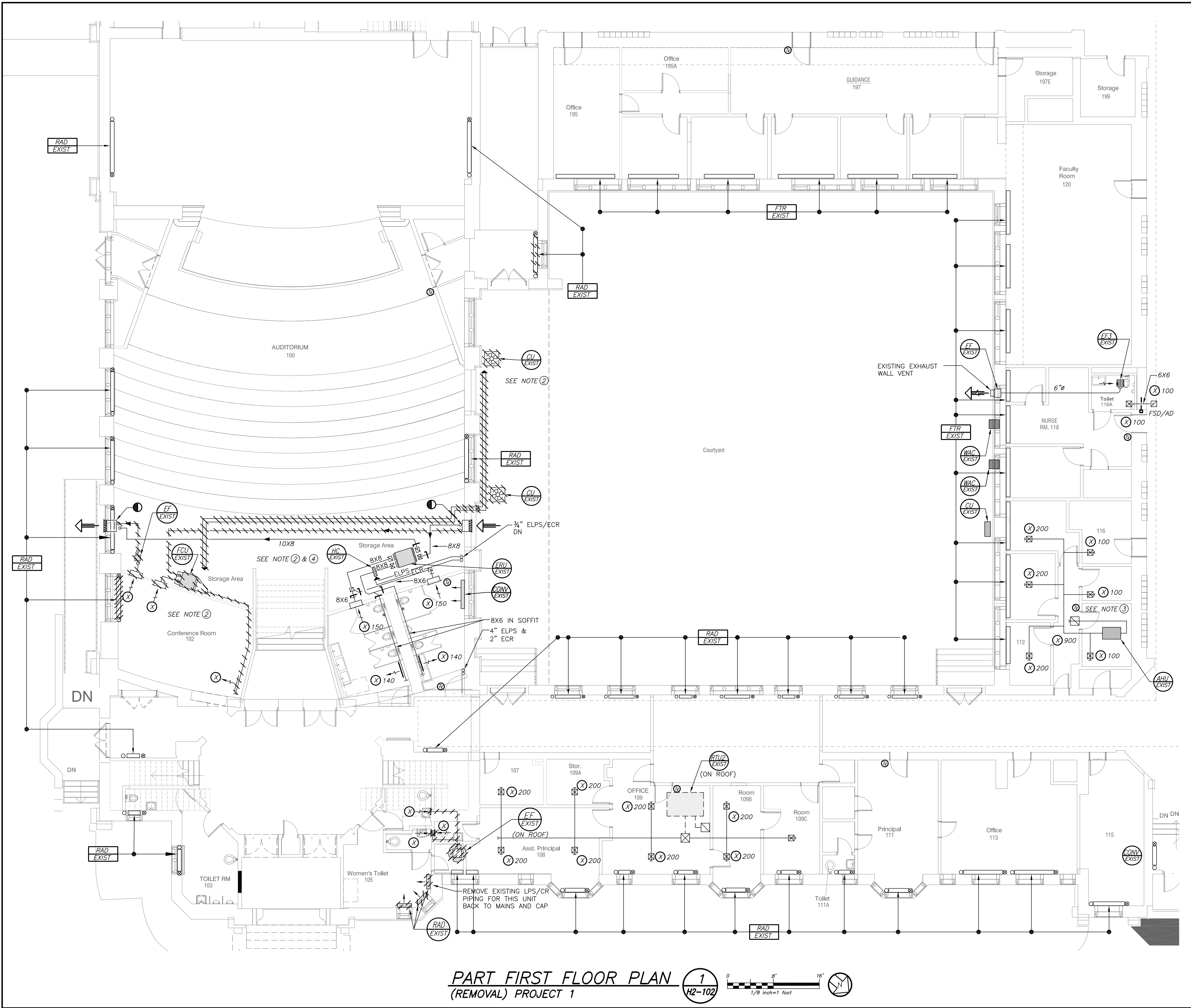
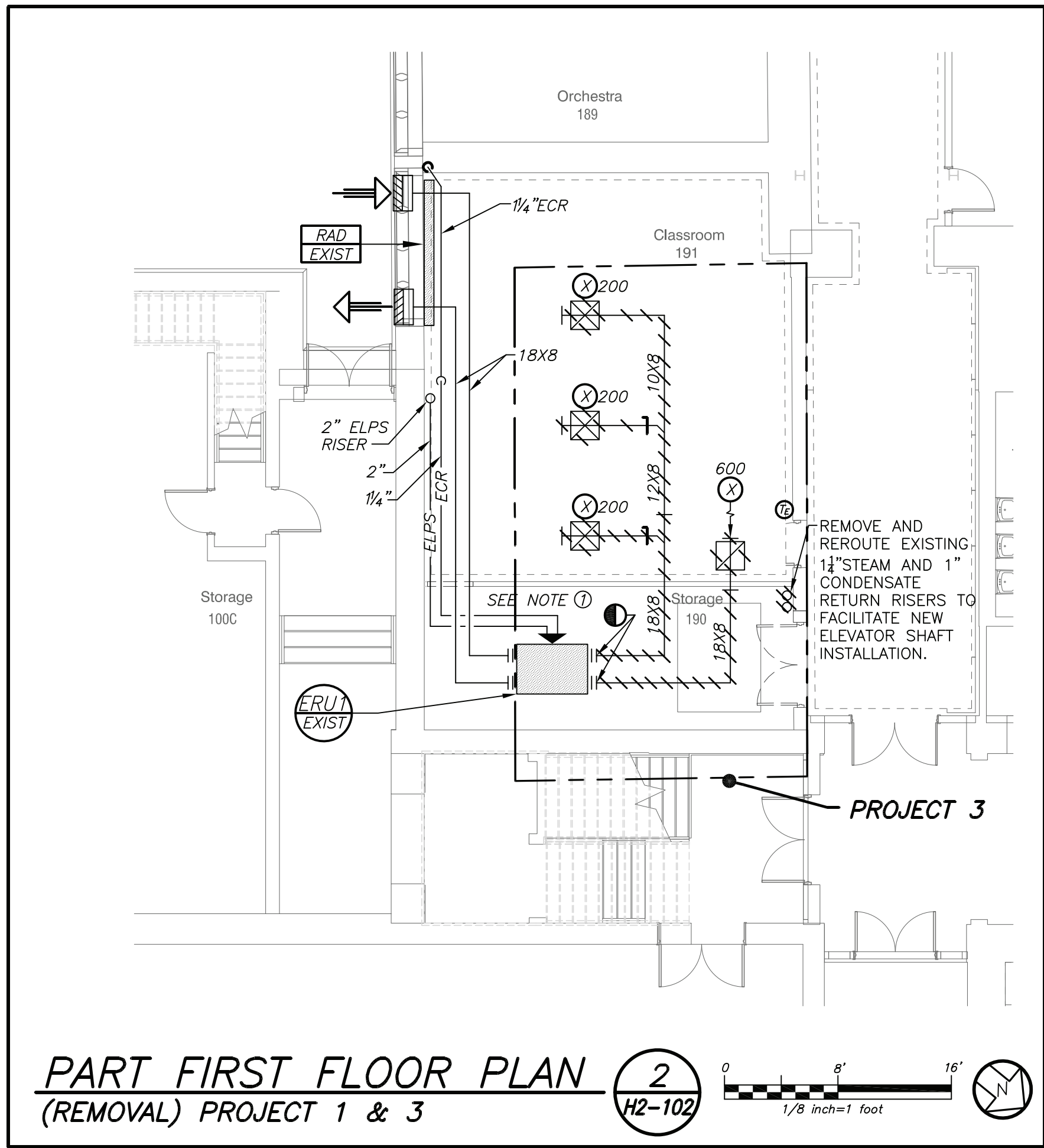


BID PROJECTS	
PROJECT 1: ALL WORK NOT INCLUDED IN PROJECTS 2, 3 & 4 LISTED BELOW.	
PROJECT 2: MIDDLE SCHOOL 1-LAB AND UPGRADE TO 2ND FLOOR MECHANICAL ROOM INCLUDING 1ST FLOOR GUIDANCE CEILING WORK	
PROJECT 3: NEW ELEVATOR AND 3RD FLOOR LEARNING COMMONS	
PROJECT 4: MIDDLE SCHOOL MASONRY RESTORATION AND ROOF REPLACEMENT	
ALTERNATE 4A: MIDDLE SCHOOL MASONRY RESTORATIONS - TOWER VENEER REPLACEMENT AND NEW WINDOWS	

- REMOVAL NOTES:**
- THE SCOPE OF REMOVAL SHOWN ON "REMOVALS" DRAWINGS IS DIAGRAMMATIC ONLY AND INDICATES THE INTENT OF THE WORK TO BE PERFORMED AND NOT THE COMPLETE SCOPE OF DEMOLITION AND/OR REMOVAL WORK. IT SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR TO REMOVE ANY RELATED MECHANICAL DEVICES EVEN IF NOT SPECIFICALLY INDICATED TO BE REMOVED ON THESE DRAWINGS IN ORDER TO ACCOMMODATE NEW WORK.
 - DEVICES SHOWN CROSS HATCHED ON DRAWINGS ARE ITEMS TO BE REMOVED. ANY DEVICES REMOVED SHALL INCLUDE (BUT SHALL NOT BE LIMITED TO) THE REMOVAL OF ALL ASSOCIATED PIPING, CONTROLS, ETC. THAT ARE NOT INCORPORATED IN THE NEW LAYOUT, UNTIL SUCH REMOVAL IS COMPLETE, THIS CONTRACTOR SHALL PERFORM ALL WORK REQUIRED TO INSURE CONTINUITY OF SERVICE TO EXISTING REMAINING EQUIPMENT. NO EXTRAS RELATING TO THE SCOPE OF WORK DESCRIBED WILL BE ALLOWED.
 - EQUIPMENT, PIPING, ETC., REQUIRED TO RECONNECT SHALL BE INSTALLED CONCEALED WITHIN THE NEW SUSPENDED CEILINGS, PARTITIONS AND/OR WALLS, FLOORS, NO SURFACE MOUNTED OR EXPOSED EQUIPMENT, PIPING, ETC., SHALL BE PERMITTED, UNLESS SPECIFICALLY INDICATED.
 - ALL ITEMS TO BE REMOVED SHALL BE REVIEWED WITH THE OWNER PRIOR TO REMOVAL. OWNER SHALL HAVE FIRST SALVAGE RIGHTS. ITEMS THE OWNER WISHES TO KEEP SHALL BE REMOVED WITH CARE AND STORED AS DIRECTED BY OWNER. ITEMS THE OWNER DOES NOT WISH TO KEEP SHALL BE REMOVED FROM THE SITE AND DISPOSED OF PROPERLY.
 - REMOVE OR RELOCATE ALL DEVICES LOCATED ON THE EXTERIOR OF THE BUILDING OR ON THE INTERIOR OF EXTERIOR WALLS AS REQUIRED TO ACCOMMODATE THE NEW BUILDING ADDITION OR TO ALLOW THE ADDITION OF DOORWAYS INTO THE NEW ADDITION.
 - EXISTING (STEAM TO HOT WATER) HEAT EXCHANGER, CONDENSATE RETURN PUMPS, EXPANSION TANK, AIR SEPARATOR, ASSOCIATED HOT WATER CIRCULATION PUMPS, PIPING, STARTER/DISCONNECT SWITCH, CONTROLS AND ALL ASSOCIATED APPURTENANCES SHALL BE REMOVED IN THEIR ENTIRETY. CUT BACK AND CAP ASSOCIATED STEAM AND CONDENSATE PIPING TO EXISTING MAINS, CUT BACK AND CAP ASSOCIATED HOT WATER SUPPLY AND RETURN MAINS TO FACILITATE RECONNECTION TO NEW HOT WATER DISTRIBUTION SYSTEM. FOR EXISTING HOT WATER DISTRIBUTION SYSTEM (EHWP-10,11) SERVING THE HIGH SCHOOL SCIENCE WING SHALL REMAIN.
 - CONVERT EXISTING STEAM BOILER (B-1) (MODEL SMITH 6500-S-21 WITH EXISTING POWER FLAME BURNER C7-60-30) FROM STEAM OPERATION TO HOT WATER OPERATION. CAP ASSOCIATED STEAM MAIN AND CONDENSATE RETURN MAIN CONNECTIONS ACCORDINGLY. REVERSE DEDICATED BOILER MAKEUP PUMP CONTROLS FOR STANDBY USE WITH EXISTING STEAM HEATING PLANT. COORDINATE WITH BOILER MANUFACTURER TO GET RECOMMENDATIONS AND CONVERSION INSTRUCTIONS OF ALL COMPONENTS TO BE REPLACED. PROVIDE COMPLETE START UP AND TEST OF THE CONVERTED BOILER SYSTEM USING FACTORY AUTHORIZED SERVICE AGENT. SEE BOILER CONVERSION PIPING DIAGRAM FOR ADDITIONAL NOTES AND REQUIREMENTS.
 - EXISTING PUMPS (EHWP-10,11) SHALL BE INSPECTED, REFURBISHED TO EXISTING DESIGN CONDITIONS. REPAIR PUMPS AS REQUIRED IF FOUND NOT OPERATING PROPERLY. PROVIDE INITIAL WATER BALANCING REPORT PRIOR TO HEAT EXCHANGER DEMOLITION FOR BASELINE OF EXISTING PUMP PERFORMANCES.

LEGEND	
	POINT OF CHANGE IN DUCT SIZE NEW DUCTWORK THERMAL INSULATED LINING-DUCT SIZES ON PLANS ARE CLEAR INSIDE DIMENSIONS
	FLEXIBLE CONNECTION NEW DUCTWORK POINT OF CHANGE IN DUCT SIZE
	SQUARE DUCT TURN WITH TURNING VANES
	TYPE 1-SEE SCHEDULE NEW 4-WAY CEILING DIFFUSER CM
	TYPE 2-SEE SCHEDULE NEW 3-WAY CEILING DIFFUSER CM
	TYPE 3-SEE SCHEDULE NEW 2-WAY CEILING DIFFUSER CM
	TYPE 4-SEE SCHEDULE CEILING EXHAUST/RETURN REGISTER CM
	TYPE 5-SEE SCHEDULE REGISTER/DIFFUSER IDENTIFICATION CM
	DUCT DROP; DUCT RISE
	DUCT MTD, MANUAL AIR VOLUME DAMPER (W/LOCKING DEVICE)
	MOTORIZED AIR VOLUME DAMPER (W/ACCESS DOOR)
	FIRE DAMPER (U.L. APPROVED) & ACCESS DOOR
	HWS HOT WATER HEATING SUPPLY PIPING
	HW R HOT WATER HEATING RETURN PIPING
	LPS LOW PRESSURE STEAM PIPING
	LPR CONDENSATE RETURN PIPING
	PD PUMPED DISCHARGE
	FOS/FOR FUEL OIL SUPPLY/RETURN PIPING
	L LIQUID REFRIGERANT PIPING
	S SUCTION REFRIGERANT PIPING
	CD CONDENSATE DRAIN PIPING
	FLOW DIRECTION WITHIN PIPE CONNECTION TO EQUIPMENT
	GATE VALVE (HORIZONTAL/VERTICAL)
	COMBINATION BALANCING & SHUT-OFF VALVE (CIRCUIT SETTER)
	2 - WAY CONTROL VALVE
	3 - WAY CONTROL VALVE
	CHECK VALVES
	PIPE CONNS. (BOTTOM, TOP 45 OR 90; PIPE UP)
	EXPANSION JOINT, ANCHOR AND GUIDES
	EXHAUST FAN IDENTIFICATION
	ENERGY RECOVERY UNIT IDENTIFICATION
	CABINET HEATER IDENTIFICATION
	UNIT HEATER IDENTIFICATION
	VACUUM CONDENSATE PUMP IDENTIFICATION
	CONDENSATE PUMP IDENTIFICATION
	HOT WATER CIRCULATING PUMP IDENTIFICATION
	FAN COIL UNIT IDENTIFICATION
	AIR HANDLING UNIT IDENTIFICATION
	ROOFTOP UNIT IDENTIFICATION
	BOILER IDENTIFICATION
	HEAT PUMP UNIT IDENTIFICATION
	CONDENSING UNIT IDENTIFICATION
	SUPPLY FAN IDENTIFICATION
	CONVECTOR IDENTIFICATION
	HEAT EXCHANGER IDENTIFICATION
	EXPANSION TANK IDENTIFICATION
	WINDOW AC UNIT IDENTIFICATION
	UNIT VENTILATOR IDENTIFICATION
	UNIT VENTILATOR INTAKE LOUVER IDENTIFICATION
	EXISTING RADIATOR IDENTIFICATION
	NEW FIN TUBE RADIATION IDENTIFICATION
	TO CONTROLLED ROOM WALL MTD. (5'-2"± A.F.F.-U.O.N.) TEMPERATURE SENSOR
	TO CONTROLLED ROOM WALL MTD. (5'-2"± A.F.F.-U.O.N.) REVERSE ACTING THERMOSTAT
	DOOR UNDERCUT
	CD CEILING DIFFUSER
	CR CEILING REGISTER
	TR TOP WALL REGISTER
	CFM CUBIC FEET PER MINUTE
	CV MOTORIZED CONTROL VALVE
	AFF ABOVE FINISHED FLOOR
	OAI/FAI OUTSIDE (FRESH) AIR INTAKE
	HVAC HEATING, VENTILATING, AIR CONDITIONING CONTRACTOR
	FC FLEXIBLE CONNECTION
	FSC FULL SIZE CONNECTION
	AD ACCESS DOOR
	FD FIRE DAMPER
	SECTION/DETAIL/ELEVATION/PART PLAN NUMBER
	DRAWING NUMBER
	SECTION/ELEVATION IDENTIFICATION

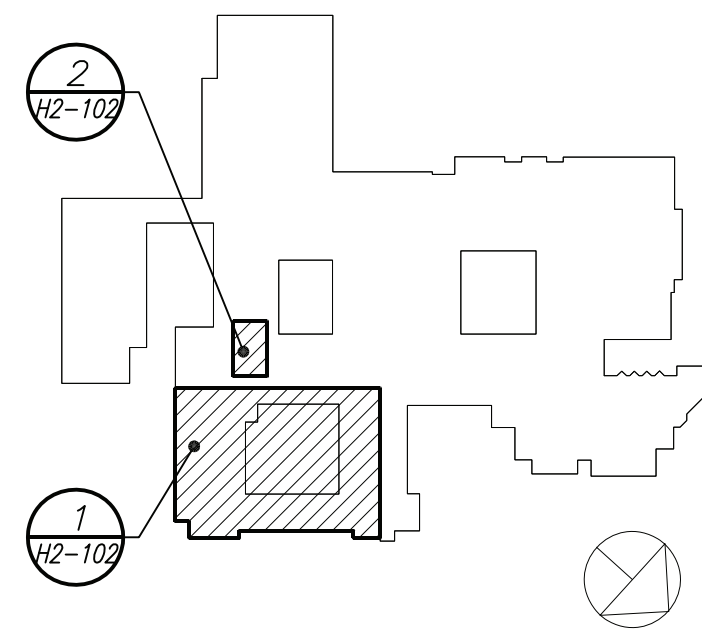


- NOTES: (SEE DRAWING H2-101 FOR ADDITIONAL NOTES)**
- CUT BACK AND REROUTE ALL EXISTING DUCTWORK, PIPING, SUPPORTS, CONTROLS, ETC. TO FACILITATE NEW ELEVATOR SHAFT INSTALLATION. ALL REROUTED PIPING SHALL BE CONCEALED WITHIN WALLS, CEILING OR FINISHED PIPE ENCLOSURE.
 - CUT BACK AND REMOVE EXISTING SPLIT SYSTEM AC UNIT, ASSOCIATED DUCTWORK, PIPING, SUPPORTS, CONTROLS, ETC. PATCH AND SEAL ALL WALL OPENING TO MATCH EXISTING CONSTRUCTION.
 - REFURBISH EXISTING SPLIT SYSTEM UNITS SERVING OFFICES. VACUUM AND STEAM CLEAN INDOOR AND OUTDOOR UNIT COILS AND CASINGS, REPLACE AIR FILTERS AND RE-BALANCE AIR FLOW TO INDICATED CFMS.
 - WORK IN THIS AREA IS BELOW AUDITORIUM SEATING WITHIN STORAGE AREA.

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

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2	SED Submission Addendum#1	01/08/2021
3	ISSUED FOR BID	01/19/2021



Geddis Architects
Architecture. Planning. Interiors
71 Old Post Road
P.O. Box 1020
Southport, CT 06890
(203) 256-8700

Fielding International
Transforming Education by Design
259 Water Street Suite 1L
Warren, RI 02885 USA
+1 401-289-2789

bga
BARILE GALLAGHER & ASSOCIATES
CONSULTING ENGINEERS
39 MARBLE AVENUE, PLEASANTVILLE, NY 10570
914.328.6060 GENERAL@BGA-ENG.COM WWW.BGA-ENG.COM

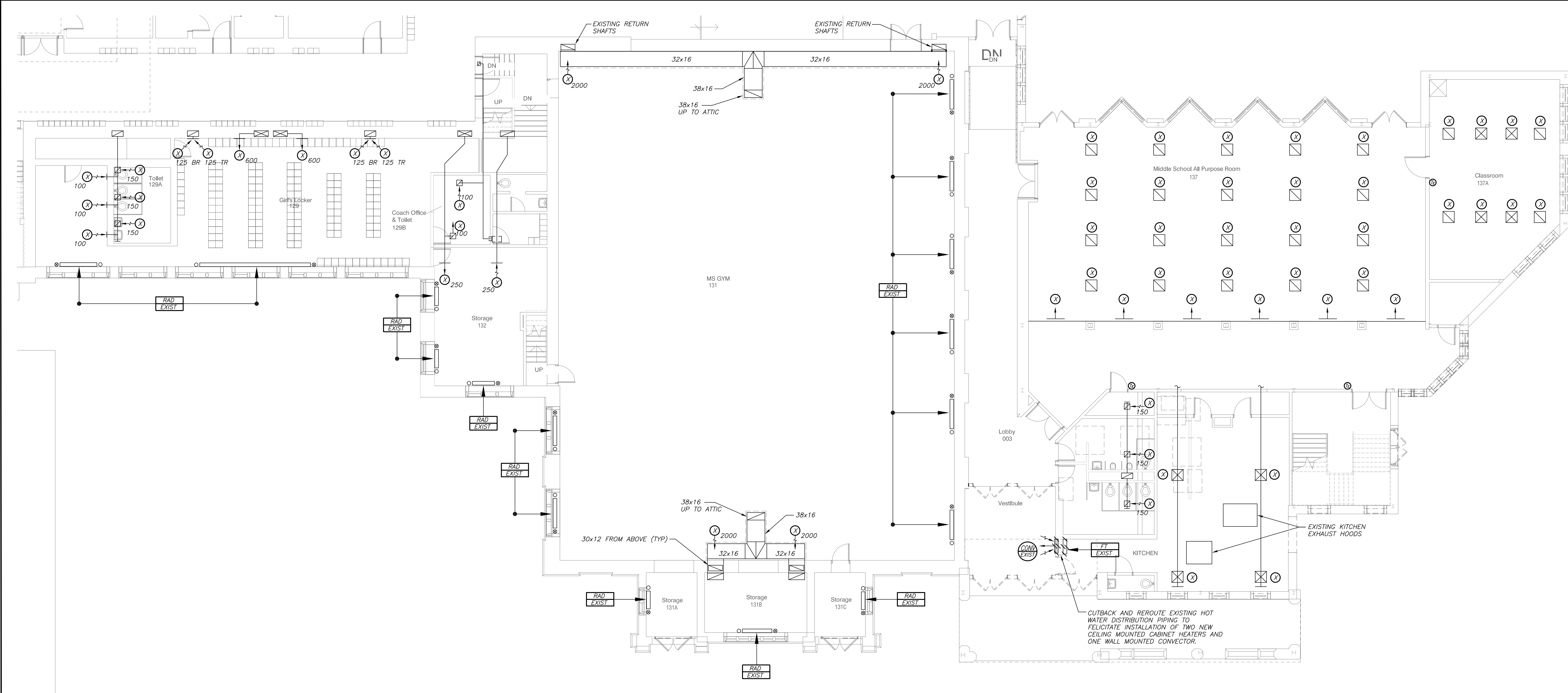
Construction Manager
SAVIN ENGINEERS, P.C.
3 Campus Drive
Pleasantville, NY 10570
914-769-3200
Structural Engineer
ODEH ENGINEERS
1223 Mineral Spring Ave
North Providence, RI 02904
401-724-1771
Civil Engineer
WESTON & SAMPSON
1 Winners Circle, Suite 130
Albany, NY 12205
518-463-4400
Acoustic Consultant
DP DESIGN
12 Cold Spring Street
Providence, RI
401-861-3218

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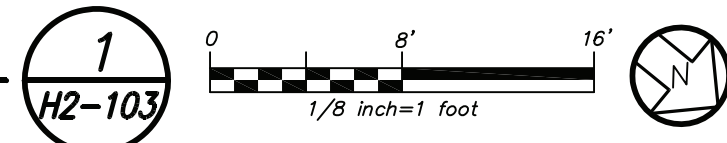
PROJECT
Rye City School District
555 Theodore Fremd Ave, Rye, NY 10580
Rye High School & Middle School
1 Parsons Street, Rye, New York 10580

HIGH SCHOOL & MIDDLE SCHOOL
PART FIRST FLOOR PLAN
PROJECT 1 & 3

SEAL & SIGNATURE
DATE: 11/07/19
PROJECT No: 9200
DRAWING BY: BGA
CHK BY: BGA
DWG No: H2-102



PART FIRST FLOOR PLAN
(REMOVAL) PROJECT 1

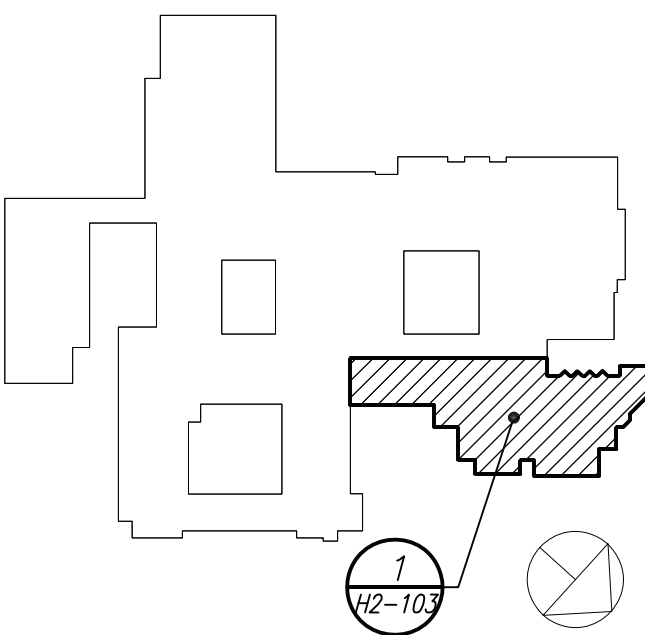


NOTES: (SEE DRAWING H2-101 FOR ADDITIONAL NOTES)

① REMOVE EXISTING FIN TUBE RADIATION AND CABINET HEATERS. CUT BACK AND REROUTE STEAM AND CONDENSATE PIPING TO NEW HEATER LOCATIONS.

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P.O. Box 1020
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259 Water Street Suite 1L
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BARILE GALLAGHER & ASSOCIATES

CONSULTING ENGINEERS

39 MARBLE AVENUE, PLEASANTVILLE, NY 10570
914.328.6060 GENERAL@BGA-ENG.com WWW.BGA-ENG.COM

Construction Manager
SAVIN ENGINEERS, P.C.
3 Campus Drive
Pleasantville, NY 10570
914-769-3200

Structural Engineer
ODEH ENGINEERS
1223 Mineral Spring Ave
North Providence, RI 02904
401-724-1771

Civil Engineer
WESTON & SAMPSON
1 Winners Circle, Suite 130
Albany, NY 12205
518-463-4400

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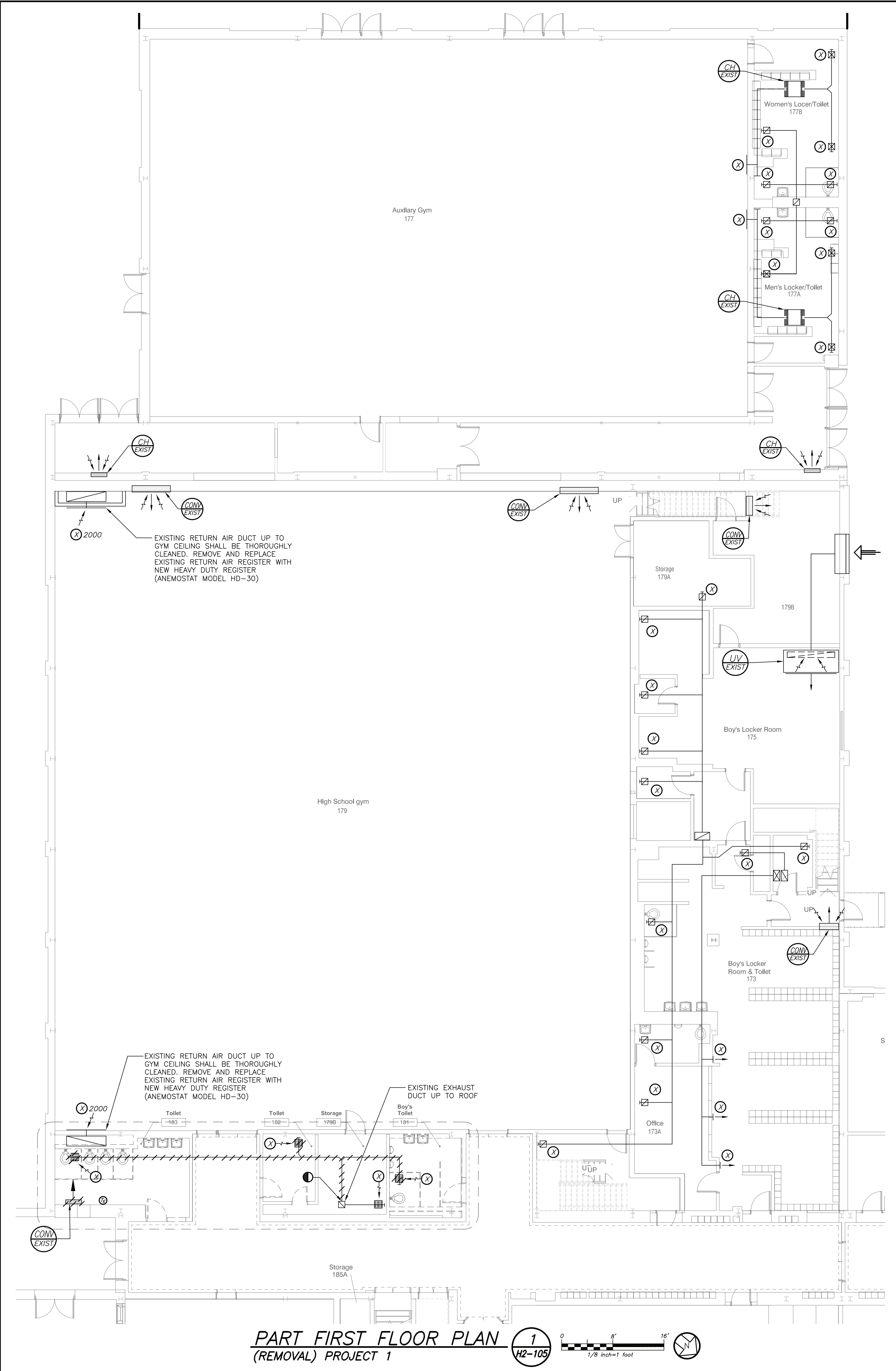
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HIGH SCHOOL & MIDDLE SCHOOL
PART FIRST FLOOR PLAN

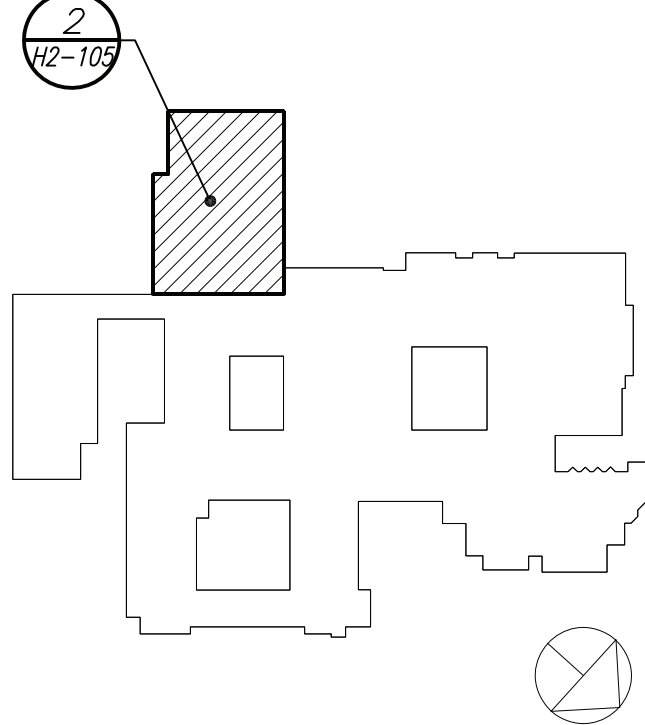
PROJECT 1 & 3

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2	SED Submission Addendum#1	01/08/2021
3	ISSUED FOR BID	01/19/2021



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BARILE GALLAGHER & ASSOCIATES

CONSULTING ENGINEERS

39 MARBLE AVE. PLEASANTVILLE, NY 10570
914.328.6060 GENERAL@BGA-ENG.com www.BGA-ENG.com

Construction Manager

SAVIN ENGINEERS, P.C.

3 Campus Drive

Pleasantville, NY 10570

914-769-3200

Structural Engineer

ODEH ENGINEERS

1223 Mineral Spring Ave

North Providence, RI 02904

401-724-1771

Civil Engineer

WESTON & SAMPSON

1 Winners Circle, Suite 130

Albany, NY 12205

518-463-4400

Acoustic Consultant

DP DESIGN

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Providence, RI

401-861-3218

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PROJECT

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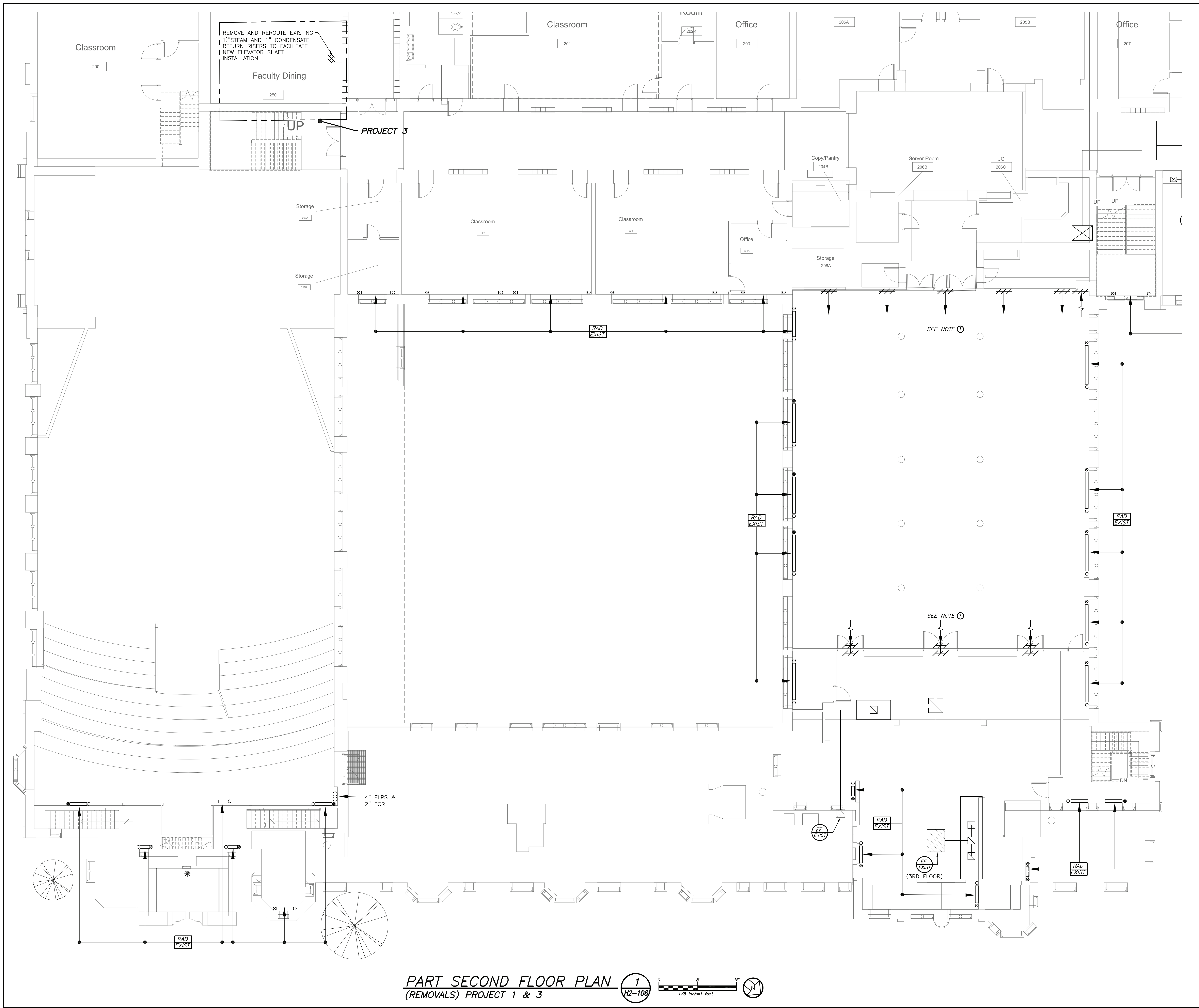
Rye High School & Middle School

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HIGH SCHOOL & MIDDLE SCHOOL
PART FIRST FLOOR PLAN

PROJECT 1

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	DWG No:	H2-105



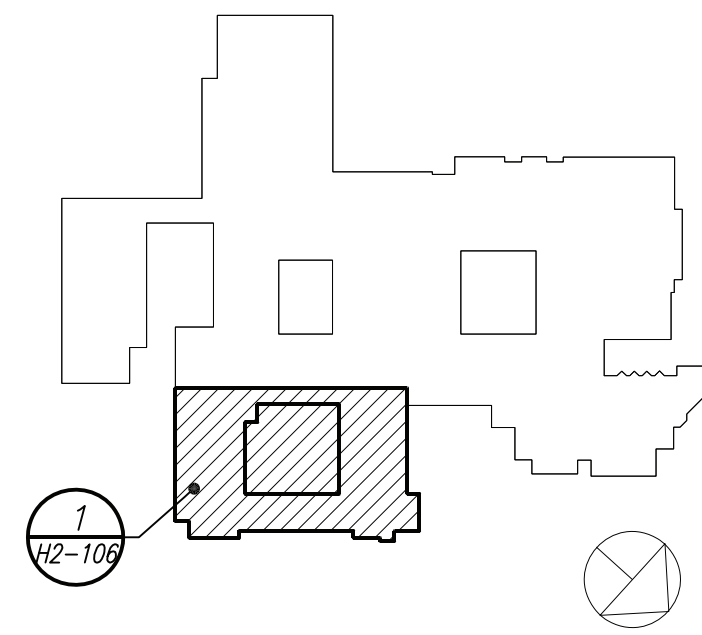
PART SECOND FLOOR PLAN
(REMOVALS) PROJECT 1 & 3

NOTES: (SEE DRAWING H2-101 FOR ADDITIONAL NOTES)
CUT BACK AND REMOVE EXISTING DUCTWORK SECTIONS TO FACILITATE NEW DUCTWORK DISTRIBUTION. REMOVE EXISTING TRANSFER REGISTERS AND PATCH WALL OPENING TO MATCH EXISTING CONSTRUCTION.

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2	SED Submission Addendum#1	01/08/2021
3	ISSUED FOR BID	01/19/2021



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CONSULTING ENGINEERS
39 MARBLE AVE. PLEASANTVILLE, NY 10570
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Construction Manager
SAVIN ENGINEERS, P.C.
3 Campus Drive
Pleasantville, NY 10570
914-769-3200
Structural Engineer
ODEH ENGINEERS
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North Providence, RI 02904
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Civil Engineer
WESTON & SAMPSON
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Albany, NY 12205
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HIGH SCHOOL & MIDDLE SCHOOL
PART SECOND FLOOR PLAN
PROJECT 1 & 3
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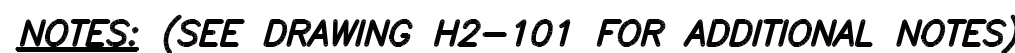
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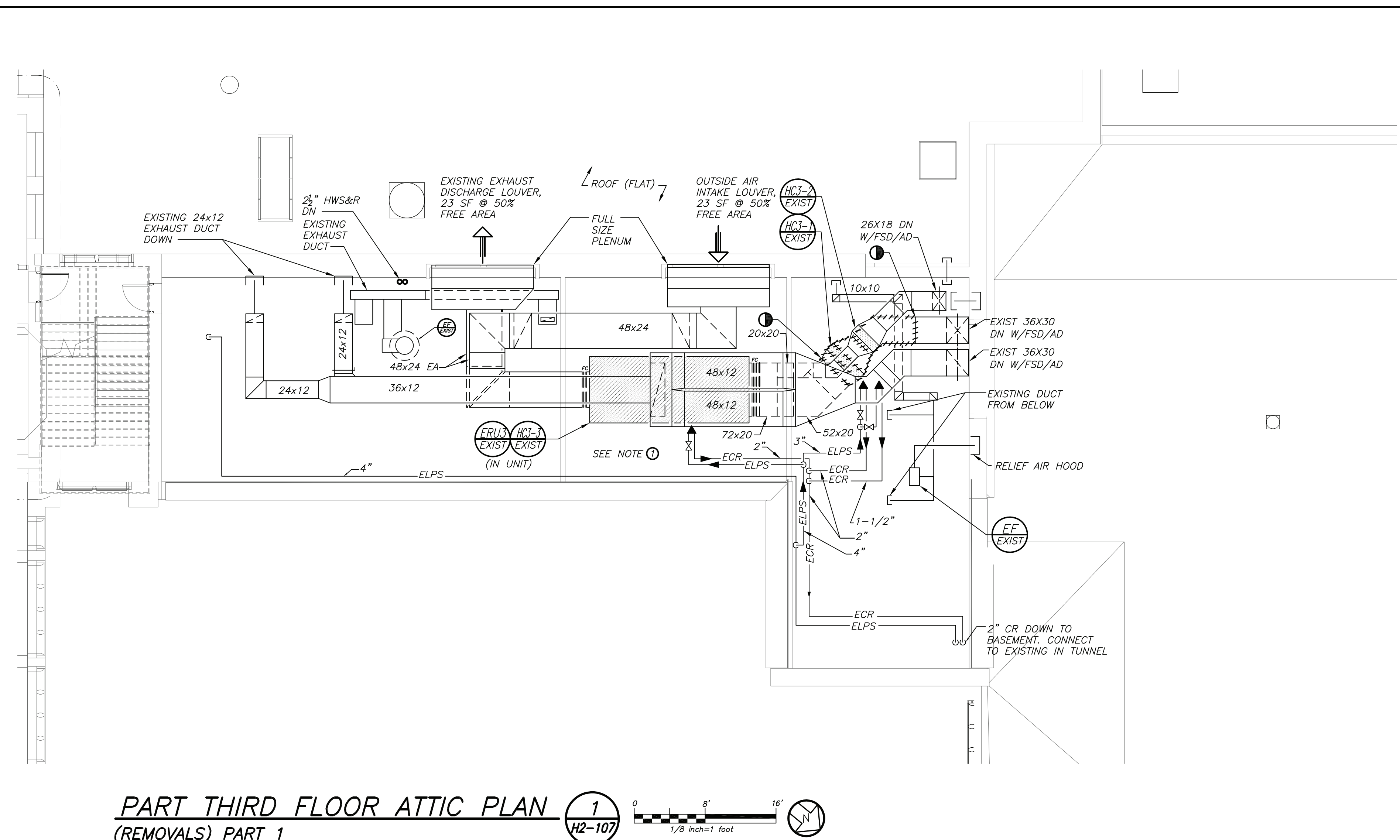
HIGH SCHOOL & MIDDLE
 SCHOOL
 PART SECOND FLOOR PLAN

PROJECT 1

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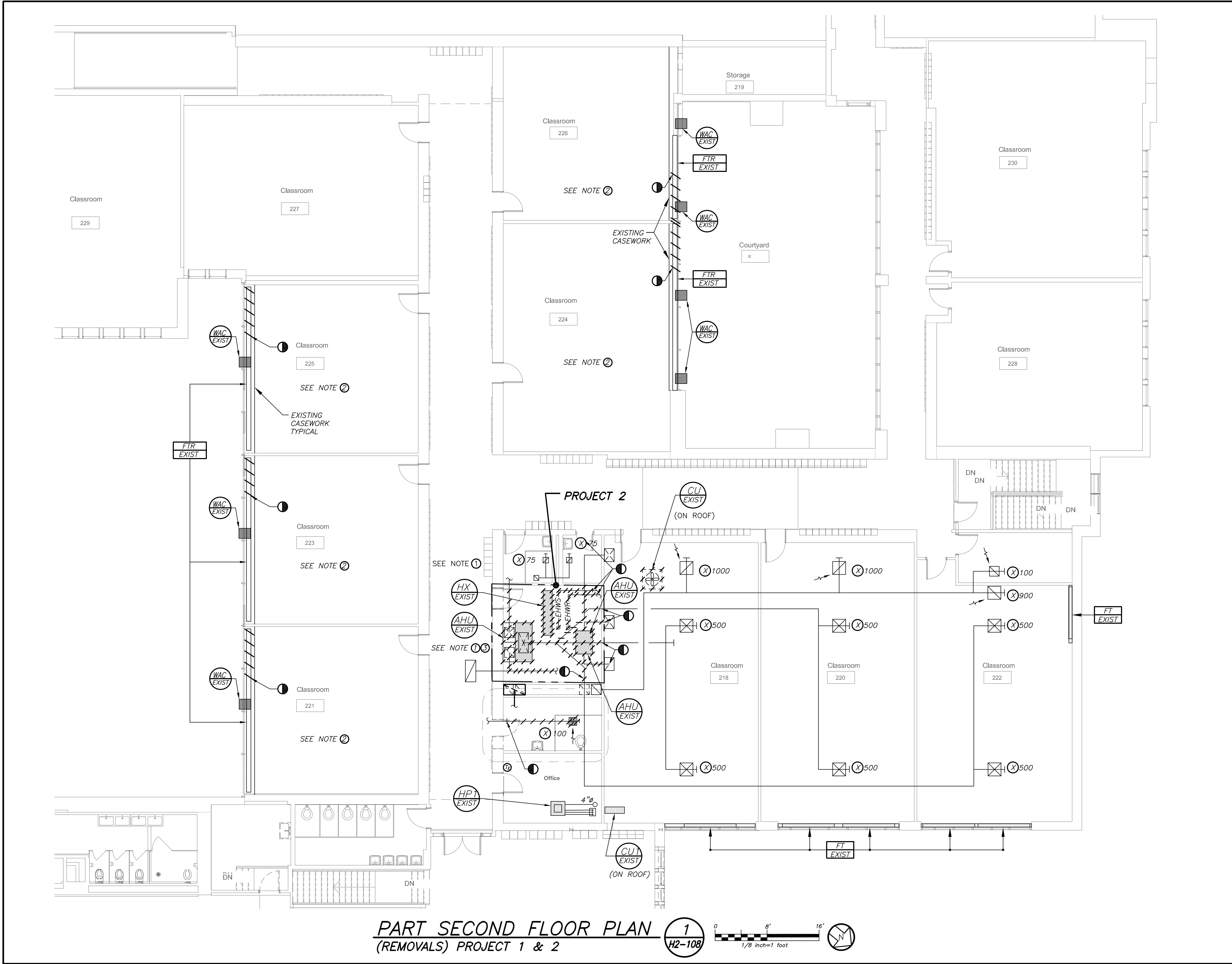


- ① CUT BACK AND CALCISKETING STEAM AND CONDENSATE PIPING AWAY FROM DUCT MOUNTED HEATING COIL. REMOVE ASSOCIATED DUCTWORK SECTIONS, EXISTING STEAM HEATING COIL, SUPPORTS, ETC. TO FACILITATE NEW HEATING COIL AND DX COIL INSTALLATION, REFURBISH AND BALANCE EXISTING ERU FANS SERVING THE CWM AND LOCKER ROOMS. THOROUGHLY INSPECT DRAIN UNITS AND DRAIN PIPING AND BEING REPLACED, REPLACE ALL FILTERS, REMOVE AND REPLACE ANY DAMAGED SUPPLY AND RETURN DUCTWORK INSULATION.
- ② REMOVE EXISTING UNIT VENTILATORS AND ASSOCIATED CONNECTING PIPING, DUCTWORK, SUPPORTS, COVERS, AND WALL SLEEVING. CUT BACK AND CAP EXISTING HOT WATER PIPING TO FACILITATE INSTALLATION OF NEW UNIT VENTILATOR.



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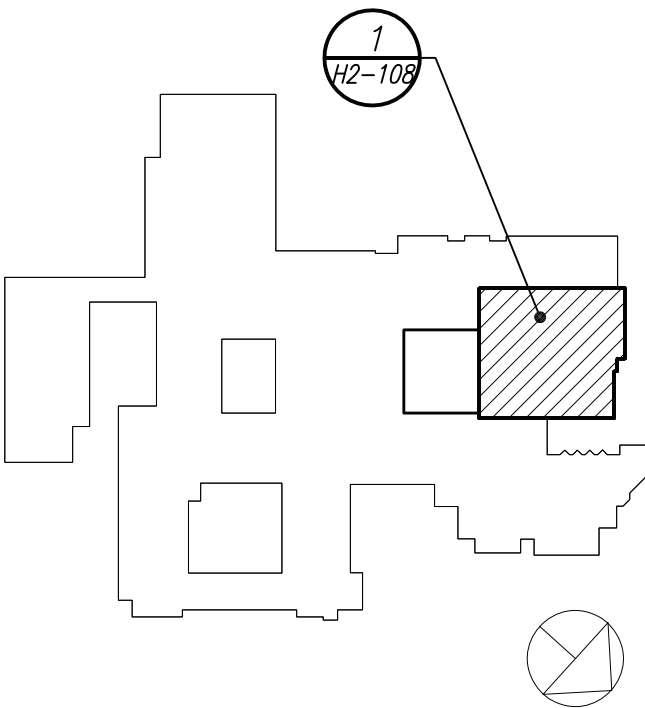


NOTES: (SEE DRAWING H2-101 FOR ADDITIONAL NOTES)

- EXISTING (STEAM TO HOT WATER) HEAT EXCHANGER, CONDENSATE RETURN PUMPS, EXPANSION TANK, AIR SEPARATOR, ASSOCIATED HOT WATER CIRCULATION PUMPS, PIPING, STARTER/DISCONNECT SWITCH, CONTROLS AND ALL ASSOCIATED APPURTENANCES SHALL BE REMOVED IN THEIR ENTIRETY. CUT BACK AND CAP ASSOCIATED STEAM AND CONDENSATE RETURN PIPING TO EXISTING MAINS BELOW FLOOR. CUT BACK AND CAP ASSOCIATED HOT WATER SUPPLY AND RETURN DISTRIBUTION PIPING WITHIN ROOM TO FACILITATE RECONNECTION TO NEW HOT WATER DISTRIBUTION PIPING SYSTEM.
- CUT AND MODIFY EXISTING WOOD CASEWORK SECTIONS TO FACILITATE NEW VERTICAL UNIT VENTILATOR INSTALLATION. CASEWORK SHALL BE FLUSH WITH SIDE IF UNIT VENTILATOR. CUT BACK AND MODIFY EXISTING TWO TIER FIN TUBE RADIATION AND REROUTE EXISTING HOT WATER DISTRIBUTION PIPING BELOW FLOOR OR ABOVE CEILINGS ACCORDINGLY TO TIE INTO EXISTING MAINS. PATCH AND SEAL ANY SLAB OR WALL OPENINGS TO MATCH EXISTING CONSTRUCTION. RELOCATE EXISTING WINDOW AC UNITS WHERE IN CONFLICT WITH NEW UNIT VENTILATOR INSTALLATION.
- EXISTING TWO AIR HANDLERS, RETURN/EXHAUST FANS, ASSOCIATED PIPING, ROOF MOUNTED FOUR TON CONDENSING UNIT, STARTER/DISCONNECTS, CONTROLS AND APPURTENANCES SHALL BE REMOVED IN THEIR ENTIRETY. CUT BACK AND CAP ASSOCIATED DUCTWORK AND PIPING TO EXISTING MAINS TO FACILITATE RECONNECTION TO EXISTING DISTRIBUTION DUCTWORK AND NEW HOT WATER DISTRIBUTION PIPING SYSTEM. PATCH AND SEAL ASSOCIATED ROOF OPENINGS WATER TIGHT AND ALL MUR-WALL OPENINGS TO MATCH EXISTING CONSTRUCTION. EXISTING DUCTLESS SPLIT SYSTEM CEILING/WALL UNITS AND ROOF MOUNTED CONDENSING UNITS SERVING FIRST AND SECOND FLOORS SHALL REMAIN.

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Warren, RI 02885 USA
+1 401-289-2789



BARILE GALLAGHER & ASSOCIATES

CONSULTING ENGINEERS
39 MARBLE AVENUE, PLEASANTVILLE, NY 10570
914.328.6060 GENERAL@BGA-ENG.COM WWW.BGA-ENG.COM

Construction Manager
SAVIN ENGINEERS, P.C.
3 Campus Drive
Pleasantville, NY 10570
914-769-3200

Structural Engineer
ODEH ENGINEERS
1223 Mineral Spring Ave
North Providence, RI 02904
401-724-1771

Civil Engineer
WESTON & SAMPSON
1 Winners Circle, Suite 130
Albany, NY 12205
518-463-4400

Acoustic Consultant
DP DESIGN
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PROJECT

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HIGH SCHOOL & MIDDLE SCHOOL
PART SECOND FLOOR PLAN

PROJECT 1 & 2

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Garile Gallagher & Associates
CONSULTING ENGINEERS
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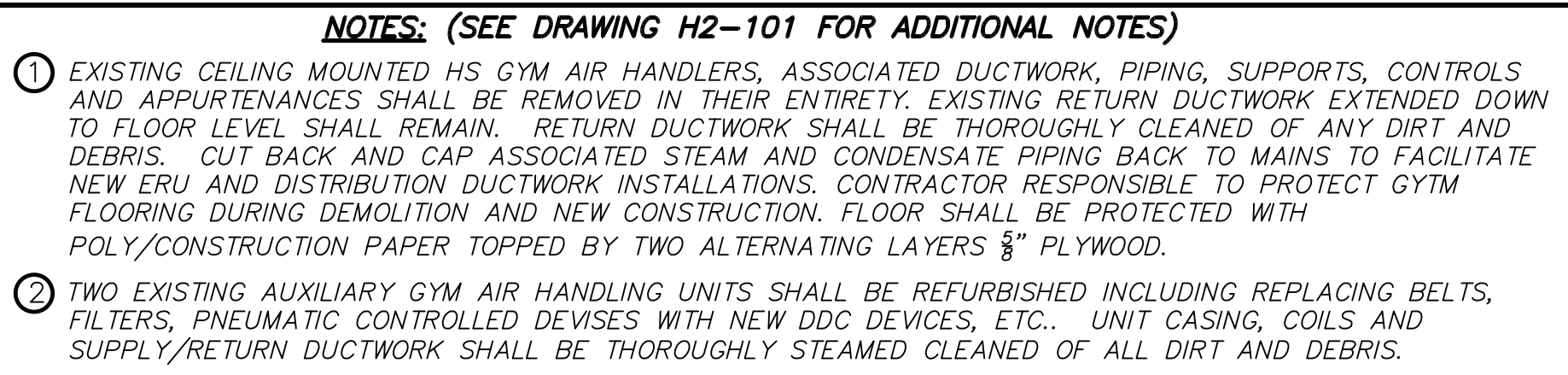
Acoustic Consultant
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PROJECT

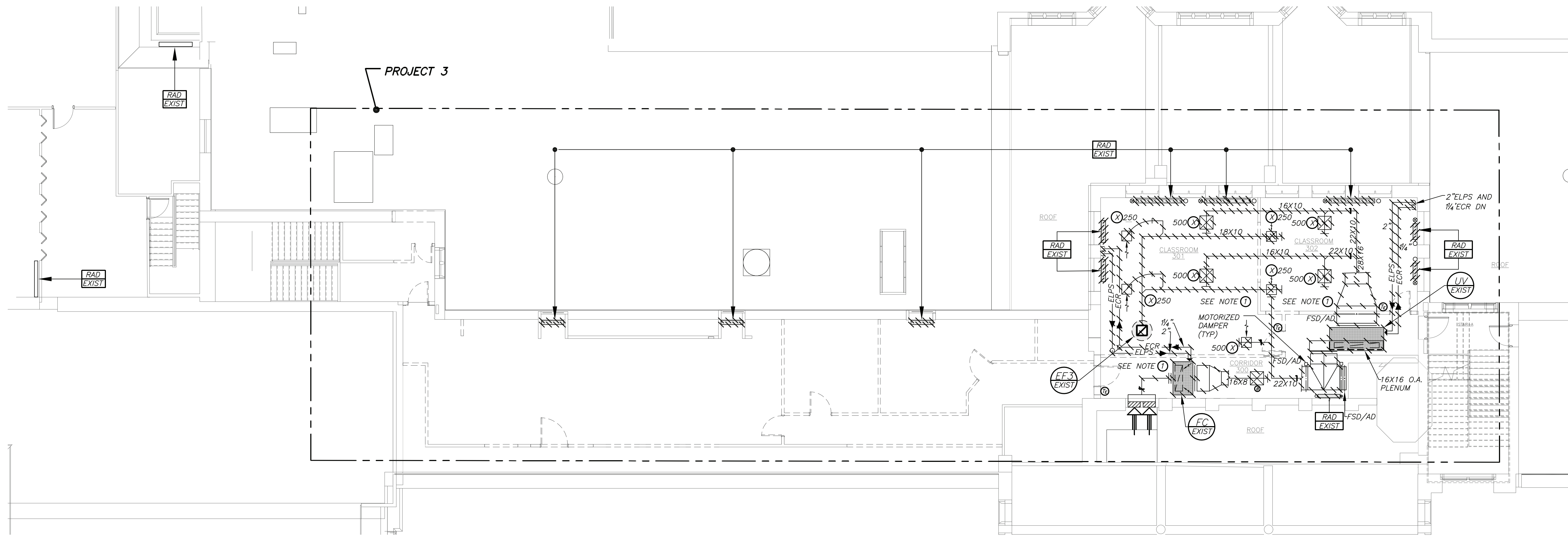
1 Parsons Street, Rye, New York 10580

PROJECT 1

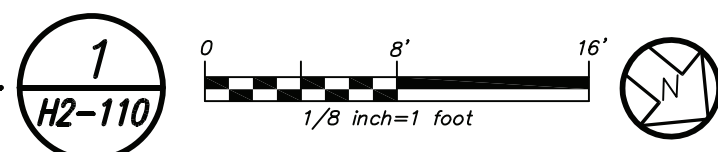
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	DWG No:	H2-109



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PART THIRD FLOOR PLAN
(REMOVALS) PROJECT 3



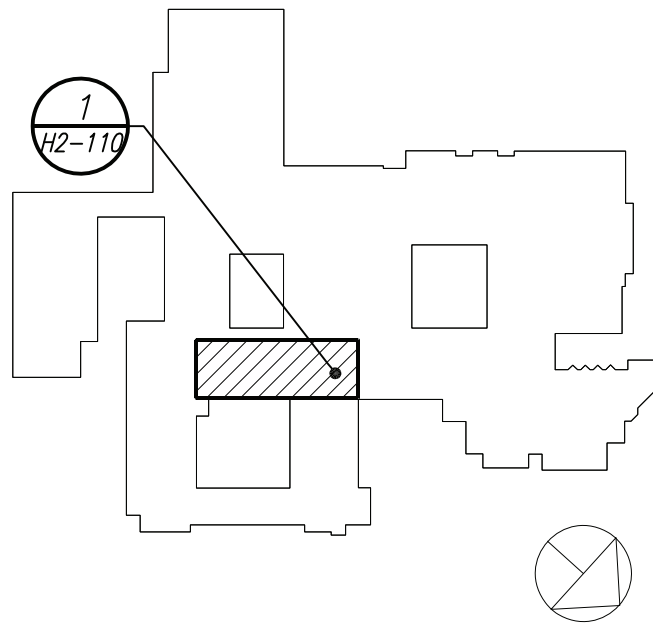
NOTES: (SEE DRAWING H2-101 FOR ADDITIONAL NOTES)

- ① EXISTING HORIZONTAL UNIT VENTILATORS, ASSOCIATED DUCTWORK, PIPING, SUPPORTS, CONTROLS AND APPURTENANCES SHALL BE REMOVED IN THEIR ENTIRETY. CUT BACK AND CAP ASSOCIATED STEAM AND CONDENSATE PIPING BACK TO MAINS TO FACILITATE NEW ERU AND PERIMETER RADIATION INSTALLATIONS.

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

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Revision Schedule		
No.	Description	Date
1	SED Submission	09/15/2020
2	SED Submission Addendum#1	01/08/2021
3	ISSUED FOR BID	01/19/2021



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Construction Manager
SAVIN ENGINEERS, P.C.
3 Campus Drive
Pleasantville, NY 10570
914-769-3200

Structural Engineer
ODEH ENGINEERS
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Civil Engineer
WESTON & SAMPSON
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SED #: 6618-0001-0005-032

PROJECT

Rye City School District

555 Theodore Fremd Ave, Rye, NY 10580

Rye High School & Middle School

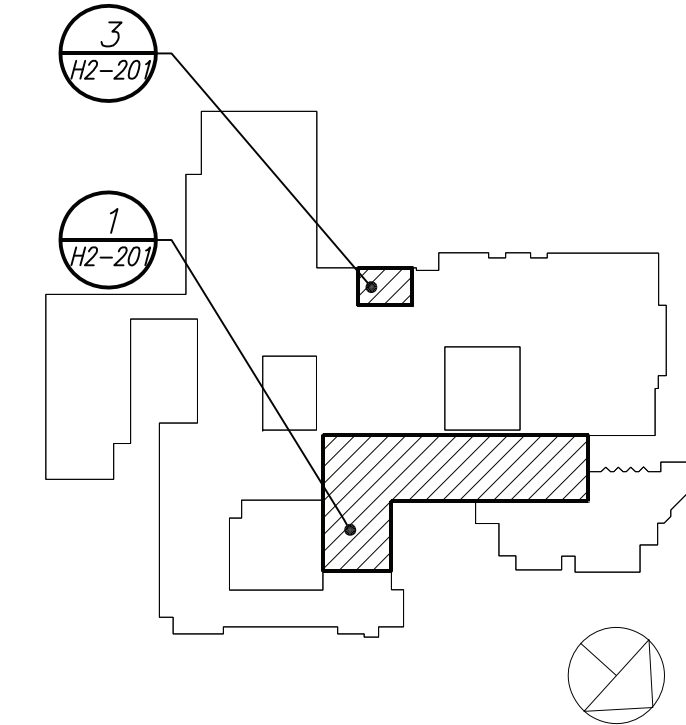
1 Parsons Street, Rye, New York 10580

HIGH SCHOOL & MIDDLE SCHOOL
PART THIRD FLOOR PLAN

PROJECT 3

SEAL & SIGNATURE	DATE:	11/07/19
	PROJECT No:	9200
	DRAWING BY:	BGA
	CHK BY:	BGA
	DWG No:	H2-110

Revision Schedule		
No.	Description	Date
1	SED Submission	09/15/2020
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3 Campus Drive
Pleasantville, NY 10570
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SED #: 6618-0001-0005-032

PROJECT

Rye City School District
555 Theodore Fremd Ave, Rye, NY 10580

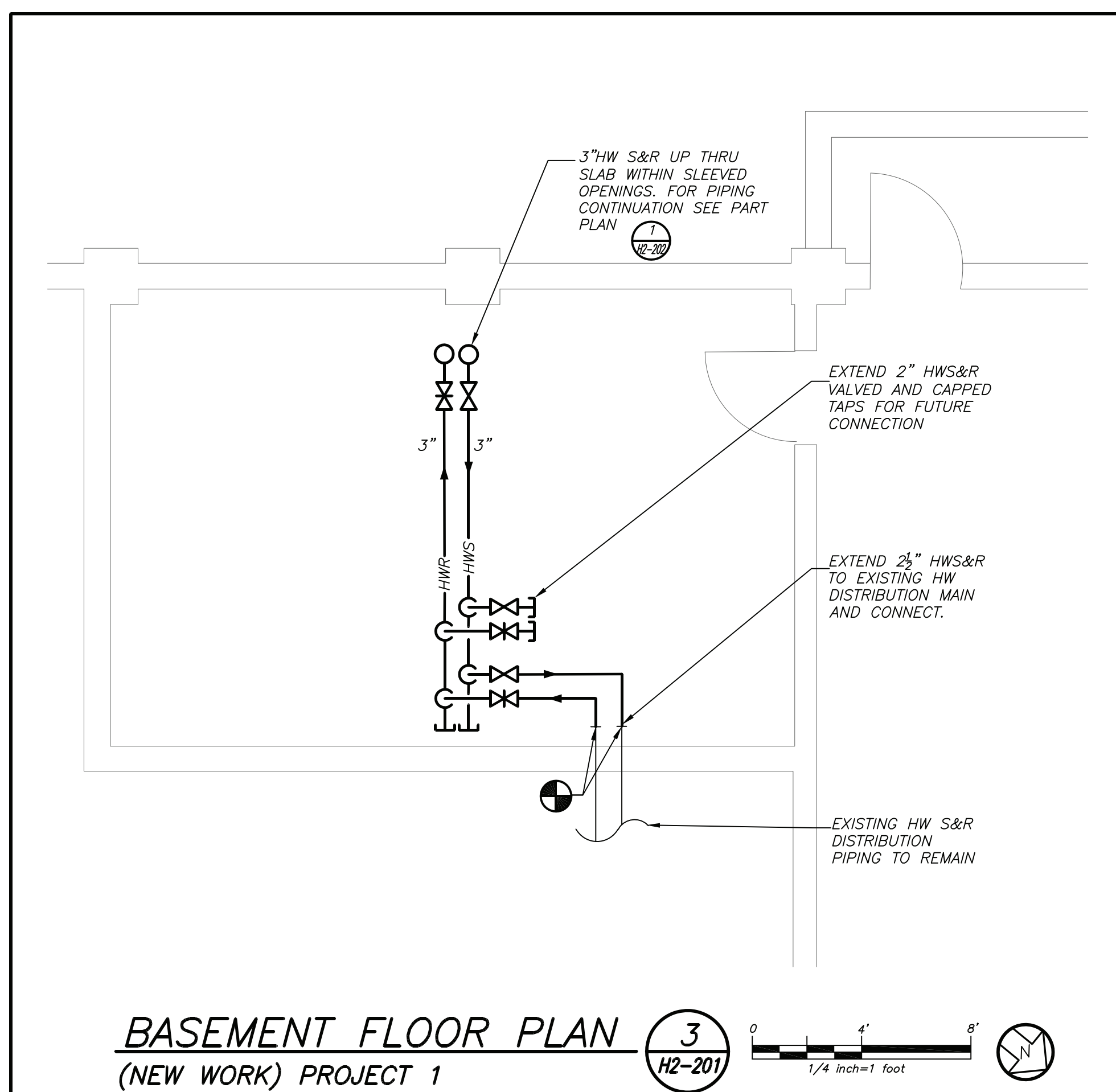
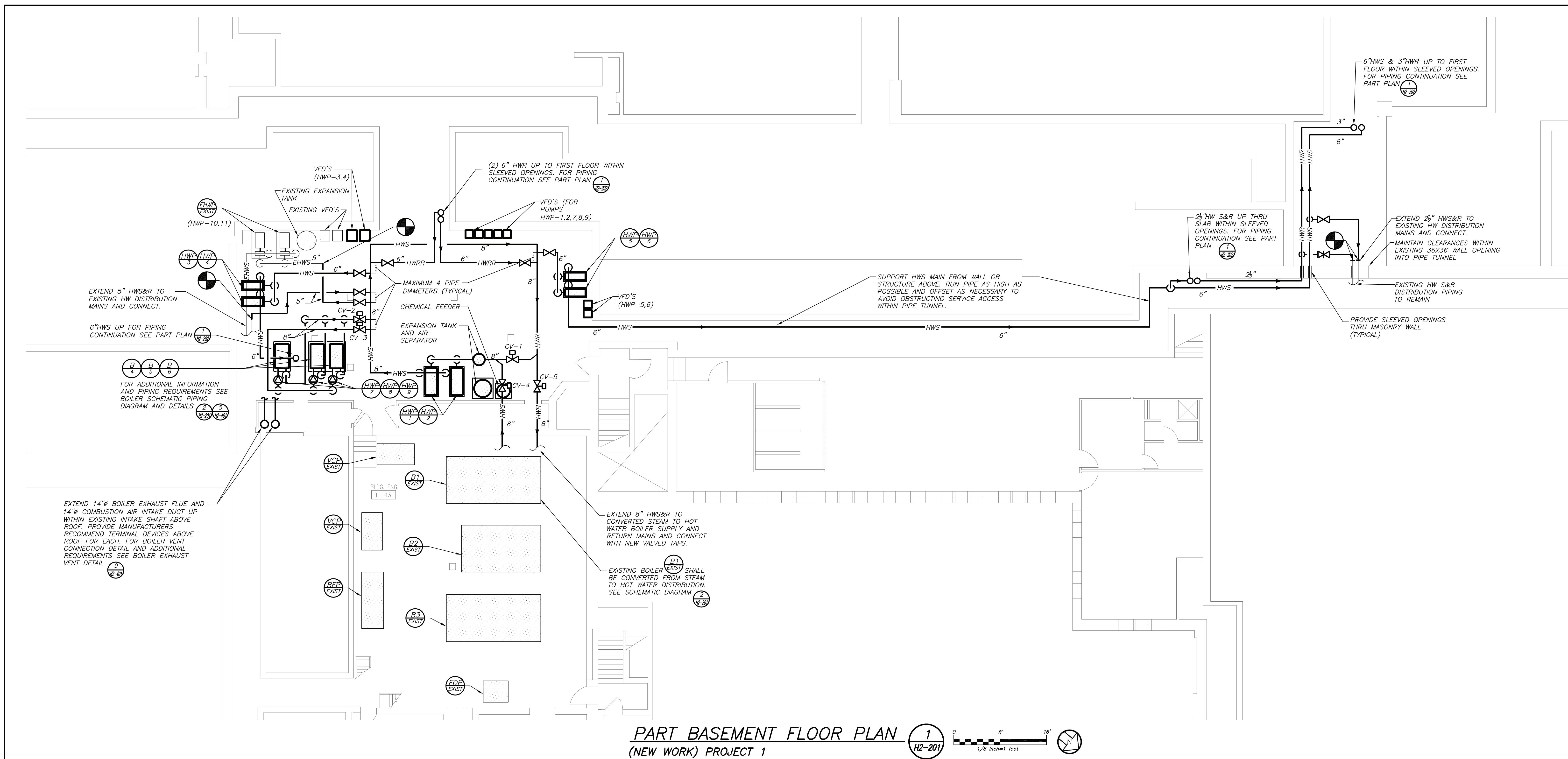
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**HIGH SCHOOL & MIDDLE SCHOOL
PART BASEMENT PLANS AND
BOILER PIPING DIAGRAM**

PROJECT 1

SEAL & SIGNATURE	DATE:	11/07/19
	PROJECT No:	9200
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	DWG No:	H2-201



NOTES: (SEE DRAWING H2-101 FOR ADDITIONAL NOTES)

MARK	DESCRIPTION
(1)	SUCTION DIFFUSER
(2)	TRIPLE DUTY VALVE (SOFT SEAT)
(3)	FLEXIBLE CONNECTION
(4)	CONCENTRIC REDUCER
(5)	PRESSURE GAUGE(W/SHUT-OFF COCK)
(6)	PRESSURE GAUGE (WITH SHUT-OFF COCK) & THERMOMETER
(7)	DRAIN VALVE WITH HOSE END CONNECTION
(8)	GATE VALVE (WITH CHAIN OPERATOR FOR UNREACHABLE LOCATIONS)
(9)	AUTOMATIC AIR VENT
(10)	BALL VALVE
(11)	PRESSURIZED EXPANSION TANK
(12)	NOT USED
(13)	CHECK VALVE
(14)	UNION CONNECTION
(15)	BOILER PRESS./TEMP. RELIEF VALVE
(16)	GROUT PUMP BASE INTO PAD
(17)	BRONZE BODY MAKE-UP WATER PRESSURE REGULATOR W/ BUILT IN CHECK VALVE
(18)	NOT USED
(19)	NOT USED
(20)	NEW 4" THICK CONCRETE HOUSEKEEPING PAD
(21)	EXISTING FLUE OUTLET
(22)	EXISTING 4" HOUSEKEEPING PAD
(23)	BOILER DRAIN
(24)	NOT USED
(25)	BALANCE VALVE
(26)	HEADER TEMPERATURE SENSOR
(27)	DIFFERENTIAL PRESSURE SENSOR (VFD)
(28)	NOT USED

KEYED NOTES (NEW WORK)

1. CONVERT EXISTING STEAM BOILER B-1 (MODEL SMITH 6500-S-21 WITH POWER FLAME BURNER C7-00-30) FROM STEAM OPERATION TO HOT WATER, CAP STEAM MAIN AND ASSOCIATED CONDENSATE RETURN LINES ACCORDINGLY TO ISOLATE CONVERTED BOILER FROM STEAM SYSTEM. COMPLY WITH MANUFACTURER'S RECOMMENDATIONS AND INSTRUCTIONS FOR BOILER CONVERSION. PROVIDE COMPLETE START UP AND TEST OF THE CONVERTED BOILER SYSTEM USING FACTORY AUTHORIZED SERVICE AGENT. THE CONVERSION SHALL INCLUDE BUT NOT BE LIMITED TO THE FOLLOWING:

a. REMOVAL OF THE BOILER STEAM RISERS, SUB-HEADER AND EQUALIZER PIPING.

b. REMOVAL OF THE STEAM PRESSURE RELIEF VALVES.

c. REMOVAL OF THE OPERATING, HIGH LIMIT BOILER PRESSURE CONTROLS.

d. REMOVAL OF THE BOILER PRESSURE GAUGE.

e. A COMPLETE CLEANING OF THE FIRESIDE OF THE BOILER TO INCLUDE BRUSH AND VACUUMING OF THE HEAT EXCHANGER AND RE-ASSEMBLY OF THE CLEAN OUT PASSAGES WITH NEW HIGH TEMPERATURE ROPE AS NEEDED.

f. A COMPLETE CLEANING OF THE BOILER WATERSIDE TO INCLUDE WASHING, FLUSHING AND DE-SCALING OF THE HX IF NECESSARY.

g. USING THE EXISTING FLANGED CONNECTION ON THE BOILER FRONT SECTION, REMOVE THE BLANKING PLATE AND INSTALL NEW PIPING TO HOT WATER SUPPLY.

h. REMOVE THE FLANGE AND BLANKING PLATE FROM THE REAR SECTION. FURNISH AND INSTALL A RETURN TEMPERATURE STABILIZER TUBE ASSEMBLY (RTS) IN THE REAR SECTION, SLIDING THE ASSEMBLY INTO THE BOILER PER THE MANUFACTURER'S INSTRUCTIONS. CONNECT NEW RETURN PIPING TO THIS FLANGE CONNECTION. FURNISH AND INSTALL PIPE PLUGS IN THE SECTION TAPS WHERE THE RISERS WERE REMOVED.

i. FURNISH THE FOLLOWING NEW BOILER CONTROLS:

j. 1. L4006A OPERATING CONTROLLER.

2. L4006E HIGH LIMIT CONTROLLER.

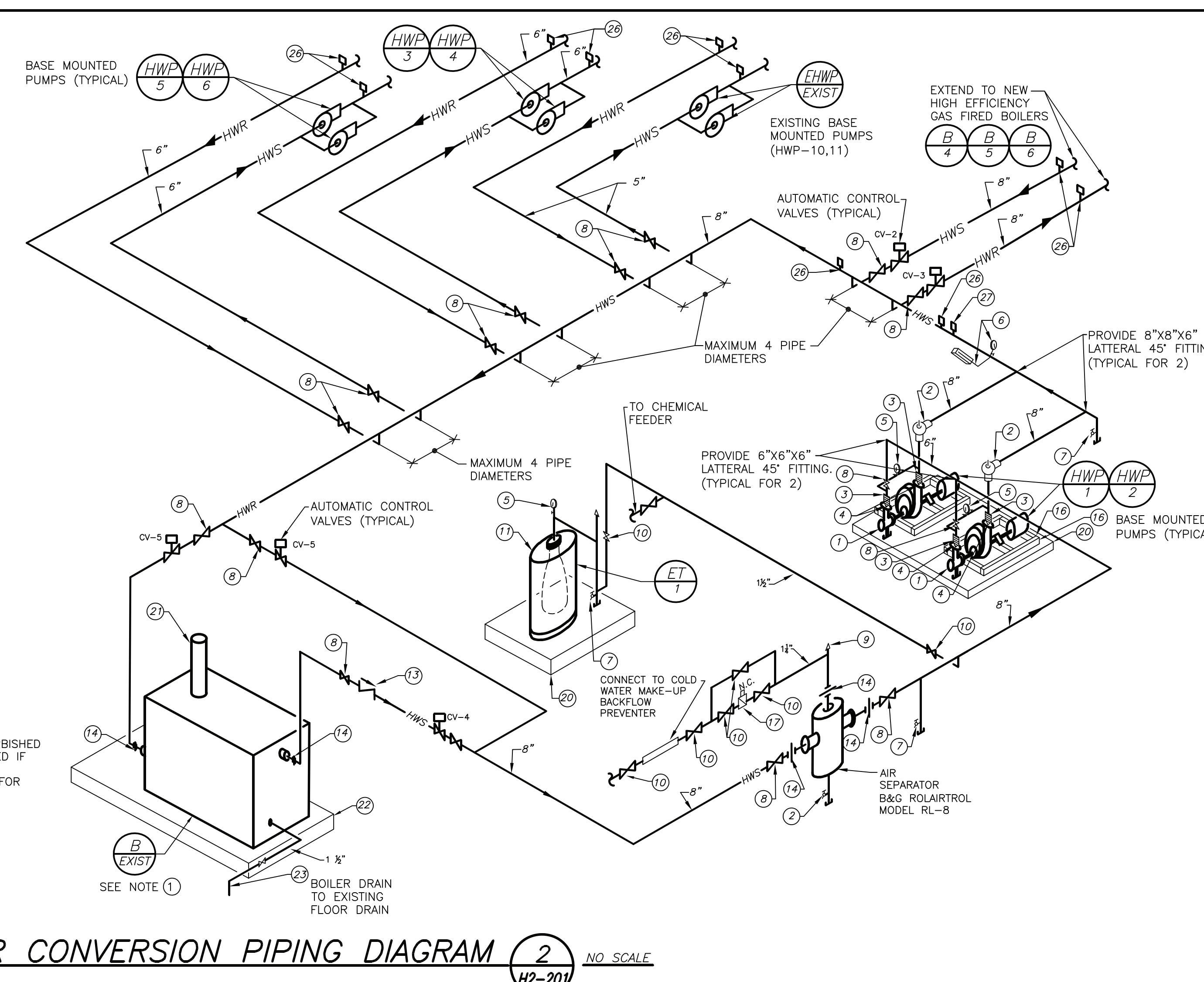
3. TEMPERATURE SENSOR FOR EXISTING 1775 CONTROLLER LOCATED IN BURNER PANEL.

4. PRESSURE / TEMPERATURE GAUGE.

5. WATTS TYPE 740 PRESSURE RELIEF VALVE - 50 PSI WITH A MINIMUM RELIEFING CAPACITY OF 3,344 MBH OR GREATER.

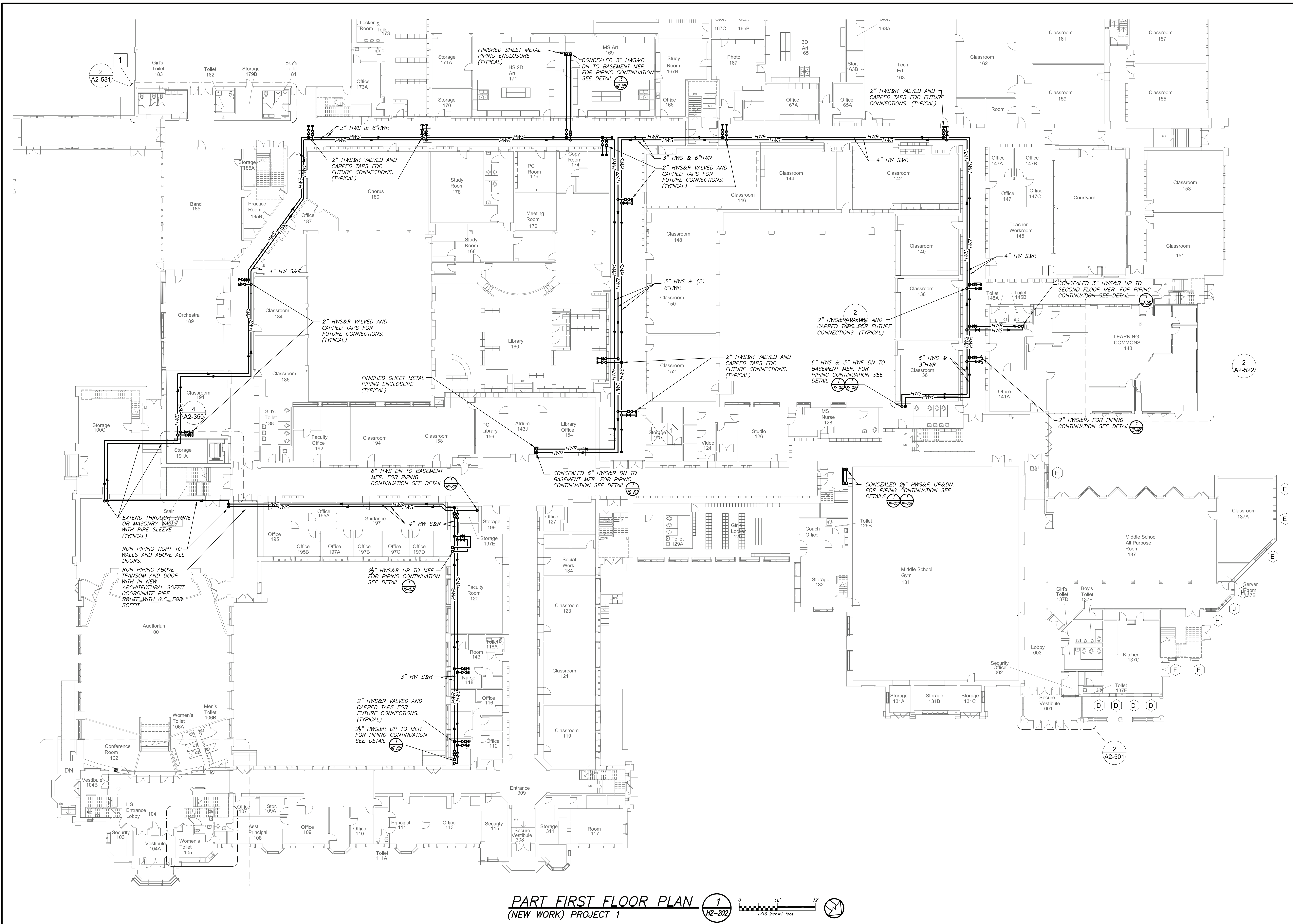
k. THE TWO EXISTING LOW WATER CUT OFFS SHALL BE REPLACED.

2. EXISTING PUMPS (EHWP-10,11) SHALL BE INSPECTED, REFURBISHED TO EXISTING DESIGN CONDITIONS. REPAIR PUMPS AS REQUIRED IF FOUND NOT OPERATING PROPERLY. PROVIDE INITIAL WATER BALANCING REPORT PRIOR TO HEAT EXCHANGER DEMOLITION FOR BASELINE OF EXISTING PUMP PERFORMANCES.



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PART FIRST FLOOR PLAN 1
(NEW WORK) PROJECT 1

NOTES: (SEE DRAWING H2-101 FOR ADDITIONAL NOTES)

WHERE CEILINGS ARE NOT INDICATED TO BE REPLACED IN ARCHITECTURAL DRAWINGS, HVAC CONTRACTOR SHALL REMOVE AND REINSTALL CEILING TILES AND GRID AS NECESSARY TO FACILITATE HOT WATER PIPING INSTALLATION. CONTRACTOR SHALL REPLACE ANY DAMAGED CEILING TILES TO MATCH EXISTING.

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

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Revision Schedule		
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1	SED Submission	09/15/2020
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CONSULTING ENGINEERS
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914.328.6060 GENERAL@BGA-ENG.COM WWW.BGA-ENG.COM

Construction Manager
SAVIN ENGINEERS, P.C.
3 Campus Drive
Pleasantville, NY 10570
914-769-3200

Structural Engineer
ODEH ENGINEERS
1223 Mineral Spring Ave
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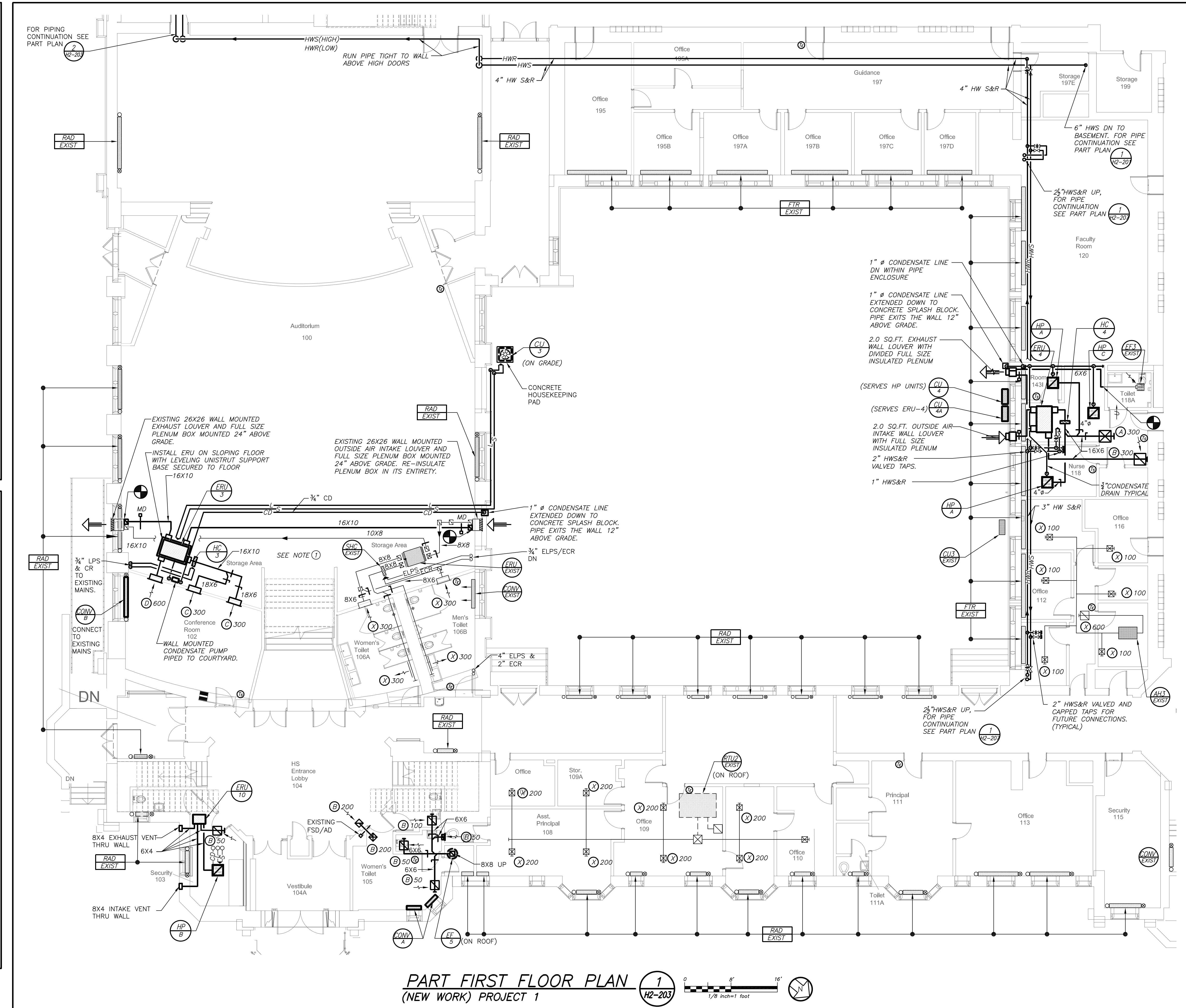
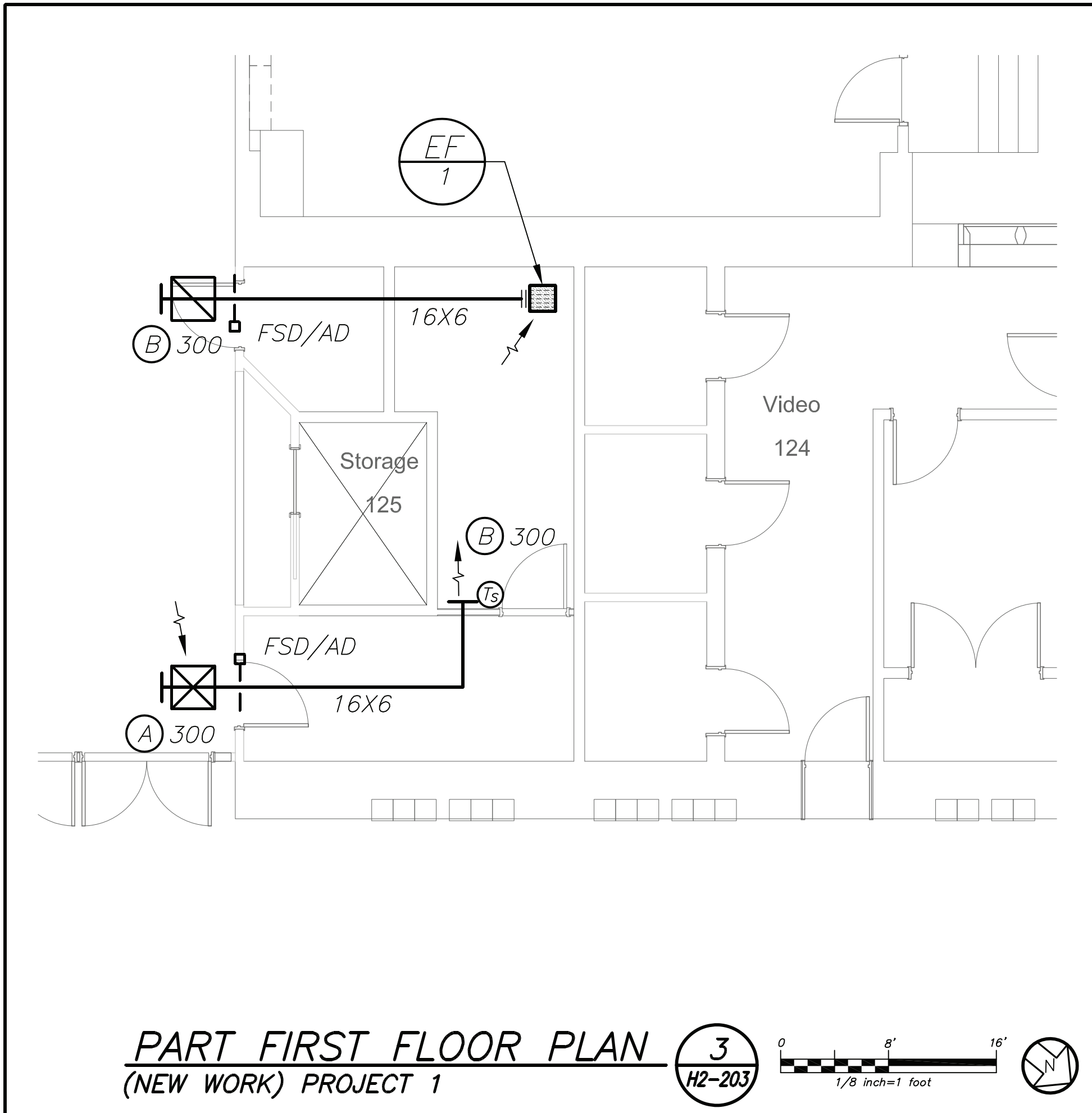
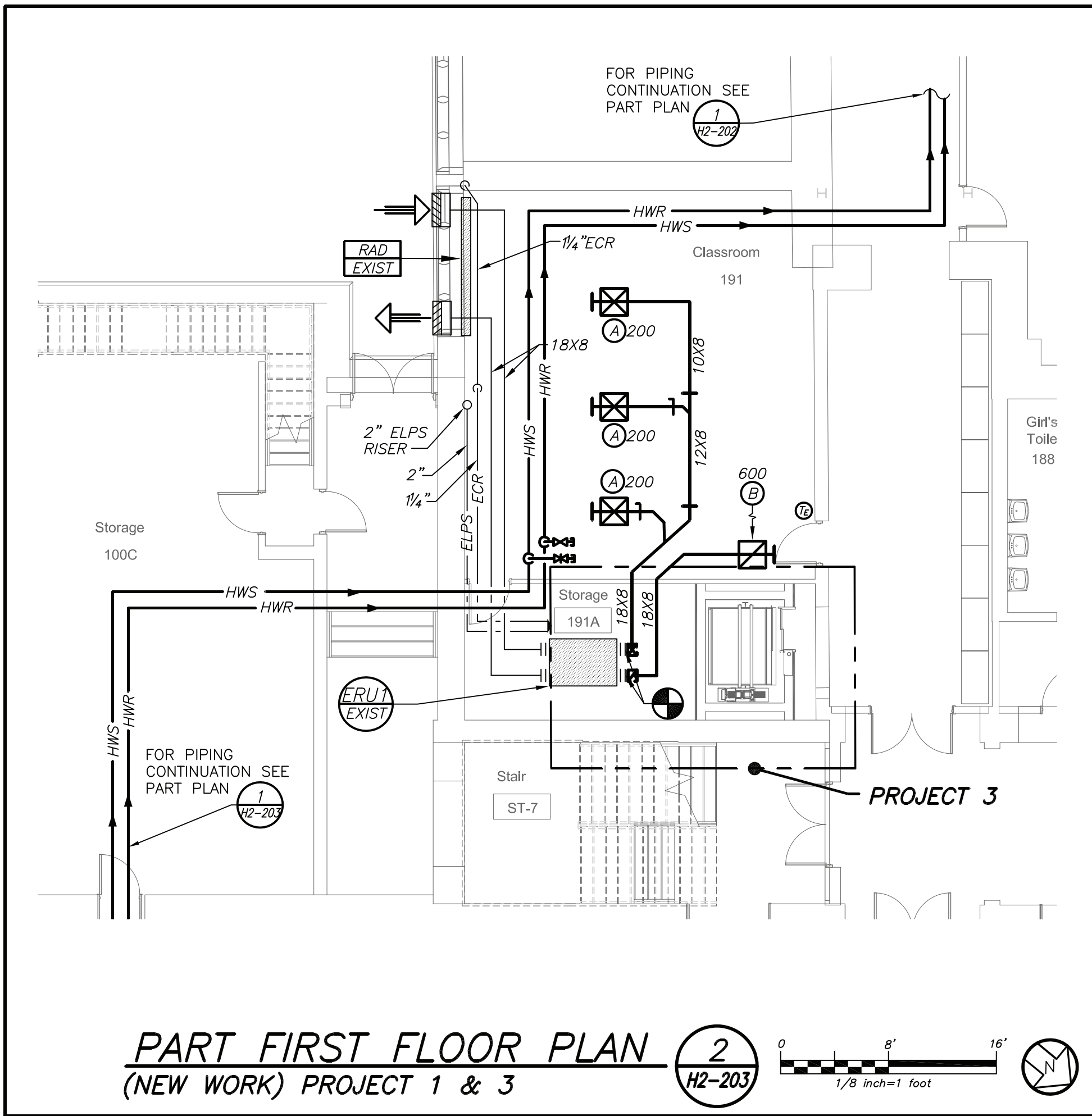
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PROJECT
Rye City School District
555 Theodore Fremd Ave, Rye, NY 10580
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HIGH SCHOOL & MIDDLE SCHOOL
PART FIRST FLOOR PLAN
PROJECT 1

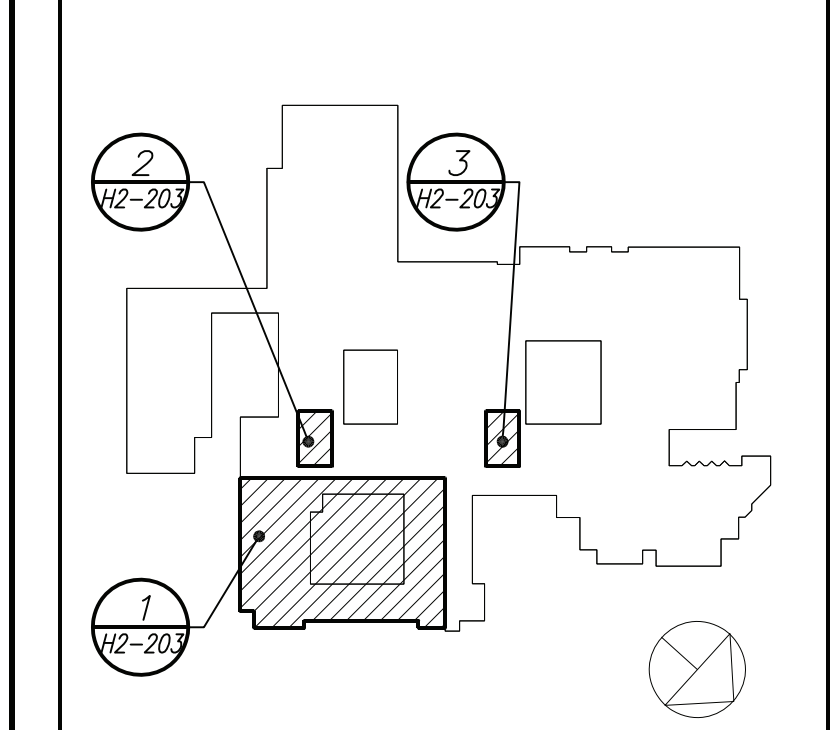
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	11/07/19
	PROJECT No: 9200
	DRAWING BY: BGA
	CHK BY: BGA
	DWG No: H2-202



NOTES: (SEE DRAWING H2-101 FOR ADDITIONAL NOTES)

① WORK IN THIS AREA IS BELOW AUDITORIUM SEATING WITHIN STORAGE AREA.

Revision Schedule		
No.	Description	Date
1	SED Submission	09/15/2020
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914-769-3200

Structural Engineer
ODEH ENGINEERS
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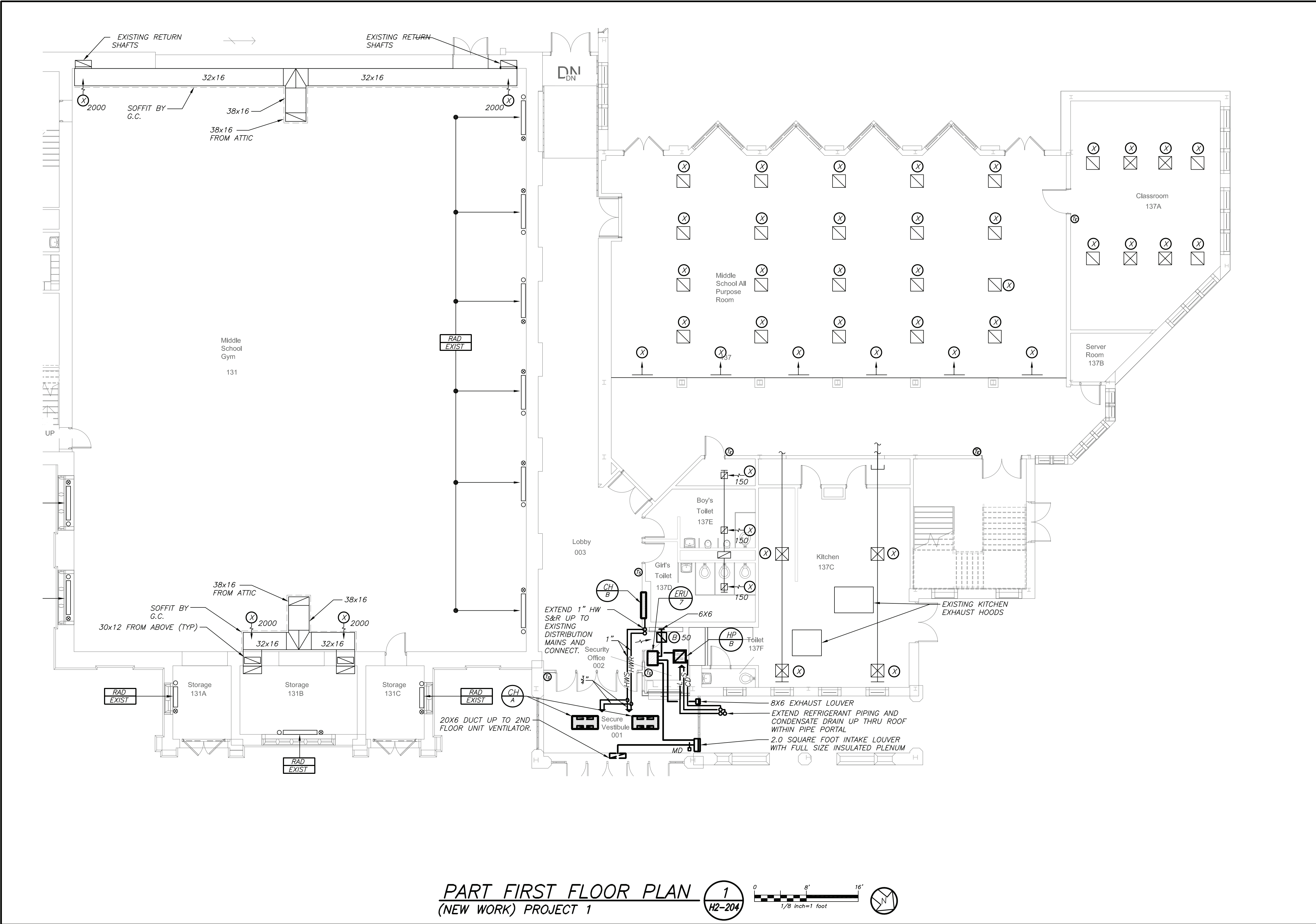
SED #: 6618-0001-0005-032

PROJECT
Rye City School District
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HIGH SCHOOL & MIDDLE SCHOOL
PART FIRST FLOOR PLAN
PROJECT 1 & 3

SEAL & SIGNATURE **DATE:** 11/07/19
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DRAWING BY: BGA
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DWG No: H2-203

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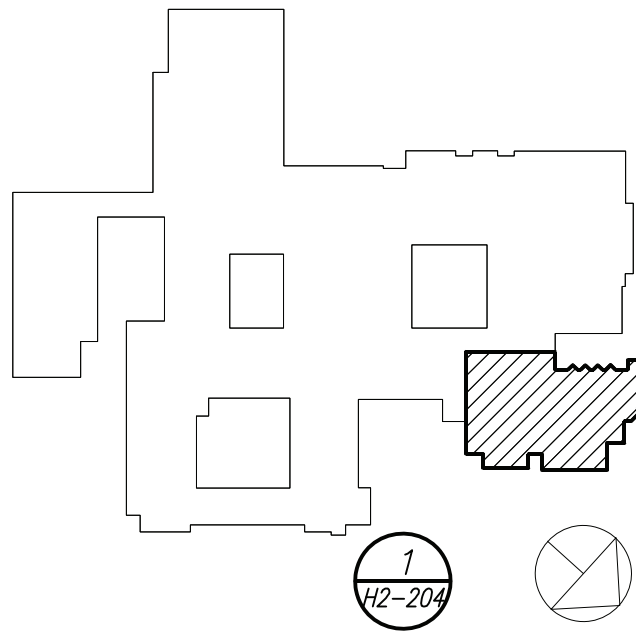


NOTES: (SEE DRAWING H2-101 FOR ADDITIONAL NOTES)

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Revision Schedule		
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Construction Manager
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3 Campus Drive
Pleasantville, NY 10570
914-769-3200

Structural Engineer
ODEH ENGINEERS
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Civil Engineer
WESTON & SAMPSON
1 Winners Circle, Suite 130
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PROJECT

Rye City School District
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Rye High School & Middle School

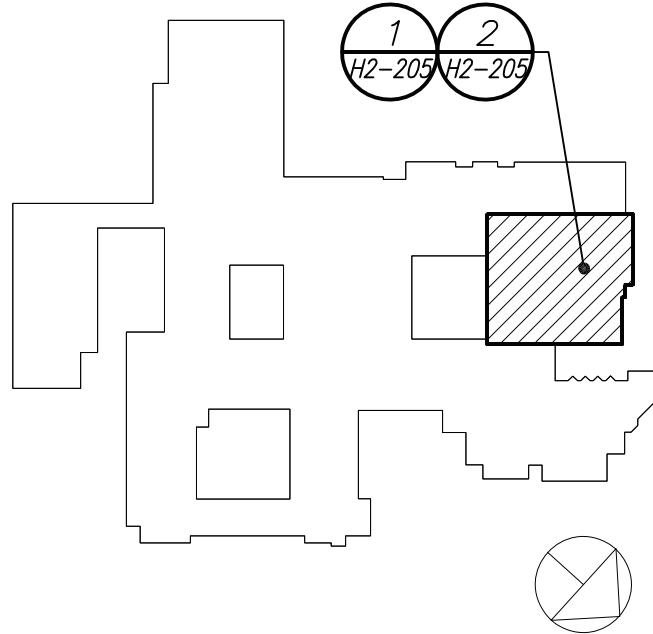
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HIGH SCHOOL & MIDDLE SCHOOL
PART FIRST FLOOR PLAN

PROJECT 1

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Revision Schedule		
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ODEH ENGINEERS
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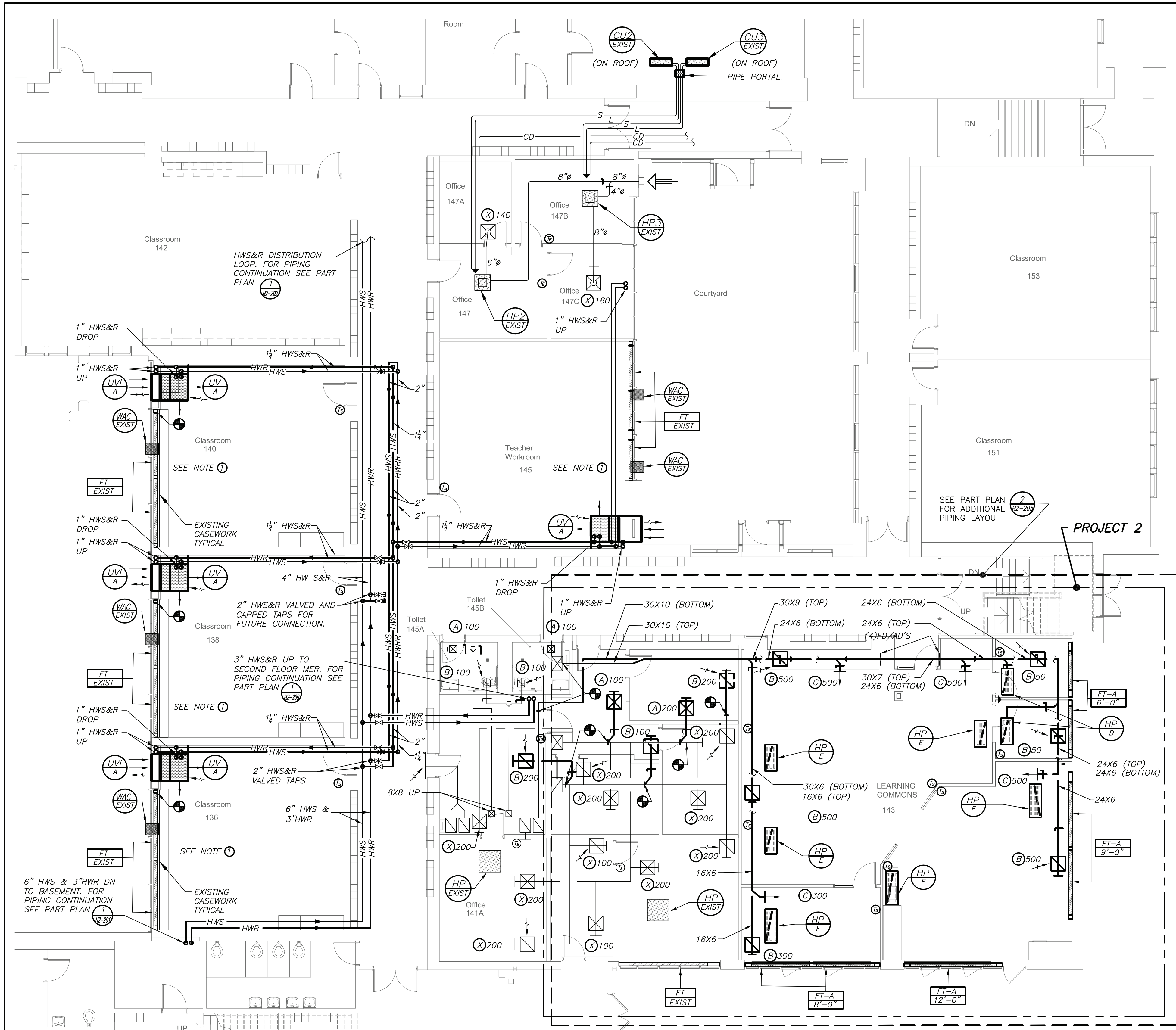
Rye High School & Middle School

1 Parsons Street, Rye, New York 10580

HIGH SCHOOL & MIDDLE SCHOOL
PART FIRST FLOOR PLAN

PROJECT 1 & 2

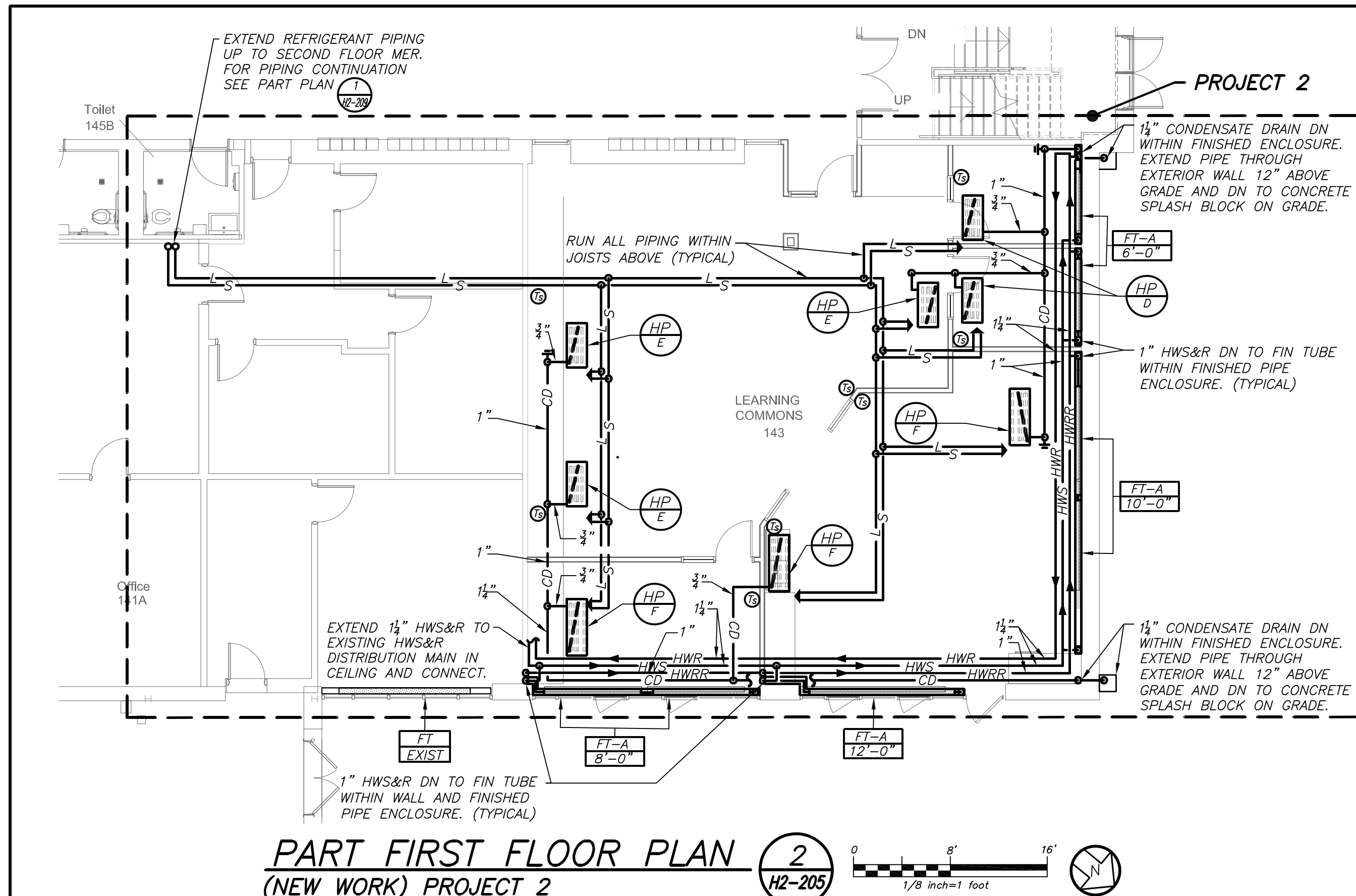
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PART FIRST FLOOR PLAN
(NEW WORK) PROJECT 1 & 2

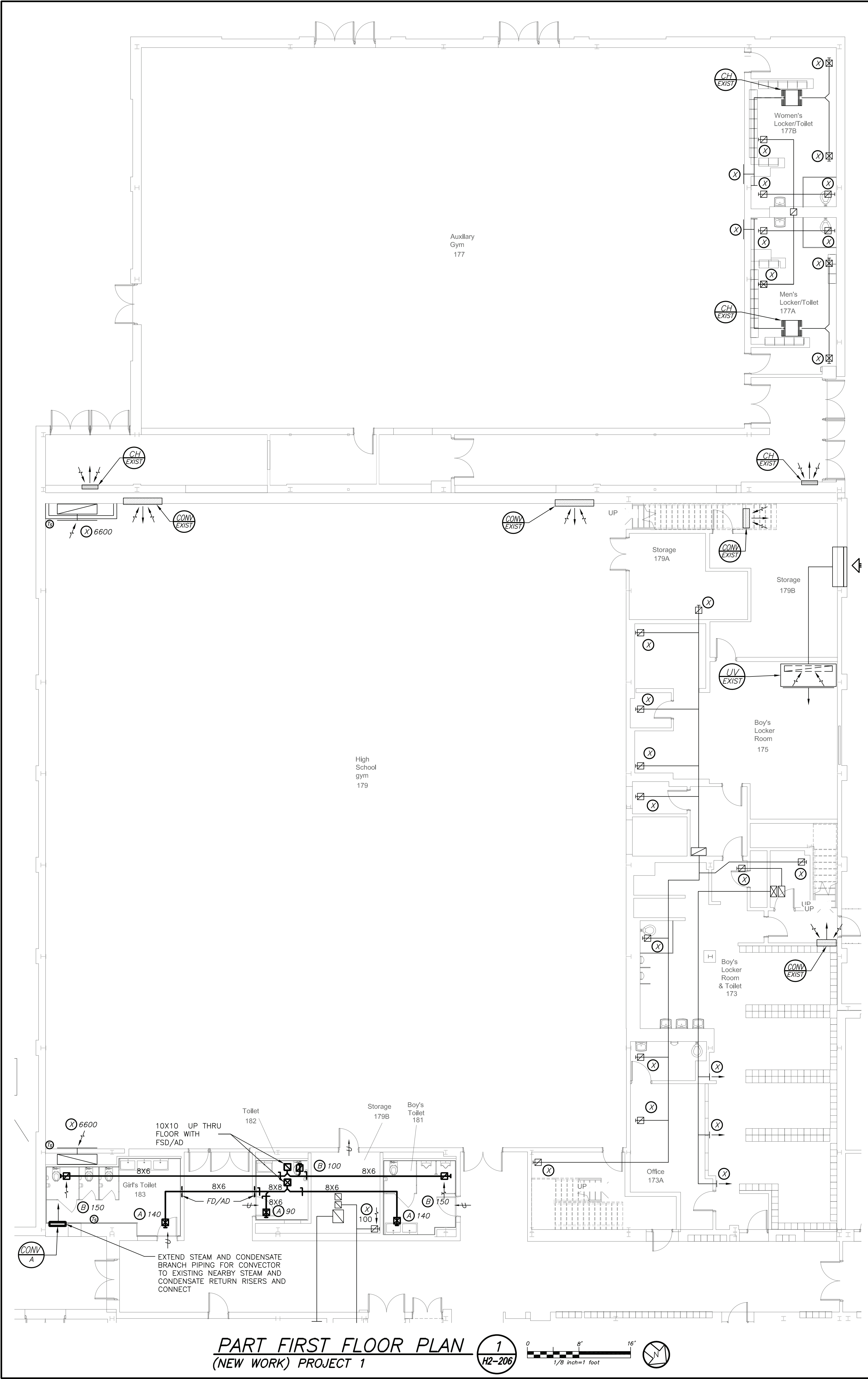
NOTES: (SEE DRAWING H2-101 FOR ADDITIONAL NOTES)

1 GC TO CUT AND MODIFY EXISTING WOOD CASEWORK SECTIONS AND PROVIDE NEW WALL SECTION IN FRONT OF WINDOW TO FACILITATE NEW VERTICAL UNIT VENTILATOR INSTALLATION. HVAC CONTRACTOR SHALL CUT BACK AND MODIFY EXISTING TWO TIER FIN TUBE RADIATION AND REROUTE ASSOCIATED HOT WATER DISTRIBUTION PIPING TO FACILITATE UNIT VENTILATOR INSTALLATION. HVAC CONTRACTOR SHALL REMOVE AND REINSTALL CEILING TILES AND GRID AS NECESSARY TO FACILITATE HOT WATER PIPING INSTALLATION. CONTRACTOR SHALL REPLACE ANY DAMAGED CEILING TILES TO MATCH EXISTING.

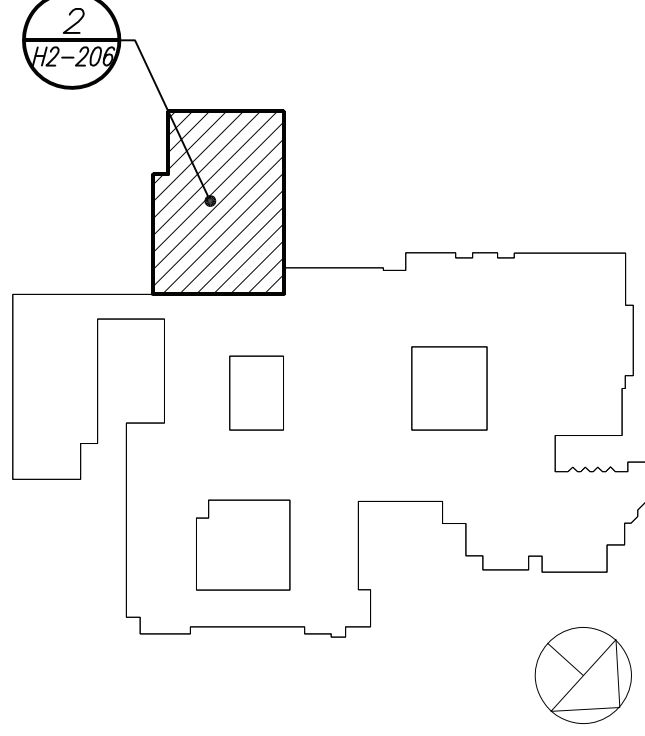


PART FIRST FLOOR PLAN
(NEW WORK) PROJECT 2

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Revision Schedule		
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Construction Manager
SAVIN ENGINEERS, P.C.
3 Campus Drive
Pleasantville, NY 10570
914-769-3200

Structural Engineer
ODEH ENGINEERS
1223 Mineral Spring Ave
North Providence, RI 02904
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Civil Engineer
WESTON & SAMPSON
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PROJECT

Rye City School District
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Rye High School & Middle
School

1 Parsons Street, Rye, New York 10580

HIGH SCHOOL & MIDDLE
SCHOOL
PART FIRST FLOOR PLAN

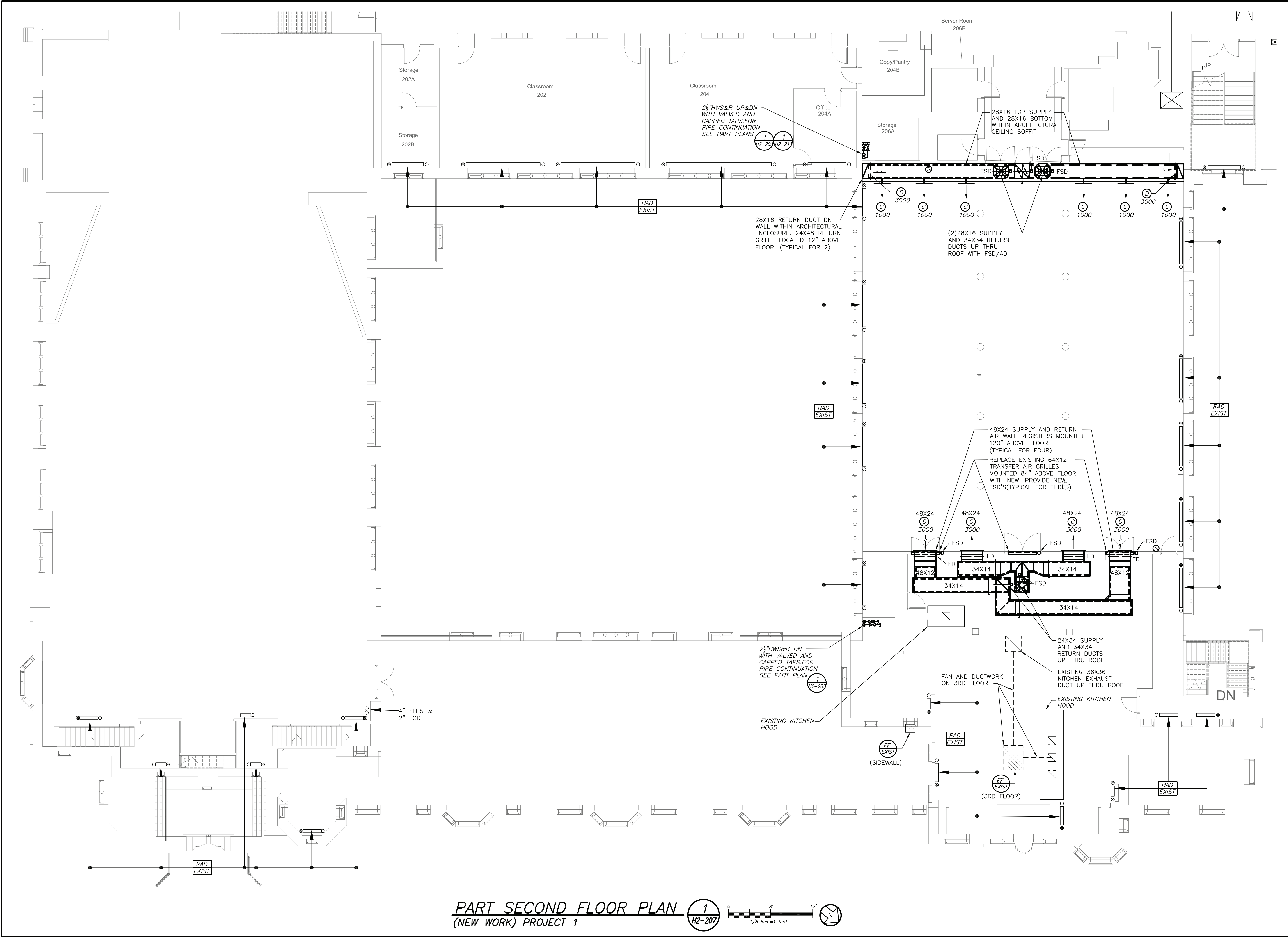
PROJECT 1

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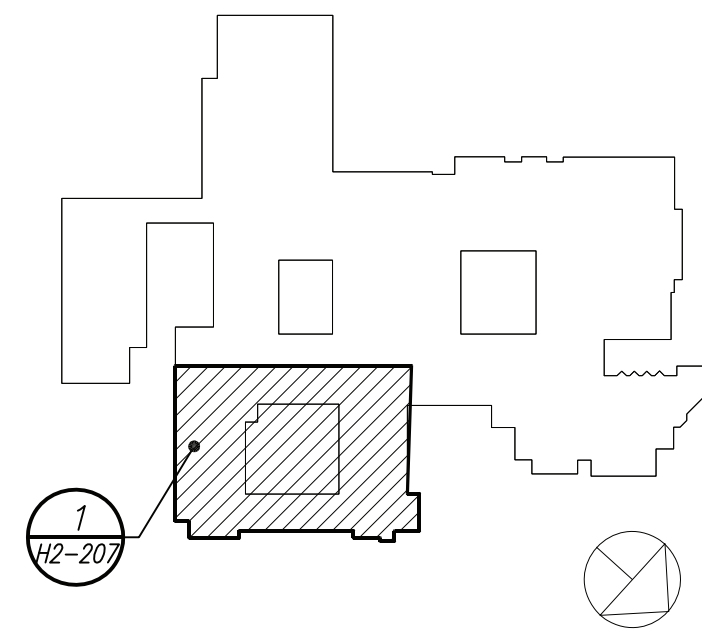
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NOTES: (SEE DRAWING H2-101 FOR ADDITIONAL NOTES)



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71 Old Post Road
P.O. Box 1020
Southport, CT 06890
(203) 256-8700

Fielding International
Transforming Education by Design
259 Water Street Suite 1L
Warren, RI 02885 USA
+1 401-289-2789

bga
BARILE GALLAGHER & ASSOCIATES
CONSULTING ENGINEERS
39 MARBLE AVENUE, PLEASANTVILLE, NY 10570
914.328.6000 GENERAL@BGA-ENG.COM WWW.BGA-ENG.COM

Construction Manager
SAVIN ENGINEERS, P.C.
3 Campus Drive
Pleasantville, NY 10570
914-769-3200
Structural Engineer
ODEH ENGINEERS
1223 Mineral Spring Ave
North Providence, RI 02904
401-724-1771
Civil Engineer
WESTON & SAMPSON
1 Winners Circle, Suite 130
Albany, NY 12205
518-463-4400
Acoustic Consultant
DP DESIGN
12 Cold Spring Street
Providence, RI
401-861-3218

SED #: 6618-0001-0005-032

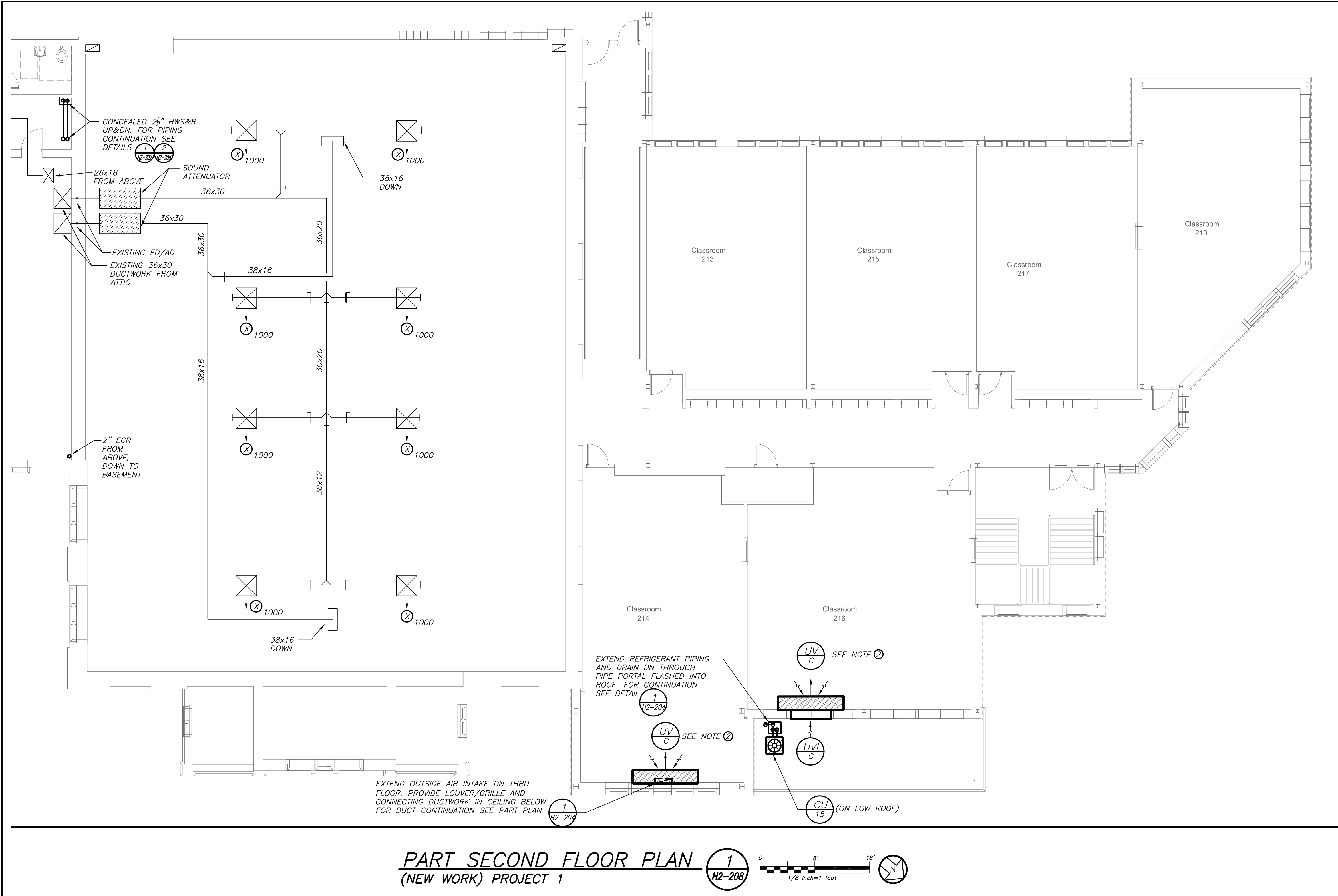
PROJECT
Rye City School District
555 Theodore Fremd Ave, Rye, NY 10580
Rye High School & Middle School
1 Parsons Street, Rye, New York 10580

HIGH SCHOOL & MIDDLE SCHOOL
PART SECOND FLOOR PLAN

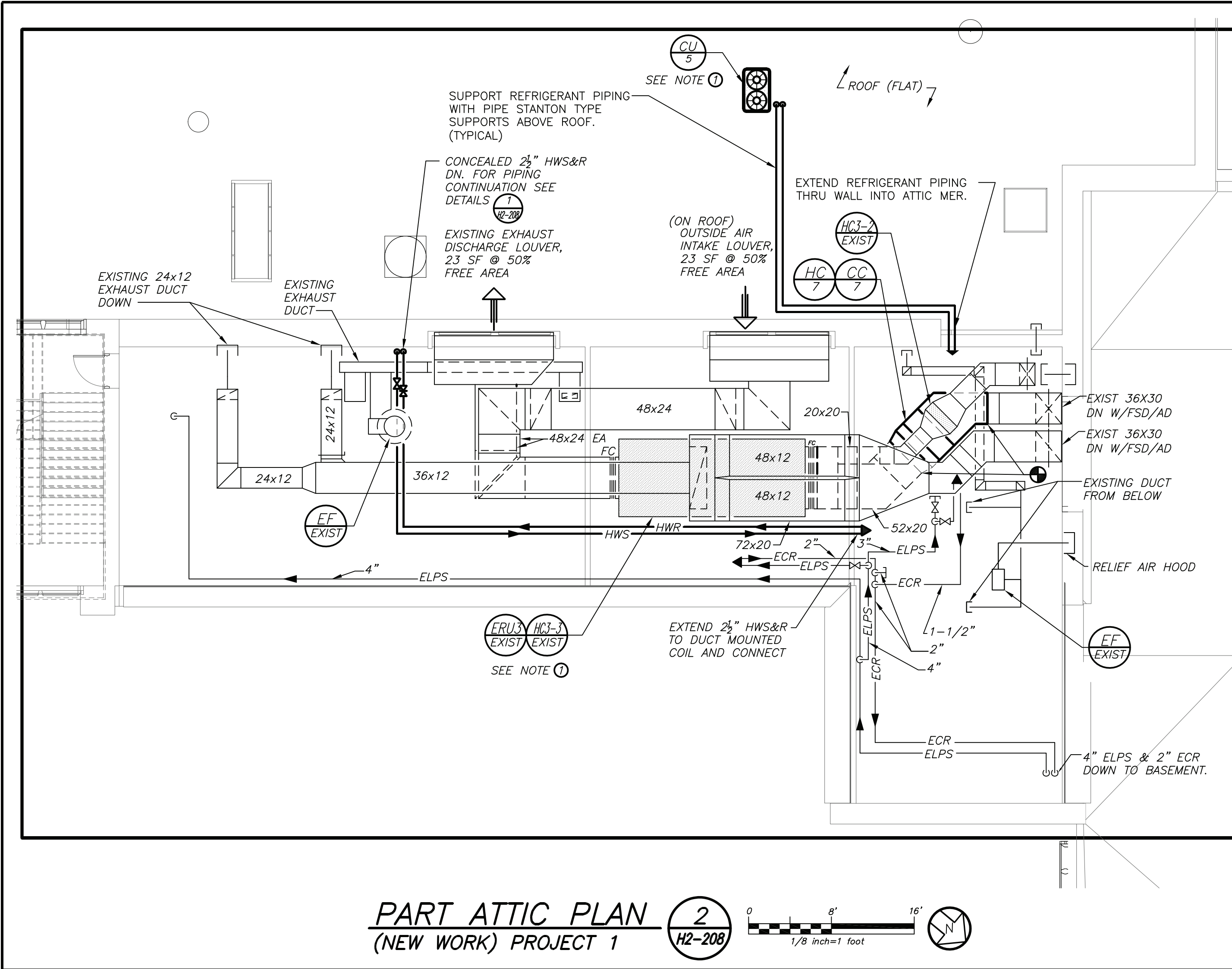
PROJECT 1

SEAL & SIGNATURE DATE: 11/07/19
PROJECT No: 9200
DRAWING BY: BGA
CHK BY: BGA
DWG No: H2-207

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

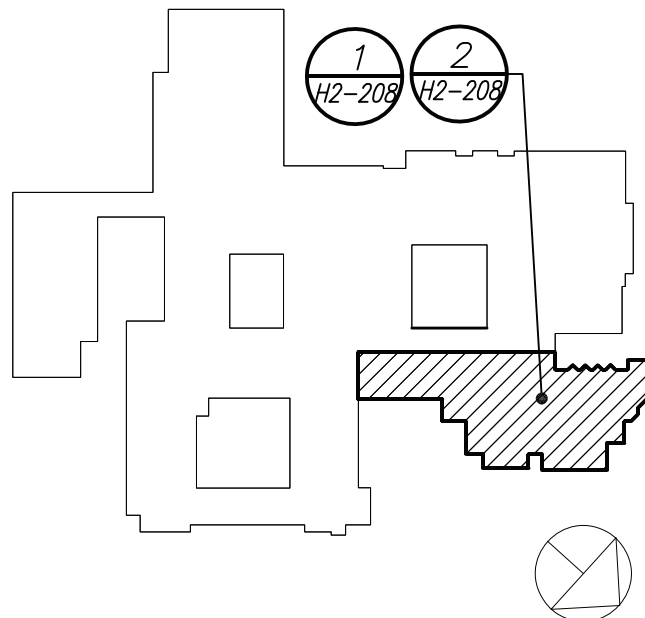


- NOTES: (SEE DRAWING H2-101 FOR ADDITIONAL NOTES)**
- 1 PROVIDE NEW HEATING COLLECTOR, DX COIL SECTION AND VRF CONDENSING UNIT. INSTALL COIL SECTIONS INTO EXISTING DUCTWORK AND CONDENSING UNIT ON ROOF. EXTEND NEW HOT WATER SUPPLY AND RETURN PIPING AND DX COOLING PIPING TO ASSOCIATED COILS AND CONNECT. EXTEND CONDENSATE DRAIN DN TO ROOF WITH CONCRETE SPLASH BLOCK. REFURBISH AND BALANCE EXISTING ERU FANS SERVING THE GYM AND LOCKER ROOMS. THOROUGHLY CLEAN EXISTING UNIT CASING AND EXISTING COILS NOT BEING REPLACED. REPLACE ALL FILTERS. REMOVE AND REPLACE ANY DAMAGED SUPPLY AND RETURN DUCTWORK INSULATION.
 - 2 PROVIDE NEW FLOOR MOUNTED UNIT VENTILATORS AND ASSOCIATED CONNECTING PIPING, DUCTWORK, LOUVERS, SUPPORTS AND WALL SLEEVES. EXTEND DUCTWORK FOR CLASSROOM 214 DN THROUGH FLOOR TO NEW INTAKE WALL LOUVER.



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

Revision Schedule		
No.	Description	Date
1	SED Submission	09/15/2020
2	SED Submission Addendum#1	01/08/2021
3	ISSUED FOR BID	01/19/2021



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Architecture. Planning. Interiors

71 Old Post Road
P.O. Box 1020
Southport, CT 06890
(203) 256-8700



Transforming Education by Design

259 Water Street Suite 1L
Warren, RI 02885 USA
+1 401-289-2789



BARILE GALLAGHER & ASSOCIATES

CONSULTING ENGINEERS
39 MARBLE AVE. PLEASANTVILLE, NY 10570
914.328.6060 GENERAL@BGA-ENG.COM WWW.BGA-ENG.COM

Construction Manager
SAVIN ENGINEERS, P.C.
3 Campus Drive
Pleasantville, NY 10570
914-769-3200

Structural Engineer
ODEH ENGINEERS
1223 Mineral Spring Ave
North Providence, RI 02904
401-724-1771

Civil Engineer
WESTON & SAMPSON
1 Winners Circle, Suite 130
Albany, NY 12205
518-463-4400

Acoustic Consultant
DP DESIGN
12 Cold Spring Street
Providence, RI
401-861-3218

SED #: 6618-0001-0005-032

PROJECT

Rye City School District
555 Theodore Fremd Ave, Rye, NY 10580

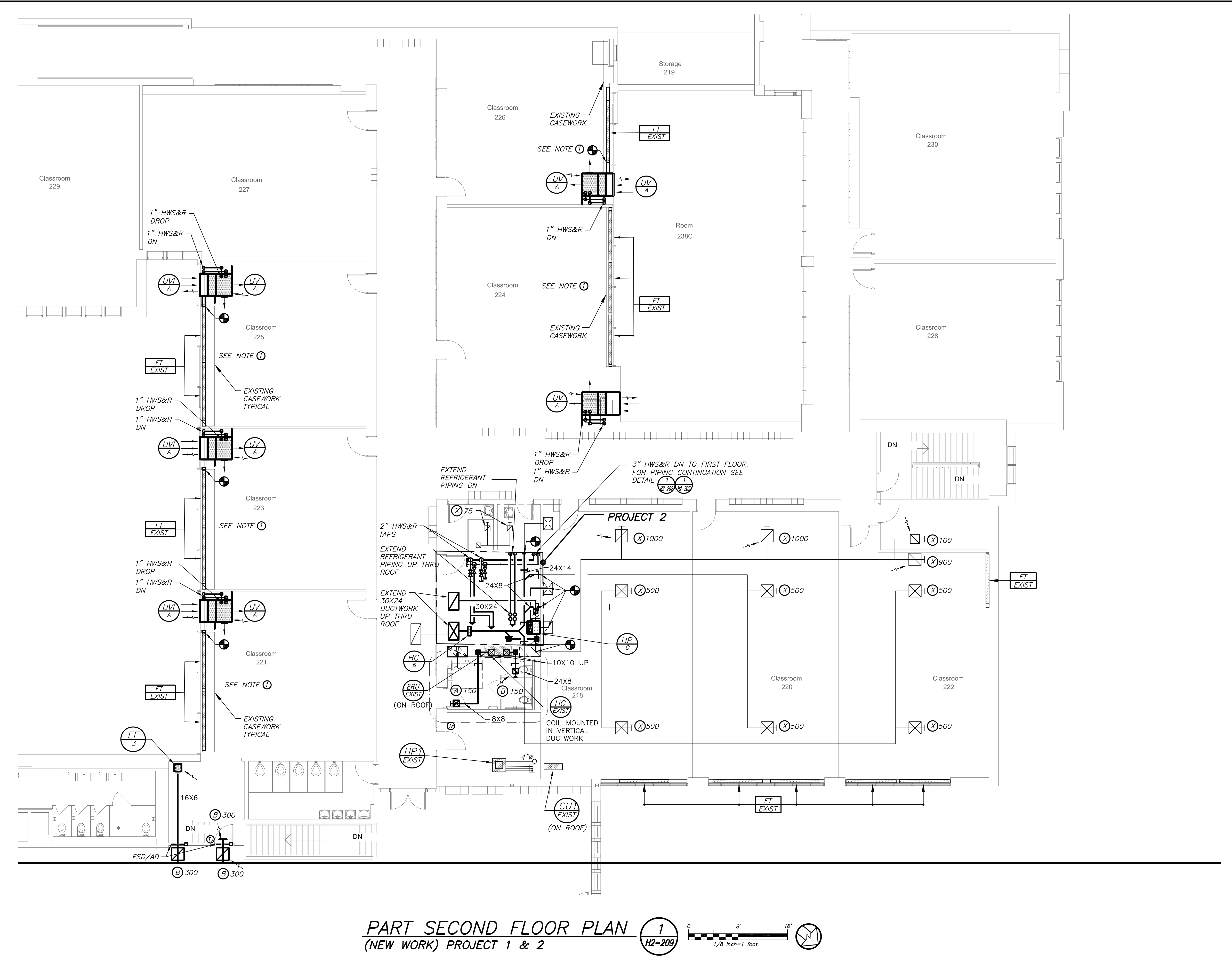
Rye High School & Middle School

1 Parsons Street, Rye, New York 10580

HIGH SCHOOL & MIDDLE SCHOOL
PART SECOND FLOOR AND ATTIC PLAN

PROJECT 1

SEAL & SIGNATURE	DATE: 11/07/19
	PROJECT No: 9200
	DRAWING BY: BGA
	CHK BY: BGA
	DWG No: H2-208



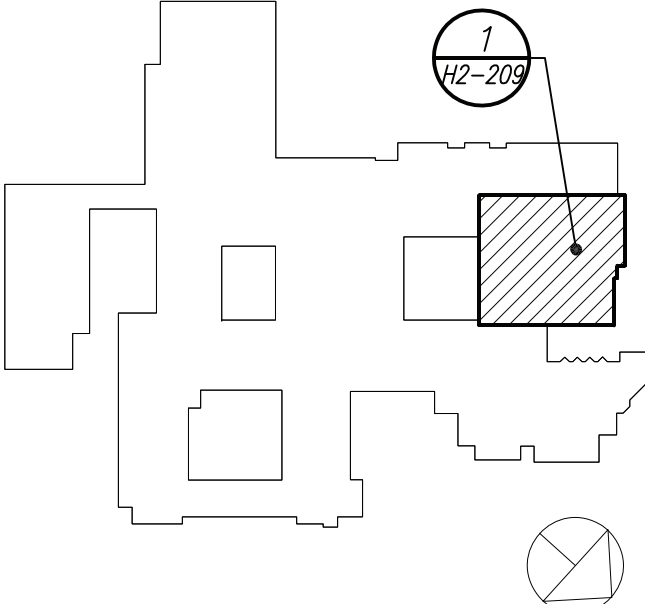
PART SECOND FLOOR PLAN
(NEW WORK) PROJECT 1 & 2

NOTES: (SEE DRAWING H2-101 FOR ADDITIONAL NOTES)

1. CUT AND MODIFY EXISTING WOOD CASEWORK SECTIONS TO FACILITATE NEW VERTICAL UNIT VENTILATOR INSTALLATION. CASEWORK SHALL BE FLUSH WITH SIDE OF UNIT VENTILATOR. CUT BACK AND MODIFY EXISTING TWO TIER FIN TUBE RADIATION AND REROUTE EXISTING HOT WATER DISTRIBUTION PIPING BELOW FLOOR ACCORDINGLY TO ADJACENT CLASSROOMS FIN TUBE PIPING. PATCH AND SEAL ANY SLAB OR WALL OPENINGS TO MATCH EXISTING CONSTRUCTION.

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

Revision Schedule		
No.	Description	Date
1	SED Submission	09/15/2020
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3	ISSUED FOR BID	01/19/2021



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Architecture. Planning. Interiors

71 Old Post Road
P.O. Box 1020
Southport, CT 06890
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Fielding International

Transforming Education by Design

259 Water Street Suite 1L
Warren, RI 02885 USA
+1 401-289-2789

bga

BARILE GALLAGHER & ASSOCIATES

CONSULTING ENGINEERS
39 MARBLE AVENUE, PLEASANTVILLE, NY 10570
914.328.6000 GENERAL@BGA-ENG.COM WWW.BGA-ENG.COM

Construction Manager
SAVIN ENGINEERS, P.C.
3 Campus Drive
Pleasantville, NY 10570
914-769-3200

Structural Engineer
ODEH ENGINEERS
1223 Mineral Spring Ave
North Providence, RI 02904
401-724-1771

Civil Engineer
WESTON & SAMPSON
1 Winners Circle, Suite 130
Albany, NY 12205
518-463-4400

Acoustic Consultant
DP DESIGN
12 Cold Spring Street
Providence, RI
401-861-3218

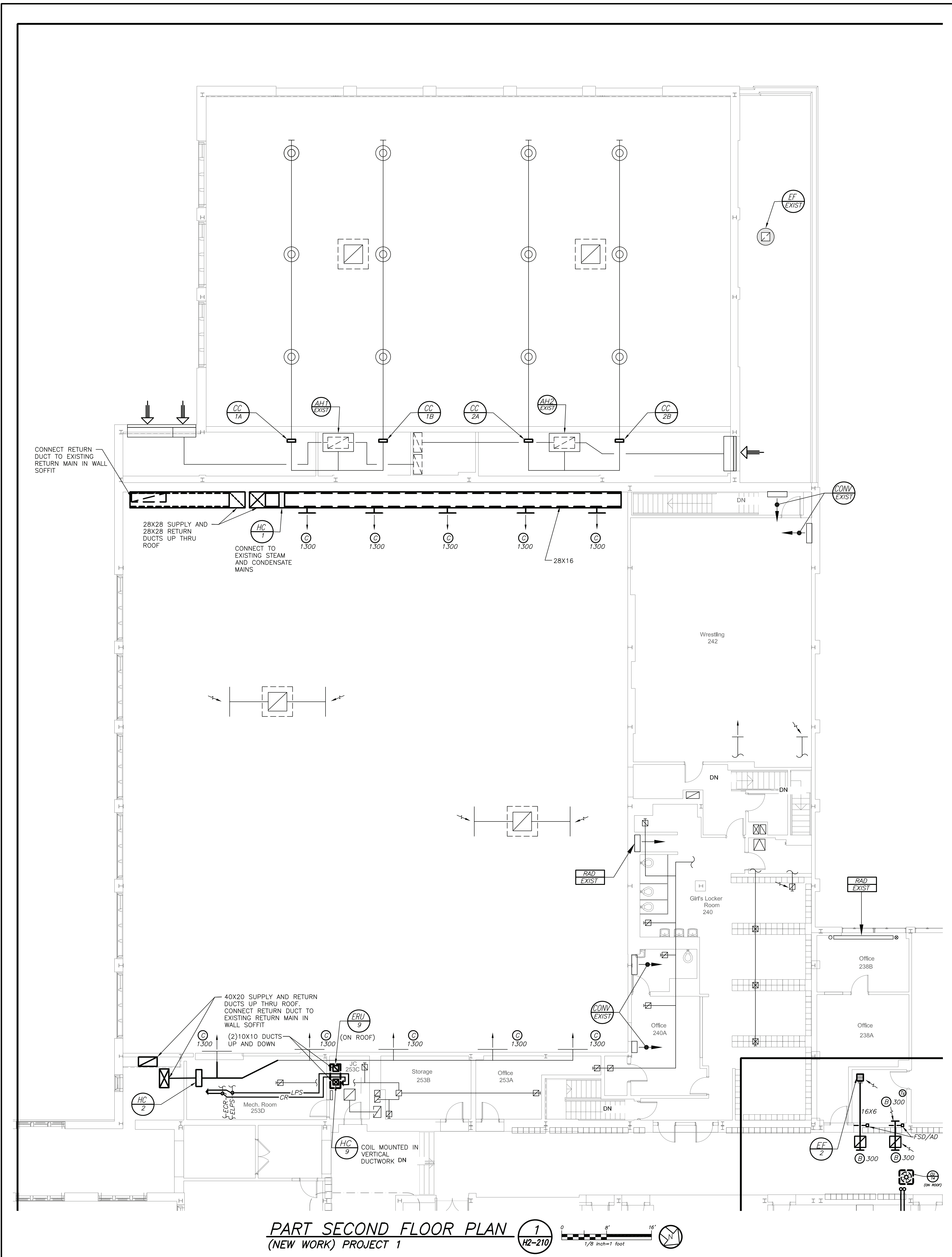
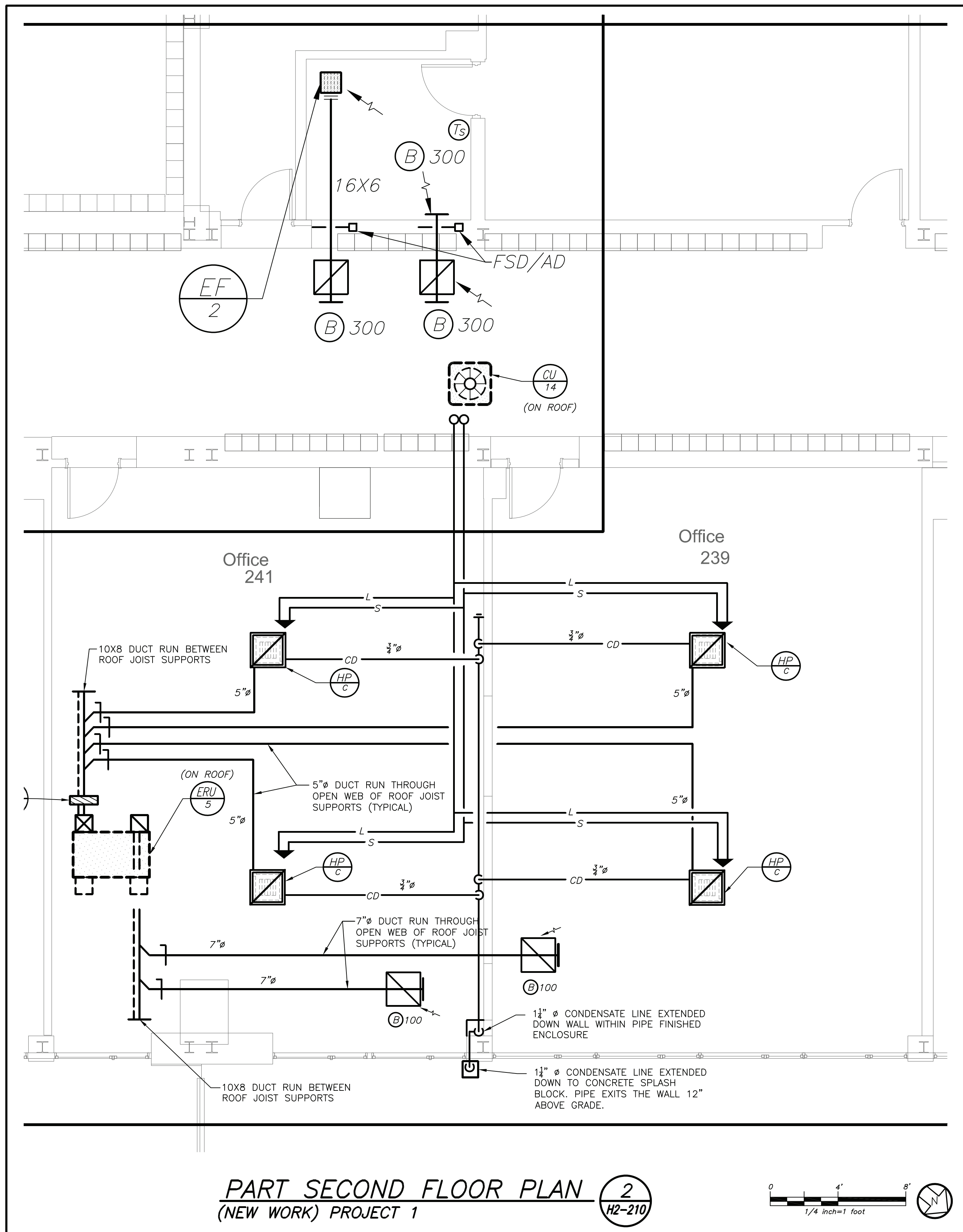
SED #: 6618-0001-0005-032

PROJECT
Rye City School District
555 Theodore Fremd Ave, Rye, NY 10580
Rye High School & Middle School
1 Parsons Street, Rye, New York 10580

HIGH SCHOOL & MIDDLE SCHOOL
PART SECOND FLOOR PLAN

PROJECT 1 & 2

SEAL & SIGNATURE DATE: 11/07/19
PROJECT No: 9200
DRAWING BY: BGA
CHK BY: BGA
DWG No: H2-209



Revision Schedule		
No.	Description	Date
1	SED Submission	09/15/2020
2	SED Submission Addendum#1	01/08/2021
3	ISSUED FOR BID	01/19/2021

Geddis Architects

Architecture. Planning. Interiors

71 Old Post Road
P.O. Box 1020
Southport, CT 06890
(203) 256-8700

Fielding International

Transforming Education by Design

259 Water Street Suite 1L
Warren, RI 02885 USA
+1 401-289-2789

BARILE GALLAGHER & ASSOCIATES

CONSULTING ENGINEERS
39 MARBLE AVENUE, PLEASANTVILLE, NY 10570
914.328.6060 GENERAL@BGA-ENG.COM WWW.BGA-ENG.COM

Construction Manager
SAVIN ENGINEERS, P.C.
3 Campus Drive
Pleasantville, NY 10570
914-769-3200

Structural Engineer
ODEH ENGINEERS
1223 Mineral Spring Ave
North Providence, RI 02904
401-724-1771

Civil Engineer
WESTON & SAMPSON
1 Winners Circle, Suite 130
Albany, NY 12205
518-463-4400

Acoustic Consultant
DP DESIGN
12 Cold Spring Street
Providence, RI
401-861-3218

SED #: 6618-0001-0005-032

PROJECT

Rye City School District
555 Theodore Fremd Ave, Rye, NY 10580

Rye High School & Middle School
1 Parsons Street, Rye, New York 10580

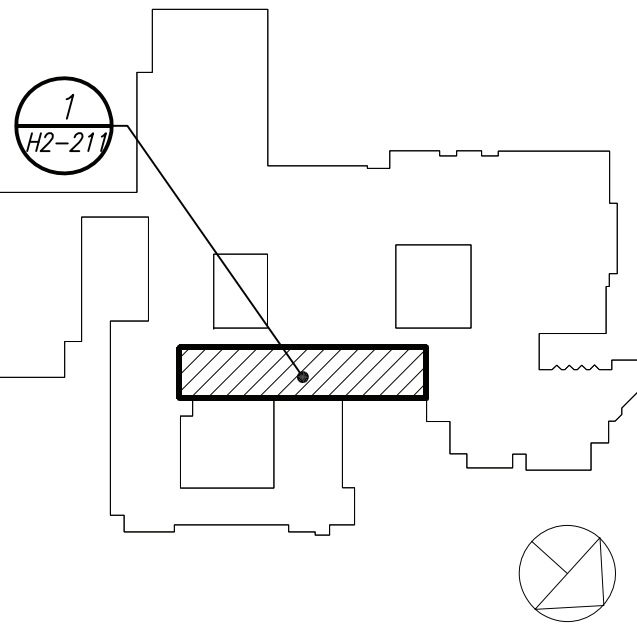
**HIGH SCHOOL & MIDDLE SCHOOL
PART SECOND FLOOR PLAN**

PROJECT 1

SEAL & SIGNATURE	DATE: 11/07/19
	PROJECT No: 9200
	DRAWING BY: BGA
	CHK BY: BGA
	DWG No: H2-210

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

Revision Schedule		
No.	Description	Date
1	SED Submission	09/15/2020
2	SED Submission Addendum#1	01/08/2021
3	ISSUED FOR BID	01/19/2021



Geddis Architects

Architecture. Planning. Interiors

71 Old Post Road
P.O. Box 1020
Southport, CT 06890
(203) 256-8700



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259 Water Street Suite 1L
Warren, RI 02885 USA
+1 401-289-2789



BARILE GALLAGHER & ASSOCIATES

CONSULTING ENGINEERS

39 MARBLE AVENUE, PLEASANTVILLE, NY 10570
914.328.6060 GENERAL@BGA-ENG.COM WWW.BGA-ENG.COM

Construction Manager
SAVIN ENGINEERS, P.C.
3 Campus Drive
Pleasantville, NY 10570
914-769-3200

Structural Engineer
ODEH ENGINEERS
1223 Mineral Spring Ave
North Providence, RI 02904
401-724-1771

Civil Engineer
WESTON & SAMPSON
1 Winners Circle, Suite 130
Albany, NY 12205
518-463-4400

Acoustic Consultant
DP DESIGN
12 Cold Spring Street
Providence, RI
401-861-3218

SED #: 6618-0001-0005-032

PROJECT

Rye City School District

555 Theodore Fremd Ave, Rye, NY 10580

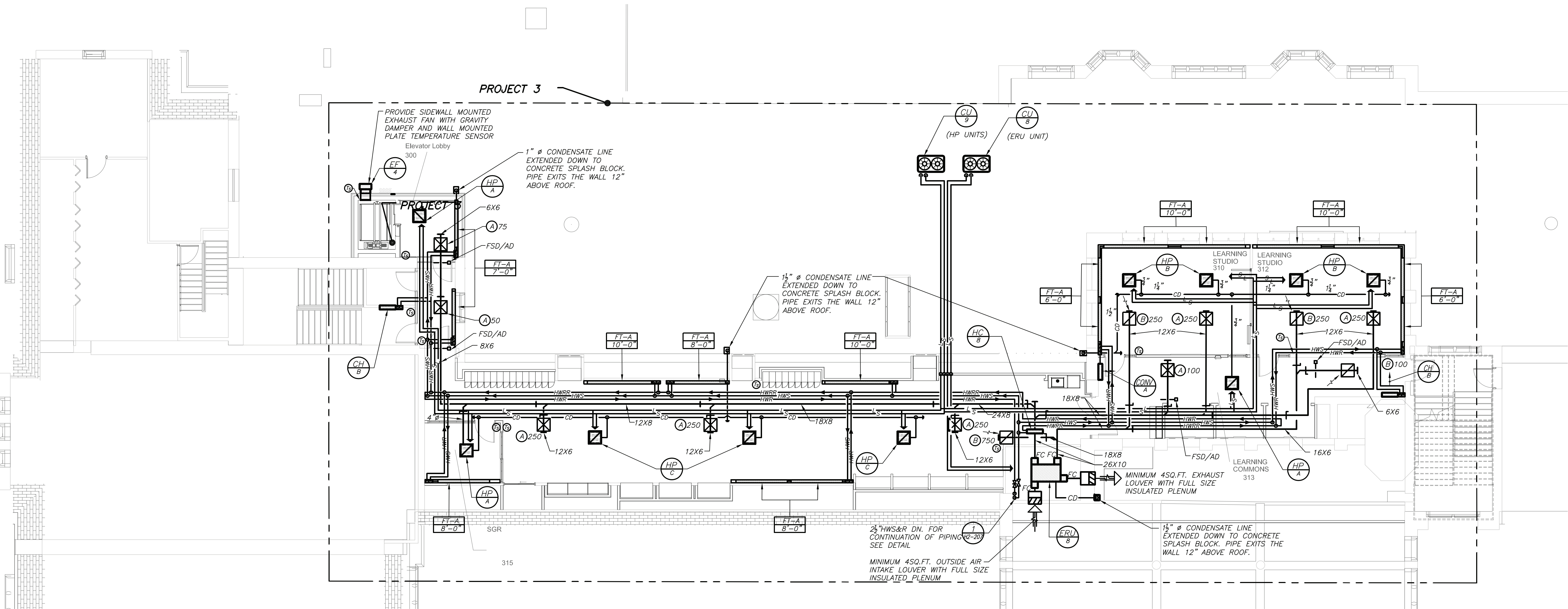
Rye High School & Middle School

1 Parsons Street, Rye, New York 10580

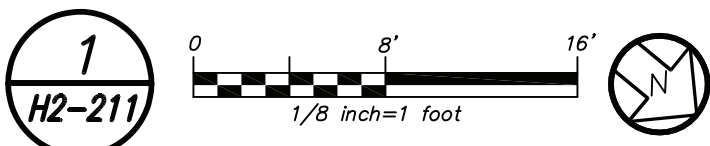
HIGH SCHOOL & MIDDLE SCHOOL
THIRD FLOOR PLAN

PROJECT 3

SEAL & SIGNATURE	DATE:	11/07/19
	PROJECT No:	9200
	DRAWING BY:	BGA
	CHK BY:	BGA
	DWG No:	H2-211



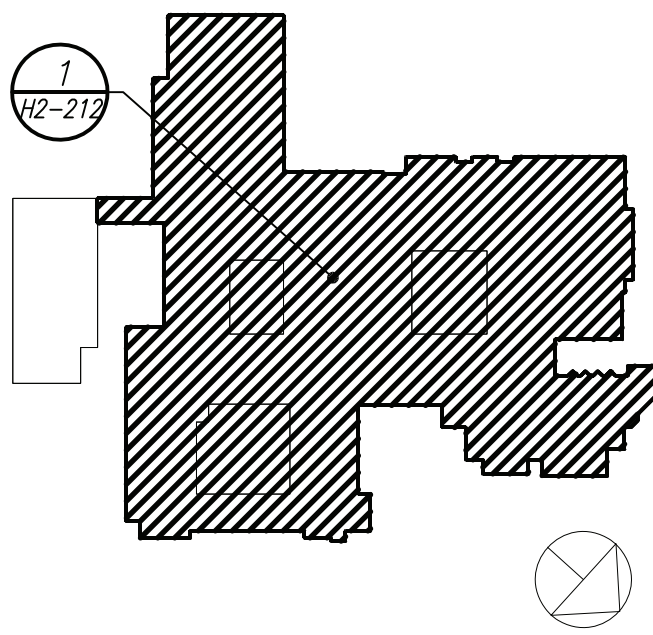
THIRD FLOOR PLAN
(NEW WORK) PROJECT 3



NOTES: (SEE DRAWING H2-101 FOR ADDITIONAL NOTES)

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Revision Schedule		
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Southport, CT 06890
(203) 256-8700



Transforming Education by Design

259 Water Street Suite 1L
Warren, RI 02885 USA
+1 401-289-2789



BARILE GALLAGHER & ASSOCIATES

CONSULTING ENGINEERS

39 MARBLE AVE. PLEASANTVILLE, NY 10570
914.328.6000 GENERAL@BGA-ENG.COM WWW.BGA-ENG.COM

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Structural Engineer
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1223 Mineral Spring Ave
North Providence, RI 02904
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Civil Engineer
WESTON & SAMPSON
1 Winners Circle, Suite 130
Albany, NY 12205
518-463-4400

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Providence, RI
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SED #: 6618-0001-0005-032

PROJECT

Rye City School District

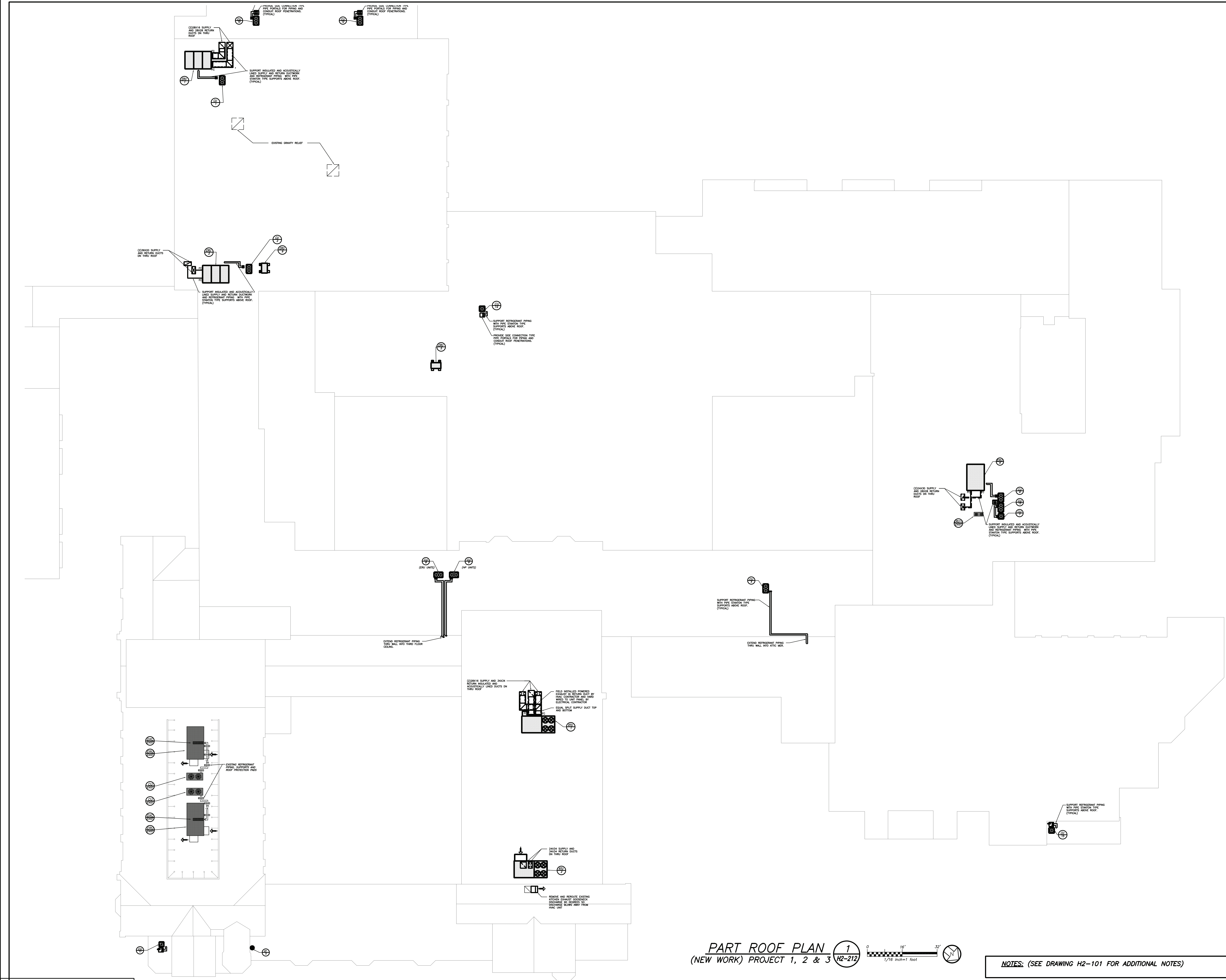
555 Theodore Fremd Ave, Rye, NY 10580

Rye High School & Middle School

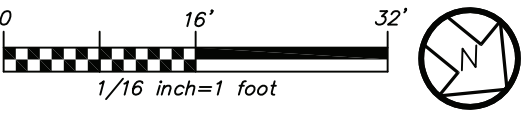
1 Parsons Street, Rye, New York 10580

HIGH SCHOOL & MIDDLE SCHOOL
PART ROOF PLAN
PROJECT 1, 2 & 3

SEAL & SIGNATURE	DATE:	11/07/19
	PROJECT No:	9200
	DRAWING BY:	BGA
	CHK BY:	BGA
	DWG No:	H2-212



PART ROOF PLAN
(NEW WORK) PROJECT 1, 2 & 3 H2-212



NOTES: (SEE DRAWING H2-101 FOR ADDITIONAL NOTES)

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

SCHEDULE OF ENERGY RECOVERY UNITS																																								
GENERAL DATA					SUPPLY FAN DATA				RETURN-EXHAUST FAN				HEAT TRANSFER				COOLING COIL DATA				HEATING COIL DATA				PRE & AFTER-FILTER DATA				ELECTRICAL DATA				ERU DIMENSION & WTS.				GENERAL REMARKS			
MARK	SERVICE	LOCATION	OUTSIDE AIR CFM MAX.	MODEL No.	CFM	EXT. SP. IN W.G.	TYPE	MOTOR HP	CFM MIN/MAX	EXT. SP. IN W.G.	TYPE	MOTOR HP	SIZE	SUMMER DB °F	WINTER DB °F	MOTOR HP	CONDENSING UNIT	TOTAL/SEN MBH	No. OF ROWS	FACE VEL. F.P.M.	ENT. AIR TEMP. D.B./W.B.	MARK	TOT. CAP. MBH	MIN. COIL FACE AREA	ENT. AIR TEMP. °F	LVG. AIR TEMP. °F	G.P.M.	NO.	SIZE	TYPE	MCA	MOCP	ELECTRIC SERVICE	L	W	H		WTS-#		
ERU 1	HS GYM	ROOF	3300/6600	ERP-E-07	6600	2.0	PLENUM	10	3300/6600	2.0	PLENUM	7.5	03	80.1	67.2	53.4	43.0	0.25	SEE PLAN	-	-	-	-	SEE PLAN	360	-	40	90	40	-	-	2" MERV 10 4" MERV 13	32	35	460/3/60	216	93	86	5500	REFER TO 00
ERU 2	HS GYM	ROOF	3300/6600	ERP-E-07	6600	2.0	PLENUM	10	3300/6600	2.0	PLENUM	7.5	03	80.1	67.2	53.4	43.0	0.25	SEE PLAN	-	-	-	-	SEE PLAN	360	-	40	90	40	-	-	2" MERV 10 4" MERV 13	32	35	460/3/60	216	93	86	5500	REFER TO 00
ERU 3	HS CONF. RM TOILET RM.	CEILING	600	U-ERV600	600	2.0	CENTRIFUGAL	-	600	2.0	CENTRIFUGAL	-	-	79.5	66.9	53.4	42.5	-	SEE PLAN	-	-	-	-	SEE PLAN	-	-	-	-	-	2	5"X40"X2"	2" MERV 13	10.6	15	208/1/60	56	34	12	129	REFER TO 00
ERU 4	HS NURSE/OFFICE	CEILING	400	U-ERV600	400	2.0	CENTRIFUGAL	-	325	2.0	CENTRIFUGAL	-	-	78.9	66.1	57.4	45.3	-	SEE PLAN	-	-	-	-	SEE PLAN	-	-	-	-	-	2	5"X40"X2"		10.6	15	208/1/60	56	34	12	129	REFER TO 00
ERU 5	HS OFFICES	ROOF	200	U-ERV600	200	2.0	CENTRIFUGAL	-	200	2.0	CENTRIFUGAL	-	-	77.6	65.1	61.8	48.1	-	SEE PLAN	-	-	-	-	SEE PLAN	-	-	-	-	-	2	5"X40"X2"		10.6	15	208/1/60	56	34	12	129	REFER TO 00
ERU 6	MS CLASSROOMS	ROOF	3300/6600	ERP-E-07	6600	2.0	PLENUM	10	3300/6600	2.0	PLENUM	7.5	03	80.3	67.4	53.3	42.7	0.25	SEE PLAN	-	-	-	-	SEE PLAN	360	-	40	90	40	-	-	2" MERV 10 4" MERV 13	32	35	460/3/60	216	93	86	5500	REFER TO 00
ERU 7	MS SECURITY	CEILING	50	H150-TRG	50	0.75	CENTRIFUGAL	-	50	0.75	CENTRIFUGAL	-	-	77.6	65.1	61.8	48.1	-	SEE PLAN	-	-	-	-	SEE PLAN	-	-	-	-	-	2	-	2" MERV 13	1.5	15	120/1/60	24	22	12	50	REFER TO 00
ERU 8	HS CLASSROOMS	CEILING	1500	U-ERV1800	1500	2.0	CENTRIFUGAL	-	1500	2.0	CENTRIFUGAL	-	-	79.6	66.5	55.3	43.9	-	SEE PLAN	-	-	-	-	SEE PLAN	-	-	-	-	-	6	5"X40"X2"		19.2	25	208/3/60	56	34	36	387	REFER TO 00
ERU 9	HS TOILET RMS	ROOF	400	U-ERV600	400	2.0	CENTRIFUGAL	-	400	2.0	CENTRIFUGAL	-	-	78.9	66.1	57.4	45.3	-	SEE PLAN	-	-	-	-	SEE PLAN	-	-	-	-	-	2	5"X40"X2"		10.6	15	208/1/60	56	34	12	129	REFER TO 00
ERU 10	HS SECURITY	CEILING	50	PE7.1SERV	50	0.75	CENTRIFUGAL	-	50	0.75	CENTRIFUGAL	-	-	77.6	65.1	61.8	48.1	-	SEE PLAN	-	-	-	-	SEE PLAN	-	-	-	-	-	2	5"X40"X2"	2" MERV 13	1.5	15	120/1/60	24	22	12	50	REFER TO 00
ERU 11	MS GYM	MER	11,000	ERV-E-09	11000	2.0	PLENUM	-	11000	2.0	PLENUM	-	-	-	-	-	-	-	SEE PLAN	-	-	-	-	SEE PLAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	REFER TO 00	
NOTES	1 AS MANUFACTURED BY "ANNEXAIR."																																							
	2 AS MANUFACTURED BY "ENERGY WALL."																																							
	3 AS MANUFACTURED BY "GREENTEK."																																							
	4 BASED ON A.R.I. CERTIFIED COIL SELECTIONS.																																							
	5 BASED ON HOT WATER, SUPPLY TEMPERATURE OF 180°F AND RETURN TEMPERATURE OF 140°F.																																							
	1 DESIGN AIR CONDITIONS: SUMMER OA (95F/75F) RA (75F/63F) WINTER OA (8F) RA (70F/23F)																																							
	2 PROVIDE UNIT WITH ENAMELED FINISH, INTEGRAL DX COIL SECTION, EXHAUST/DEFROST CONTROLS WITH INSULATED MOTORIZED OA/EXHAUST DAMPERS, INTAKE LOUVER/EXHAUST HOOD, DAMPER POWER TERMINALS, LOW TEMPERATURE LIMIT CONTROLS, 100% ECONOMIZER CONTROLS, DIRTY FILTER CONTACT, DAMPER END SWITCHES, DISCONNECT SWITCHES, VFD'S, MERV 8 INTAKE AND MERV 13 FINAL FILTERS, DUCT MOUNTED HOT WATER COILS. LOCATE UNITS ON VIBRATION TYPE ROOF CURB SUPPORTS WITH ALL MOUNTING HARDWARE.																																							
	3 PROVIDE UNIT WITH ENAMELED FINISH, INTEGRAL DX COIL, RE-CIRCULATION DEFROST CONTROLS, DUCT MOUNTED MOTORIZED OA/EXHAUST DAMPERS, LOW TEMPERATURE LIMIT CONTROLS, DIRTY FILTER CONTACT, FIELD MOUNTED DISCONNECT SWITCH, VARIABLE SPEED CONTROL, MERV 13 FILTERS AND DUCT MOUNTED HOT WATER COILS. SUSPEND UNIT FROM STRUCTURE ABOVE. PROVIDE ALL NECESSARY MOUNTING HARDWARE, SUPPORTS AND SPRING VIBRATION ISOLATORS.																																							
	4 PROVIDE UNIT WITH ENAMELED FINISH, DEFROST CONTROLS, DUCT MOUNTED MOTORIZED OA/EXHAUST DAMPERS, MERV 10 FILTER BOX, DIRTY FILTER CONTACT, FIELD MOUNTED DISCONNECT SWITCH, VARIABLE SPEED CONTROL, MERV 13 FILTERS AND DUCT MOUNTED HOT WATER COILS. SUSPEND UNIT FROM STRUCTURE ABOVE. PROVIDE ALL NECESSARY MOUNTING HARDWARE, SUPPORTS AND SPRING VIBRATION ISOLATORS.																																							
	5 PROVIDE FLOOR, WALL OR CEILING MOUNTED CONDENSATE PUMP, LITTLE GIANT MODEL VCL-24ULS, 1/18HP, 120V/1PH/60HZ, 148 WATTS, WITH AUTOMATIC HEAT PUMP SHUT DOWN ON OVERFLOW OR PUMP FAILURE.																																							

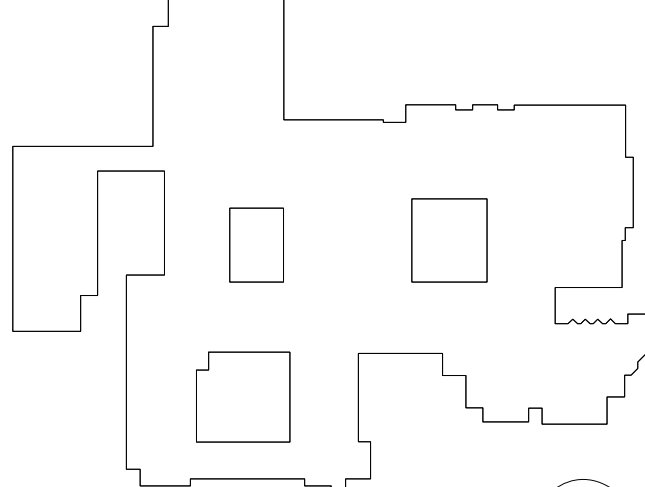
SCHEDULE OF PACKAGED ROOFTOP RTU UNIT																																
GENERAL DATA				FAN DATA				GAS HEATING DATA				COOLING DATA				CONDENSER DATA			COMPRESSOR DATA			FILTER DATA			PHYSICAL DATA			ELECTRICAL DATA				REMARKS
MARK	SERVICE	MODEL NUMBER	OAI CFM MAX./MIN.	CFM	EXT. S.P. IN H ₂ O	FAN RPM	MOTOR HP	INPUT MBH	OUTPUT MBH	ENT. AIR TEMP. DB °F	LVG. AIR TEMP. DB °F	TOTAL CAP. MBH	SENSIBLE CAP. MBH	ENT. AIR TEMP. DB/WB °F	LVG. AIR TEMP. DB/WB °F	REFRIG.	ENT. AIR TEMP. °F	HP	QTY.	R.L.A. (EACH)	L.R.A. (EACH)	QTY.	SIZE (IN.)	TYPE	WEIGHT (LBS.)	LxWxH (IN.)	FLA	MCA	MOP	SERVICE		
RTU 1	CAFETERIA	ZWT15S30L2TCE44PA3	6000 2200	6000	1.6	1149	(1)5.0	300	240	60	97	188	136	80/67	58/57	R410A	95	(4)1/3	—	—	—	2 4	20X24X4 24X24X4	MERV 8 MERV 13	2,999	181X92X53	—	87	100	230/3/60	REFER TO 00	
RTU 2	CAFETERIA	ZWT15S30L2TCE44PA3	6000 2200	6000	1.6	1149	(1)5.0	300	240	60	97	188	136	80/67	58/57	R410A	95	(4)1/3	—	—	—	2 4	20X24X4 24X24X4	MERV 8 MERV 13	2,999	181X92X53	—	87	100	230/3/60	REFER TO 00	
NOTES	① AS MANUFACTURED BY "TEMPMASTER".																															
	② INSTALL IN ACCORDANCE WITH MANUFACTURER'S DIRECTIONS.																															
	③ DESIGN AIR CONDITIONS: SUMMER: OA (94°F/75°F) RA (77°F/65°F); WINTER: OA (5°F/37°F) RA (70°F/55°F).																															
	④ BASED ON A.R.I. CERTIFIED COIL SELECTIONS; REFRIGERANT R-410A, EER 12.2.																															
	⑤ PROVIDE ROOFTOP UNIT WITH FOUR STAGE COOLING, ENAMELED FINISH (COLOR TO BE DETERMINED BY ARCHITECT), MOTORIZED CONTROL DAMPERS, DAMPER END SWITCHES, 100% ENTHALPY ECONOMIZER CONTROLS, FROST PROTECTION, HOT GAS BY-PASS, DIRTY FILTER CONTACTS, BLOWER SHEAVE AND BELT FOR HIGH STATIC USE; DISCONNECT SWITCH, VFD'S, POWERED CONVENIENCE OUTLET, PHASE MONITOR, LOW AMBIENT CONTROLS, 4" THICK MERV 13 PLEATED FILTERS, STAINLESS STEEL GAS FIRED HEATING SECTION, STAINLESS STEEL DRAIN PAN, HINGED ACCESS PANELS, GAS PIPING KIT WITH VALVES AND FITTINGS FOR BOTTOM CONNECTION AND BACNET COMPATIBLE AUTOMATED CONTROLS. PROVIDE FIELD INSTALLED FULL ECONOMIZER/POWER EXHAUST, INTAKE AND EXHAUST HOODS AND DUAL ENTHALPY HUMIDITY SENSORS.																															
	⑥ POWERED EXHAUST TO BE FIELD SUPPLIED BY MECHANICAL CONTRACTOR AND WIRED BY ELECTRICAL CONTRACTOR.																															


SCHEDULE OF EXHAUST FANS										
MARK	BUILDING	SERVICE	LOCATION	TYPE	MODEL No. ①	CFM	TOT. S.P. IN H ₂ O	HP AMPS	ELECTRIC SERVICE	REMARKS
EF 1 EF 2 EF 3	HIGH SCHOOL MIDDLE SCHOOL	ELECTRIC ROOM	CEILING	CENTRIFUGAL	SP-A510	300	0.25	— — 1.40	120/1/60	REFER TO ②③
EF 4	HIGH SCHOOL	ELEVATOR SHAFT	WALL	CENTRIFUGAL	CUE-080-VG	300	0.25	1/10 —	120/1/60	REFER TO ②③
EF 5	HIGH SCHOOL	TOILET RM —	ROOF	CENTRIFUGAL	G-095-DGEX-QD	250	0.25	1/8 —	120/1/60	REFER TO ②③
NOTES	① AS MANUFACTURED BY "GREENHECK".					④ PROVIDE FAN WITH VARIABLE SPEED DRIVE ON MOTOR, UL705 RATED, NEMA 3R DISCONNECT SWITCH, GALVANIZED SIDE WALL MOUNTING SUPPORTS, ALUMINUM WALL GRILLE.				
	② INSTALL PER MANUFACTURER'S RECOMMENDATIONS.									
	③ PROVIDE FACTORY MOUNTED SPEED CONTROLLER AND DISCONNECT, ALUMINUM GRILLE, BACKDRAFT DAMPER, VIBRATION ISOLATORS AND MOUNTING HARDWARE.									

SCHEDULE OF DIRECT EXPANSION COILS									
GENERAL DATA			CAPACITY						
MARK	BUILDING	SERVICE	COOLING TOTAL (MBH)	COOLING SENS. (MBH)	CFM	ENT. AIR TEMP. DB/WB	SUCT. TEMP. °F	REMARKS	
CC 1 40	HIGH SCHOOL	CCU 10 2000 AUXILIARY GYM	192	150	4500	78° 65°	45	REFER TO 0000	
CC 2 38	HIGH SCHOOL	CCU 12 2000 AUXILIARY GYM	192	150	4500	78° 65°	45	REFER TO 0000	
CC 3 40	MIDDLE SCHOOL	CCU 15 2000 MS GYM	233	199	8000	78° 65°	45	REFER TO 0000	

SCHEDULE OF REGISTERS AND DIFFUSERS																	
MARK	TYPE	SERVICE	MODEL No. ①	DIRECTION DISCHARGE	DAMPER TYPE	FINISH	TYPE	REMARKS									
A	CEILING DIFFUSER	SUPPLY	620	DOUBLE DEFLECTION	OPPOSED BLADE	PER ARCH.	SURFACE	REFER TO	②③④								
B	CEILING REGISTER	EXHAUST	735FF	—	OPPOSED BLADE	PER ARCH.	SURFACE	REFER TO	②③⑤								
C	SIDEWALL REGISTER	SUPPLY	620	DOUBLE DEFLECTION	OPPOSED BLADE	PER ARCH.	LAY-IN	REFER TO	②③④								
D	SIDEWALL REGISTER	EXHAUST	735FF	—	OPPOSED BLADE	PER ARCH.	SURFACE	REFER TO	②③⑤								
E	CEILING GRILLE	TRANSFER	735FF	—	OPPOSED BLADE	PER ARCH.	SURFACE	REFER TO	②③⑤								
X	EXISTING REGISTER/GRILLE																
NOTES																	
	① AS MANUFACTURED BY "PRICE".																
	② INSTALL PER MANUFACTURER'S RECOMMENDATIONS.																
	③ PROVIDE MOUNTING FRAME COMPATIBLE W/ MOUNTING SURFACE. COORDINATE ALL BORDER TYPES, COLORS, FINISHES AND DIMENSIONS WITH ARCHITECT.																
			④ SUPPLY NECK SIZE PER CFM RANGE (NOT TO EXCEED 500 fpm)				⑤ RETURN NECK SIZE PER CFM RANGE (NOT TO EXCEED 675 fpm)										
			50	100	300	500	800	1200	1500	50	150	250	400	600	800	1100	1200
			70	70	70	70	70	70	70	70	70	70	70	70	70	70	70
			99	239	499	799	1199	1499	1999	149	249	399	599	799	1099	1199	2399
			6x6	9x9	12x12	15x15	18x18	21x21	24x24	6x6	8x8	10x10	12x12	14x14	16x16	18x18	24x24

Revision Schedule		
No.	Description	Date
1	SED Submission	09/15/2020
2	SED Submission Addendum#1	01/08/2021
3	ISSUED FOR BID	01/19/2021





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71 Old Post Road
P.O. Box 1020
Southport, CT 06890
(203) 256-8700



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259 Water Street Suite 1L
Warren , RI 02885 USA
+1 401-289-2789

SCHEDULE OF EXISTING STEAM BOILERS														
BOILER DATA				BURNER DATA							INDUCED DRAFT FAN DATA		REMARKS	
MARK	SERVICE	MODEL N & Q	NUMBER OF SECTIONS	MODEL N & Q	OUTPUT (BHP)	OUTPUT (MBH/HR)	BOILER EFFICIENCY	FIRING RATE OIL (GPH)	FIRING RATE GAS (MBH)	BURNER MOTOR HP	OIL PUMP MOTOR HP	MODEL N & Q		MOTOR HP
BOILER #1	ORIG. BLDG. & ADDITION	6500 -5-21	21	C7-GO-30	325	846.3	83.7%	92	-	1/2 (208/3/60)	3/4 (208/3/60)	24C300-3	3 (208/3/60)	
BOILER #2														
BOILER #3														

NOTES

①

AS MANUFACTURED BY "H.B. SMITH".

②

AS MANUFACTURED BY "POWERFLAME".

③

AS MANUFACTURED BY "AUBURN".


BARILE GALLAGHER & ASSOCIATES
CONSULTING ENGINEERS
39 MARBLE AVE. PLEASANTVILLE, NY 10570
914.328.6060 GENERAL@BGA-ENG.com www.BGA-ENG.com

		A	B	C	D	E	F	G	H	I	
ROOM NAME/NUMBER	OCCUPANCY CATEGORY	ROOM AREA (SQ.FT.)	PEOPLE DENSITY (#P/1000 SQ.FT.)	PEOPLE OUTDOOR AIR FLOW RATE (CFM/PERSON)	AREA OUTDOOR AIR FLOW RATE IN EXHAUSTING ZONE (CFM/SQ.FT.)	EXHAUST AIR FLOW RATE (CFM/SQ.FT.)	NUMBER OF PEOPLE (A+B)*1000#P	OUTDOOR AIR FLOW RATE WITHOUT ZONE EFFECTIVENESS FACTOR (F*G)+(A+D)=CFM	ZONE AIR DISTRIBUTION EFFECTIVENESS FACTOR	MINIMUM ROOM VENTILATION AIR FLOW RATE G+H=CFM	MINIMUM EXHAUST AIR FLOW RATE A+E=CFM
H203											
CLASSROOM 191	CLASSROOM (AGES 9+)	743	35	10	0.12	0	27	359	0.8	449	0
CONFERENCE ROOM 102	CONFERENCE/MEETING	377	50	5	0.06	0	19	118	0.8	147	0
OFFICE 112	OFFICE SPACE	99	5	5	0.06	0	1	11	0.8	14	0
OFFICE 116	OFFICE SPACE	105	5	5	0.06	0	1	11	0.8	14	0
NURSE 118	OFFICE SPACE	115	5	5	0.06	0	1	12	0.8	15	0
TOILET 118A	TOILETS - PUBLIC	53	2 FIXTURES	-	-	50 CFM/ FIXTURE	-	-	-	-	100
ROOM 143J	BREAK ROOMS	50	50	5	0.12	0	3	21	0.8	26	0
H204											
MIDDLE SCHOOL GYM 131	GYM, SPORTS ARENA (PLAY AREA)	6287	7	20	0.18	0.5	45	2032	0.8	2540	3144
H205											
LEARNING COMMONS 143	MEDIA CENTER	1996	25	10	0.12	0	50	740	0.8	924	0
OFFICE 141A	OFFICE SPACE	253	5	5	0.06	0	2	25	0.8	31	0
CLASSROOM 136	CLASSROOM (AGES 9+)	677	35	10	0.12	0	24	321	0.8	402	0
CLASSROOM 138	CLASSROOM (AGES 9+)	677	35	10	0.12	0	24	321	0.8	402	0
CLASSROOM 140	CLASSROOM (AGES 9+)	677	35	10	0.12	0	24	321	0.8	402	0
TEACHER WORKROOM 145	CLASSROOM (AGES 9+)	756	35	10	0.12	0	27	361	0.8	451	0
H206											
HIGH SCHOOL GYM 179	GYM, SPORTS ARENA (PLAY AREA)	8987	7	20	0.18	0.5	63	2876	0.8	3597	4494
AUXILIARY GYM 177	GYM, SPORTS ARENA (PLAY AREA)	5507	7	20	0.18	0.5	39	1771	0.8	2214	2754
H207											
CAFETERIA	CAFETERIA/FAST-FOOD DINING	4488	100	7.5	0.18	0	449	4175	0.8	5219	0
H209											
CLASSROOM 221	CLASSROOM (AGES 9+)	691	35	10	0.12	0	25	333	0.8	416	0
CLASSROOM 223	CLASSROOM (AGES 9+)	691	35	10	0.12	0	25	333	0.8	416	0
CLASSROOM 225	CLASSROOM (AGES 9+)	691	35	10	0.12	0	25	333	0.8	416	0
CLASSROOM 224	CLASSROOM (AGES 9+)	920	35	10	0.12	0	33	440	0.8	561	0
CLASSROOM 226	CLASSROOM (AGES 9+)	716	35	10	0.12	0	26	346	0.8	432	0
CLASSROOM 218	CLASSROOM (AGES 9+)	1040	35	10	0.12	0	37	495	0.8	619	0
CLASSROOM 220	CLASSROOM (AGES 9+)	1030	35	10	0.12	0	37	494	0.8	617	0
CLASSROOM 222	CLASSROOM (AGES 9+)	908	35	10	0.12	0	32	429	0.8	536	0
H210											
OFFICE 239	OFFICE SPACE	870	5	5	0.06	0	5	77	0.8	97	0
OFFICE 240	OFFICE SPACE	870	5	5	0.06	0	5	77	0.8	97	0
H211											
LEARNING STUDIO 310	CLASSROOM (AGES 9+)	402	35	10	0.12	0	15	198	0.8	248	0
LEARNING STUDIO 312	CLASSROOM (AGES 9+)	402	35	10	0.12	0	15	198	0.8	248	0
LEARNING COMMONS	CLASSROOM (AGES 9+)	2240	35	10	0.12	0	79	1059	0.8	1324	0
SGR 315	CLASSROOM (AGES 9+)	105	35	10	0.12	0	4	53	0.8	66	0
ELEVATOR LOBBY 300	LOBBIES	80	150	5	0.06	0	12	65	0.8	81	0

Construction Manager
SAVIN ENGINEERS, P.C.
3 Campus Drive
Pleasantville, NY 10570
914-769-3200

Structural Engineer
ODEH ENGINEERS
1223 Mineral Spring Ave
North Providence, RI 02904
401-724-1771

Civil Engineer
WESTON & SAMPSON
1 Winners Circle, Suite 130
Albany, NY 12205
518-463-4400

Acoustic Consultant
DP DESIGN
12 Cold Spring Street
Providence, RI
401-861-3218

SED #: 6618-0001-0005-032

PROJECT

Rye City School District
555 Theodore Fremd Ave, Rye, NY 10580

Rye High School & Middle
School

1 Parsons Street, Rye, New York 10580

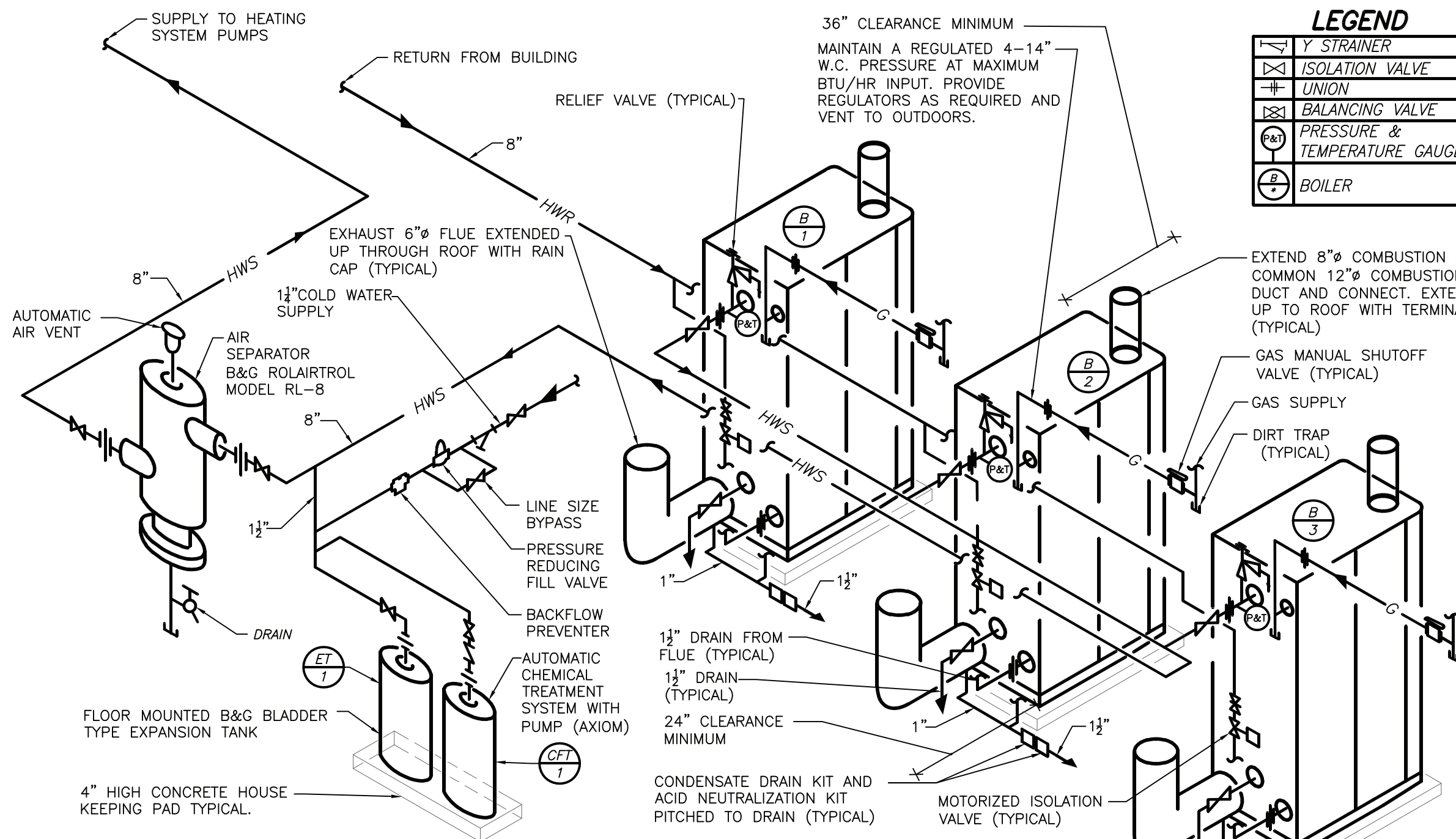
HIGH SCHOOL & MIDDLE SCHOOL SCHEDULE

SEAL & SIGNATURE	DATE:	11/07/19
	PROJECT No:	9200
	DRAWING BY:	BGA
	CHK BY:	BGA
	DWG No:	H2-302

DBE: TAB: Layout1 - Y:\RYE CITY SD\Rye CSD - 2019 Bond - Phase 2 (1937.00)\Drawings\HVAC\193700H-302-MHS.dwg - DATE: Jan 15, 2021 - 3:22pm

NOTES:

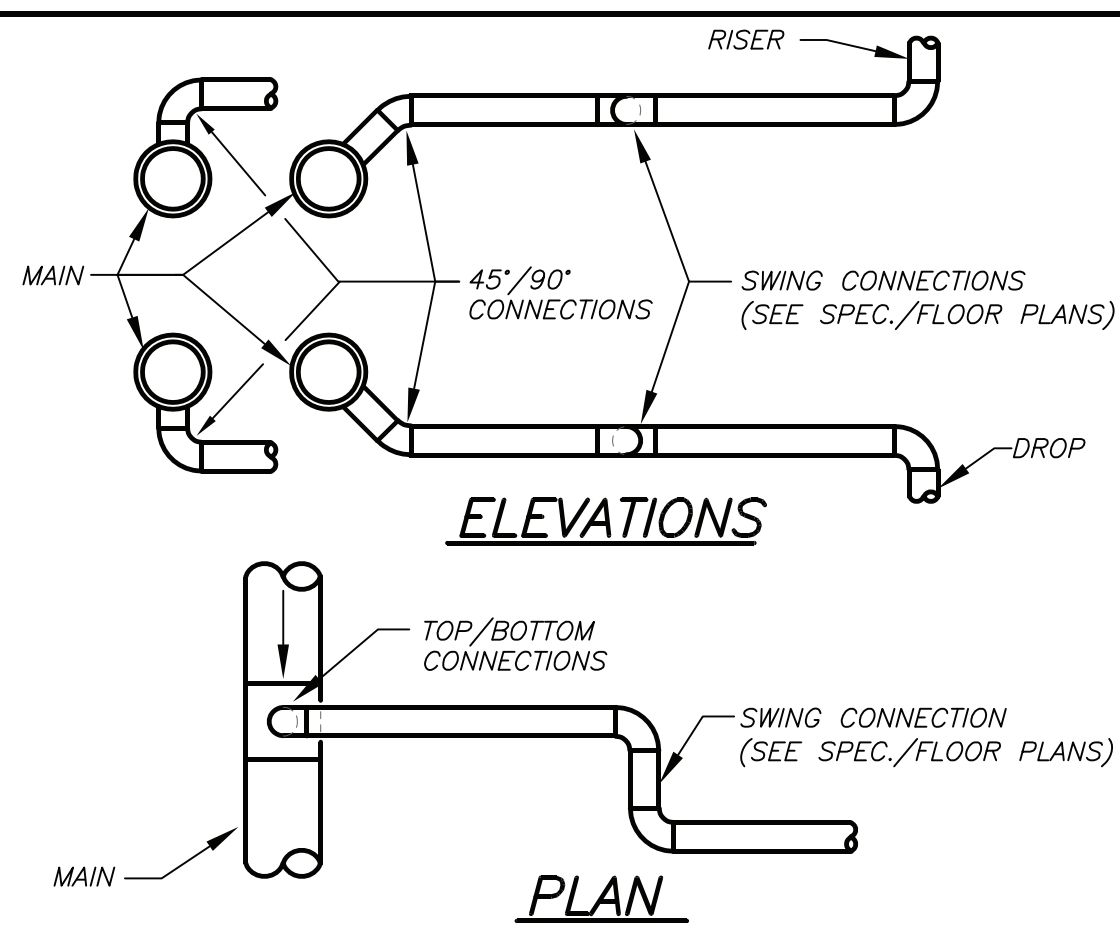
- 1) BOILER DRAIN AND CONDENSATE DRAIN SHALL BE ARRANGED TO PERMIT THE FLUIDS TO DRAIN FREELY, BY GRAVITY, TO FLOOR DRAIN. RELIEF VALVES SHALL BE PIPED VERTICALLY TO A HEIGHT 18" ABOVE FLOOR DRAIN.
- 2) LOCATE WATER INLET AND OUTLET FITTINGS (i.e. UNIONS, ELBOWS, ETC.) A MINIMUM OF 6" FROM BOILER FITTINGS TO PREVENT INTERFERENCE WITH REMOVAL OF BOILER PANELS AND COVERS. ALL PIPING AND ELECTRIC CONNECTIONS (SERVICE SWITCHES, CONDUIT BOXES) SHOULD LIKEWISE BE 6" AWAY FROM SIDE PANELS.
- 3) MAINTAIN A REGULATED 4" W.C. PRESSURE AT MAXIMUM BTU/HR INPUT. PROVIDE REGULATORS AS REQUIRED AND VENT TO OUTDOORS. LOCAL CODES AND AUTHORITIES SHOULD BE CONSULTED.
- 4) PROVIDE (2) LOW WATER CUT OUTS WITH AUTOMATIC AND MANUAL RESETS AND A TEST BUTTON TO VERIFY INDICATOR LIGHT FOR EACH BOILER AND SHALL CONFORM TO NYSOL PART 4 AND NYSOL MPS.
- 5) PROVIDE ALL GALVANIZED PIPING FOR CONDENSATE DRAIN. PROVIDE 1" COLD WATER SUPPLY TO NEUTRALIZATION TANK TO MAINTAIN TRAP SEAL. PROVIDE TWO COMPLETE SETS ON MAGNESIUM OXIDE (ONE SET FOR BOILER START-UP AND OTHER SET FOR FUTURE REPLACEMENT).



BOILER SCHEMATIC PIPING DIAGRAM

5
H401

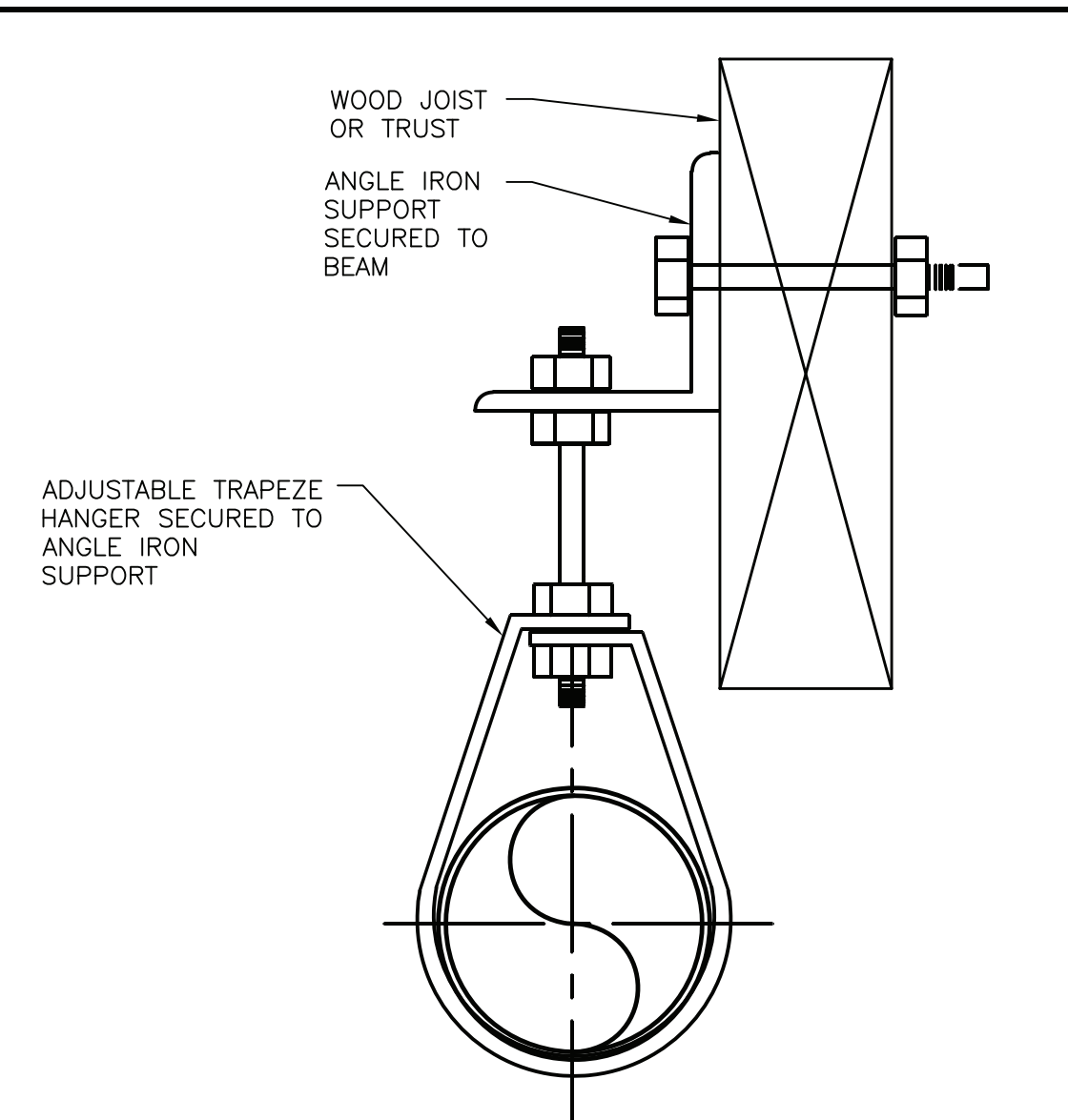
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**DETAIL OF PIPING
BRANCH CONNECTION**

10
H401

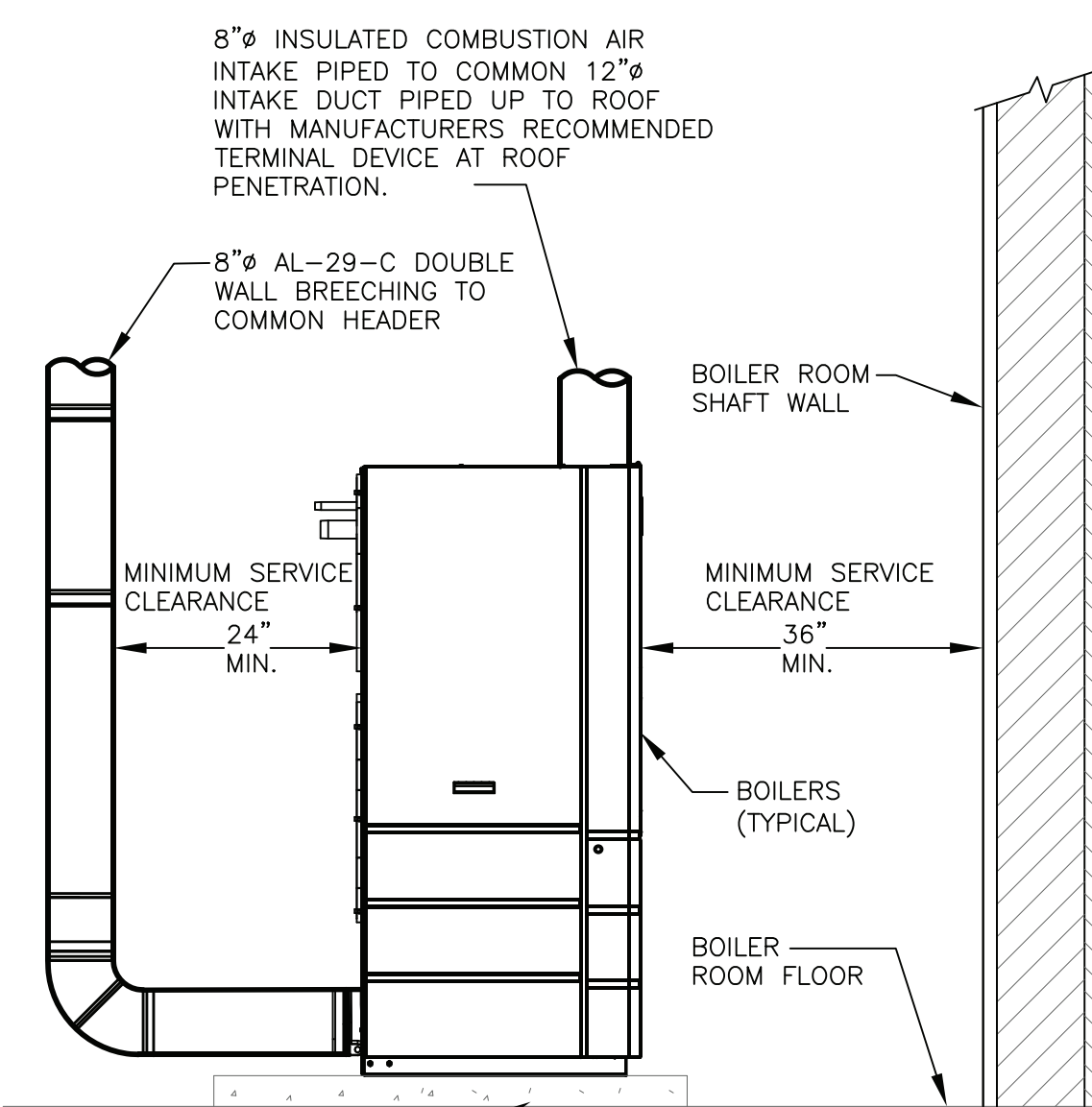
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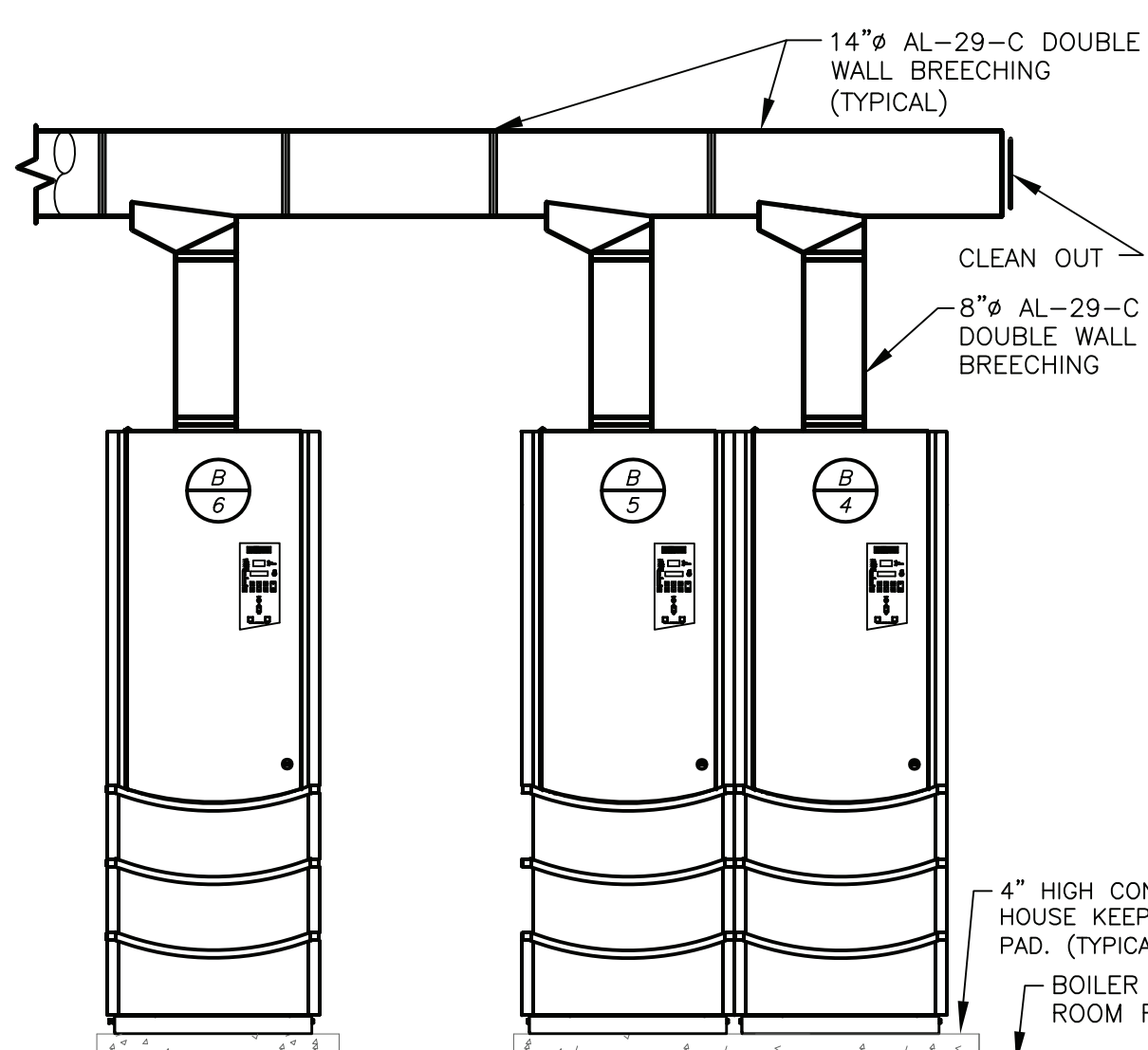
**PIPE HANGER
SUPPORT DETAIL**

11
H401

NO SCALE



SIDE VIEW



FRONT VIEW

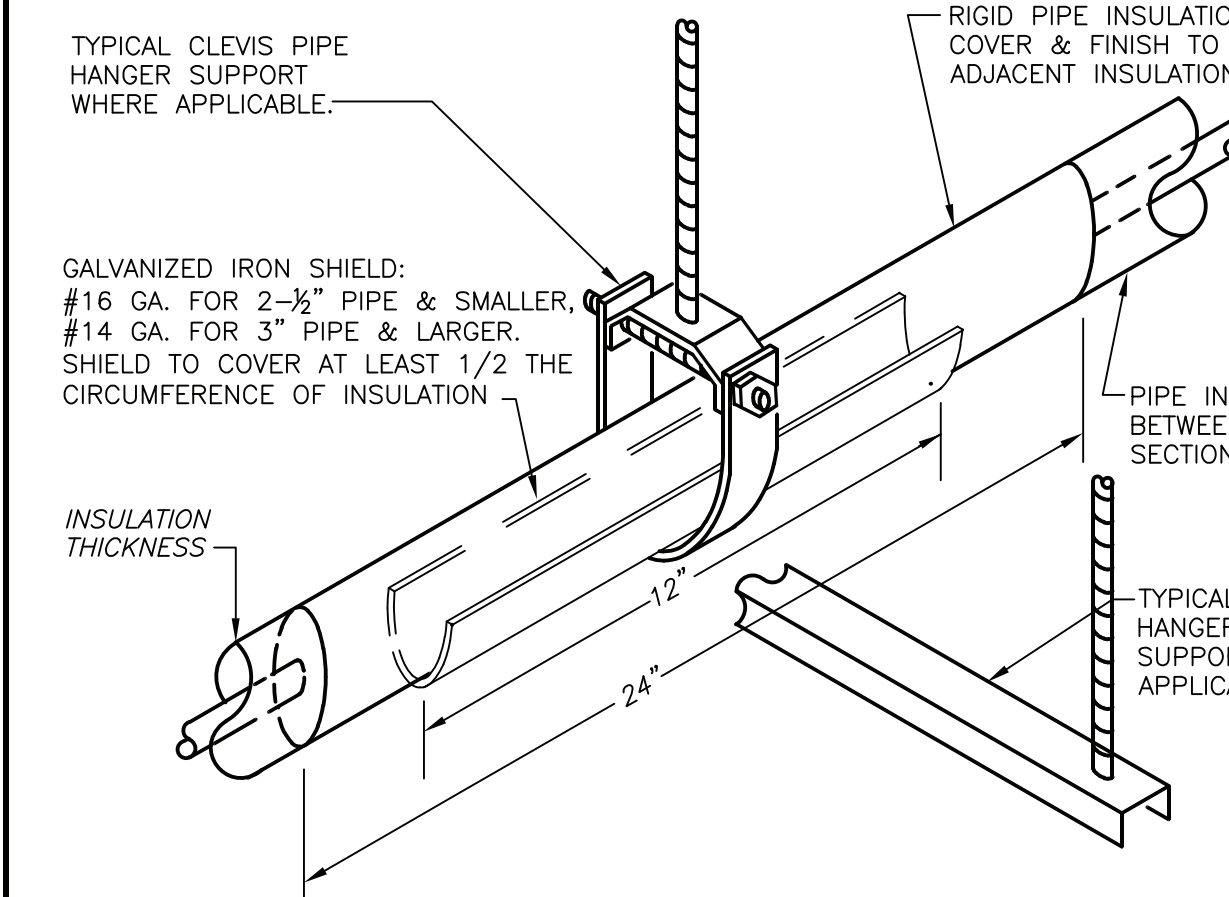
NOTES:

1. ALL BOILER INTAKE AND EXHAUST VENTING INSTALLATIONS MUST MEET MANUFACTURER REQUIREMENTS.
2. PITCH EXHAUST VENT BREACHING BACK TO BOILERS @ 1/4" PER FOOT.

**BOILER EXHAUST VENT
AND COMBUSTION AIR INTAKE**

9
H401

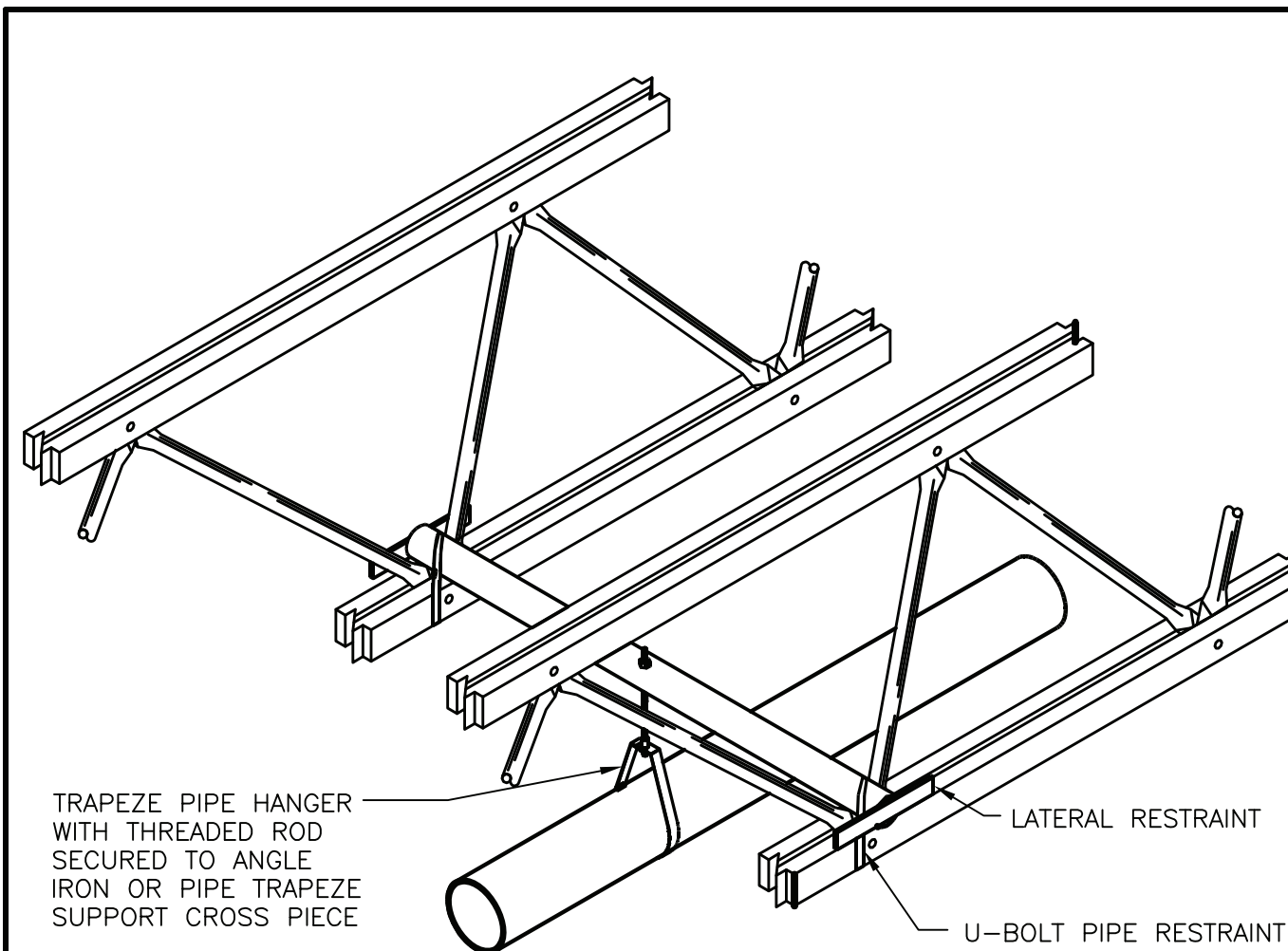
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INSULATED PIPE HANGER DETAIL

6
H401

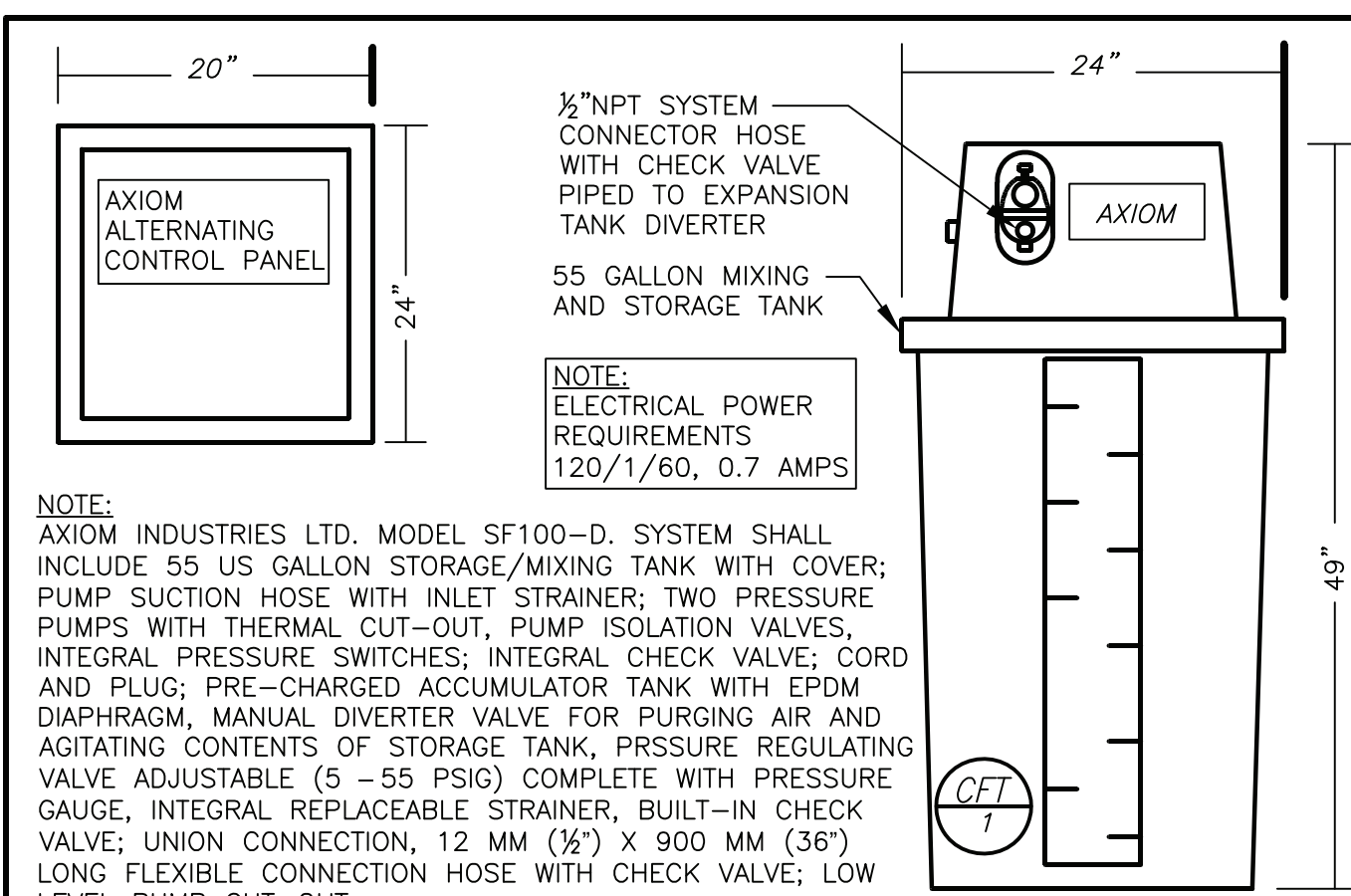
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PIPE HANGER SUPPORT DETAIL

7
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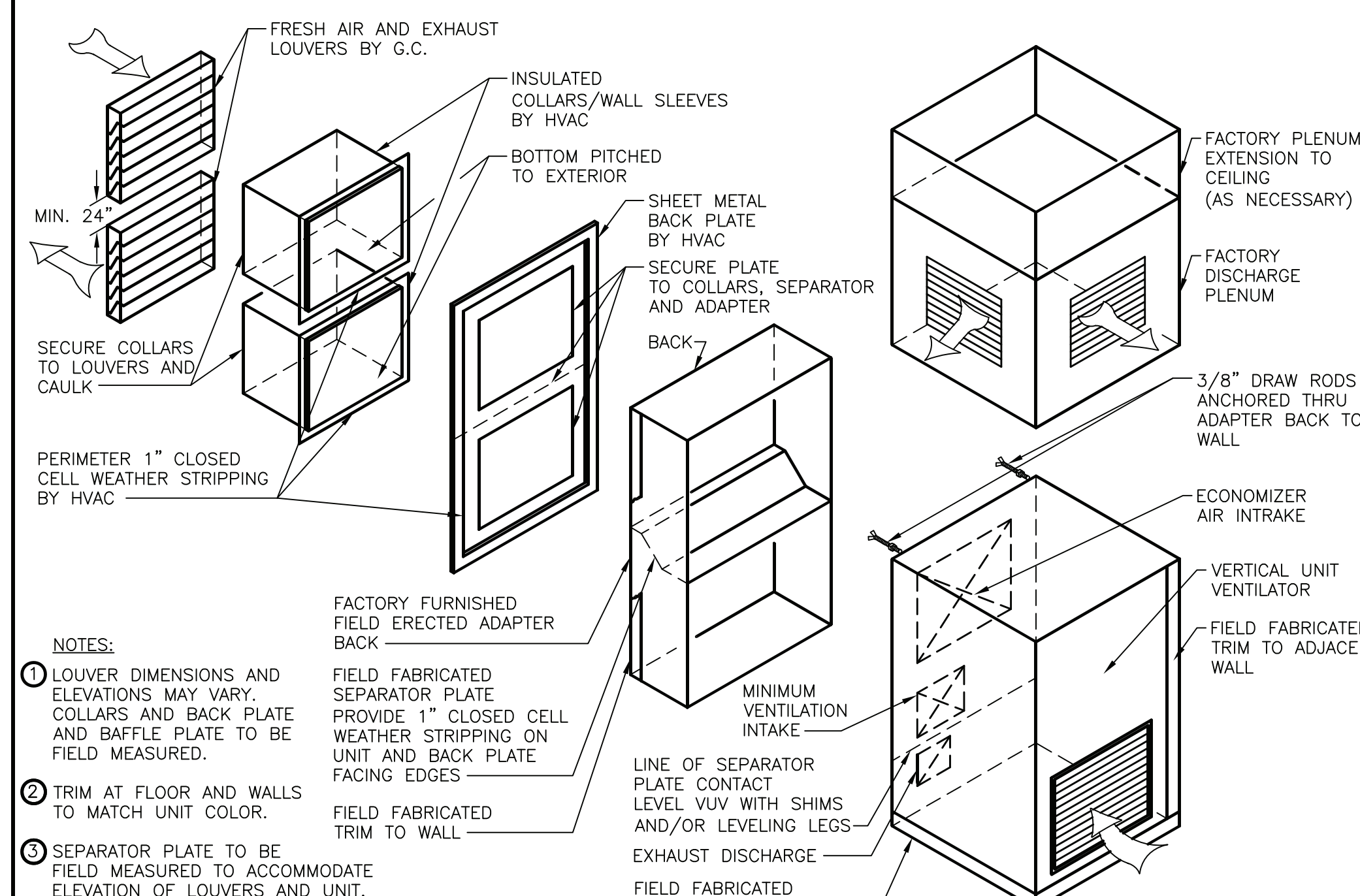
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**AUTOMATIC CHEMICAL
FEEDER DETAIL**

8
H401

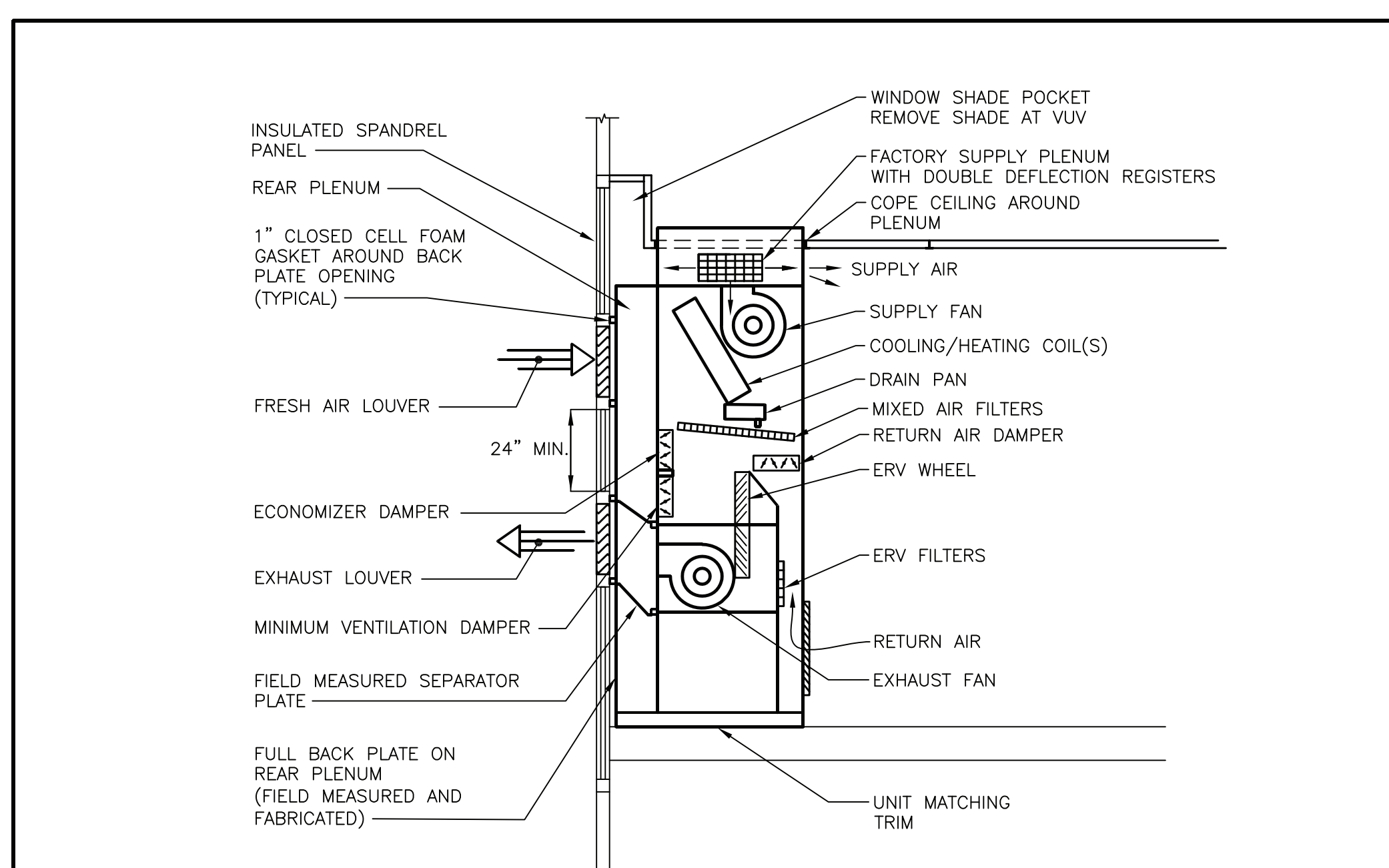
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VERTICAL UNIT VENTILATOR DETAIL

1
H401

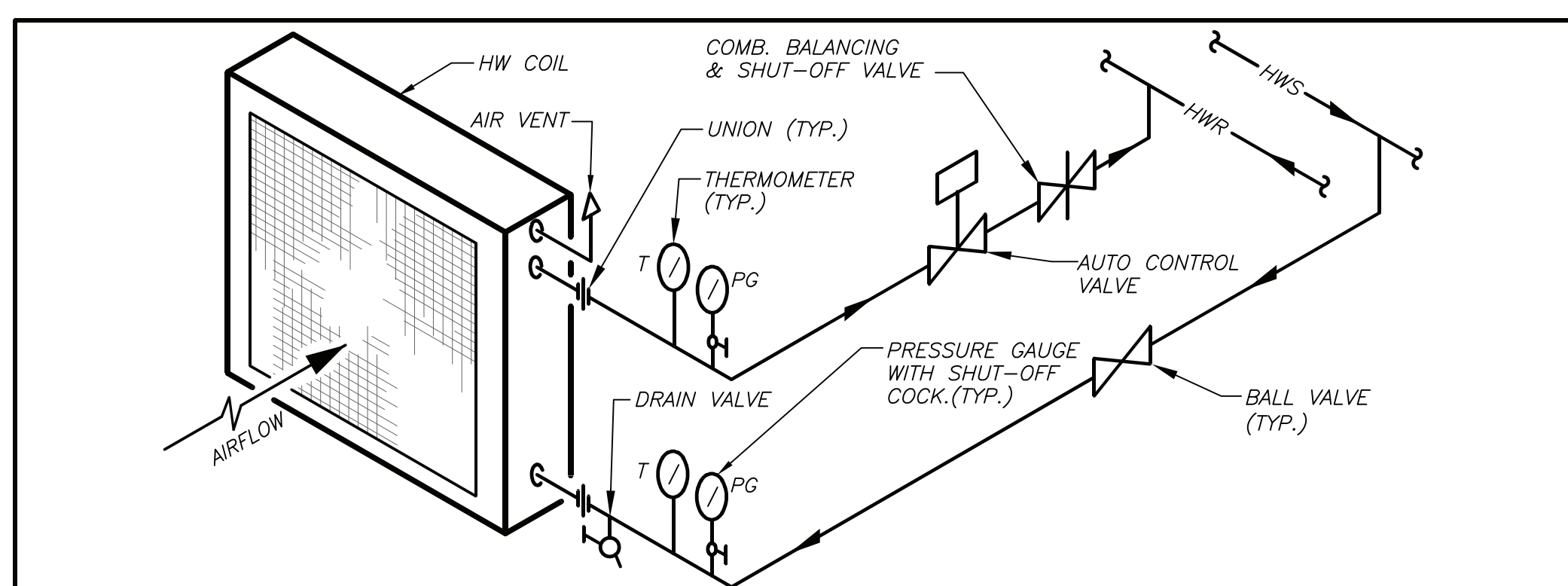
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**VERTICAL UNIT VENTILATOR DETAIL ELEVATION
(WINDOW WALL)**

2
H401

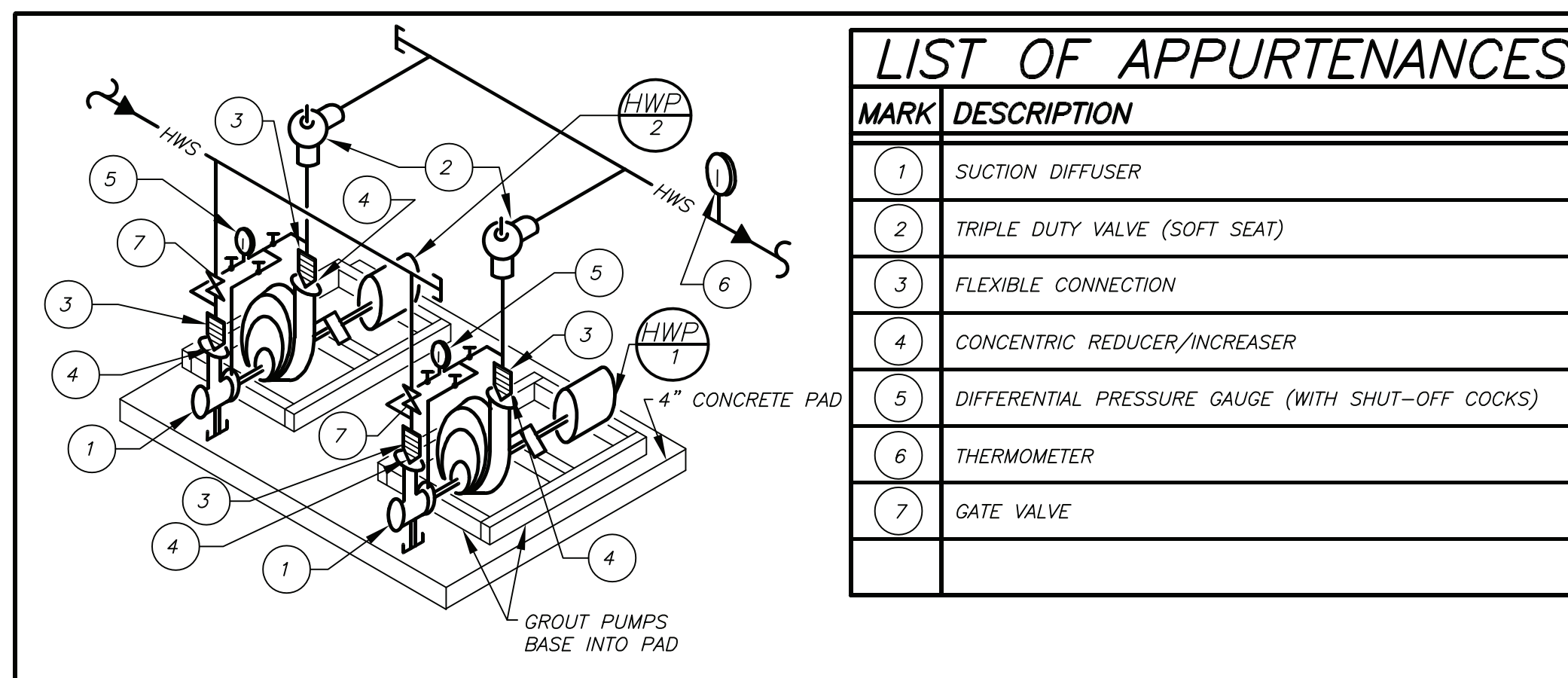
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COIL PIPING CONNECTION DETAIL

3
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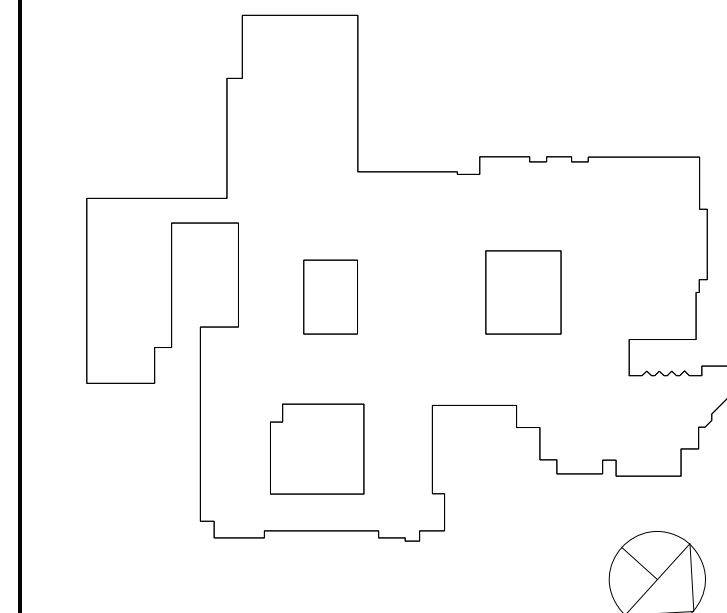
**PUMP STATION
PIPING SCHEMATIC**

4
H401

NO SCALE

LIST OF APPURTENANCES	
MARK	DESCRIPTION
1	SUCTION DIFFUSER
2	TRIPLE DUTY VALVE (SOFT SEAT)
3	FLEXIBLE CONNECTION
4	CONCENTRIC REDUCER/INCREASER
5	DIFFERENTIAL PRESSURE GAUGE (WITH SHUT-OFF COCKS)
6	THERMOMETER
7	GATE VALVE

Revision Schedule		
No.	Description	Date
1	SED Submission	09/15/2020
2	SED Submission Addendum#1	01/08/2021
3	ISSUED FOR BID	01/19/2021



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71 Old Post Road
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Southport, CT 06890
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259 Water Street Suite 1L
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+1 401-289-2789

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BARILE GALLAGHER & ASSOCIATES

CONSULTING ENGINEERS
39 MARBLE AVENUE, PLEASANTVILLE, NY 10570
914.328.6060 GENERAL@BGA-ENG.COM WWW.BGA-ENG.COM

Construction Manager
SAVIN ENGINEERS, P.C.
3 Campus Drive
Pleasantville, NY 10570
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SED #: 6618-0001-0005-032

PROJECT

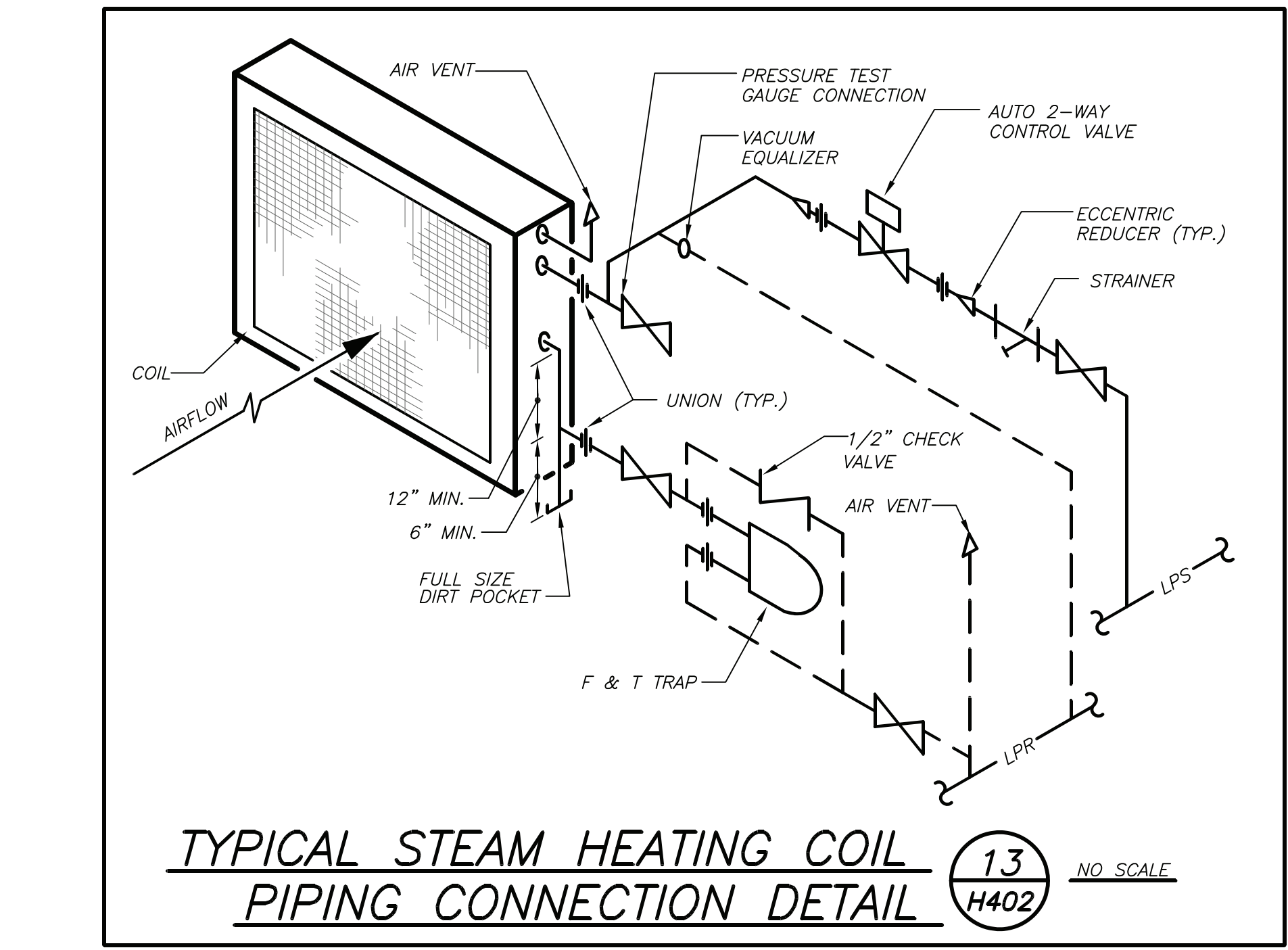
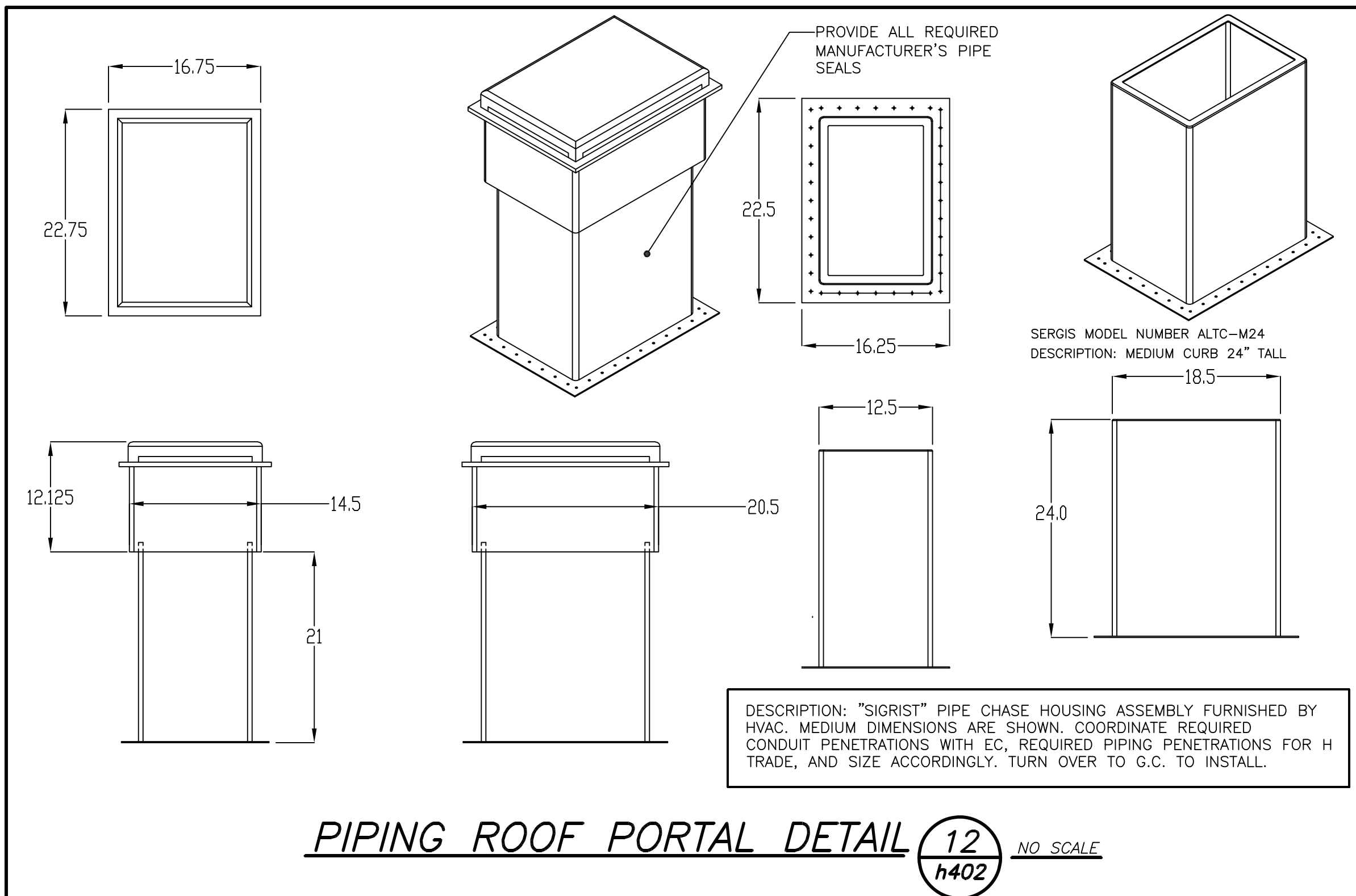
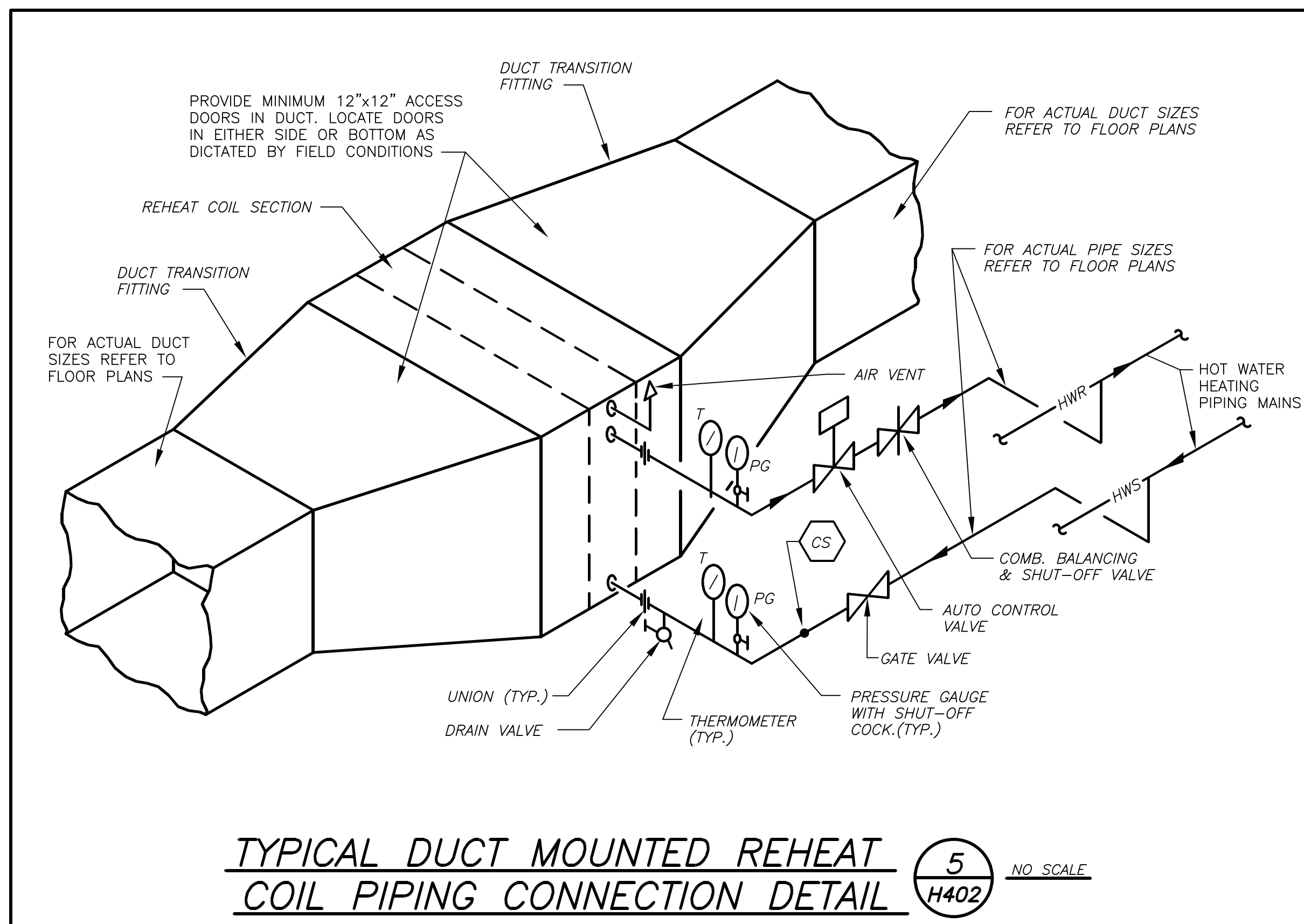
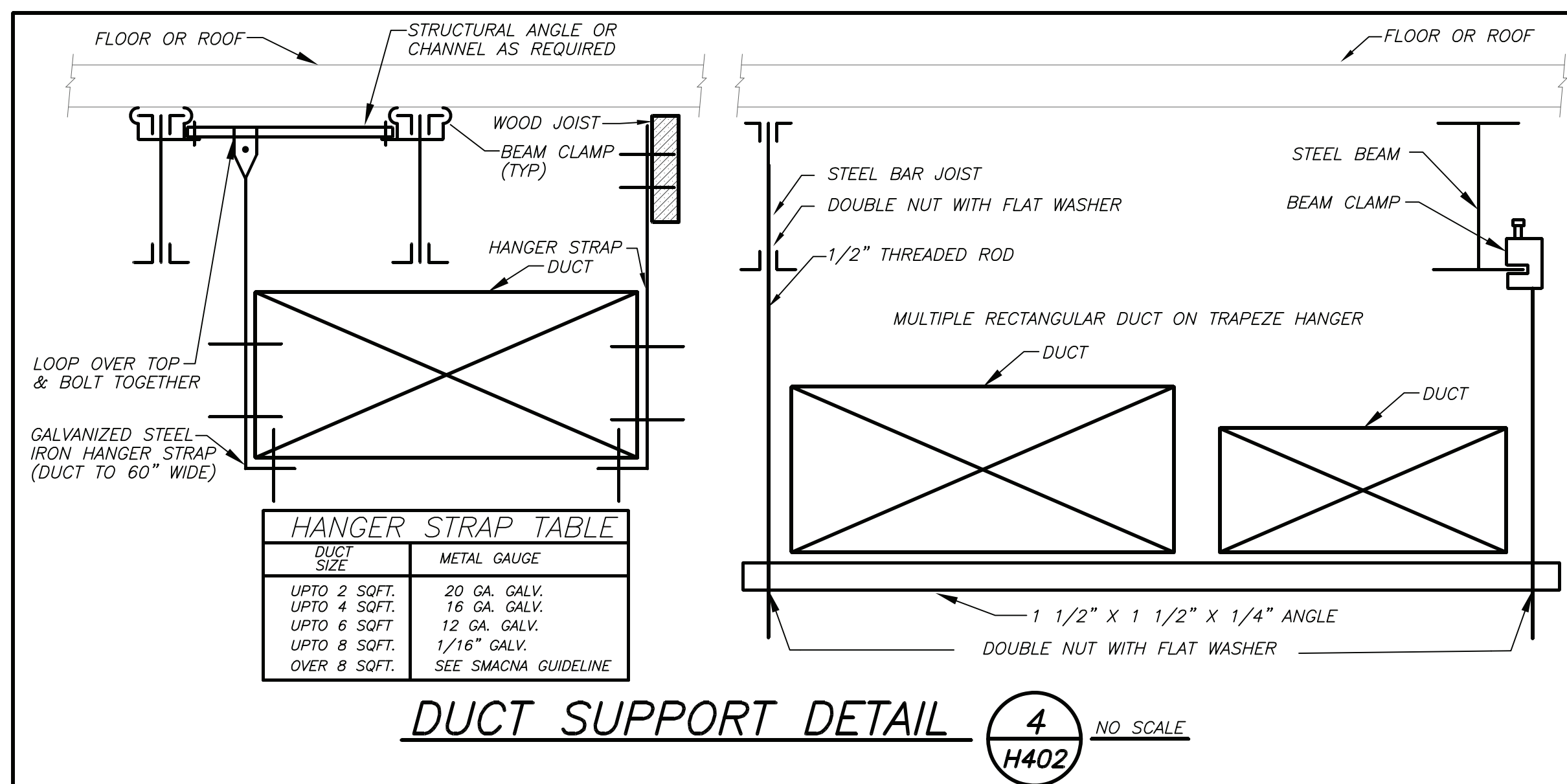
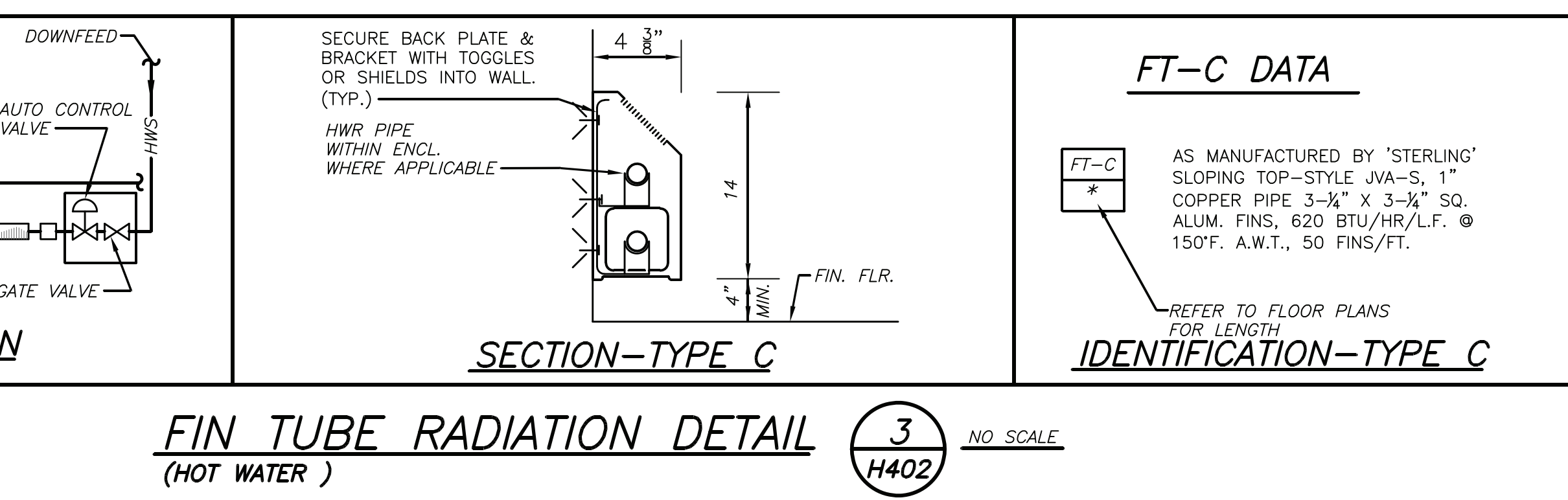
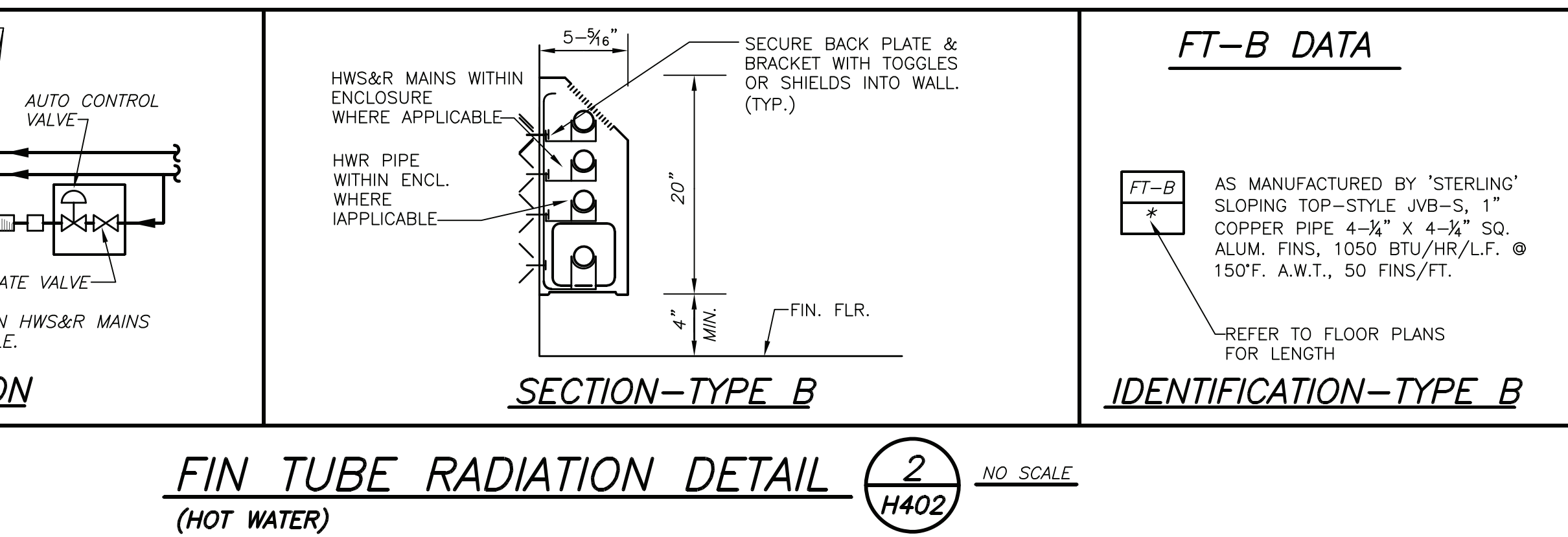
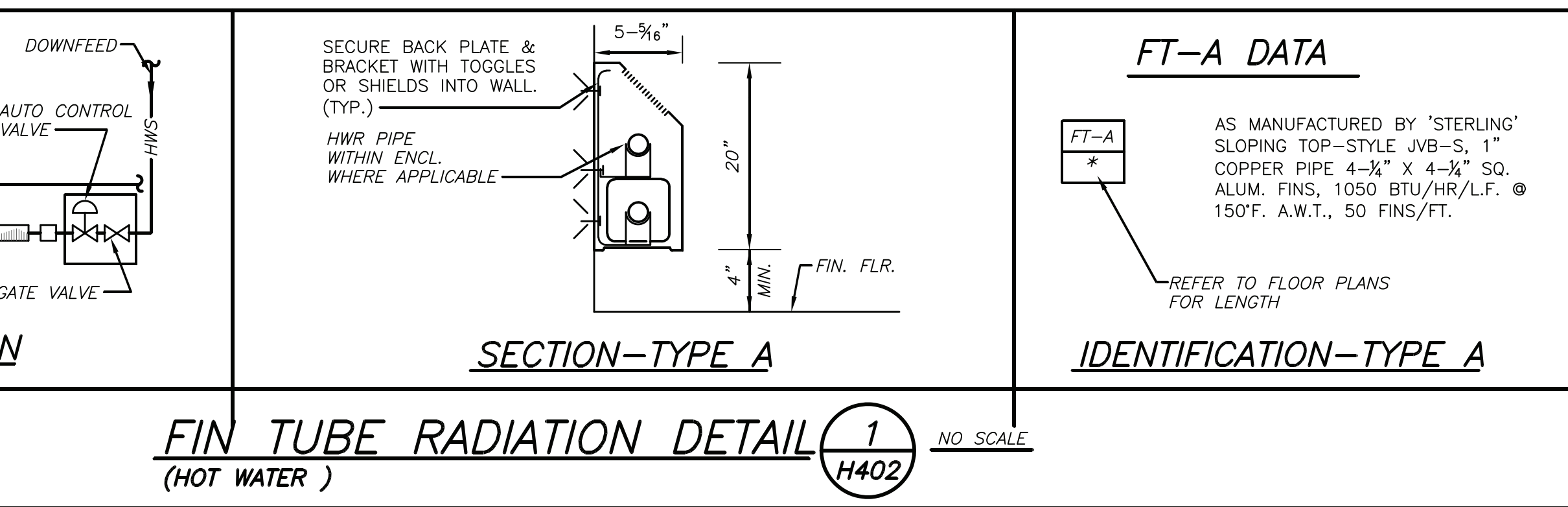
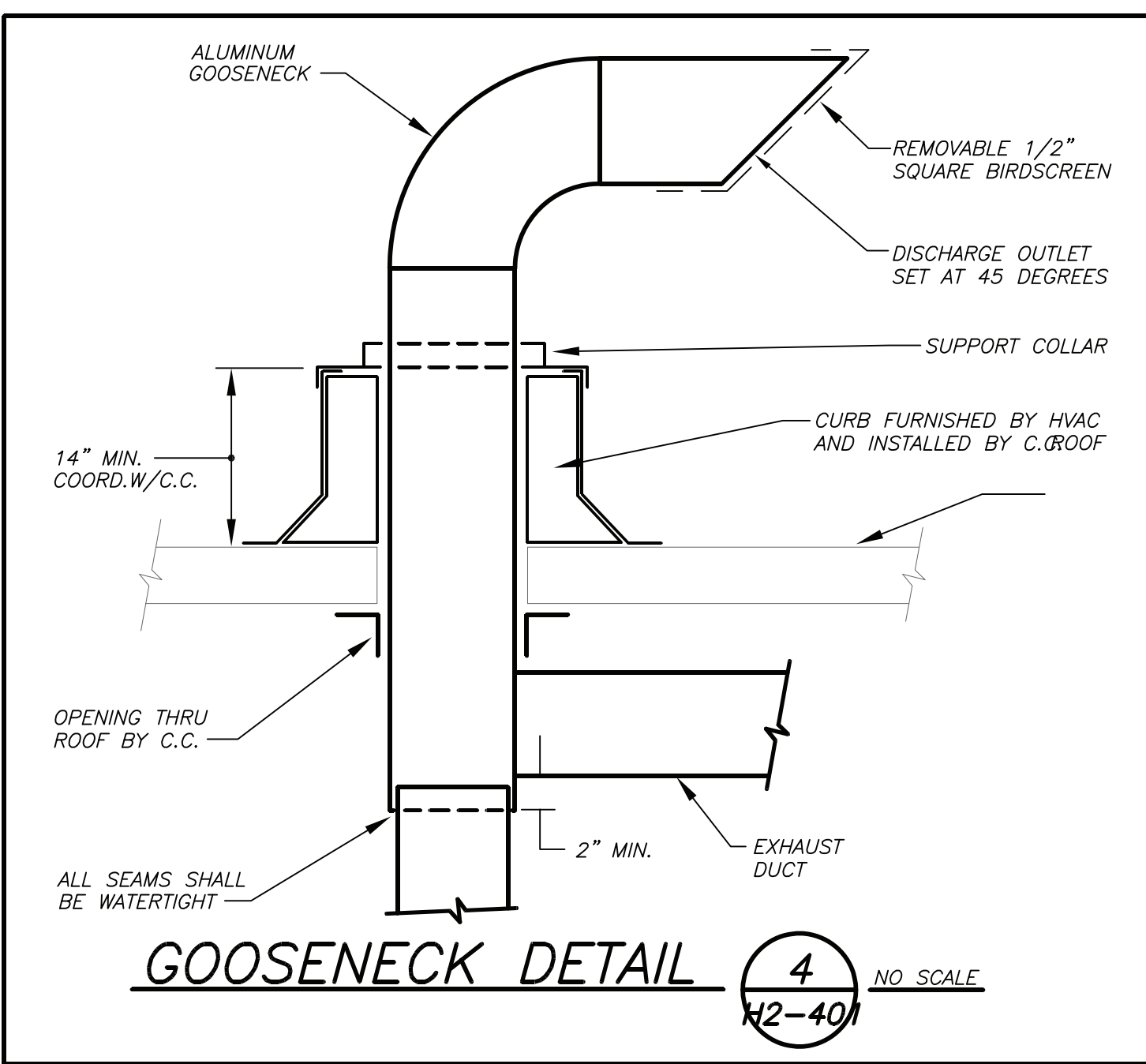
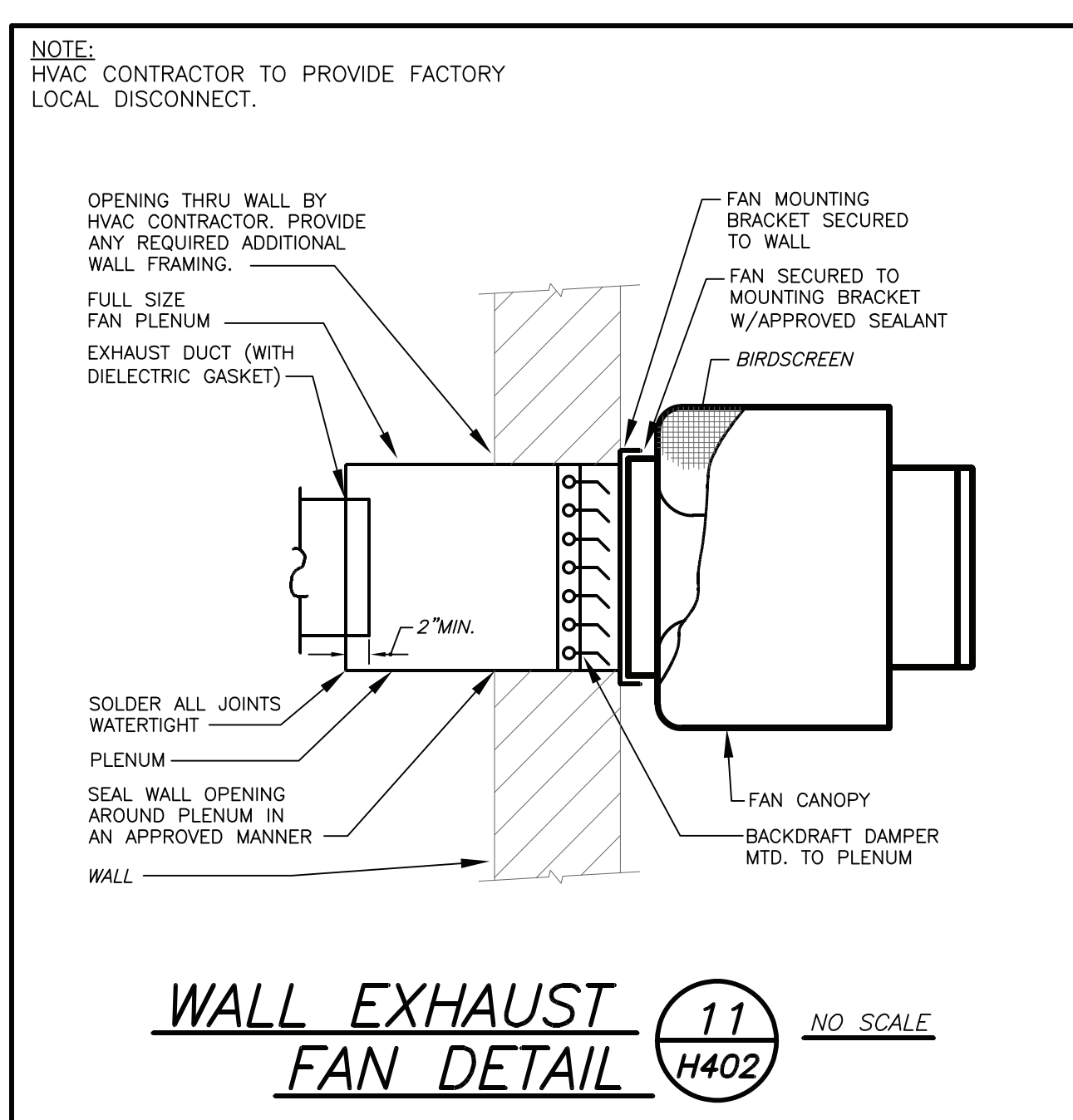
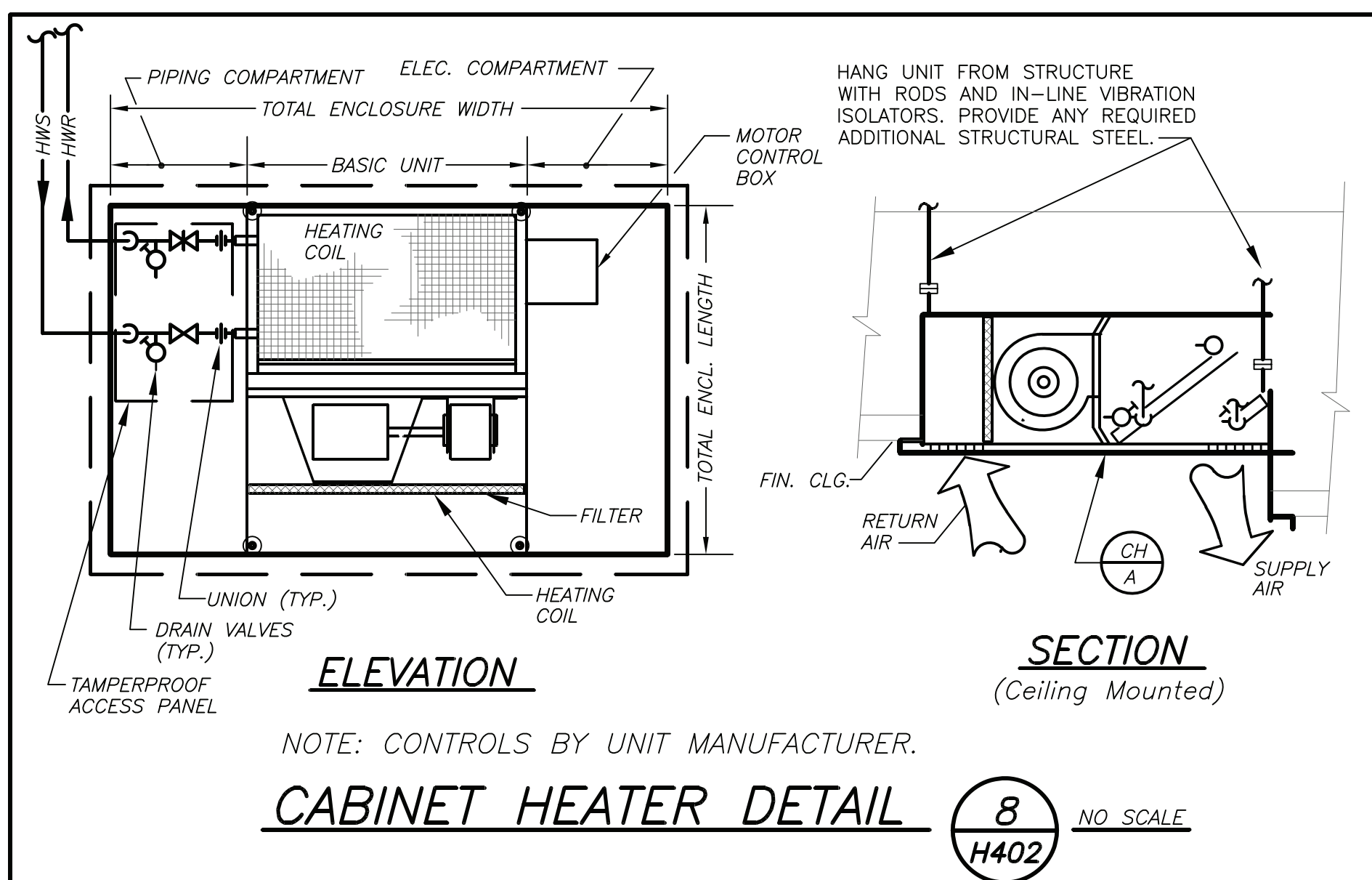
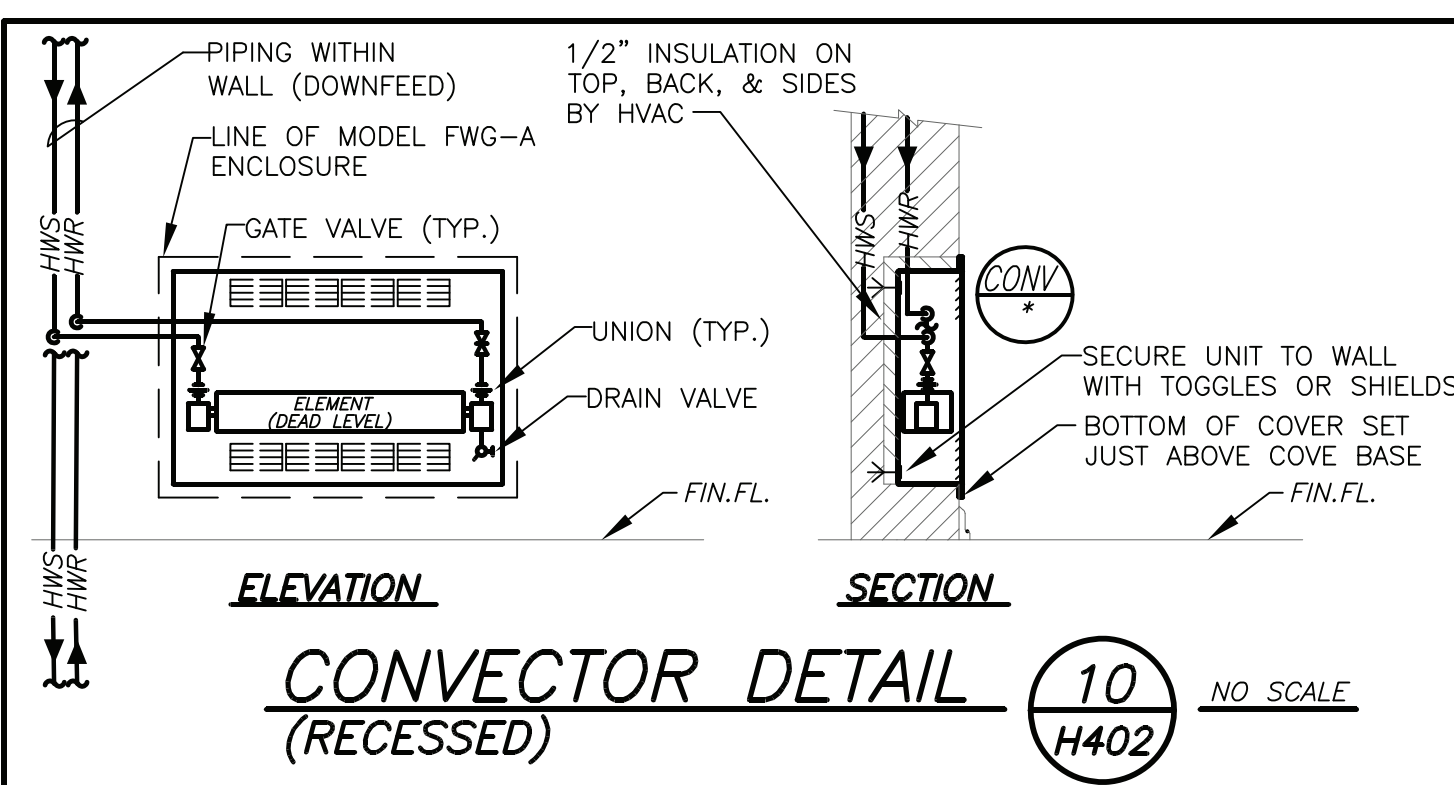
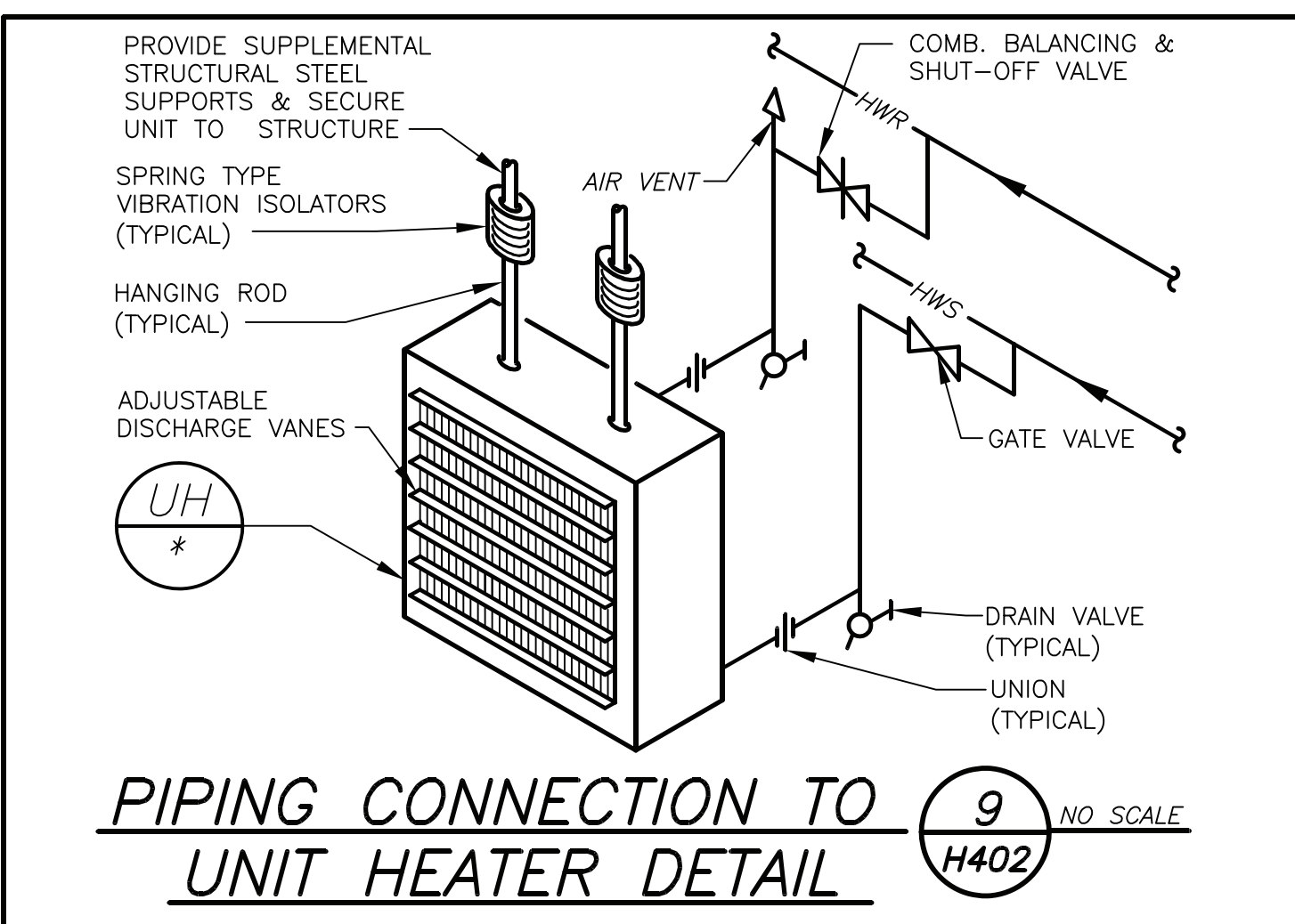
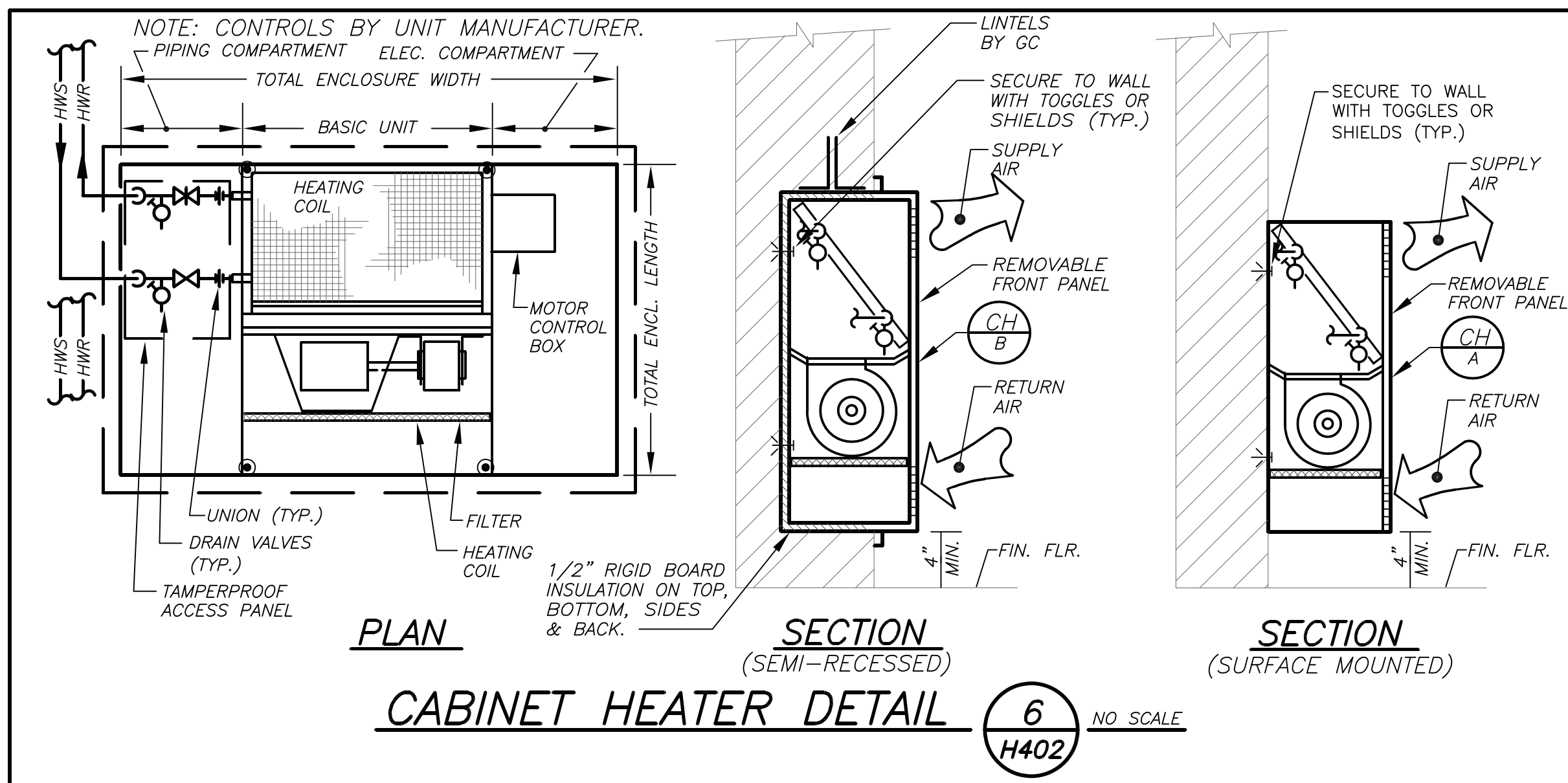
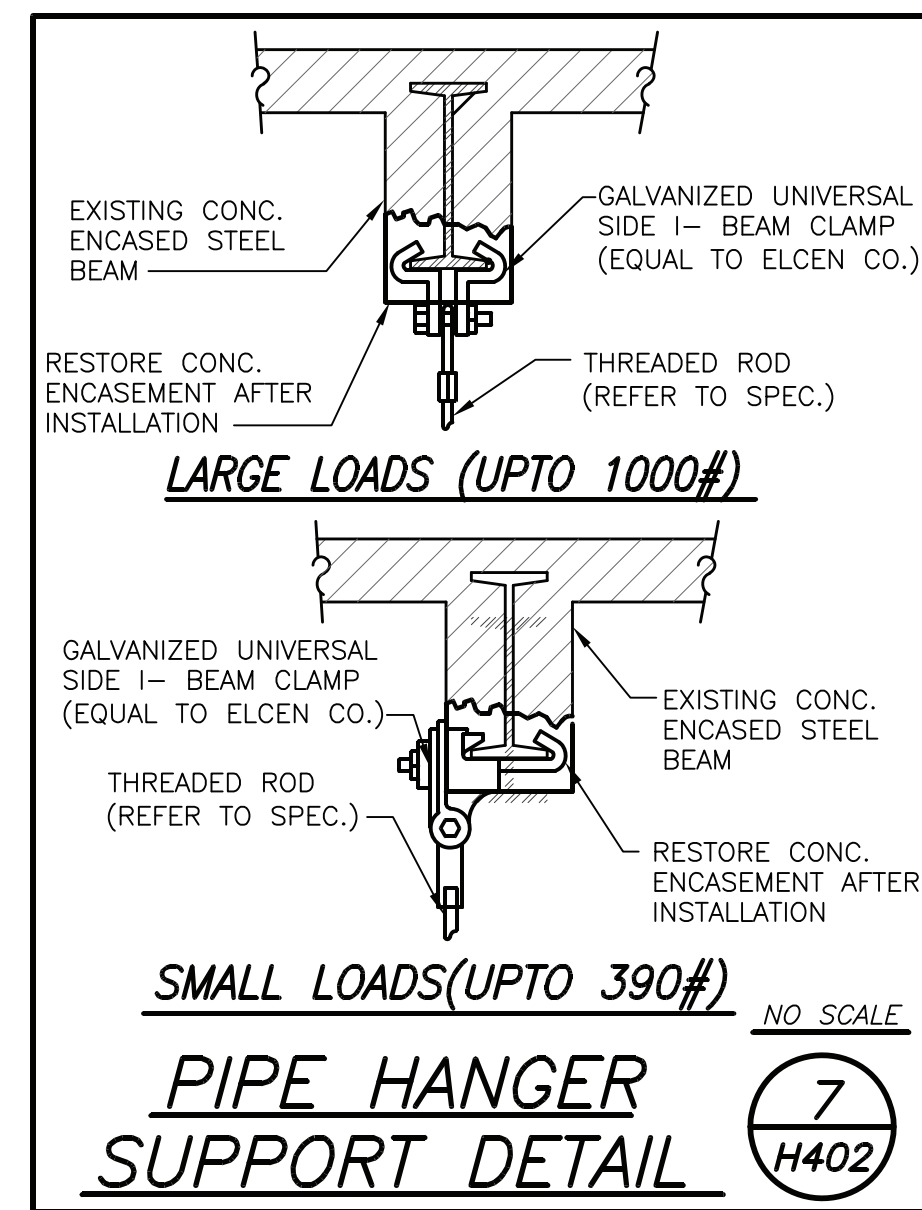
Rye City School District
555 Theodore Fremd Ave, Rye, NY 10580

Rye High School & Middle
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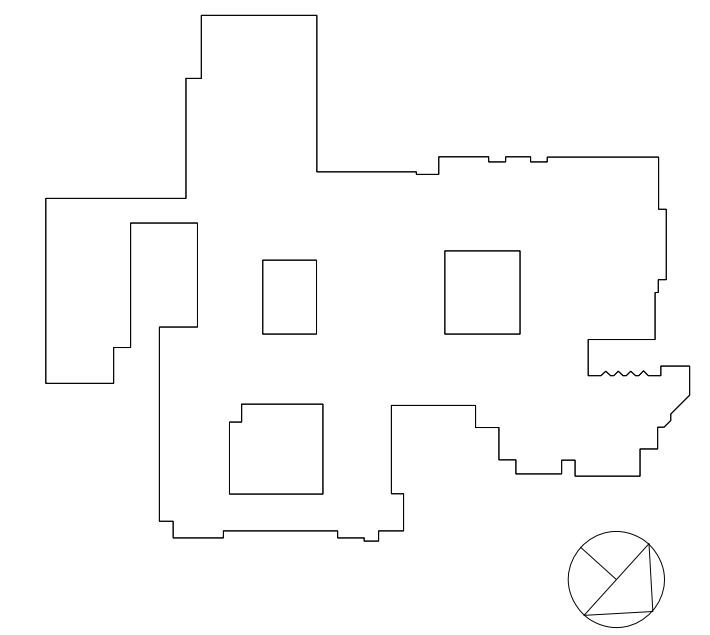
1 Parsons Street, Rye, New York 10580

HIGH SCHOOL & MIDDLE
SCHOOL
DETAILS

SEAL & SIGNATURE DATE: 11/07/19
PROJECT No: 9200
DRAWING BY: BGA
CHK BY: BGA
DWG No: H2-401



Revision Schedule		
No.	Description	Date
1	SED Submission	09/15/2020
2	SED Submission Addendum#1	01/08/2021
3	ISSUED FOR BID	01/19/2021



Geddis Architects

Architecture. Planning. Interiors

71 Old Post Road
P.O. Box 1020
Southport, CT 06890
(203) 256-8700

Fielding International

Transforming Education by Design

259 Water Street Suite 1L
Warren, RI 02885 USA
+1 401-289-2789

bga

BARILE GALLAGHER & ASSOCIATES
CONSULTING ENGINEERS

Construction Manager
SAVIN ENGINEERS, P.C.
3 Campus Drive
Pleasantville, NY 10570
914-769-3200

Structural Engineer
ODEH ENGINEERS
1223 Mineral Spring Ave
North Providence, RI 02904
401-724-1771

Civil Engineer
WESTON & SAMPSON
1 Winners Circle, Suite 130
Albany, NY 12205
518-463-4400

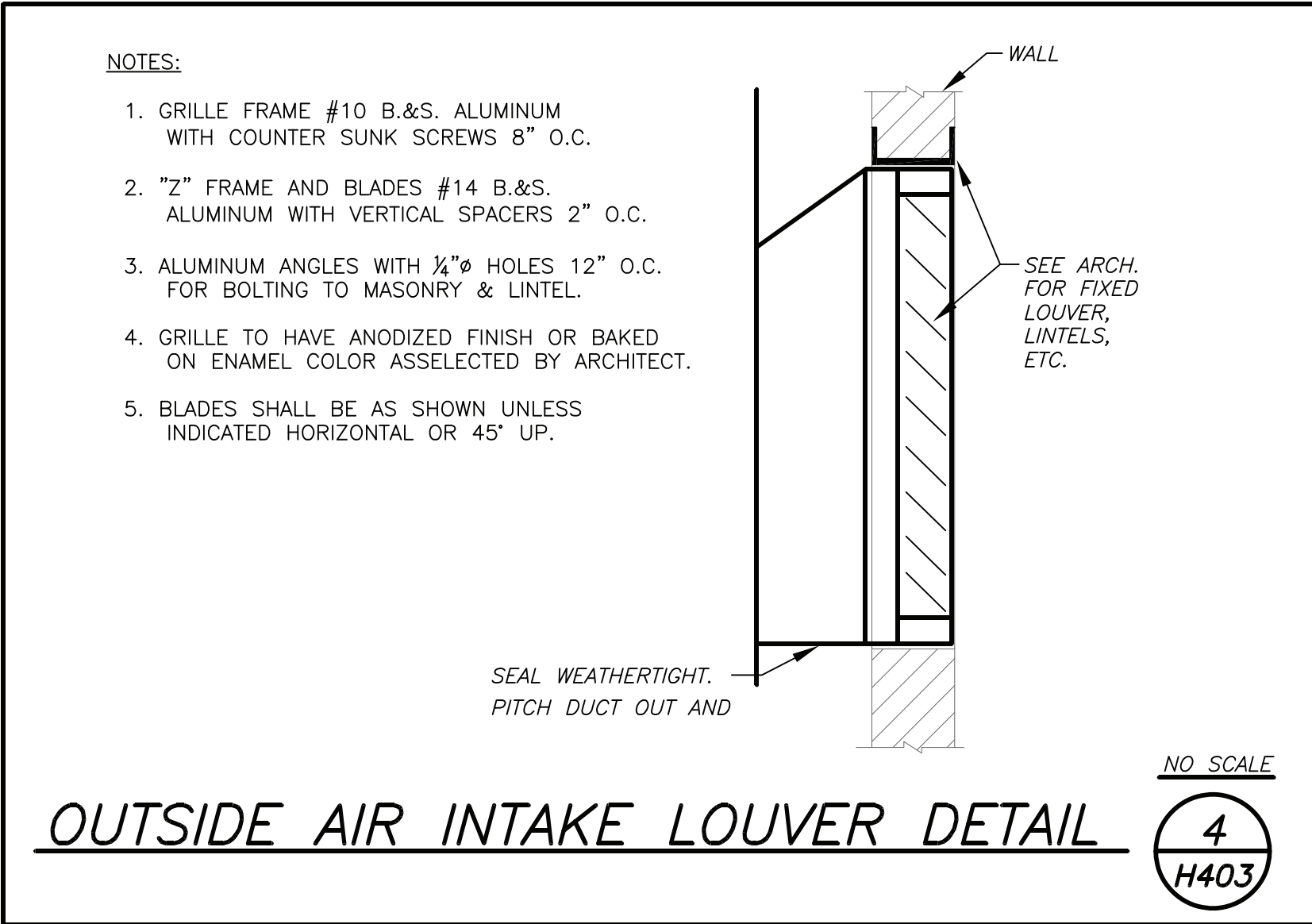
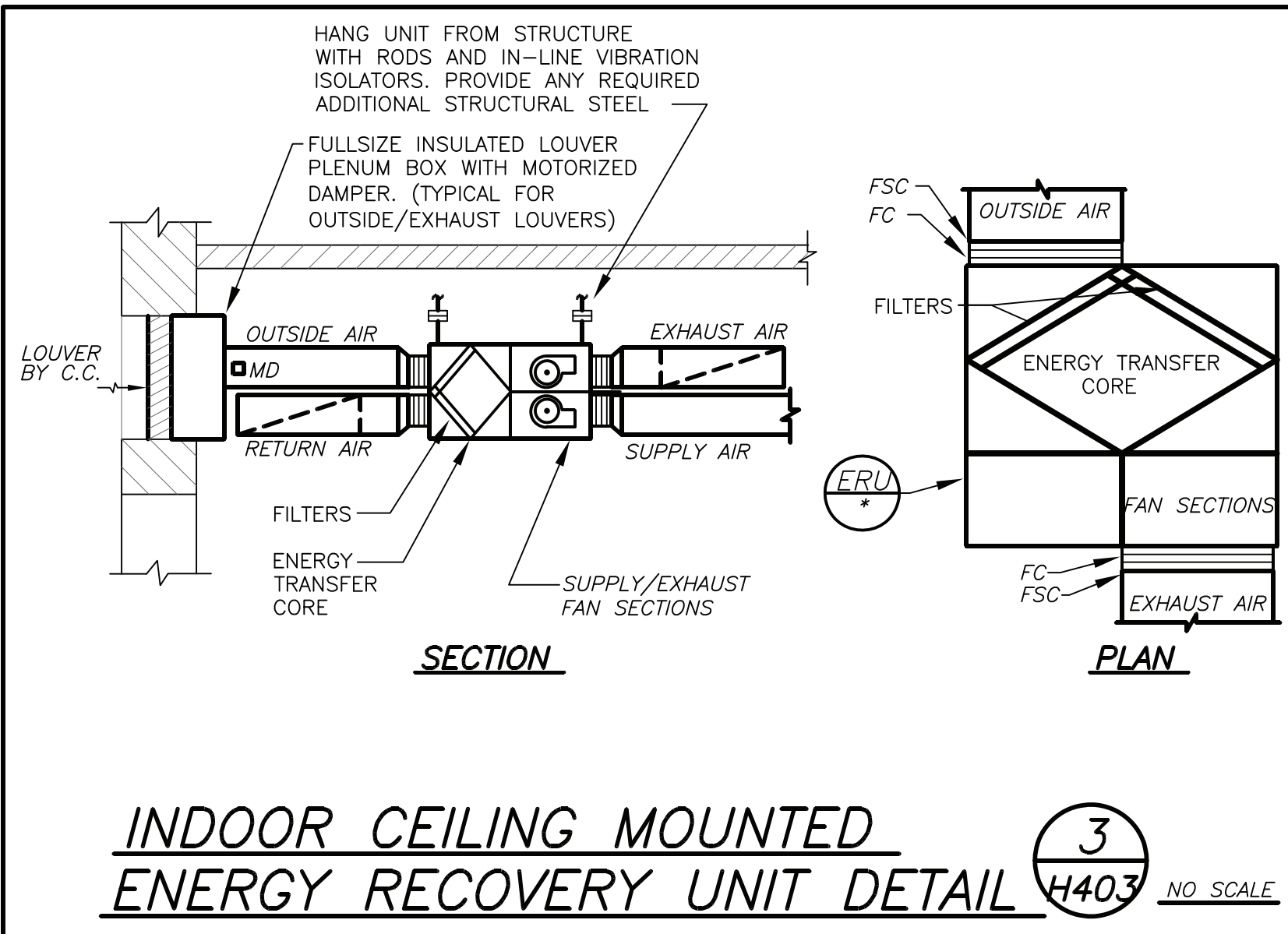
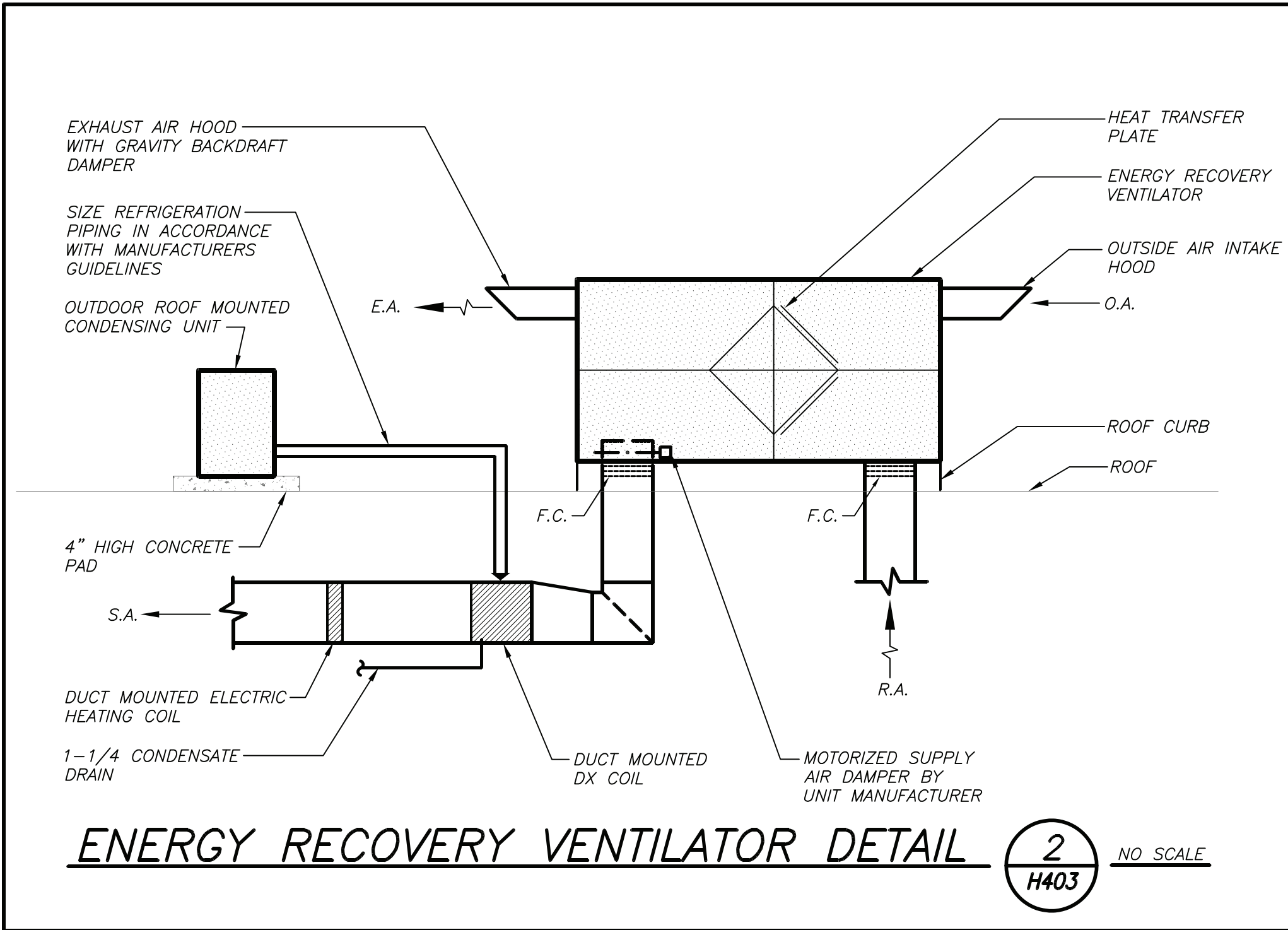
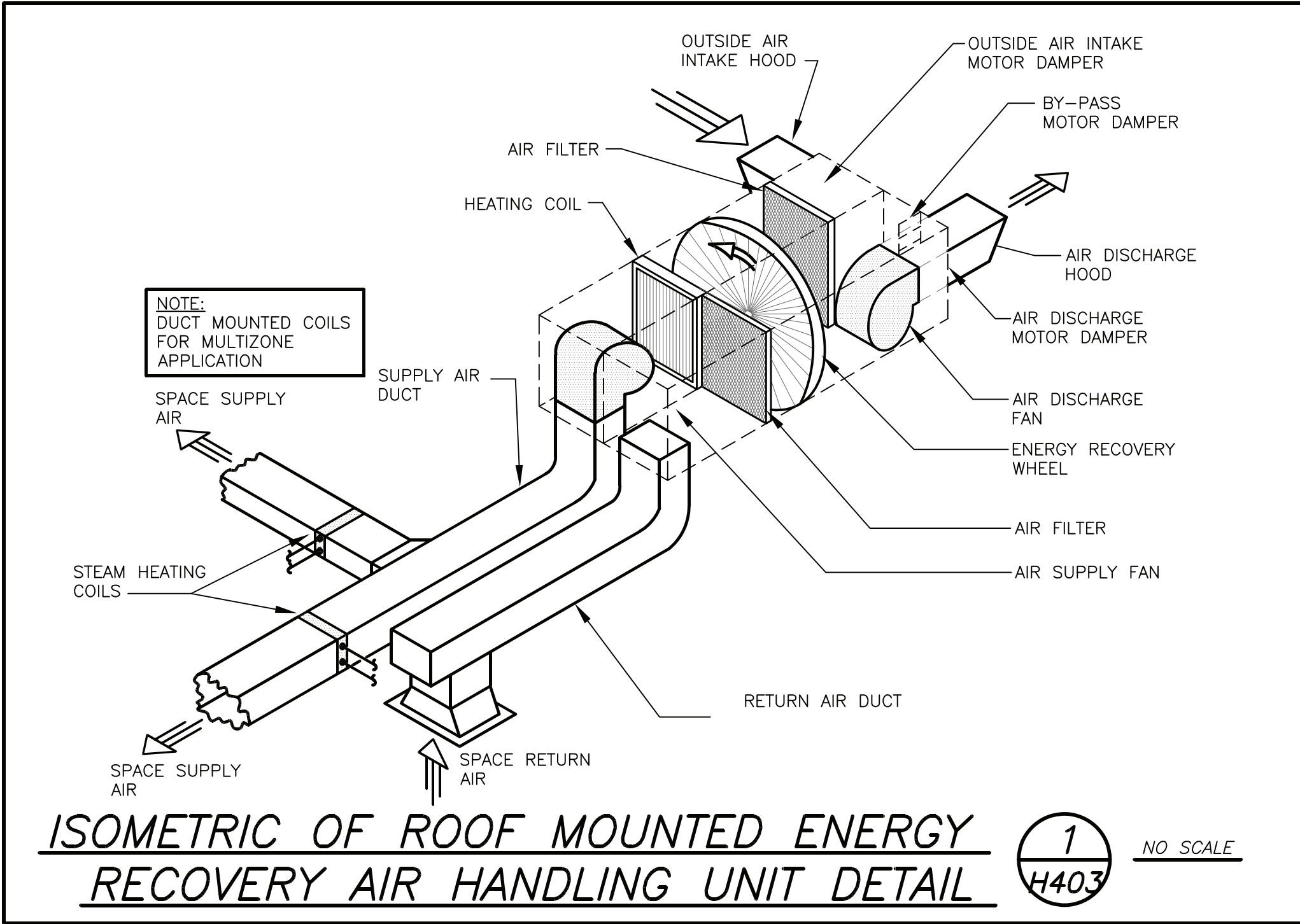
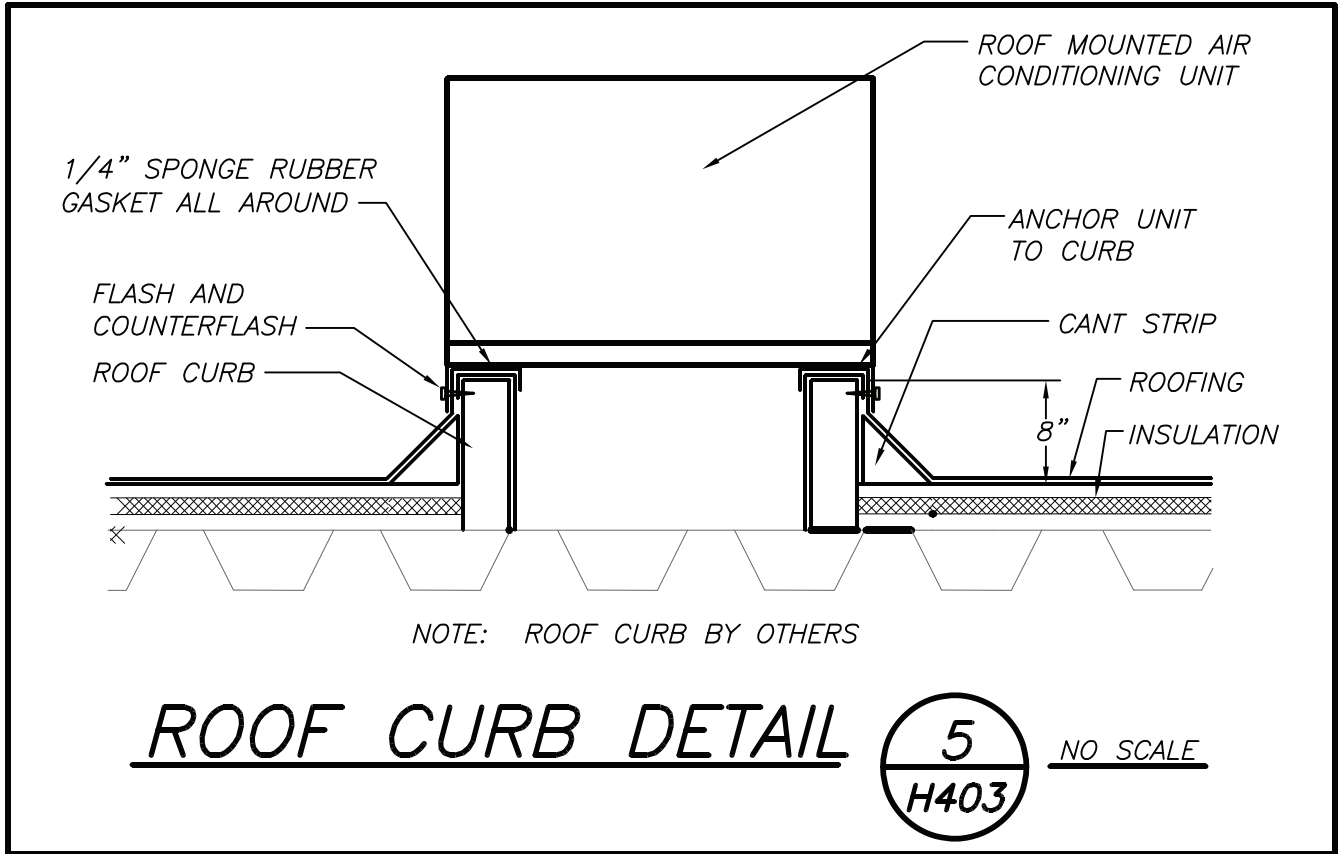
Acoustic Consultant
DP DESIGN
12 Cold Spring Street
Providence, RI
401-861-3218

SED #: 6618-0001-0005-032

PROJECT
Rye City School District
555 Theodore Fremd Ave, Rye, NY 10580
Rye High School & Middle School
1 Parsons Street, Rye, New York 10580

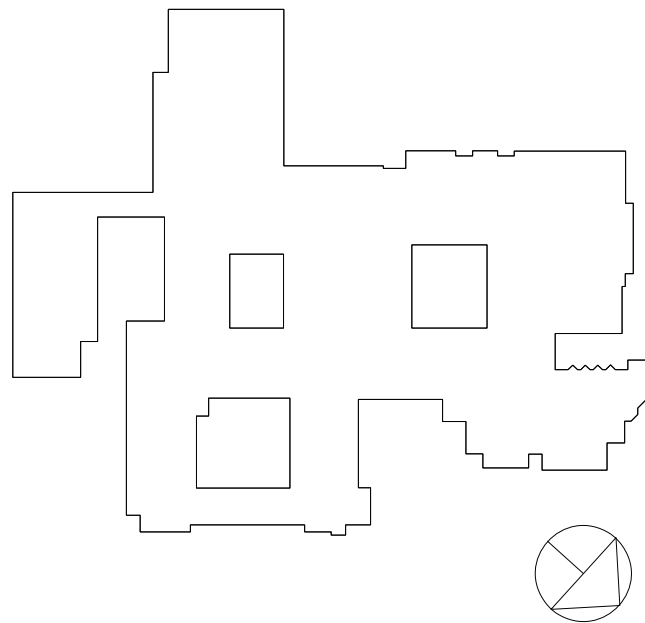
HIGH SCHOOL & MIDDLE SCHOOL DETAILS

SEAL & SIGNATURE DATE: 11/07/19
PROJECT No: 9200
DRAWING BY: BGA
CHK BY: BGA
DWG No: H2-402



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

Revision Schedule		
No.	Description	Date
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259 Water Street Suite 1L
Warren , RI 02885 USA
+1 401-289-2789



BARILE GALLAGHER & ASSOCIATES

CONSULTING ENGINEERS
39 MARBLE AVE. PLEASANTVILLE, NY 10570
914.328.6060 GENERAL@BGA-ENG.com www.BGA-ENG.com

Construction Manager
SAVIN ENGINEERS, P.C.
3 Campus Drive
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