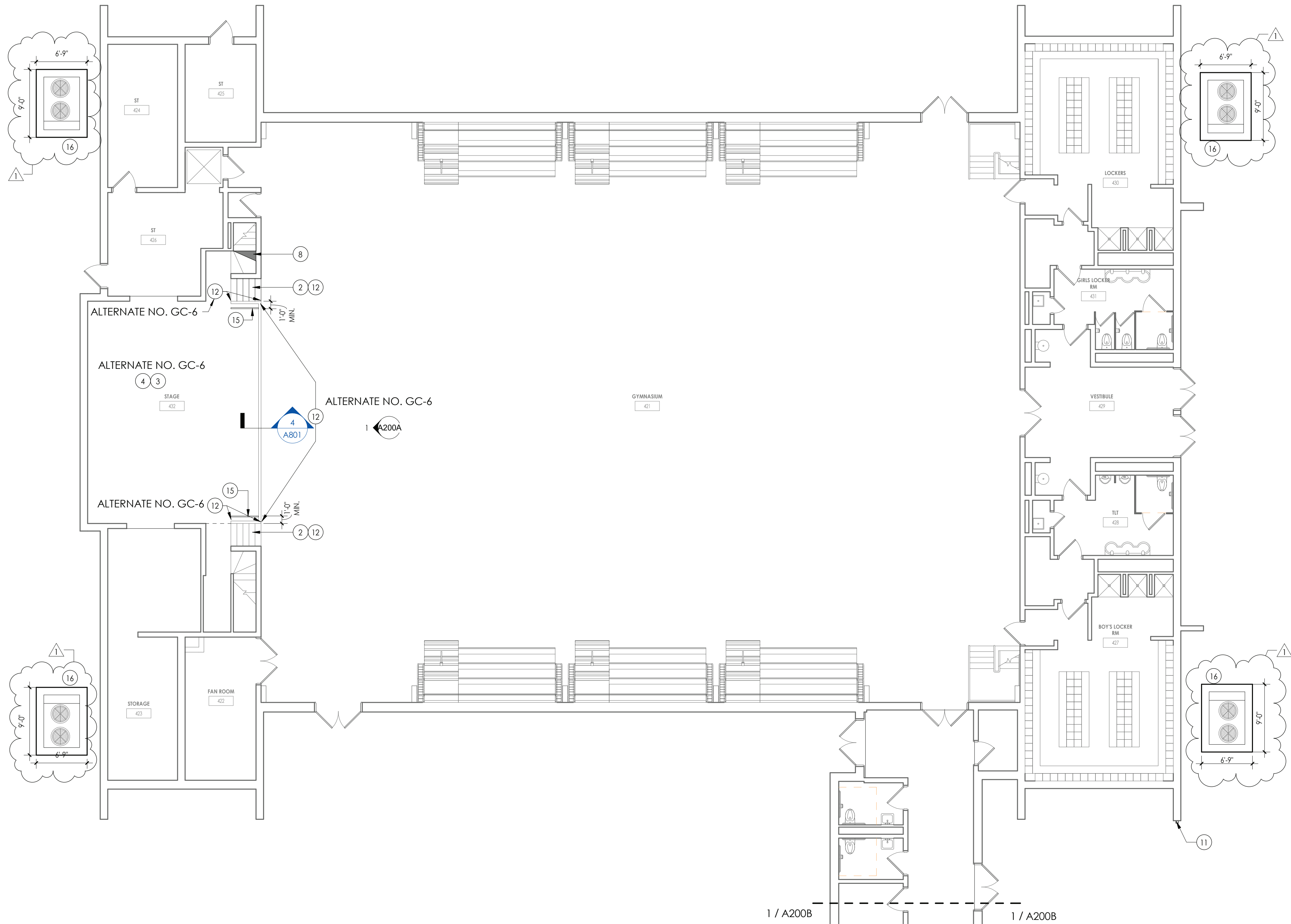


1
A200A
1/4" = 1'-0"

GYM STAGE INTERIOR ELEVATION



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

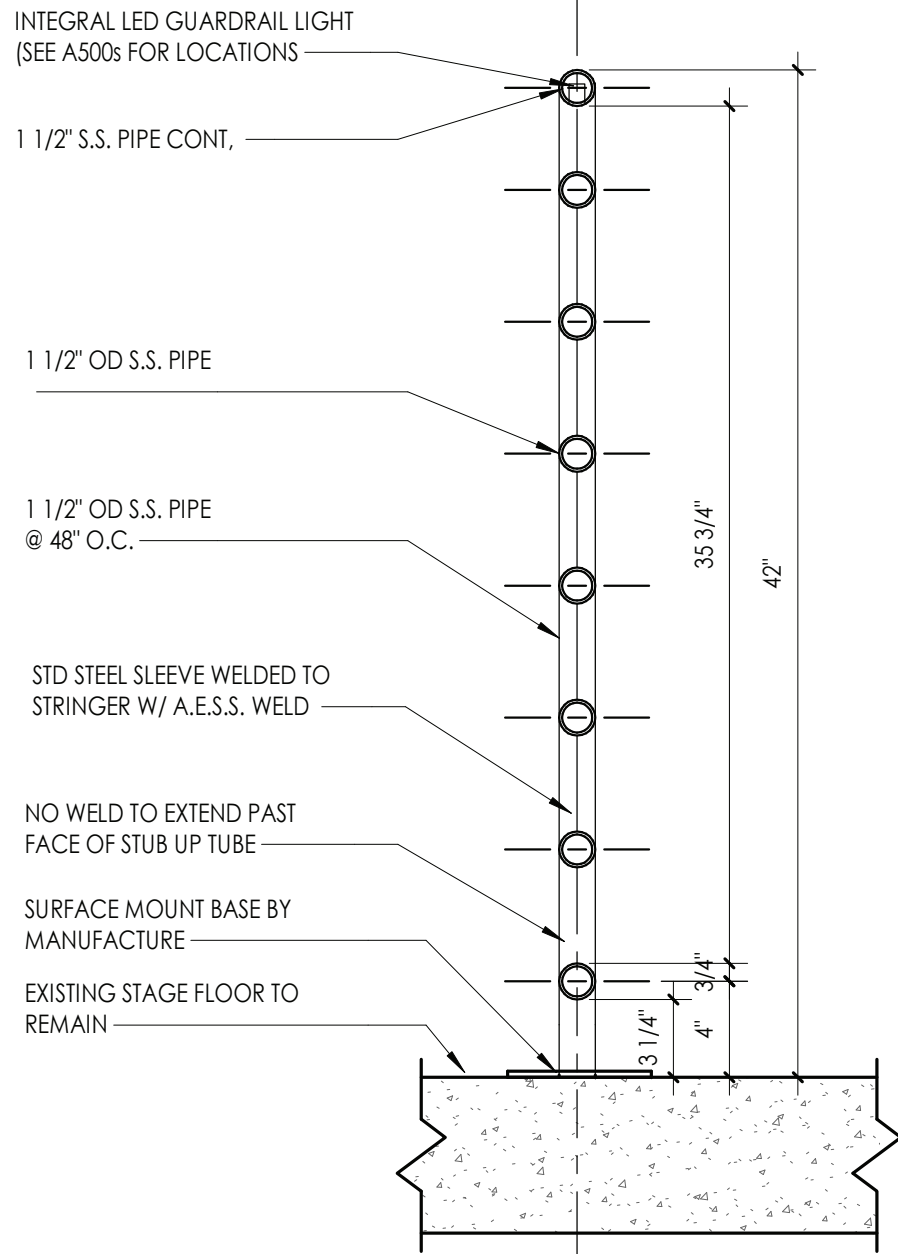
GROUND FLOOR AREA A - NEW WORK

FLOOR PLAN GENERAL NOTES

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

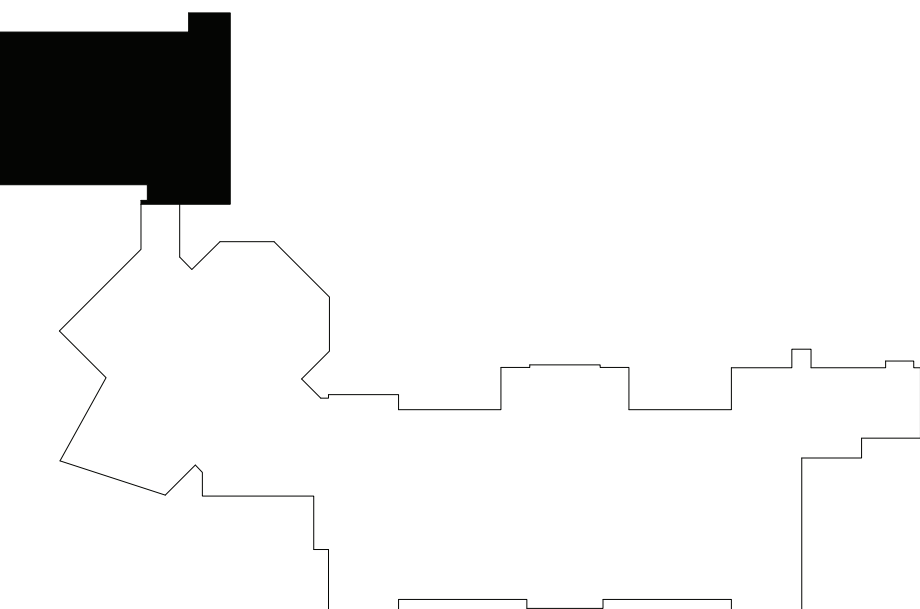
FLOOR PLAN KEY NOTES

1. 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 M.C. 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
16. CONCRETE MOVEMENT ALLOWED EQUIPMENT PAD. REFER TO DETAIL 6/SB02 AND H DRAWINGS. COORDINATE WITH MECHANICAL CONTRACTOR FOR EXACT SIZE AND LOCATION.

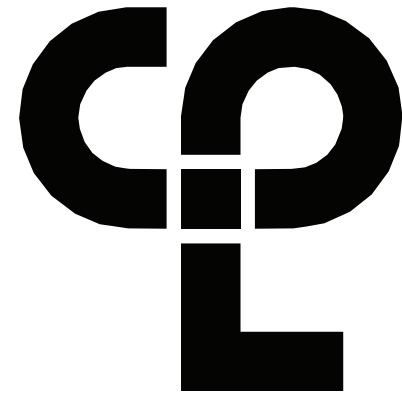


3
A200A
1 1/2" = 1'-0"

HANDRAIL INTO CONCRETE



KEYPLAN AREA A
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
1	09/21/21	BID ADDENDA 1

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SHEET INFORMATION

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9/9/2021
Scale
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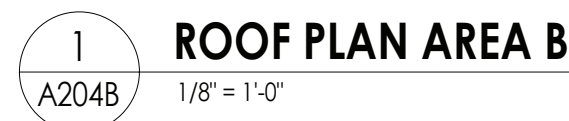
Project Status
CONSTRUCTION DOCUMENTS

Drawn By
CPL
Checked By
CPL

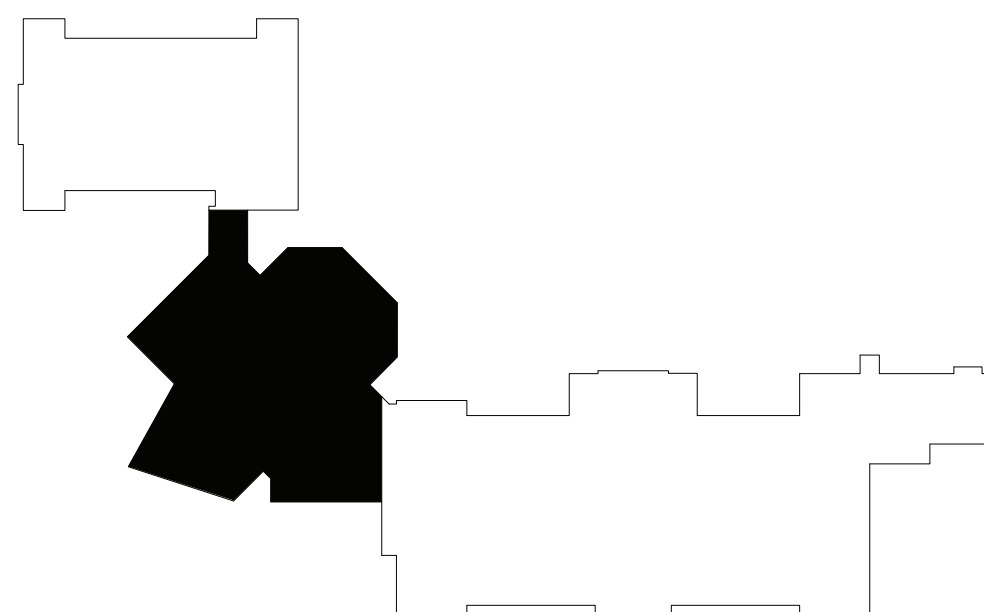
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**GROUND FLOOR AREA A - NEW
WORK PLAN**

Drawing Number

**HMS
A200A**



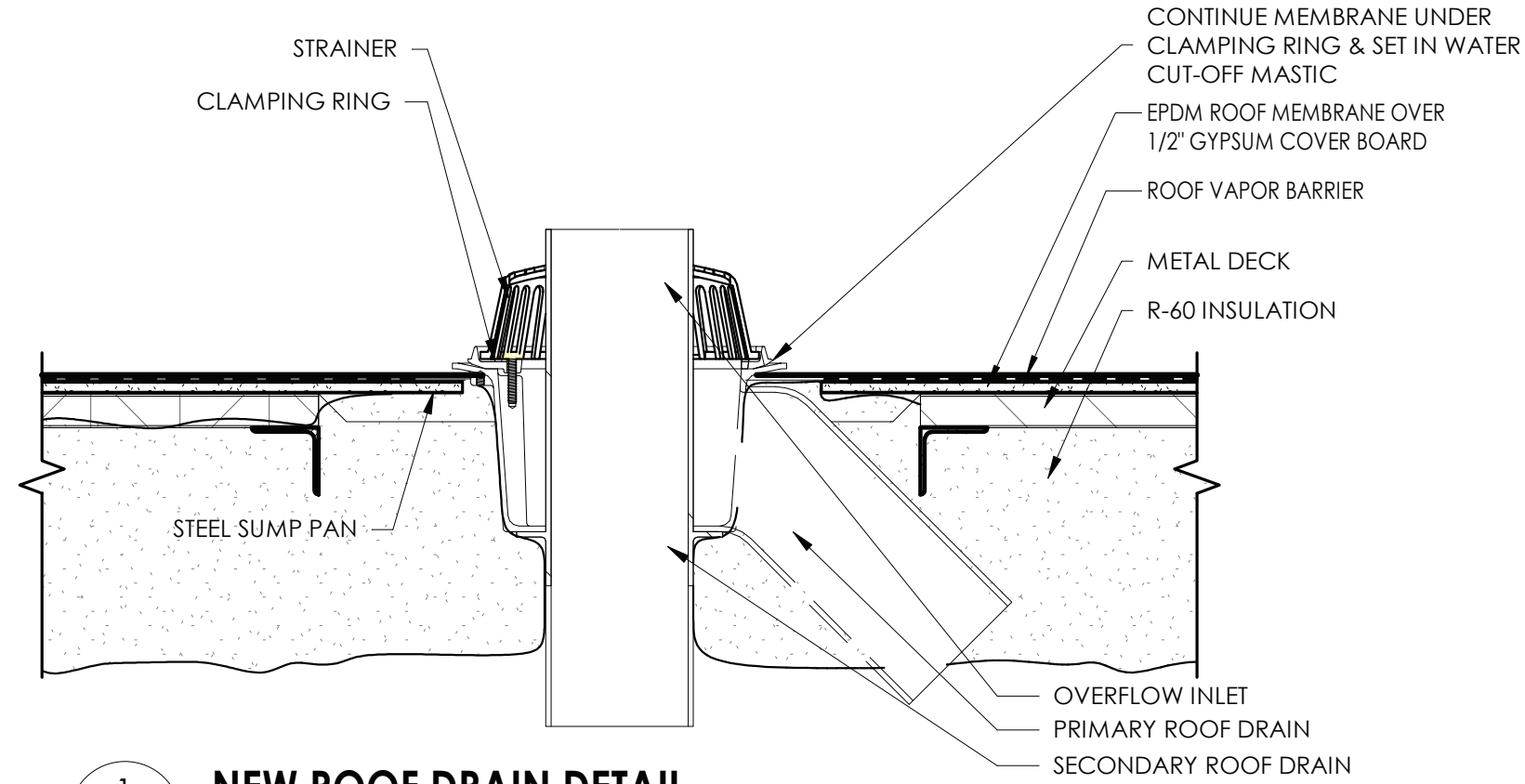
HMS
A204B



KEYPLAN AREA B

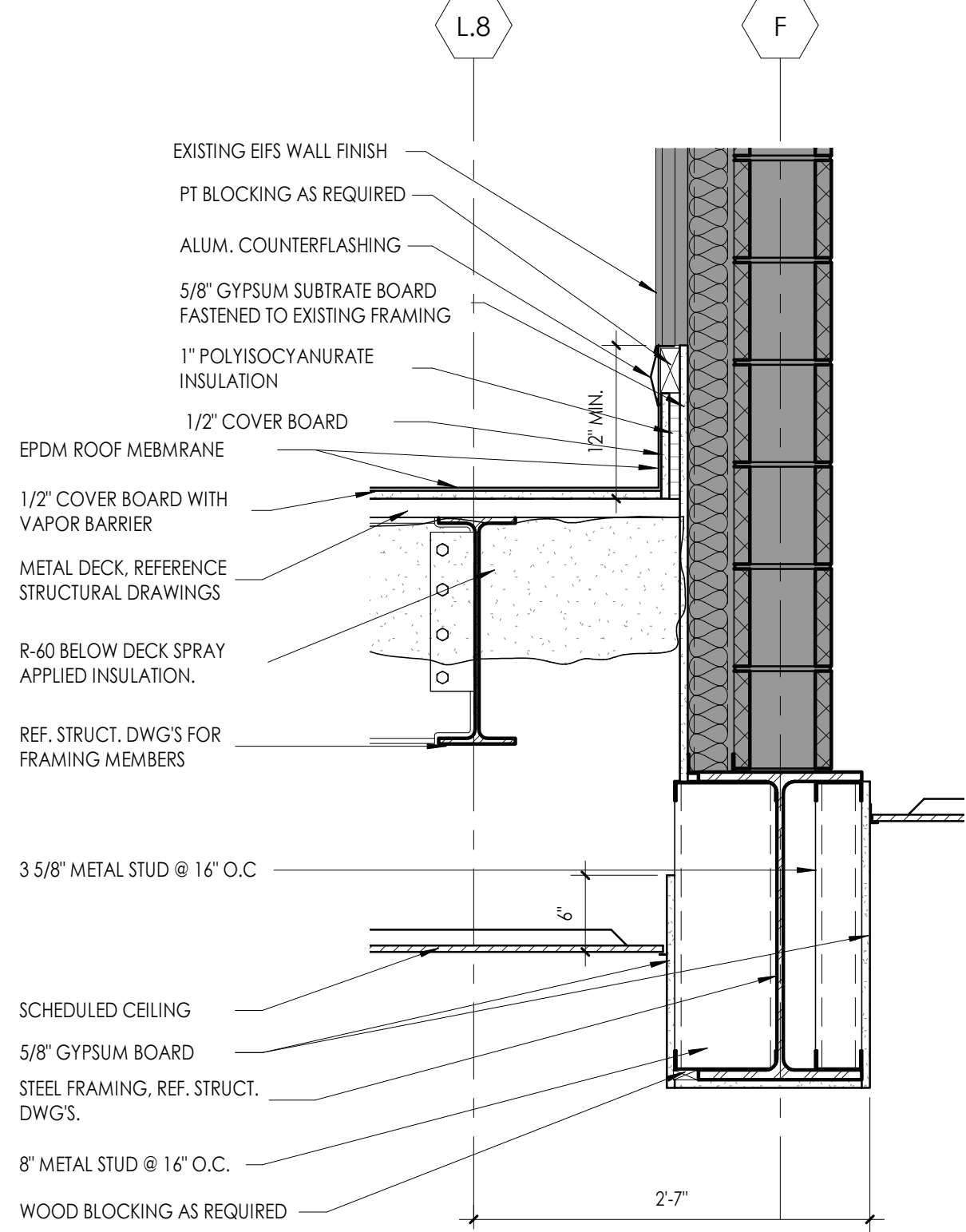
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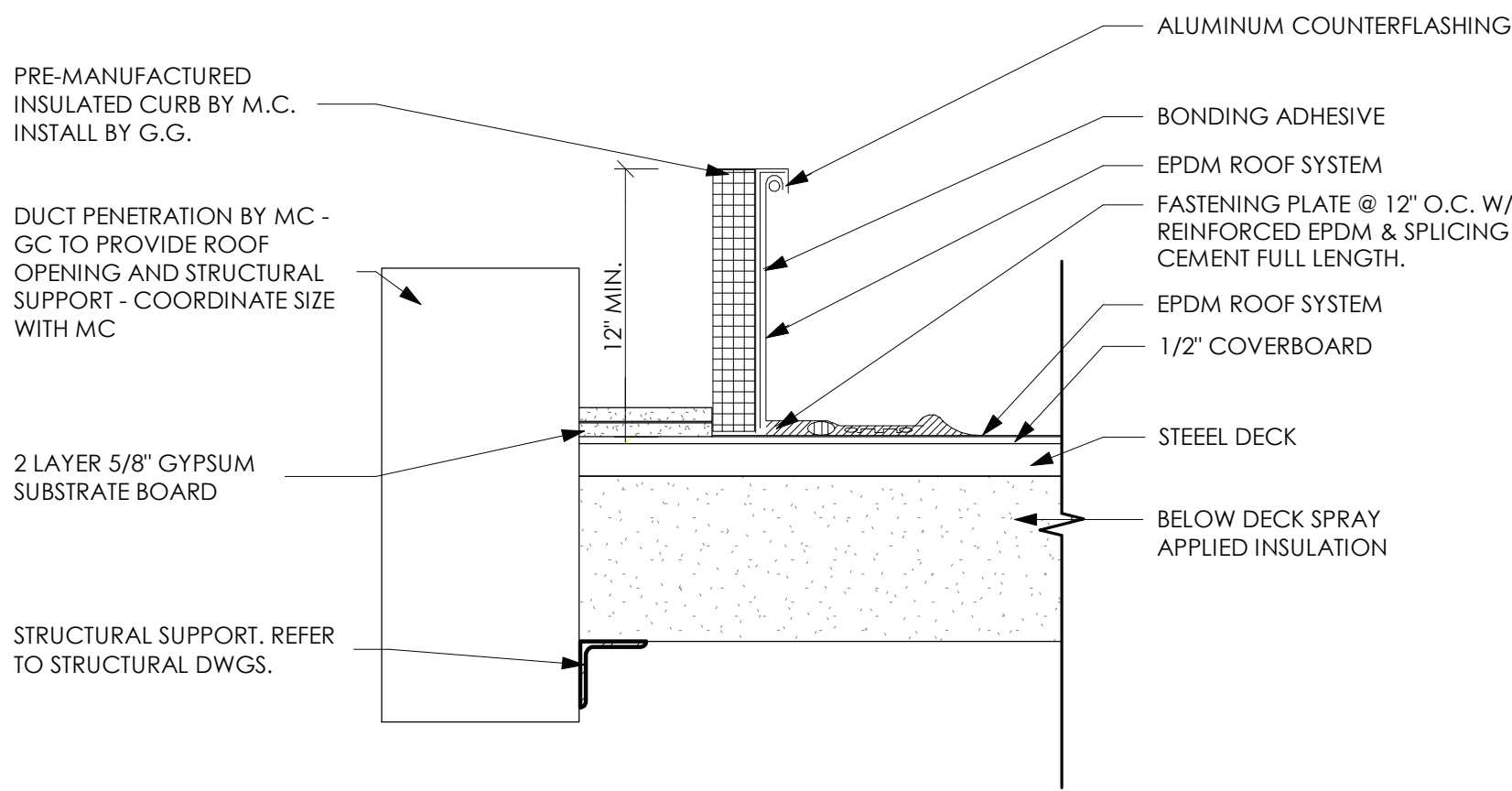
1 NEW ROOF DRAIN DETAIL

A205 1 1/2" = 1'-0"



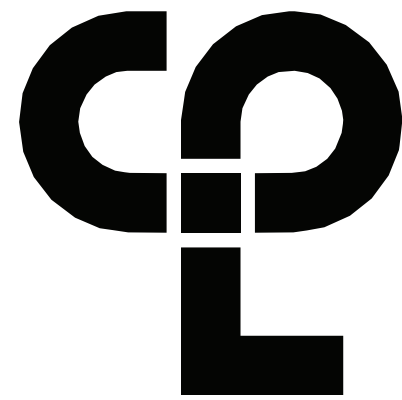
2 ROOF TO EXISTING WALL DETAIL

A205 1" = 1'-0"



3 TYPICAL ROOF CURB FLASHING DETAIL

A205 1 1/2" = 1'-0"



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Project Name
PHASE 3: HERITAGE MIDDLE
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9/9/2021	As indicated

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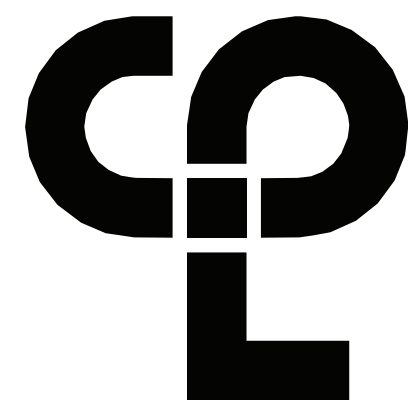
Drawn By	Checked By
CPL	CPL

Drawing Title

ROOF DETAILS AT NEW ROOF

Drawing Number

HMS
A205



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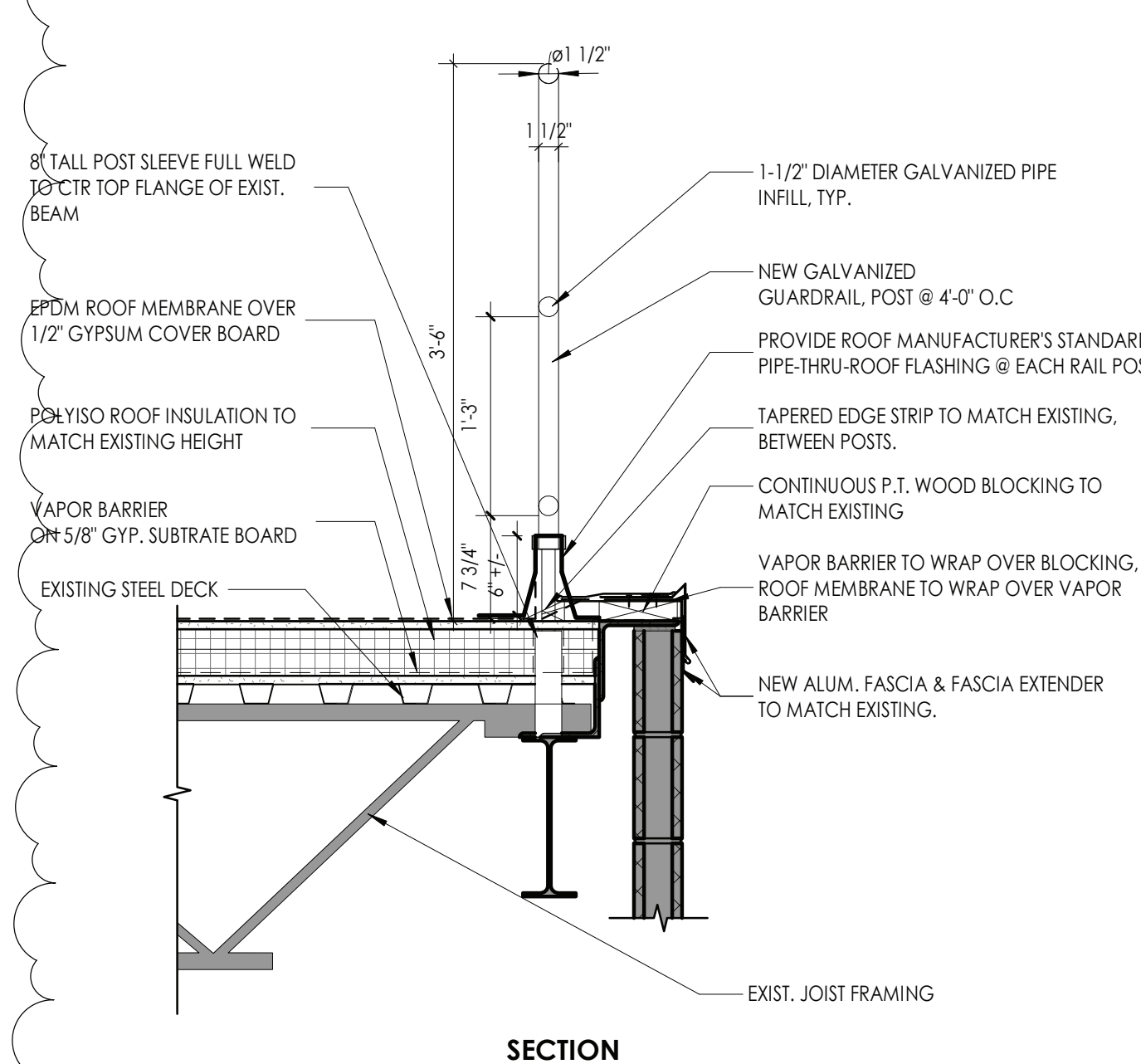
Project Number
13940.18
Client Name
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Project Name
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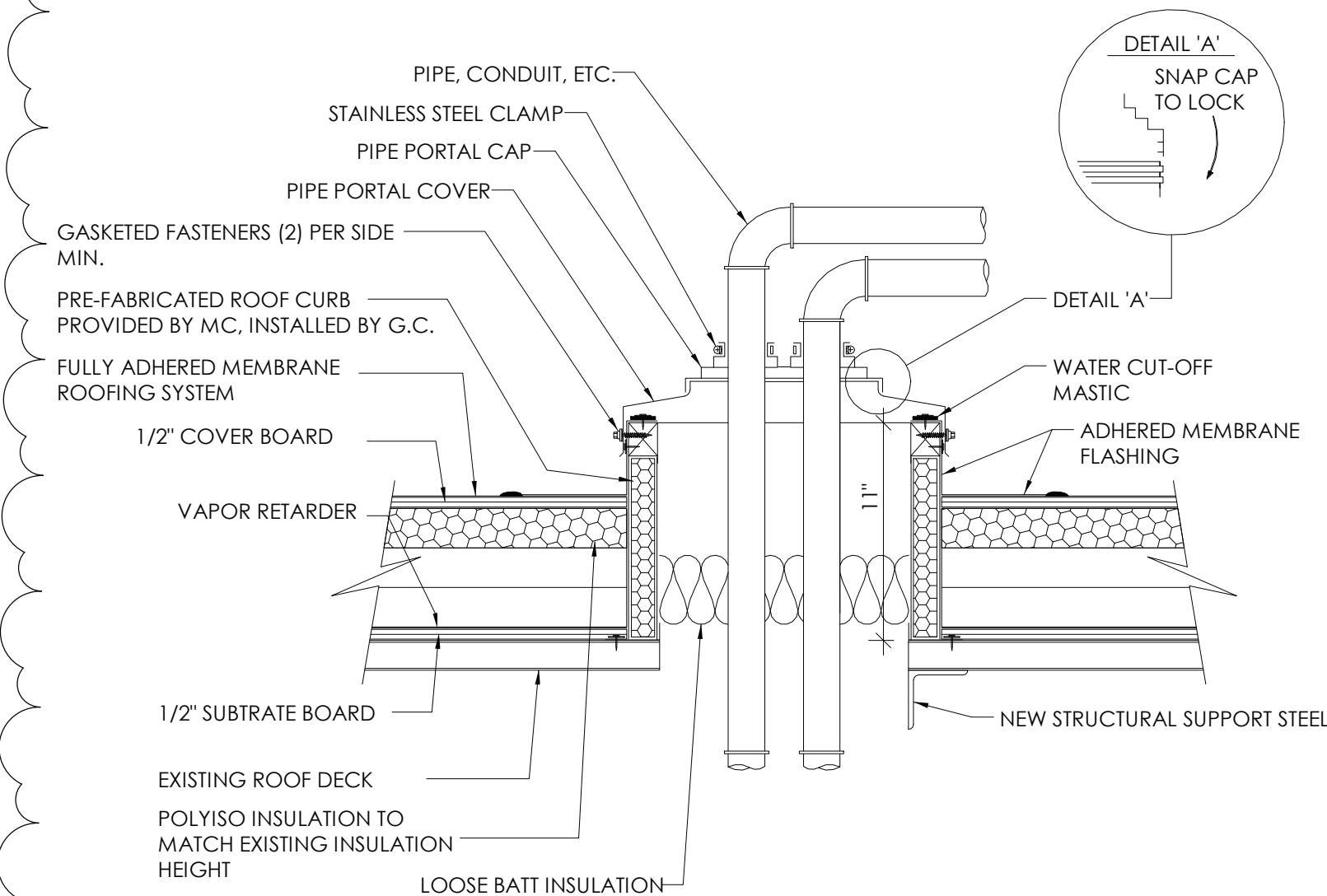
PROJECT ISSUE SCHEDULE

No.	Date	Description
1	09/21/21	BID ADDENDA 1



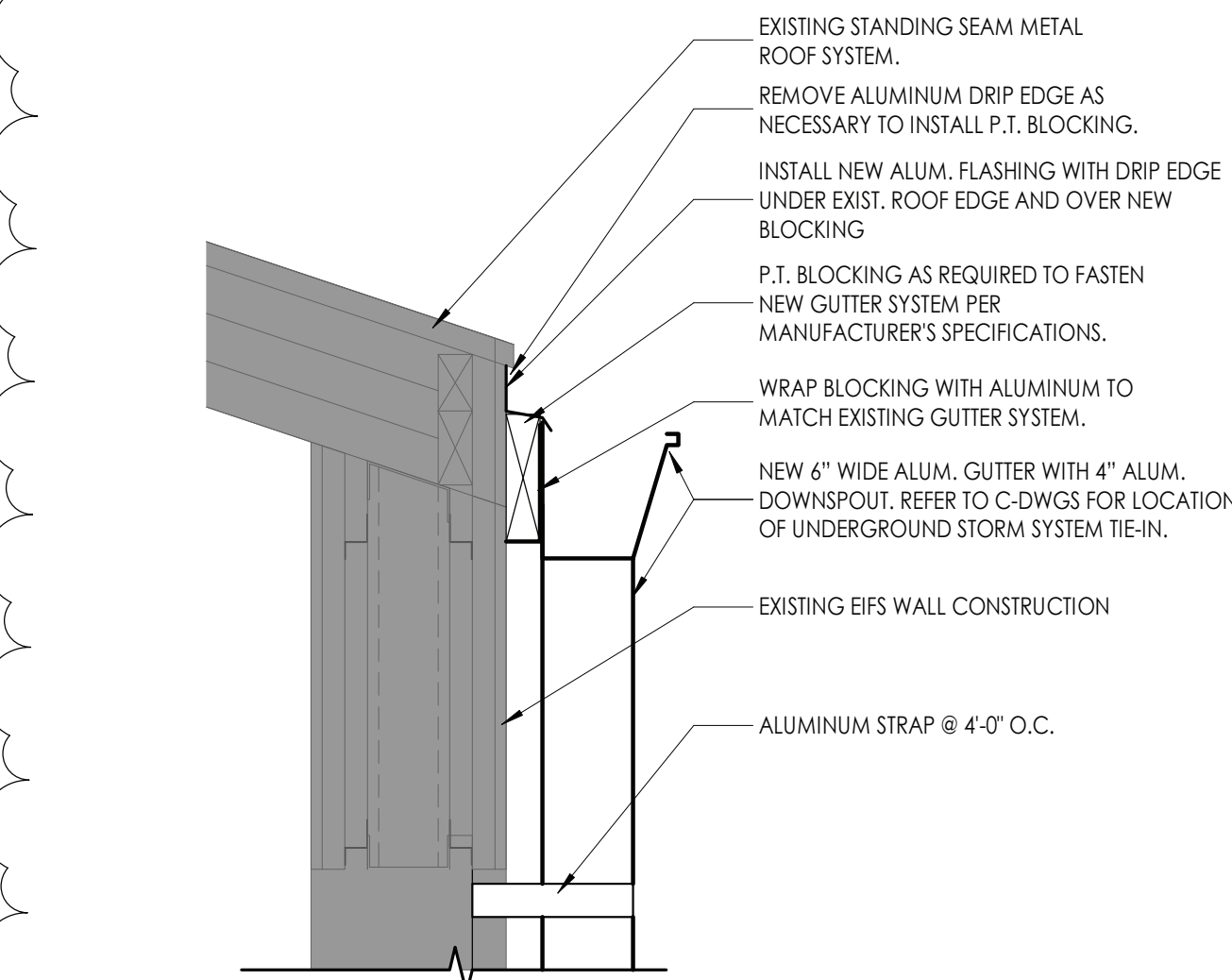
8 ROOF EDGE RAILING CONNECTION DETAIL-SK

1\"/>



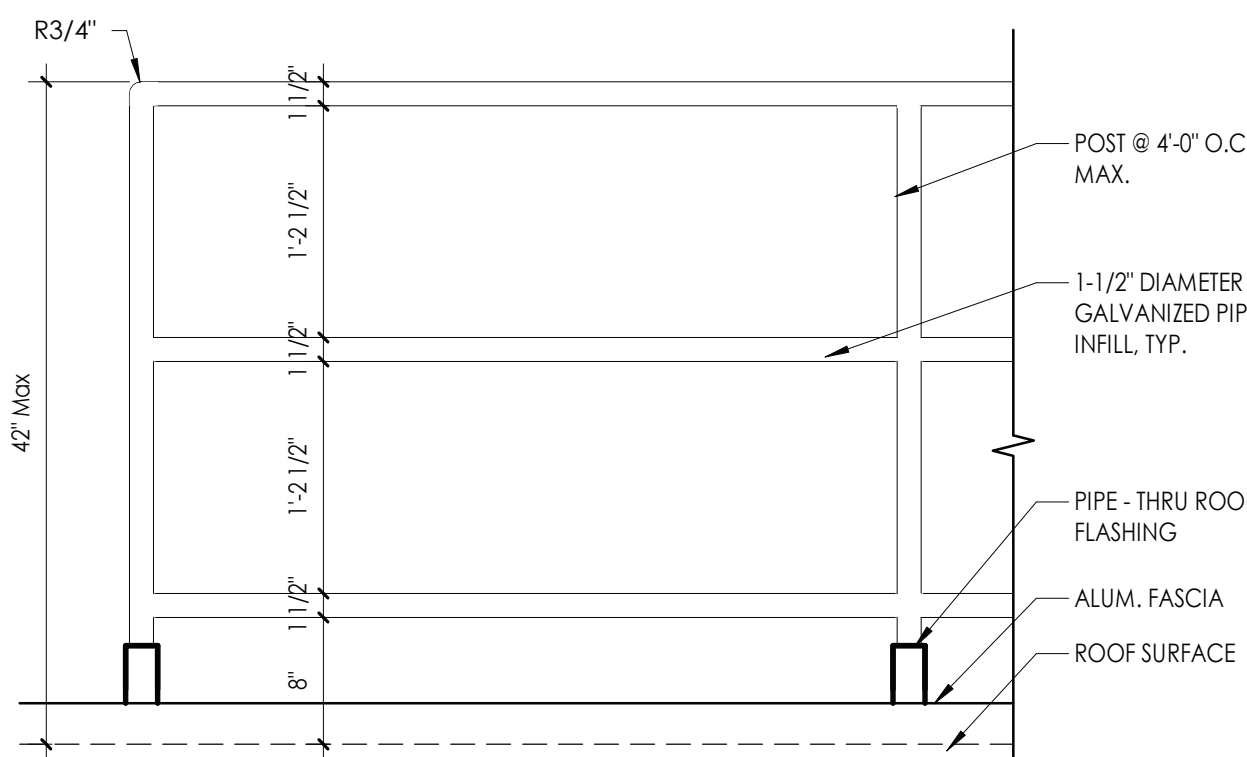
11 PIPE PORTAL DETAL

1\"/>



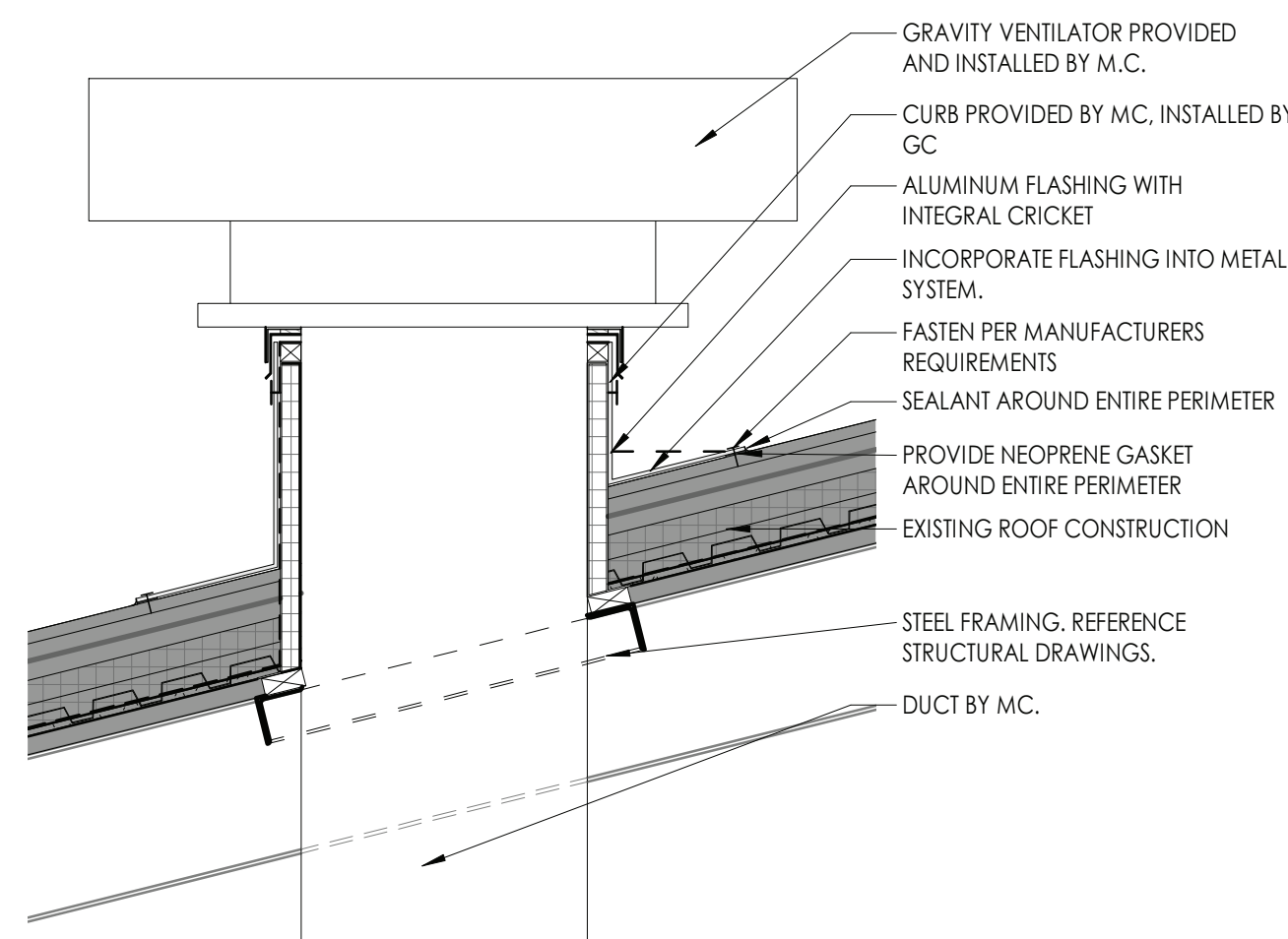
9 NEW GUTTER DETAIL

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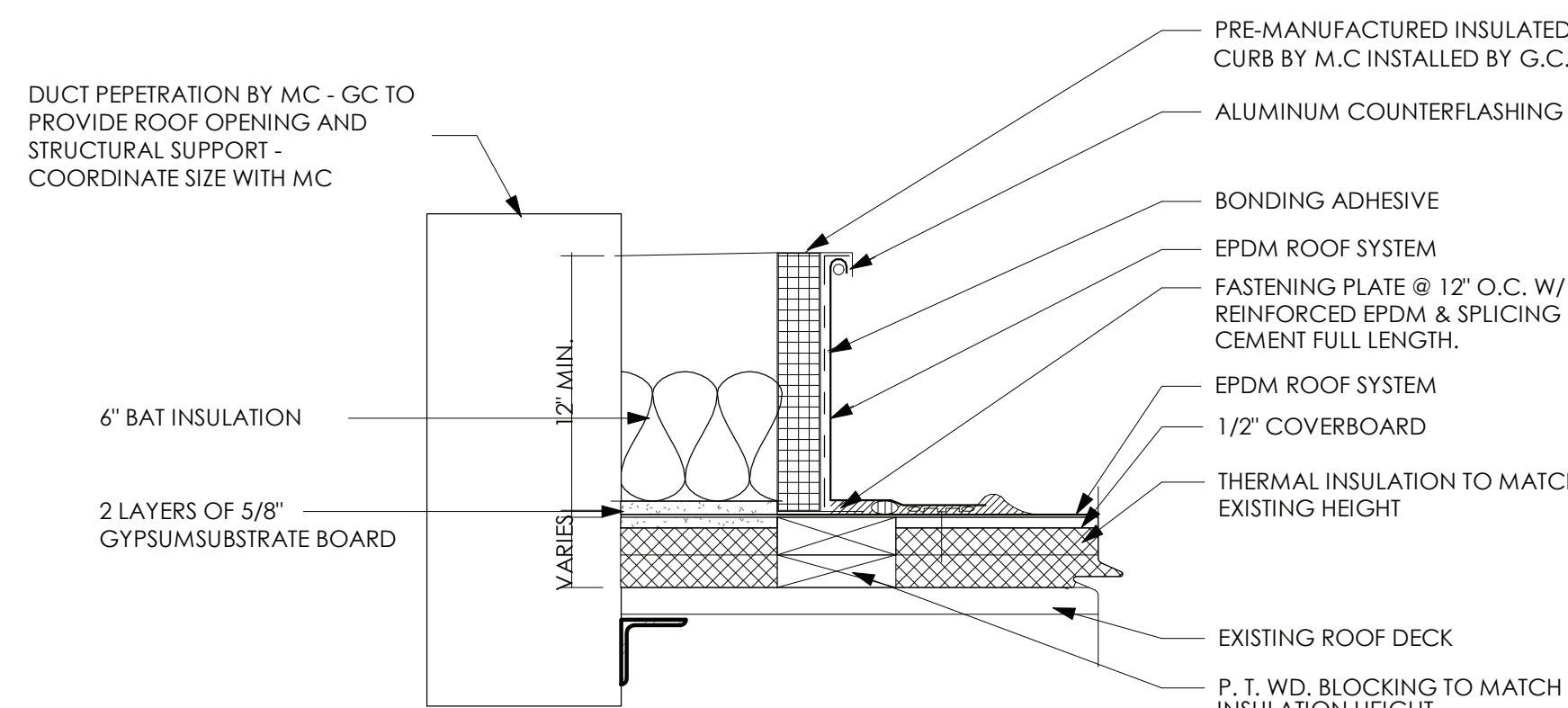
4 TYPICAL ROOF EQUIPMENT RAIL DETAIL

1\"/>



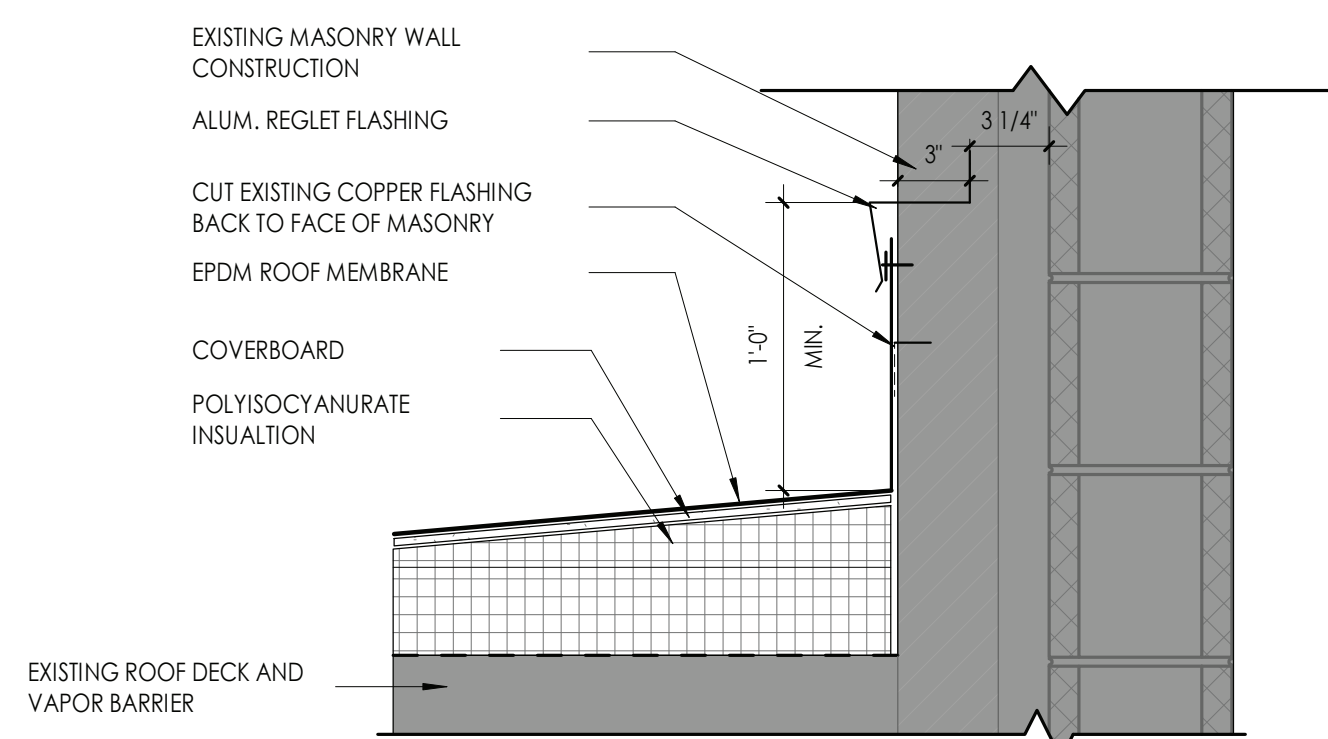
5 ROOF DETAIL @ EXHAUST FAN

3\"/>



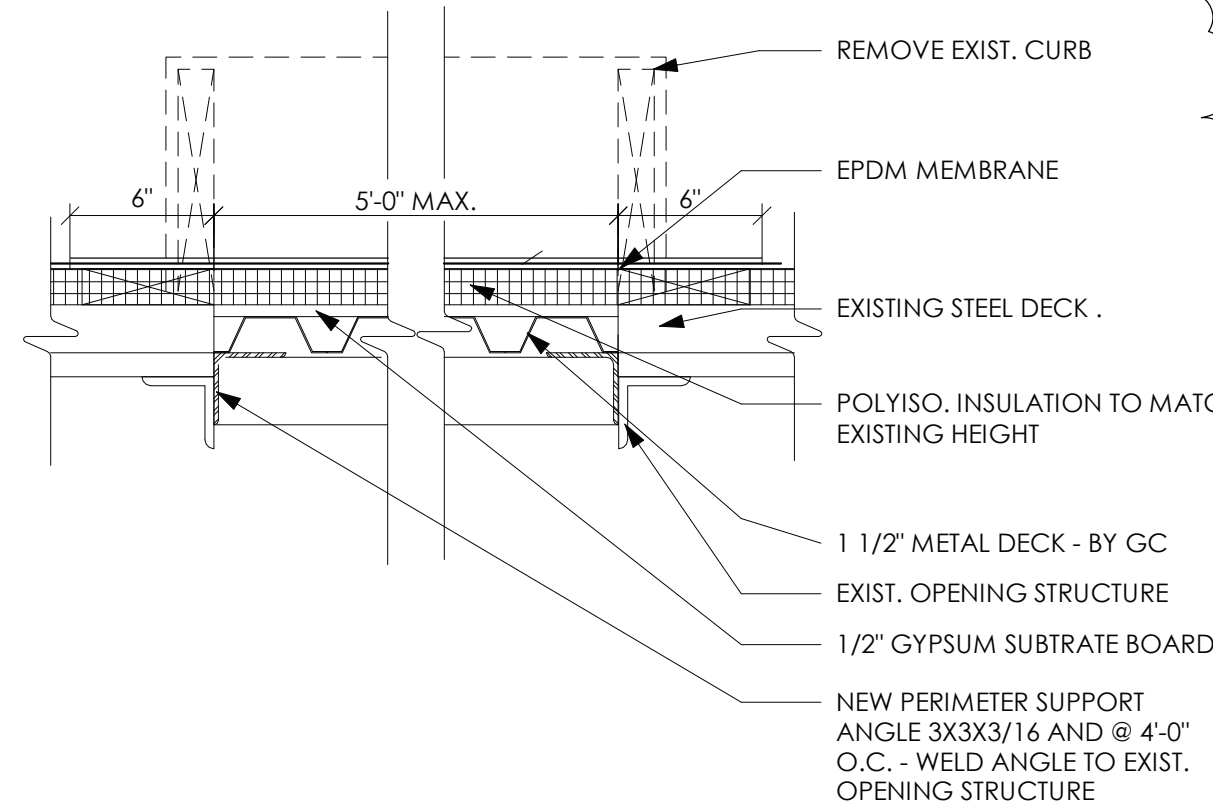
6 TYPICAL NEW ROOF CURB FLASHING- EXISTING

1\"/>



10 ROOF DETAIL AT EXISTING BUILDING

1\"/>

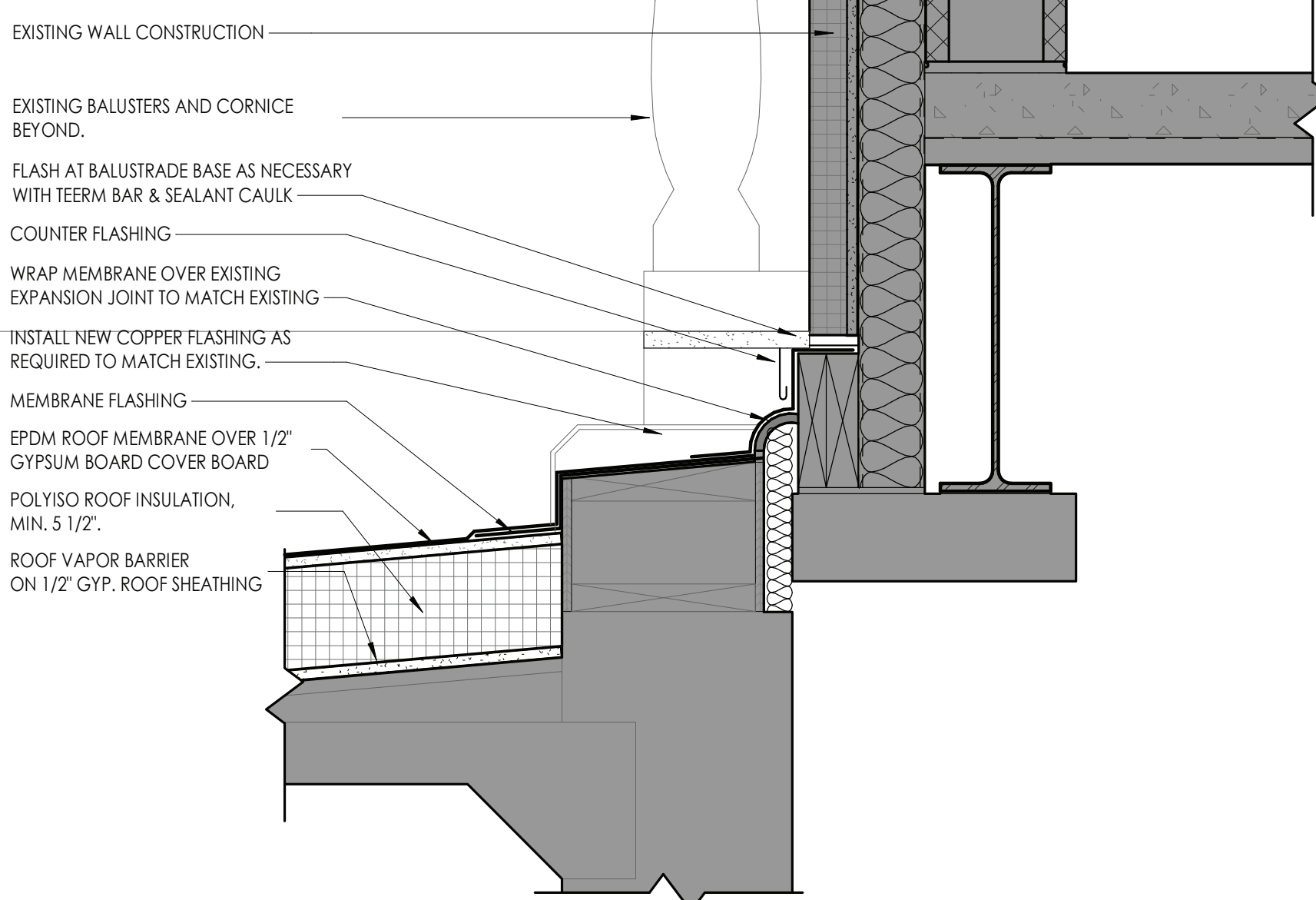


7 TYPICAL ROOF DECK INFILL DETAIL

1\"/>

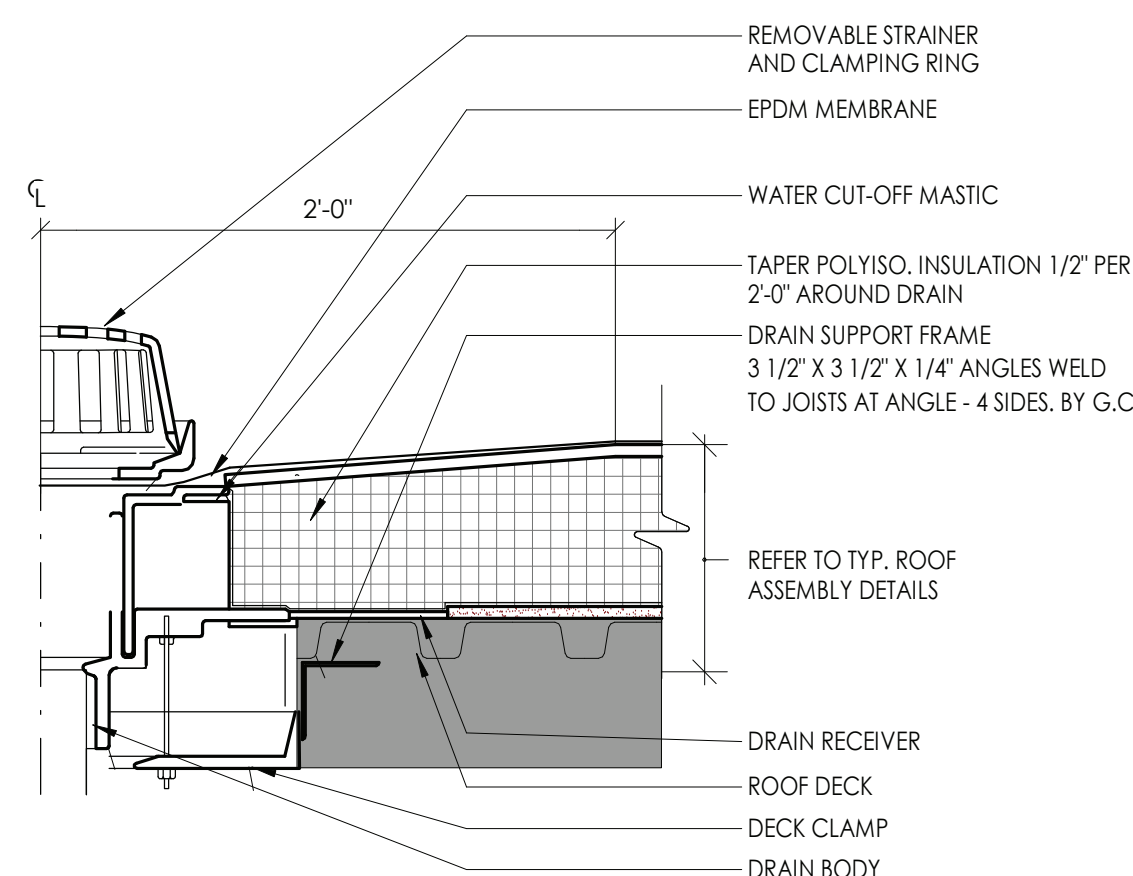
1 ROOF DETAIL @ EXISTING BUILDING EJ DEMOLITION

1\"/>



2 ROOF DETAIL @ EXISTING BUILDING EJ NEW WORK

1\"/>



3 TYP. ROOF DRAIN DETAIL

1\"/>

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Issued	Scale
9/9/2021	As indicated

Project Status

CONSTRUCTION DOCUMENTS

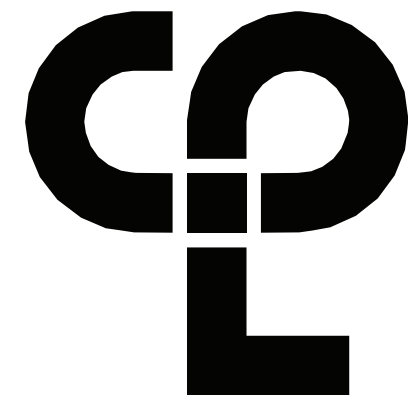
Drawn By	Checked By
Author	Checker

Drawing Title

ROOF DETAILS AT EXISTING ROOF

Drawing Number

HMS
A206



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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
1	09/21/21	BID ADDENDA 1

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SHEET INFORMATION

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

Drawing Number

HMS
I300B

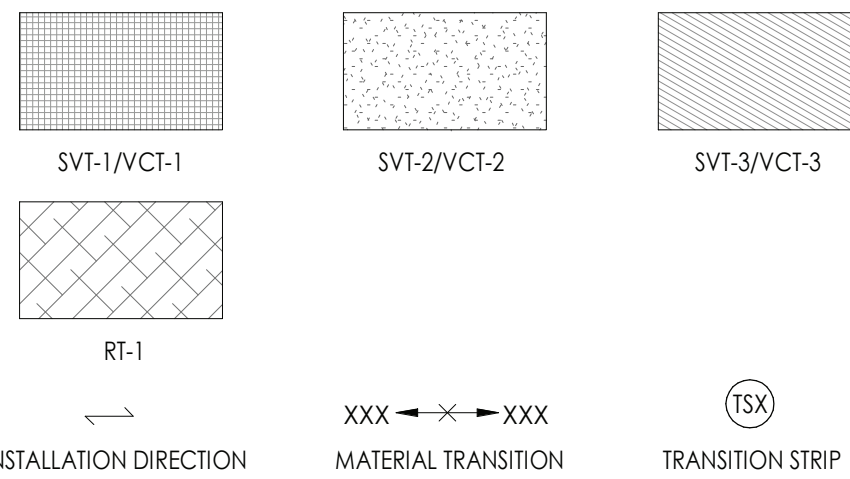
FLOOR PATTERNING GENERAL NOTES

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.

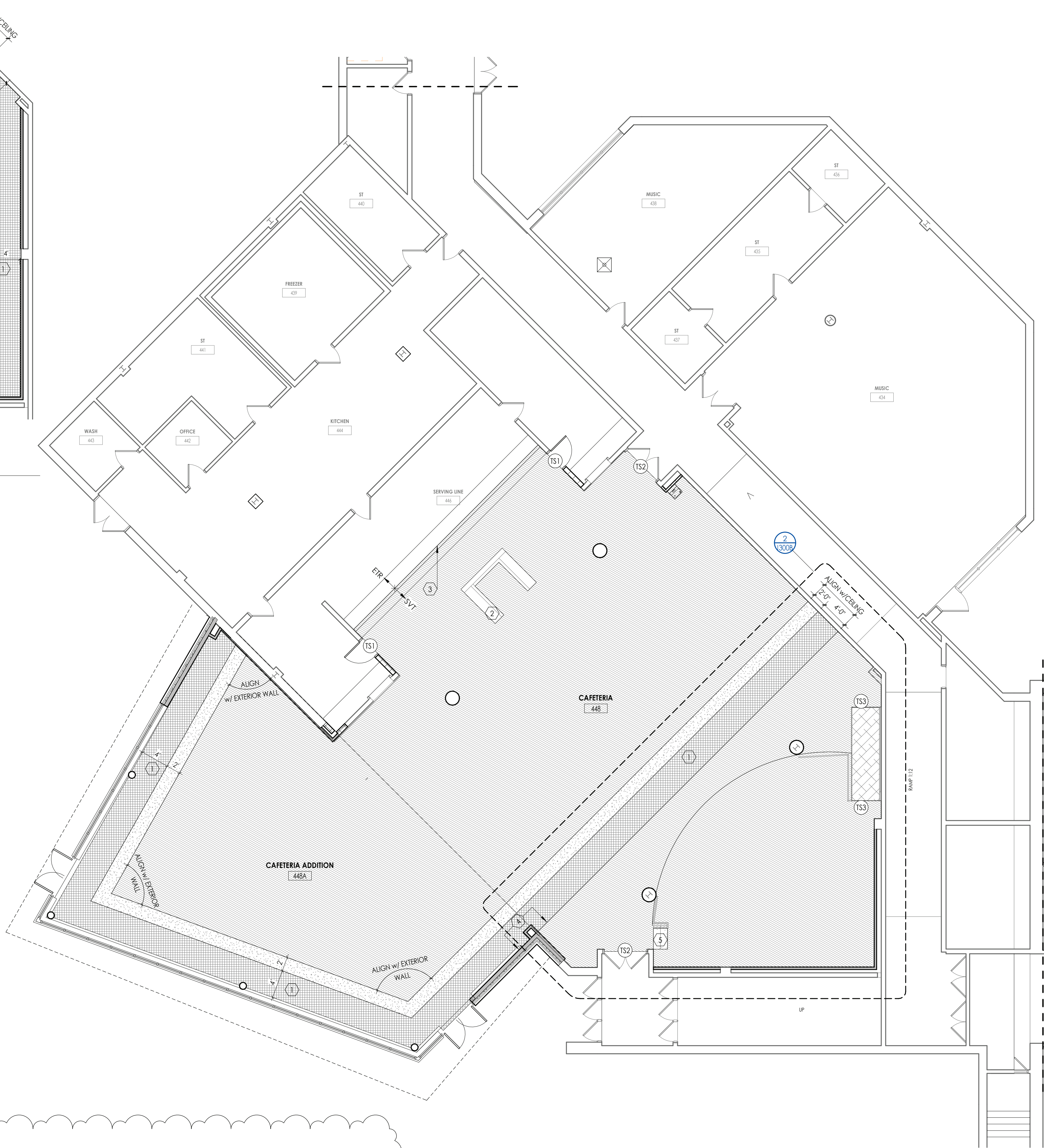
FLOOR PATTERNING KEY NOTES

- 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



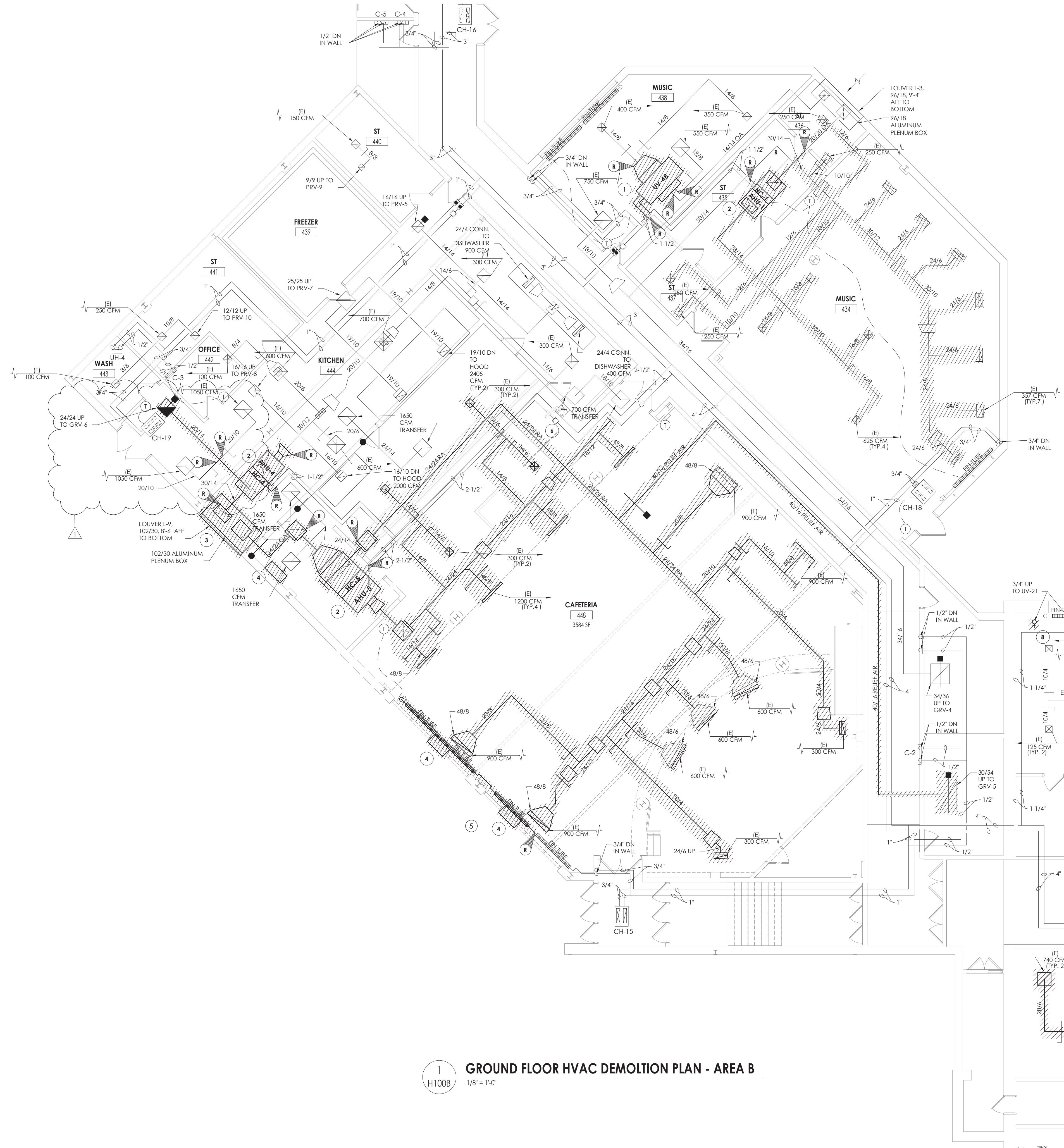
2
I300B
GROUND FLOOR PATTERN PLAN - AREA B ALTERNATE GC-5
1/8" = 1'-0"



1
I300B
GROUND FLOOR PATTERN PLAN - AREA B BASE BID
1/8" = 1'-0"



KEYPLAN AREA B
NTS



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

KEY NOTES

- 1 REMOVE EXISTING UNIT VENTILATOR. SAVE CONTROL VALVE ACTUATOR AND PREPARE CONTROL WIRING FOR NEW UNIT.
- 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 PIRING FOR NEW CONNECTION
- 6 RELOCATE APPROXIMATELY 20 LINEAR FEET OF EXISTING 2-1/2" HHWS/R PIPING TO ALLOW FOR INSTALLATION OF NEW DIVIDING WALL.

PROJECT INFORMATION

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13940.18
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NEWBURGH ENLARGED CITY
SCHOOL DISTRICT
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405 Union Avenue, New Windsor, NY 12553

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SHEET INFORMATION

Issued	Scale
09/09/2021	As indicated
Project Status	CONSTRUCTION DOCUMENTS
Drawn By	Checked By
JRH	JJM
Drawing Title	GROUND FLOOR HVAC DEMOLITION PLAN - AREA B

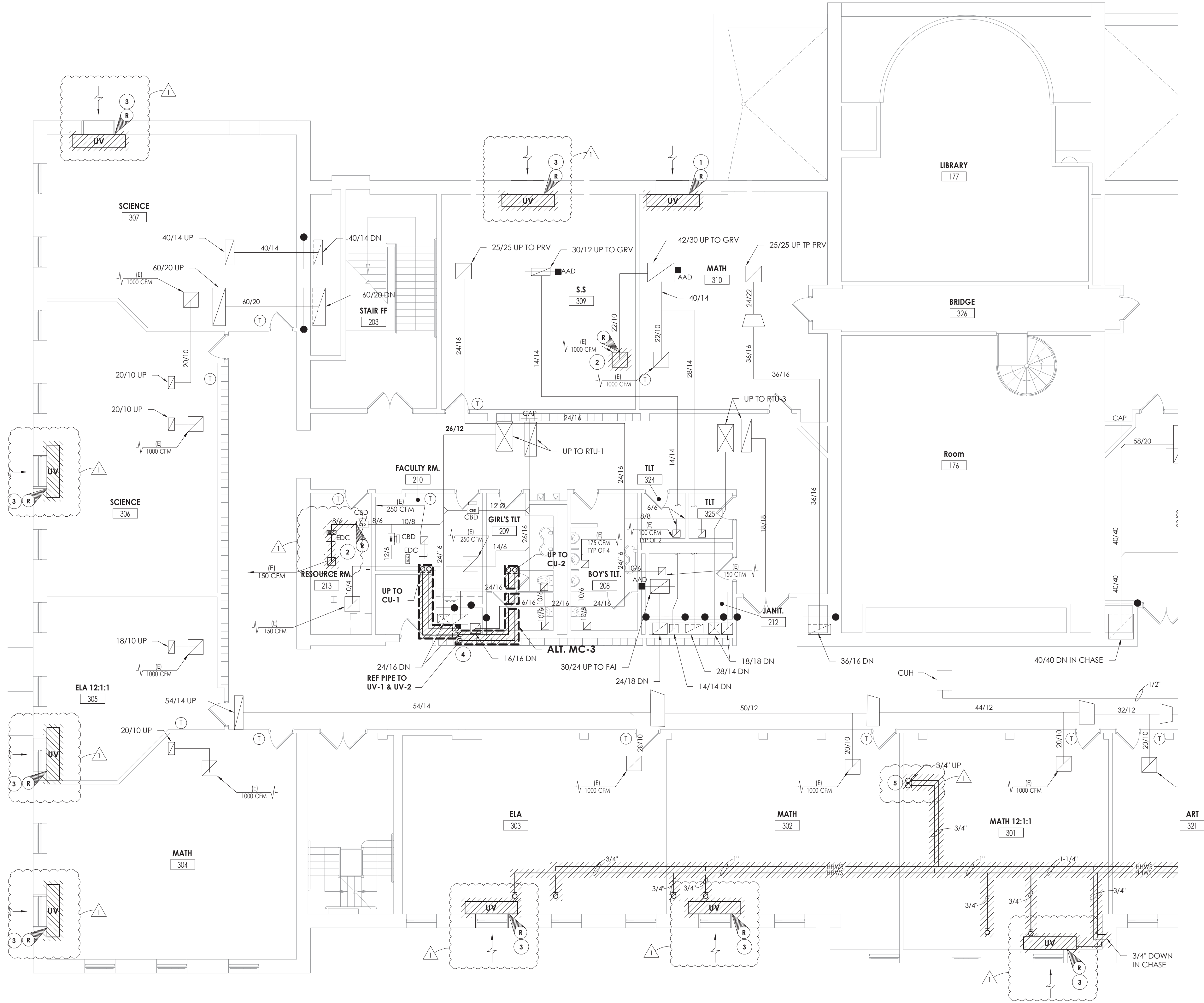
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HMS
H100B



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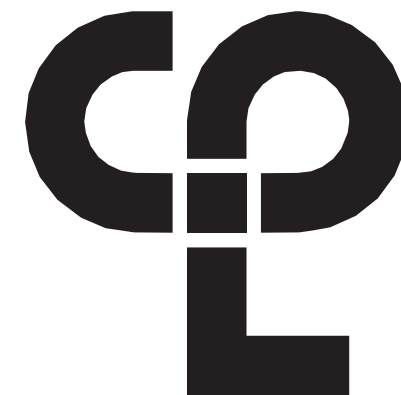
9/21/2021 2:47:43 PM



1 SECOND FLOOR HVAC DEMOLITION PLAN - AREA C
H102C 1/8" = 1'-0"

KEY NOTES

- 1 REMOVE EXISTING UNIT VENTILATOR AND OUTDOOR AIR LOUVER. SAVE CONTROLS AND CONTROL WIRING.
- 2 REMOVE DUCTWORK TO POINT INDICATED AND PREPARE DUCTWORK FOR NEW CONNECTION.
- 3 REMOVE EXISTING UNIT VENTILATOR. SAVE CONTROL VALVE ACTUATOR AND PREPARE CONTROL WIRING FOR EXTENSION TO NEW UNIT. OUTDOOR AIR LOUVER TO REMAIN.
- 4 REMOVE EXISTING REFRIGERANT LINES IN ENTIRETY.
- 5 REMOVE PIPING TO POINT INDICATED AND PREPARE FOR NEW CONNECTION.



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PROJECT INFORMATION

Project Number
13940.18
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Project Name
PHASE 3: HERITAGE MIDDLE SCHOOL 2019 CAPITAL IMPROVEMENT PROJECT

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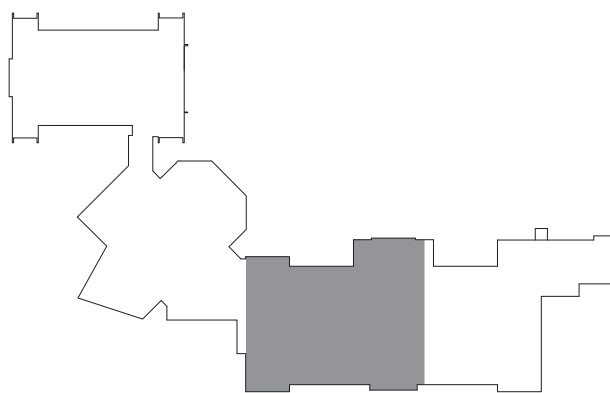
SHEET INFORMATION

Issued
09/09/2021
Scale
As indicated
Project Status
CONSTRUCTION DOCUMENTS
Drawn By
NRH
Checked By
JJM

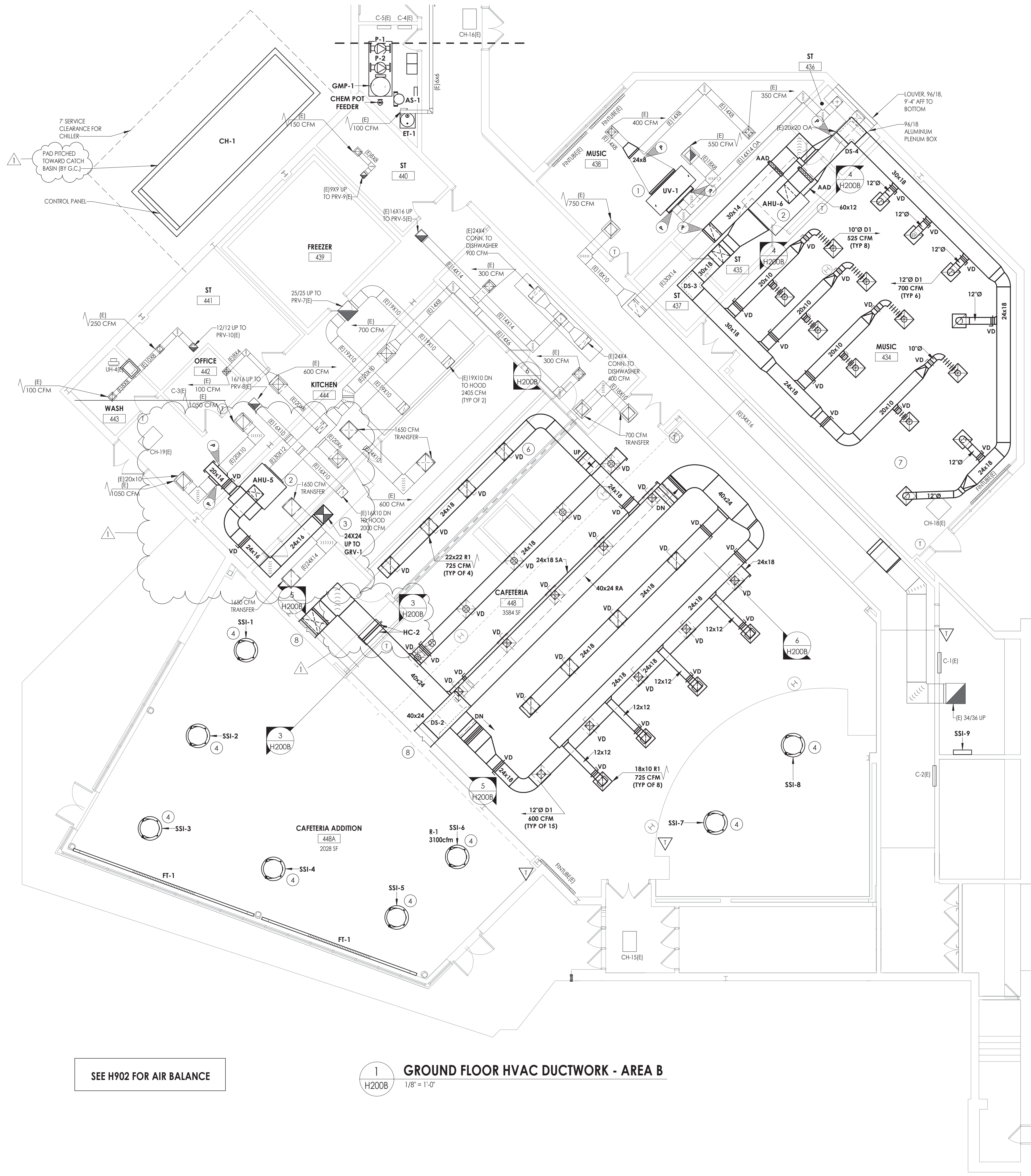
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SECOND FLOOR HVAC DEMOLITION PLAN - AREA C

Drawing Number

HMS
H102C



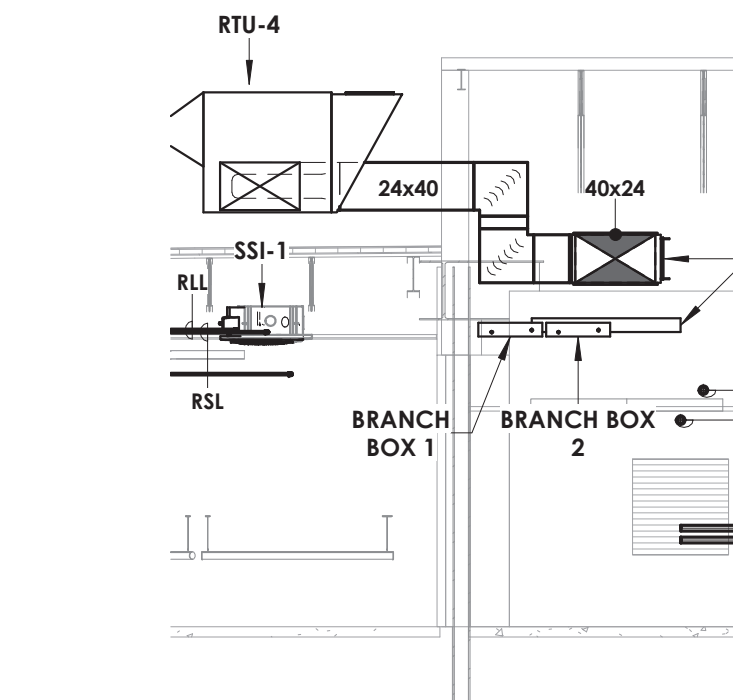
KEYPLAN



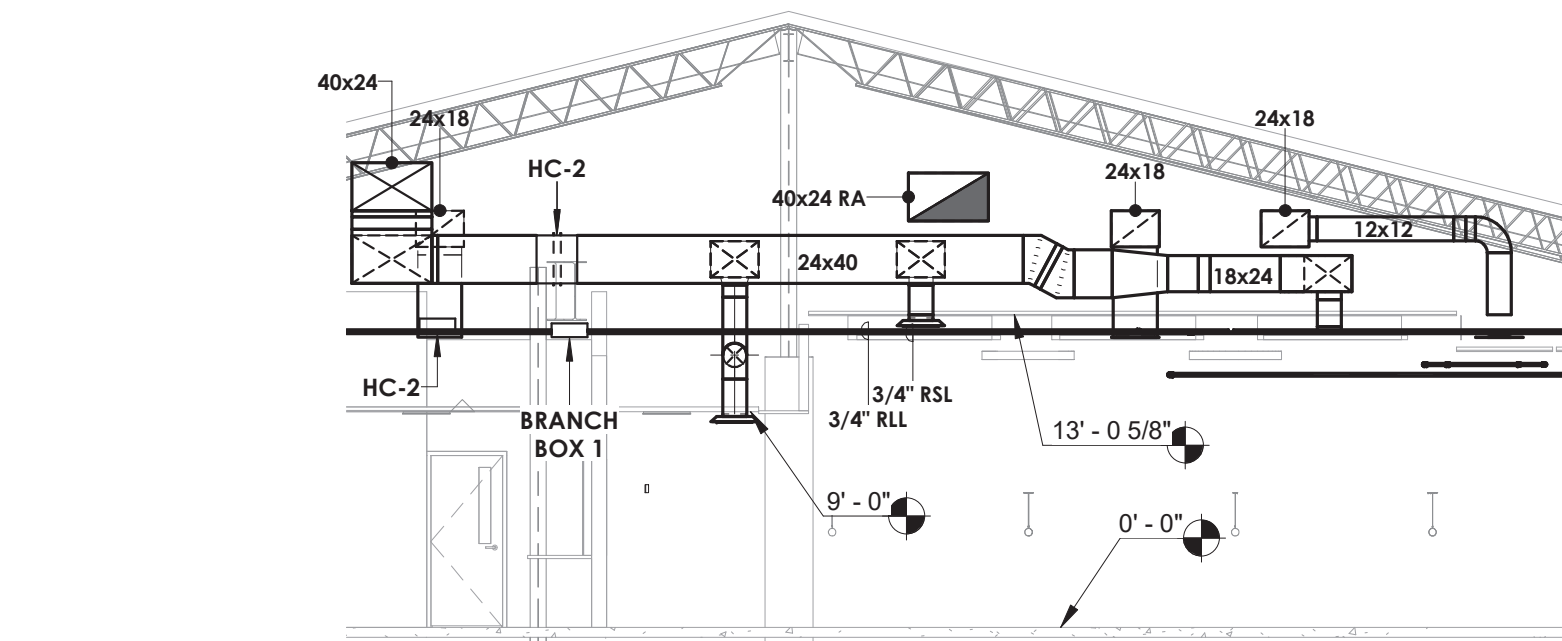
SEE H902 FOR AIR BALANCE

1 GROUND FLOOR HVAC DUCTWORK - AREA B
H200B 1/8" = 1'-0"

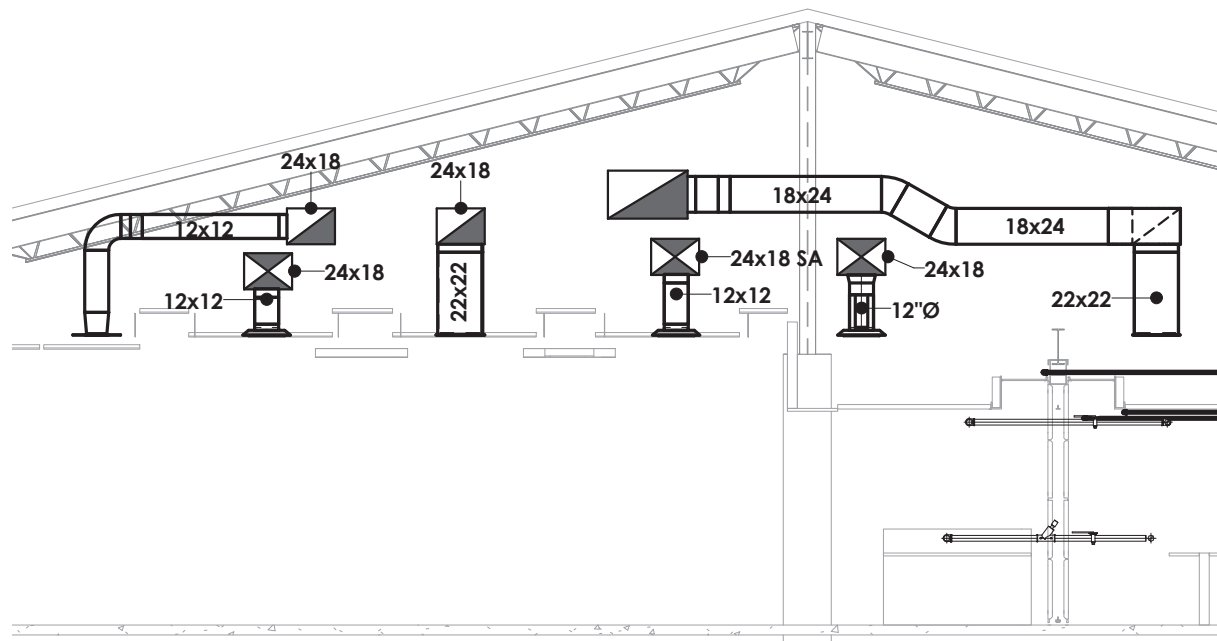
2 TYPICAL MOUNTING SSI SECTION
H200B 1/4" = 1'-0"



3 CAFETERIA RTU-4 SECTION
H200B 1/8" = 1'-0"

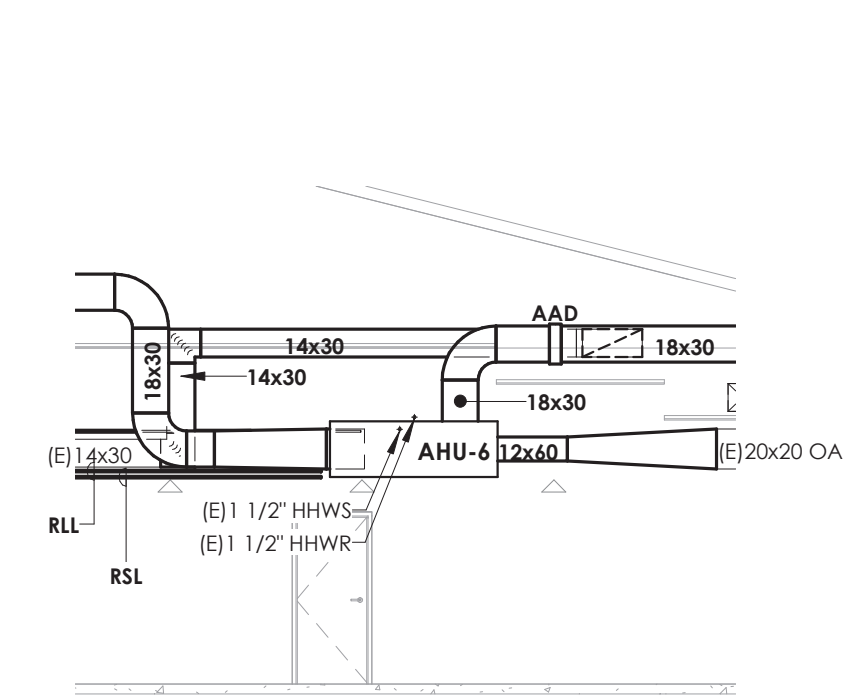


5 CAFETERIA DUCTWORK ELEVATION
H200B 1/8" = 1'-0"

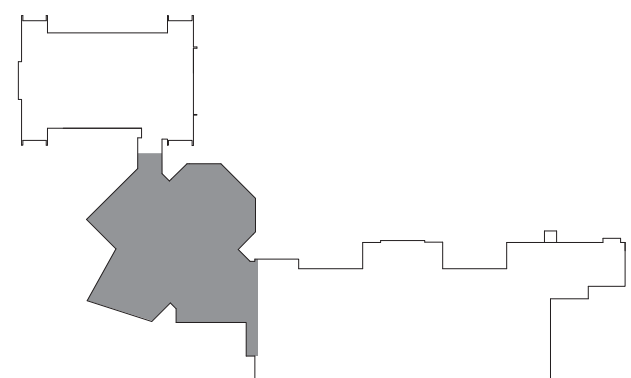


6 CAFETERIA DUCTWORK SECTION
H200B 1/8" = 1'-0"

- KEY NOTES**
- 1 MOUNT UNIT VENTILATOR ABOVE CEILING. COORDINATE WITH ANY CEILING UTILITIES. MAINTAIN ACCESS FOR FILTER CHANGES. 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 UP TO GV-1 ON SLOPED ROOF.
 - 4 MOUNT VRE UNIT TIGHT TO STRUCTURE. VRE SHALL BE PROVIDED WITH SQUARE CASING. COORDINATE WITH ARCHITECTURAL CEILING GRID AND LIGHTING.
 - 5 COORDINATE DUCT ROUTING WITH STRUCTURAL STEEL.
 - 6 COORDINATE NEW DUCTWORK WITH NEW DIVIDER.
 - 7 COORDINATE CEILING WITH GC.
 - 8 PROVIDE OPENING FOR NEW SUPPLY AND RETURN DUCTWORK. PROVIDE WATER TIGHT FLASHING.



4 MUSIC ROOM ELEVATION
H200B 1/8" = 1'-0"

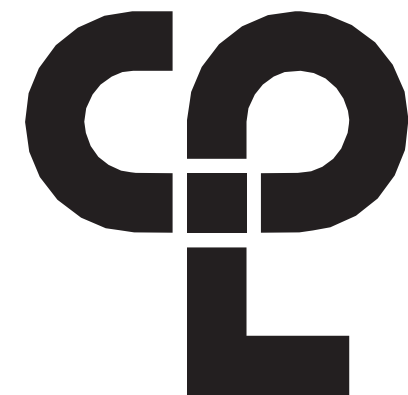


KEYPLAN

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
1	9/17/21
Description	
BID ADDENDUM #1	

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

SHEET INFORMATION	
Issued	09/09/2021
Project Status	CONSTRUCTION DOCUMENTS
Drawn By	NRH
Checked By	JJM
Drawing Title	GROUND FLOOR HVAC DUCTWORK PLAN - AREA B



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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
1	9/17/21	BID ADDENDUM #1

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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
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ALTERATION.

SHEET INFORMATION

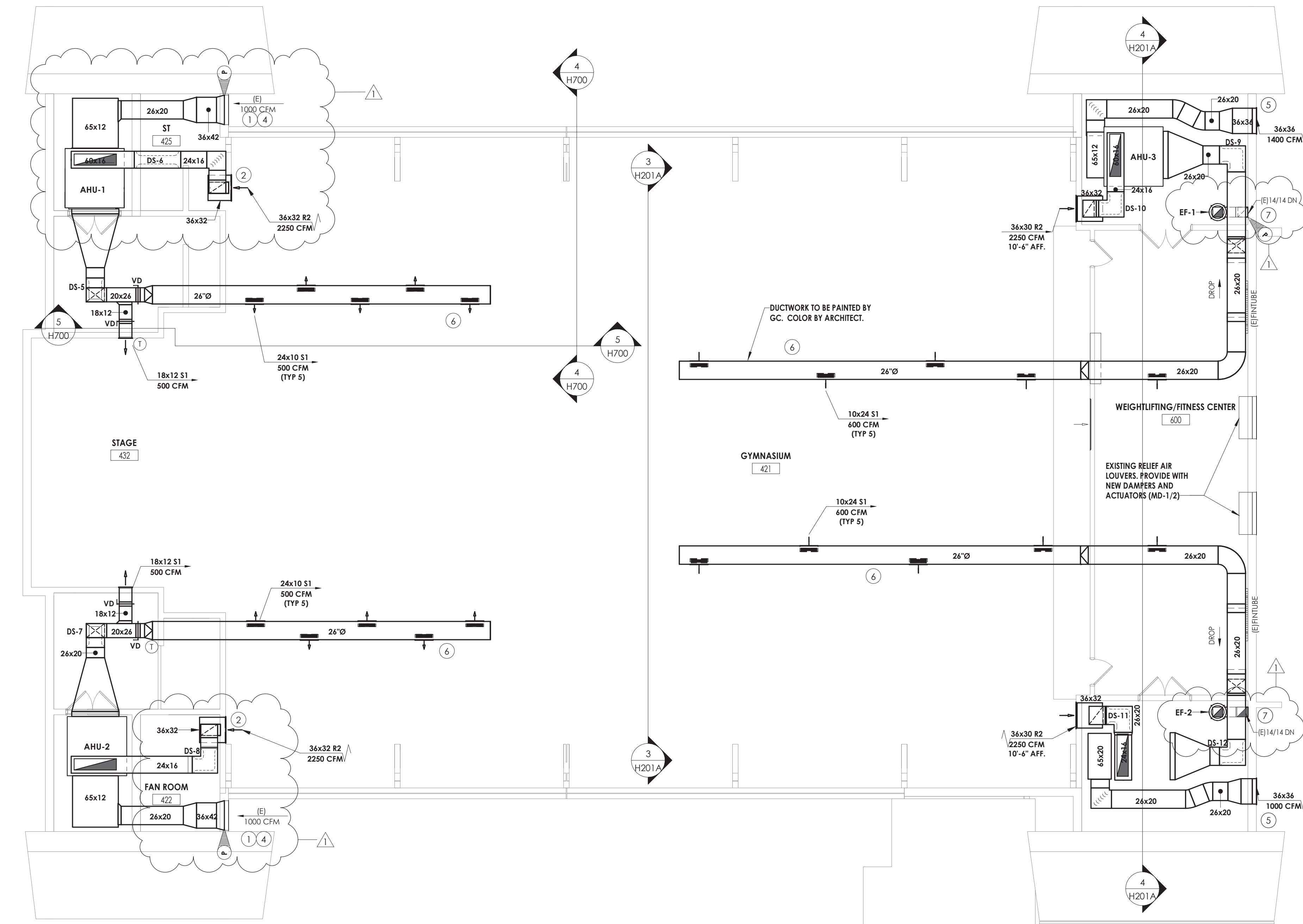
Issued
09/09/2021
Scale
As indicated
Project Status
CONSTRUCTION DOCUMENTS
Drawn By
NRH
Checked By
JJM
Drawing Title
FIRST FLOOR HVAC DUCTWORK
PLAN - AREA A

Drawing Number

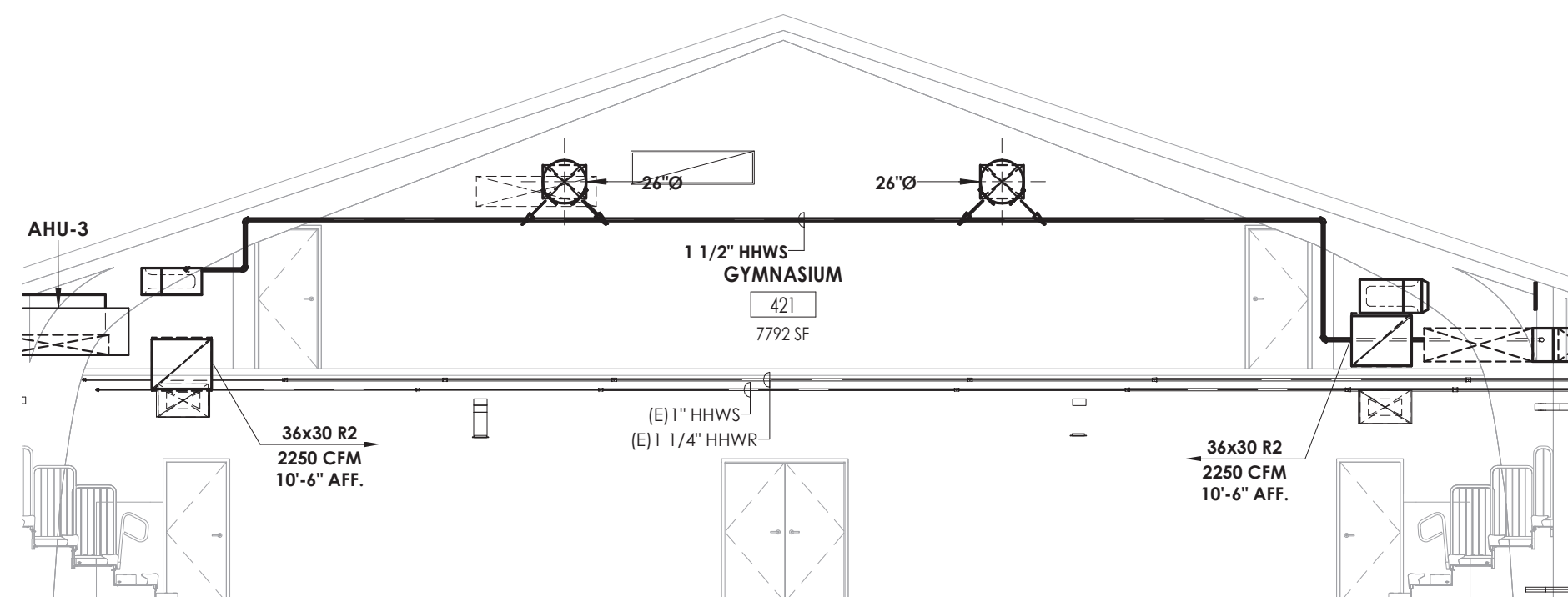
HMS
H201A

KEY NOTES

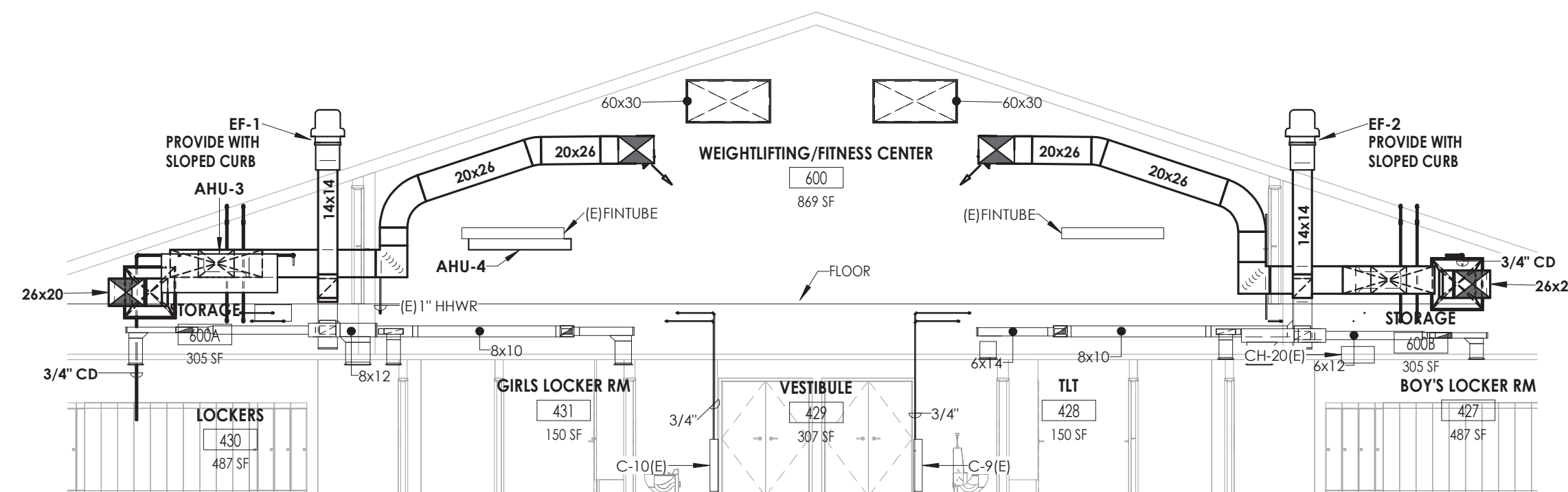
- 1 MOUNT AIR HANDLING UNIT 12" ABOVE FINISHED FLOOR. MAINTAIN EQUIPMENT ACCESS REQUIREMENTS. EXTEND EXISTING CONTROLS TO NEW UNIT.
- 2 RE-USE EXISTING OPENING IN WALLS. PROVIDE GRILLE.
- 3 PROVIDE NEW RETURN AIR LOUVER. COLOR BY ARCHITECT.
- 4 REUSE EXISTING 36"x42" SUPPLY AIR LOUVER.
- 5 PROVIDE NEW OUTDOOR AIR LOUVER. PROVIDE WITH BIRDSCREEN AND DRAINABLE BLADES.
- 6 HANG DUCTWORK WITH CABLE.
- 7 CONNECT NEW FAN TO EF WITH 14"x14" DUCTWORK.



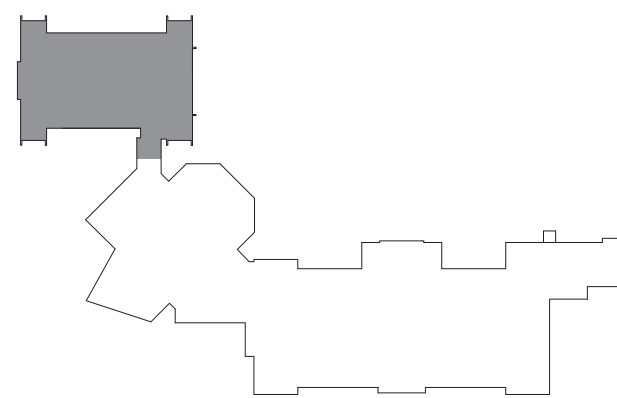
1 FIRST FLOOR HVAC DUCTWORK PLAN - AREA A
1/8" = 1'-0"

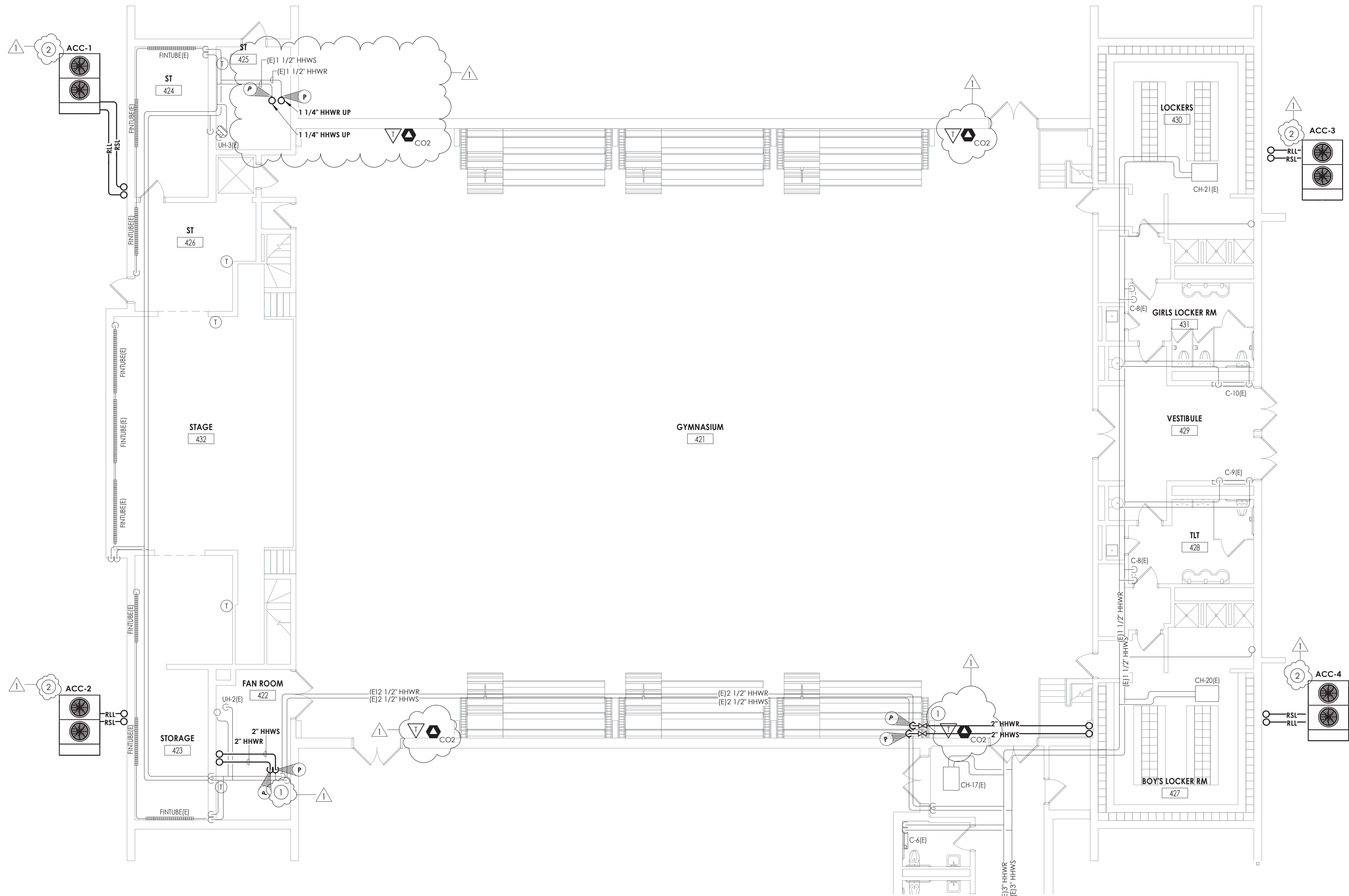


3 GYMNASIUM ELEVATIONS
1/8" = 1'-0"



4 LOCKER AND WEIGHTLIFTING SECTION
1/8" = 1'-0"





1
H300A

GROUND FLOOR HVAC PIPING PLAN - AREA A

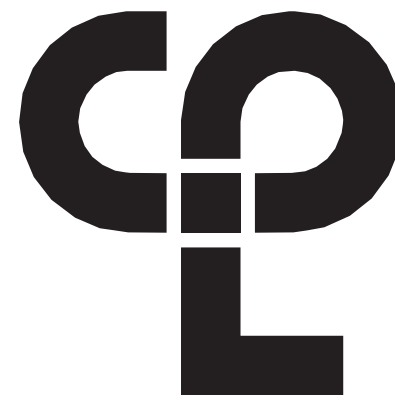
1/8" = 1'-0"

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 TO EXISTING PIPING MAIN AT POINT INDICATED.
- MOUNT ACC ON PAD BY G.C. RSL/RLL PIPING TO AHU'S INSIDE SECURE TO WALL.



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SCHOOL DISTRICT
Project Name
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SED Number
44-16-00-01-0-039-011

PROJECT ISSUE SCHEDULE

No.	Date	Description
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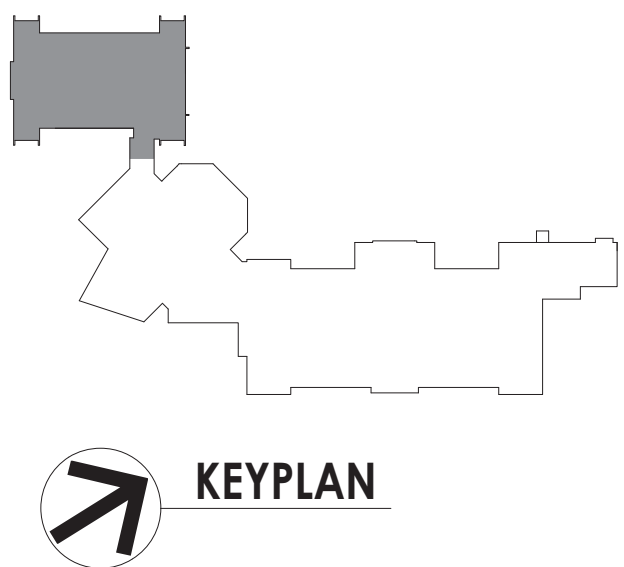
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SHEET INFORMATION

Issued	Scale
09/09/2021	As indicated
Project Status CONSTRUCTION DOCUMENTS	
Drawn By NRH	Checked By JJM
Drawing Title GROUND FLOOR HVAC PIPING PLAN - AREA A	

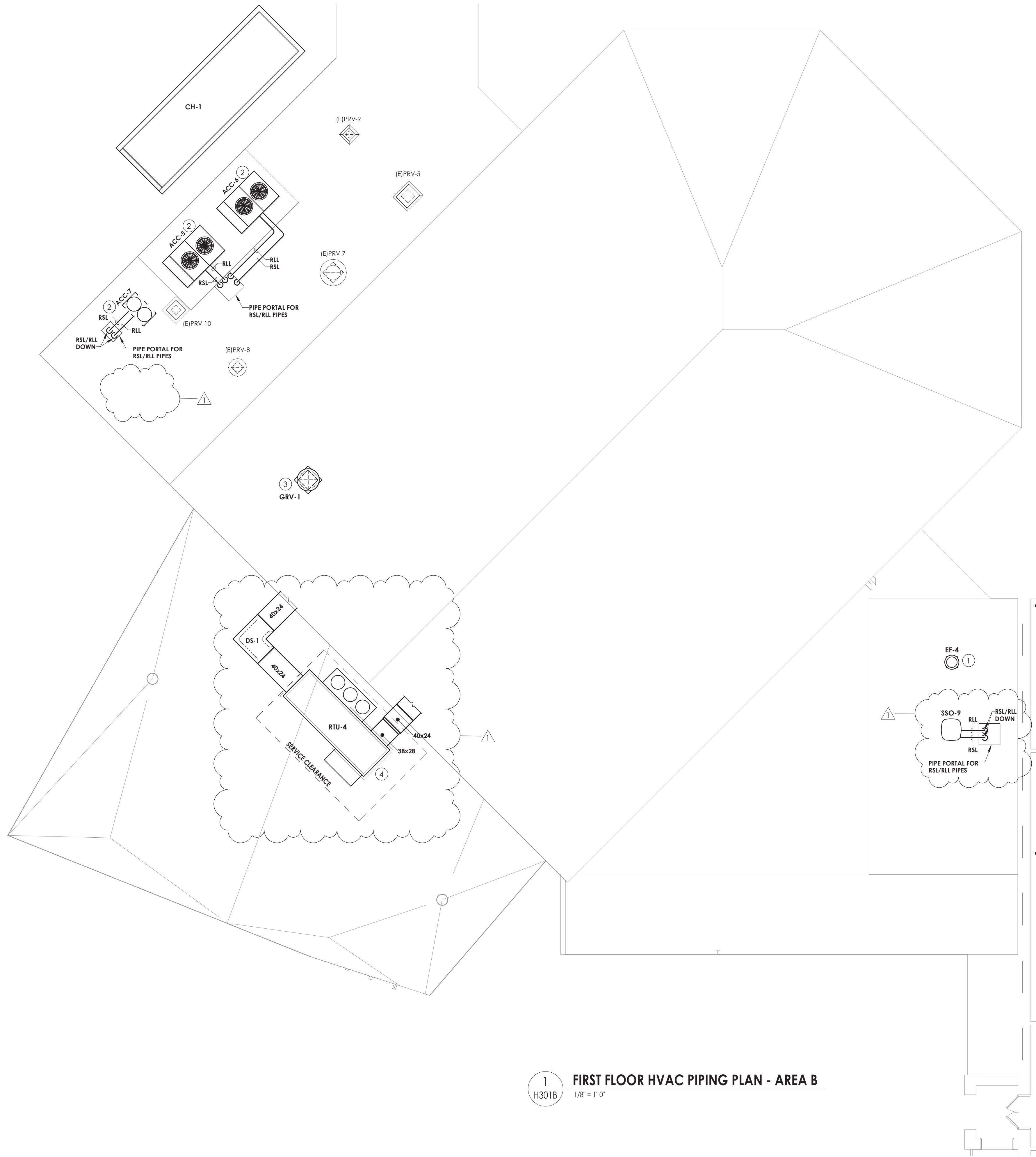
Drawing Number

HMS
H300A



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1
H301B
FIRST FLOOR HVAC PIPING PLAN - AREA B
1/8" = 1'-0"

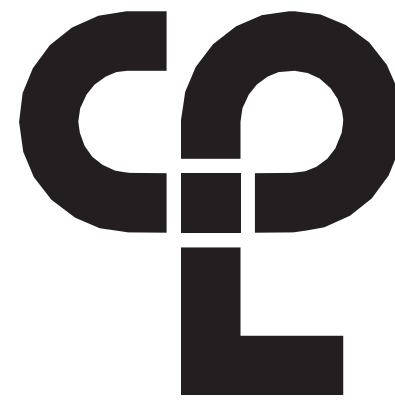


GENERAL NOTES

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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SCHOOL DISTRICT

Project Name
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09/09/2021	As indicated

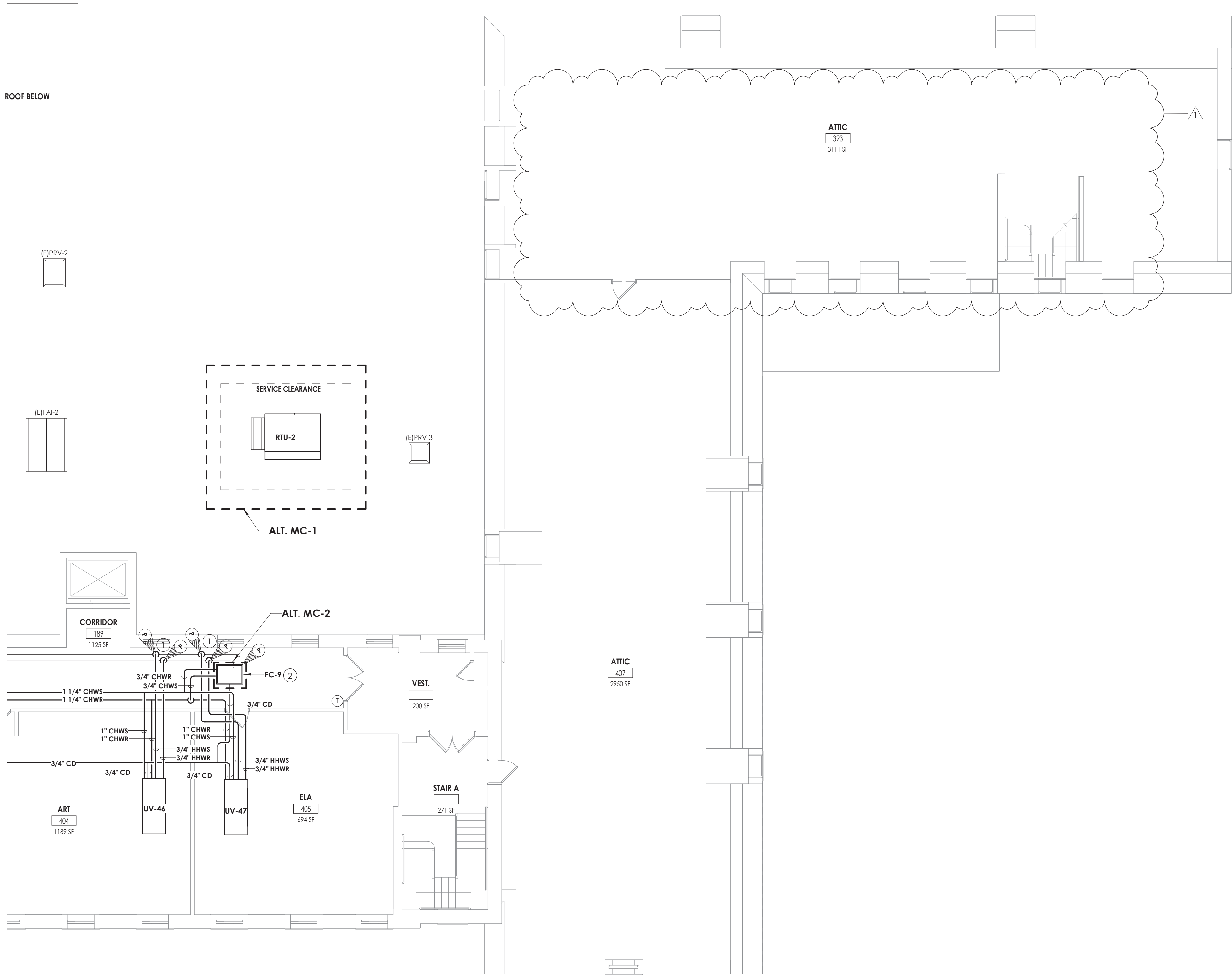
Project Status
CONSTRUCTION DOCUMENTS
Drawn By
NRH
Checked By
JJM
Drawing Title
FIRST FLOOR HVAC PIPING PLAN - AREA B

Drawing Number

HMS
H301B

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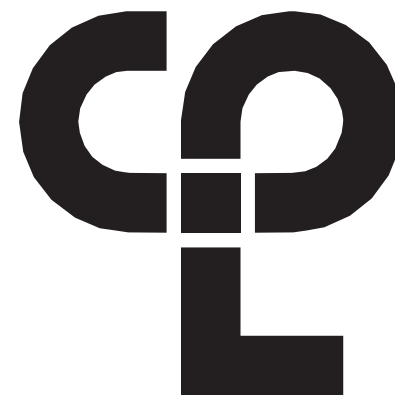
1 THIRD FLOOR HVAC PIPING PLAN - AREA D
H303D 1/8" = 1'-0"

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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SCHOOL DISTRICT
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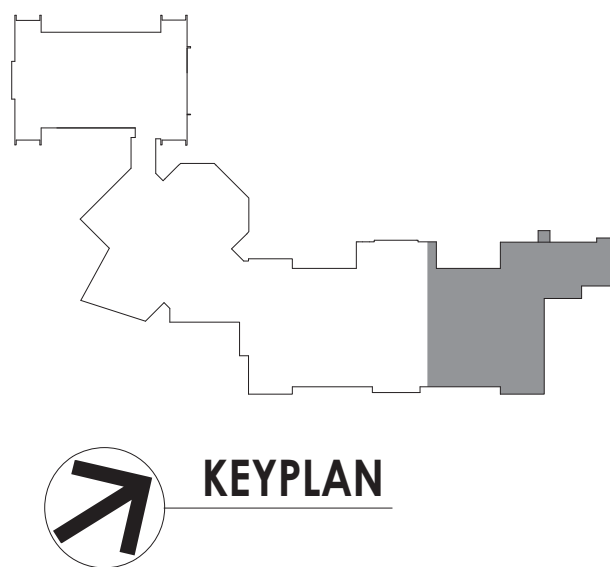
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SHEET INFORMATION

Issued	Scale
09/09/2021	As indicated

Project Status
CONSTRUCTION DOCUMENTS
Drawn By
NRH
Checked By
JJM
Drawing Title
THIRD FLOOR HVAC PIPING PLAN
- AREA D

Drawing Number
HMS
H303D



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	208/360	195	207	AAON RN-Q25-8-0-EB09-EJK	1,2,3,4
<div>REMARKS:</div> <div>1. FACTORY MOUNTED AND WIRED DISCONNECT. 115V CONVENIENCE OUTLET, FACTORY WIRED. CLOGGED FILTER SWITCH.</div> <div>2. ECM CONDENSER FAN, HEAT PRESSURE CONTROL WITH SIGHT GLASS. REMOTE SAFETY SHUTDOWN TERMINAL.</div> <div>3. TERMINAL STRIP FOR BMS CONTROL OF FAN AND DAMPERS. COMPATIBLE WITH JOHNSON CONTROLS FACILITY EXPLORER.</div> <div>4. DOUBLE WALL, R-13 FOAM INSULATION. STAINLESS STEEL DRAIN PAN.</div>																													

AIR SEPARATOR SCHEDULE									
MARK	LOCATION	SERVED	GPM	WEIGHT (LBS)	DIA. (IN.)	LNG. (IN.)	STRAINER SQ. IN. FA	TYPICAL UNIT MFG & MODEL NO.	REMARKS:
AS-1	CHILLER PUMP ROOM	CHILLED WATER	300	579	18	44	6	B&G R-6F	
REMARKS: 1. 30% PROPYLENE GLYCOL.									

PUMP SCHEDULE									
MARK	LOCATION	SERVICE	GPM	HD (FT.)	HP	VOLTS	PH	TYPICAL UNIT MFG & MODEL NO.	REMARKS:
P-1	STORAGE	CHILLED WATER	300	80	15	208	3	B&G E-1510 3BD	1,2,3
P-2	STORAGE	CHILLED WATER	300	80	15	208	3	B&G E-1510 3BD	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	0.28	SAMSUNG - AM024KN4DCH/AA	1,2,3,4,5	
SSI-2	1500	27000	24000	47	1 / 208 / 60	0.28	SAMSUNG - AM024KN4DCH/AA	1,2,3,4,5	
SSI-3	1500	27000	24000	47	1 / 208 / 60	0.28	SAMSUNG - AM024KN4DCH/AA	1,2,3,4,5	
SSI-4	1500	27000	24000	47	1 / 208 / 60	0.28	SAMSUNG - AM024KN4DCH/AA	1,2,3,4,5	
SSI-5	1500	27000	24000	47	1 / 208 / 60	0.28	SAMSUNG - AM024KN4DCH/AA	1,2,3,4,5	
SSI-6	1500	27000	24000	47	1 / 208 / 60	0.28	SAMSUNG - AM024KN4DCH/AA	1,2,3,4,5	
SSI-7	1500	27000	24000	47	1 / 208 / 60	0.28	SAMSUNG - AM024KN4DCH/AA	1,2,3,4,5	
SSI-8	1500	27000	24000	47	1 / 208 / 60	0.28	SAMSUNG - AM024KN4DCH/AA	1,2,3,4,5	
SSI-9	250-430	21500	15000	23.4	1 / 208 / 60		SAMSUNG - AR12T5FABWKNVCV	1,2,3,4,5	
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.									

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		TYPICAL UNIT MFG & MODEL NO.	REMARKS:
							H (IN.)	D (IN.)	STYLE	
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)	IP/LV	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
REMARKS: 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/G
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	1,2,3,4,5
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	1,2,3,4,5
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	1,2,3,4,5
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	1,2,3,4,5
<div>REMARKS:</div> <div>1. FACTORY MOUNTED AND WIRED DISCONNECT. ALL UNITS SHALL BE SINGLE POINT CONNECTION</div> <div>2. DAMPER ACTUATORS BY MANUFACTURER. FULLY MODULATING ACCUATORS. MERV 13 FILTERS. MAGNEHELIC HAUGE CLOG FILTER SWITCH. THERMAL EXPANSION VALVES.</div> <div>3. CONNECT TO EXISTING JOHNSON CONTROLS, FACILITY EXPLORER</div> <div>4. VIBRATION ISOLATION.</div> <div>5. CONTROLS RELOCATED BY OTHERS FROM EXISTING UNIT.</div>																					

HOT WATER COIL SCHEDULE																	
MARK	SERVICE	CFM	AIR DATA				GPM	WATER DATA				MFG SIZE HXL (IN.)	ROWS	TYPICAL UNIT MFG & MODEL NO.	REMARKS:		
			ENT	LVG	MAX APD (IN. WC)	MIN. MBH		ENT	LVG	MAX APD (IN. WC)							
HC-1	SF-9	2250	-2	70	0.76	174.960	18.8	180	160	3.8	15X22	2	CAPITAL COIL W8-2215-12B-HCA-R	1,2			
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 ØOD Ø625, TUBE SPACING 1.50X1.299 2. ALTERNATE MC-05.																	

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
REMARKS: 1. OPPOSED BLADE DAMPER. 2. CONCEALED MOUNTING. 3. SINGLE DEFLECTION, BLADES PARALLEL TO LENGTH. 4. INSULATED BACK PAN.						

FAN SCHEDULE												
MARK	LOCATION	SERVICE	TYPE	CFM	SP IN W.G.	RPM	ELECTRICAL DATA				TYPICAL UNIT MFG & MODEL NO.	REMARKS:
							HP	VOLTS	PHASE	AMPS		
EF-1	GYM	LOCKER ROOM EXHAUST	CENTRIFUGAL	1500	0.75	1457	.25	115	1	3.8	GREENHECK G-100-VG	1,2,4
EF-2	GYM	LOCKER ROOM EXHAUST	CENTRIFUGAL	1500	0.75	1457	.25	115	1	3.8	GREENHECK G-100-VG	1,2,4
EF-3	ROOF	CLASSROOM EXHAUST	CENTRIFUGAL	2000	0.5	948	1/2	208	1	5.4	GREENHECK GB-181	1,2
EF-4	ROOF	MUSIC ROOM	CENTRIFUGAL	1400	1	1725	1/2	208	1	5.4	GREENHECK G-123-A	1,2
EF-5	ROOF	CLASSROOM EXHAUST	CENTRIFUGAL	1250	1	1725	1/2	208	1	4.9	GREENHECK G-123-1	1,2
EF-6	ROOF	CLASSROOM EXHAUST	CENTRIFUGAL	4500	1	1102	2	208	1	12	GREENHECK G-200	1,2
SF-1	ATTIC	CLASSROOM OA	INLINE	10000	1.5	824	5	208	3	16.7	GREENHECK BSQ-300	1
SF-2	ATTIC	CLASSROOM OA	INLINE	3750	0.4	539	1/2	208	3	2.4	GREENHECK BSQ-240	1
SF-3	ATTIC	CLASSROOM OA	INLINE	8750	1.5	1147	5	208	3	16.7	GREENHECK BSQ-240	1
SF-4	-	-	-	-	-	-	-	-	-	-	NOT USED	-
SF-5	-	-	-	-	-	-	-	-	-	-	NOT USED	-
SF-6	ATTIC	CLASSROOM OA	INLINE	7000	0.75	875	2	208	3	7.5	GREENHECK BSQ-240	1
SF-7	ATTIC	CLASSROOM OA	INLINE	7500	1	964	3	208	3	10.6	GREENHECK BSQ-240	1
SF-8	ATTIC	CLASSROOM OA	INLINE	6750	1.5	1012	5	208	3	16.7	GREENHECK BSQ-240	1
SF-9	TECH	CLASSROOM OA	INLINE	2250	0.5	992	1/2	208	1	5.4	GREENHECK BSQ-160	1,3
RF-1	ATTIC	CLASSROOM EA	INLINE	13750	1.25	675	7-1/2	208	3	24.2	GREENHECK BSQ-360	1
RF-2	ATTIC	CLASSROOM EA	INLINE	3750	0.8	949	1-1/2	208	3	6.6	GREENHECK BSQ-200	1
RF-3	ATTIC	CLASSROOM EA	INLINE	3750	0.4	539	1/2	208	3	2.4	GREENHECK BSQ-240	1
RF-4	ATTIC	CLASSROOM EA	INLINE	2500	0.25	585	1/3	208	3	2.4	GREENHECK BSQ-200	1
RF-5	ATTIC	CLASSROOM EA	INLINE	1250	0.25	623	1/4	208	3	2.4	GREENHECK BSQ-160	1
RF-6	ATTIC	CLASSROOM EA	INLINE	6250	0.75	816	2	208	3	7.5	GREENHECK BSQ-240	1
RF-7	ATTIC	CLASSROOM EA	INLINE	4000	1	1038	1-1/2	208	3	6.6	GREENHECK BSQ-200	1
RF-8	ATTIC	CLASSROOM EA	INLINE	7250	1	945	3	208	3	10.6	GREENHECK BSQ-240	1
REMARKS: 1. FACTORY MOUNTED AND WIRED DISCONNECT. 2. HINGED BASE AND BIRD SCREEN. 3. ALTERNATE MC-5. 4. PROVIDE WITH SLOPPED CURBS.												



Project Number	13940.18
Client Name	

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

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

No.	Date	Description
1	9/17/21	BID ADDENDUM #1

1. FACTORY MOUNTED AND WIRED DISCONNECT. ALL UNIT CONTROL ACTUATORS FROM EXISTING RELOCATED BY OTHERS TO NEW UNIT.
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

REMARKS:

REMARKS:

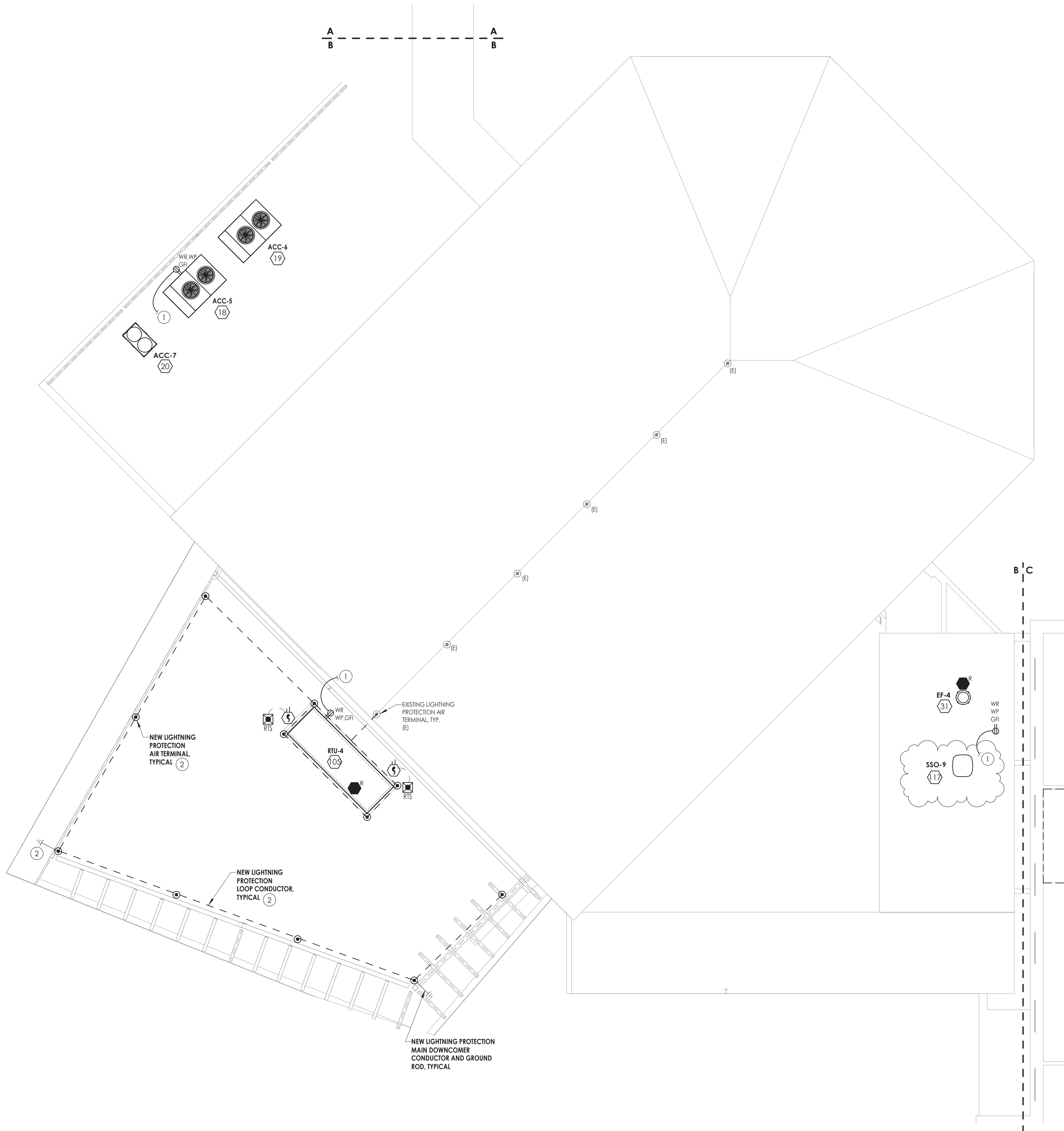
REMARKS

REMARKS

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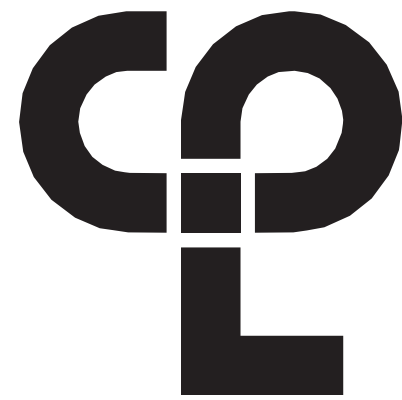
1 FIRST FLOOR OVERALL POWER AND SYSTEMS PLAN
E201B 1/8" = 1'-0"

GENERAL NOTES:

- FIXTURES, DEVICES, AND EQUIPMENT LABELED AS "EJ" 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:

- 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
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

PROJECT ISSUE SCHEDULE

No.	Date	Description
1	9/17/21	BID ADDENDUM #1

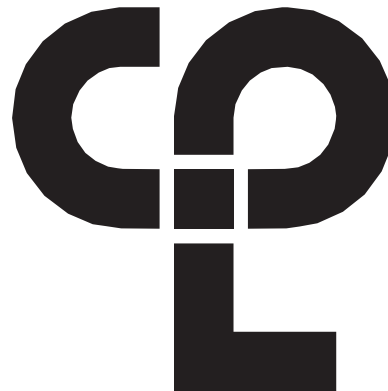
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SHEET INFORMATION

Issued
09/06/2021
Scale
AS NOTED
Project Status
CONSTRUCTION DOCUMENTS
Drawn By
RJD
Checked By
ARM
Drawing Title
FIRST FLOOR POWER AND
SYSTEMS PLAN - AREA B

Drawing Number

HMS
E201B



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NEWBURGH, NY 12550
CPLteam.com

PROJECT INFORMATION

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SCHOOL DISTRICT

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SHEET INFORMATION

Issued	Scale
09/06/2021	AS NOTED
Project Status	
CONSTRUCTION DOCUMENTS	
Drawn By	Checked By
RJD	ARM

EQUIPMENT WIRING AND
LUMINAIRE SCHEDULES

Drawing Number

HMS
E900

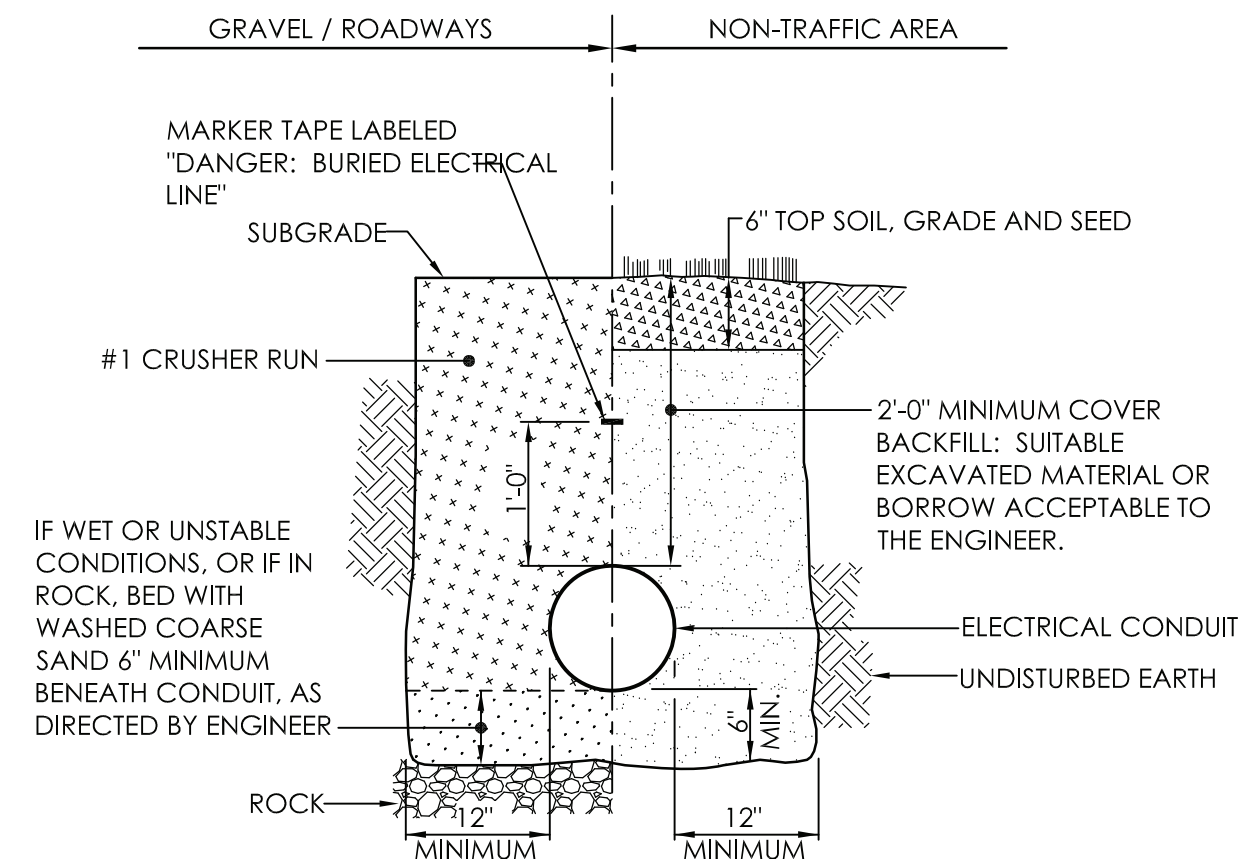
EQUIPMENT WIRING SCHEDULE

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	28,30	1,7,19
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	15 HP	48.3 A	(3)#4, #8G IN 1-1/4"C	90/3	P-9	1,3,5	1
12	PUMP P-2	PUMP ROOM 423	208 V	3	15 HP	48.3 A	(3)#4, #8G IN 1-1/4"C	90/3	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, #1/0G 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
52	UV-18	ROOM 201	120 V	1		4.0 A	(2)#12, #12G IN 3/4"C	20/1	P4, SEC. 2	40	1,8,18
53	UV-19	ROOM 209	120 V	1		4.0 A	(2)#12, #12G IN 3/4"C	20/1	P4, SEC. 2	9	1,10,18
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	(3)#12, #12G IN 3/4"C	20/3	P-11	8,10,12	1
96	RF-5	ATTIC	208 V	3	1/4 HP	2.4 A	(3)#12, #12G IN 3/4"C	20/3	P-11	8,10,12	1
97	RF-6	ATTIC	208 V	3	2 HP	7.5 A	(3)#12, #12G IN 3/4"C	20/3	P-11	19,21,23	1
98	RF-7	ATTIC	208 V	3	1-1/2 HP	6.6 A	(3)#12, #12G IN 3/4"C	20/3	P-11	28,30,32	1
99	RF-8	ATTIC	208 V	3	3 HP	10.6 A	(3)#12, #12G IN 3/4"C	20/3	P-11	34,36,38	1
100	DC-1 FAN MOTOR	EXTERIOR AT GRADE	208 V	3	7.5 HP	25.3 A	(3)#8, #10G IN 1"C	50/3	PT-2	3,5	

PANEL NAME: P-9				PANEL LOCATION: Ground Floor Storage Room 440							Revised: 09/19/21	
											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	90/3	48.3	2.7					15/2	CAFETERIA SSI UNITS 1-8		
3				48.3	2.7							
5							48.3	7.2	20/1	GMP-1		
7	Pump P-2	90/3	48.3	8								
9				48.3	8			15/3	AHU-3			
11							48.3	8				
13	EF-2	20/1	3.8	8								
15	SSI CONDENSATE PUMPS	20/1			9	8			15/3	AHU-4		
17	HEAT TRACE - CHILLER	20/1					10	8				
19	ACC-5	50/3	38									
21					38				20/3	SPARE		
23								38				
25	ACC-6	90/3	63	5					20/1	CHEMICAL POT FEEDER		
27					63	9.8						
29								63	9.8	20/2	SSO-9 & SSI-9	
31	ACC-7	90/3	70						20/1	SPARE		
33									20/1	SPARE		
35								70		20/1	SPARE	
37	SPARE	20/3							20/1	SPARE		
39										SPACE		
41											SPACE	
			295.1		305.1		310.6					

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				

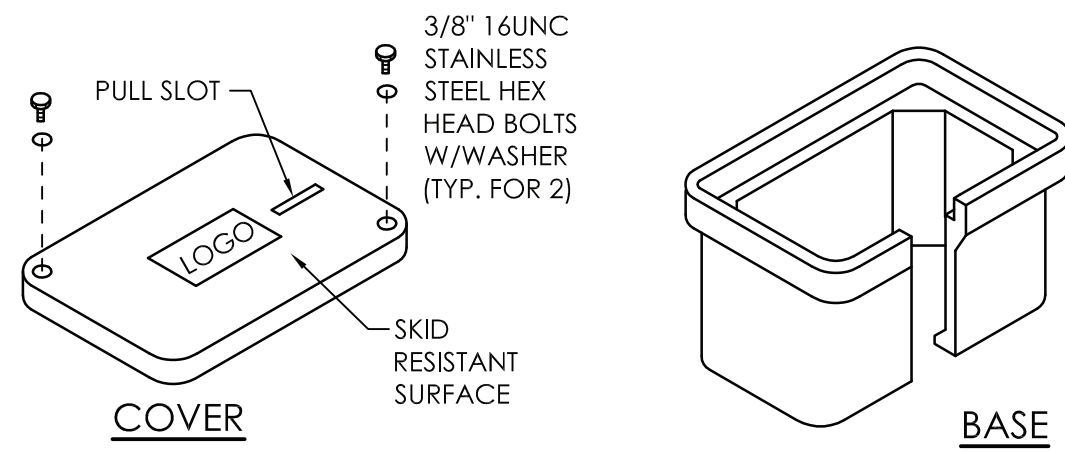
PANEL NAME: P-11			PANEL LOCATION: Attic							Revised: 08/11/21		
										Notes:		
			VOLTS	AMPS	PHASE	# CCTS	LUGS	BKR	22KAIC Rating			
			208/120	225	3	42		225				
DESCRIPTION			BREAKER	LINE 1		LINE 2		LINE 3		BREAKER	DESCRIPTION	
1	SF-8	35/3	16.7	16.7						35/3	SF-3	
3					16.7	16.7						
5							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-3, EF-5	
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 RECEIPT	
27					11.4	6.6					20/1	HVAC SERVICE RECEIPT.
29							11.4	6.6				20/3
31	SF-1	35/3	16.7	6.6								
33					16.7	10.6						
35							16.7	10.6		20/3	RF-8	
37	RF-1	50/3	24.2	10.6								
39					24.2				20/1			SPARE
41							24.2			20/1	SPARE	
			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.

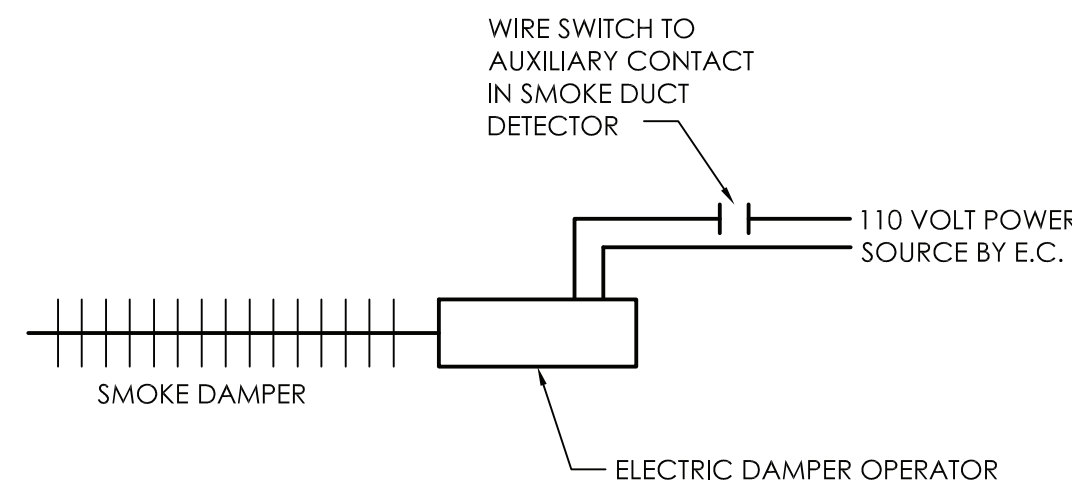
1
E901
TYPICAL TRENCH DETAIL FOR CONDUIT
NOT TO SCALE



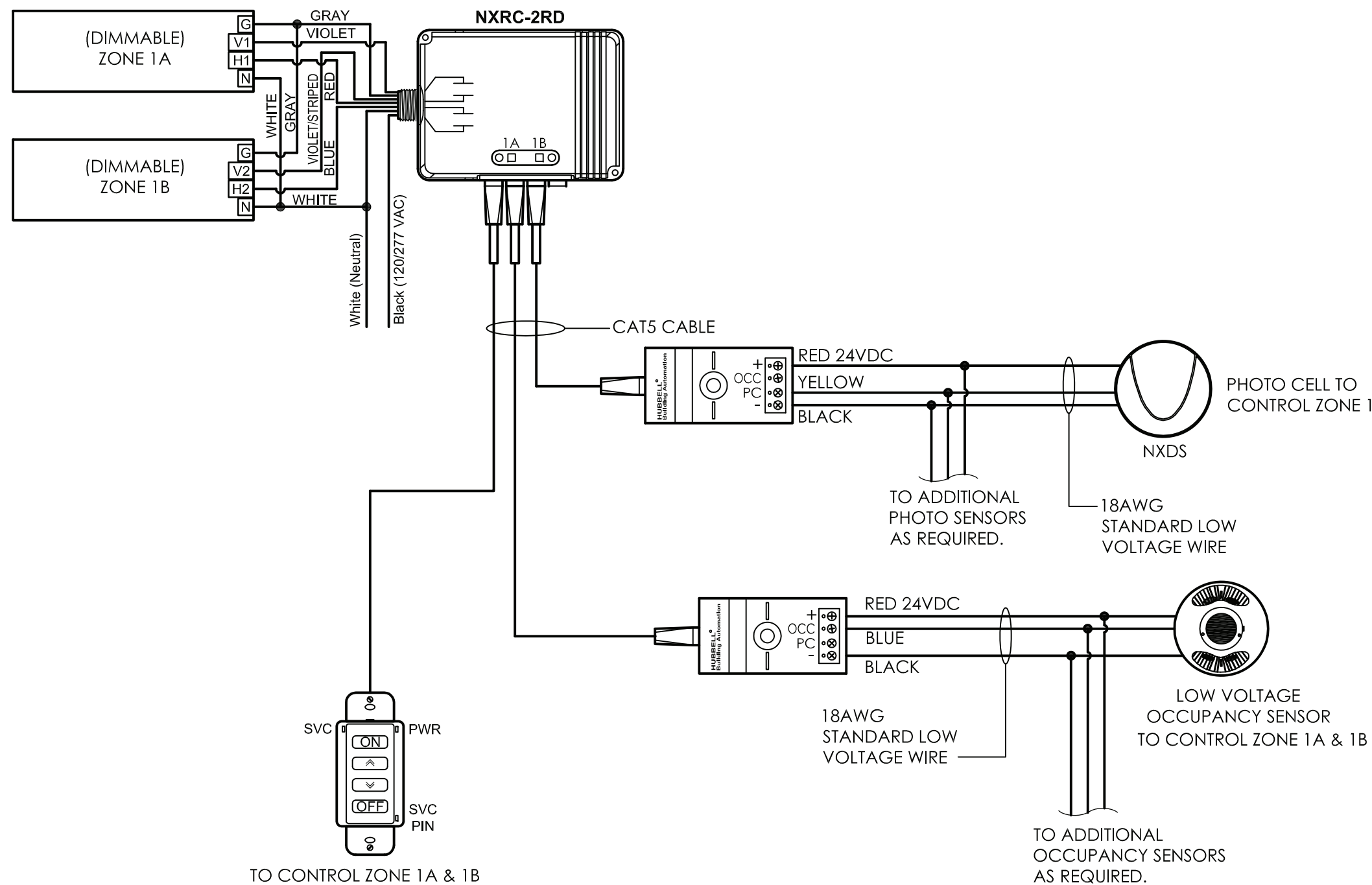
NOTES:

- PROVIDE QUARTZITE 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.

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
1 9/17/21 BID ADDENDUM #1

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