	26799.5	5.5	MAGICAIRE MAUH	1.2,4.5,6
UV-24	213	SF-1	RF-1	HORIZONTAL	1250	0.625	5.9	120/I	575	5	72	180	41.2	95	72993.4	3.8	45	80.5	56	33255.3	6.9	MAGICAIRE MAUH	1.2,4.5,6
UV-25	210	SF-1	RF-1	HORIZONTAL	1000	0.625	5	120/I	500	5	72	180	38.5	95	61302.5	3.2	45	81.0	56	27125.0	5.6	MAGICAIRE MAUH	1.2,4.5,6
UV-26	306	SF-7	RF-7	HORIZONTAL	1000	0.625	5	120/I	500	5	72	180	38.5	95	61302.5	3.2	45	81.0	56	27125.0	5.6	MAGICAIRE MAUH	1.2,4.5,6
UV-27	305	SF-7	RF-7	HORIZONTAL	750	0.625	4.6	120/I	325	5	72	180	43.0	95	42342.1	2.2	45	80.2	56	19692.8	4.1	MAGICAIRE MAUH	1.2,4.5,6
UV-28	304	SF-6	RF-7	HORIZONTAL	1250	0.625	5.9	120/I	525	5	72	180	43.9	95	69358.6	3.6	45	80.0	56	32604.2	6.7	MAGICAIRE MAUH	1.2,4.5,6
UV-29	309	SF-7	EF-6	HORIZONTAL	1000	0.625	5	120/I	500	5	72	180	38.5	95	61302.5	3.2	45	81.0	56	27125.0	5.6	MAGICAIRE MAUH	1.2,4.5,6
UV-30	310	-	EF-6	VERTICAL	1000	0.625	5	120/I	500	5	72	180	38.5	95	61302.5	3.2	45	81.0	56	27125.0	5.6	MAGICAIRE MAUH	1.2,3,4,5,7
UV-31	303	SF-6	RF-6	HORIZONTAL	1000	0.625	5	120/I	500	5	72	180	38.5	95	61302.5	3.2	45	81.0	56	27125.0	5.6	MAGICAIRE MAUH	1.2,4.5,6
UV-32	302	SF-6	RF-6	HORIZONTAL	1000	0.625	5	120/I	500	5	72	180	38.5	95	61302.5	3.2	45	81.0	56	27125.0	5.6	MAGICAIRE MAUH	1.2,4.5,6
UV-33	311	-	EF-7	VERTICAL	1000	0.625	5	120/I	500	5	72	180	38.5	95	61302.5	3.2	45	81.0	56	27125.0	5.6	MAGICAIRE MAUH	1.2,3,4,5,7
UV-34	312	SF-2	EF-7	HORIZONTAL	1000	0.625	5	120/I	500	5	72	180	38.5	95	61302.5	3.2	45	81.0	56	27125.0	5.6	MAGICAIRE MAUH	1.2,4.5,6
UV-35	301	SF-6	RF-6	HORIZONTAL	1000	0.625	5	120/I	500	5	72	180	38.5	95	61302.5	3.2	45	81.0	56	27125.0	5.6	MAGICAIRE MAUH	1.2,4.5,6
UV-36	321	SF-6	RF-6	HORIZONTAL	750	0.625	4.6	120/I	300	5	72	180	45.2	95	40524.8	2.1	45	79.8	56	19367.3	4.0	MAGICAIRE MAUH	1.2,4.5,6
UV-37	320	SF-6	RF-6	HORIZONTAL	1000	0.625	5	120/I	500	5	72	180	38.5	95	61302.5	3.2	45	81.0	56	27125.0	5.6	MAGICAIRE MAUH	1.2,4.5,6
UV-38	318	SF-1	RF-3	HORIZONTAL	1000	0.625	5	120/I	500	5	72	180	38.5	95	61302.5	3.2	45	81.0	56	27125.0	5.6	MAGICAIRE MAUH	1.2,4.5,6
UV-39	317	SF-2	RF-3	HORIZONTAL	1000	0.625	5	120/I	500	5	72	180	38.5	95	61302.5	3.2	45	81.0	56	27125.0	5.6	MAGICAIRE MAUH	1.2,4.5,6
UV-40	316	SF-2	RF-3	HORIZONTAL	1000	0.625	5	120/I	500	5	72	180	38.5	95	61302.5	3.2	45	81.0	56	27125.0	5.6	MAGICAIRE MAUH	1.2,4.5,6
UV-41	313	-	RF-4	VERTICAL	1000	0.625	5	120/I	475	5	72	180	40.2	95	59485.1	3.1	45	80.7	56	26799.5	5.5	MAGICAIRE MAUH	1.4,5,6
UV-42	314	-	RF-4	VERTICAL	1000	0.625	5	120/I	475	5	72	180	40.2	95	59485.1	3.1	45	80.7	56	26799.5	5.5	MAGICAIRE MAUH	1.4,5,6
UV-43	315	-	RF-5	VERTICAL	1000	0.625	5	120/I	500	5	72	180	38.5	95	61302.5	3.2	45	81.0	56	27125.0	5.6	MAGICAIRE MAUH	1.4,5,6
UV-44	307	SF-7	RF-7	HORIZONTAL	1000	0.625	5	120/I	500	5	72	180	38.5	95	61302.5	3.2	45	81.0	56	27125.0	5.6	MAGICAIRE MAUH	1.2,4.5,6
UV-45	402	SF-6	RF-9	HORIZONTAL	1500	0.625	5.9	120/I	625	5	72	180	44.1	95	82866.9	4.3	45	80.0	56	39060.0	8.1	MAGICAIRE MAUH	1.2,4.5,6
UV-46	404	SF-1	RF-10	HORIZONTAL	1500	0.625	5.9	120/I	575	5	72	180	46.3	95	79232.1	4.1	45	79.6	56	38409.0	7.9	MAGICAIRE MAUH	1.2,4.5,6
UV-47	403	SF-1	RF-11	HORIZONTAL	1000	0.625	5	120/I	500	5	72	180	38.5	95	61302.5	3.2	45	81.0	56	27125.0	5.6	MAGICAIRE MAUH	1.2,4.5,6
UV-48	401	SF-6	RF-12	HORIZONTAL	1000	0.625	5	120/I	500	5	72	180	38.5	95	61302.5	3.2	45	81.0	56	27125.0	5.6	MAGICAIRE MAUH	1.2,4.5,6
REMARKS:							1. FACTORY MOUNTED AND WIRED DISCONNECT. 2. CONDENSATE PUMP LITTLE GIANT VCC-205, DRAIN PAN ALARM. 3. FULL ADAPTER WITH ENCLOSED PIPE TUNNEL, FINISHED ENDS. 4. ECM MOTORS. 5. MERV 14 FILTERS. 6. MOUNTED ABOVE THE CEILING. 7. FLOOR MOUNTED, PROVIDE WITH NEW LOUVER AND LINTLE. 8. ALTERNATE NO. MC-3																

DUST COLLECTOR SCHEDULE - ALTERNATE NO. MC-5														
MARK	MANUFACTURER	MODEL	SERVICE	DESIGN AIRFLOW	FAN BLOWER				SHAKER MOTOR				REMARKS:	
					ESP. (IN.WG)	RPM	HP	ENCL.	V/PH/Hz	RPM	HP	ENCL.		V/PH/Hz
DC-1	STERNVENT	DKPD 36007-2	TECH 08	2250 CFM	8	3450	7.5	TEFC	208/3/60	1150	1/3	TEFC	208/3/60	1,2,3,4,5,6
REMARKS:														
1. BLOWER MOTOR SHALL BE AMCA "C" SPARK RESISTANT CONSTRUCTION.														
2. FACTORY MOUNTED AND WIRED NEMA 4 MAGNETIC STARTERS FOR BLOWER AND SHAKER.														
3. TWO 65-CALLON DRUMS FOR DUST COLLECTION.														
4. EXPLOSION RELIEF DOOR.														
5. DUST SWITCH SYSTEM FOR INTERLOCKING DUST COLLECTOR OPERATION WITH SHOP EQUIPMENT.														
6. FLAMEX SPARK SUPPRESION SYSTEM.														

OA VENTILATION CALC									
ROOM NUMBER	ROOM NAME	SQFT	CLASSIFICATION	PEOPLE/1000	PEOPLE	CFM/PERSON	OA/SQFT	OA TOTAL	OA W/ EZ
101	7TH GRADE GEN SCIENCE	1000	CLASSROOM	35	35	10	0.12	470	588
104	7TH GRADE GEN SCIENCE	1146	CLASSROOM	35	40.11	10	0.12	539	673
105	8TH GRADE ELA CLASSROOM	900	CLASSROOM	35	31.5	10	0.12	423	529
105A	SCIENCE 12:1:1	500	CLASSROOM	35	17.5	10	0.12	235	294
105B	SCHOOL PSYCHOLOGIST	250	OFFICE	5	1.25	5	0.06	21	27
105C	CONFERENCE ROOM	250	CONFERENCE	50	12.5	5	0.06	78	97
106	8TH GRADE MATH CLASSROOM	716	CLASSROOM	35	25.06	10	0.12	337	421
107	ISS	364	CLASSROOM	35	12.74	10	0.12	171	214
108	SAFE	363	CLASSROOM	35	12.705	10	0.12	171	213
109	8TH GRADE S.S. CLASSROOM	716	CLASSROOM	35	25.06	10	0.12	337	421
110	GENERAL SCIENCE	944	CLASSROOM	35	33.04	10	0.12	444	555
111	GENERAL SCIENCE	941	CLASSROOM	35	32.935	10	0.12	442	553
112	8TH GRADE MATH CLASSROOM	807	CLASSROOM	35	28.245	10	0.12	379	474
113A	TECHNOLOGY	900	CLASSROOM	35	31.5	10	0.12	423	529
113B	TECHNOLOGY	900	CLASSROOM	35	31.5	10	0.12	423	529
114	8TH GRADE GEN SCIENCE	1144	CLASSROOM	35	40.04	10	0.12	538	672
201	ISS 12:1:1	495	CLASSROOM	35	17.325	10	0.12	233	291
202	HOME & CAREERS	979	CLASSROOM	35	34.265	10	0.12	460	575
203	MATH	835	CLASSROOM	35	29.225	10	0.12	392	491
204	S.S.	798	CLASSROOM	35	27.93	10	0.12	375	469
206	ELA	1000	CLASSROOM	35	35	10	0.12	470	588
208	SPEC ED CLASSROOM	363	CLASSROOM	35	12.705	10	0.12	171	213
209	S.S.	716	CLASSROOM	35	25.06	10	0.12	337	421
210	8:1:1	419	CLASSROOM	35	14.665	10	0.12	197	246
212	SPEC ED CLASSROOM	721	CLASSROOM	35	25.235	10	0.12	339	424
213	HOME & CAREERS	943	CLASSROOM	35	33.005	10	0.12	443	554
214	ELA	808	CLASSROOM	35	28.28	10	0.12	380	475
215	ELA	769	CLASSROOM	35	26.915	10	0.12	361	452
216	S.S.	840	CLASSROOM	35	29.4	10	0.12	395	494
301	MATH 12:1:1	766	CLASSROOM	35	26.81	10	0.12	360	450
302	MATH	772	CLASSROOM	35	27.02	10	0.12	363	454
303	ELA	816	CLASSROOM	35	28.56	10	0.12	384	479
304	MATH	900	CLASSROOM	35	31.5	10	0.12	423	529
305	ELA	485	CLASSROOM	35	16.975	10	0.12	228	285
306	SCIENCE CLASSROOM	826	CLASSROOM	35	28.91	10	0.12	388	485
307	SCIENCE CLASSROOM	798	CLASSROOM	35	27.93	10	0.12	375	469
309	CLASSROOM	744	CLASSROOM	35	26.04	10	0.12	350	437
310	MATH	712	CLASSROOM	35	24.92	10	0.12	335	418
311	CLASSROOM	734	CLASSROOM	35	25.69	10	0.12	345	431
312	CLASSROOM	744	CLASSROOM	35	26.04	10	0.12	350	437
313	S.S.	651	CLASSROOM	35	22.785	10	0.12	306	382
314	MATH	669	CLASSROOM	35	23.415	10	0.12	314	393
315	ELA	784	CLASSROOM	35	27.44	10	0.12	368	461
316	CLASSROOM	808	CLASSROOM	35	28.28	10	0.12	380	475
317	S.S.	770	CLASSROOM	35	26.95	10	0.12	362	452
318	ELA	840	CLASSROOM	35	29.4	10	0.12	395	494
320	SCIENCE CLASSROOM	829	CLASSROOM	35	29.015	10	0.12	390	487
321	ART CLASSROOM	483	ART CLASSROOM	20	9.66	10	0.18	184	229
401	MATH	687	CLASSROOM	35	24.045	10	0.12	323	404
402	S.S./ICT	1065	CLASSROOM	35	37.275	10	0.12	501	626
404	ART CLASSROOM	1161	ART CLASSROOM	20	23.22	10	0.18	441	551
405	ELA	687	CLASSROOM	35	24.045	10	0.12	323	404
421	GYMNASIUM	7640	GYM PLAY AREA	7	53.48	10	0.12	1452	1815
434	MUSIC CLASSROOM	1650	MUSIC CLASSROOM	35	57.75	10	0.12	776	969
435	MUSIC ROOM	206	MUSIC CLASSROOM	35	7.21	10	0.12	97	121
436	PRACTICE	85	MUSIC CLASSROOM	35	2.975	10	0.12	40	50
438	PRACTICE	83	MUSIC CLASSROOM	35	2.905	10	0.06	34	43
442	OFFICE	76	OFFICE	5	0.38	5	0.06	6.46	8.075
444	KITCHEN	1046	KITCHEN	20	20.92	7.5	0.12	282	353
445	SERVERY	690	KITCHEN	20	13.8	7.5	0.12	186	233
446	DISHWASHER	310	KITCHEN	20	6.2	7.5	0.12	84	105
448	CAFETERIA/STUDY HALL	4687	CAFETERIA	70	328.09	7.5	0.18	3304	4130
448A	CAFETERIA/STUDY HALL	2028	CAFETERIA	70	141.96	7.5	0.18	1430	1787
600	WEIGHTLIFTING	1000	WEIGHT ROOM	10	10	20	0.06	260	325



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PROJECT INFORMATION

Project Number  
13940.18  
Client Name

NEWBURGH ENLARGED CITY  
SCHOOL DISTRICT

Project Name  
PHASE 3: HERITAGE MIDDLE  
SCHOOL 2019 CAPITAL  
IMPROVEMENT PROJECT

Project Address  
405 Union Avenue, New Windsor, NY 12553

SED Number  
44-16-00-01-0-039-011

PROJECT ISSUE SCHEDULE

No. Date Description

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SHEET INFORMATION

Issued  
09/09/2021  
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1/2" = 1'-0"

Project Status  
CONSTRUCTION DOCUMENTS

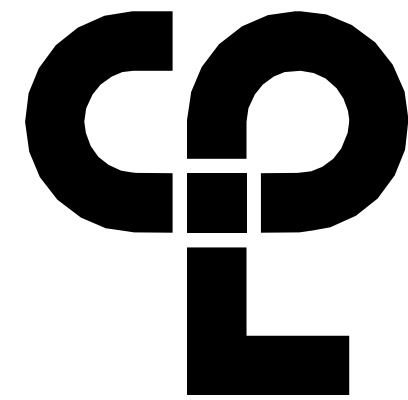
Drawn By  
NRH  
Checked By  
JJM

Drawing Title  
HVAC SCHEDULES

Drawing Number

HMS  
H902





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Checker  
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ADDITION RENOVATION PLAN

Drawing Number

P201

#### PIPING LEGEND

— XX — PIPING  
- - - XX - - - PIPING BELOW GRADE  
— x — EXISTING PIPING  
ST STORM  
////// PLUMBING TO BE REMOVED

#### FIXTURES & FITTINGS LEGEND

TEE OUTLET - UP  
TEE OUTLET - DOWN  
CONNECTION - BOTTOM  
CONNECTION TOP  
ELBOW - TURNED UP  
ELBOW - TURNED DOWN  
PIPE CAP  
CLEAN OUT  
FLOOR CLEAN OUT  
WALL CLEAN OUT  
ROOF DRAIN  
PIPE GUIDE  
PIPE ANCHOR  
FLEXIBLE PIPE CONNECTOR  
EXPANSION JOINT  
POINT OF CONNECTION  
POINT OF REMOVAL

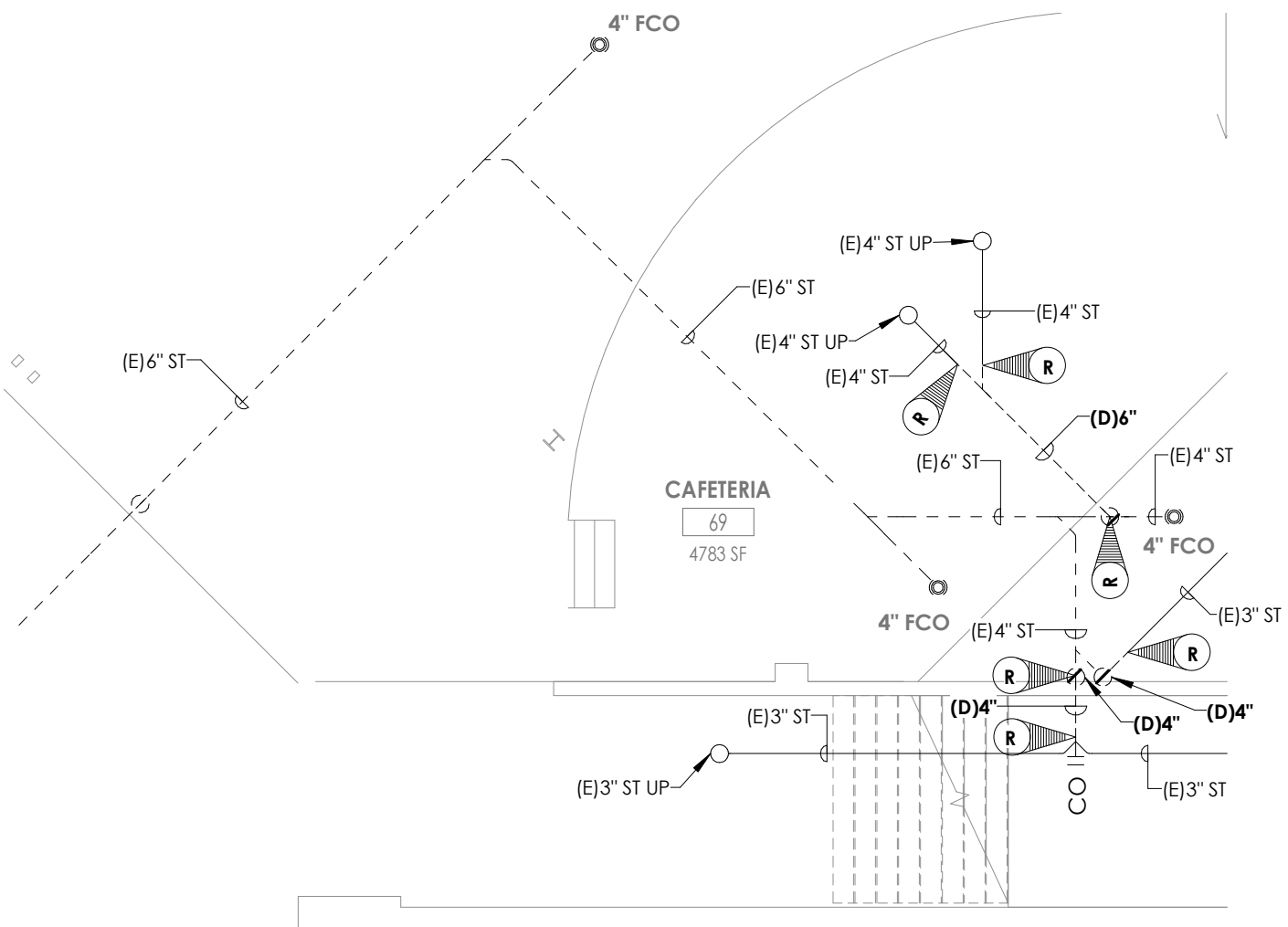
#### KEY NOTES:

- 1 PROVIDE DUAL OUTLET ROOF DRAIN, MOUNTED ABOVE ROOF DECK AND CONNECT TO STORM & SECONDARY DRAIN PIPING SYSTEMS WITHIN CEILING SPACE.
- 2 DISCONNECT & REMOVE EXISTING DRINKING FOUNTAIN, TRIM, AND RELATED WATER/DRAIN/VENT PIPING.
- 3 PROVIDE DRINK FOUNTAIN, SUPPORTS, COLD WATER SUPPLY LINE, SUPPLY SHUT OFF VAVLE, SANITARY PIPING, & VENT PIPING.
- 4 PROVIDE 1" CW MAKE-UP TO CHILLER PUMP ROOM WITH WATTS SERIES 007 DOUBLE CHECK VALVE ASSEMBLY AND CAP. COORDINATE WITH HVAC MECHANICAL CONTRACTOR FOR CONNECTION TO MECHANICAL EQUIPMENT.
- 5 PROVIDE SECONDARY STORM PIPING WITHIN CEILING SPACE AND OUTLET JUST BELOW ROOF AWNING ON EXTERIOR WALL. COORDINATE WITH ARCHITECT FOR FINAL OUTLET LOCATION.

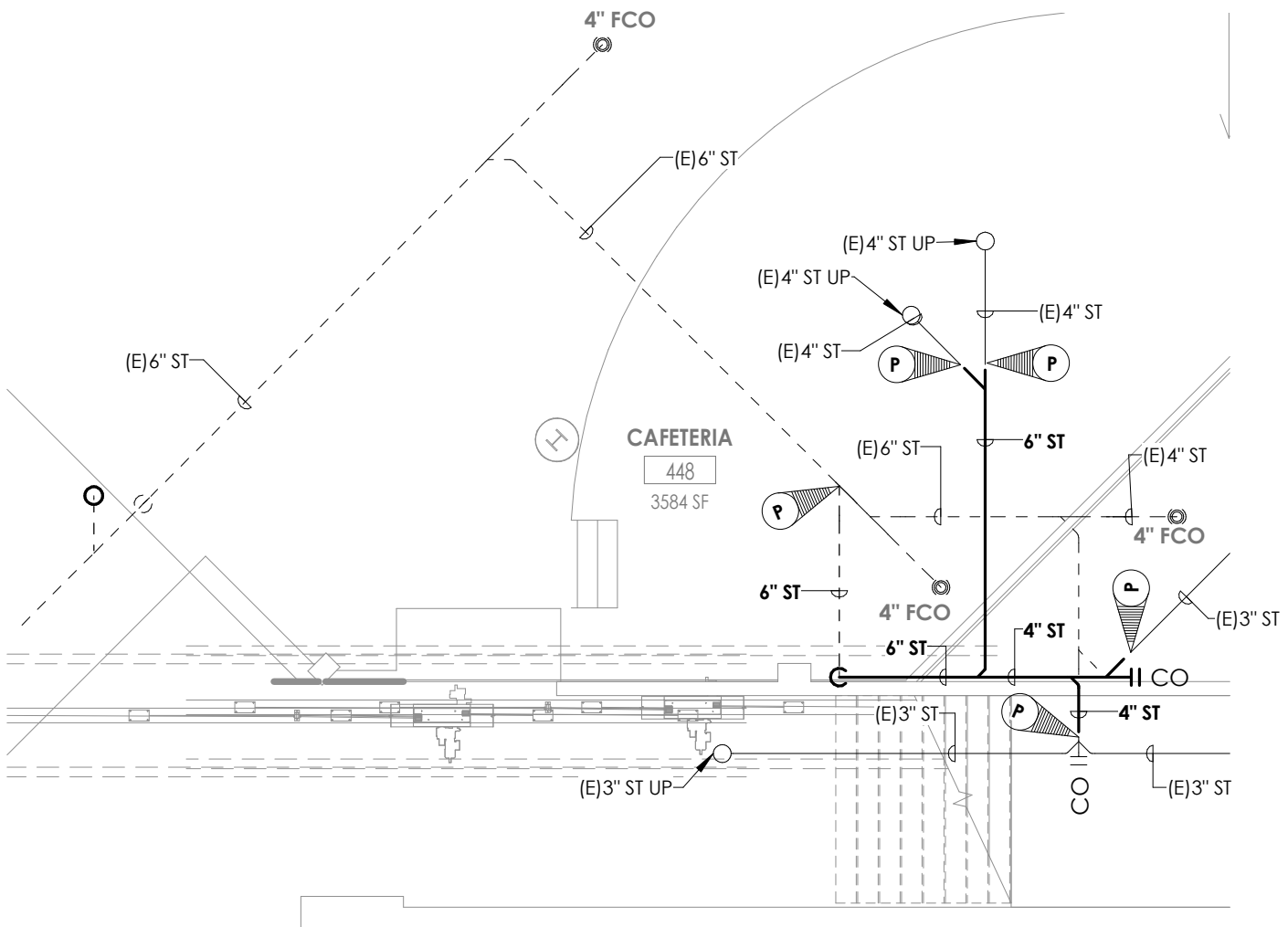
#### PLUMBING EQUIPMENT & FIXTURE SCHEDULE

MARK	FIXTURE	CW	HW	SAN	V	DESCRIPTION	Manufacturer	Model	REMARKS
DF-1	DRINK FOUNTAIN	1/2"		1 1/2"	1 1/2"	SINGLE FOUNTAIN, WALL MOUNT ADA, VANDAL RESISTANT WITH BOTTLE FILLER, REFRIGERATED, SURFACE MOUNT	ELKAY	VRCBWSK	
EP-1	EJECTOR PUMP			2"	2"	EJECTOR PUMP	WEIL PUMPS	1409	
EP-2	EJECTOR PUMP			2"	2"	EJECTOR PUMP	WEIL PUMPS	1409	
RD-1	ROOF DRAIN			4"		ROOF DRAIN, 12" DIA DOME WITH ADJUSTABLE COLLAR, SUMP RECEIVER, UNDER DECK CLAMP	JOSAM	Z1500-AE	
RD-2	ROOF DRAIN (DUAL OUTLET)			4"		DUAL OUTLET ROOF DRAIN, 12" DIA DOME WITH ADJUSTABLE COLLAR, SUMP RECEIVER, UNDER DECK CLAMP	ZURN INDUSTRIES	Z103-45	

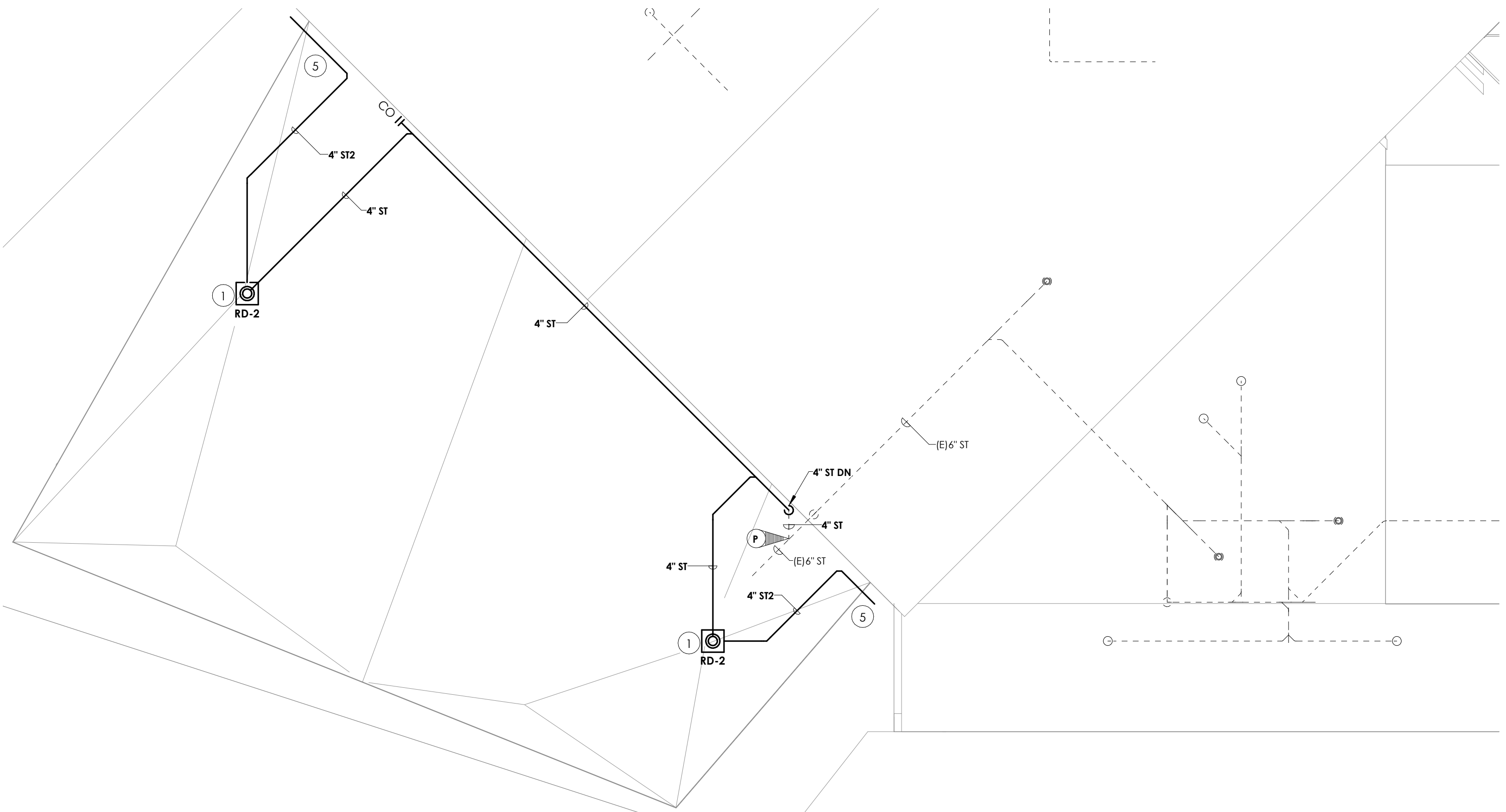
1 CHILLER PUMP ROOM MAKE-UP WATER  
1/8" = 1'-0"



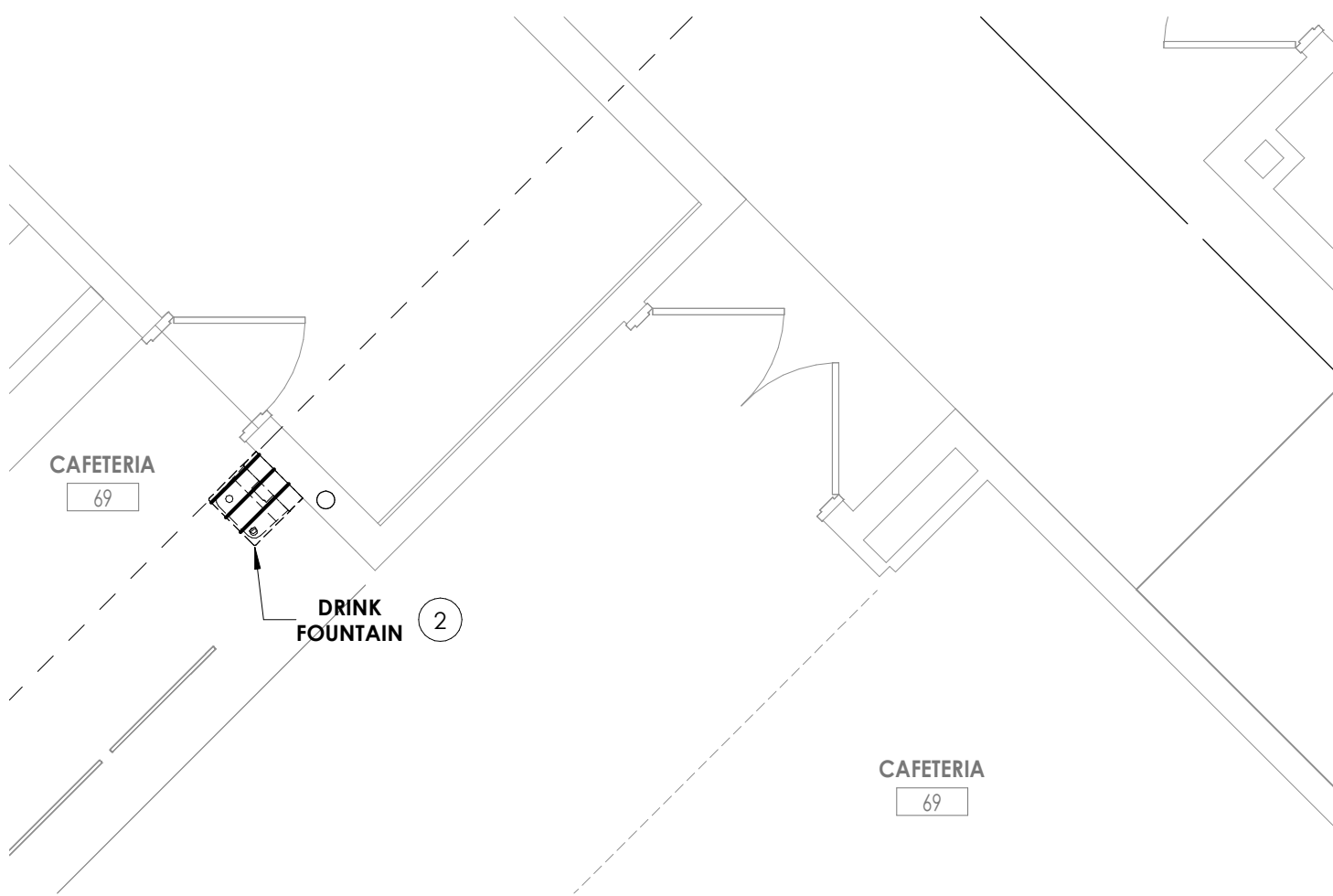
2 CAFETERIA DEMOLITION PLAN  
1/8" = 1'-0"



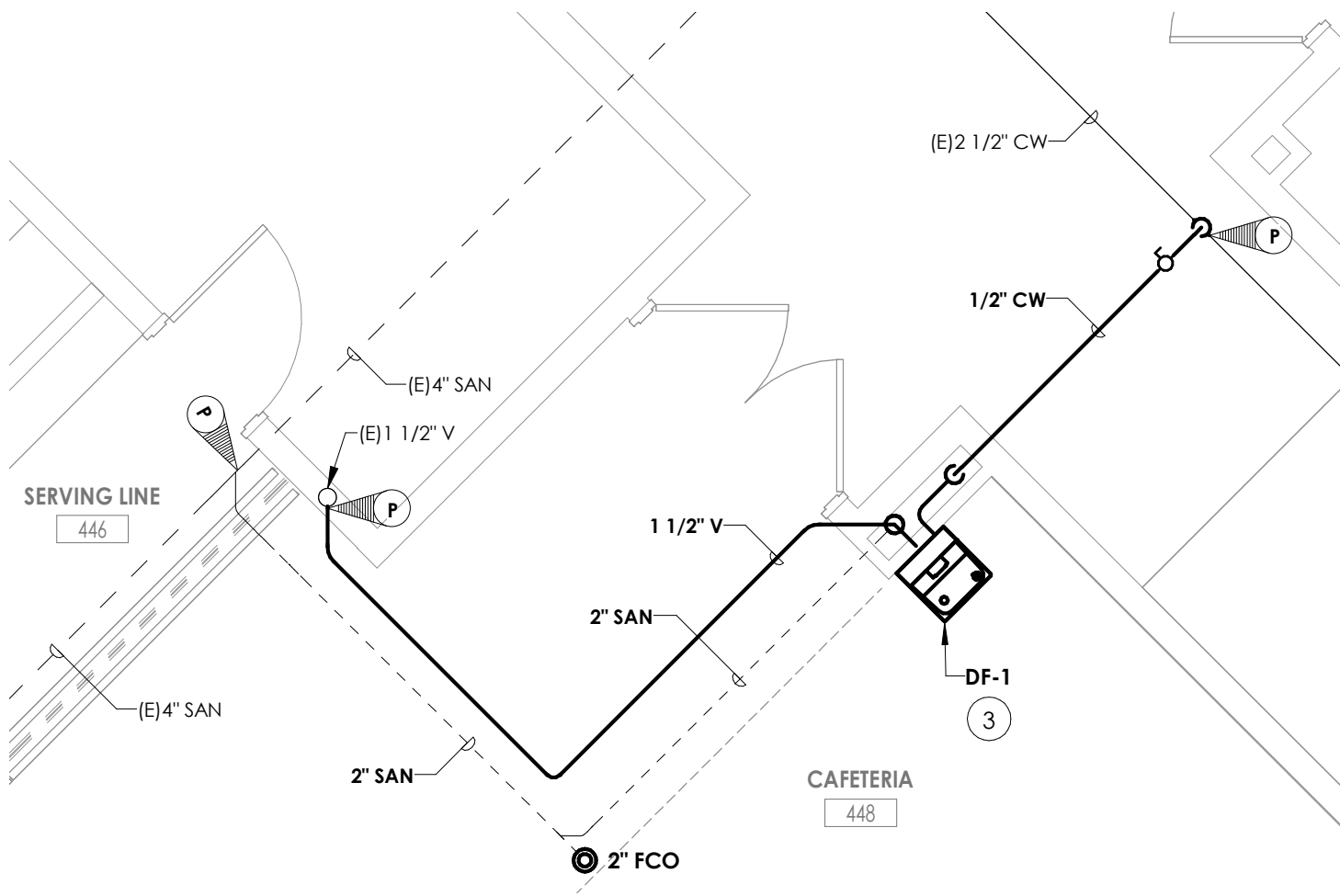
3 CAFETERIA NEW WORK PLAN  
1/8" = 1'-0"



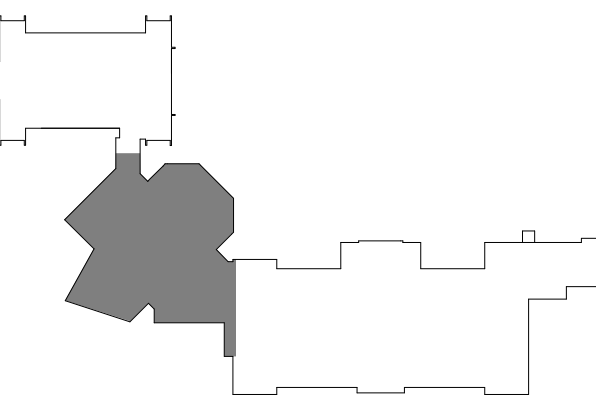
4 CAFETERIA ROOF STORM PIPING PLAN  
1/8" = 1'-0"



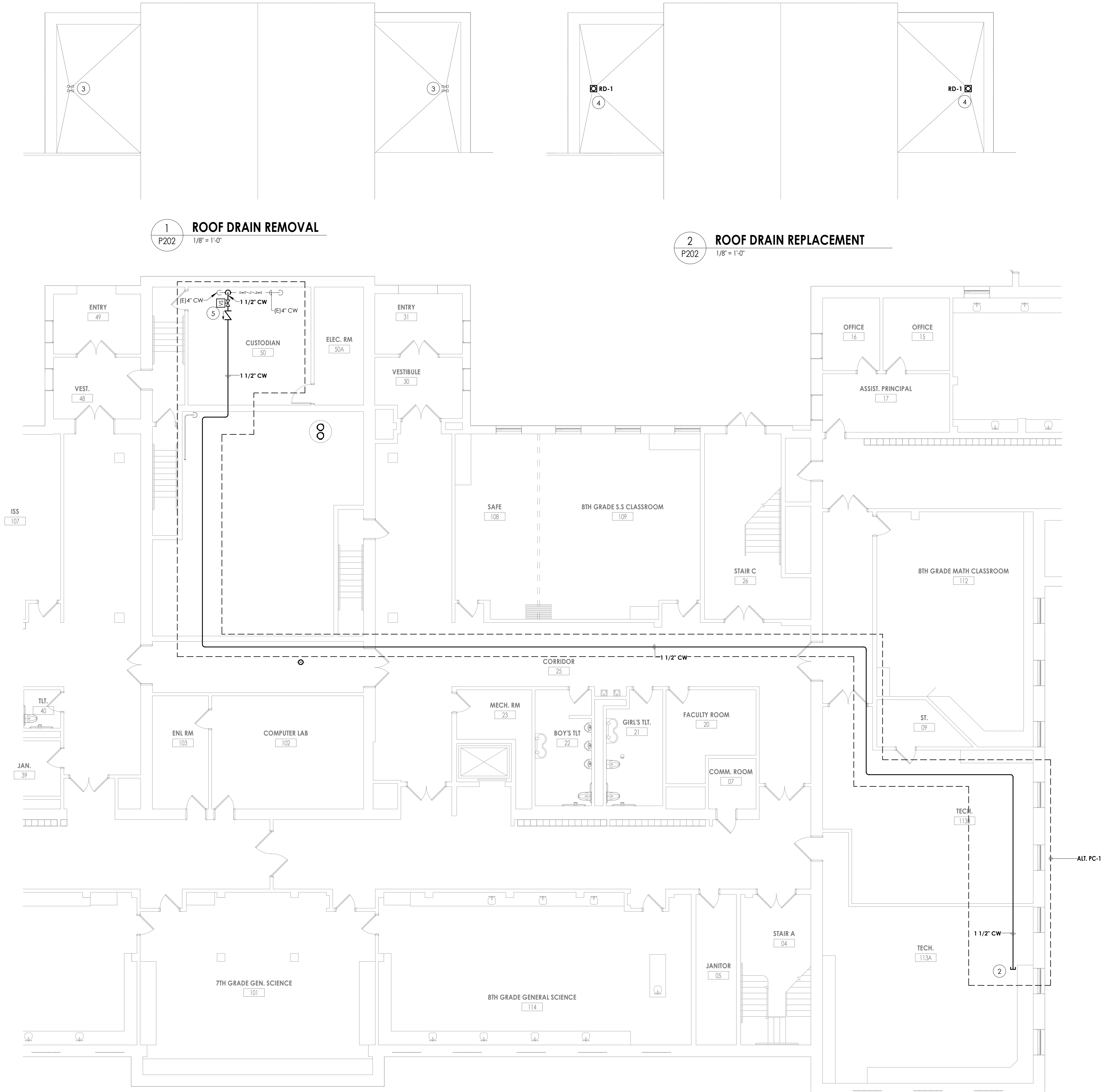
5 DRINKING FOUNTAIN REMOVAL  
1/4" = 1'-0"



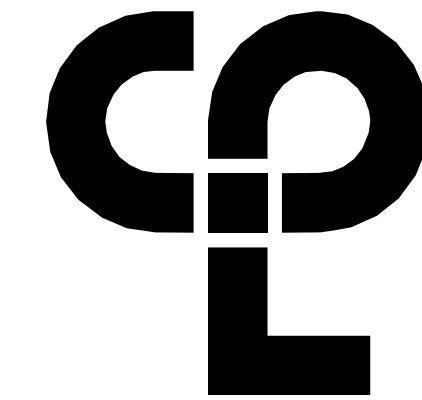
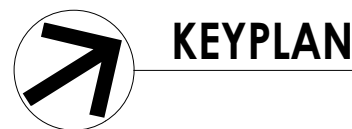
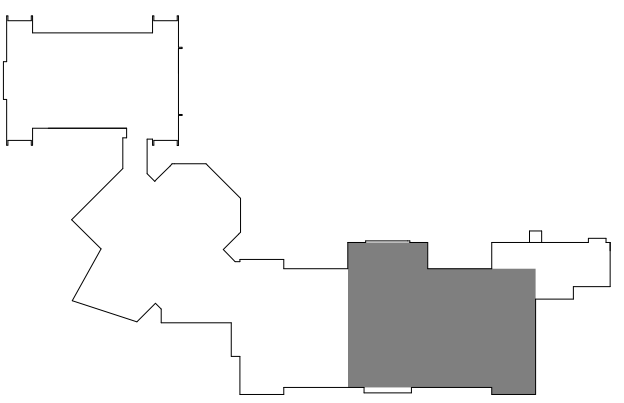
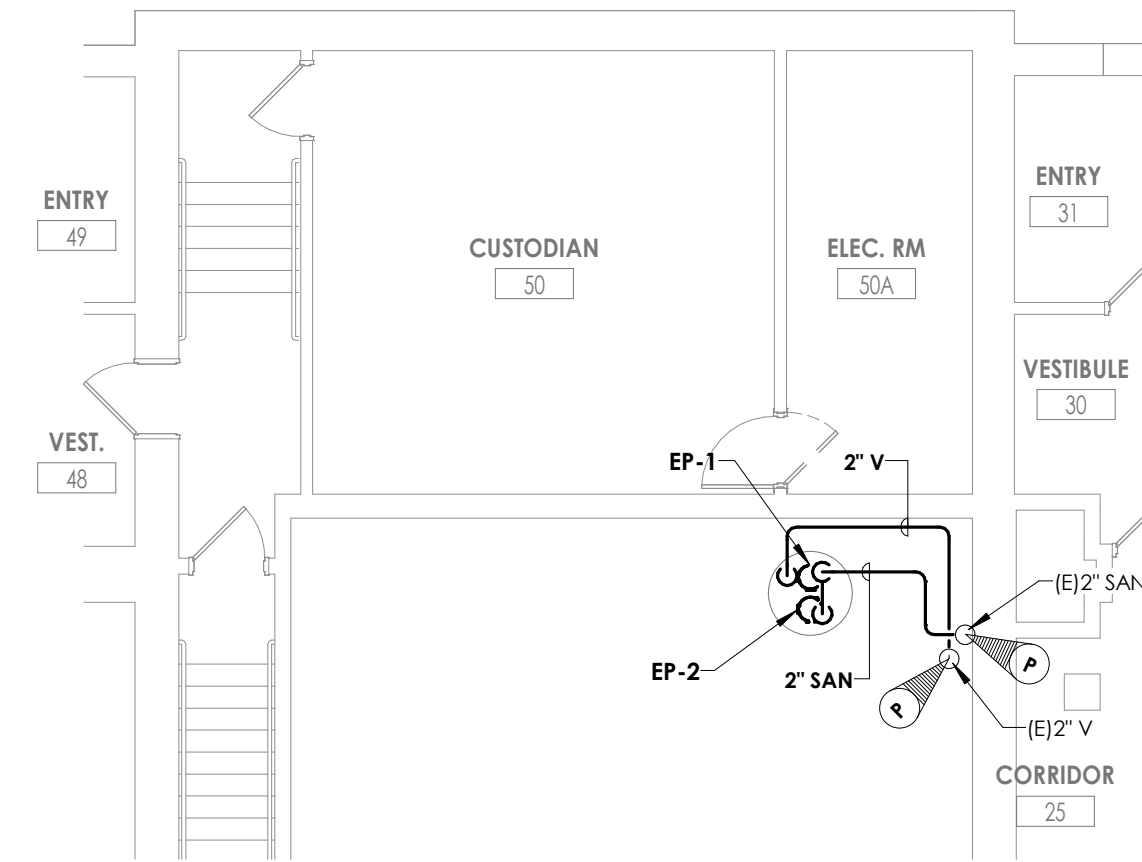
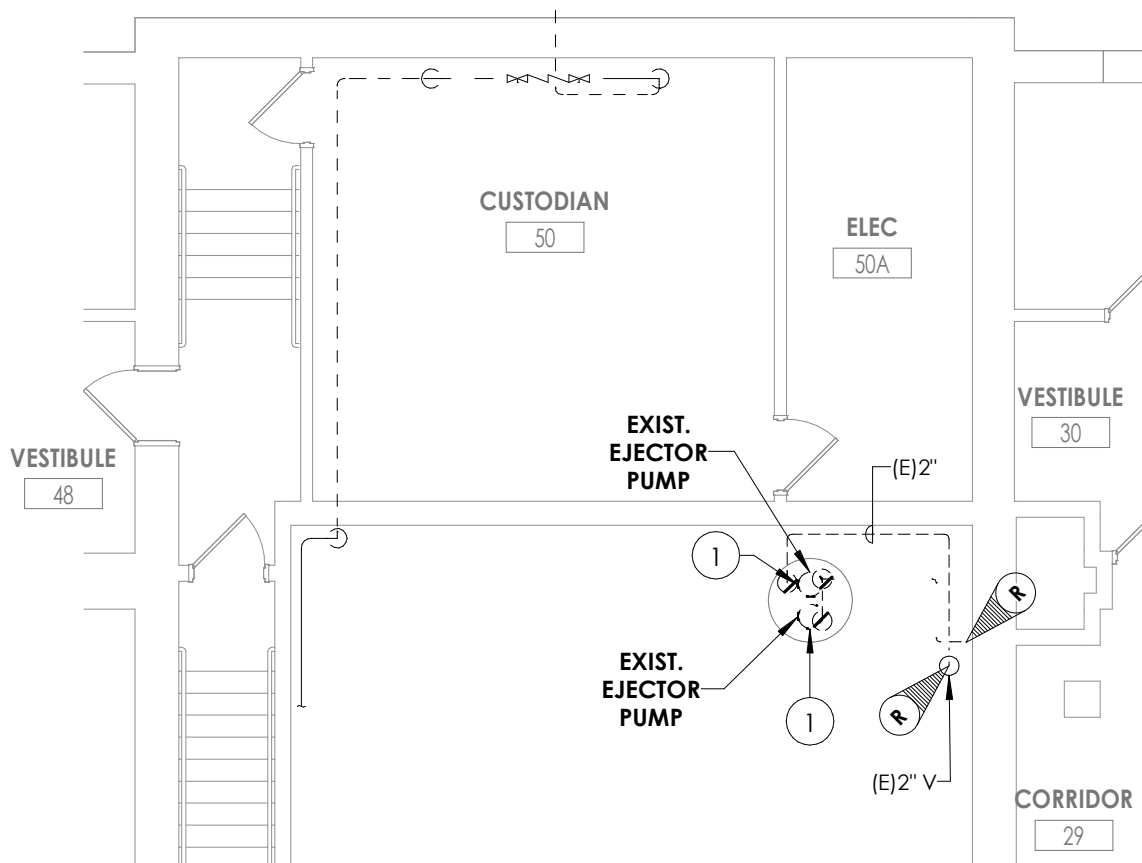
6 DRINKING FOUNTAIN INSTALL  
1/4" = 1'-0"



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- KEY NOTES:**
- 1 DISCONNECT & REMOVE EXISTING SEWAGE EJECTOR PUMP. REMOVE ASSOCIATED SANITARY AND VENT PIPING BACK TO POINT OF DISCONNECTION.
  - 2 COORDINATE WITH MECHANICAL CONTRACTOR TO CONNECT 1-1/2" CW TO DUST COLLECTION SYSTEM EXTINGUISHING SPARK ARRESTING FITTING.
  - 3 DISCONNECT AND REMOVE EXISTING ROOF DRAIN. RETAIN EXISTING STORM SYSTEM PIPING, AND PREPARE FOR RECONNECTION OF NEW ROOF DRAIN.
  - 4 PROVIDE ROOF DRAIN AND CONNECT TO EXISTING STORM SYSTEM PIPING.
  - 5 CONNECT 1-1/2" CW PIPING TO DOMESTIC WATER SERVICE ENTRANCE AFTER RPZ. PROVIDE TAMPER SWITCH AND DOUBLE CHECK VALVE ON NEW 1 1/2" BRANCH. PROVIDE WATTS SERIES 007 DOUBLE CHECK VALVE ASSEMBLY. COORDINATE WITH ELECTRICAL CONTRACTOR TO CONNECT TAMPER SWITCH WIRING TO BUILDING FIRE ALARM NOTIFICATION PANEL.



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**NEWBURGH ENLARGED CITY  
SCHOOL DISTRICT**

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SCHOOL 2019 CAPITAL  
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SED Number  
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**SHEET INFORMATION**

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Drawing Title  
FIRST FLOOR RENOVATION

Drawing Number

P202



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WIRING LEGEND:

S.	SWITCH
(NONE)	SINGLE POLE TOGGLE SWITCH
2	TWO POLE TOGGLE SWITCH
3	THREE WAY TOGGLE SWITCH
4	FOUR WAY TOGGLE SWITCH
WP	SINGLE POLE WEATHER PROOF SWITCH
K	SINGLE POLE KEYED SWITCH
P	SINGLE POLE SWITCH WITH PILOT LIGHT
TM	SINGLE POLE SWITCH WITH ONE HOUR TIMER
T	THERMAL SWITCH
TP	THERMAL SWITCH WITH PILOT LIGHT
M	MOMENTARY CONTACT SWITCH
LV	LOW VOLTAGE SWITCH
D	DIMMER SWITCH
O	OCCUPANCY SENSOR SWITCH
V	VACANCY SENSOR SWITCH
S <sub>II</sub>	ROMAN NUMERAL DESIGNATES NUMBER OF SWITCHES
S <sub>O</sub>	LOWER CASE LETTER DESIGNATES SWITCH LEG
⏏	SINGLE RECEPTACLE
≡	PLUG MOLD
⏏ <sub>2</sub>	DUPLEX RECEPTACLE
⏏ <sub>4</sub>	QUADRAPLEX RECEPTACLE
⏏ <sub>▲</sub>	SPECIAL RECEPTACLE
GFI	GROUND FAULT CIRCUIT INTERRUPTER
WP	WEATHER PROOF IN-USE COVER
SS	SURGE SUPPRESSION
C	COUNTER HEIGHT
TR	TAMPER RESISTANT, UL LISTED
IG	ISOLATED GROUND
RT	RAIN TITE
E	EMERGENCY
X	TYPE X (SEE RECEPTACLE SCHEDULE)
FP	POWER POLE
⏏ <sub>2</sub>	RECESSED FLOOR MOUNTED DUPLEX RECEPTACLE
⏏ <sub>2</sub>	SURFACE MOUNTED FLOOR RECEPTACLE
⏏ <sub>2</sub>	CEILING MOUNTED DUPLEX RECEPTACLE
C	CONDUIT
W	EXPOSED LOW VOLTAGE WIRING
≡	HORIZONTAL NON-METALLIC WIREWAY WITH DATA JACK OUTLETS AND ISOLATED GROUND TYPE DUPLEX RECEPTACLES
≡	VERTICAL NON-METALLIC WIREWAY WITH DATA JACK OUTLETS AND ISOLATED GROUND TYPE DUPLEX RECEPTACLES
WM	WIRE MOLD
J	JUNCTION BOX
F	FIRE SYSTEM
S	SECURITY SYSTEM
DIS	DISCONNECT SWITCH
DIS <sub>WP</sub>	DISCONNECT SWITCH - WEATHER PROOF (NEMA 3R)
F <sub>DIS</sub>	FUSED DISCONNECT SWITCH
COM <sub>DIS</sub>	COMBINATION FUSED DISCONNECT/ MAGNETIC STARTER SWITCH
HOA	HAND/OFF/AUTO
SS	START/STOP
M	MANUAL STARTER
VFD <sub>DIS</sub>	COMBINATION VARIABLE FREQUENCY DRIVE AND DISCONNECT
VFD	VARIABLE FREQUENCY DRIVE
ST/SP	PUSHBUTTON - START, STOP
ST/SP/PL	PUSHBUTTON - START, STOP, WITH PILOT LIGHT
UP/DN/SP	PUSHBUTTON - UP, DOWN, STOP
EF-1	MOTOR WITH DESIGNATOR
TC	TIME CLOCK
HD	HAND DRYER, HARD WIRED
HVP1-6	BRANCH CIRCUIT HOME RUN WITH PANEL NAME AND CIRCUIT NUMBER. QUANTITY OF ARROWHEADS DENOTES QUANTITY OF BRANCH CIRCUITS
GFI BKR.	GFI TYPE BREAKER
A.F. BKR.	ARC FAULT BREAKER
≡	BRANCH CIRCUIT WIRING. PROVIDE QUANTITIES OF CONDUCTORS REQUIRED FOR CIRCUITING AND SWITCHING AS INDICATED
⊕	HARDWIRE CONNECTION
○	CONDUIT RISER UP
⊖	CONDUIT RISER DOWN
T	TRANSFORMER
T <sub>K</sub>	TYPE "K" TRANSFORMER
⏏ <sub>2</sub>	MUSHROOM HEAD PUSH BUTION (EMERGENCY STOP)
⏏ <sub>2</sub>	EMERGENCY BREAK GLASS STATION
⊕	GROUNDING ROD

SINGLE LINE DIAGRAM LEGEND:

	EARTH GROUND
	CHASSIS GROUND
	TRANSFORMER - KVA, PRIMARY AND SECONDARY VOLTAGE INDICATED. CONNECTIONS, K-RATING, AND SHIELD SPECIFIED
	CURRENT TRANSFORMER
	POTENTIAL TRANSFORMER
	FUSE
	DISCONNECT/LOADBREAK SWITCH
	CIRCUIT BREAKER
	CIRCUIT BREAKER DRAWOUT MOUNTED (LOW VOLTAGE)
	AUTOMATIC TRANSFER SWITCH (NORMAL POSITION SHOWN)
	METER
	ENCLOSED CIRCUIT BREAKER
	LIGHTNING ARRESTER
	FUSED DISCONNECT SWITCH
	PANELBOARD- RATINGS AS SPECIFIED IN SINGLE LINE DIAGRAM AND ON PANELBOARD SCHEDULE

COMMUNICATIONS LEGEND:

▼ *	TELEPHONE DROP
(NONE)	STANDARD MODULAR JACK FOR TELEPHONE
W	WALL MOUNTED TELEPHONE MODULAR JACK
P	PUBLIC TELEPHONE MODULAR JACK
C	COUNTER HEIGHT MODULAR JACK
▼	TELEPHONE FLOOR DROP
▽	DATA DROP
▽	COMPUTER FLOOR DROP
▼	COMBINATION TELEPHONE/DATA DROP
▼ <sub>WAP</sub>	WIRELESS ACCESS POINT
WT	WIRELESS TRANSMITTER
T	DATA RACK
TV	COAX CABLE DROP
P	CEILING MOUNT LCD PROJECTOR
◇	SPEAKER (PUBLIC ADDRESS)
(NONE)	CEILING MOUNTED
w	WALL MOUNTED
◇ <sub>S</sub>	SPEAKER (LOCAL SOUND SYSTEM)
△	SPEAKER HORN
Ⓜ	MICROPHONE JACK
Ⓜ	SPEAKER JACK
Ⓜ	VOLUME CONTROL
Ⓜ	CLOCK
Ⓜ	DOUBLE FACE CLOCK
C/S	COMBINATION CLOCK AND SPEAKER

FIRE/LIFE SAFETY LEGEND:

F	FIRE ALARM PULL STATION
F <sub>B</sub>	FIRE ALARM BELL
F <sub>DO</sub>	FIRE ALARM BELL AND STROBE COMBINATION
H	FIRE ALARM HORN
H <sub>DO</sub>	FIRE ALARM HORN AND STROBE COMBINATION
H <sub>WP</sub>	FIRE ALARM HORN AND STROBE COMBINATION, WEATHER PROOF
S	FIRE ALARM SPEAKER
S <sub>C</sub>	FIRE ALARM SPEAKER - CEILING MOUNTED
S <sub>DO</sub>	FIRE ALARM SPEAKER AND STROBE COMBINATION
S <sub>DO</sub>	FIRE ALARM STROBE
S <sub>DO</sub>	FIRE ALARM STROBE - CEILING MOUNTED
SD	SMOKE DETECTOR
SD <sub>WG</sub>	SMOKE DETECTOR WITH GUARD
CO	CARBON MONOXIDE DETECTOR
CH4	NATURAL GAS SENSOR
I	HEAT DETECTOR
I <sub>F</sub>	HEAT DETECTOR - 190° FIXED TEMPERATURE
I <sub>EXP</sub>	HEAT DETECTOR - EXPLOSION PROOF
SD <sub>BT</sub>	BEAM SMOKE DETECTOR TRANSMITTER
SD <sub>BR</sub>	BEAM SMOKE DETECTOR RECEIVER
SD <sub>DU</sub>	DUCT DETECTOR
SA	INDICATES INSTALLATION IN SUPPLY AIR
RA	INDICATES INSTALLATION IN RETURN AIR
RTS	REMOTE TEST STATION FOR DUCT DETECTOR
R	FIRE ALARM SHUT DOWN RELAY
DH	FIRE DOOR HOLD OPEN
VS	TAMPER SWITCH
WF	FLOW SWITCH
FSS	FIRE SUPPRESSION ANSUL SYSTEM CONNECTION
SD <sub>FD</sub>	SMOKE DAMPER RELAY CONNECTION
SD	SMOKE DAMPER AND FIRE DAMPER
SD	SMOKE DAMPER
AM	CONTROL MODULE, ADDRESSABLE
▪	AREA OF RESCUE CALL STATION
MDA	AREA OF RESCUE MASTER TELEPHONE STATION
PMS	PARTITION MOTION SENSOR (FOR MOVING DOORS)

SECURITY LEGEND:

KP	SECURITY KEY PAD
CC	VIDEO CAMERA
VM	CCTV VIDEO MONITOR
MD	PASSIVE INFRARED MOTION DETECTOR
PR	PROXIMITY CARD READER
C	CALL SWITCH
DC	DOOR CONTACT
WC	WINDOW CONTACT
ES	ELECTRIC STRIKE DOOR RELEASE
MR	MAGNETIC DOOR RELEASE

NOTE:

SYMBOLS SHOWN ON THIS ELECTRICAL SYMBOLS LIST ARE FOR REFERENCE PURPOSES ONLY. ALL OF THESE SYMBOLS MAY NOT BE USED FOR THIS PROJECT.

LIGHT FIXTURE LEGEND:

	LIGHTING FIXTURE (SEE LIGHTING FIXTURE SCHEDULE FOR LETTER DESIGNATION AND DESCRIPTION OF FIXTURES)
	EMERGENCY AND/OR NIGHT LIGHT LIGHTING FIXTURE
	EXIT LIGHTING FIXTURE UNIVERSAL MOUNT, SINGLE/DOUBLE FACE (WHERE USED, ARROW INDICATES CHEVRON DIRECTION)
	BATTERY POWERED EMERGENCY LIGHT
	EMERGENCY LIGHT REMOTE HEAD
	TRACK LIGHTING
	POLE MOUNTED LIGHTING (QUANTITY AND ORIENTATION OF HEADS AS SHOWN)
	OCCUPANCY SENSOR - CEILING MOUNTED
	OCCUPANCY SENSOR - WALL MOUNTED
LC	LIGHTING CONTACTOR
PC	PHOTOCELL

PANEL LEGEND:

EXIST	EXISTING ELECTRICAL PANEL
NEW	NEW ELECTRICAL PANEL
MDP	MAIN DISTRIBUTION PANEL
LVP	LOW VOLTAGE PANEL
HVP	HIGH VOLTAGE PANEL
LP	LIGHTING CONTROL PANEL
IG	ISOLATED GROUND PANEL
MSB	MAIN SWITCH BOARD
MCC	MOTOR CONTROL CENTER
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSION
ATS	AUTOMATIC TRANSFER SWITCH
XXX	ELECTRICAL SYSTEMS PANEL
SACP	SECURITY ALARM CONTROL PANEL
FACP	FIRE ALARM CONTROL PANEL
PA	PUBLIC ADDRESS CONTROL PANEL
FAAP	FIRE ALARM ANNUNCIATOR PANEL

ELECTRICAL PANELBOARD LABELING PLACARD

LINE 1 - PANELBOARD NAME: PPI (EXAMPLE)  
LINE 2 - VOLTAGE AND PHASE: 480/277V-3PH-4W (EXAMPLE)  
LINE 3 - WHERE PANELBOARD IS FED FROM: FF MSB BREAKER #14 (EXAMPLE)

GENERAL ELECTRICAL NOTES:

- ALL WORK TO BE DONE IN ACCORDANCE WITH THE LATEST ADOPTED EDITION OF THE NATIONAL ELECTRIC CODE (NFPA 70).
- CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS AND COORDINATE WITH EXISTING EQUIPMENT PRIOR TO BIDDING.
- BUILDING:
  - INSTALL DATA JACKS FOR CEILING MOUNTED WIRELESS TRANSMITTERS ABOVE CEILING IN ALL AREAS WHERE THERE IS AN ACCESSIBLE CEILING, UNLESS OTHERWISE NOTED. PROVIDE FLUSH MOUNTED JACKS IN ALL HARD CEILINGS.
- ALL CONDUIT AND WIRING TO BE CONCEALED IN WALLS, FLOOR, OR ABOVE CEILINGS UNLESS OTHERWISE NOTED OR APPROVED BY THE ARCHITECT/ENGINEER. ALL DEVICE OUTLET BOXES SHALL BE RECESSED UNLESS OTHERWISE NOTED OR APPROVED BY THE ARCHITECT/ENGINEER. WHERE APPROVED OR NOTED, SURFACE METAL RACEWAY AND DEVICE BOXES SHALL BE USED IN-LIEU OF CONDUIT AND CONCEALED BOXES AT NO EXTRA COST TO THE OWNER.
- ALL CONDUIT ROUTES SHOWN ARE APPROXIMATE ONLY. CONTRACTOR SHALL FIELD VERIFY FINAL ROUTE.
- CONDUIT RUNS SHOWN ARE SCHEMATICAL AND DO NOT INDICATE THE NECESSARY FITTINGS AND JUNCTION BOXES THAT ARE INCLUDED IN THE SCOPE OF THE WORK.

GROUNDING:

- ALL METAL RACEWAYS, INCLUDING CONDUIT, WIRE TROUGHS, WIREMOLD, ETC., SHALL BE GROUNDED. ALL CONNECTIONS IN METAL RACEWAYS SHALL BE COMPLETED IN SUCH A MANNER AS TO MAINTAIN A CONTINUOUS PATH TO GROUND THROUGHOUT THE ENTIRE LENGTH OF THE RACEWAY.

WIRING:

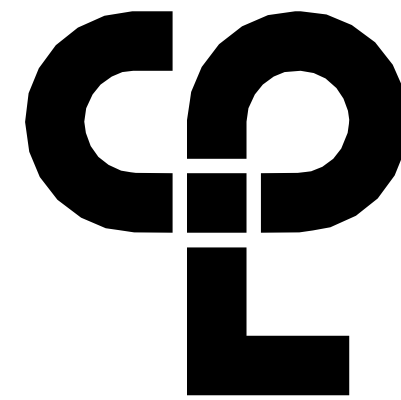
- UNLESS NOTED OTHERWISE ON THE DRAWINGS OR ON THE EQUIPMENT WIRING SCHEDULE, EACH BRANCH CIRCUIT SHALL BE THREE (3) #12 AWG THHN/THWN (1 HOT, 1 NEUTRAL & 1 EQUIPMENT GROUND) IN 3/4" EMT CONDUIT. PROTECT EACH CIRCUIT WITH A 20 AMPERE, 1-POLE OVERCURRENT DEVICE UNLESS OTHERWISE NOTED. PROVIDE #10 AWG FOR 120V BRANCH CIRCUITS LONGER THAN 100 FEET. COMBINED NEUTRALS ARE NOT PERMITTED.

INSTALLATION HEIGHTS:

HEIGHT TO CENTER OF EQUIPMENT ABOVE FINISHED FLOOR UNLESS OTHERWISE NOTED TO BE THE FOLLOWING:

- RECEPTACLE = 18"
- SWITCH = 44"
- MODULAR JACK FOR WALL MOUNTED TELEPHONE = 52"
- MODULAR TELEPHONE JACK = 18"
- AUDIO/VISUAL FIRE ALARM INDICATORS = 88"
- FIRE ALARM PULL STATIONS = 48"
- TELEVISION OUTLET = 7'-0"
- COMPUTER OUTLET = 18"
- CALL SWITCH = 44"
- REMOTE TEST STATION FOR DUCT DETECTOR = 52"

C = ABOVE COUNTER BACKSPLASH, COORDINATE WITH ARCHITECTURAL ELEVATIONS.



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NEWBURGH, NY 12550  
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PROJECT INFORMATION

Project Number  
13940.18  
Client Name

NEWBURGH ENLARGED CITY  
SCHOOL DISTRICT

Project Name

PHASE 3: HERITAGE MIDDLE  
SCHOOL 2019 CAPITAL  
IMPROVEMENT PROJECT

Project Address  
405 Union Avenue, New Windsor, NY 12553

REVISION SCHEDULE

# Date Description

SHEET INFORMATION

Issued  
09/06/2021

CONSTRUCTION DOCUMENTS

Drawn By

RJD

Drawing Title

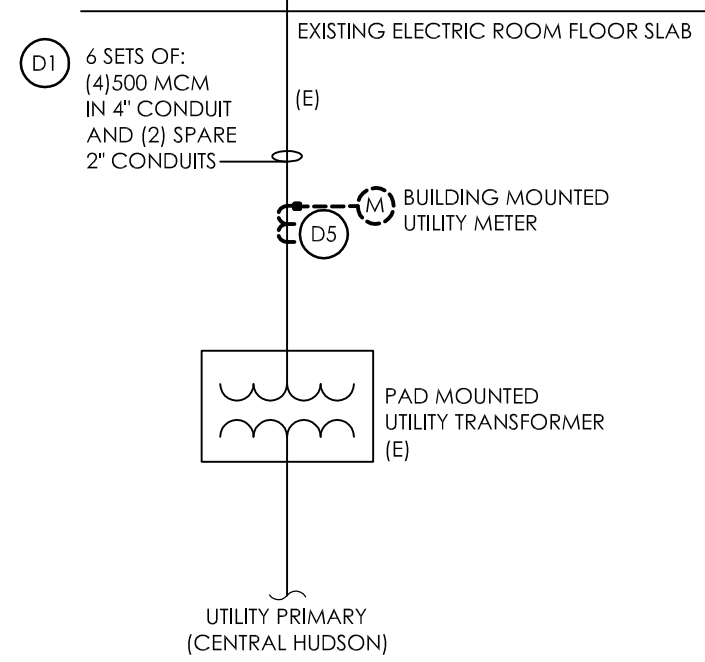
Checked By

ARM

ELECTRICAL SYMBOLS LEGEND,

NOTES & SYSTEM DIAGRAMS

HMS  
E000



(D1) EXISTING SECONDARY SERVICE TO BUILDING TO REMAIN IN PLACE.

(D2) DISCONNECT ALL SERVICE ENTRANCE CONDUCTORS AND FIRE PUMP FEEDER FROM SWITCH SECTION OF DISTRIBUTION EQUIPMENT. CONDUITS ARE BOTTOM FED INTO EXISTING SWITCHBOARD. PULL BACK CABLES AND PROTECT FOR RECONNECTION TO NEW EQUIPMENT.

(D3) DISCONNECT ALL BRANCH FEEDERS FROM DISTRIBUTION SECTION. CONDUCTORS SHALL REMAIN FOR RE-TERMINATION TO CORRESPONDING CIRCUIT BREAKER IN NEW SWITCHBOARD. CONDUCTORS SHALL BE LABELED AND PROTECTED DURING DEMOLITION OF EXISTING SWITCHBOARD, TYPICAL FOR ALL SHOWN.

(D4) BASE BID: NO WORK. EXISTING RTU AND FEEDER TO REMAIN. ALTERNATE EC-1: DISCONNECT EXISTING RTU FEEDER. FEEDER TO REMAIN FOR RE-CONNECTION TO NEW UNIT AT SAME LOCATION.

(D5) COORDINATE REMOVAL OF EXISTING CT'S FROM INTERIOR SWITCHBOARD AND METER FROM BUILDING WITH CENTRAL HUDSON. NEW METERING TO BE PROVIDED AT PAD MOUNT TRANSFORMER LOCATION.

A. IT IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO COORDINATE ALL WORK ASSOCIATED WITH THE SERVICE ENTRANCE WITH CENTRAL HUDSON GAS & ELECTRIC CORPORATION. ALL UTILITY COMPANY FEES RELATED TO THIS WORK WILL BE PAID BY THE ELECTRICAL CONTRACTOR. CONTACT UTILITY REPRESENTATIVE, NATHAN JACKSON @845-563-4538 (njackson@cenhd.com).

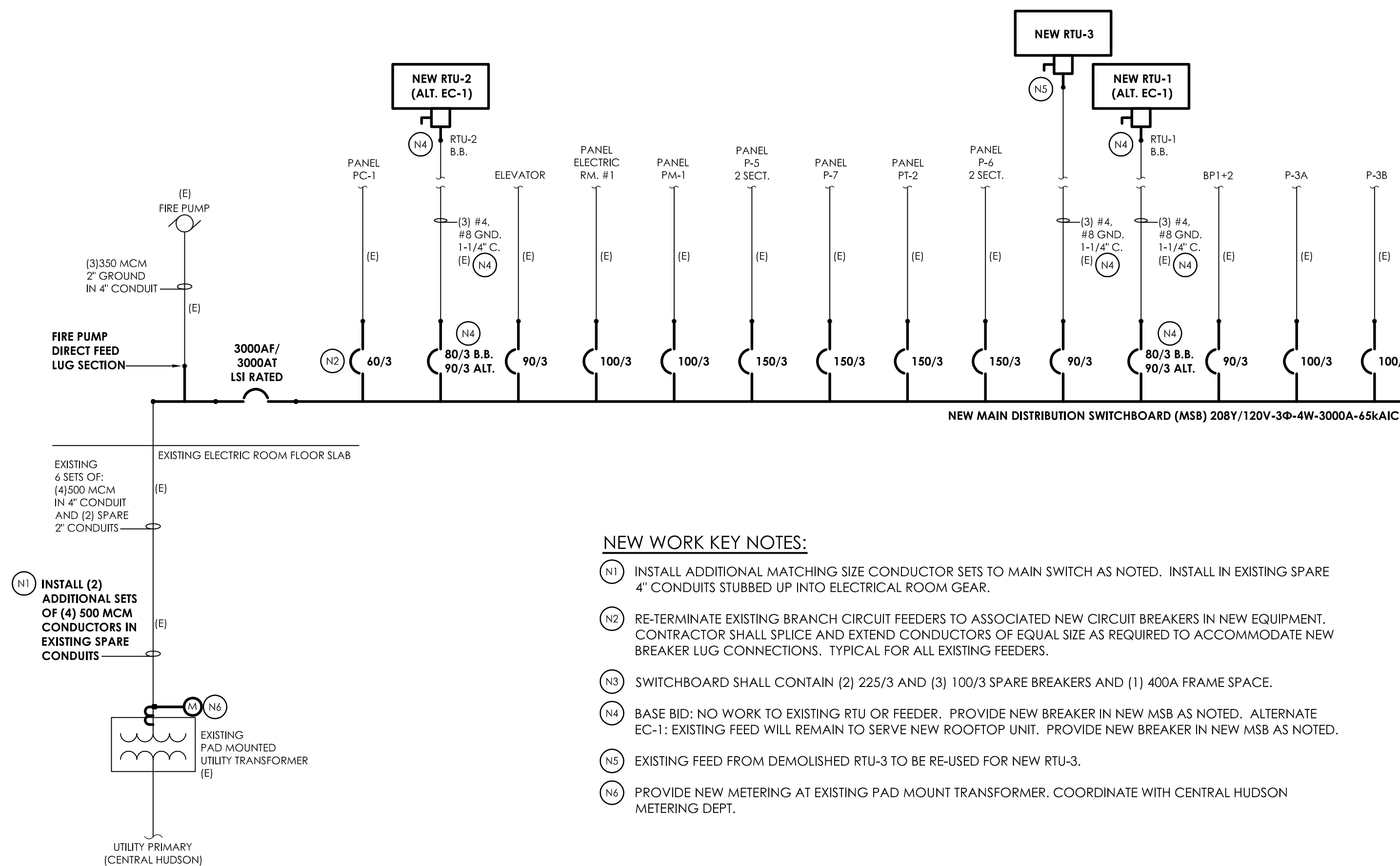
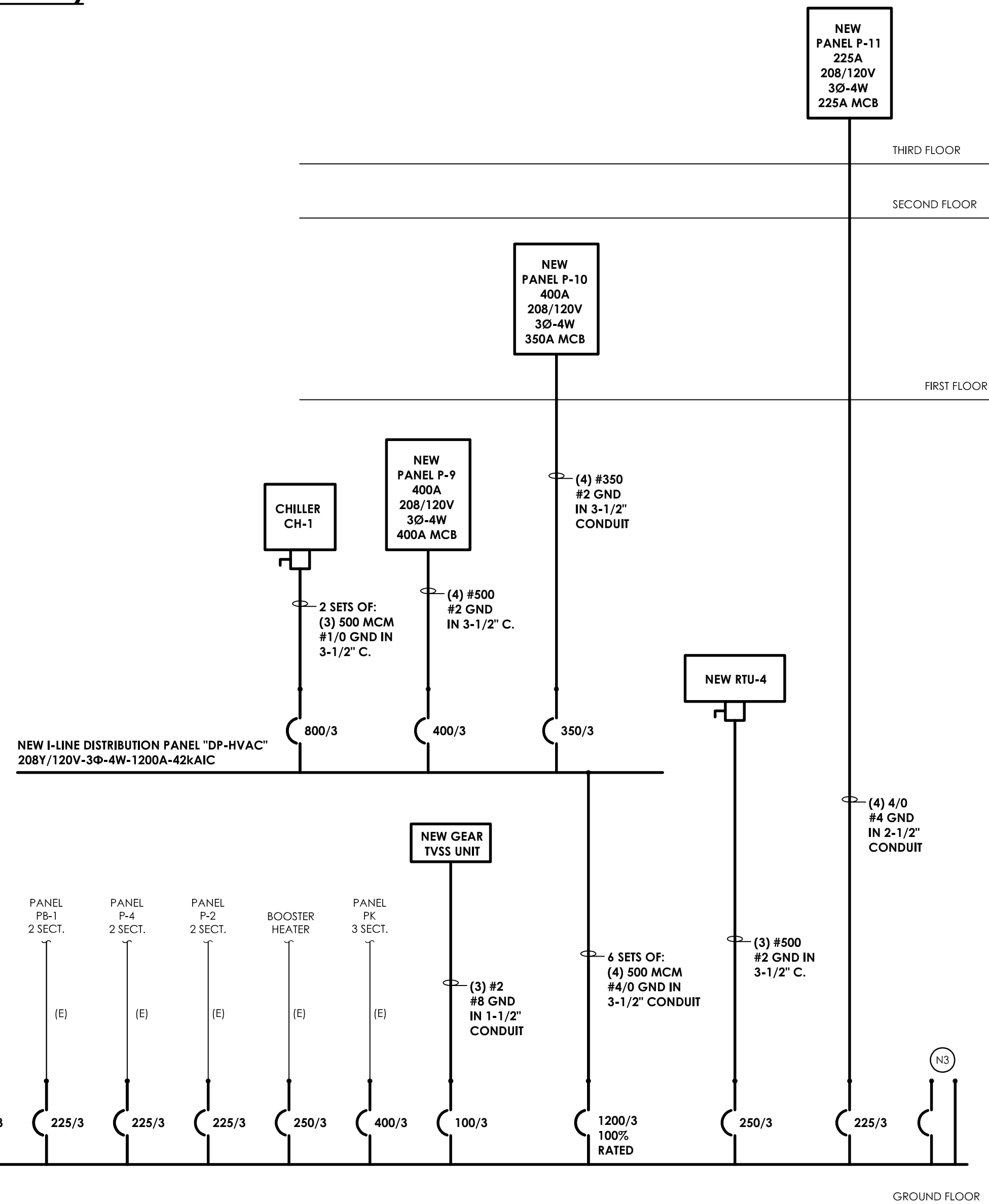
B. EXISTING EQUIPMENT/FEEDERS SHOWN WITH (E) DESIGNATION ARE EXISTING TO REMAIN. ALL ASSOCIATED ELECTRICAL DOWNSTREAM EQUIPMENT AND/OR CONDUCTORS AND CONDUIT TO REMAIN UNLESS OTHERWISE NOTED.

C. PROVIDE ENERGY REDUCTION MAINTENANCE FEATURE ON ALL CIRCUIT BREAKERS 1200A AND LARGER.

D. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL ASSOCIATED SHUTDOWN AND EQUIPMENT OUTAGES WITH THE OWNER PRIOR TO CONSTRUCTION AND WILL BE RESPONSIBLE TO PROVIDE AND INSTALL TEMPORARY GENERATOR POWER TO SPECIFIC PANELBOARDS OR EQUIPMENT AS REQUESTED BY OWNER DURING THE ENTIRE SHUT DOWN PERIOD. THE CONTRACTOR SHALL PROVIDE THE OWNER WITH A MINIMUM OF (2) WEEKS NOTICE PRIOR TO SHUT DOWN OF EQUIPMENT.

E. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR FAMILIARIZING THEMSELVES WITH THE PHASING OF CONSTRUCTION PRIOR TO START OF WORK. COORDINATE ANY DOOR/WALL REMOVALS AND REPLACEMENT REQUIRED WITH THE GENERAL CONTRACTOR TO FACILITATE THE DEMOLITION, REMOVAL AND INSTALLATION OF NEW SWITCHBOARD.

F. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR DISASSEMBLY AND ASSEMBLY OF NEW SWITCHBOARD SECTIONS AS REQUIRED TO ACCOMMODATE MOVING OF NEW EQUIPMENT INTO EXISTING SPACE. CONTRACTOR SHALL FIELD VERIFY EQUIPMENT DISASSEMBLY AND ASSEMBLY OF SECTIONS WITH FACTORY FIELD SERVICES REPRESENTATIVE.



- N1 INSTALL ADDITIONAL MATCHING SIZE CONDUCTOR SETS TO MAIN SWITCH AS NOTED. INSTALL IN EXISTING SPARE 4" CONDUITS STUBBED UP INTO ELECTRICAL ROOM GEAR.
- N2 RE-TERMINATE EXISTING BRANCH CIRCUIT FEEDERS TO ASSOCIATED NEW CIRCUIT BREAKERS IN NEW EQUIPMENT. CONTRACTOR SHALL SPlice AND EXTEND CONDUCTORS OF EQUAL SIZE AS REQUIRED TO ACCOMMODATE NEW BREAKER LUG CONNECTIONS. TYPICAL FOR ALL EXISTING FEEDERS.
- N3 SWITCHBOARD SHALL CONTAIN (2) 225/3 AND (3) 100/3 SPARE BREAKERS AND (1) 400A FRAME SPACE.
- N4 BASE BID: NO WORK TO EXISTING RTU OR FEEDER. PROVIDE NEW BREAKER IN NEW MSB AS NOTED. ALTERNATE EC-1: EXISTING FEED WILL REMAIN TO SERVE NEW ROOFTOP UNIT. PROVIDE NEW BREAKER IN NEW MSB AS NOTED
- N5 EXISTING FEED FROM DEMOLISHED RTU-3 TO BE RE-USED FOR NEW RTU-3.
- N6 PROVIDE NEW METERING AT EXISTING PAD MOUNT TRANSFORMER. COORDINATE WITH CENTRAL HUDSON METERING DEPT.

DEMOLITION -----

EXISTING \_\_\_\_\_

NEW WORK =========



REVISION SCHEDULE		
No.	Date	Description

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

Issued  
09/06/2021  
CONSTRUCTION DOCUMENTS  
Drawn By  
RJD  
Checked By  
ARM  
Drawing Title  
ELECTRICAL ONE-LINE  
DIAGRAMS

Drawing Number

HMS  
E001







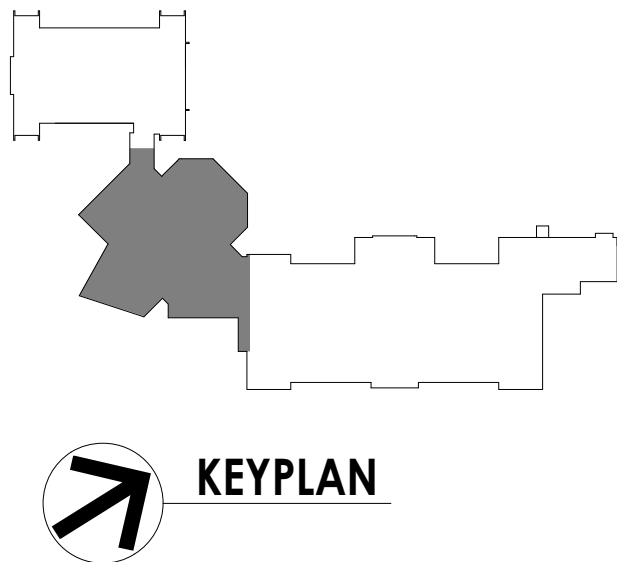


GENERAL NOTES:

- A. E - EXISTING TO REMAIN, ANY DEVICE, AS WELL AS ITS ASSOCIATED CIRCUITING AND CONDUIT, LABELED "E" SHALL REMAIN, UNLESS OTHERWISE NOTED.
- B. ALL OTHER DEVICES, FIXTURES, ELECTRICAL CONNECTIONS, ETC. SHOWN AS DASHED ARE TO BE REMOVED. UNLESS SPECIFICALLY CALLED OUT TO BE REMOVED AND SALVAGED, CONTRACTOR WILL BE RESPONSIBLE FOR DISPOSAL (OR TURN OVER TO OWNER AS INDICATED BELOW).
- C. WHERE DEVICES, FIXTURES, ETC. ARE INDICATED TO BE REMOVED, THEY AND THEIR RELATED WIRING/CONDUIT SHALL BE REMOVED BACK TO THE SOURCE PANELBOARD UNLESS OTHERWISE NOTED. ON CIRCUITS WHERE OTHER DEVICES, FIXTURES, ETC. ARE FOUND THAT MUST REMAIN, MAINTAIN CIRCUIT CONTINUITY BY PROVIDING ADDITIONAL WIRING, TO FEED THROUGH TO THESE REMAINING ITEMS. RELOCATE ANY CIRCUITS THAT REMAIN, TO AVOID CONFLICT WITH NEW CONSTRUCTION AS REQUIRED. PROPERLY TERMINATE ALL WIRING.
- D. THE CONTRACTOR SHALL REMOVE THE EXISTING ELECTRIC IN AREAS OF NEW RENOVATIONS TO ACCOMMODATE NEW CONSTRUCTION, REROUTING OF EXISTING MAY BE REQUIRED AT NEW OPENINGS IN EXISTING CONSTRUCTION OR INTERFERENCE WITH OTHER NEW WORK AS NOTED IN THE FOLLOWING NOTES.
- E. DRAWINGS INDICATE SPECIFIC ITEMS TO BE REMOVED AND/OR RELOCATED IN ORDER TO INDICATE GENERAL SCOPE. ADDITIONAL ITEMS NOT INDICATED, BUT NECESSARY FOR PROJECT RENOVATIONS, SHALL BE REMOVED, RELOCATED AND/OR REROUTED.
- F. COORDINATE DEMOLITION OF EQUIPMENT, DEVICES, ETC., WITH OTHER DISCIPLINES AS APPLICABLE. REFER TO ARCHITECTURAL AND MECHANICAL DEMOLITION DRAWINGS AND NOTES FOR COORDINATION.
- G. DRAWINGS ARE GRAPHICAL REPRESENTATIONS OF APPROXIMATE EQUIPMENT AND DEVICE LOCATIONS. CONTRACTOR SHALL VISIT THE SITE TO DETERMINE THE EXACT EXTENT OF ELECTRICAL WORK REQUIRED TO COMPLETE THE PROJECT. EXISTING CONDITIONS ARE TAKEN FROM FIELD OBSERVATION AND EXISTING BUILDING DOCUMENTS. OTHER ELECTRICAL ITEMS MAY EXIST FOR WHICH THE CONTRACTOR IS RESPONSIBLE.
- H. CONTRACTOR SHALL PROPERLY DISPOSE OF ALL ITEMS, EQUIPMENT, PANELS, LIGHT FIXTURES, ETC. BEING REMOVED AS PART OF THIS PROJECT. THE OWNER SHALL HAVE THE RIGHT OF RETAINING ANY ITEMS BEING REMOVED.
- I. CONTRACTOR SHALL REMOVE AND RE-INSTALL EXISTING CEILING TILES AS REQUIRED TO ACCOMMODATE SCOPE OF WORK. TILES SHALL BE VACUUMED PRIOR TO REMOVAL TO MINIMIZE DUST AND DEBRIS. REPLACE DAMAGED TILES AS REQUIRED.
- J. CONTRACTOR SHALL PROVIDE NEW COVERPLATES ON ALL BOXES OF UNUSED AND/OR REMOVED FLUSH MOUNT DEVICES UPON COMPLETION OF PROJECT.
- K. FIREPROOFING AND/OR FIRE STOP MATERIALS REMOVED FROM FIRE RATED WALLS AND CEILINGS AS A RESULT OF DEMOLITION SHALL BE RE-INSTALLED USING AN APPROVED METHOD AS DESCRIBED IN ASSOCIATED PROJECT SPECIFICATIONS.

KEY NOTES:

- 1 REMOVE AND SALVAGE EXISTING SECURITY CAMERA. CABLING TO REMAIN AND BE PROTECTED FOR RECONNECTION.
- 2 DISCONNECT BRANCH CIRCUIT WIRING FROM MOTORIZED PROJECTION SCREEN. CIRCUIT TO REMAIN IN SPACE FOR CONNECTION TO NEW SCREEN.
- 3 IN DESIGNATED AREA OF CEILING DEMOLITION, REMOVE AND SALVAGE EXISTING LIGHT FIXTURES AND ELECTRICAL CEILING DEVICES. BRANCH CIRCUIT WIRING AND SYSTEM CABLING TO REMAIN FOR RECONNECTION.
- 4 REMOVE AND DISPOSE OF EXISTING WALL MOUNTED EXIT SIGN. BACK BOX AND BRANCH CIRCUIT TO REMAIN FOR CONNECTION TO NEW UNIT.
- 5 REMOVE DEVICES SHOWN. SYSTEM CABLING AND BRANCH CIRCUIT WIRING TO REMAIN FOR RE-WORK IN NEW FURRED-OUT WALL AT SAME LOCATION.
- 6 EXISTING LIGHT FIXTURES, CONTROLS, SYSTEM AND POWER DEVICES SHOWN IN THIS AREA THAT ARE NOT SHOWN AS BEING DEMOLISHED (DASHED, HATCHED, OR OTHERWISE NOTED) ARE SHOWN FOR REFERENCE PURPOSES ONLY. CEILING TILE MAY NEED TO BE REMOVED IN THIS AREA FOR MECHANICAL WORK. EXISTING CEILING T-BAR GRID WILL REMAIN IN PLACE. LIGHT FIXTURES TO REMAIN IN GRID. SHOULD AN ELECTRICAL DEVICE NEED TO BE TEMPORARILY SUSPENDED OR REMOVED AND REINSTALLED DURING DEMOLITION OR NEW WORK PHASES, IT SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR.
- 7 EXISTING BRANCH CIRCUIT AND OCP AT PANEL TO REMAIN FOR CONNECTION TO NEW HVAC UNIT IN ROOM.
- 8 EXISTING DISCONNECT/STARTER, ANSUL STATION DEVICE, CONTACTOR/ENCLOSURE, SYSTEMS PANEL, NETWORK CONNECTION AND ASSOCIATED BRANCH CIRCUITS TO BE REMOVED AND SALVAGED FOR REINSTALLATION. COORDINATE WORK WITH WALL REMOVAL BY GENERAL CONTRACTOR. PROTECT ALL BRANCH CIRCUITS AND SYSTEM CABLING FROM DAMAGE DURING DEMOLITION BY OTHERS.
- 9 REMOVE PLUG MOLD AND ASSOCIATED RACEWAY BACK TO RECEPTACLE.
- 10 REMOVE EXISTING EXHAUST FAN SWITCHES AND ASSOCIATED RACEWAY.
- 11 REMOVE AND SALVAGE EXISTING LIGHT FIXTURES AND HEAT DETECTOR. BRANCH CIRCUIT WIRING AND SYSTEM CABLING TO REMAIN FOR RECONNECTION.
- 12 REMOVE AND SALVAGE EXISTING WIRELESS ACCESS EQUIPMENT. CABLING TO REMAIN AND BE PROTECTED FOR RECONNECTION.
- 13 DEMOLISH DEVICE/EQUIPMENT AS SHOWN. BRANCH CIRCUIT WIRING TO REMAIN IN AREA FOR CONNECTION TO NEW ELECTRICAL DEVICES.
- 14 REMOVE EXISTING LIGHT FIXTURES AS SHOWN AS DEMOLISHED/DASHED. BRANCH CIRCUITS TO REMAIN IN AREA FOR CONNECTION TO NEW LIGHTING.
- 15 REMOVE AND SALVAGE EXISTING PA SPEAKER. SYSTEM CABLING TO REMAIN IN AREA FOR RECONNECTION.
- 16 BASE BID: REMOVE AND DISPOSE OF OLD RECEPTACLE AND FACEPLATE. WIRING TO REMAIN FOR CONNECTION TO NEW DEVICE IN SAME BOX.  
ALTERNATE EC-6: STAGE DEMOLITION - REMOVE DEVICE. REMOVE BRANCH CIRCUIT WIRING BACK TO A POINT FOR RE-USE FOR NEW RECEPTACLES AT LOCATION OF EXISTING RAMP.
- 17 REMOVE AND DISPOSE OF OLD RECEPTACLE AND FACEPLATE. WIRING TO REMAIN FOR CONNECTION TO NEW DEVICE.



PROJECT INFORMATION

Project Number  
13940.18  
Client Name  
**NEWBURGH ENLARGED CITY  
SCHOOL DISTRICT**  
Project Name  
**PHASE 3: HERITAGE MIDDLE  
SCHOOL 2019 CAPITAL  
IMPROVEMENT PROJECT**

Project Address  
405 Union Avenue, New Windsor, NY 12553

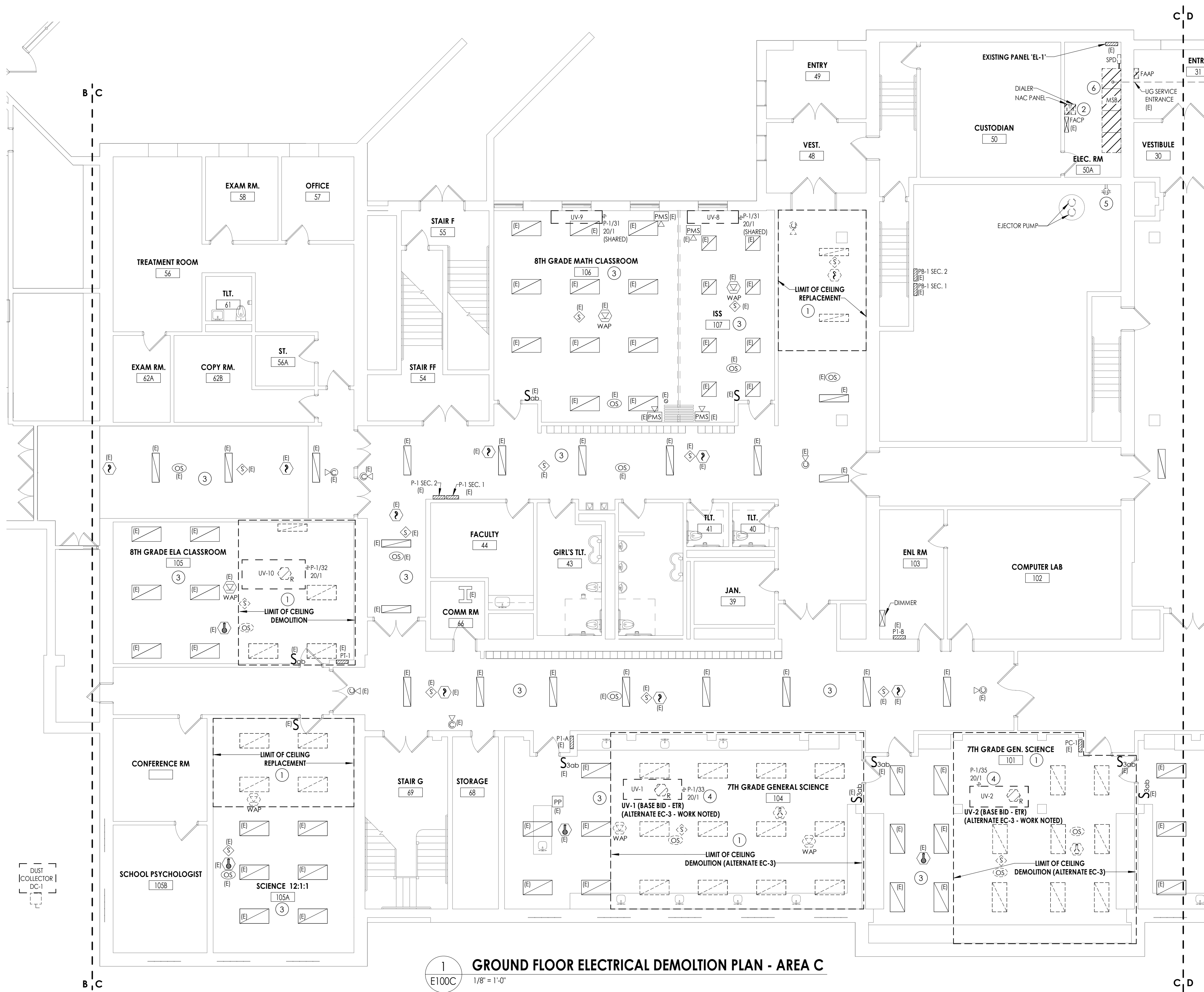
REVISION SCHEDULE

# Date Description

SHEET INFORMATION

Issued  
09/06/2021  
CONSTRUCTION DOCUMENTS  
Drawn By  
RJD  
Checked By  
ARM  
Drawing Title  
**GROUND FLOOR ELECTRICAL  
DEMOLITION PLAN - AREA B**





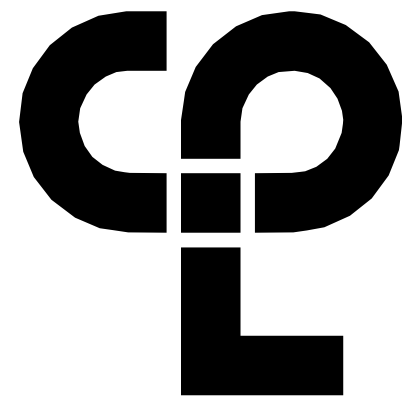
1  
E100C  
1/8" = 1'-0"

GENERAL NOTES:

- E - EXISTING TO REMAIN, ANY DEVICE, AS WELL AS ITS ASSOCIATED CIRCUITING AND CONDUIT, LABELED "E" SHALL REMAIN, UNLESS OTHERWISE NOTED.
- ALL OTHER DEVICES, FIXTURES, ELECTRICAL CONNECTIONS, ETC. SHOWN AS DASHED ARE TO BE REMOVED. UNLESS SPECIFICALLY CALLED OUT TO BE REMOVED AND SALVAGED, CONTRACTOR WILL BE RESPONSIBLE FOR DISPOSAL (OR TURN OVER TO OWNER AS INDICATED BELOW).
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- THE CONTRACTOR SHALL REMOVE THE EXISTING ELECTRIC IN AREAS OF NEW RENOVATIONS TO ACCOMMODATE NEW CONSTRUCTION, REROUTING OF EXISTING MAY BE REQUIRED AT NEW OPENINGS IN EXISTING CONSTRUCTION OR INTERFERENCE WITH OTHER NEW WORK AS NOTED IN THE FOLLOWING NOTES.
- DRAWINGS INDICATE SPECIFIC ITEMS TO BE REMOVED AND/OR RELOCATED IN ORDER TO INDICATE GENERAL SCOPE. ADDITIONAL ITEMS NOT INDICATED, BUT NECESSARY FOR PROJECT RENOVATIONS, SHALL BE REMOVED, RELOCATED AND/OR REROUTED.
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- CONTRACTOR SHALL PROVIDE NEW COVERPLATES ON ALL BOXES OF UNUSED AND/OR REMOVED FLUSH MOUNT DEVICES UPON COMPLETION OF PROJECT.
- FIREPROOFING AND/OR FIRE STOP MATERIALS REMOVED FROM FIRE RATED WALLS AND CEILINGS AS A RESULT OF DEMOLITION SHALL BE RE-INSTALLED USING AN APPROVED METHOD AS DESCRIBED IN ASSOCIATED PROJECT SPECIFICATIONS.

KEY NOTES:

- IN DESIGNATED AREA OF CEILING DEMOLITION, REMOVE AND SALVAGE EXISTING LIGHT FIXTURES AND ELECTRICAL CEILING DEVICES. BRANCH CIRCUIT WIRING AND SYSTEM CABLING TO REMAIN FOR RECONNECTION.
- NAC PANEL AND DIALER ADJACENT TO FIRE ALARM CONTROL PANEL TO BE RELOCATED TO ACCOMMODATE NEW MASTER CONTROLLER UPGRADE. REFER TO DRAWING E200C FOR ADDITIONAL INFORMATION.
- EXISTING LIGHT FIXTURES, CONTROLS, SYSTEM AND POWER DEVICES SHOWN IN THIS AREA THAT ARE NOT SHOWN AS BEING DEMOLISHED (DASHED, HATCHED, OR OTHERWISE NOTED) ARE SHOWN FOR REFERENCE PURPOSES ONLY. CEILING TILE MAY NEED TO BE REMOVED IN THIS AREA FOR MECHANICAL WORK. EXISTING CEILING T-BAR GRID WILL REMAIN IN PLACE. LIGHT FIXTURES TO REMAIN IN GRID. SHOULD AN ELECTRICAL DEVICE NEED TO BE TEMPORARILY SUSPENDED OR REMOVED AND REINSTALLED DURING DEMOLITION OR NEW WORK PHASES, IT SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR.
- EXISTING UV BRANCH CIRCUIT TO REMAIN FOR CONNECTION TO NEW UNIT IN SAME ROOM.
- REMOVE EXISTING DUPLEX RECEPTACLES. EXISTING RACEWAY AND BRANCH CIRCUIT TO REMAIN FOR (1) NEW GFI DEVICE TO FEED NEW EP-2.
- REFER TO ELECTRICAL ONE-LINE DIAGRAMS ON DRAWING E001 FOR DEMOLITION WORK ASSOCIATED WITH SERVICE ENTRANCE AND GEAR.



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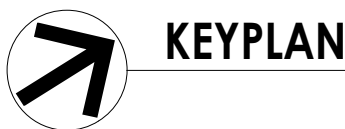
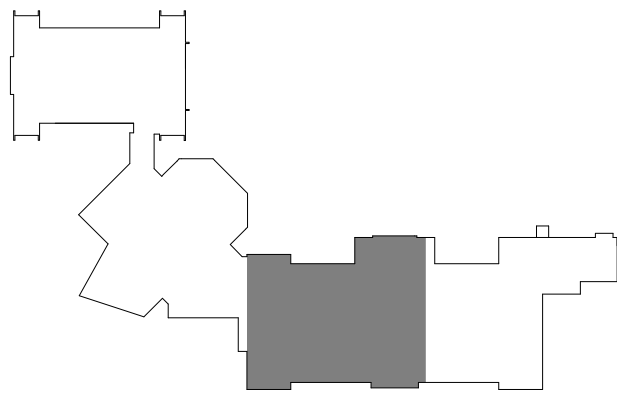
PROJECT INFORMATION

Project Number  
13940.18  
Client Name  
NEWBURGH ENLARGED CITY  
SCHOOL DISTRICT  
Project Name  
PHASE 3: HERITAGE MIDDLE  
SCHOOL 2019 CAPITAL  
IMPROVEMENT PROJECT

Project Address  
405 Union Avenue, New Windsor, NY 12553

REVISION SCHEDULE

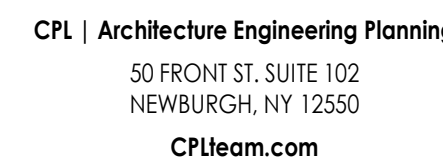
# Date Description



SHEET INFORMATION

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09/06/2021  
CONSTRUCTION DOCUMENTS  
Drawn By  
RJD  
Checked By  
ARM  
Drawing Title  
GROUND FLOOR ELECTRICAL  
DEMOLITION PLAN - AREA C

HMS  
E100C



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- B. ALL OTHER DEVICES, FIXTURES, ELECTRICAL CONNECTIONS, ETC. SHOWN AS DASHED ARE TO BE REMOVED. UNLESS SPECIFICALLY CALLED OUT TO BE REMOVED AND SALVAGED, CONTRACTOR WILL BE RESPONSIBLE FOR DISPOSAL (OR TURN OVER TO OWNER AS INDICATED BELOW).
- C. WHERE DEVICES, FIXTURES, ETC. ARE INDICATED TO BE REMOVED, THEY AND THEIR RELATED WIRING/CONDUIT SHALL BE REMOVED BACK TO THE SOURCE PANELOBAND UNLESS OTHERWISE NOTED. ON CIRCUITS WHERE OTHER DEVICES, FIXTURES, ETC. ARE FOUND THAT MUST REMAIN, MAINTAIN CIRCUIT CONTINUITY BY PROVIDING ADDITIONAL WIRING, TO FEED THROUGH TO THESE REMAINING ITEMS. RELOCATE ANY CIRCUITS THAT REMAIN, TO AVOID CONFLICT WITH NEW CONSTRUCTION AS REQUIRED. PROPERLY TERMINATE ALL WIRING.
- D. THE CONTRACTOR SHALL REMOVE THE EXISTING ELECTRIC IN AREAS OF NEW RENOVATIONS TO ACCOMMODATE NEW CONSTRUCTION. REROUTING OF EXISTINGS MAY BE REQUIRED AT NEW OPENINGS IN EXISTING CONSTRUCTION OR INTERFERENCE WITH OTHER NEW WORK AS NOTED IN THE FOLLOWING NOTES.
- E. DRAWINGS INDICATE SPECIFIC ITEMS TO BE REMOVED AND/OR RELOCATED IN ORDER TO INDICATE GENERAL SCOPE. ADDITIONAL ITEMS NOT INDICATED, BUT NECESSARY FOR PROJECT RENOVATIONS, SHALL BE REMOVED, RELOCATED AND/OR REROUTED.
- F. COORDINATE DEMOLITION OF EQUIPMENT, DEVICES, ETC. WITH OTHER DISCIPLINES AS APPLICABLE. REFER TO ARCHITECTURAL AND MECHANICAL DEMOLITION DRAWINGS AND NOTES FOR COORDINATION.
- G. DRAWINGS ARE GRAPHICAL REPRESENTATIONS OF APPROXIMATE EQUIPMENT AND DEVICE LOCATIONS. CONTRACTOR SHALL VISIT THE SITE TO DETERMINE THE EXACT EXTENT OF ELECTRICAL WORK REQUIRED TO COMPLETE THE PROJECT. EXISTING CONDITIONS ARE TAKEN FROM FIELD OBSERVATION AND EXISTING BUILDING DOCUMENTS. OTHER ELECTRICAL ITEMS MAY EXIST FOR WHICH THE CONTRACTOR IS RESPONSIBLE.
- H. CONTRACTOR SHALL PROPERLY DISPOSE OF ALL ITEMS, EQUIPMENT, PANELS, LIGHT FIXTURES, ETC. BEING REMOVED AS PART OF THIS PROJECT. THE OWNER SHALL HAVE THE RIGHT OF RETAINING ANY ITEMS BEING REMOVED.
- I. CONTRACTOR SHALL REMOVE AND RE-INSTALL EXISTING CEILING TILES AS REQUIRED TO ACCOMMODATE SCOPE OF WORK. TILES SHALL BE VACUUMED PRIOR TO REMOVAL TO MINIMIZE DUST AND DEBRIS. REPLACE DAMAGED TILES AS REQUIRED.
- J. CONTRACTOR SHALL PROVIDE NEW COVERPLATES ON ALL BOXES OF UNUSED AND/OR REMOVED FLUSH MOUNT DEVICES UPON COMPLETION OF PROJECT.
- K. FIREPROOFING AND/OR FIRE STOP MATERIALS REMOVED FROM FIRED RATED WALLS AND CEILINGS AS A RESULT OF DEMOLITION SHALL BE RE-INSTALLED USING AN APPROVED METHOD AS DESCRIBED IN ASSOCIATED PROJECT SPECIFICATIONS.

- ① IN DESIGNATED AREA OF CEILING DEMOLITION, REMOVE AND SALVAGE EXISTING LIGHT FIXTURES AND ELECTRICAL CEILING DEVICES, BRANCH CIRCUIT WIRING AND SYSTEM CABLEING TO REMAIN FOR RECONNECTION.
- ② EXISTING LIGHT FIXTURES, CONTROLS, SYSTEM AND POWER DEVICES SHOWN IN THIS AREA THAT ARE NOT SHOWN AS BEING DEMOLISHED (DASHED, HATCHED, OR OTHERWISE NOTED) ARE SHOWN FOR REFERENCE PURPOSES ONLY. CEILING TILES MAY NEED TO BE REMOVED IN THIS AREA FOR MECHANICAL WORK. EXISTING CEILING T-BAR GRID WILL REMAIN IN PLACE. LIGHT FIXTURES TO REMAIN IN GRID, SHOULD AN ELECTRICAL DEVICE NEED TO BE TEMPORARILY SUSPENDED OR REMOVED AND REINSTALLED DURING DEMOLITION OR NEW WORK PHASES, IT SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR.
- ③ ALTERNATE: EXISTING BRANCH CIRCUIT AND OCP AT PANELBOARD TO REMAIN FOR CONNECTION TO NEW HVAC UNIT IN ROOM.
- ④ REMOVE AND SALVAGE EXISTING ELECTRICAL DEVICE, BRANCH CIRCUIT WIRING AND SYSTEM CABLEING TO REMAIN FOR RECONNECTION.
- ⑤ EXISTING AIR INFILTRATION UNIT TO BE REMOVED BY OTHERS. BRANCH CIRCUIT TO REMAIN FOR CONNECTION AT NEW LOCATION.
- ⑥ REMOVE LIGHT FIXTURES IN ROOM. SALVAGE COMPONENTS FOR LENS, BALLAST, OR LAMP REPLACEMENT IN OTHER ROOMS AS NEEDED DURING CONSTRUCTION. DISPOSE OF ALL UNUSED PARTS AT COMPLETION OF PROJECT. EXISTING LIGHTING BRANCH CIRCUITING IN ROOM TO REMAIN FOR CONNECTION TO NEW FIXTURES.
- ⑦ REMOVE AND SALVAGE LIGHT FIXTURES IN ROOM FOR RE-INSTALLATION AS SHOWN ON NEW LIGHTING PLAN. BRANCH CIRCUIT WIRING TO REMAIN FOR RECONNECTION.

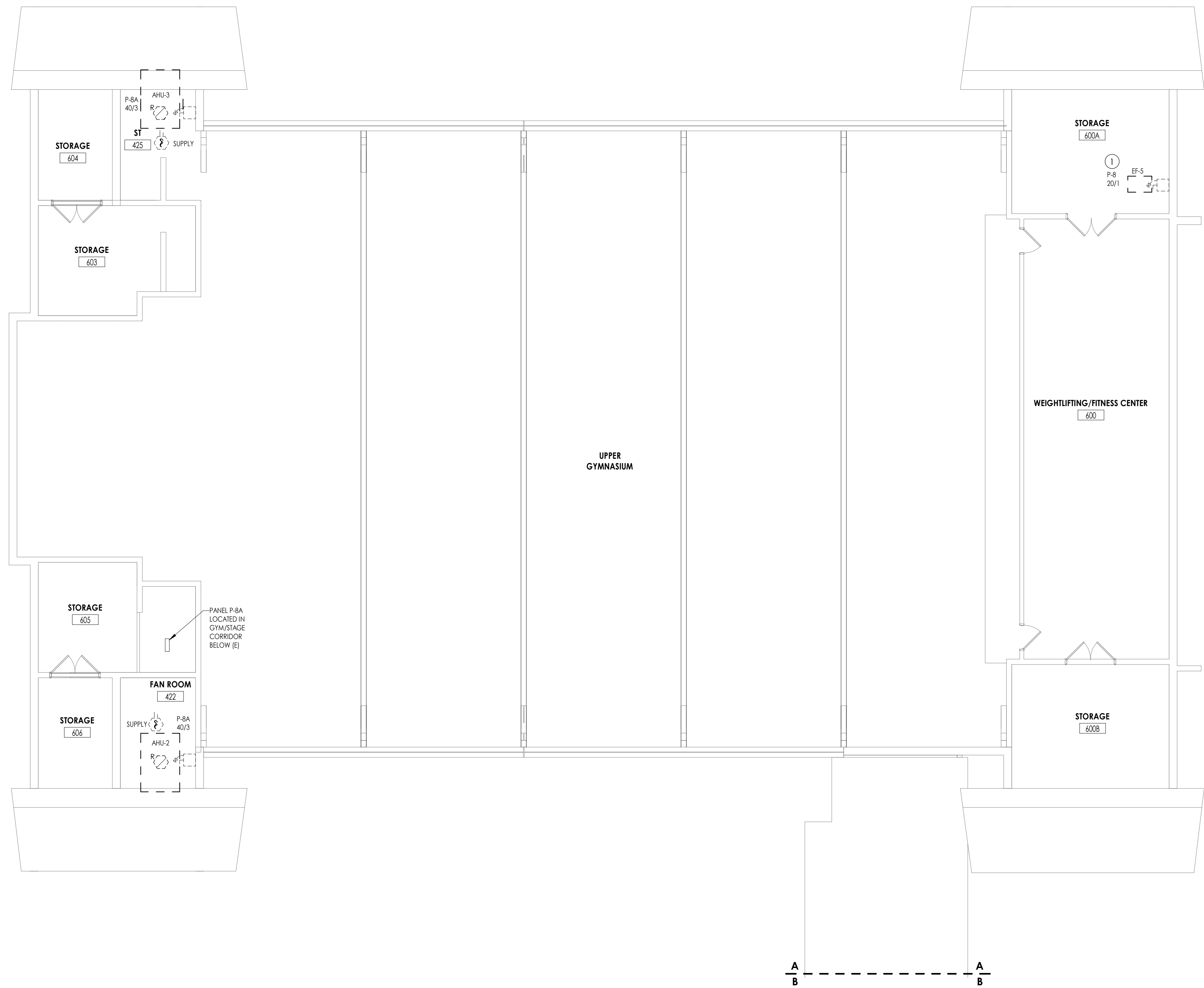


Issued  
09/04/2021  
CONSTRUCTION DOCUMENTS  
Drawn By  
RJD  
Checked By  
ARM  
Drawing Title  
GROUND FLOOR ELECTRICAL  
DEMOLITION PLAN - AREA D

HMS  
E100D



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E101A

FIRST FLOOR ELECTRICAL DEMOLITION PLAN - AREA A

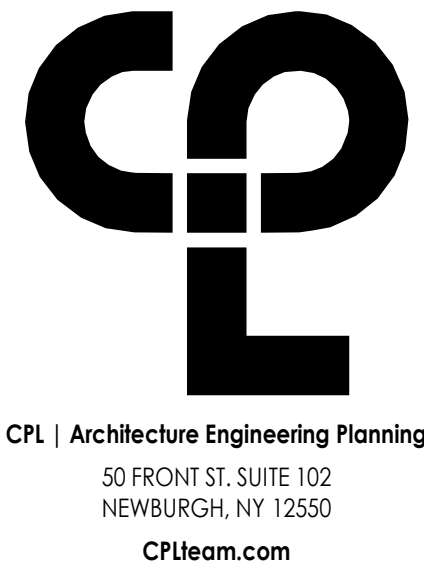
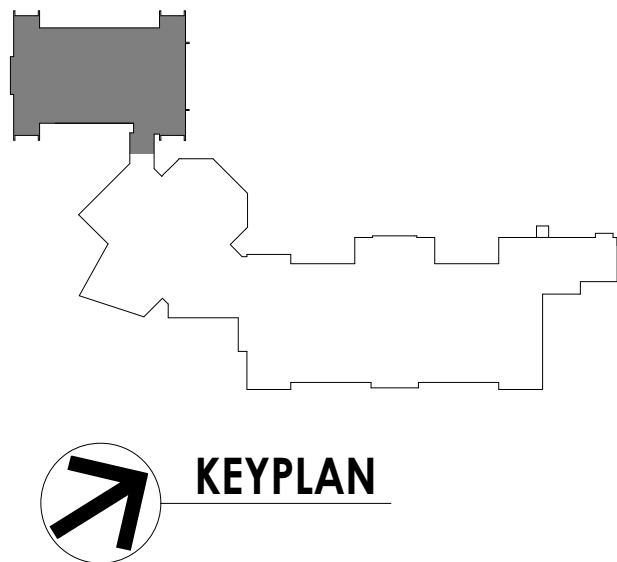
1/8" = 1'-0"

GENERAL NOTES:

- E - EXISTING TO REMAIN. ANY DEVICE, AS WELL AS ITS ASSOCIATED CIRCUITING AND CONDUIT, LABELED "E" SHALL REMAIN, UNLESS OTHERWISE NOTED.
- ALL OTHER DEVICES, FIXTURES, ELECTRICAL CONNECTIONS, ETC. SHOWN AS DASHED ARE TO BE REMOVED. UNLESS SPECIFICALLY CALLED OUT TO BE REMOVED AND SALVAGED, CONTRACTOR WILL BE RESPONSIBLE FOR DISPOSAL (OR TURN OVER TO OWNER AS INDICATED BELOW).
- WHERE DEVICES, FIXTURES, ETC. ARE INDICATED TO BE REMOVED, THEY AND THEIR RELATED WIRING/CONDUIT SHALL BE REMOVED BACK TO THE SOURCE PANELBOARD UNLESS OTHERWISE NOTED. ON CIRCUITS WHERE OTHER DEVICES, FIXTURES, ETC. ARE FOUND THAT MUST REMAIN, MAINTAIN CIRCUIT CONTINUITY BY PROVIDING ADDITIONAL WIRING. TO FEED THROUGH TO THESE REMAINING ITEMS. RELOCATE ANY CIRCUITS THAT REMAIN. TO AVOID CONFLICT WITH NEW CONSTRUCTION AS REQUIRED. PROPERLY TERMINATE ALL WIRING.
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KEY NOTES:

- EXISTING BRANCH CIRCUIT AND PANELBOARD OCP TO REMAIN FOR CONNECTION TO NEW FAN



PROJECT INFORMATION

Project Number  
13940.18  
Client Name  
**NEWBURGH ENLARGED CITY SCHOOL DISTRICT**  
Project Name  
**PHASE 3: HERITAGE MIDDLE SCHOOL 2019 CAPITAL IMPROVEMENT PROJECT**

Project Address  
405 Union Avenue, New Windsor, NY 12553

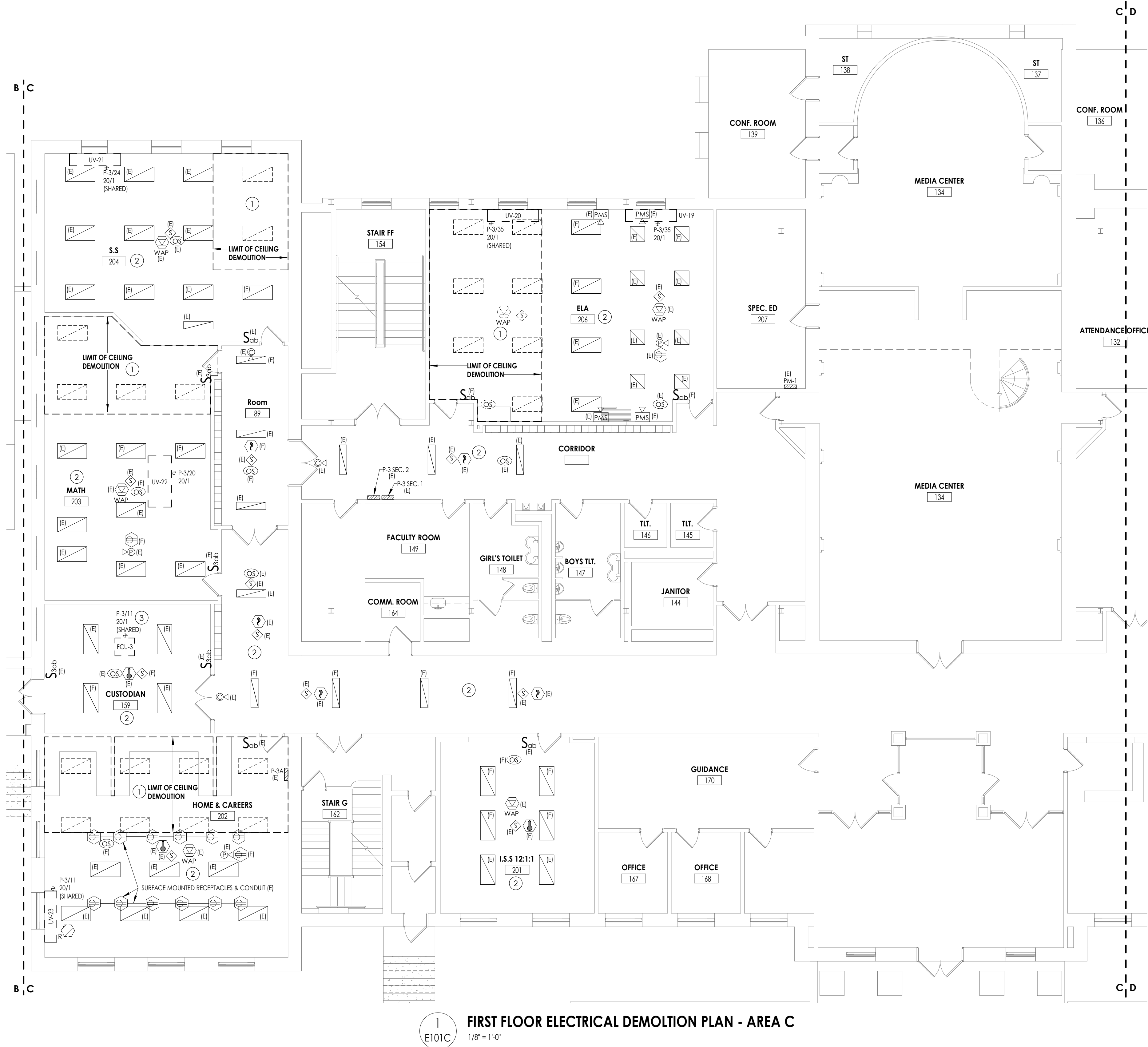
REVISION SCHEDULE

# Date Description

SHEET INFORMATION

Issued  
09/06/2021  
CONSTRUCTION DOCUMENTS  
Drawn By  
RJD  
Checked By  
ARM  
Drawing Title  
FIRST FLOOR ELECTRICAL DEMOLITION PLAN - AREA A

HMS  
E101A

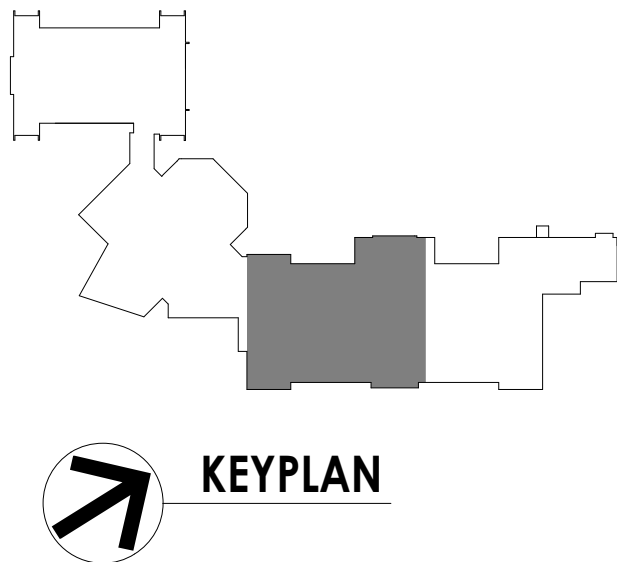


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KEY NOTES:

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- EXISTING BRANCH CIRCUIT FROM FCU-3 TO REMAIN FOR CONNECTION TO NEW UNIT.



PROJECT INFORMATION

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13940.18  
Client Name  
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Project Name  
**PHASE 3: HERITAGE MIDDLE SCHOOL 2019 CAPITAL IMPROVEMENT PROJECT**  
Project Address  
405 Union Avenue, New Windsor, NY 12553

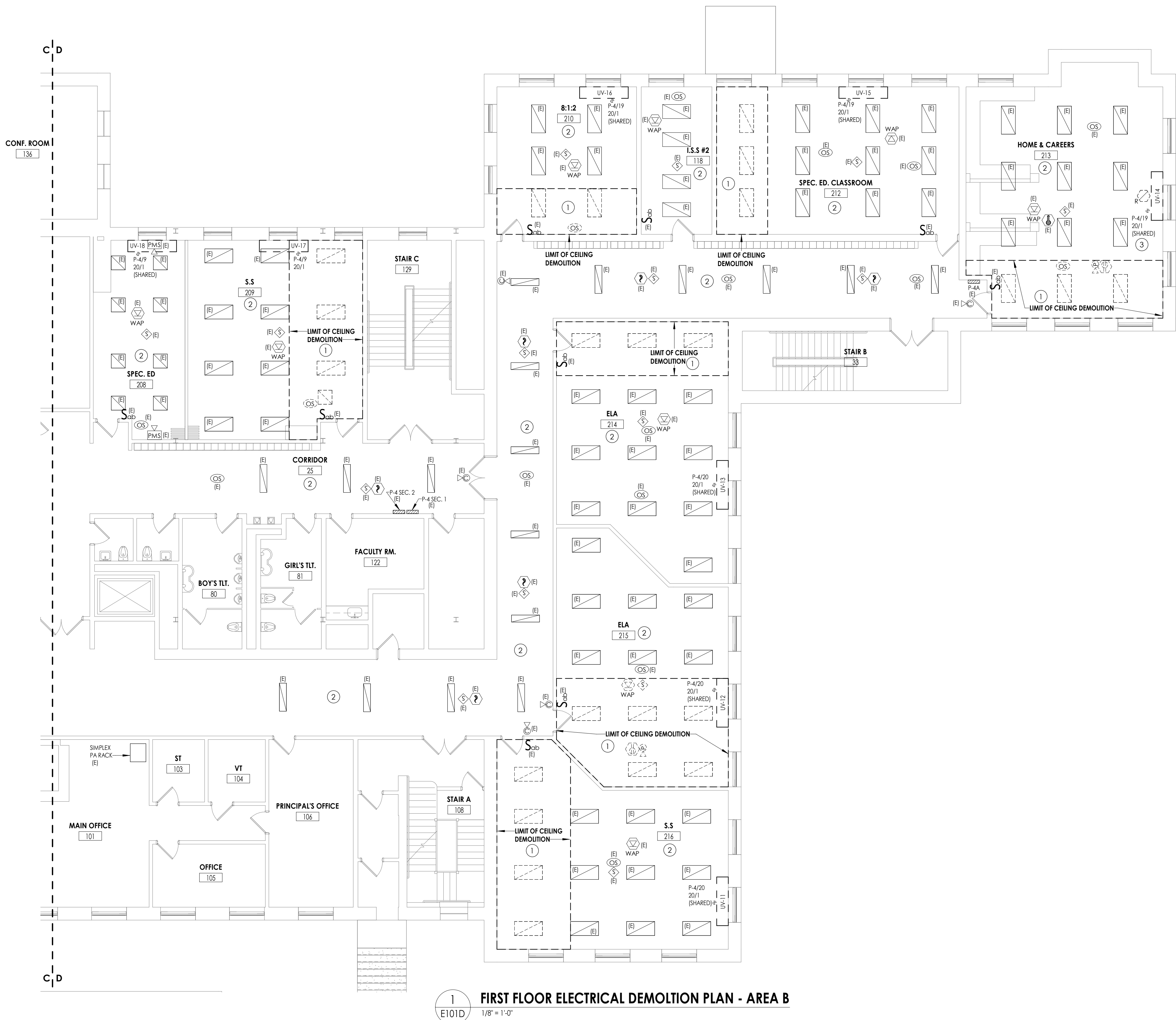
REVISION SCHEDULE

# Date Description

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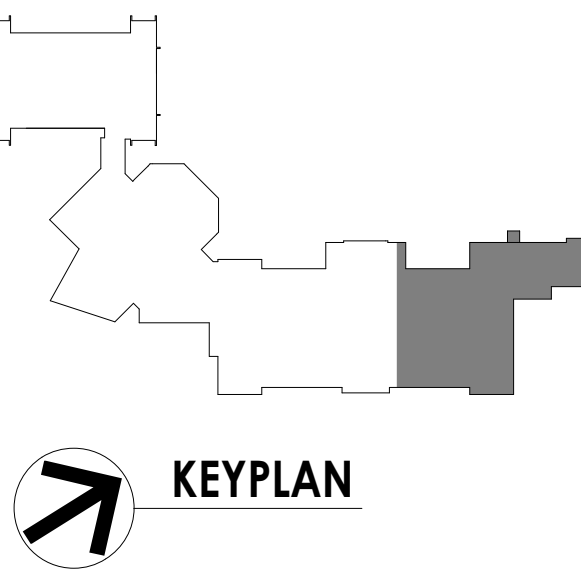
Issued  
09/06/2021  
CONSTRUCTION DOCUMENTS  
Drawn By  
RJD  
Checked By  
ARM  
Drawing Title  
FIRST FLOOR ELECTRICAL DEMOLITION PLAN - AREA C

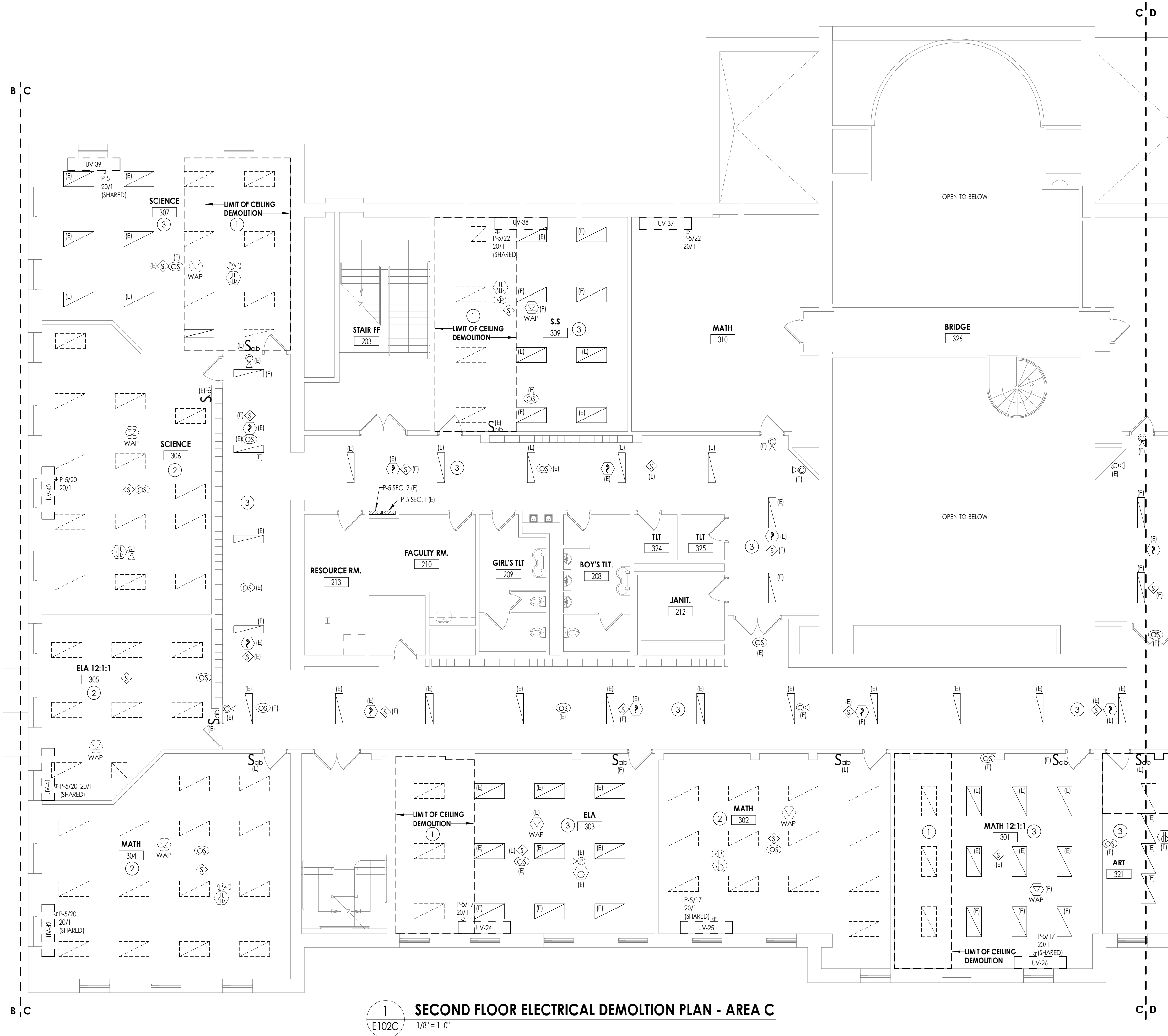




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- KEY NOTES:**
- IN DESIGNATED AREA OF CEILING DEMOLITION, REMOVE AND SALVAGE EXISTING LIGHT FIXTURES AND ELECTRICAL CEILING DEVICES. BRANCH CIRCUIT WIRING AND SYSTEM CABLING TO REMAIN FOR RECONNECTION.
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  - EXISTING BRANCH CIRCUIT FROM UV-14 TO REMAIN FOR CONNECTION TO NEW UV IN ROOM. DISCONNECT FROM UNIT AND PULL BACK FOR RE-USE.



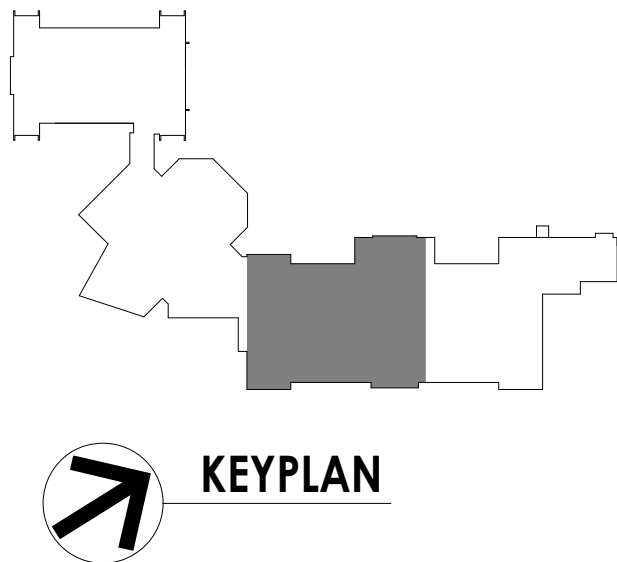


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- ENTIRE CEILING IN ROOM TO BE REMOVED AND REPLACED BY OTHERS. ELECTRICAL CONTRACTOR SHALL REMOVE AND SALVAGE ALL CEILING MOUNTED ELECTRICAL DEVICES AND LIGHT FIXTURES. BRANCH CIRCUIT WIRING FOR LIGHT FIXTURES AND POWERED CEILING DEVICES TO REMAIN FOR RECONNECTION. ALL SYSTEM CABLING TO REMAIN FOR RECONNECTION. WALL MOUNTED LIGHT SWITCHES AND ASSOCIATED SWITCH LEGS ARE EXISTING TO REMAIN.
- EXISTING LIGHT FIXTURES, CONTROLS, SYSTEM AND POWER DEVICES SHOWN IN THIS AREA THAT ARE NOT SHOWN AS BEING DEMOLISHED (DASHED, HATCHED, OR OTHERWISE NOTED) ARE SHOWN FOR REFERENCE PURPOSES ONLY. CEILING TILE MAY NEED TO BE REMOVED IN THIS AREA FOR MECHANICAL WORK. EXISTING CEILING T-BAR GRID WILL REMAIN IN PLACE. LIGHT FIXTURES TO REMAIN IN GRID. SHOULD AN ELECTRICAL DEVICE NEED TO BE TEMPORARILY SUSPENDED OR REMOVED AND REINSTALLED DURING DEMOLITION OR NEW WORK PHASES, IT SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR.



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13940.18  
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Project Address  
405 Union Avenue, New Windsor, NY 12553

REVISION SCHEDULE

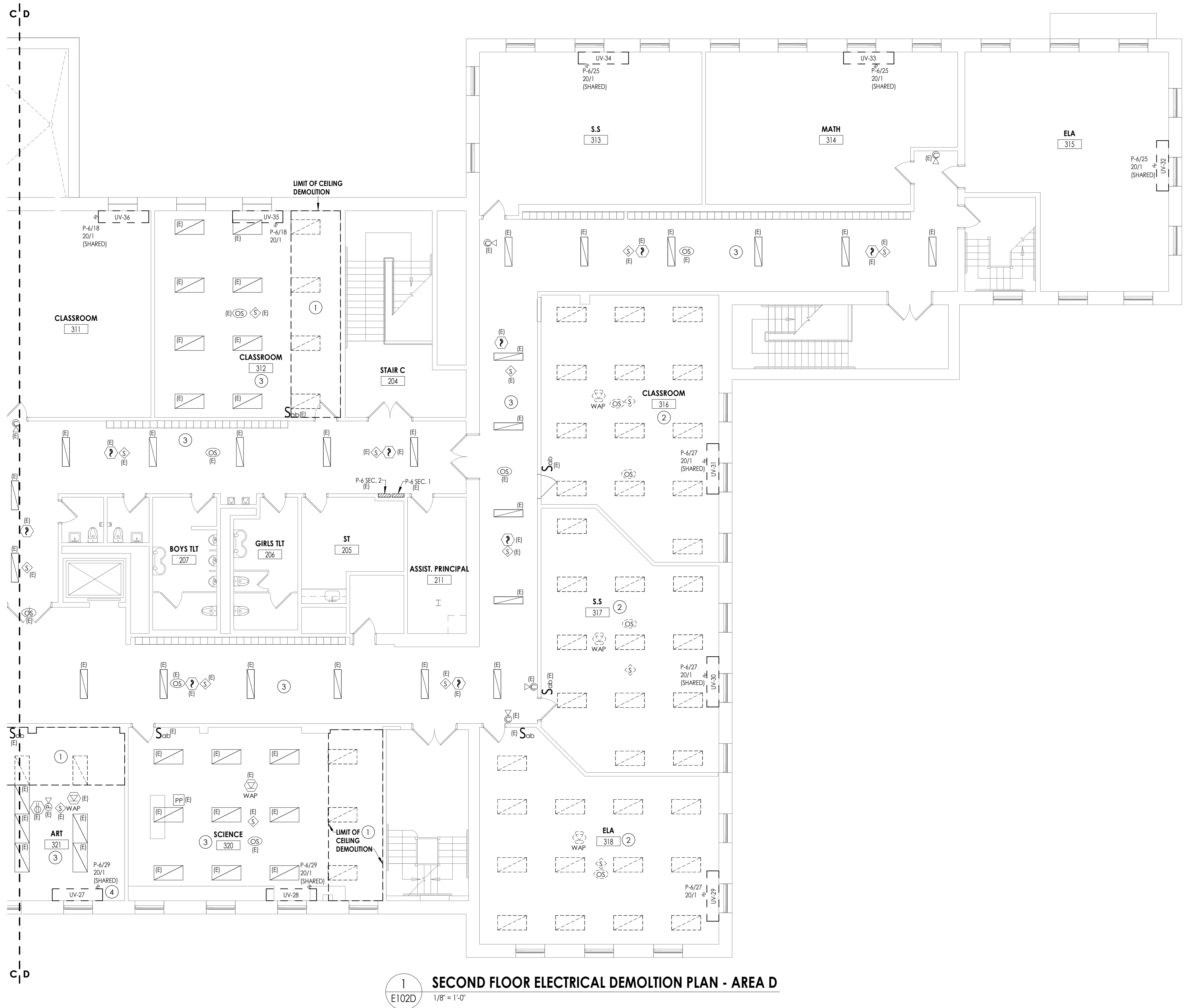
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SHEET INFORMATION

Issued  
09/06/2021  
CONSTRUCTION DOCUMENTS  
Drawn By  
RJD  
Checked By  
ARM  
Drawing Title  
SECOND FLOOR ELECTRICAL DEMOLITION PLAN - AREA C



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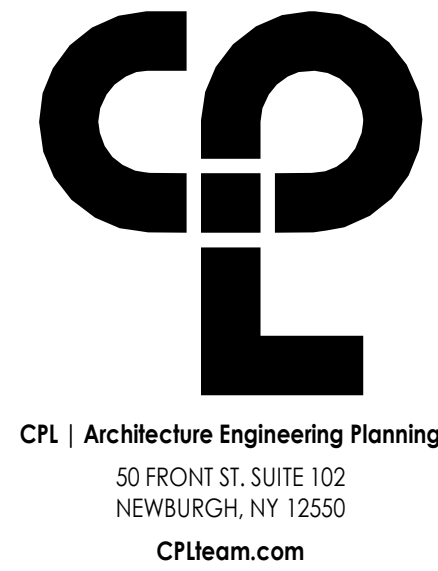
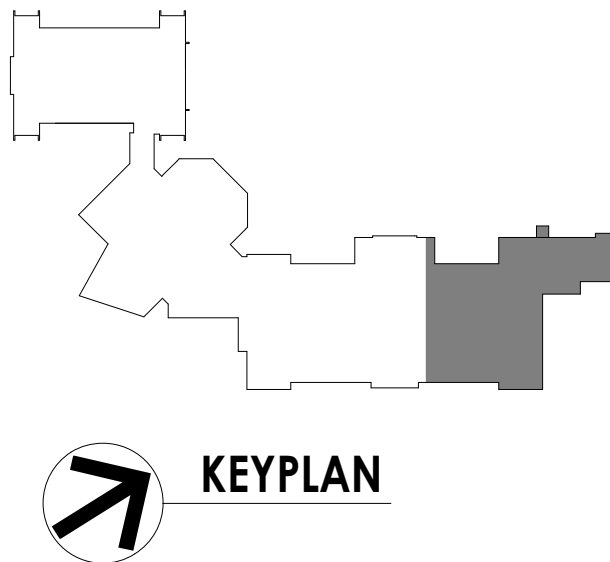


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- CONTRACTOR SHALL REMOVE AND RE-INSTALL EXISTING CEILING TILES AS REQUIRED TO ACCOMMODATE SCOPE OF WORK. TILES SHALL BE VACUUMED PRIOR TO REMOVAL TO MINIMIZE DUST AND DEBRIS. REPLACE DAMAGED TILES AS REQUIRED.
- CONTRACTOR SHALL PROVIDE NEW COVERPLATES ON ALL BOXES OF UNUSED AND/OR REMOVED FLUSH MOUNT DEVICES UPON COMPLETION OF PROJECT.
- FIREPROOFING AND/OR FIRE STOP MATERIALS REMOVED FROM FIRE RATED WALLS AND CEILINGS AS A RESULT OF DEMOLITION SHALL BE RE-INSTALLED USING AN APPROVED METHOD AS DESCRIBED IN ASSOCIATED PROJECT SPECIFICATIONS.

#### KEY NOTES:

- IN DESIGNATED AREA OF CEILING DEMOLITION, REMOVE AND SALVAGE EXISTING LIGHT FIXTURES AND ELECTRICAL CEILING DEVICES. BRANCH CIRCUIT WIRING AND SYSTEM CABLING TO REMAIN FOR RECONNECTION.
- ENTIRE CEILING IN ROOM TO BE REMOVED AND REPLACED BY OTHERS. ELECTRICAL CONTRACTOR SHALL REMOVE AND SALVAGE ALL CEILING MOUNTED ELECTRICAL DEVICES AND LIGHT FIXTURES. BRANCH CIRCUIT WIRING FOR LIGHT FIXTURES AND POWERED CEILING DEVICES TO REMAIN FOR RECONNECTION. ALL SYSTEM CABLING TO REMAIN FOR RECONNECTION. WALL MOUNTED LIGHT SWITCHES AND ASSOCIATED SWITCH LEGS ARE EXISTING TO REMAIN.
- EXISTING LIGHT FIXTURES, CONTROLS, SYSTEM AND POWER DEVICES SHOWN IN THIS AREA THAT ARE NOT SHOWN AS BEING DEMOLISHED (DASHED, HATCHED, OR OTHERWISE NOTED) ARE SHOWN FOR REFERENCE PURPOSES ONLY. CEILING TILE MAY NEED TO BE REMOVED IN THIS AREA FOR MECHANICAL WORK. EXISTING CEILING T-BAR GRID WILL REMAIN IN PLACE. LIGHT FIXTURES TO REMAIN IN GRID. SHOULD AN ELECTRICAL DEVICE NEED TO BE TEMPORARILY SUSPENDED OR REMOVED AND REINSTALLED DURING DEMOLITION OR NEW WORK PHASES, IT SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR.
- EXISTING BRANCH CIRCUIT FROM UV-27 TO REMAIN FOR CONNECTION TO NEW UV IN ROOM. DISCONNECT FROM UNIT AND PULL BACK FOR RE-USE.



#### PROJECT INFORMATION

Project Number  
13940.18  
Client Name  
**NEWBURGH ENLARGED CITY SCHOOL DISTRICT**  
Project Name  
**PHASE 3: HERITAGE MIDDLE SCHOOL 2019 CAPITAL IMPROVEMENT PROJECT**

Project Address  
405 Union Avenue, New Windsor, NY 12553

#### REVISION SCHEDULE

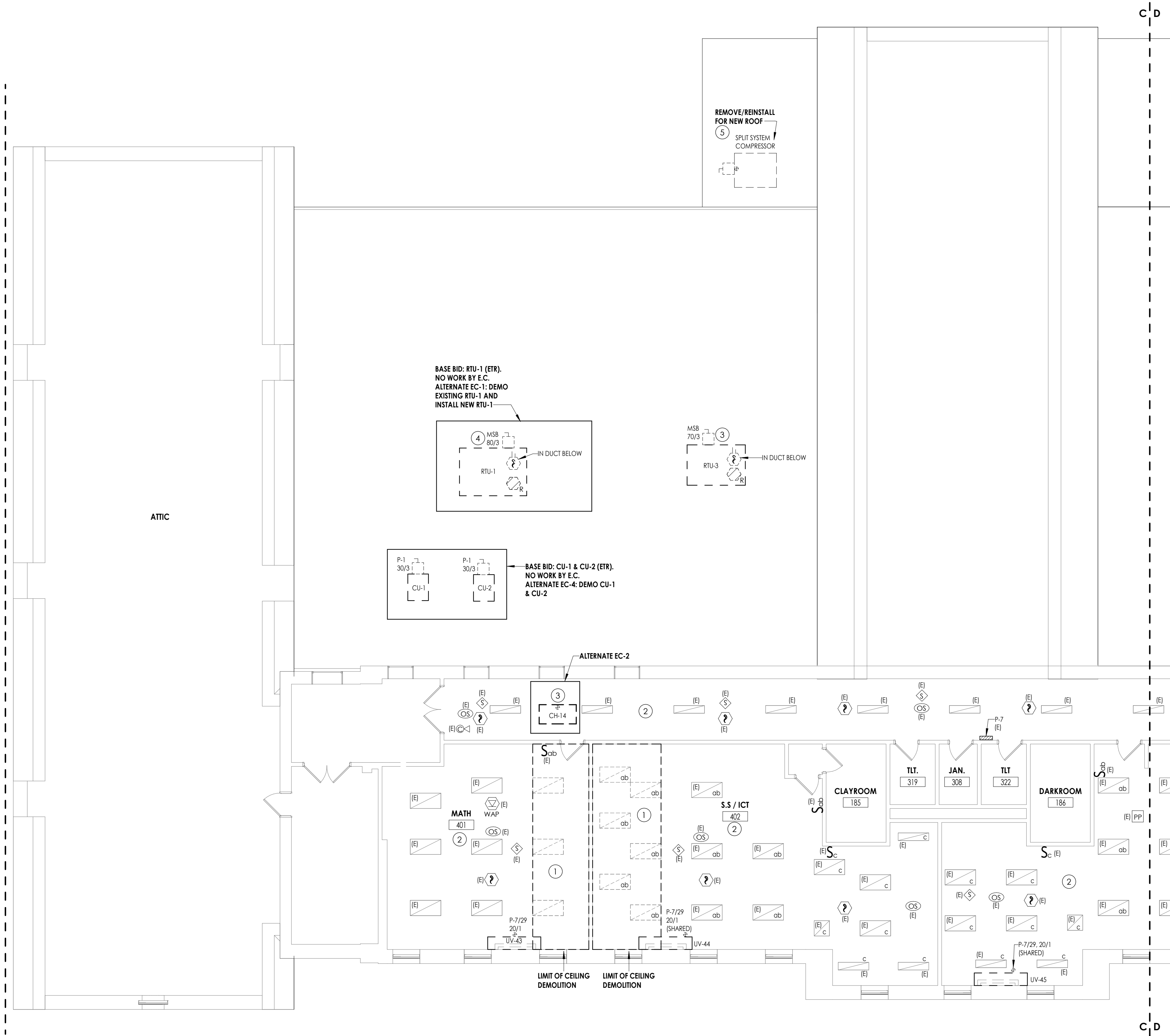
#	Date	Description
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#### SHEET INFORMATION

Issued  
09/06/2021  
CONSTRUCTION DOCUMENTS  
Drawn By  
RJD  
Checked By  
ARM  
Drawing Title  
**SECOND FLOOR ELECTRICAL DEMOLITION PLAN - AREA D**

HMS  
E102D

9/2/2021 1:58:44 PM S:\Projects\Newburgh ECSD\Heritage MS Addin & Reno\0 Design\06 CAD\Revit



1  
E103C

### THIRD FLOOR ELECTRICAL DEMOLITION PLAN - AREA C

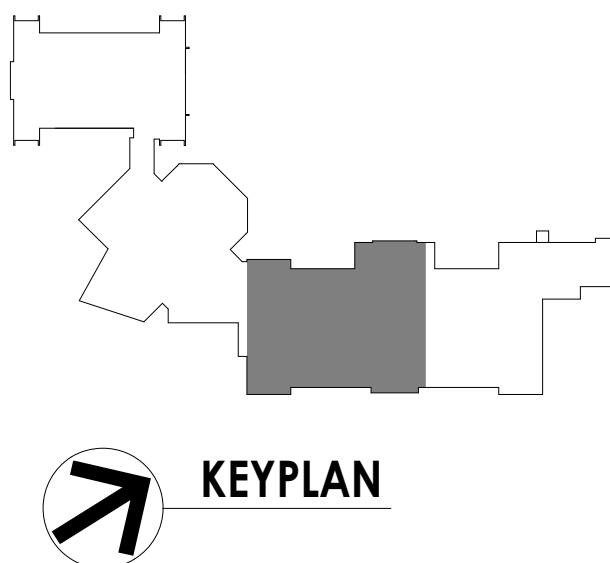
1/8" = 1'-0"

#### GENERAL NOTES:

- E - EXISTING TO REMAIN, ANY DEVICE, AS WELL AS ITS ASSOCIATED CIRCUITING AND CONDUIT, LABELED "(E)" SHALL REMAIN, UNLESS OTHERWISE NOTED.
- ALL OTHER DEVICES, FIXTURES, ELECTRICAL CONNECTIONS, ETC. SHOWN AS DASHED ARE TO BE REMOVED. UNLESS SPECIFICALLY CALLED OUT TO BE REMOVED AND SALVAGED, CONTRACTOR WILL BE RESPONSIBLE FOR DISPOSAL (OR TURN OVER TO OWNER AS INDICATED BELOW).
- WHERE DEVICES, FIXTURES, ETC. ARE INDICATED TO BE REMOVED, THEY AND THEIR RELATED WIRING/CONDUIT SHALL BE REMOVED BACK TO THE SOURCE PANELBOARD UNLESS OTHERWISE NOTED. ON CIRCUITS WHERE OTHER DEVICES, FIXTURES, ETC. ARE FOUND THAT MUST REMAIN, MAINTAIN CIRCUIT CONTINUITY BY PROVIDING ADDITIONAL WIRING, TO FEED THROUGH TO THESE REMAINING ITEMS. RELOCATE ANY CIRCUITS THAT REMAIN, TO AVOID CONFLICT WITH NEW CONSTRUCTION AS REQUIRED. PROPERLY TERMINATE ALL WIRING.
- THE CONTRACTOR SHALL REMOVE THE EXISTING ELECTRIC IN AREAS OF NEW RENOVATIONS TO ACCOMMODATE NEW CONSTRUCTION, REROUTING OF EXISTING MAY BE REQUIRED AT NEW OPENINGS IN EXISTING CONSTRUCTION OR INTERFERENCE WITH OTHER NEW WORK AS NOTED IN THE FOLLOWING NOTES.
- DRAWINGS INDICATE SPECIFIC ITEMS TO BE REMOVED AND/OR RELOCATED IN ORDER TO INDICATE GENERAL SCOPE. ADDITIONAL ITEMS NOT INDICATED, BUT NECESSARY FOR PROJECT RENOVATIONS, SHALL BE REMOVED, RELOCATED AND/OR REROUTED.
- COORDINATE DEMOLITION OF EQUIPMENT, DEVICES, ETC., WITH OTHER DISCIPLINES AS APPLICABLE. REFER TO ARCHITECTURAL AND MECHANICAL DEMOLITION DRAWINGS AND NOTES FOR COORDINATION.
- DRAWINGS ARE GRAPHICAL REPRESENTATIONS OF APPROXIMATE EQUIPMENT AND DEVICE LOCATIONS. CONTRACTOR SHALL VISIT THE SITE TO DETERMINE THE EXACT EXTENT OF ELECTRICAL WORK REQUIRED TO COMPLETE THE PROJECT. EXISTING CONDITIONS ARE TAKEN FROM FIELD OBSERVATION AND EXISTING BUILDING DOCUMENTS. OTHER ELECTRICAL ITEMS MAY EXIST FOR WHICH THE CONTRACTOR IS RESPONSIBLE.
- CONTRACTOR SHALL PROPERLY DISPOSE OF ALL ITEMS, EQUIPMENT, PANELS, LIGHT FIXTURES, ETC. BEING REMOVED AS PART OF THIS PROJECT. THE OWNER SHALL HAVE THE RIGHT OF RETAINING ANY ITEMS BEING REMOVED.
- CONTRACTOR SHALL REMOVE AND RE-INSTALL EXISTING CEILING TILES AS REQUIRED TO ACCOMMODATE SCOPE OF WORK. TILES SHALL BE VACUUMED PRIOR TO REMOVAL TO MINIMIZE DUST AND DEBRIS. REPLACE DAMAGED TILES AS REQUIRED.
- CONTRACTOR SHALL PROVIDE NEW COVERPLATES ON ALL BOXES OF UNUSED AND/OR REMOVED FLUSH MOUNT DEVICES UPON COMPLETION OF PROJECT.
- FIREPROOFING AND/OR FIRE STOP MATERIALS REMOVED FROM FIRE RATED WALLS AND CEILINGS AS A RESULT OF DEMOLITION SHALL BE RE-INSTALLED USING AN APPROVED METHOD AS DESCRIBED IN ASSOCIATED PROJECT SPECIFICATIONS.

#### KEY NOTES:

- IN DESIGNATED AREA OF CEILING DEMOLITION, REMOVE AND SALVAGE EXISTING LIGHT FIXTURES AND ELECTRICAL CEILING DEVICES. BRANCH CIRCUIT WIRING AND SYSTEM CABLING TO REMAIN FOR RECONNECTION.
- EXISTING LIGHT FIXTURES, CONTROLS, SYSTEM AND POWER DEVICES SHOWN IN THIS AREA THAT ARE NOT SHOWN AS BEING DEMOLISHED (DASHED, HATCHED, OR OTHERWISE NOTED) ARE SHOWN FOR REFERENCE PURPOSES ONLY. CEILING TILE MAY NEED TO BE REMOVED IN THIS AREA FOR MECHANICAL WORK. EXISTING CEILING T-BAR GRID WILL REMAIN IN PLACE. LIGHT FIXTURES TO REMAIN IN GRID. SHOULD AN ELECTRICAL DEVICE NEED TO BE TEMPORARILY SUSPENDED OR REMOVED AND REINSTALLED DURING DEMOLITION OR NEW WORK PHASES, IT SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR.
- EXISTING BRANCH CIRCUIT TO REMAIN FOR CONNECTION TO NEW HVAC EQUIPMENT IN SAME LOCATION.
- ALTERNATE: EXISTING BRANCH CIRCUIT TO REMAIN FOR CONNECTION TO NEW HVAC EQUIPMENT IN SAME LOCATION. EXISTING OCP WILL BE REPLACED WITH NEW SMALLER BREAKER.
- DISCONNECT BRANCH CIRCUIT WIRING FROM HVAC UNIT. PULL BACK AND PROTECT CONDUCTORS FOR EQUIPMENT REMOVAL BY OTHERS FOR ROOF WORK.



#### PROJECT INFORMATION

Project Number  
13940.18  
Client Name  
**NEWBURGH ENLARGED CITY SCHOOL DISTRICT**  
Project Name  
**PHASE 3: HERITAGE MIDDLE SCHOOL 2019 CAPITAL IMPROVEMENT PROJECT**  
Project Address  
405 Union Avenue, New Windsor, NY 12553

#### REVISION SCHEDULE

#	Date	Description
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#### SHEET INFORMATION

Issued  
09/06/2021  
CONSTRUCTION DOCUMENTS  
Drawn By  
RJD  
Checked By  
ARM  
Drawing Title  
THIRD FLOOR ELECTRICAL DEMOLITION PLAN - AREA C

HMS  
E103C



Project Number  
13940.18

Client Name  
**NEWBURGH ENLARGED CITY  
SCHOOL DISTRICT**

Project Name  
**PHASE 3: HERITAGE MIDDLE  
SCHOOL 2019 CAPITAL  
IMPROVEMENT PROJECT**

Project Address  
405 Union Avenue, New Windsor, NY 125

#	Date	Description
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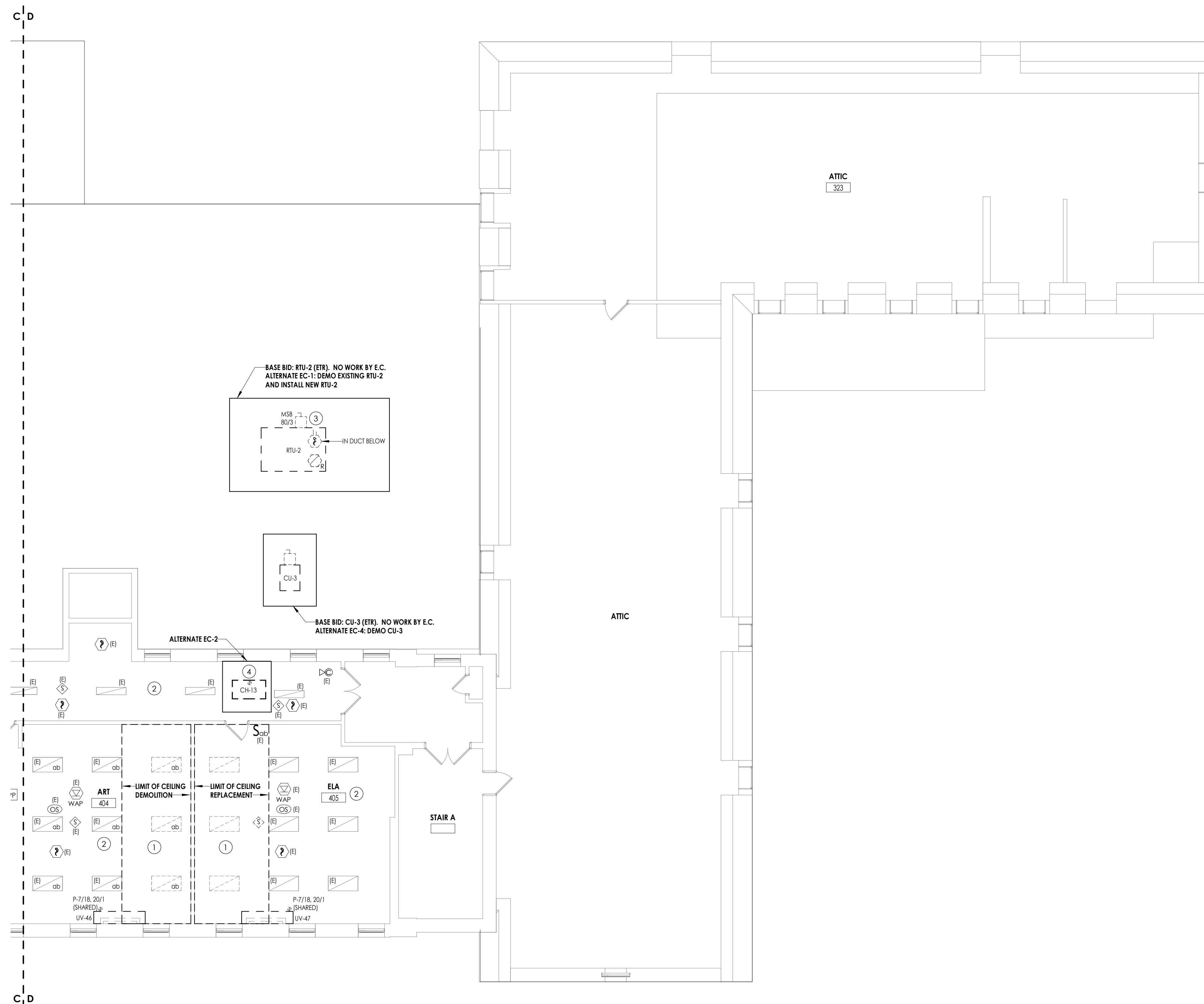
- A. E- EXISTING TO REMAIN, ANY DEVICE, AS WELL AS ITS ASSOCIATED CIRCUITING AND CONDUIT, LABELED "E" SHALL REMAIN, UNLESS OTHERWISE NOTED.
- B. ALL OTHER DEVICES, FIXTURES, ELECTRICAL CONNECTIONS, ETC. SHOWN AS DASHED ARE TO BE REMOVED. UNLESS SPECIFICALLY CALLED OUT TO BE REMOVED AND SALVAGED, CONTRACTOR WILL BE RESPONSIBLE FOR DISPOSAL (OR TURN OVER TO OWNER AS INDICATED BELOW).
- C. WHERE DEVICES, FIXTURES, ETC. ARE INDICATED TO BE REMOVED, THEY AND THEIR RELATED WIRING/CONDUIT SHALL BE REMOVED BACK TO THE SOURCE PANELBOARD UNLESS OTHERWISE NOTED, ON CIRCUITS WHERE OTHER DEVICES, FIXTURES, ETC. ARE FOUND THAT MUST REMAIN, MAINTAIN CIRCUIT CONTINUITY BY PROVIDING ADDITIONAL WIRING, TO FEED THROUGH TO THESE REMAINING ITEMS. RELOCATE ANY CIRCUITS THAT REMAIN, TO AVOID CONFLICT WITH NEW CONSTRUCTION AS REQUIRED, PROPERLY TERMINATE ALL WIRING.
- D. THE CONTRACTOR SHALL REMOVE THE EXISTING ELECTRIC IN AREAS OF NEW RENOVATIONS TO ACCOMMODATE NEW CONSTRUCTION, REROUTING OF EXISTING MAY BE REQUIRED AT NEW OPENINGS IN EXISTING CONSTRUCTION OR INTERFERENCE WITH OTHER NEW WORK AS NOTED IN THE FOLLOWING NOTES.
- E. DRAWINGS INDICATE SPECIFIC ITEMS TO BE REMOVED AND/OR RELOCATED IN ORDER TO INDICATE GENERAL SCOPE, ADDITIONAL ITEMS NOT INDICATED, BUT NECESSARY FOR PROJECT RENOVATIONS, SHALL BE REMOVED, RELOCATED AND/OR REROUTED.
- F. COORDINATE DEMOLITION OF EQUIPMENT, DEVICES, ETC. WITH OTHER DISCIPLINES AS APPLICABLE. REFER TO ARCHITECTURAL AND MECHANICAL DEMOLITION DRAWINGS AND NOTES FOR COORDINATION.
- G. DRAWINGS ARE GRAPHICAL REPRESENTATIONS OF APPROXIMATE EQUIPMENT AND DEVICE LOCATIONS. CONTRACTOR SHALL VISIT THE SITE TO DETERMINE THE EXACT EXTENT OF ELECTRICAL WORK REQUIRED TO COMPLETE THE PROJECT. EXISTING CONDITIONS ARE TAKEN FROM FIELD OBSERVATION AND EXISTING BUILDING DOCUMENTS. OTHER ELECTRICAL ITEMS MAY EXIST FOR WHICH THE CONTRACTOR IS RESPONSIBLE.
- H. CONTRACTOR SHALL PROPERLY DISPOSE OF ALL ITEMS, EQUIPMENT, PANELS, LIGHT FIXTURES, ETC. BEING REMOVED AS PART OF THIS PROJECT. THE OWNER SHALL HAVE THE RIGHT OF RETAINING ANY ITEMS BEING REMOVED.
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- J. CONTRACTOR SHALL PROVIDE NEW COVERPLATES ON ALL BOXES OF UNUSED AND/OR REMOVED FLUSH MOUNT DEVICES UPON COMPLETION OF PROJECT.
- K. FIREPROOFING AND/OR FIRE STOP MATERIALS REMOVED FROM FIRE RATED WALLS AND CEILINGS AS A RESULT OF DEMOLITION SHALL BE RE-INSTALLED USING AN APPROVED METHOD AS DESCRIBED IN ASSOCIATED PROJECT SPECIFICATIONS.

- ① IN DESIGNATED AREA OF CEILING DEMOLITION, REMOVE AND SALVAGE EXISTING LIGHT FIXTURES AND ELECTRICAL CEILING DEVICES. BRANCH CIRCUIT WIRING AND SYSTEM CABLEING TO REMAIN FOR RECONNECTION.
- ② EXISTING LIGHT FIXTURES, CONTROLS, SYSTEM AND POWER DEVICES SHOWN IN THIS AREA THAT ARE NOT SHOWN AS BEING DEMOLISHED (DASHED, HATCHED, OR OTHERWISE NOTED) ARE SHOWN FOR REFERENCE PURPOSES ONLY. CEILING TILE MAY NEED TO BE REMOVED IN THIS AREA FOR MECHANICAL WORK. EXISTING CEILING TABS GRID WILL REMAIN IN PLACE. LIGHT FIXTURES TO REMAIN IN GRID. SHOULD AN ELECTRICAL DEVICE NEED TO BE TEMPORARILY SUSPENDED OR REMOVED AND REINSTALLED DURING DEMOLITION OR NEW WORK PHASES, IT SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR.
- ③ ALTERNATE: EXISTING BRANCH CIRCUIT TO REMAIN FOR CONNECTION TO NEW HVAC EQUIPMENT IN SAME LOCATION. EXISTING OCP WILL BE REPLACED WITH NEW SMALLER BREAKER.
- ④ EXISTING BRANCH CIRCUIT TO REMAIN FOR CONNECTION TO NEW HVAC EQUIPMENT IN SAME LOCATION.

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09/04/2021  
CONSTRUCTION DOCUMENTS  
Drawn By  
RJD  
Checked By  
ARM  
Drawing Title  
THIRD FLOOR ELECTRICAL  
DEMOLITION PLAN - AREA D



HMS  
E103D



1 THIRD FLOOR ELECTRICAL DEMOLITION PLAN - AREA D  
E103D 1/8" = 1'-0"

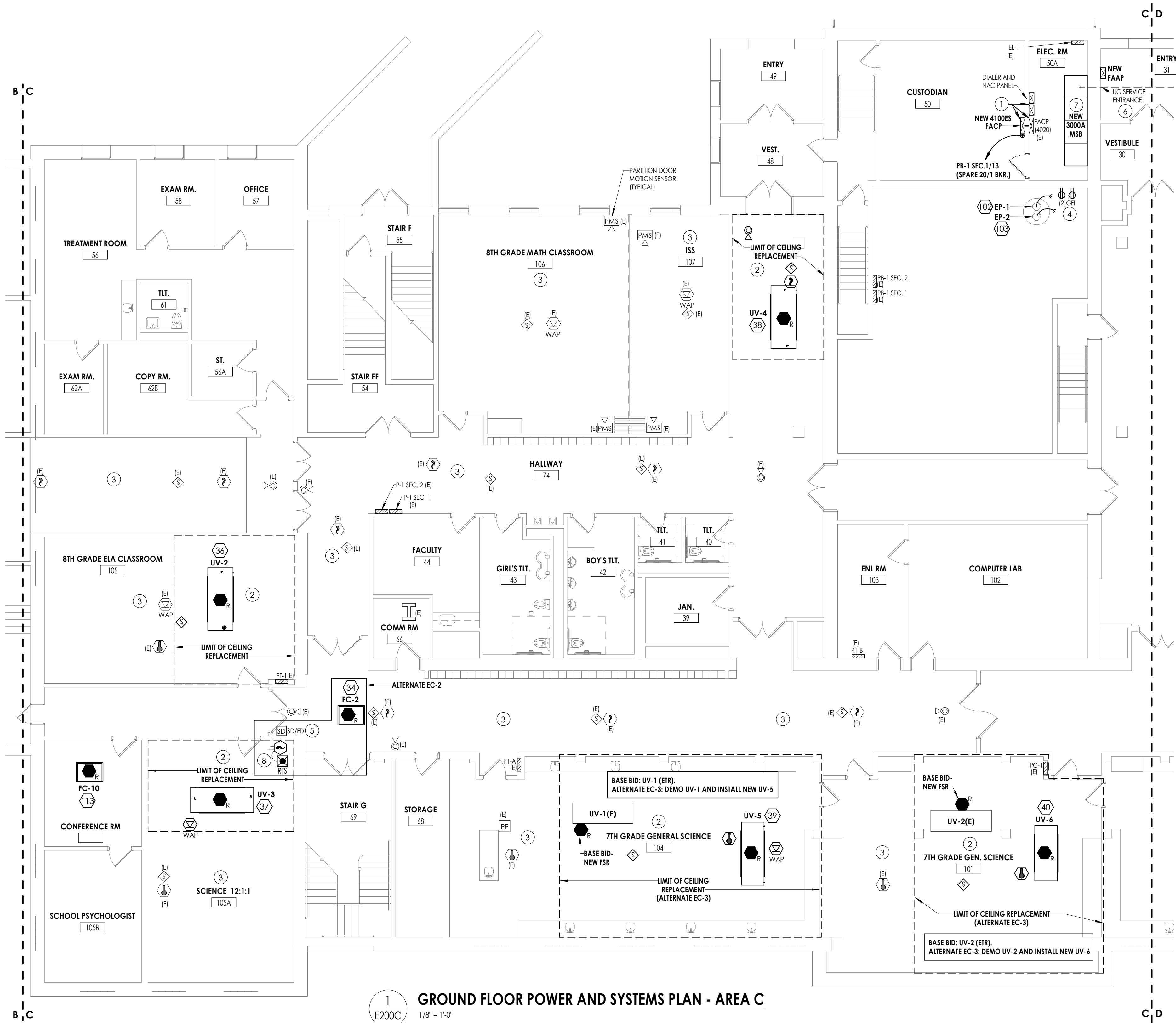


- (1) REINSTALL SALVAGED SECURITY CAMERA. RECONNECT CABLING LEFT FROM DEMOLITION.
- (2) SPLICE AND EXTEND EXISTING PROJECTION SCREEN BRANCH CIRCUIT WITH (2) #12, #12 GND IN 1/2" CONDUIT TO TERMINATION POINT OF NEW UNIT.
- (3) MOUNT NEW PROJECTION EQUIPMENT ON BOTTOM OF SOFFIT. PROVIDE RECESSED, FLUSH MOUNT RECEPTACLE, DATA, AND HDMI CABLING AS REQUIRED FOR DISTRICT EQUIPMENT.
- (4) REINSTALL SALVAGED WIRELESS ACCESS EQUIPMENT. RECONNECT CABLING LEFT FROM DEMOLITION.
- (5) REINSTALL SALVAGED CEILING MOUNTED SYSTEM DEVICE. RECONNECT SYSTEM CABLING LEFT FROM DEMOLITION.
- (6) ELECTRICAL CONTROL BOX AT SKYFOLD PARTITION AND SWITCH CONTROL DEVICES TO BE PROVIDED BY GENERAL CONTRACTOR AND INSTALLED BY ELECTRICAL CONTRACTOR. ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL SINGLE GANG BACK BOXES FOR 15V SWITCHES AND CONTROL WIRING BETWEEN SWITCHES AND SKYFOLD CONTROL PANEL. WIRE WITH (3) #18 AWG IN 1/2" CONDUIT. COORDINATE LOCATION AND FINAL REQUIREMENTS WITH PARTITION MANUFACTURER. DOOR CONTROL OPERATOR SWITCHES SHALL BE LOCATED AT OPPOSITE ENDS AND OPPOSITE SIDES OF, AND IN VIEW OF PARTITION. ELECTRICAL CONTRACTOR SHALL PROVIDE INFRARED SAFETY SYSTEM AND WIRE TO DRY CONTACTS IN SKYFOLD CONTROL PANEL.
- (7) ELECTRICAL CONTRACTOR TO PROVIDE POWER AND CONTROL WIRING FOR MOTORIZED WINDOW SHADES. 15 CHANNEL DIGITAL WALL SWITCH WILL BE PROVIDED BY GENERAL CONTRACTOR. ELECTRICAL CONTRACTOR TO INSTALL SWITCHES AND WIRE ALL UNITS. LOCATIONS OF SHADE MOTORS AND CONNECTIONS SHALL BE VERIFIED IN THE FIELD DURING CONSTRUCTION.
- (8) DUPLEX DEVICES ALONG WINDOW WALL TO BE CENTERED BETWEEN TOP OF FIN-TUBE RADIATION ENCLOSURE AND BOTTOM OF WINDOW FRAME. MOUNT DEVICES HORIZONTALLY.
- (9) INSTALL NEW DEVICES IN FURRED-OUT WALL. RE-WORK EXISTING BRANCH CIRCUIT WIRING AND SYSTEM CABLING TO REACH TERMINATION POINT OF DEVICES IN NEW WALL. SPLICE AND EXTEND EXISTING BRANCH CIRCUIT IF REQUIRED FOR CONNECTION.
- (10) EXISTING CEILING MOUNTED SYSTEM AND POWER DEVICES SHOWN IN THIS AREA ARE SHOWN FOR REFERENCE PURPOSES ONLY. SHOULD CEILING TILE BE REQUIRED TO BE REMOVED AS NOTED IN DEMOLITION DRAWING KEY NOTES, THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO TEMPORARILY SUPPORT OR REMOVE/REINSTALL THE EQUIPMENT.
- (11) REINSTALL SALVAGED DEVICES REMOVED FOR WALL DEMOLITION. RECONNECT ALL BRANCH CIRCUITS AND SYSTEM WIRING CONNECTIONS.
- (12) WIRE NEW COUNTER HEIGHT RECEPTACLES TO EXISTING ROOM BRANCH CIRCUIT FROM DEMOLISHED PLUGMOLD.
- (13) CONDUIT TO BE INSTALLED UNDERSLAB AND UP INTO WALL. PROVIDE FLUSH FLOOR BOXES WITH COVERS AS SPECIFIED.
- (14) CONNECT NEW DEVICE CIRCUIT TO EXISTING BRANCH CIRCUIT LEFT FROM DEMOLITION. SPLICE AND EXTEND EXISTING CIRCUIT WITH (2) #12, #12 GND IN 1/2" CONDUIT.
- (15) REINSTALL SALVAGED PA SPEAKER. RECONNECT SPEAKER CABLING LEFT FROM DEMOLITION.
- (16) PROVIDE DUCT SMOKE DETECTOR AND FIRE ALARM RELAY TO SIGNAL MECHANICAL SMOKE DAMPER. PROVIDE 120V BRANCH CIRCUIT TO DAMPER ACTUATOR FROM NEAREST 120V RECEPTACLE CIRCUIT. WIRE WITH (2) #12, #12 GND, IN 1/2" CONDUIT.
- (17) BASE BID: REINSTALL NEW RECEPTACLE AND FACEPLATE IN FRONT OF STAGE WALL. RECONNECT WIRING LEFT FROM DEVICE REMOVAL.
- (18) ALTERNATE EC-6: FOLLOWING REMOVAL OF STAGE FLOOR AND RAMP, INSTALL NEW RECEPTACLE. CONNECT NEW DEVICE TO EXISTING BRANCH CIRCUIT LEFT IN THE AREA FROM DEMOLITION OF DEVICES FROM FRONT OF STAGE WALL. SPLICE AND EXTEND EXISTING CIRCUIT WITH (2) #12, #12 GND IN 3/4" CONDUIT.
- (19) INSTALL NEW RECEPTACLE AND FACEPLATE IN EXISTING BACKBOX. RECONNECT WIRING LEFT FROM DEMOLITION.
- (20) PROGRAM FIRE ALARM PANEL TO RELEASE FIRE SHUTTER UPON ACTIVATION OF DEVICE. PROVIDE FIRE ALARM RELAY AND CONNECTIONS AT SHUTTER IF NOT EXISTING.
- (21) ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL A SINGLE SIDED DIGITAL CLOCK. COORDINATE WITH DISTRICT FOR MANUFACTURER AND TYPE TO BE PROVIDED. CONNECT TO EXISTING CLOCK SYSTEM IN BUILDING. FOR BID PRICING ALLOW \$500 PER CLOCK.

- A. FIXTURES, DEVICES, AND EQUIPMENT LABELED AS "ET" ARE EXISTING AND ARE SHOWN FOR REFERENCE ONLY. ALL OF THESE DEVICES SHALL REMAIN OPERATIONAL FOLLOWING CONSTRUCTION.
- B. EQUIPMENT DESIGNATED WITH A NUMBER INSIDE OF A HEXAGON ARE SCHEDULED ON DRAWING E900. REFER TO EQUIPMENT WIRING SCHEDULE FOR BREAKER AND CIRCUITING INFORMATION.
- C. DISCONNECT SWITCHES AND STARTER DEVICES ASSOCIATED WITH HVAC EQUIPMENT SHALL BE FURNISHED AND INSTALLED BY THE MECHANICAL CONTRACTOR, AND WIRED BY THE ELECTRICAL CONTRACTOR. INCLUDE AN ADDITIONAL 10' OF CIRCUITING IN PRICING FOR INSTANCES WHERE A DISCONNECT MAY NOT BE MOUNTED DIRECTLY ON UNIT. E.C. IS RESPONSIBLE TO WIRE BOTH LINE AND LOAD SIDES OF DISCONNECT.
- D. UPDATE PANELBOARD DIRECTORIES TO REFLECT CHANGES MADE TO CIRCUITS WITH LOAD(S) AND ROOM(S) SERVED. LABEL ANY UNUSED BREAKER AS SPARE AND TURN TO OFF POSITION.
- E. FIRE ALARM SCOPE OF THIS PROJECT INCLUDES INSTALLING A NEW SIMPLEX 4100ES PANEL TO SERVE NEW AND RENOVATED AREAS WHILE MAINTAINING EXISTING SIMPLEX 4020 PANEL. ALL EXISTING DEVICES REMOVED IN THE DEMOLITION PHASE OF THE PROJECT SHALL BE REMOVED FROM THE SYSTEM PROGRAMMING OF THE 4020 PANEL. NEW INITIATION AND NOTIFICATION DEVICES SHOWN SHALL BE CONNECTED TO AND COMPATIBLE WITH THE NEW SIMPLEX 4100ES FIRE ALARM CONTROL PANEL LOCATED IN CUSTODIAN ROOM 50. PROVIDE NEW NOTIFICATION APPLIANCE CIRCUIT PANELS (WITH SMOKE DETECTOR WITHIN 5') WITH BATTERIES WHERE REQUIRED TO ACCOMMODATE NEW NOTIFICATION DEVICES. LOCATE SAID NAC PANEL IN A STORAGE OR ELEC/MECH ROOM, AND WIRE TO NEAREST AVAILABLE PANELBOARD WITH (2) #12, #12 GND, IN 3/4" CONDUIT. FOR PRICING PURPOSES, ASSUME 150 PER CIRCUIT. PROVIDE 20' / CIRCUIT BREAKER AS REQUIRED.
- F. FIRE ALARM SPACING SHALL COMPLY WITH NFPA 72 REQUIREMENTS. ALL FIRE ALARM INITIATION DEVICES SHOWN SHALL NOT BE LOCATED IN DIRECT AIRFLOW PATH OR CLOSER THAN 3' OF AN AIR SUPPLY DIFFUSER OR RETURN AIR OPENING.
- G. THE OPERABLE PART OF PULL STATIONS SHALL BE MOUNTED MORE THAN 3'-6" BUT LESS THAN 4'-0" ABOVE FINISHED FLOOR.
- H. FOR PUBLIC MOUNT, WALL MOUNTED VISUALS AND AUDIBLE/VISUALS SHALL BE MOUNTED SUCH THAT THE ENTIRE LENS IS NOT LESS THAN 80" AND NOT GREATER THAN 96" ABOVE FINISHED FLOOR.
- I. THE MINIMUM REQUIRED CANDELA LEVEL IS INDICATED ADJACENT TO NEW VISUS DEVICES. IF NOT INDICATED, MINIMUM ALLOWABLE SETTING IS 15 CANDELA.
- J. ACTIVATION OF BUILDING FIRE ALARM SYSTEM SHALL AUTOMATICALLY SHUT DOWN ALL FANS ASSOCIATED WITH HVAC UNITS IN THE BUILDING AS REQUIRED BY LOCAL, STATE, AND NATIONAL CODES. PROVIDE FIRE ALARM SHUT DOWN RELAYS IN EACH UNIT.
- K. FINAL TESTING OF FIRE ALARM SYSTEM SHALL COMPLY WITH ALL NFPA 72 REQUIREMENTS, ANY ALTERED CIRCUIT(S) SHALL HAVE ALL FIRE ALARM INITIATION DEVICES TESTED IN THEIR ENTIRETY AND 10% OF NEIGHBORING ZONE/LOOP DEVICES.
- L. PROVIDE 8" ROUND, FLUSH MOUNTED, WHITE CEILING SPEAKERS WHERE SHOWN. NEW SPEAKERS SHALL BE CONNECTED TO AND COMPATIBLE WITH EXISTING BUILDING PUBLIC ADDRESS SYSTEM. EXPAND EXISTING SYSTEM WITH ADDITIONAL AMPLIFIERS AS REQUIRED AT HEAD END LOCATION FOR COMPLETE OPERATIONAL SYSTEM. COORDINATE EXACT REQUIREMENTS WITH OWNER.
- M. ALL CABLING ABOVE ACCESSIBLE CEILINGS SHALL BE SUPPORTED VIA J-HOOK. J-HOOKS SHALL NOT EXCEED 5'-0" SPACING. ALL CABLING ABOVE INACCESSIBLE SPACES AND CEILINGS OUGHT TO STRUCTURE SHALL BE IN CONDUIT.
- N. ALL EXPOSED RACEWAY SHALL BE PAINTED TO MATCH CEILING/WALL FINISH. CONTRACTOR SHALL USE APPROVED PAINT COLOR/TYPE.
- O. NEW CARBON MONOXIDE DETECTORS SHALL BE ADDRESSABLE AND BE CONNECTED TO THE BUILDING FIRE ALARM SYSTEM.







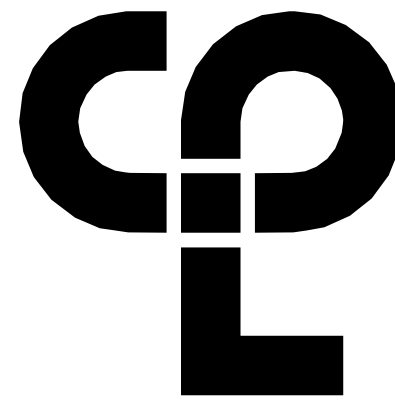
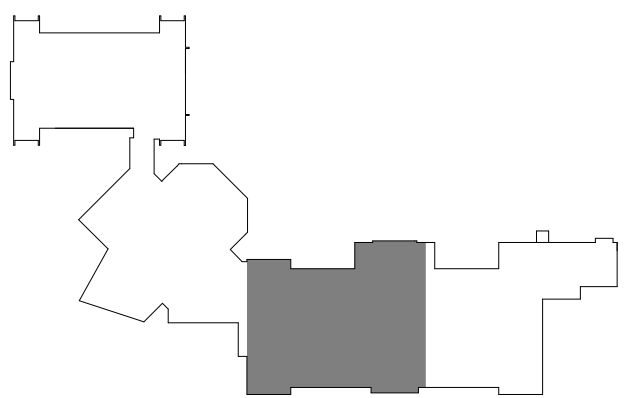
1  
E200C  
GROUND FLOOR POWER AND SYSTEMS PLAN - AREA C  
1/8" = 1'-0"

#### GENERAL NOTES:

- FIXTURES, DEVICES, AND EQUIPMENT LABELED AS "E" ARE EXISTING AND ARE SHOWN FOR REFERENCE ONLY. ALL OF THESE DEVICES SHALL REMAIN OPERATIONAL FOLLOWING CONSTRUCTION.
- EQUIPMENT DESIGNATED WITH A NUMBER INSIDE OF A HEXAGON ARE SCHEDULED ON DRAWING E900. REFER TO EQUIPMENT WIRING SCHEDULE FOR BREAKER AND CIRCUITING INFORMATION.
- DISCONNECT SWITCHES AND STARTER DEVICES ASSOCIATED WITH HVAC EQUIPMENT SHALL BE FURNISHED AND INSTALLED BY THE MECHANICAL CONTRACTOR. AND WIRED BY THE ELECTRICAL CONTRACTOR. INCLUDE AN ADDITIONAL 10' OF CIRCUITING IN PRICING FOR INSTANCES WHERE A DISCONNECT MAY NOT BE MOUNTED DIRECTLY ON UNIT. E.C. IS RESPONSIBLE TO WIRE BOTH LINE AND LOAD SIDES OF DISCONNECT.
- UPDATE PANELBOARD DIRECTORIES TO REFLECT CHANGES MADE TO CIRCUITS WITH LOAD(S) AND ROOM(S) SERVED. LABEL ANY UNUSED BREAKER AS SPARE AND TURN TO OFF POSITION.
- FIRE ALARM SCOPE OF THIS PROJECT INCLUDES INSTALLING A NEW SIMPLEX 4100ES PANEL TO SERVE NEW AND RENOVATED AREAS WHILE MAINTAINING EXISTING SIMPLEX 4020 PANEL. ALL EXISTING DEVICES REMOVED IN THE DEMOLITION PHASE OF THE PROJECT SHALL BE REMOVED FROM THE SYSTEM PROGRAMMING OF THE 4020 PANEL. NEW INITIATION AND NOTIFICATION DEVICES SHOWN SHALL BE CONNECTED TO AND COMPATIBLE WITH THE NEW SIMPLEX 4100ES FIRE ALARM CONTROL PANEL LOCATED IN CUSTODIAN ROOM 50. PROVIDE NEW NOTIFICATION APPLIANCE CIRCUIT PANELS (WITH SMOKE DETECTOR WITHIN 5') WITH BATTERIES WHERE REQUIRED TO ACCOMMODATE NEW NOTIFICATION DEVICES. LOCATE SAID NAC PANEL IN A STORAGE OR ELEC/MECH ROOM, AND WIRE TO NEAREST AVAILABLE PANELBOARD WITH (2) #12, #12 GND. IN 3/4" CONDUIT. FOR PRICING PURPOSES, ASSUME 150' PER CIRCUIT. PROVIDE 20/1 CIRCUIT BREAKER AS REQUIRED.
- FIRE ALARM SPACING SHALL COMPLY WITH NFPA 72 REQUIREMENTS. ALL FIRE ALARM INITIATION DEVICES SHOWN SHALL NOT BE LOCATED IN DIRECT AIRFLOW PATH OR CLOSER THAN 3' OF AN AIR SUPPLY DIFFUSER OR RETURN AIR OPENING.
- THE OPERABLE PART OF PULL STATIONS SHALL BE MOUNTED MORE THAN 3'-6" BUT LESS THAN 4'-0" ABOVE FINISHED FLOOR.
- FOR PUBLIC MODE, WALL MOUNTED VISUALS AND AUDIBLE/VISUALS SHALL BE MOUNTED SUCH THAT THE ENTIRE LENS IS NOT LESS THAN 80" AND NOT GREATER THAN 96" ABOVE FINISHED FLOOR.
- THE MINIMUM REQUIRED CANDELA LEVEL IS INDICATED ADJACENT TO NEW VISUAL DEVICES. IF NOT INDICATED, MINIMUM ALLOWABLE SETTING IS 15 CANDELA.
- ACTIVATION OF BUILDING FIRE ALARM SYSTEM SHALL AUTOMATICALLY SHUT DOWN ALL FANS ASSOCIATED WITH HVAC UNITS IN THE BUILDING AS REQUIRED BY LOCAL, STATE, AND NATIONAL CODES. PROVIDE FIRE ALARM SHUT DOWN RELAYS IN EACH UNIT.
- FINAL TESTING OF FIRE ALARM SYSTEM SHALL COMPLY WITH ALL NFPA 72 REQUIREMENTS. ANY ALTERED CIRCUIT(S) SHALL HAVE ALL FIRE ALARM INITIATION DEVICES TESTED IN THEIR ENTIRETY AND 10% OF NEIGHBORING ZONE/LOOP DEVICES.
- PROVIDE 8" ROUND, FLUSH MOUNTED, WHITE CEILING SPEAKERS WHERE SHOWN. NEW SPEAKERS SHALL BE CONNECTED TO AND COMPATIBLE WITH EXISTING BUILDING PUBLIC ADDRESS SYSTEM. EXPAND EXISTING SYSTEM WITH ADDITIONAL AMPLIFIERS AS REQUIRED AT HEAD END LOCATION FOR A COMPLETE OPERATIONAL SYSTEM. COORDINATE EXACT REQUIREMENTS WITH OWNER.
- ALL CABLING ABOVE ACCESSIBLE CEILINGS SHALL BE SUPPORTED VIA J-HOOK. J-HOOKS SHALL NOT EXCEED 5'-0" SPACING. ALL CABLING ABOVE INACCESSIBLE SPACES AND CEILINGS OPEN TO STRUCTURE SHALL BE IN CONDUIT.
- ALL EXPOSED RACEWAY SHALL BE PAINTED TO MATCH CEILING/WALL FINISH. CONTRACTOR SHALL USE APPROVED PAINT COLOR/TYPE.
- NEW CARBON MONOXIDE DETECTORS SHALL BE ADDRESSABLE AND BE CONNECTED TO THE BUILDING FIRE ALARM SYSTEM.

#### KEY NOTES:

- PROVIDE NEW SIMPLEX 4100ES VOICE EMERGENCY FIRE ALARM PANEL TO SERVE ALL NEW FIRE ALARM DEVICES, RELAYS, ETC. AS SHOWN ON NEW WORK PLANS. EXISTING SIMPLEX 4020 FIRE ALARM CONTROL PANEL TO REMAIN. RELOCATE EXISTING NAC PANEL AND DIALER AS REQUIRED FOR SYSTEM INSTALLATION MODIFICATIONS. INSTALL ALL FIRE ALARM WIRING AND COMPONENTS TO ENSURE THE FINAL INSTALLATION WORKS AS ONE SYSTEM. COORDINATE ANY SHUTDOWNS OF EXISTING FIRE ALARM SYSTEM WITH OWNER. REFER TO SPECIFICATION SECTION 284600 FOR A COMPLETE SCOPE OF WORK.
- IN DESIGNATED CEILING REPLACEMENT AREA, ELECTRICAL CONTRACTOR SHALL REINSTALL SALVAGED CEILING MOUNTED ELECTRICAL DEVICES SHOWN. RECONNECT EXISTING CABLING AND BRANCH CIRCUIT WIRING LEFT FROM DEMOLITION.
- EXISTING CEILING MOUNTED SYSTEM AND POWER DEVICES SHOWN IN THIS AREA ARE SHOWN FOR REFERENCE PURPOSES ONLY. SHOULD CEILING TILE BE REQUIRED TO BE REMOVED AS NOTED IN DEMOLITION DRAWING KEY NOTES, THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO TEMPORARILY SUPPORT OR REMOVE/REINSTALL THE EQUIPMENT.
- REFER TO EQUIPMENT WIRING SCHEDULE FOR CIRCUITING AND INSTALLATION OF EJECTOR PUMPS. INSTALL NEW DEVICES AND (1) NEW BRANCH CIRCUIT. RE-USE EXISTING BACK BOX AND BRANCH CIRCUIT FOR ONE PUMP.
- PROVIDE DUCT SMOKE DETECTOR AND FIRE ALARM RELAY TO SIGNAL MECHANICAL SMOKE DAMPER. PROVIDE 120V BRANCH CIRCUIT TO DAMPER ACTUATOR FROM NEAREST 120V RECEPTACLE CIRCUIT. WIRE WITH (2) #12, #12 GND. IN 1/2" CONDUIT.
- REFER TO ELECTRICAL ONE-LINE DIAGRAMS ON DRAWING HMS/E001 FOR NEW WORK REQUIRED FOR SECONDARY SERVICE ENTRANCE TO BUILDING. THE ELECTRICAL CONTRACTOR WILL BE RESPONSIBLE TO COORDINATE ALL WORK WITH UTILITY COMPANY.
- REFER TO NEW WORK ONE-LINE DIAGRAM ON DRAWING HMS/E001 FOR COMPLETE SERVICE ENTRANCE GEAR AND DISTRIBUTION EQUIPMENT LAYOUT. COORDINATE WORK WITH ALL TRADES FOR SCHEDULING AND TEMPORARY POWER NEEDED DURING SHUT DOWN OF SYSTEM. NEW SWITCHBOARD TO BE INSTALLED ALONG SAME WALL AS EXISTING EQUIPMENT. EXISTING UTILITY SECONDARY CONDUCTORS AND BRANCH FEEDERS TO BE DISCONNECTED, PULLED BACK, PROTECTED, AND RETERMINATED IN NEW EQUIPMENT. EXISTING PULL BOX ABOVE GEAR TO BE REWORKED OR REMOVED AND REPLACED TO ACCOMMODATE SIZE OF NEW EQUIPMENT. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE GEAR MANUFACTURER WITH ALL DIMENSIONED REQUIREMENTS NEEDED FOR INCOMING FEEDS. THE ELECTRICAL CONTRACTOR SHALL WORK WITH THE GENERAL CONTRACTOR, CONSTRUCTION MANAGER, AND OWNER TO SCHEDULE A WORKABLE PHASING SEQUENCE FOR DEMOLITION AND INSTALLATION OF ELECTRICAL GEAR AND THE PATHWAYS INTO AND OUT OF THE EXISTING ELECTRICAL ROOM.
- LOCATE REMOTE TEST SWITCH FOR DUCT SMOKE DETECTOR BELOW UNIT, RECESSED IN CEILING TILE.



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#### PROJECT INFORMATION

Project Number  
13940.18  
Client Name  
NEWBURGH ENLARGED CITY  
SCHOOL DISTRICT

#### PHASE 3: HERITAGE MIDDLE SCHOOL 2019 CAPITAL IMPROVEMENT PROJECT

Project Address  
405 Union Avenue, New Windsor, NY 12553

#### REVISION SCHEDULE

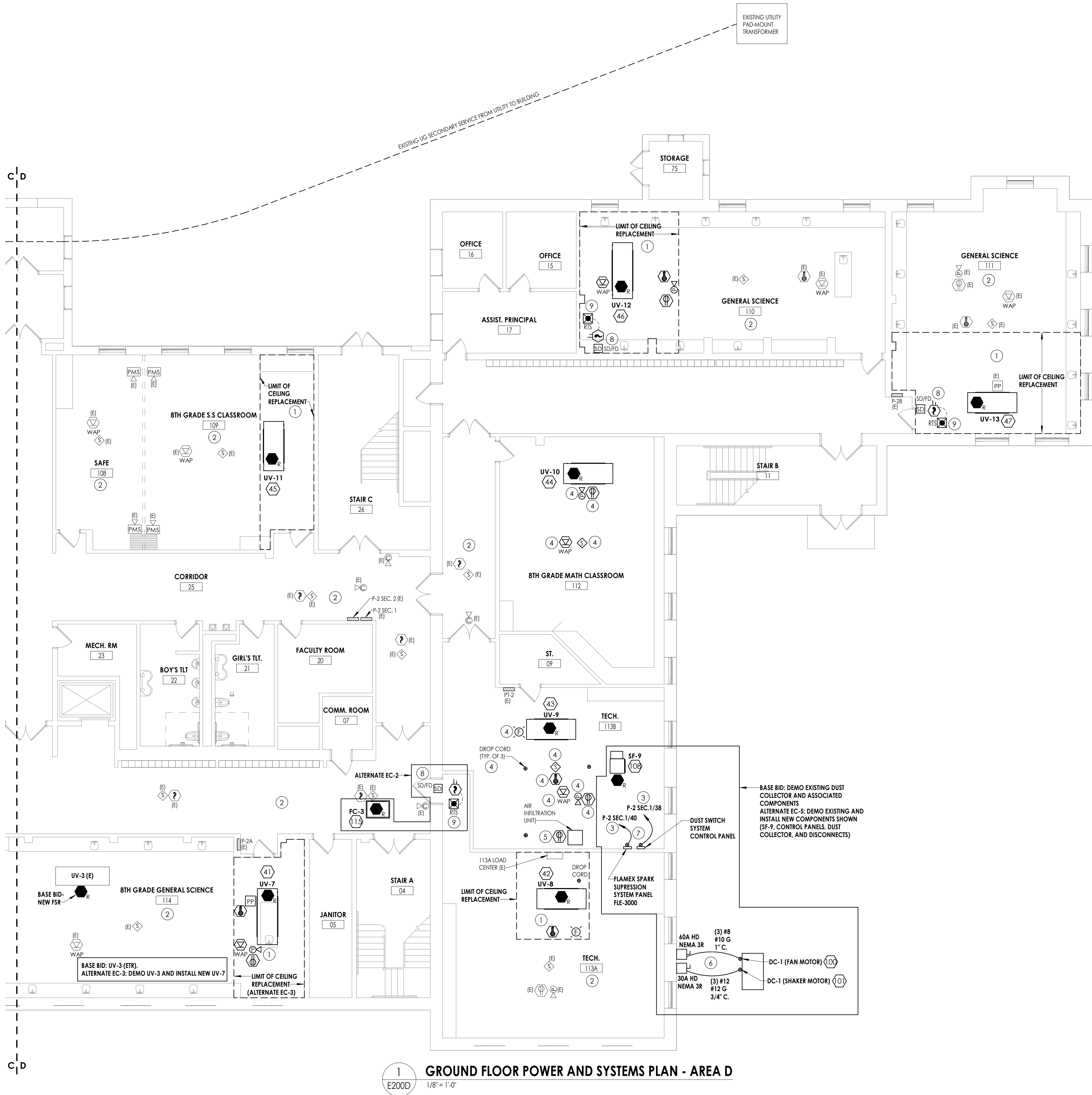
# Date Description

#### SHEET INFORMATION

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CONSTRUCTION DOCUMENTS  
Drawn By  
RJD  
Checked By  
ARM  
Drawing Title  
GROUND FLOOR POWER AND  
SYSTEMS PLAN - AREA C

HMS  
E200C

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E200D  
GROUND FLOOR POWER AND SYSTEMS PLAN - AREA D  
1/8" = 1'-0"

#### GENERAL NOTES:

- FIXTURES, DEVICES, AND EQUIPMENT LABELED AS "E" ARE EXISTING AND ARE SHOWN FOR REFERENCE ONLY. ALL OF THESE DEVICES SHALL REMAIN OPERATIONAL FOLLOWING CONSTRUCTION.
- EQUIPMENT DESIGNATED WITH A NUMBER INSIDE OF A HEXAGON ARE SCHEDULED ON DRAWING E900. REFER TO EQUIPMENT WIRING SCHEDULE FOR BREAKER AND CIRCUITING INFORMATION.
- DISCONNECT SWITCHES AND STARTER DEVICES ASSOCIATED WITH HVAC EQUIPMENT SHALL BE FURNISHED AND INSTALLED BY THE MECHANICAL CONTRACTOR. AND WIRED BY THE ELECTRICAL CONTRACTOR. INCLUDE AN ADDITIONAL 10' OF CIRCUITING IN PRICING FOR INSTANCES WHERE A DISCONNECT MAY NOT BE MOUNTED DIRECTLY ON UNIT. E.C. IS RESPONSIBLE TO WIRE BOTH LINE AND LOAD SIDES OF DISCONNECT.
- UPDATE PANELBOARD DIRECTORIES TO REFLECT CHANGES MADE TO CIRCUITS WITH LOAD(S) AND ROOM(S) SERVED. LABEL ANY UNUSED BREAKER AS SPARE AND TURN TO OFF POSITION.
- FIRE ALARM SCOPE OF THIS PROJECT INCLUDES INSTALLING A NEW SIMPLEX 4100ES PANEL TO SERVE NEW AND RENOVATED AREAS WHILE MAINTAINING EXISTING SIMPLEX 4020 PANEL. ALL EXISTING DEVICES REMOVED IN THE DEMOLITION PHASE OF THE PROJECT SHALL BE REMOVED FROM THE SYSTEM. PROGRAMMING OF THE 4020 PANEL. NEW INITIATION AND NOTIFICATION DEVICES SHOWN SHALL BE CONNECTED TO AND COMPATIBLE WITH THE NEW SIMPLEX 4100ES FIRE ALARM CONTROL PANEL LOCATED IN CUSTODIAN ROOM 50. PROVIDE NEW NOTIFICATION APPLIANCE CIRCUIT PANELS (WITH SMOKE DETECTOR WITHIN 5') WITH BATTERIES WHERE REQUIRED TO ACCOMMODATE NEW NOTIFICATION DEVICES. LOCATE SAID NAC PANEL IN A STORAGE OR ELEC/MECH ROOM. AND WIRE TO NEAREST AVAILABLE PANELBOARD WITH (2) #12. #12 GND. IN 3/4" CONDUIT. FOR PRICING PURPOSES, ASSUME 150' PER CIRCUIT. PROVIDE 20/1 CIRCUIT BREAKER AS REQUIRED.
- FIRE ALARM SPACING SHALL COMPLY WITH NFPA 72 REQUIREMENTS. ALL FIRE ALARM INITIATION DEVICES SHOWN SHALL NOT BE LOCATED IN DIRECT AIRFLOW PATH OR CLOSER THAN 3' OF AN AIR SUPPLY DIFFUSER OR RETURN AIR OPENING.
- THE OPERABLE PART OF PULL STATIONS SHALL BE MOUNTED MORE THAN 3'-6" BUT LESS THAN 4'-0" ABOVE FINISHED FLOOR.
- FOR PUBLIC MODE, WALL MOUNTED VISUALS AND AUDIBLE/VISUALS SHALL BE MOUNTED SUCH THAT THE ENTIRE LENS IS NOT LESS THAN 80" AND NOT GREATER THAN 96" ABOVE FINISHED FLOOR.
- THE MINIMUM REQUIRED CANDELA LEVEL IS INDICATED ADJACENT TO NEW VISUAL DEVICES. IF NOT INDICATED, MINIMUM ALLOWABLE SETTING IS 15 CANDELA.
- ACTIVATION OF BUILDING FIRE ALARM SYSTEM SHALL AUTOMATICALLY SHUT DOWN ALL FANS ASSOCIATED WITH HVAC UNITS IN THE BUILDING AS REQUIRED BY LOCAL, STATE, AND NATIONAL CODES. PROVIDE FIRE ALARM SHUT DOWN RELAYS IN EACH UNIT.
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#### KEY NOTES:

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- ALTERNATE: PROVIDE 20/1 BREAKER IN EXISTING PANELBOARD. PANEL IS A 225A CUTLER HAMMER PRL1 PANEL. INTERRUPTING RATING OF BREAKER SHALL MATCH THAT OF PANEL RATING.
- REINSTALL SALVAGED CEILING MOUNTED ELECTRICAL DEVICE FOLLOWING INSTALLATION OF NEW CEILING. RECONNECT ALL SYSTEM CABLING AND BRANCH CIRCUIT WIRING. TEST ALL DEVICES.
- PROVIDE 120V POWER FOR RELOCATED AIR INFILTRATION UNIT. PROVIDE HARD WIRED CONNECTION OR RECESSED RECEPTACLE IN CEILING TILE AS REQUIRED BY EQUIPMENT. WIRE TO EXISTING BRANCH CIRCUIT LEFT FROM DEMOLITION/REMOVAL OF UNIT. SPLICE AND EXTEND CIRCUIT WITH (2) #12. #12 GND. IN 1/2" CONDUIT.
- ALTERNATE: ELECTRICAL CONTRACTOR SHALL PROVIDE HEAVY DUTY DISCONNECTS FOR DUST COLLECTOR MOTORS AND PROVIDE ALL BRANCH CIRCUIT WIRING AND CONNECTIONS BETWEEN PANEL PT-2, DISCONNECTS, AND EQUIPMENT CONTROLLER(S). COORDINATE LOCATION OF DISCONNECT SWITCHES IN FIELD. ALL BUILDING PENETRATIONS SHALL BE SEALED WATERTIGHT.
- ALTERNATE EC-5: ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR 120V WIRING (AS NOTED) TO DUST SWITCH CONTROL PANEL AND FLAMEX SPARK SUPPRESSION PANEL. ALL LOW VOLTAGE CABLING AND CONNECTIONS TO SPARK DETECTORS, SOLENOIDS, VALVES, ETC. WILL BE THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR.
- PROVIDE DUCT SMOKE DETECTOR AND FIRE ALARM RELAY TO SIGNAL MECHANICAL SMOKE DAMPER. PROVIDE 120V BRANCH CIRCUIT TO DAMPER ACTUATOR FROM NEAREST 120V RECEPTACLE CIRCUIT. WIRE WITH (2) #12. #12 GND. IN 1/2" CONDUIT.
- LOCATE REMOTE TEST SWITCH FOR DUCT SMOKE DETECTOR BELOW UNIT, RECESSED IN CEILING TILE.



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**PHASE 3: HERITAGE MIDDLE  
SCHOOL 2019 CAPITAL  
IMPROVEMENT PROJECT**

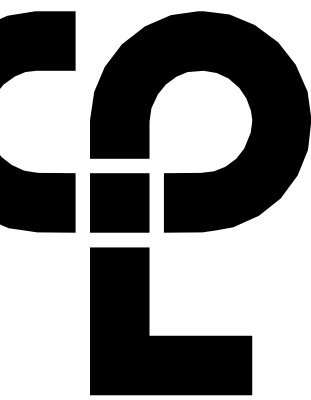
Project Address  
405 Union Avenue, New Windsor, NY 12553

#### REVISION SCHEDULE

# Date Description

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GROUND FLOOR POWER AND  
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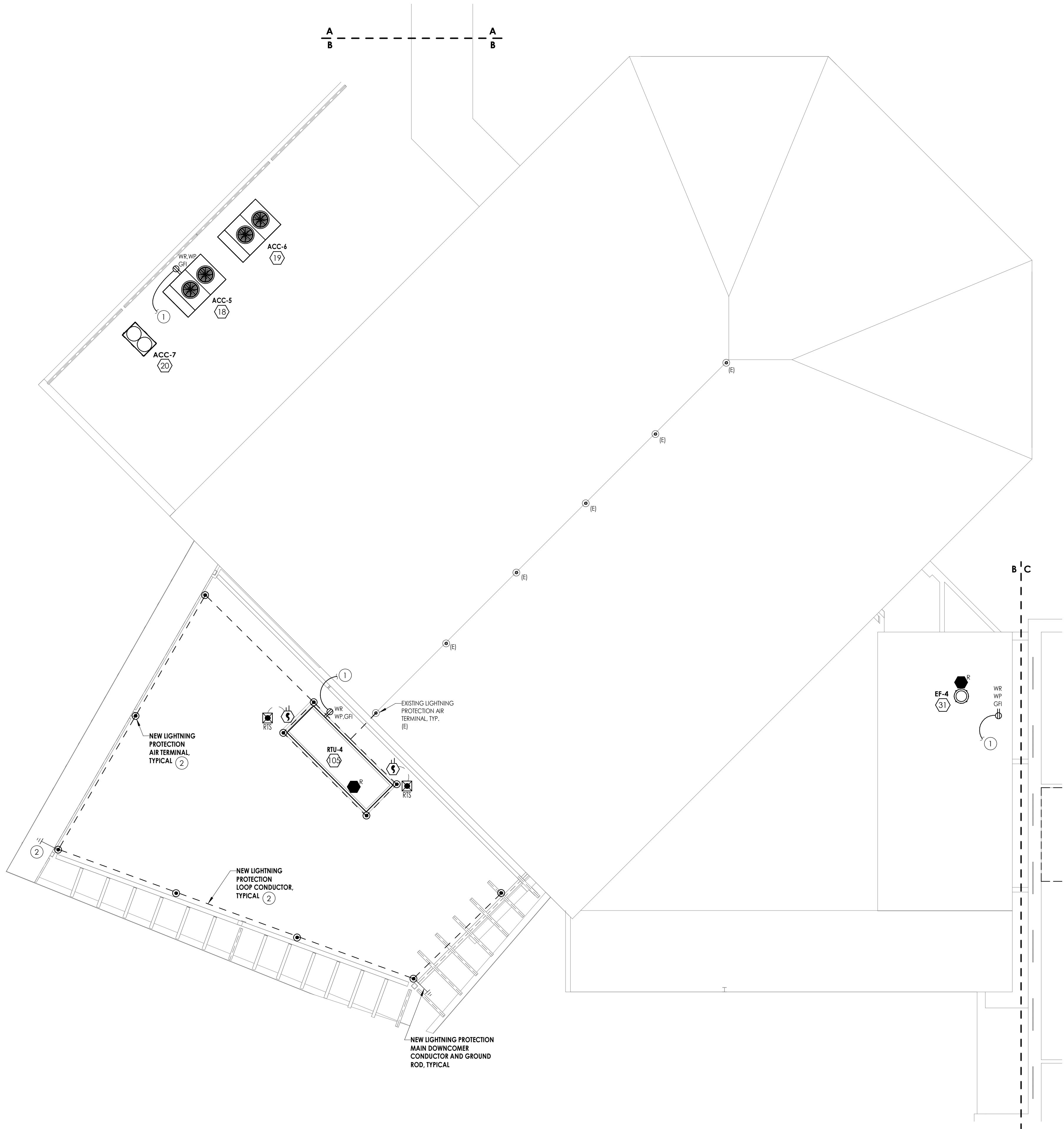




① WIRE NEW SERVICE RECEPTACLES TOGETHER AND CIRCUIT TO NEW PANEL P-10/14. WIRE WITH (2) #12, #12 GND IN 1/2" CONDUIT.



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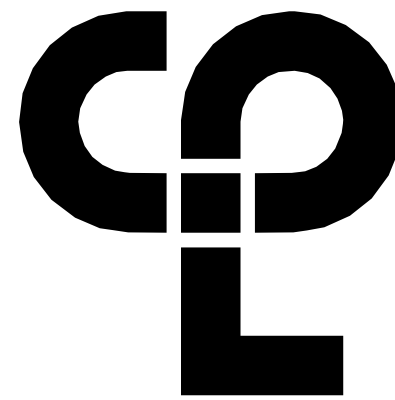
1 FIRST FLOOR OVERALL POWER AND SYSTEMS PLAN  
E201B 1/8" = 1'-0"

GENERAL NOTES:

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- THE OPERABLE PART OF PULL STATIONS SHALL BE MOUNTED MORE THAN 3'-6" BUT LESS THAN 4'-0" ABOVE FINISHED FLOOR.
- FOR PUBLIC MODE, WALL MOUNTED VISUALS AND AUDIBLE/VISUALS SHALL BE MOUNTED SUCH THAT THE ENTIRE LENS IS NOT LESS THAN 80" AND NOT GREATER THAN 96" ABOVE FINISHED FLOOR.
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- NEW CARBON MONOXIDE DETECTORS SHALL BE ADDRESSABLE AND BE CONNECTED TO THE BUILDING FIRE ALARM SYSTEM.

KEY NOTES:

- WIRE NEW GFI ROOFTOP SERVICE RECEPTACLE TO NEAREST 120V CONVENIENCE RECEPTACLE CIRCUIT IN CAFETERIA SPACE BELOW. WIRE WITH (2)#12, #12 GND. IN 1/2" CONDUIT.
- PROVIDE EXTENSION TO EXISTING LIGHTNING PROTECTION SYSTEM. INSTALLATION SHALL INCLUDE: AIR TERMINALS, MAIN CONDUCTORS (DOWNCOMERS, ROOF LOOP CONDUCTORS, CONNECTION CONDUCTORS, AND GROUND LOOP CONDUCTORS), GROUND RODS, AND ALL CONNECTIONS. DOWNCOMERS TO BE INSTALLED IN 1" PVC CONDUIT AND ARE TO BE CONCEALED WITHIN BUILDING BLOCK OR STRUCTURE. GROUND ROD TO BE 3/4" X 10' MINIMUM COPPER CLAD STEEL ROD, MINIMUM 2 FEET FROM BUILDING. STEEL FRAMING OF BUILDING SHALL BE TIED INTO LIGHTNING PROTECTION SYSTEM.



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PROJECT INFORMATION

Project Number  
13940.18  
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NEWBURGH ENLARGED CITY  
SCHOOL DISTRICT  
Project Name  
PHASE 3: HERITAGE MIDDLE  
SCHOOL 2019 CAPITAL  
IMPROVEMENT PROJECT

Project Address  
405 Union Avenue, New Windsor, NY 12553

REVISION SCHEDULE

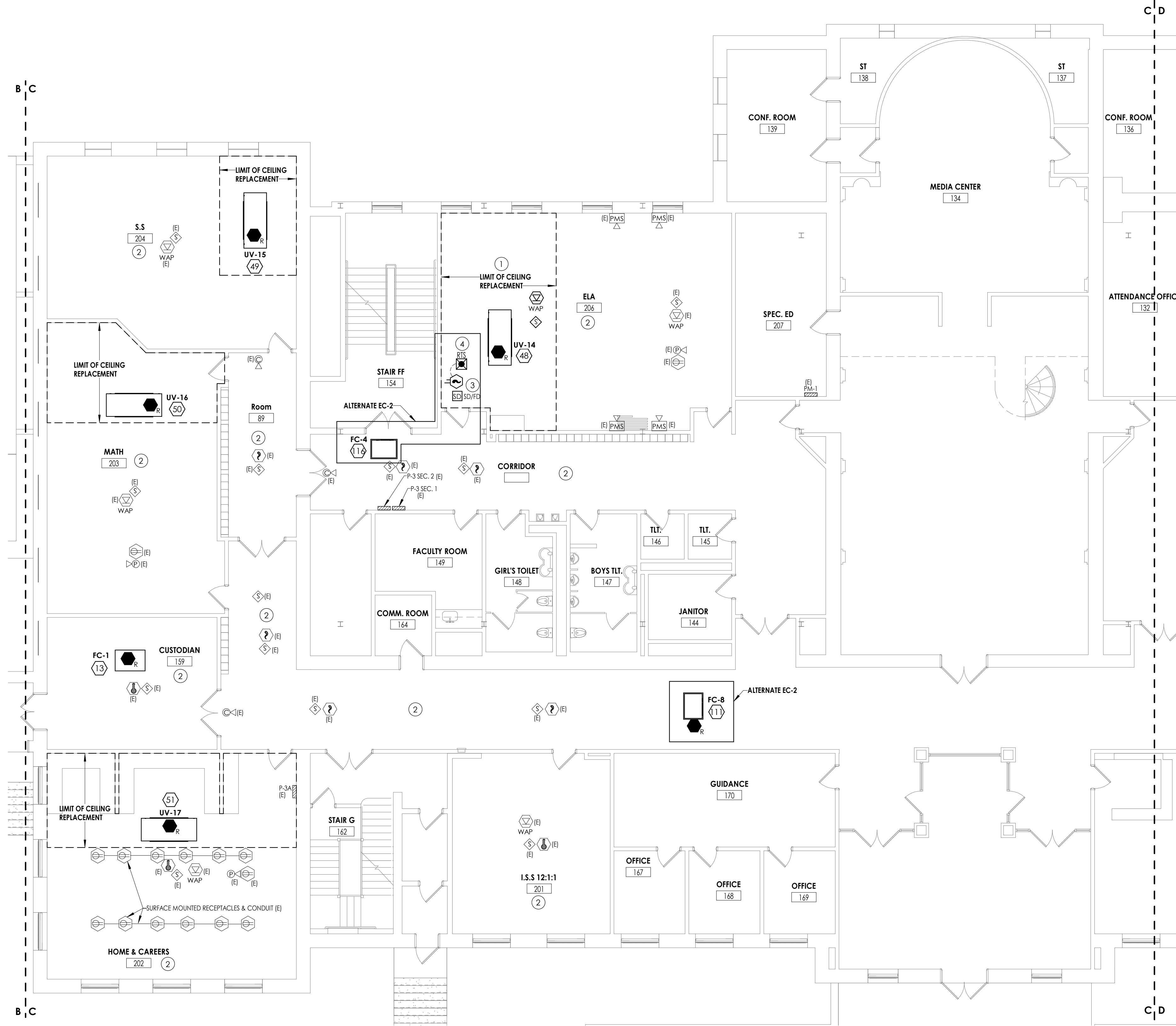
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SHEET INFORMATION

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09/06/2021  
CONSTRUCTION DOCUMENTS  
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RJD  
Checked By  
ARM  
Drawing Title  
FIRST FLOOR POWER AND  
SYSTEMS PLAN - AREA B

HMS  
E201B





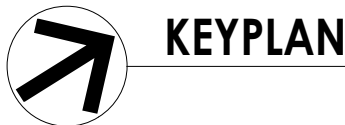
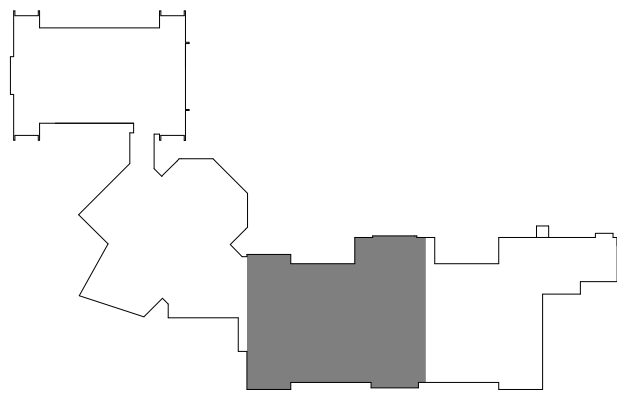
1 FIRST FLOOR POWER AND SYSTEMS PLAN - AREA C  
E201C 1/8" = 1'-0"

GENERAL NOTES:

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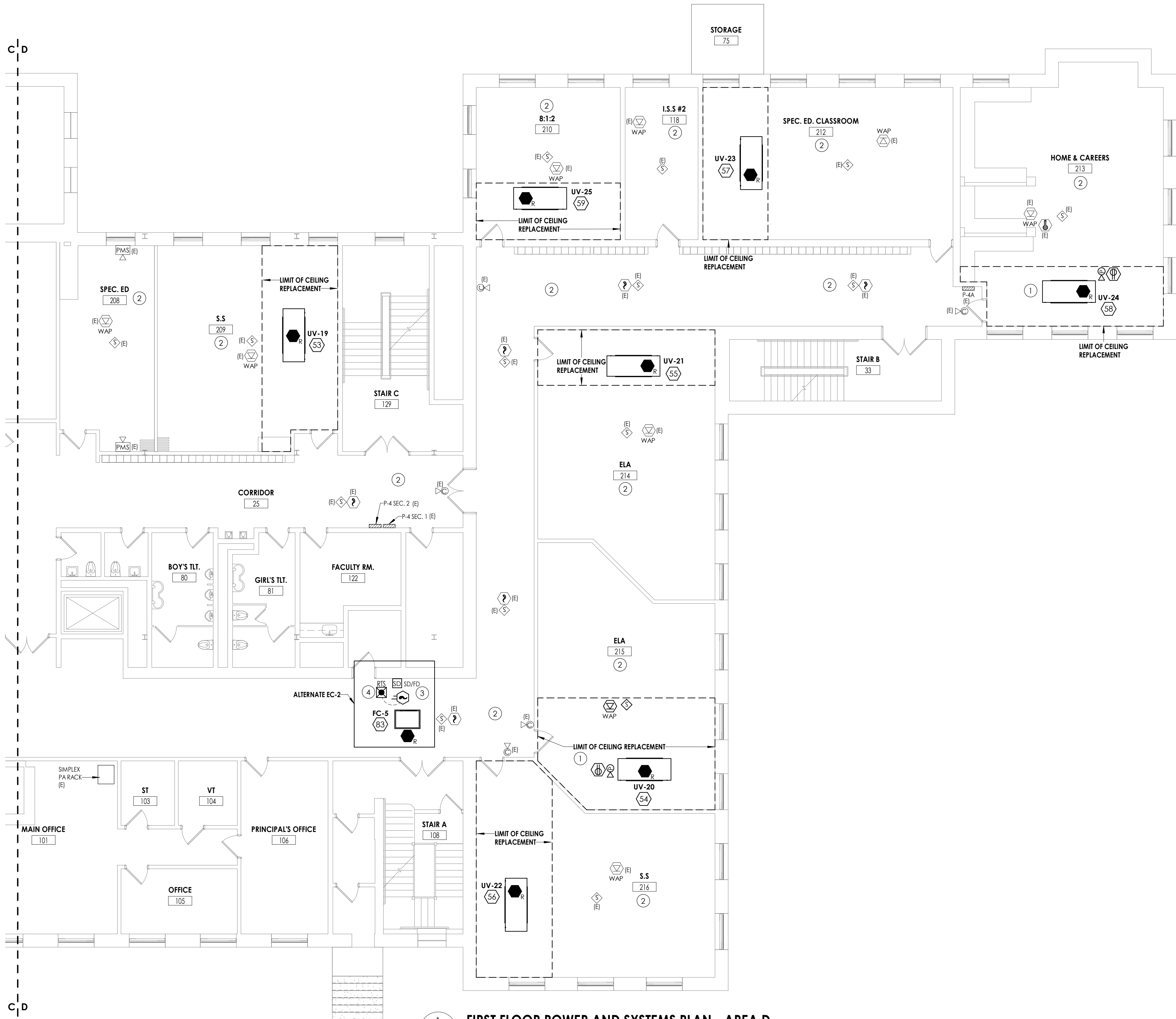
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FIRST FLOOR POWER AND  
SYSTEMS PLAN - AREA C



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E201D

**FIRST FLOOR POWER AND SYSTEMS PLAN - AREA D**

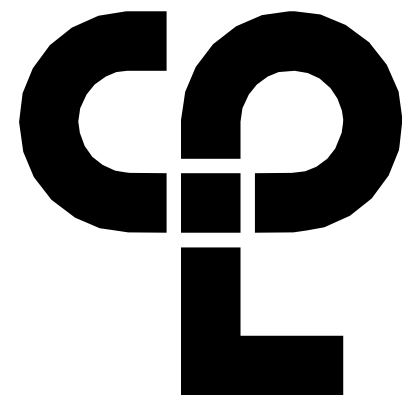
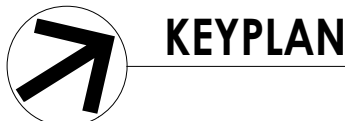
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- DISCONNECT SWITCHES AND STARTER DEVICES ASSOCIATED WITH HVAC EQUIPMENT SHALL BE FURNISHED AND INSTALLED BY THE MECHANICAL CONTRACTOR, AND WIRED BY THE ELECTRICAL CONTRACTOR. INCLUDE AN ADDITIONAL 10' OF CIRCUITING IN PRICING FOR INSTANCES WHERE A DISCONNECT MAY NOT BE MOUNTED DIRECTLY ON UNIT. E.C. IS RESPONSIBLE TO WIRE BOTH LINE AND LOAD SIDES OF DISCONNECT.
- UPDATE PANELBOARD DIRECTORIES TO REFLECT CHANGES MADE TO CIRCUITS WITH LOAD(S) AND ROOM(S) SERVED. LABEL ANY UNUSED BREAKER AS SPARE AND TURN TO OFF POSITION.
- FIRE ALARM SCOPE OF THIS PROJECT INCLUDES INSTALLING A NEW SIMPLEX 4100ES PANEL TO SERVE NEW AND RENOVATED AREAS WHILE MAINTAINING EXISTING SIMPLEX 4020 PANEL. ALL EXISTING DEVICES REMOVED IN THE DEMOLITION PHASE OF THE PROJECT SHALL BE REMOVED FROM THE SYSTEM PROGRAMMING OF THE 4020 PANEL. NEW INITIATION AND NOTIFICATION DEVICES SHOWN SHALL BE CONNECTED TO AND COMPATIBLE WITH THE NEW SIMPLEX 4100ES FIRE ALARM CONTROL PANEL LOCATED IN CUSTODIAN ROOM 50. PROVIDE NEW NOTIFICATION APPLIANCE CIRCUIT PANELS (WITH SMOKE DETECTOR WITHIN 5') WITH BATTERIES WHERE REQUIRED TO ACCOMMODATE NEW NOTIFICATION DEVICES. LOCATE SAID NAC PANEL IN A STORAGE OR ELEC/MECH ROOM, AND WIRE TO NEAREST AVAILABLE PANELBOARD WITH (2) #12, #12 GND. IN 3/4" CONDUIT. FOR PRICING PURPOSES, ASSUME 150' PER CIRCUIT. PROVIDE 20/1 CIRCUIT BREAKER AS REQUIRED.
- FIRE ALARM SPACING SHALL COMPLY WITH NFPA 72 REQUIREMENTS. ALL FIRE ALARM INITIATION DEVICES SHOWN SHALL NOT BE LOCATED IN DIRECT AIRFLOW PATH OR CLOSER THAN 3' OF AN AIR SUPPLY DIFFUSER OR RETURN AIR OPENING.
- THE OPERABLE PART OF PULL STATIONS SHALL BE MOUNTED MORE THAN 3'-6" BUT LESS THAN 4'-0" ABOVE FINISHED FLOOR.
- FOR PUBLIC MODE, WALL MOUNTED VISUALS AND AUDIBLE/VISUALS SHALL BE MOUNTED SUCH THAT THE ENTIRE LENS IS NOT LESS THAN 80" AND NOT GREATER THAN 96" ABOVE FINISHED FLOOR.
- THE MINIMUM REQUIRED CANDELA LEVEL IS INDICATED ADJACENT TO NEW VISUAL DEVICES. IF NOT INDICATED, MINIMUM ALLOWABLE SETTING IS 15 CANDELA.
- ACTIVATION OF BUILDING FIRE ALARM SYSTEM SHALL AUTOMATICALLY SHUT DOWN ALL FANS ASSOCIATED WITH HVAC UNITS IN THE BUILDING AS REQUIRED BY LOCAL, STATE, AND NATIONAL CODES. PROVIDE FIRE ALARM SHUT DOWN DELAYS IN EACH UNIT.
- FINAL TESTING OF FIRE ALARM SYSTEM SHALL COMPLY WITH ALL NFPA 72 REQUIREMENTS. ANY ALTERED CIRCUIT(S) SHALL HAVE ALL FIRE ALARM INITIATION DEVICES TESTED IN THEIR ENTIRETY AND 10% OF NEIGHBORING ZONE/LOOP DEVICES.
- PROVIDE 8" ROUND, FLUSH MOUNTED, WHITE CEILING SPEAKERS WHERE SHOWN. NEW SPEAKERS SHALL BE CONNECTED TO AND COMPATIBLE WITH EXISTING BUILDING PUBLIC ADDRESS SYSTEM. EXPAND EXISTING SYSTEM WITH ADDITIONAL AMPLIFIERS AS REQUIRED AT HEAD END LOCATION FOR A COMPLETE OPERATIONAL SYSTEM. COORDINATE EXACT REQUIREMENTS WITH OWNER.
- ALL CABLING ABOVE ACCESSIBLE CEILINGS SHALL BE SUPPORTED VIA J-HOOK. J-HOOKS SHALL NOT EXCEED 5'-0" SPACING. ALL CABLING ABOVE INACCESSIBLE SPACES AND CEILINGS OPEN TO STRUCTURE SHALL BE IN CONDUIT.
- ALL EXPOSED RACEWAY SHALL BE PAINTED TO MATCH CEILING/WALL FINISH. CONTRACTOR SHALL USE APPROVED PAINT COLOR/TYPE.
- NEW CARBON MONOXIDE DETECTORS SHALL BE ADDRESSABLE AND BE CONNECTED TO THE BUILDING FIRE ALARM SYSTEM.

**KEY NOTES:**

- IN DESIGNATED CEILING REPLACEMENT AREA, ELECTRICAL CONTRACTOR SHALL REINSTALL SALVAGED CEILING MOUNTED ELECTRICAL DEVICES SHOWN. RECONNECT EXISTING CABLING AND BRANCH CIRCUIT WIRING LEFT FROM DEMOLITION.
- EXISTING CEILING MOUNTED SYSTEM AND POWER DEVICES SHOWN IN THIS AREA ARE SHOWN FOR REFERENCE PURPOSES ONLY. SHOULD CEILING TILE BE REQUIRED TO BE REMOVED AS NOTED IN DEMOLITION DRAWING KEY NOTES, THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO TEMPORARILY SUPPORT OR REMOVE/REINSTALL THE EQUIPMENT.
- PROVIDE DUCT SMOKE DETECTOR AND FIRE ALARM RELAY TO SIGNAL MECHANICAL SMOKE DAMPER. PROVIDE 120V BRANCH CIRCUIT TO DAMPER ACTUATOR FROM NEAREST 120V RECEPTACLE CIRCUIT. WIRE WITH (2) #12, #12 GND. IN 1/2" CONDUIT.
- LOCATE REMOTE TEST SWITCH FOR DUCT SMOKE DETECTOR BELOW UNIT, RECESSED IN CEILING TILE.



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NEWBURGH, NY 12550  
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**PROJECT INFORMATION**

Project Number  
13940.18  
Client Name  
**NEWBURGH ENLARGED CITY  
SCHOOL DISTRICT**  
Project Name  
**PHASE 3: HERITAGE MIDDLE  
SCHOOL 2019 CAPITAL  
IMPROVEMENT PROJECT**

Project Address  
405 Union Avenue, New Windsor, NY 12553

**REVISION SCHEDULE**

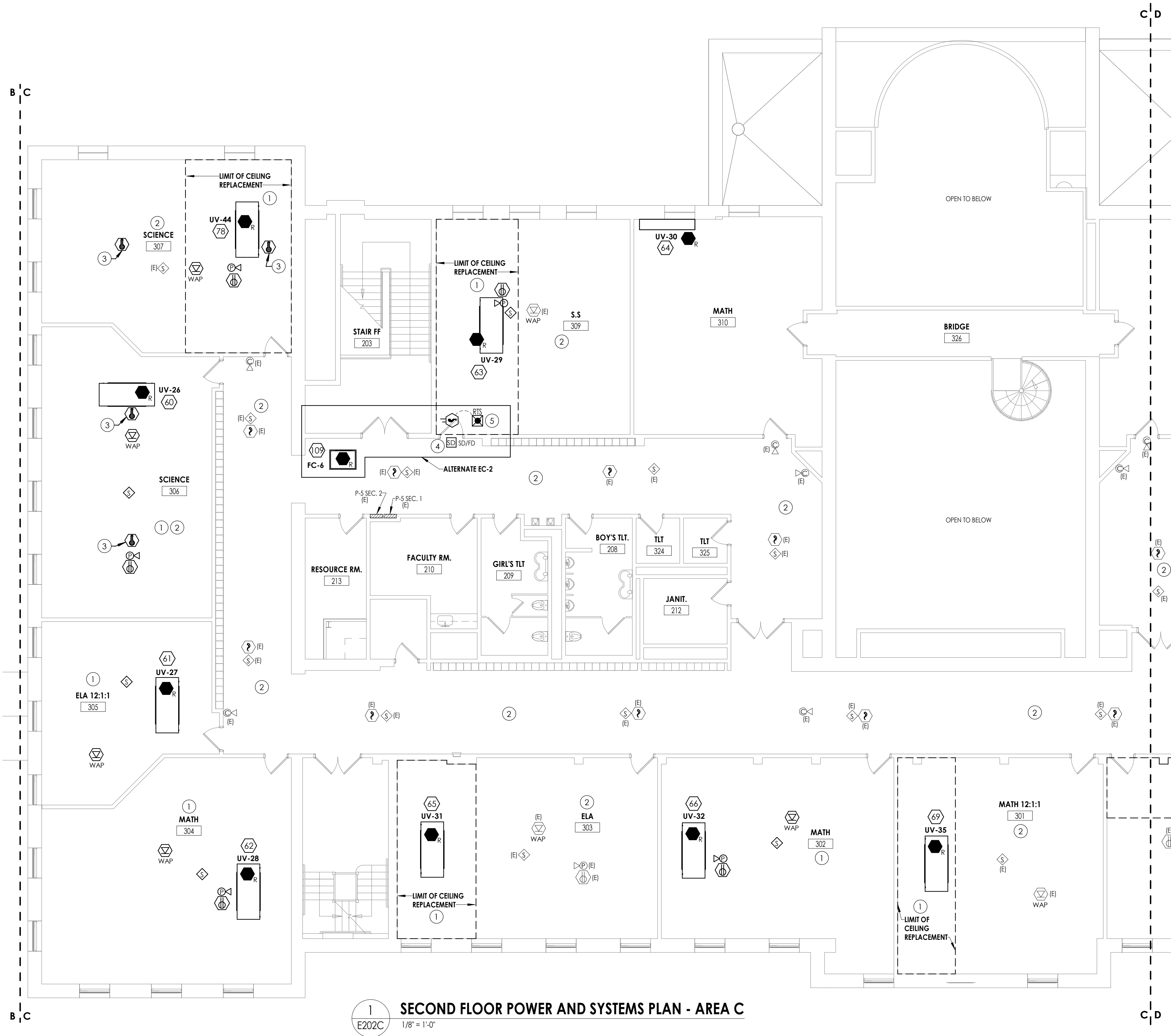
# Date Description

**SHEET INFORMATION**

Issued  
09/06/2021  
CONSTRUCTION DOCUMENTS  
Drawn By  
RJD  
Checked By  
ARM  
Drawing Title  
**FIRST FLOOR POWER AND  
SYSTEMS PLAN - AREA D**

HMS  
E201D





1  
E202C  
1/8" = 1'-0"

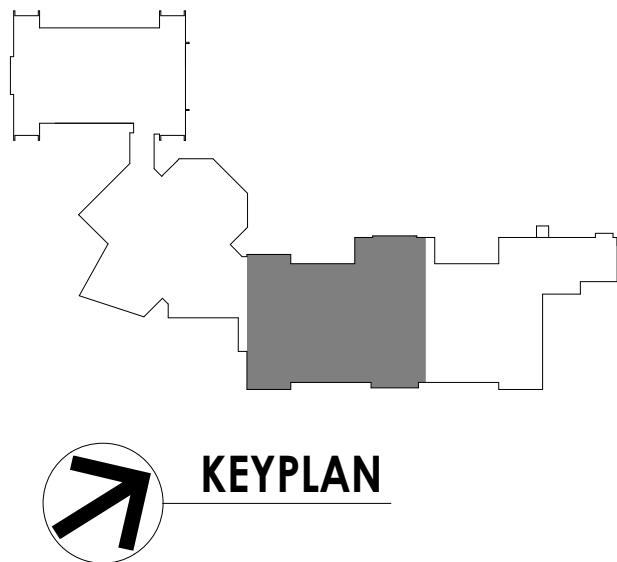
**SECOND FLOOR POWER AND SYSTEMS PLAN - AREA C**

**GENERAL NOTES:**

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- LOCATE REMOTE TEST SWITCH FOR DUCT SMOKE DETECTOR BELOW UNIT, RECESSED IN CEILING TILE.



**PROJECT INFORMATION**

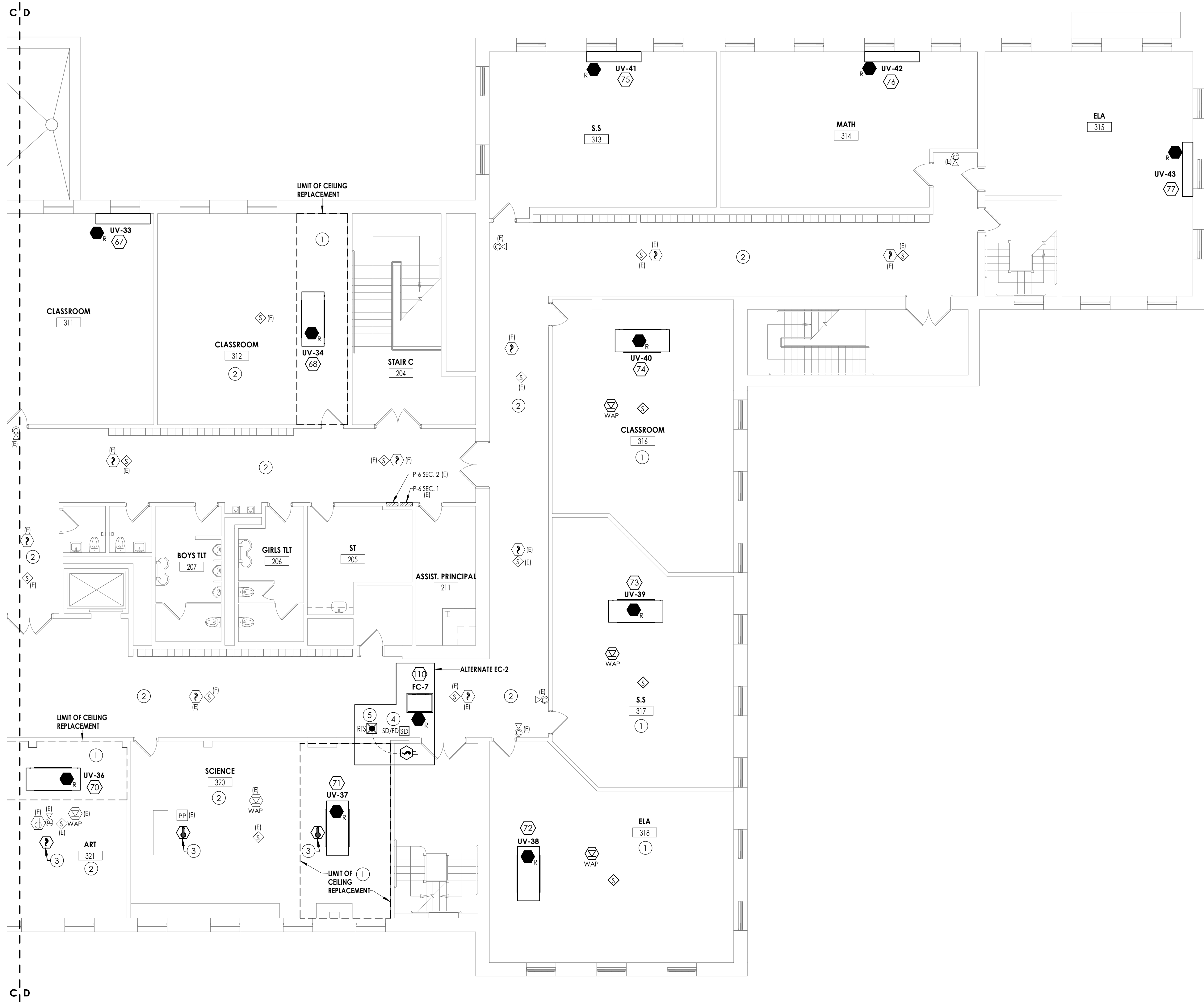
Project Number  
13940.18  
Client Name  
**NEWBURGH ENLARGED CITY  
SCHOOL DISTRICT**  
Project Name  
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SCHOOL 2019 CAPITAL  
IMPROVEMENT PROJECT**  
Project Address  
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**REVISION SCHEDULE**

#	Date	Description
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**SHEET INFORMATION**

Issued  
09/06/2021  
CONSTRUCTION DOCUMENTS  
Drawn By  
RJD  
Checked By  
ARM  
Drawing Title  
SECOND FLOOR POWER AND  
SYSTEMS PLAN - AREA C



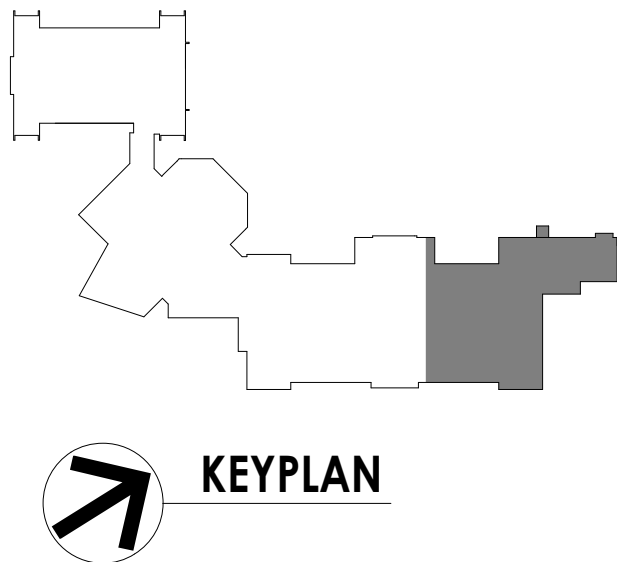
1 SECOND FLOOR POWER AND SYSTEMS PLAN - AREA D  
E202D 1/8" = 1'-0"

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PROJECT INFORMATION

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13940.18  
Client Name  
**NEWBURGH ENLARGED CITY  
SCHOOL DISTRICT**  
Project Name  
**PHASE 3: HERITAGE MIDDLE  
SCHOOL 2019 CAPITAL  
IMPROVEMENT PROJECT**  
Project Address  
405 Union Avenue, New Windsor, NY 12553

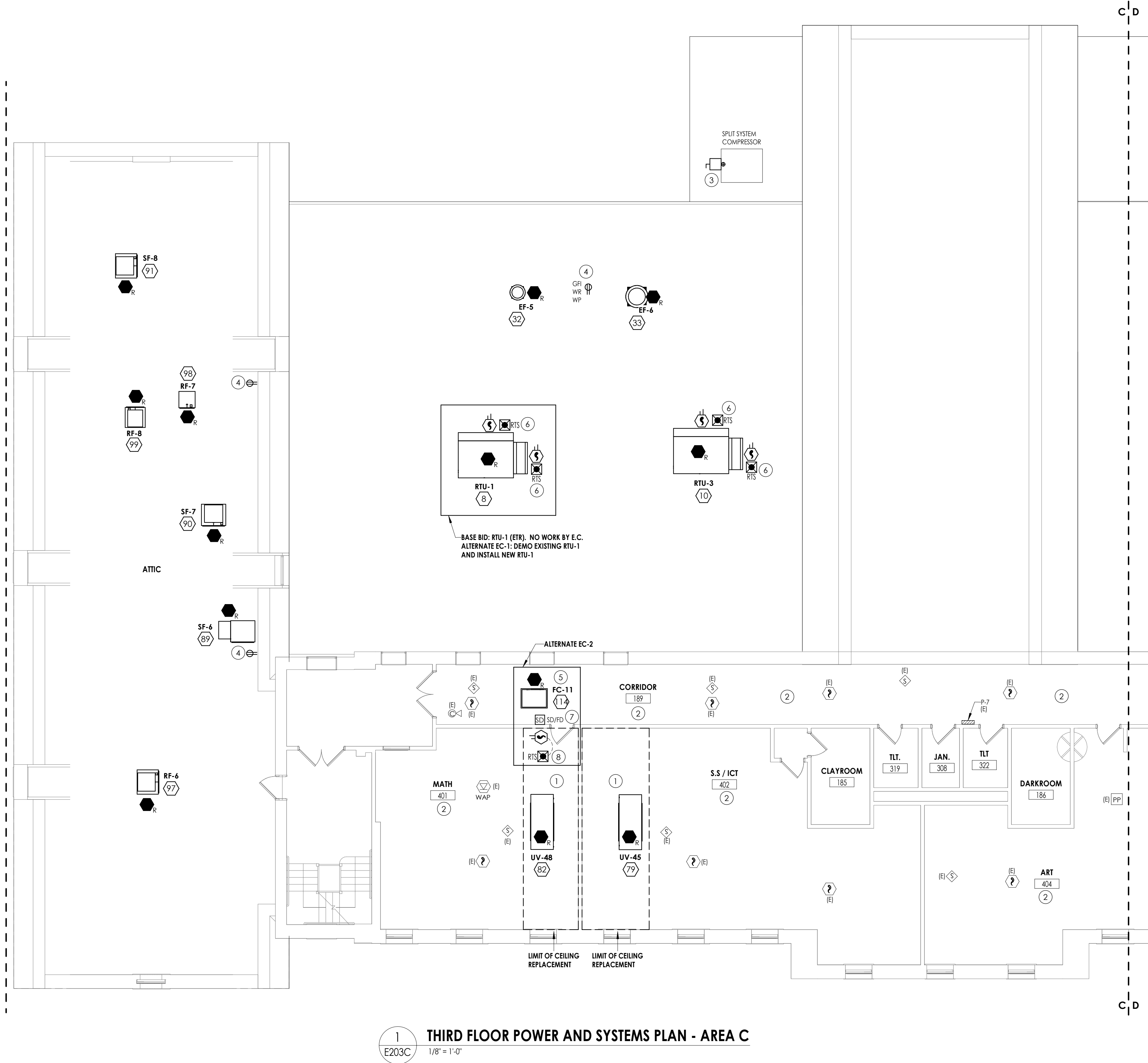
REVISION SCHEDULE

# Date Description

SHEET INFORMATION

Issued  
09/06/2021  
CONSTRUCTION DOCUMENTS  
Drawn By  
RJD  
Checked By  
ARM  
Drawing Title  
SECOND FLOOR POWER AND  
SYSTEMS PLAN - AREA D





1  
E203C  
1/8" = 1'-0"

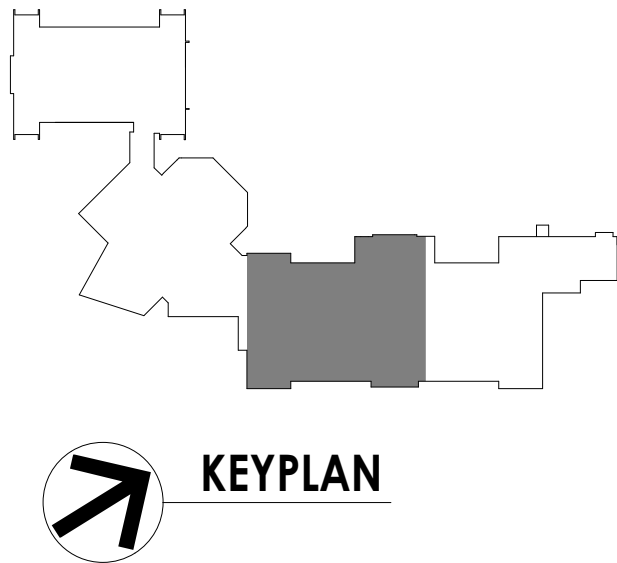
**THIRD FLOOR POWER AND SYSTEMS PLAN - AREA C**

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- FOLLOWING ROOFING WORK AND EQUIPMENT REINSTALLATION BY OTHERS, ELECTRICAL CONTRACTOR SHALL TERMINATE EXISTING BRANCH CIRCUIT WIRING ON LINE AND LOAD SIDES OF HVAC EQUIPMENT. SPLICE AND EXTEND BRANCH CIRCUIT WITH MATCHING SIZE MATERIALS IF NEEDED TO REACH TERMINATION POINT OF NEW UNIT.
- INSTALL SERVICE RECEPTACLE FOR NEW HVAC EQUIPMENT. COORDINATE EXACT LOCATION IN FIELD TO MEET NEC 210.63. WIRE RECEPTACLES TOGETHER WITH (2) #12, #12 G. IN 1/2" CONDUIT AND WIRE TO PANEL P-11, CIRCUIT 26.
- WIRE NEW FAN COIL UNIT TO BRANCH CIRCUIT WIRING LEFT FROM DEMOLITION OF HVAC UNIT. SPLICE AND EXTEND EXISTING CIRCUIT AS REQUIRED WITH (2) #12, #12 GND. IN 1/2" CONDUIT TO REACH TERMINATION POINT OF NEW UNIT.
- LOCATE REMOTE TEST SWITCHES FOR ROOFTOP UNIT DUCT SMOKE DETECTOR IN ACCESSIBLE SPACE BELOW UNIT. RECESS MOUNT IN DROP CEILING TILE OR WALL MOUNT IN JANITOR CLOSET/STORAGE ROOM TYPE SPACE. LABEL SWITCHES WITH UNIT NAME AND SUPPLY/RETURN DESIGNATION.
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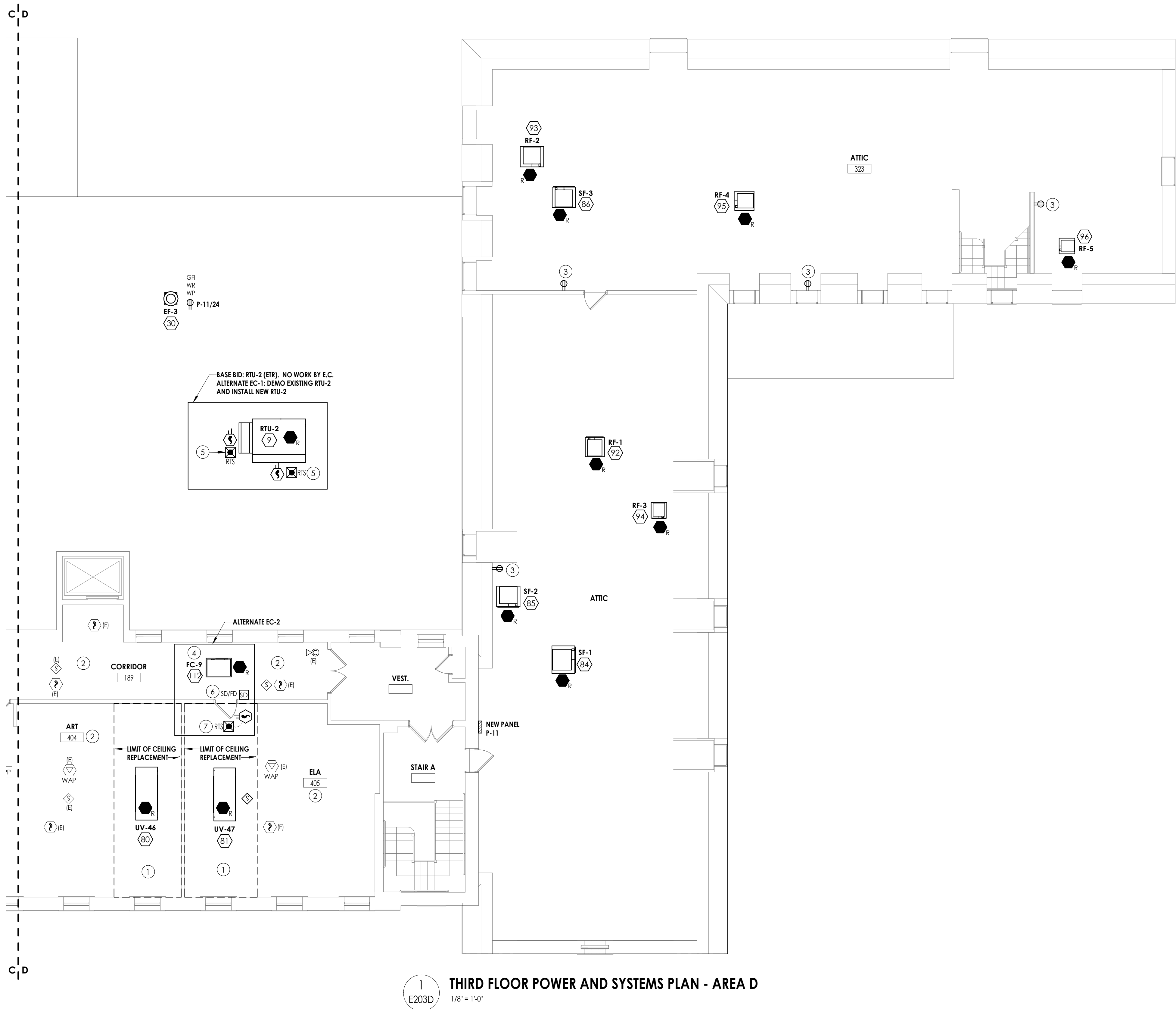
Project Number  
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Project Name  
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Project Address  
405 Union Avenue, New Windsor, NY 12553

**REVISION SCHEDULE**

# Date Description

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CONSTRUCTION DOCUMENTS  
Drawn By  
RJD  
Checked By  
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Drawing Title  
**THIRD FLOOR POWER AND SYSTEMS PLAN - AREA C**



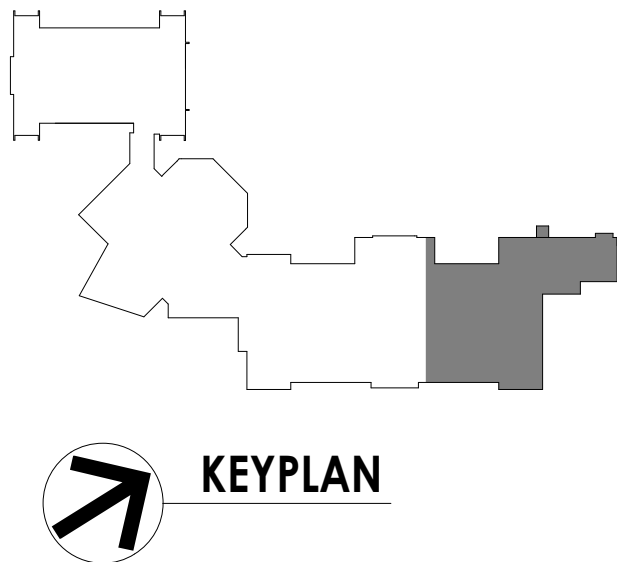
1  
E203D  
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- FIXTURES, DEVICES, AND EQUIPMENT LABELED AS "E" ARE EXISTING AND ARE SHOWN FOR REFERENCE ONLY. ALL OF THESE DEVICES SHALL REMAIN OPERATIONAL FOLLOWING CONSTRUCTION.
- EQUIPMENT DESIGNATED WITH A NUMBER INSIDE OF A HEXAGON ARE SCHEDULED ON DRAWING E900. REFER TO EQUIPMENT WIRING SCHEDULE FOR BREAKER AND CIRCUITING INFORMATION.
- DISCONNECT SWITCHES AND STARTER DEVICES ASSOCIATED WITH HVAC EQUIPMENT SHALL BE FURNISHED AND INSTALLED BY THE MECHANICAL CONTRACTOR, AND WIRED BY THE ELECTRICAL CONTRACTOR. INCLUDE AN ADDITIONAL 10' OF CIRCUITING IN PRICING FOR INSTANCES WHERE A DISCONNECT MAY NOT BE MOUNTED DIRECTLY ON UNIT. E.C. IS RESPONSIBLE TO WIRE BOTH LINE AND LOAD SIDES OF DISCONNECT.
- UPDATE PANELBOARD DIRECTORIES TO REFLECT CHANGES MADE TO CIRCUITS WITH LOAD(S) AND ROOM(S) SERVED. LABEL ANY UNUSED BREAKER AS SPARE AND TURN TO OFF POSITION.
- FIRE ALARM SCOPE OF THIS PROJECT INCLUDES INSTALLING A NEW SIMPLEX 4100ES PANEL TO SERVE NEW AND RENOVATED AREAS WHILE MAINTAINING EXISTING SIMPLEX 4020 PANEL. ALL EXISTING DEVICES REMOVED IN THE DEMOLITION PHASE OF THE PROJECT SHALL BE REMOVED FROM THE SYSTEM PROGRAMMING OF THE 4020 PANEL. NEW INITIATION AND NOTIFICATION DEVICES SHOWN SHALL BE CONNECTED TO AND COMPATIBLE WITH THE NEW SIMPLEX 4100ES FIRE ALARM CONTROL PANEL LOCATED IN CUSTODIAN ROOM 50. PROVIDE NEW NOTIFICATION APPLIANCE CIRCUIT PANELS (WITH SMOKE DETECTOR WITHIN 5') WITH BATTERIES WHERE REQUIRED TO ACCOMMODATE NEW NOTIFICATION DEVICES. LOCATE SAID NAC PANEL IN A STORAGE OR ELEC/MECH ROOM, AND WIRE TO NEAREST AVAILABLE PANELBOARD WITH (2) #12, #12 GND. IN 3/4" CONDUIT. FOR PRICING PURPOSES, ASSUME 150' PER CIRCUIT. PROVIDE 20/1 CIRCUIT BREAKER AS REQUIRED.
- FIRE ALARM SPACING SHALL COMPLY WITH NFPA 72 REQUIREMENTS. ALL FIRE ALARM INITIATION DEVICES SHOWN SHALL NOT BE LOCATED IN DIRECT AIRFLOW PATH OR CLOSER THAN 3' OF AN AIR SUPPLY DIFFUSER OR RETURN AIR OPENING.
- THE OPERABLE PART OF PULL STATIONS SHALL BE MOUNTED MORE THAN 3'-6" BUT LESS THAN 4'-0" ABOVE FINISHED FLOOR.
- FOR PUBLIC MODE, WALL MOUNTED VISUALS AND AUDIBLE/VISUALS SHALL BE MOUNTED SUCH THAT THE ENTIRE LENS IS NOT LESS THAN 80" AND NOT GREATER THAN 96" ABOVE FINISHED FLOOR.
- THE MINIMUM REQUIRED CANDELA LEVEL IS INDICATED ADJACENT TO NEW VISUAL DEVICES. IF NOT INDICATED, MINIMUM ALLOWABLE SETTING IS 15 CANDELA.
- ACTIVATION OF BUILDING FIRE ALARM SYSTEM SHALL AUTOMATICALLY SHUT DOWN ALL FANS ASSOCIATED WITH HVAC UNITS IN THE BUILDING AS REQUIRED BY LOCAL, STATE, AND NATIONAL CODES. PROVIDE FIRE ALARM SHUT DOWN RELAYS IN EACH UNIT.
- FINAL TESTING OF FIRE ALARM SYSTEM SHALL COMPLY WITH ALL NFPA 72 REQUIREMENTS. ANY ALTERED CIRCUIT(S) SHALL HAVE ALL FIRE ALARM INITIATION DEVICES TESTED IN THEIR ENTIRETY AND 10% OF NEIGHBORING ZONE/LOOP DEVICES.
- PROVIDE 8" ROUND, FLUSH MOUNTED, WHITE CEILING SPEAKERS WHERE SHOWN. NEW SPEAKERS SHALL BE CONNECTED TO AND COMPATIBLE WITH EXISTING BUILDING PUBLIC ADDRESS SYSTEM. EXPAND EXISTING SYSTEM WITH ADDITIONAL AMPLIFIERS AS REQUIRED AT HEAD END LOCATION FOR A COMPLETE OPERATIONAL SYSTEM. COORDINATE EXACT REQUIREMENTS WITH OWNER.
- ALL CABLING ABOVE ACCESSIBLE CEILINGS SHALL BE SUPPORTED VIA J-HOOK. J-HOOKS SHALL NOT EXCEED 5'-0" SPACING. ALL CABLING ABOVE INACCESSIBLE SPACES AND CEILINGS OPEN TO STRUCTURE SHALL BE IN CONDUIT.
- ALL EXPOSED RACEWAY SHALL BE PAINTED TO MATCH CEILING/WALL FINISH. CONTRACTOR SHALL USE APPROVED PAINT COLOR/TYPE.
- NEW CARBON MONOXIDE DETECTORS SHALL BE ADDRESSABLE AND BE CONNECTED TO THE BUILDING FIRE ALARM SYSTEM.

KEY NOTES:

- IN DESIGNATED CEILING REPLACEMENT AREA, ELECTRICAL CONTRACTOR SHALL REINSTALL SALVAGED CEILING MOUNTED ELECTRICAL DEVICES SHOWN. RECONNECT EXISTING CABLING AND BRANCH CIRCUIT WIRING LEFT FROM DEMOLITION.
- EXISTING CEILING MOUNTED SYSTEM AND POWER DEVICES SHOWN IN THIS AREA ARE SHOWN FOR REFERENCE PURPOSES ONLY. SHOULD CEILING TILE BE REQUIRED TO BE REMOVED AS NOTED IN DEMOLITION DRAWING KEY NOTES, THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO TEMPORARILY SUPPORT OR REMOVE/REINSTALL THE EQUIPMENT.
- INSTALL SERVICE RECEPTACLE FOR NEW HVAC EQUIPMENT. COORDINATE EXACT LOCATION IN FIELD TO MEET NEC 210.63. WIRE RECEPTACLES TOGETHER WITH (2) #12, #12 G. IN 1/2" CONDUIT AND WIRE TO PANEL P-11, CIRCUIT 26.
- WIRE NEW FAN COIL UNIT TO BRANCH CIRCUIT WIRING LEFT FROM DEMOLITION OF HVAC UNIT. SPlice AND EXTEND EXISTING CIRCUIT AS REQUIRED WITH (2) #12, #12 GND. IN 1/2" CONDUIT TO REACH TERMINATION POINT OF NEW UNIT.
- LOCATE REMOTE TEST SWITCHES FOR ROOFTOP UNIT DUCT SMOKE DETECTOR IN ACCESSIBLE SPACE BELOW UNIT. RECESS MOUNT IN DROP CEILING TILE OR WALL MOUNT IN JANITOR CLOSET/STORAGE ROOM TYPE SPACE. LABEL SWITCHES WITH UNIT NAME AND SUPPLY/RETURN DESIGNATION.
- PROVIDE DUCT SMOKE DETECTOR AND FIRE ALARM RELAY TO SIGNAL MECHANICAL SMOKE DAMPER. PROVIDE 120V BRANCH CIRCUIT TO DAMPER ACTUATOR FROM NEAREST 120V RECEPTACLE CIRCUIT. WIRE WITH (2) #12, #12 GND. IN 1/2" CONDUIT.
- LOCATE REMOTE TEST SWITCH FOR DUCT SMOKE DETECTOR BELOW UNIT. RECESSED IN CEILING TILE.



PROJECT INFORMATION

Project Number  
13940.18  
Client Name  
**NEWBURGH ENLARGED CITY  
SCHOOL DISTRICT**  
Project Name  
**PHASE 3: HERITAGE MIDDLE  
SCHOOL 2019 CAPITAL  
IMPROVEMENT PROJECT**

Project Address  
405 Union Avenue, New Windsor, NY 12553

REVISION SCHEDULE

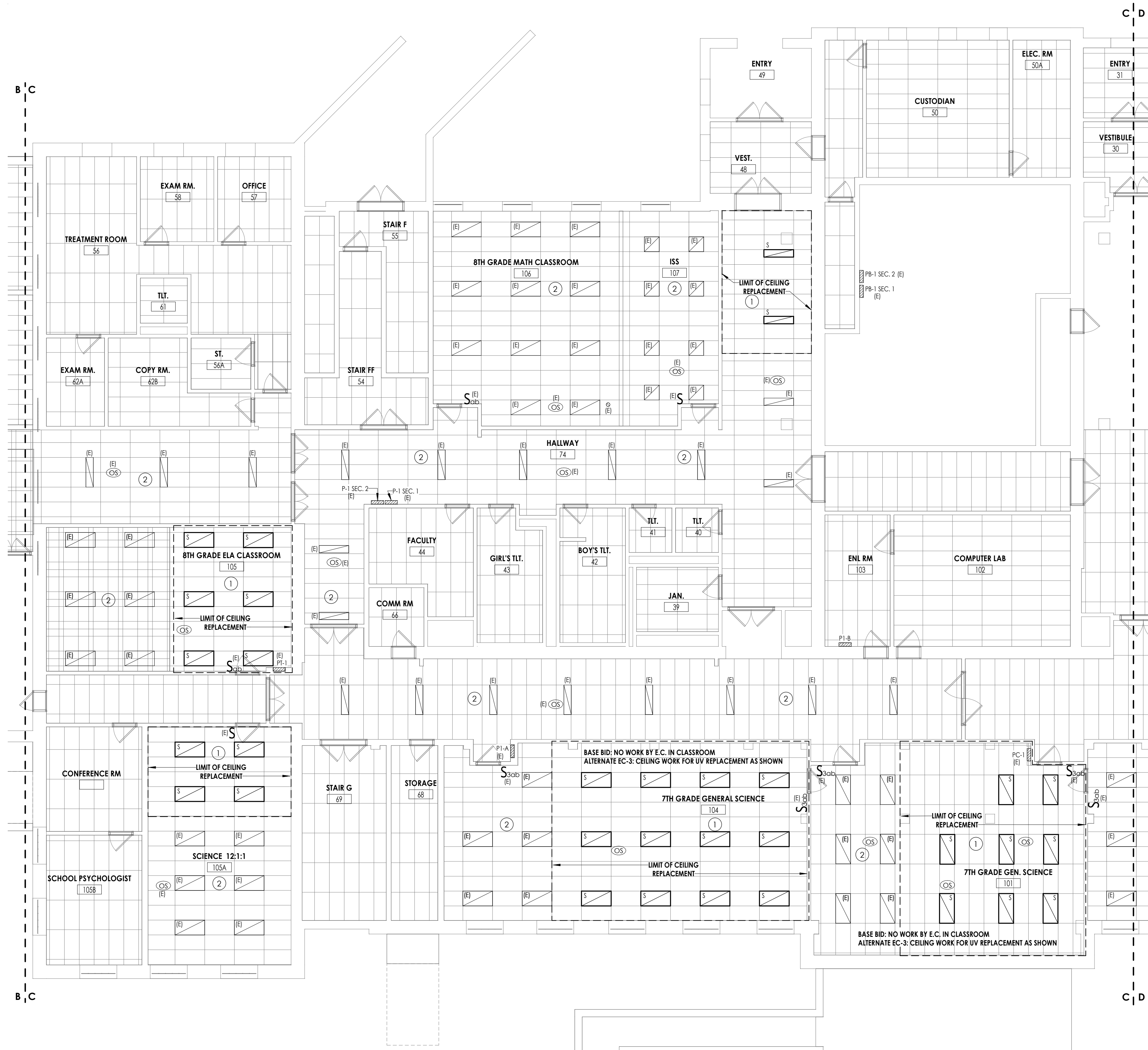
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SHEET INFORMATION

Issued  
09/06/2021  
CONSTRUCTION DOCUMENTS  
Drawn By  
RJD  
Checked By  
ARM  
Drawing Title  
THIRD FLOOR POWER AND  
SYSTEMS PLAN - AREA D







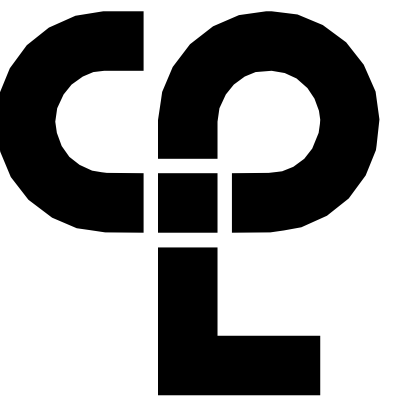
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E300C  
GROUND FLOOR LIGHTING PLAN - AREA C  
1/8" = 1'-0"

#### GENERAL NOTES:

- FIXTURES, DEVICES, AND EQUIPMENT LABELED AS "(E)" ARE EXISTING AND ARE SHOWN FOR REFERENCE ONLY. ALL OF THESE DEVICES SHALL REMAIN OPERATIONAL FOLLOWING CONSTRUCTION.
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- NEW LIGHTING CONTROLS SHOWN (OCCUPANCY SENSORS, INTERIOR PHOTOCELLS, SWITCHES, DIMMERS, ETC.) SHALL BE LOW VOLTAGE DEVICES. PROVIDE ALL ASSOCIATED CONTROL UNITS, POWER PACKS, AND WIRING AND ACCESSORIES AS REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM.

#### KEY NOTES:

- IN DESIGNATED CEILING REPLACEMENT AREA, ELECTRICAL CONTRACTOR SHALL REINSTALL SALVAGED LIGHT FIXTURES AND CONTROL DEVICES. RECONNECT BRANCH CIRCUIT WIRING AND CONTROL CABLING LEFT FROM DEMOLITION.
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#### PROJECT INFORMATION

Project Number

13940.18

Client Name

NEWBURGH ENLARGED CITY  
SCHOOL DISTRICT

Project Name

PHASE 3: HERITAGE MIDDLE  
SCHOOL 2019 CAPITAL  
IMPROVEMENT PROJECT

Project Address

405 Union Avenue, New Windsor, NY 12553

#### REVISION SCHEDULE

# Date Description

#### SHEET INFORMATION

Issued

09/06/2021

CONSTRUCTION DOCUMENTS

Drawn By

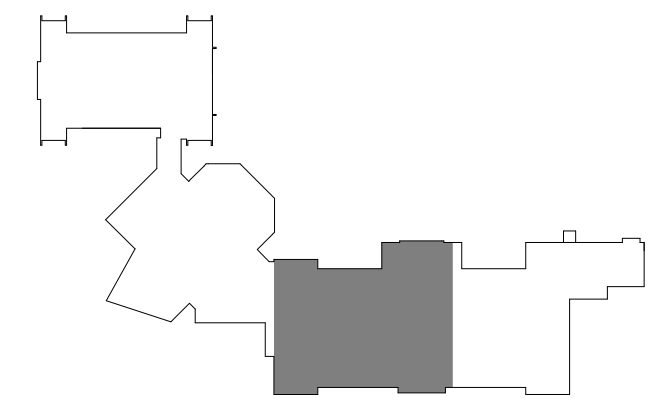
RJD

Checked By

ARM

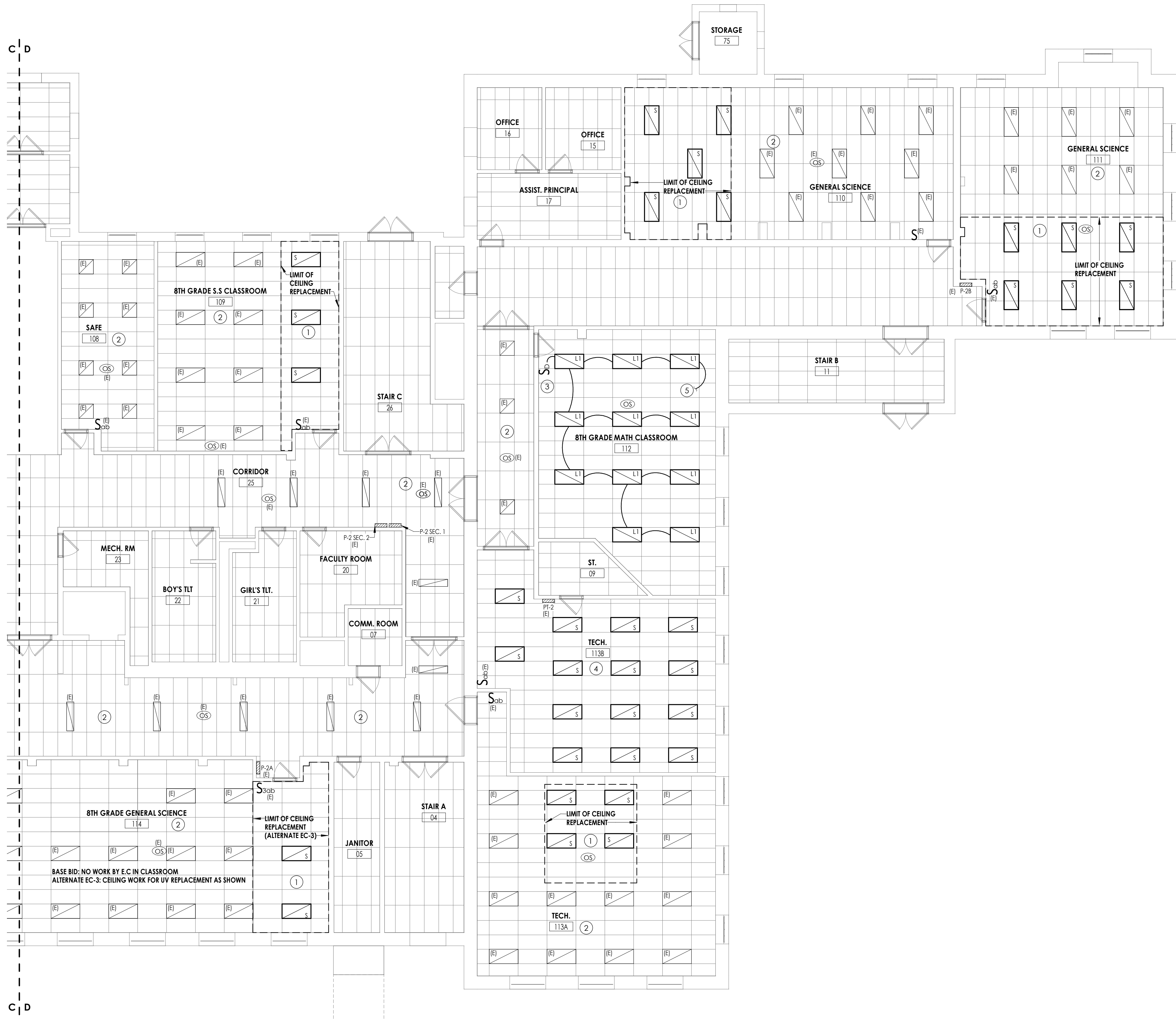
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GROUND FLOOR LIGHTING  
PLAN - AREA C



HMS  
E300C





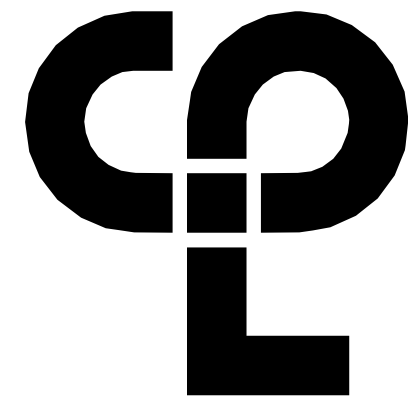
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E300D  
GROUND FLOOR LIGHTING PLAN - AREA D  
1/8" = 1'-0"

GENERAL NOTES:

- FIXTURES, DEVICES, AND EQUIPMENT LABELED AS "E" ARE EXISTING AND ARE SHOWN FOR REFERENCE ONLY. ALL OF THESE DEVICES SHALL REMAIN OPERATIONAL FOLLOWING CONSTRUCTION.
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KEY NOTES:

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- INSTALL ON/OFF, RAISE/LOWER DIMMER SWITCH IN EXISTING BACK BOX. INSTALL DIMMING WIRES REQUIRED FOR NEW DIMMING CONTROL.
- REINSTALL SALVAGED LIGHT FIXTURES FOLLOWING NEW CEILING INSTALLATION. SPICE AND EXTEND EXISTING BRANCH CIRCUIT WIRING AS REQUIRED TO REACH TERMINATION POINTS OF REINSTALLED FIXTURES IN LOCATION SHOWN. RECONNECT TO EXISTING WALL SWITCHES.
- CONNECT NEW LIGHTING IN ROOM TO EXISTING BRANCH CIRCUIT LEFT FROM DEMOLITION. SPICE AND EXTEND EXISTING BRANCH CIRCUIT WIRING WITH (2) #12, #12 GND, IN 1/2" CONDUIT.



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PROJECT INFORMATION

Project Number  
13940.18  
Client Name

NEWBURGH ENLARGED CITY  
SCHOOL DISTRICT

Project Name  
PHASE 3: HERITAGE MIDDLE  
SCHOOL 2019 CAPITAL  
IMPROVEMENT PROJECT

Project Address  
405 Union Avenue, New Windsor, NY 12553

REVISION SCHEDULE

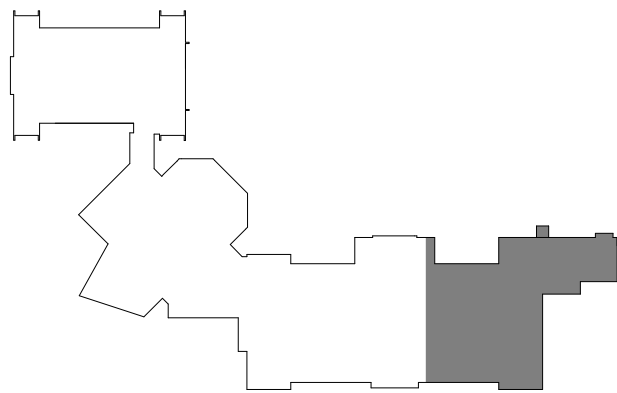
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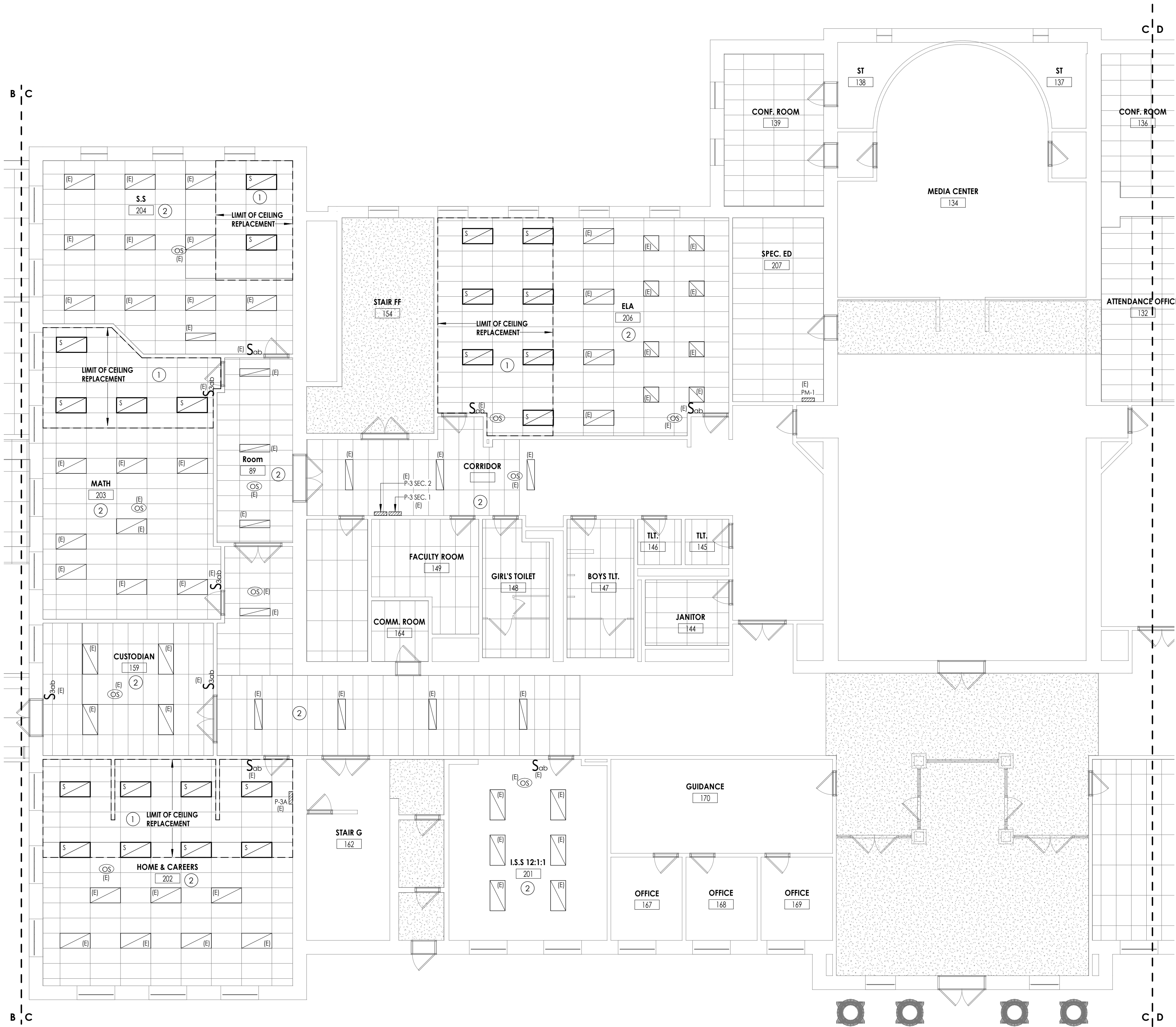
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CONSTRUCTION DOCUMENTS

Drawn By  
RJD  
Checked By  
ARM

Drawing Title  
GROUND FLOOR LIGHTING  
PLAN - AREA D



HMS  
E300D



1  
E301C  
FIRST FLOOR LIGHTING PLAN - AREA C  
1/8" = 1'-0"

GENERAL NOTES:

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KEY NOTES:

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PROJECT INFORMATION

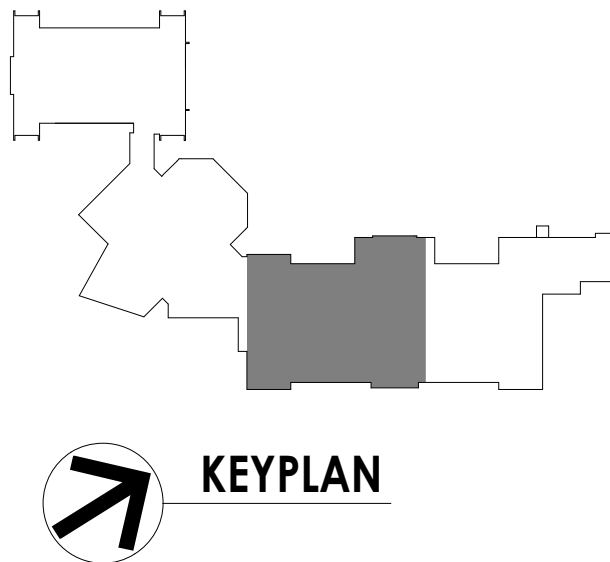
Project Number  
13940.18  
Client Name  
**NEWBURGH ENLARGED CITY SCHOOL DISTRICT**  
Project Name  
**PHASE 3: HERITAGE MIDDLE SCHOOL 2019 CAPITAL IMPROVEMENT PROJECT**  
Project Address  
405 Union Avenue, New Windsor, NY 12553

REVISION SCHEDULE

# Date Description

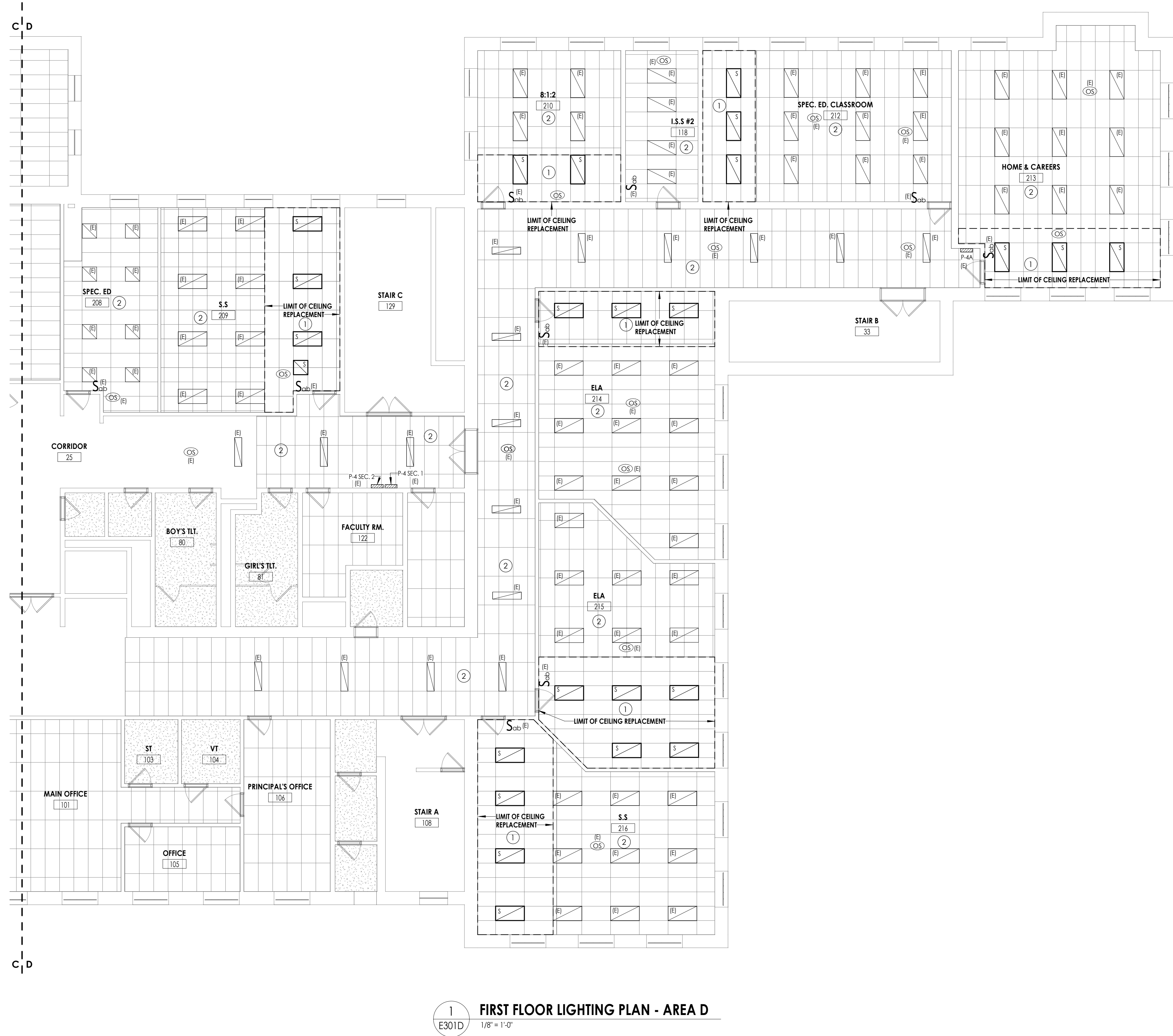
SHEET INFORMATION

Issued  
09/06/2021  
CONSTRUCTION DOCUMENTS  
Drawn By  
RJD  
Checked By  
ARM  
Drawing Title  
FIRST FLOOR LIGHTING PLAN - AREA C



HMS  
E301C





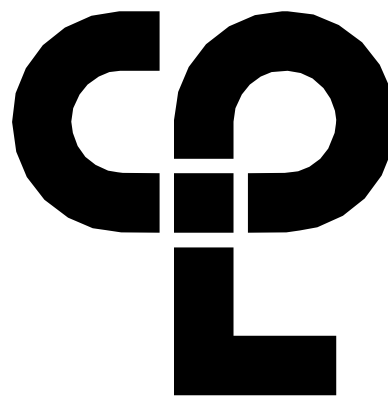
1 FIRST FLOOR LIGHTING PLAN - AREA D  
E301D 1/8" = 1'-0"

GENERAL NOTES:

- A. FIXTURES, DEVICES, AND EQUIPMENT LABELED AS "E" ARE EXISTING AND ARE SHOWN FOR REFERENCE ONLY. ALL OF THESE DEVICES SHALL REMAIN OPERATIONAL FOLLOWING CONSTRUCTION.
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PROJECT INFORMATION

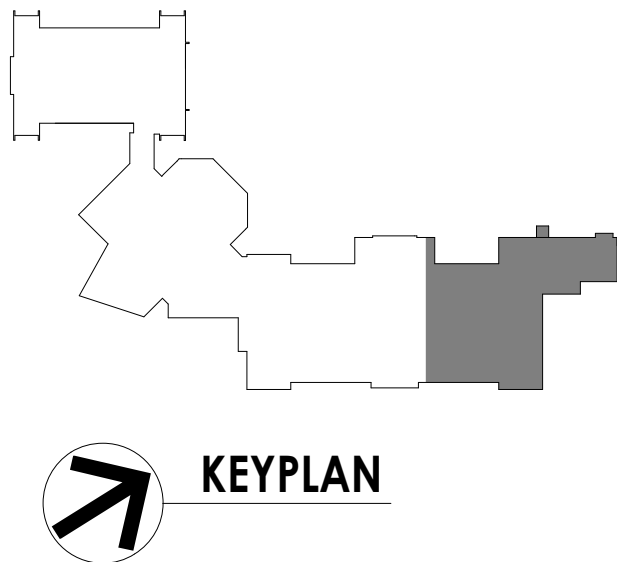
Project Number  
13940.18  
Client Name  
NEWBURGH ENLARGED CITY  
SCHOOL DISTRICT  
Project Name  
PHASE 3: HERITAGE MIDDLE  
SCHOOL 2019 CAPITAL  
IMPROVEMENT PROJECT  
Project Address  
405 Union Avenue, New Windsor, NY 12553

REVISION SCHEDULE

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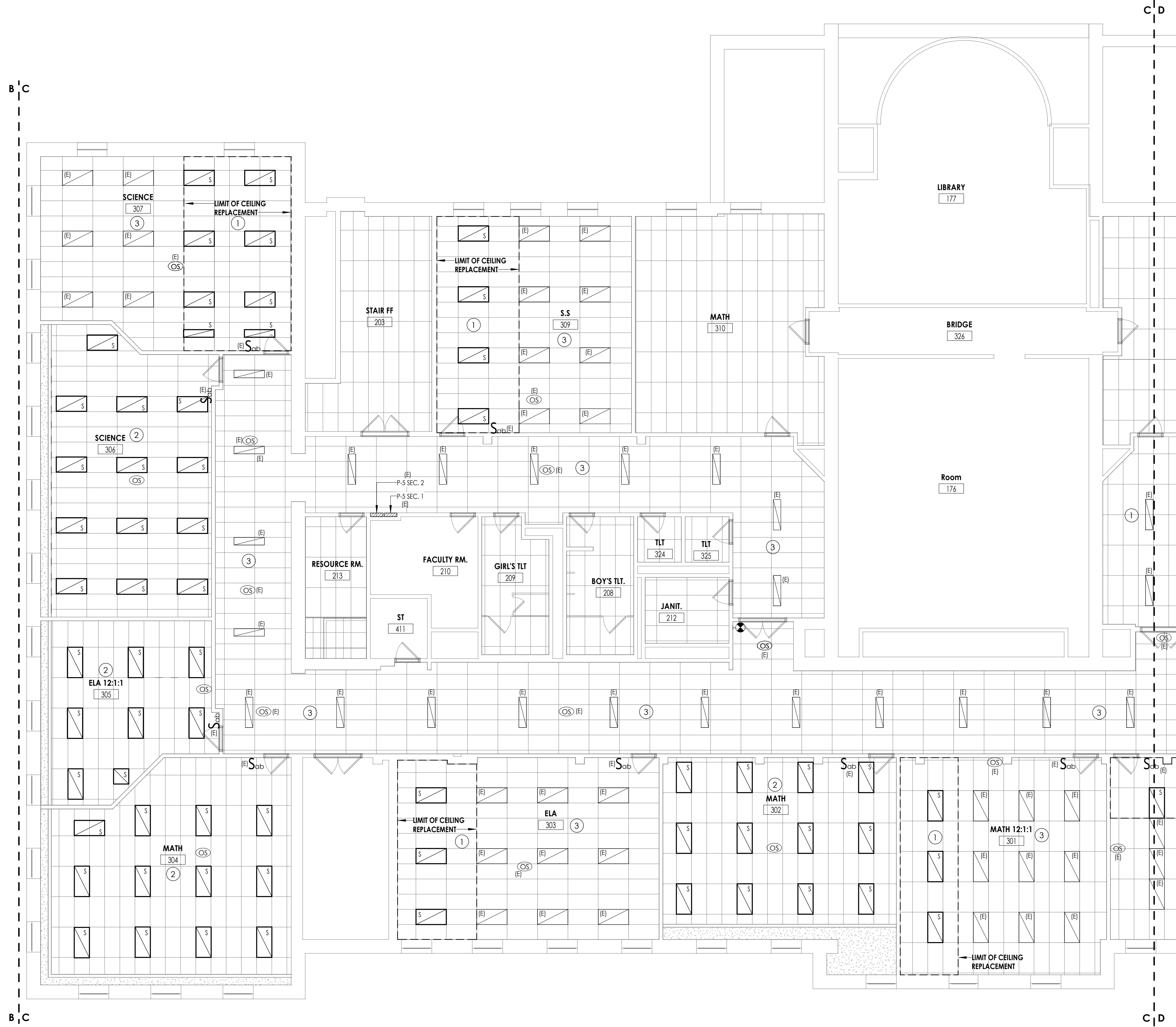
SHEET INFORMATION

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09/06/2021  
CONSTRUCTION DOCUMENTS  
Drawn By  
RJD  
Checked By  
ARM  
Drawing Title  
FIRST FLOOR LIGHTING PLAN -  
AREA D



HMS  
E301D

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E302C

## SECOND FLOOR LIGHTING PLAN - AREA C

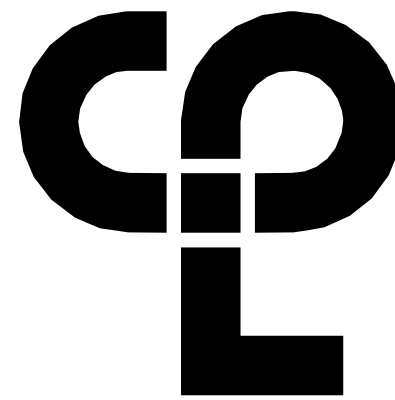
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### GENERAL NOTES:

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### KEY NOTES:

- IN DESIGNATED CEILING REPLACEMENT AREA, ELECTRICAL CONTRACTOR SHALL REINSTALL SALVAGED LIGHT FIXTURES AND CONTROL DEVICES. RECONNECT BRANCH CIRCUIT WIRING AND CONTROL CABLING LEFT FROM DEMOLITION.
- REINSTALL SALVAGED LIGHT FIXTURES AND OCCUPANCY SENSOR FOLLOWING NEW CEILING INSTALLATION. SPLICE AND EXTEND EXISTING BRANCH CIRCUIT WIRING AS REQUIRED TO REACH TERMINATION POINTS OF REINSTALLED FIXTURES IN LOCATION SHOWN. RECONNECT TO EXISTING WALL SWITCHES AND REINSTALLED CEILING SENSOR.
- EXISTING LIGHT FIXTURES AND CONTROLS SHOWN IN THIS AREA ARE SHOWN FOR REFERENCE PURPOSES ONLY. LIGHT FIXTURES WILL REMAIN IN GRID DURING DEMOLITION AND NEW WORK PHASES. SHOULD CEILING TILE BE REQUIRED TO BE REMOVED AS NOTED IN DEMOLITION DRAWING KEY NOTES, THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO TEMPORARILY SUPPORT OR REMOVE/REINSTALL EXISTING LIGHTING CONTROLS.



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### PROJECT INFORMATION

Project Number

13940.18

Client Name

NEWBURGH ENLARGED CITY  
SCHOOL DISTRICT

Project Name

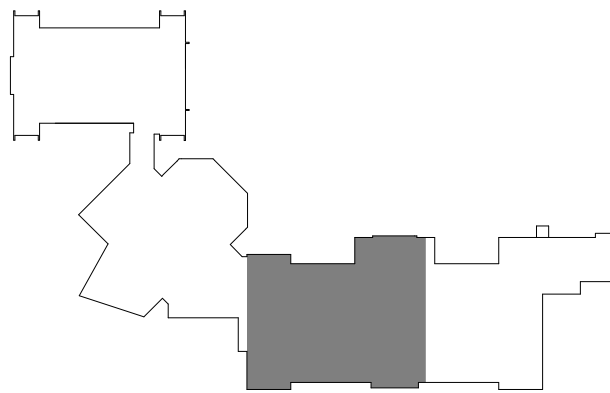
PHASE 3: HERITAGE MIDDLE  
SCHOOL 2019 CAPITAL  
IMPROVEMENT PROJECT

Project Address

405 Union Avenue, New Windsor, NY 12553

### REVISION SCHEDULE

# Date Description



KEYPLAN

### SHEET INFORMATION

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09/06/2021

CONSTRUCTION DOCUMENTS

Drawn By

RJD

Checked By

ARM

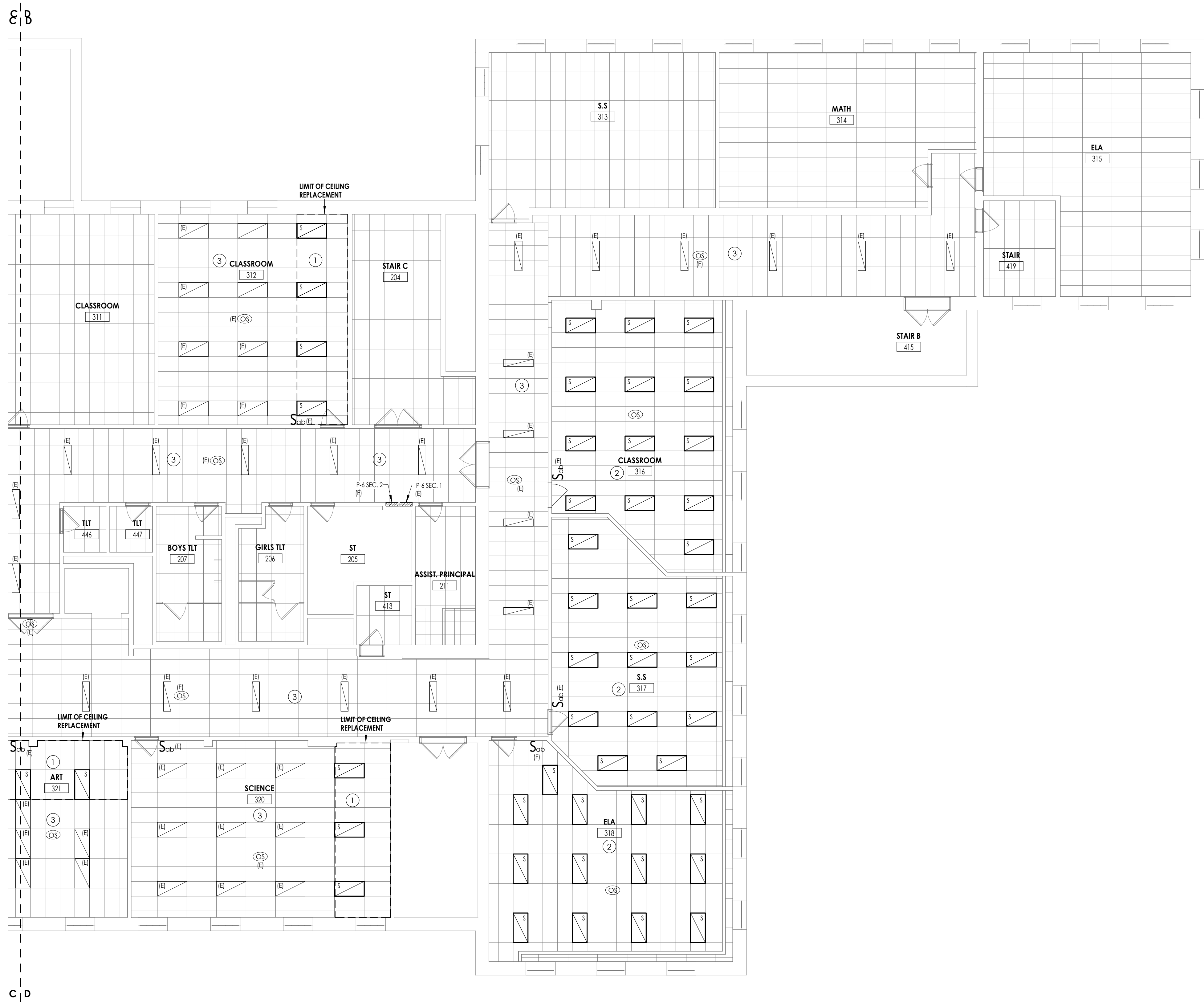
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SECOND FLOOR LIGHTING PLAN -

AREA C

HMS  
E302C





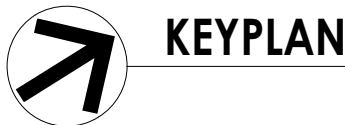
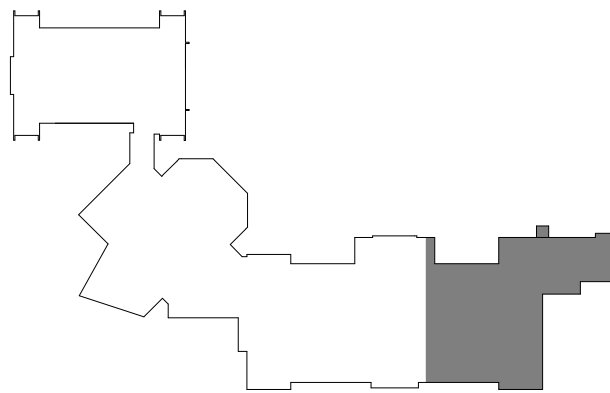
1 SECOND FLOOR LIGHTING PLAN - AREA D  
E302D 1/8" = 1'-0"

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- WIRE ALL NEW EXIT SIGNS TO EXISTING EXIT SIGN CIRCUIT IN AREA WITH (2) #12, #12 GND IN 1/2" CONDUIT. WALL MOUNTED EXIT SIGNS ARE INDICATED WITH A "W" AND SHALL BE MOUNTED AT 8' AFF.
- ALL OCCUPANCY SENSORS SHALL BE MOUNTED WITHIN ROOM TO OBTAIN MAXIMUM COVERAGE. REFER TO MANUFACTURER'S INSTALLATION INSTRUCTIONS. PROVIDE ALL POWER PACKS AND ASSOCIATED WIRING AND ACCESSORIES AS REQUIRED.
- NEW LIGHTING CONTROLS SHOWN (OCCUPANCY SENSORS, INTERIOR PHOTOCELLS, SWITCHES, DIMMERS, ETC.) SHALL BE LOW VOLTAGE DEVICES. PROVIDE ALL ASSOCIATED CONTROL UNITS, POWER PACKS, AND WIRING AND ACCESSORIES AS REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM.

KEY NOTES:

- IN DESIGNATED CEILING REPLACEMENT AREA, ELECTRICAL CONTRACTOR SHALL REINSTALL SALVAGED LIGHT FIXTURES AND CONTROL DEVICES. RECONNECT BRANCH CIRCUIT WIRING AND CONTROL CABLING LEFT FROM DEMOLITION.
- REINSTALL SALVAGED LIGHT FIXTURES AND OCCUPANCY SENSOR FOLLOWING NEW CEILING INSTALLATION. SPLICE AND EXTEND EXISTING BRANCH CIRCUIT WIRING AS REQUIRED TO REACH TERMINATION POINTS OF REINSTALLED FIXTURES IN LOCATION SHOWN. RECONNECT TO EXISTING WALL SWITCHES AND REINSTALLED CEILING SENSOR.
- EXISTING LIGHT FIXTURES AND CONTROLS SHOWN IN THIS AREA ARE SHOWN FOR REFERENCE PURPOSES ONLY. LIGHT FIXTURES WILL REMAIN IN GRID DURING DEMOLITION AND NEW WORK PHASES. SHOULD CEILING TILE BE REQUIRED TO BE REMOVED AS NOTED IN DEMOLITION DRAWING KEY NOTES, THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO TEMPORARILY SUPPORT OR REMOVE/REINSTALL EXISTING LIGHTING CONTROLS.



PROJECT INFORMATION

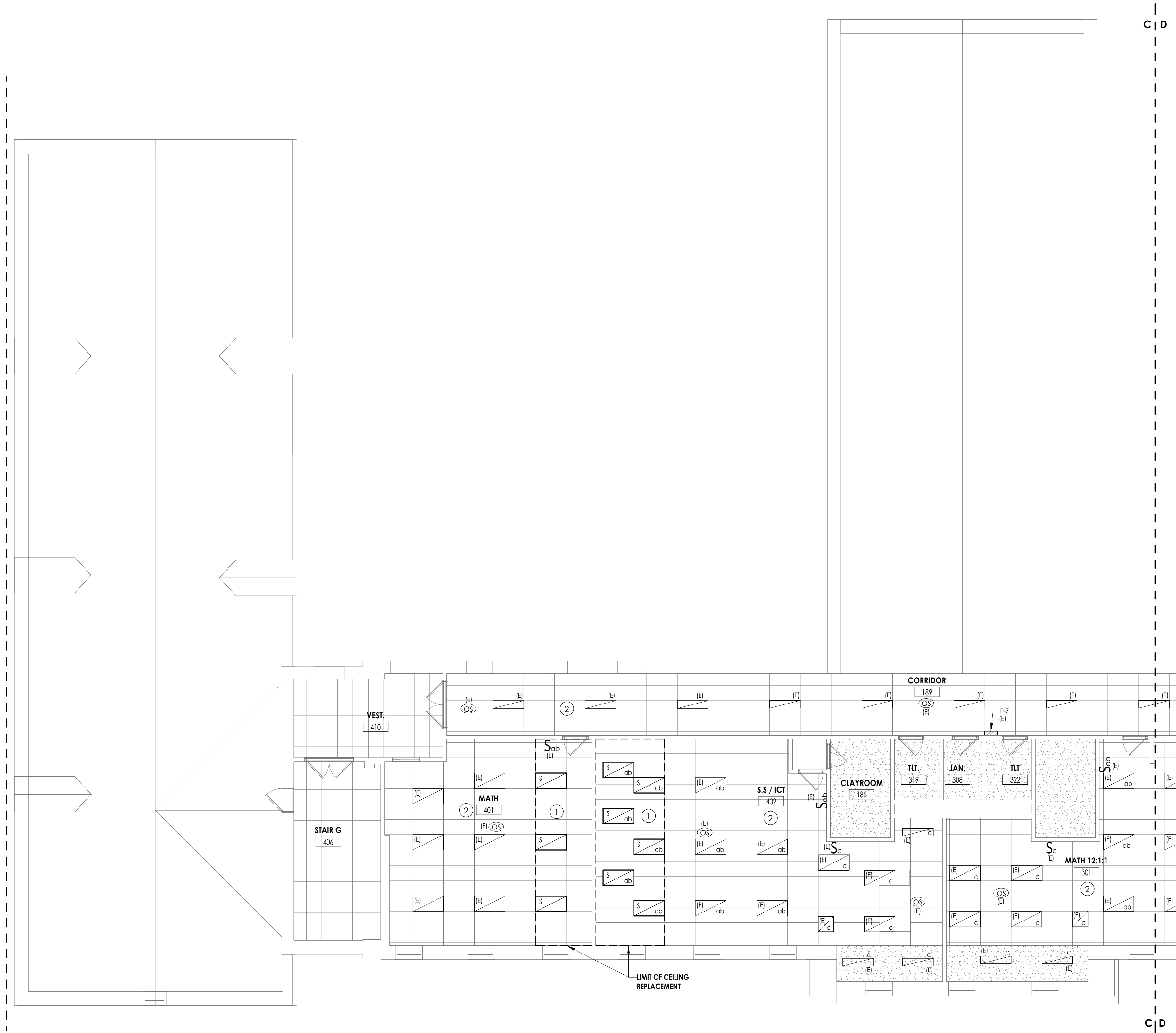
Project Number  
13940.18  
Client Name  
**NEWBURGH ENLARGED CITY SCHOOL DISTRICT**  
Project Name  
**PHASE 3: HERITAGE MIDDLE SCHOOL 2019 CAPITAL IMPROVEMENT PROJECT**  
Project Address  
405 Union Avenue, New Windsor, NY 12553

REVISION SCHEDULE

# Date Description

SHEET INFORMATION

Issued  
09/06/2021  
CONSTRUCTION DOCUMENTS  
Drawn By  
RJD  
Checked By  
ARM  
Drawing Title  
SECOND FLOOR LIGHTING PLAN - AREA D



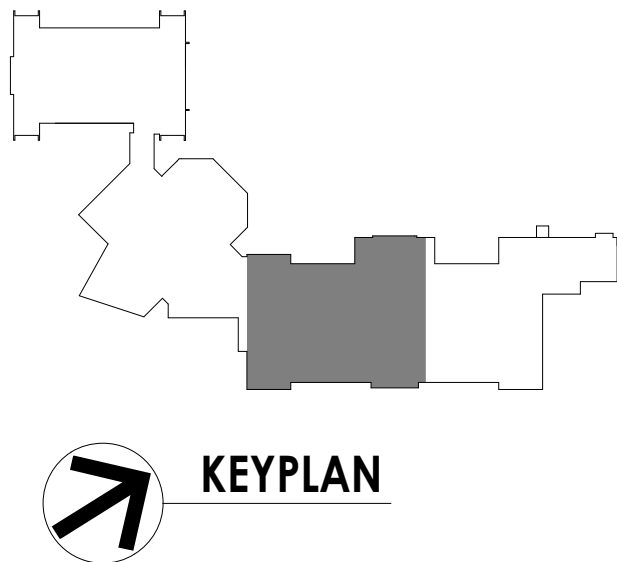
1  
E303C  
THIRD FLOOR LIGHTING PLAN - AREA C  
1/8" = 1'-0"

GENERAL NOTES:

- FIXTURES, DEVICES, AND EQUIPMENT LABELED AS "(E)" ARE EXISTING AND ARE SHOWN FOR REFERENCE ONLY. ALL OF THESE DEVICES SHALL REMAIN OPERATIONAL FOLLOWING CONSTRUCTION.
- REFER TO LUMINAIRE SCHEDULE ON DRAWING E900 FOR FIXTURE DESCRIPTIONS AND NOTES.
- UNLESS NOTED OTHERWISE, WIRE NEW SWITCHED LIGHTING CIRCUITS TO EXISTING BRANCH CIRCUITS LEFT FROM DEMOLITION. SPLICE AND EXTEND BRANCH CIRCUITING WITH (2) #12, #12 GND IN 1/2" CONDUIT.
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KEY NOTES:

- IN DESIGNATED CEILING REPLACEMENT AREA, ELECTRICAL CONTRACTOR SHALL REINSTALL SALVAGED LIGHT FIXTURES AND CONTROL DEVICES. RECONNECT BRANCH CIRCUIT WIRING AND CONTROL CABLING LEFT FROM DEMOLITION.
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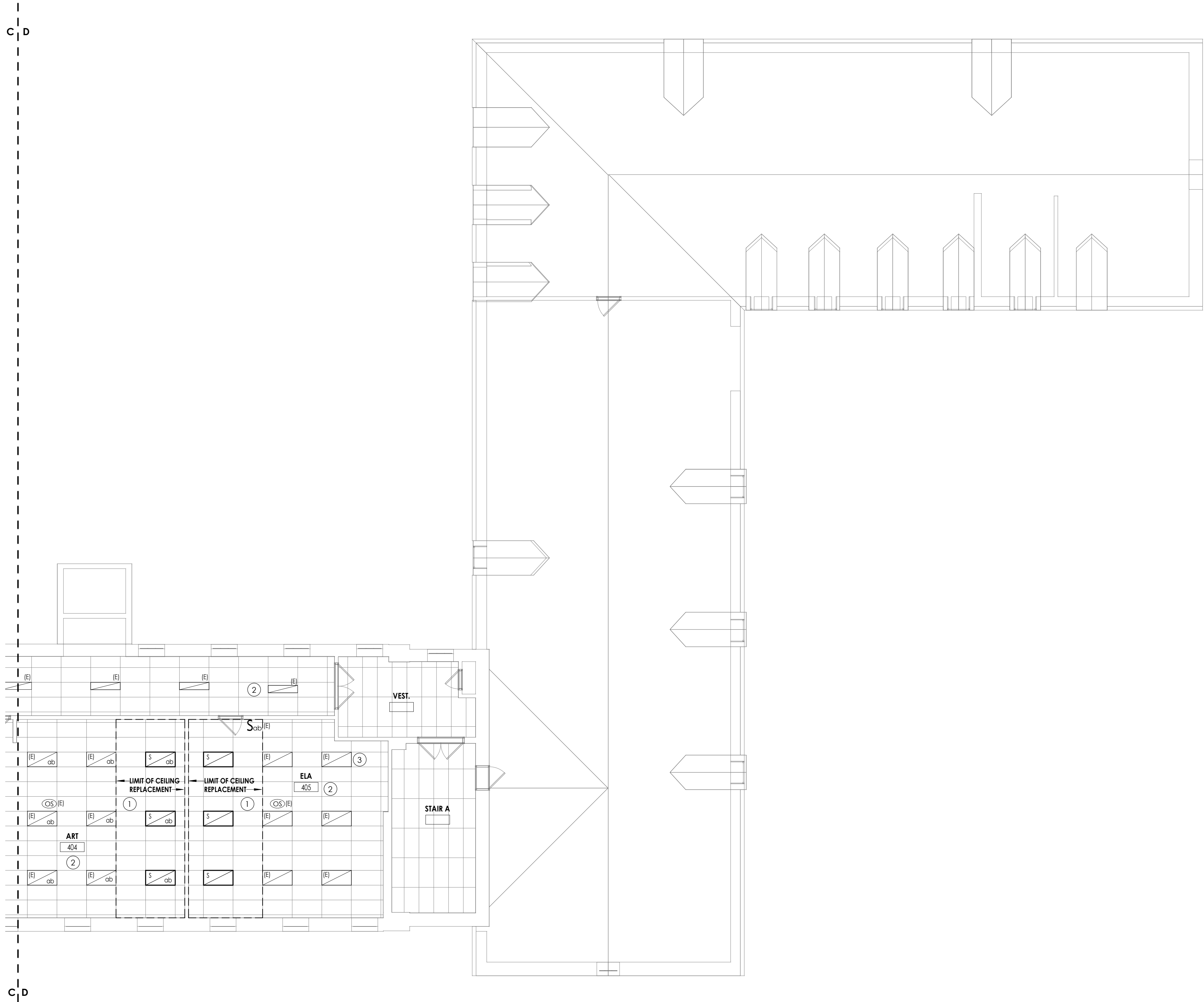
REVISION SCHEDULE

# Date Description

SHEET INFORMATION

Issued  
09/06/2021  
CONSTRUCTION DOCUMENTS  
Drawn By  
RJD  
Checked By  
ARM  
Drawing Title  
THIRD FLOOR LIGHTING PLAN -  
AREA C





1  
E303D

THIRD FLOOR LIGHTING PLAN - AREA D

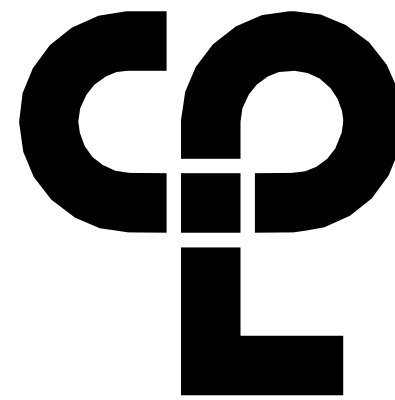
1/8" = 1'-0"

GENERAL NOTES:

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- INSTALL EXTRA SALVAGED LENS FROM CLASSROOM 112 ON LIGHT FIXTURE THAT IS MISSING LENS.



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

PROJECT INFORMATION

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Client Name

NEWBURGH ENLARGED CITY  
SCHOOL DISTRICT

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PHASE 3: HERITAGE MIDDLE  
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CONSTRUCTION DOCUMENTS

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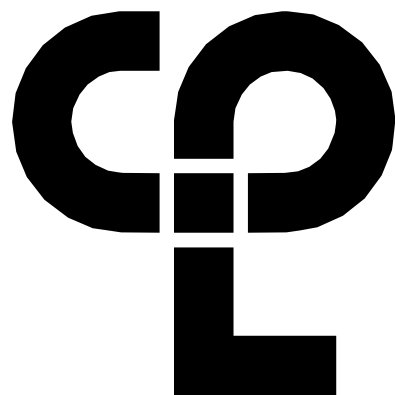
Drawing Title

THIRD FLOOR LIGHTING PLAN -  
AREA D



KEYPLAN

HMS  
E303D



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50 FRONT ST. SUITE 102  
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PROJECT INFORMATION

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Project Address  
405 Union Avenue, New Windsor, NY 12553

REVISION SCHEDULE

# Date Description

EQUIPMENT WIRING SCHEDULE

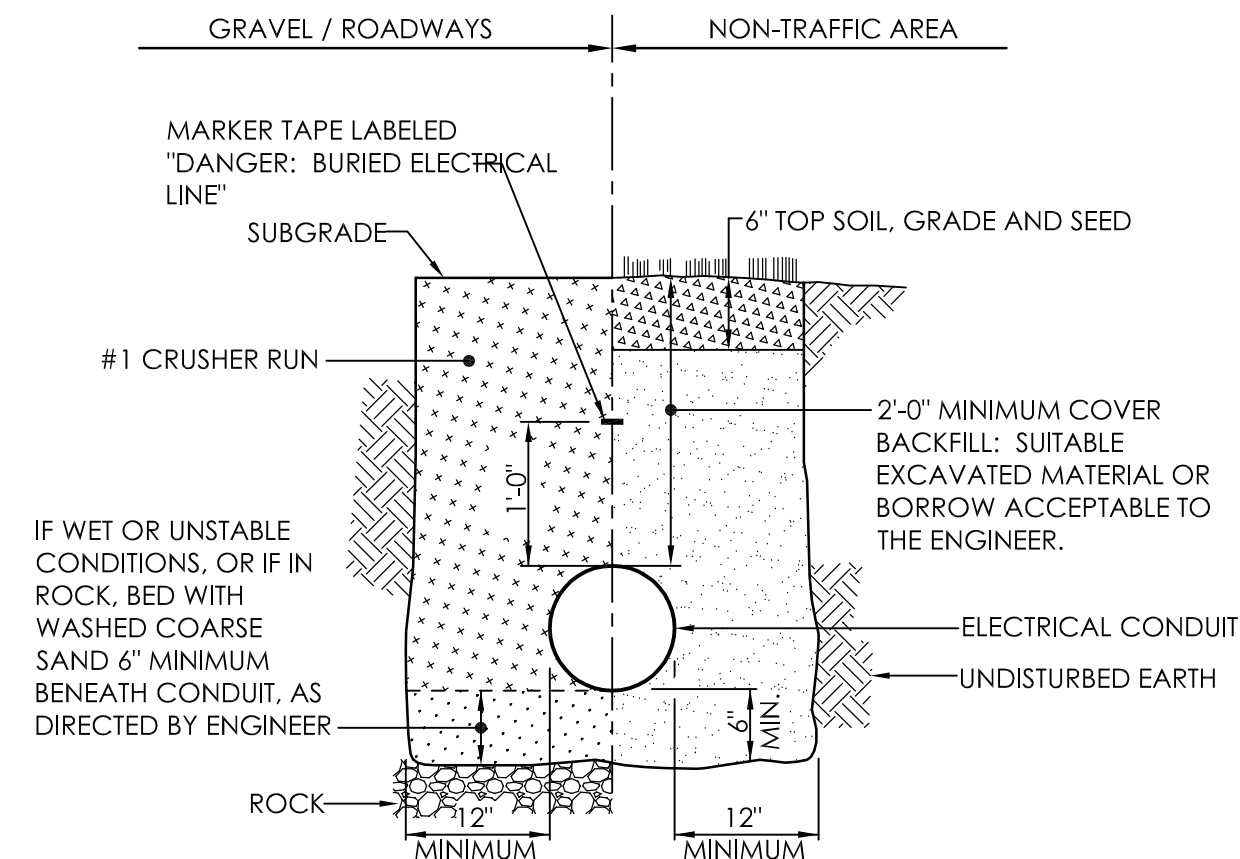
ITEM #	MARK	Room Location	VOLTS	PH	HP	FLA	WIRING/CONDUIT	BREAKER	PANEL	CIRCUIT	REMARKS
1	AHU-1	STORAGE 604	208 V	3		8.0 A	(3) #12, #12G IN 3/4"C	15/3	P-10	2,4,6	1
2	AHU-2	STORAGE 606	208 V	3		8.0 A	(3) #12, #12G IN 3/4"C	15/3	P-10	8,10,12	1
3	AHU-3	STORAGE 600A	208 V	3		8.0 A	(3) #10, #10G IN 3/4"C	15/3	P-9	8,10,12	1
4	AHU-4	STORAGE 600B	208 V	3		8.0 A	(3) #12, #12G IN 3/4"C	15/3	P-9	14,16,18	1
5	AHU-5	KITCHEN	208 V	3		8.0 A	(3) #12, #12G IN 3/4"C	15/3	PK-1	2,4,6	1, 5
6	AHU-6	STORAGE 435	208 V	3		8.0 A	(3) #12, #12G IN 3/4"C	15/3	PK-1	8,10,12	1, 6
7	SSI-9	SECURITY OFFICE	208 V	1		0.3 A	(2) #12, #12G IN 3/4"C	20/2	P-9	2,4	1, 7
8	RTU-1	ROOF	208 V	3		54.0 A	(3) #4, #8G IN 1-1/4"C	90/3	MSB	-	1, 2, 5, 9
9	RTU-2	ROOF	208 V	3		54.0 A	(3) #4, #8G IN 1-1/4"C	90/3	MSB	-	1, 2, 5, 9
10	RTU-3	ROOF	208 V	3		54.0 A	(3) #4, #8G IN 1-1/4"C	90/3	MSB	-	1, 5, 9
11	PUMP P-1	PUMP ROOM 423	208 V	3	10 HP	32.2 A	(3) #6, #10G IN 1"C	60/3	P-9	1,3,5	1
12	PUMP P-2	PUMP ROOM 423	208 V	3	10 HP	32.2 A	(3) #6, #10G IN 1"C	60/3	P-9	7,9,11	1
13	FC-1	CUSTODIAN ROOM 159	120 V	1		1.0 A	(2) #12, #12G IN 3/4"C	20/1	P3, SEC. 1	11	1, 5, 18
14	ACC-1	EXTERIOR AT GRADE	208 V	3		57.0 A	(3) #4, #8G IN 1-1/4"C	80/3	P-10	1,3,5	1
15	ACC-2	EXTERIOR AT GRADE	208 V	3		57.0 A	(3) #4, #8G IN 1-1/4"C	80/3	P-10	7,9,11	1
16	ACC-3	EXTERIOR AT GRADE	208 V	3		57.0 A	(3) #4, #8G IN 1-1/4"C	80/3	P-10	13,15,17	1
17	ACC-4	EXTERIOR AT GRADE	208 V	3		57.0 A	(3) #4, #8G IN 1-1/4"C	80/3	P-10	19,21,23	1
18	ACC-5	KITCHEN ROOF	208 V	3		38.0 A	(3) #8, #10G IN 1"C	50/3	P-9	19,21,23	1
19	ACC-6	KITCHEN ROOF	208 V	3		63.0 A	(3) #4, #8G IN 1-1/4"C	90/3	P-9	25,27,29	1
20	ACC-7	KITCHEN ROOF	208 V	3		70.0 A	(3) #4, #8G IN 1-1/4"C	90/3	P-9	31,33,35	1
21	EF-2	STORAGE 600B	120 V	1	1/4 HP	3.8 A	(3) #12, #12G IN 3/4"C	20/1	P-9	13	1
22	SSI-1	CAFETERIA 448	208 V	1		0.3 A	(2) #12, #12G IN 3/4"C	15/2	P-9	2,4	1, 7
23	SSI-2	CAFETERIA 448	208 V	1		0.3 A	(2) #12, #12G IN 3/4"C	15/2	P-9	2,4	1, 7
24	SSI-3	CAFETERIA 448	208 V	1		0.3 A	(2) #12, #12G IN 3/4"C	15/2	P-9	2,4	1, 7
25	SSI-4	CAFETERIA 448	208 V	1		0.3 A	(2) #12, #12G IN 3/4"C	15/2	P-9	2,4	1, 7
26	SSI-5	CAFETERIA 448	208 V	1		0.3 A	(2) #12, #12G IN 3/4"C	15/2	P-9	2,4	1, 7
27	SSI-6	CAFETERIA 448	208 V	1		0.3 A	(2) #12, #12G IN 3/4"C	15/2	P-9	2,4	1, 7
28	CH-1	EXTERIOR GRADE	208 V	3		560.0 A	2 SETS OF (3) #500, #11/0G IN 3-1/2"C	800/3	DP-HVAC	-	1, 17
29	EF-1	STORAGE 600A	120 V	1	1/4 HP	3.8 A	(2) #12, #12G IN 3/4"C	20/1	P-8	-	1, 5
30	EF-3	ROOF	208 V	1	1/2 HP	5.4 A	(2) #12, #12G IN 3/4"C	20/2	P-11	16,18	1
31	EF-4	ROOF	208 V	1	1/2 HP	5.4 A	(2) #12, #12G IN 3/4"C	20/2	P3, SEC. 2	38,40	1, 8
32	EF-5	ROOF	208 V	1	1/2 HP	4.9 A	(2) #12, #12G IN 3/4"C	20/2	P-11	16,18	1
33	EF-6	ROOF	208 V	1	2 HP	12.0 A	(2) #12, #12G IN 3/4"C	20/2	P-11	20,22	1
34	FC-2	GROUND FLOOR CORRIDOR	120 V	1		1.0 A	(2) #12, #12G IN 3/4"C	20/1	P-1A	14	1, 2, 15, 18
35	UV-1	MUSIC 438	120 V	1		4.7 A	(2) #12, #12G IN 3/4"C	20/1	P-8	-	1, 5, 18
36	UV-2	ROOM 105	120 V	1		4.0 A	(2) #12, #12G IN 3/4"C	20/1	P1, SEC. 1	32	1, 10, 18
37	UV-3	ROOM 105A	120 V	1		4.0 A	(2) #12, #12G IN 3/4"C	20/1	P1, SEC. 1	32	1, 10, 18
38	UV-4	CORRIDOR - GROUND	120 V	1		4.0 A	(2) #12, #12G IN 3/4"C	20/1	P1, SEC. 1	32	1, 10, 18
39	UV-5	ROOM 104	120 V	1		4.7 A	(2) #12, #12G IN 3/4"C	20/1	P1, SEC. 1	33	1, 2, 5, 18
40	UV-6	ROOM 101	120 V	1		4.0 A	(2) #12, #12G IN 3/4"C	20/1	P1, SEC. 1	35	1, 2, 5, 18
41	UV-7	ROOM 114	120 V	1		4.7 A	(2) #12, #12G IN 3/4"C	20/1	P-2	-	1, 2, 5, 18
42	UV-8	ROOM 113A	120 V	1		4.0 A	(2) #12, #12G IN 3/4"C	20/1	P2, SEC. 2	35	1, 10, 18
43	UV-9	ROOM 113B	120 V	1		4.0 A	(2) #12, #12G IN 3/4"C	20/1	P2, SEC. 2	35	1, 10, 18
44	UV-10	ROOM 112	120 V	1		4.0 A	(2) #12, #12G IN 3/4"C	20/1	P2, SEC. 2	35	1, 10, 18
45	UV-11	ROOM 109	120 V	1		4.0 A	(2) #12, #12G IN 3/4"C	20/1	P2, SEC. 2	33	1, 10, 18
46	UV-12	ROOM 110	120 V	1		4.7 A	(2) #12, #12G IN 3/4"C	20/1	P2, SEC. 2	33	1, 10, 18
47	UV-13	ROOM 111	120 V	1		4.7 A	(2) #12, #12G IN 3/4"C	20/1	P2, SEC. 2	33	1, 10, 18
48	UV-14	ROOM 206	120 V	1		4.0 A	(2) #12, #12G IN 3/4"C	20/1	P3, SEC. 1	35	1, 10, 18
49	UV-15	ROOM 204	120 V	1		4.0 A	(2) #12, #12G IN 3/4"C	20/1	P3, SEC. 1	35	1, 10, 18
50	UV-16	ROOM 203	120 V	1		4.0 A	(2) #12, #12G IN 3/4"C	20/1	P3, SEC. 1	35	1, 10, 18
51	UV-17	ROOM 202	120 V	1		4.7 A	(2) #12, #12G IN 3/4"C	20/1	P3, SEC. 1	20	1, 10, 18
53	UV-19	ROOM 209	120 V	1		4.0 A	(2) #12, #12G IN 3/4"C	20/1	P4, SEC. 2	40	1, 8, 18
54	UV-20	ROOM 215	120 V	1		4.0 A	(2) #12, #12G IN 3/4"C	20/1	P4, SEC. 2	9	1, 10, 18
55	UV-21	ROOM 214	120 V	1		4.0 A	(2) #12, #12G IN 3/4"C	20/1	P4, SEC. 2	9	1, 10, 18
56	UV-22	ROOM 216	120 V	1		4.0 A	(2) #12, #12G IN 3/4"C	20/1	P4, SEC. 2	9	1, 10, 18
57	UV-23	ROOM 212	120 V	1		4.0 A	(2) #12, #12G IN 3/4"C	20/1	P4, SEC. 2	40	1, 8, 18
58	UV-24	ROOM 213	120 V	1		4.7 A	(2) #12, #12G IN 3/4"C	20/1	P4, SEC. 1	19	1, 11, 18
59	UV-25	ROOM 210	120 V	1		4.0 A	(2) #12, #12G IN 3/4"C	20/1	P4, SEC. 2	40	1, 8, 18
60	UV-26	ROOM 306	120 V	1		4.0 A	(2) #12, #12G IN 3/4"C	20/1	P5, SEC. 1	17	1, 10, 18
61	UV-27	ROOM 305	120 V	1		3.7 A	(2) #12, #12G IN 3/4"C	20/1	P5, SEC. 1	17	1, 10, 18
62	UV-28	ROOM 304	120 V	1		4.7 A	(2) #12, #12G IN 3/4"C	20/1	P5, SEC. 1	33	1, 8, 18
63	UV-29	ROOM 309	120 V	1		4.0 A	(2) #12, #12G IN 3/4"C	20/1	P5, SEC. 1	20	1, 10, 18
64	UV-30	ROOM 310	120 V	1		4.0 A	(2) #12, #12G IN 3/4"C	20/1	P5, SEC. 1	20	1, 10, 18
65	UV-31	ROOM 303	120 V	1		4.0 A	(2) #12, #12G IN 3/4"C	20/1	P5, SEC. 1	22	1, 10, 18
66	UV-32	ROOM 302	120 V	1		4.0 A	(2) #12, #12G IN 3/4"C	20/1	P5, SEC. 1	22	1, 10, 18
67	UV-33	ROOM 311	120 V	1		4.0 A	(2) #12, #12G IN 3/4"C	20/1	P6, SEC. 2	18	1, 10, 18
68	UV-34	ROOM 312	120 V	1		4.0 A	(2) #12, #12G IN 3/4"C	20/1	P6, SEC. 2	18	1, 10, 18
69	UV-35	ROOM 301	120 V	1		4.0 A	(2) #12, #12G IN 3/4"C	20/1	P5, SEC. 1	22	1, 10, 18
70	UV-36	ROOM 321	120 V	1		3.7 A	(2) #12, #12G IN 3/4"C	20/1	P6, SEC. 1	29	1, 11, 18
71	UV-37	ROOM 320	120 V	1		4.0 A	(2) #12, #12G IN 3/4"C	20/1	P6, SEC. 2	18	1, 10, 18
72	UV-38	ROOM 318	120 V	1		4.0 A	(2) #12, #12G IN 3/4"C	20/1	P6, SEC. 1	27	1, 10, 18
73	UV-39	ROOM 317	120 V	1		4.0 A	(2) #12, #12G IN 3/4"C	20/1	P6, SEC. 1	27	1, 10, 18
74	UV-40	ROOM 316	120 V	1		4.0 A	(2) #12, #12G IN 3/4"C	20/1	P6, SEC. 1	27	1, 10, 18
75	UV-41	ROOM 313	120 V	1		4.0 A	(2) #12, #12G IN 3/4"C	20/1	P-11	14	1, 18
76	UV-42	ROOM 314	120 V	1		4.0 A	(2) #12, #12G IN 3/4"C	20/1	P-11	14	1, 18
77	UV-43	ROOM 315	120 V	1		4.0 A	(2) #12, #12G IN 3/4"C	20/1	P-11	14	1, 18
78	UV-44	ROOM 307	120 V	1		4.0 A	(2) #12, #12G IN 3/4"C	20/1	P5, SEC. 1	20	1, 10, 18
79	UV-45	ROOM 402	120 V	1		4.7 A	(2) #12, #12G IN 3/4"C	20/1	P7	29	1, 10, 18
80	UV-46	ROOM 404	120 V	1		4.7 A	(2) #12, #12G IN 3/4"C	20/1	P7	18	1, 10, 18
81	UV-47	ROOM 405	120 V	1		4.0 A	(2) #12, #12G IN 3/4"C	20/1	P7	18	1, 10, 18
82	UV-48	ROOM 401	120 V	1		4.0 A	(2) #12, #12G IN 3/4"C	20/1	P7	29	1, 10, 18
83	FC-5	FIRST FLOOR CORRIDOR	120 V	1		1.0 A	(2) #12, #12G IN 3/4"C	20/1	P4, SEC. 1	20	1, 2, 16, 18
84	SF-1	ATTIC	208 V	3	5 HP	16.7 A	(3) #8, #10G IN 1"C	35/3	P-11	31,33,35	1
85	SF-2	ATTIC	208 V	3	1/2 HP	2.4 A	(3) #12, #12G IN 3/4"C	20/3	P-11	25,27,29	1
86	SF-3	ATTIC	208 V	3	5 HP	16.7 A	(3) #8, #10G IN 1"C	35/3	P-11	2,4,6	1
89	SF-6	ATTIC	208 V	3	2 HP	7.5 A	(3) #12, #12G IN 3/4"C	20/3	P-11	7,9,11	1
90	SF-7	ATTIC	208 V	3	3 HP	10.6 A	(3) #12, #12G IN 3/4"C	20/3	P-11	13,15,17	1
91	SF-8	ATTIC	208 V	3	5 HP	16.7 A	(3) #8, #10G IN 1"C	35/3	P-11	1,3,5	1
92	RF-1	ATTIC	208 V	3	7-1/2 HP	24.2 A	(3) #8, #10G IN 1"C	50/3	P-11	37,39,41	1
93	RF-2	ATTIC	208 V	3	1-1/2 HP	6.6 A	(3) #12, #12G IN 3/4"C	20/3	P-11	25,27,29	1
94	RF-3	ATTIC	208 V	3	1/2 HP	2.4 A	(3) #12, #12G IN 3/4"C	20/3	P-11	25,27,29	1
95	RF-4	ATTIC	208 V	3	1/3 HP	2.4 A					



PANEL NAME: P-9			PANEL LOCATION: Ground Floor Storage Room 440							Revised: 09/02/21	
			Notes:								
			VOLTS	AMPS	PHASE	# CCTS	LUGS	BKR	22KAIC RATING		
			208/120	400	3	42		400A			
DESCRIPTION			BREAKER	LINE 1		LINE 2		LINE 3		BREAKER	DESCRIPTION
1	Pump P-1	60/3	32.2	2.7					15/2	CAFETERIA SSI UNITS 1-9	
3					32.2	2.7					
5							32.2	7.2	20/1	GMP-1	
7	Pump P-2	60/3	32.2	8					15/3	AHU-3	
9					32.2	8					
11							32.2	8			
13	EF-2	20/1	3.8	8					15/3	AHU-4	
15	SSI CONDENSATE PUMPS	20/1			9	8					
17	HEAT TRACE - CHILLER	20/1					10	8			
19	ACC-5	50/3	38						20/3	SPARE	
21					38						
23							38				
25	ACC-6	90/3	63	5					20/1	CHEMICAL POT FEEDER	
27					63				20/1	SPARE	
29							63		20/1	SPARE	
31	ACC-7	90/3	70						20/1	SPARE	
33					70				20/1	SPARE	
35							70			SPACE	
37	SPARE	20/3								SPACE	
39										SPACE	
41										SPACE	
			262.9		263.1		268.6				

PANEL NAME: P-10			PANEL LOCATION: STORAGE ROOM 606							Revised: 07/15/21	
			Notes:								
			VOLTS	AMPS	PHASE	# CCTS	LUGS	BKR	22KAIC RATING		
			208/120	400	3	30		350A			
DESCRIPTION			BREAKER	LINE 1		LINE 2		LINE 3		BREAKER	DESCRIPTION
1	ACC-1	80/3	57	8					15/3	AHU-1	
3					57	8					
5							57	8			
7	ACC-2	80/3	57	8					15/3	AHU-2	
9					57	8					
11							57	8			
13	ACC-3	80/3	57	4.5					20/1	HVAC SERVICE RECEPT.	
15					57				20/1	SPARE	
17							57		20/1	SPARE	
19	ACC-4	80/3	57						20/1	SPARE	
21					57					SPACE	
23							57			SPACE	
25	SPARE	20/3								SPACE	
27										SPACE	
29										SPACE	
			248.5		244		244				

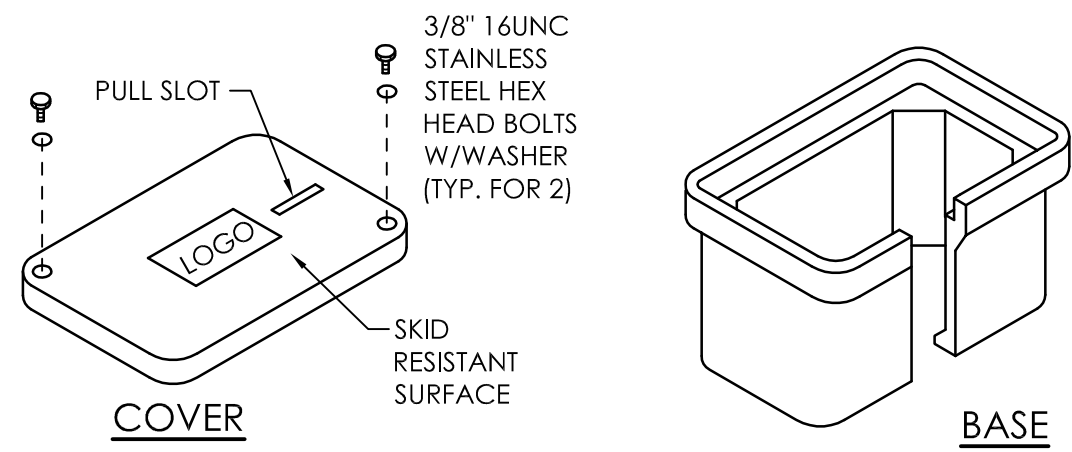
PANEL NAME: P-11			PANEL LOCATION: Attic							Revised: 08/11/21	
			Notes:								
			VOLTS	AMPS	PHASE	# CCTS	LUGS	BKR	22KAIC Rating		
			208/120	225	3	42		225			
DESCRIPTION			BREAKER	LINE 1		LINE 2		LINE 3		BREAKER	DESCRIPTION
1	SF-8	35/3	16.7	16.7					35/3	SF-3	
3					16.7	16.7					
5							16.7	16.7			
7	SF-6	20/3	7.5	4.8					20/3	RF-4, RF-5	
9					7.5	4.8					
11							7.5	4.8			
13	SF-7	20/3	10.6	12					20/1	UV-41, UV-42, UV-43	
15					10.6	10.3					
17							10.6	10.3			
19	RF-6	20/3	7.5	12					20/2	EF-6	
21					7.5	12					
23							7.5	1.5			
25	SF-2, RF-2, RF-3	20/3	11.4	10.5					20/1	ROOF SERVICE RECEPT.	
27					11.4	6.6					
29							11.4	6.6			
31	SF-1	35/3	16.7	6.6					20/3	RF-7	
33					16.7	10.6					
35							16.7	10.6			
37	RF-1	50/3	24.2	10.6					20/1	SPARE	
39					24.2						
41							24.2				
			167.8		155.6		145.1				



NOTES:

- ALL MATERIAL PLACED IN GRAVEL/ROADWAY AREAS SHALL BE COMPACTED IN MAXIMUM 6" LIFTS.
- THIS TRENCH DETAIL SHALL INCLUDE THE REQUIREMENTS COMMON TO MORE THAN ONE SECTION OF DIVISION 2 OF THE SPECIFICATIONS.

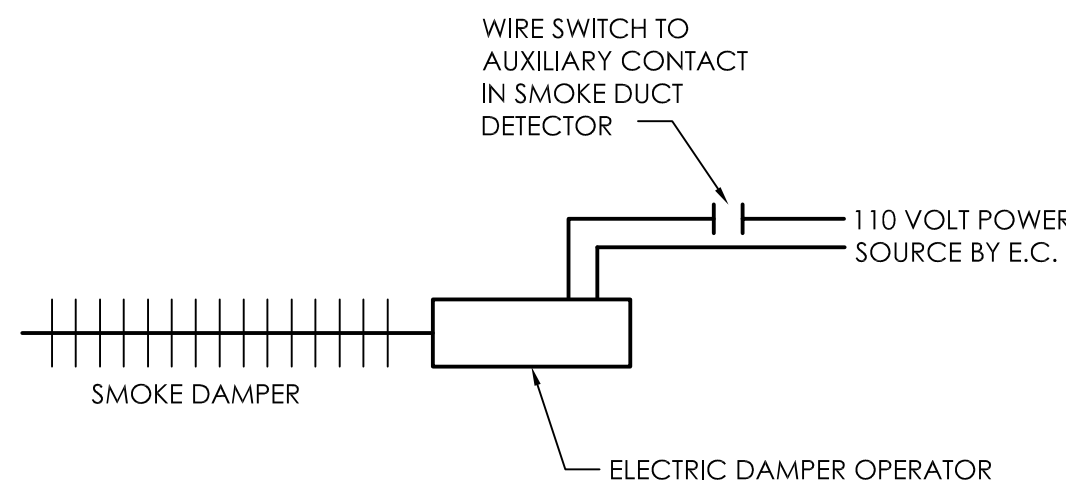
1  
E901  
TYPICAL TRENCH DETAIL FOR CONDUIT  
NOT TO SCALE



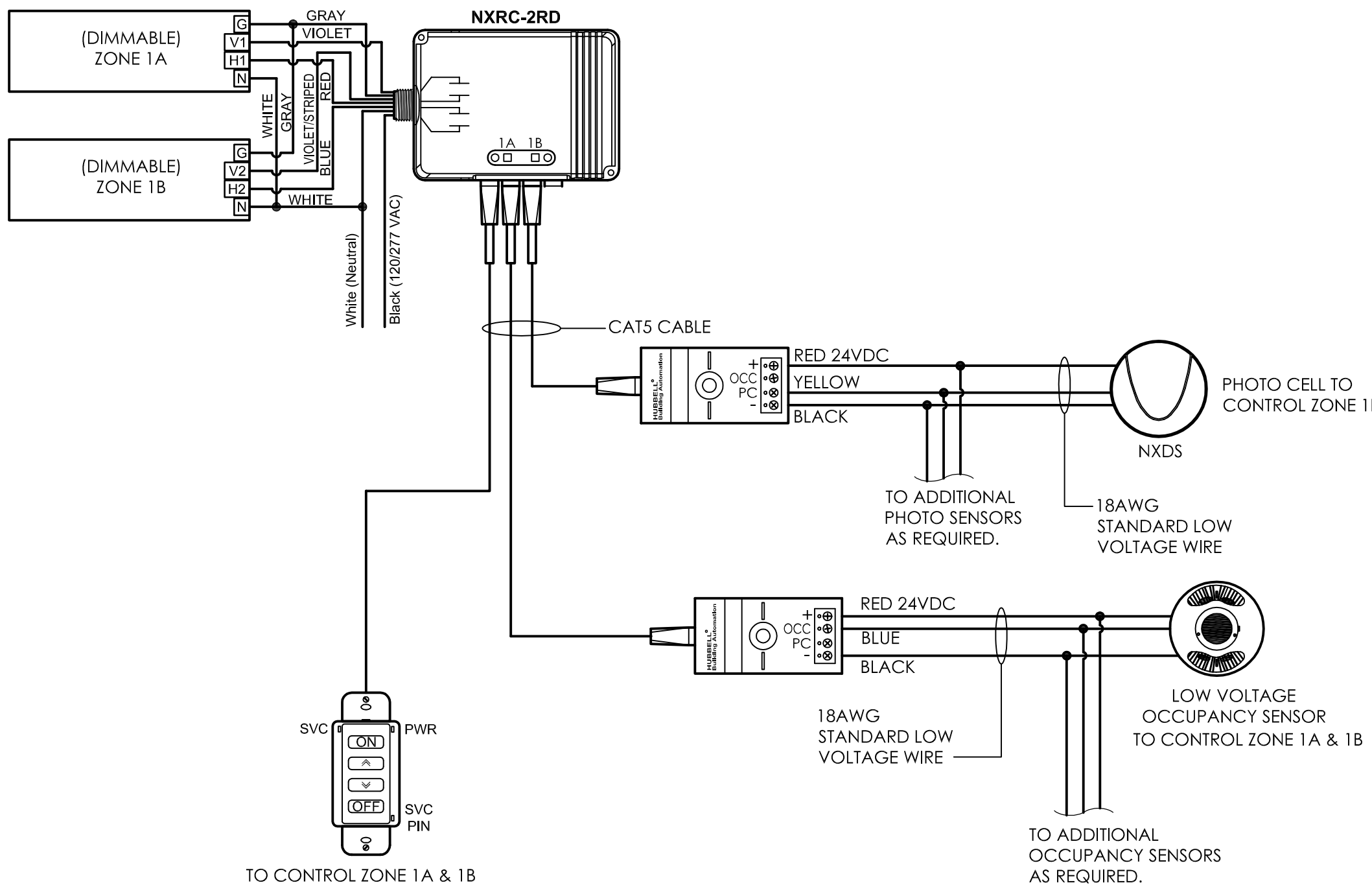
NOTES:

- PROVIDE QUAZITE OPEN BOTTOM POLYMER HANDHOLE OR EQUAL.
- COORDINATE DEPTH OF HANDHOLES WITH FIELD CONDITIONS. HANDHOLES TO BE LOCATED IN NON-TRAFFIC GRASS AREAS WITH TOP FLUSH WITH FINISHED GRADE.
- PROVIDE 12" MINIMUM CRUSHED STONE BELOW HANDHOLE FOR DRAINAGE.
- FILL AND COMPACT THE SOIL AROUND THE HANDHOLE TO GRADE LEVEL WITH THE COVER ON THE ENCLOSURE.

2  
E901  
TYPICAL HANDHOLE DETAIL  
NOT TO SCALE



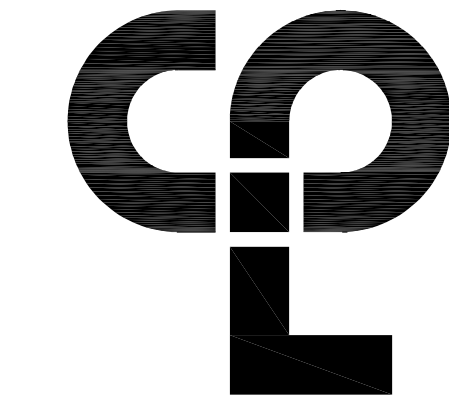
3  
E901  
SMOKE DAMPER CONTROL DETAIL  
NOT TO SCALE



4  
E901  
TYPICAL LIGHTING CONTROL DIAGRAM  
NOT TO SCALE

LIGHTING CONTROL NOTES:

- A. DETAIL SHOWN IS A TYPICAL LAYOUT AND SHOWN FOR CLARITY OF COMPONENTS AND WIRING. IT IS NOT INTENDED TO SHOW EVERY SCENARIO IN DIFFERENT TYPE SPACES. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE ALL MATERIALS REQUIRED TO PROVIDE THE QUANTITY OF CONTROL ZONES, CIRCUITS, AND DIMMING ARRANGEMENTS SHOWN ON LIGHTING PLANS.



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PROJECT INFORMATION

Project Number  
13940.18  
Client Name  
NEWBURGH ENLARGED CITY  
SCHOOL DISTRICT  
Project Name  
PHASE 3: HERITAGE MIDDLE  
SCHOOL 2019 CAPITAL  
IMPROVEMENT PROJECT

Project Address  
405 Union Avenue, New Windsor, NY 12553

SED Number  
44-16-00-01-0-039-011

REVISION SCHEDULE

No. Date Description

SHEET INFORMATION

Issued  
09/06/2021  
Scale  
AS NOTED  
CONSTRUCTION DOCUMENTS  
Drawn by  
RJD  
Checked by  
ARM  
Drawing Title  
ELECTRICAL DETAILS AND  
PANELBOARD SCHEDULES  
Drawing Number

HMS  
E901