

STEAM PLANT REMOVAL NOTES:

REMOVE EXISTING STEAM HEATING PLANT AND ALL RELATED APPURTENANCES IN THEIR ENTIRETY. ABATEMENT CONTRACTOR SHALL REMOVE ALL BOILERS, ASSOCIATED SUPPORT BASES, FLUES, AND DUCTWORK. HVAC CONTRACTOR TO PROVIDE ALTERNATE PRICE TO REMOVE THE PREVIOUSLY LISTED EQUIPMENT IF TESTING RESULTS SHOW ABATEMENT IS NOT NECESSARY. HVAC CONTRACTOR SHALL REMOVE ALL CONDENSATE PUMPING UNITS, BOILER FEED SYSTEMS, FUEL OIL PUMPS, HOUSEKEEPING PADS, ALL DISTRIBUTION STEAM/CONDENSATE/FUEL OIL PIPING, PNEUMATIC COMPRESSED AIR SYSTEM (INCLUDING PIPING AND ALL PNEUMATIC CONTROL DEVICES, DAMPERS AND ACTUATORS), CONTROLS, AND OTHER ASSOCIATED APPURTENANCES. AIR COMPRESSOR SYSTEM SHALL REMAIN OPERATIONAL UNTIL ALL PNEUMATIC DEVICES HAVE BEEN REPLACED WITH DDC TYPE THROUGHOUT THE ENTIRE BUILDING AND ARE OPERATIONAL. HVAC CONTRACTOR SHALL PATCH AND SEAL ALL WALL AND FLOOR OPENINGS, INCLUDING CHIMNEY WALL OPENINGS, TO MATCH EXISTING CONSTRUCTION AND RATINGS. SEE ARCHITECTURAL DRAWING FOR WEATHER PROOF ENCLOSURE AT TOP OF CHIMNEYS (BY GC).

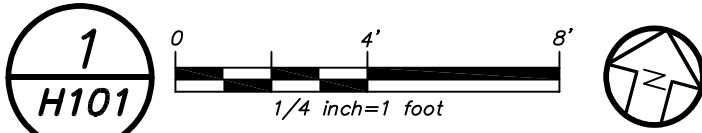
REMOVE TEMPORARY OIL TANK AND ASSOCIATE PIPING AND DELIVER TO OWNER SPECIFIED LOCATION.

EVACUATE AND REMOVE EXISTING FUEL OIL PIPING, PUMPS, SUPPORTS AND ALL ASSOCIATED APPURTENANCES INCLUDING MONITORING SYSTEM.

REMOVE EXISTING OA INTAKE LOUVER AND ASSOCIATED DUCTWORK.

EXISTING BREECHING

PART BASEMENT FLOOR PLAN (REMOVALS)



REMOVAL NOTES:

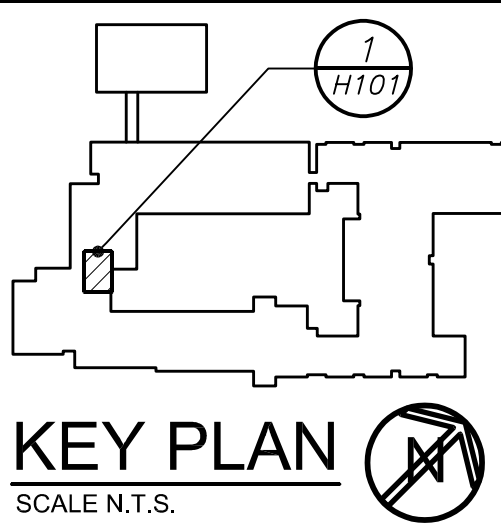
- THE SCOPE OF REMOVAL SHOWN ON "REMOVALS" DRAWINGS IS DIAGRAMMATIC ONLY AND INDICATES THE INTENT OF THE WORK TO BE PERFORMED AND NOT THE COMPLETE SCOPE OF DEMOLITION AND/OR REMOVAL WORK. IT SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR TO REMOVE ANY RELATED MECHANICAL DEVICES, PIPING, VALVES, ETC. EVEN IF NOT SPECIFICALLY INDICATED TO BE REMOVED ON THESE DRAWINGS IN ORDER TO ACCOMMODATE NEW WORK.
- DOCKES 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 WHERE PIPING IS INSTALLED EXPOSED.
- 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 ALL STEAM AND CONDENSATE PIPING THROUGHOUT THE ENTIRE BUILDING INCLUDING THE CRAWLSPACE AND PIPE TUNNELS. EVEN IF NOT SPECIFICALLY INDICATED TO BE REMOVED ON THESE DRAWINGS, REMOVE ALL ASSOCIATED STEAM FED PERIMETER RADIATION (INCLUDING RADIATORS, FIN TUBE, CABINET HEATERS, CONVECTORS), AIR HANDLING UNIT STEAM HEATING COILS, PIPING SUPPORTS, ETC. PATCH, SEAL AND PAINT ALL WALL AND FLOOR OPENING TO MATCH EXISTING CONSTRUCTION AND RATINGS. EXISTING HANGERS, RODS, AND ATTACHMENT DEVICES SHALL BE REMOVED IN THEIR ENTIRETY. SLAB TO BE PATCHED TO MATCH EXISTING CONSTRUCTION.
- EXISTING AND REFURBISHED HVAC EQUIPMENT (INCLUDING ALL AIR OUTLETS) SHALL BE AIR AND WATER BALANCED TO ORIGINAL AND SPECIFIED PERFORMANCES.

REFURBISHMENT SCOPE OF WORK

- THE CONTRACTOR SHALL PERFORM THE FOLLOWING WORK (AS APPLICABLE TO FANS, AHUS, AND UVS):
 - COMPLETELY CLEAN INSIDE OF UNIT CASING, INCLUDING AIR DAMPERS AND FILTER RACK. AN INSPECTION SHALL BE MADE OF THE SURFACES TO WHICH CIRCULATED AIR MAY BE EXPOSED, TO LOCATE ANY GROWTH OR PRESENCE OF MOLD OR MILDEW. IF SUCH GROWTH IS FOUND, IT SHALL BE CLEANED AWAY AND THE AREA TREATED WITH AN APPROVED NON-TOXIC, NON-ALLERGENIC FUNGICIDE.
 - CLEAN FAN WHEELS OF DIRT BUILD-UP.
 - CHECK FAN BEARINGS FOR EXCESSIVE WEAR AND REPLACE IF NECESSARY. LUBRICATE.
 - REPLACE DRIVE BELT(S), PULLIES, AND ADJUST SHEAVES AS REQUIRED. REPLACE SHEAVES AS NECESSARY TO ACHIEVE REQUIRED CFM QUANTITIES.
 - CLEAN COIL(S) DOWN TO BARE METAL. STRAIGHTEN BENT FINS.
 - REPLACE FILTERS WITH NEW FILTERS. SIZE SHALL BE APPROPRIATE FOR FILTER RACK.
 - FREE-UP AND LUBRICATE MIXED AIR DAMPERS.
 - CHECK MOUNTINGS AND HOUSINGS FOR LOOSE PARTS AND REPAIR AS NECESSARY.
 - CLEAN ALL DAMPER BLADES AND LUBRICATE SHAFTS.
 - REPLACE ALL FLEXIBLE DUCT CONNECTIONS.
 - CHECK CONDITION OF MOTORS AND REPLACE WITH WITH NEW HIGH EFFICIENCY MOTORS AS NECESSARY. REPLACE ALL ASSOCIATED MOTOR/STARTER/DISCONNECT SWITCHES AND WIRING AS REQUIRED.
 - REPLACE BEARINGS AND BENT/WORN SHAFTS.
 - REBALANCE SYSTEMS TO INDICATED PERFORMANCES.
- PRODUCTS AND EXECUTION
 - BELTS SHALL BE COMMERCIAL QUALITY FOR THEIR USE AND SHALL BE OF PROPER SIZE AND LENGTH TO FIT THE SHEAVES AND DRIVE LENGTH.
 - LUBRICANTS SHALL BE COMMERCIAL QUALITY FOR THEIR USE AND SHALL BE OF TYPE AS SPECIFICALLY RECOMMENDED BY THE MANUFACTURER.
 - ALL GREASE FITTINGS SHALL BE WIPED CLEAN BEFORE AND AFTER LUBRICATION AND ALL SPILLED LUBRICANT SHALL BE CLEANED UP.
 - BELT TENSION SHALL BE ADJUSTED TO MANUFACTURER'S RECOMMENDED TENSION AND PER INDUSTRY PRACTICE.

LEGEND

	EXISTING DUCTWORK, EQUIPMENT, ETC. TO REMAIN
	EXISTING DUCTWORK, EQUIPMENT, ETC. TO BE REMOVED
	NEW DUCTWORK
	FLEXIBLE CONNECTION
	POINT OF CHANGE IN DUCT SIZE
	SQUARE DUCT TURN WITH TURNING VANES
	EXISTING CEILING EXHAUST/RETURN REGISTER/GRILLE
	4-WAY CEILING DIFFUSER
	3-WAY CEILING DIFFUSER
	REGISTER/DIFFUSER IDENTIFICATION
	DUCT MTD. MANUAL AIR VOLUME DAMPER (LOCKING TYPE)
	MOTORIZED DAMPER
	FIRE DAMPER AND ACCESS DOOR/SMOKE DAMPER W/AD
	EXISTING LOW PRESSURE STEAM SUPPLY PIPE
	EXISTING LOW PRESSURE STEAM RETURN PIPE
	EXISTING FUEL OIL SUPPLY PIPE
	EXISTING FUEL OIL RETURN PIPE
	EXISTING PUMPED DISCHARGE PIPE
	EXISTING DOMESTIC COLD WATER SUPPLY
	EXISTING CHILLED WATER SUPPLY PIPE
	EXISTING CHILLED WATER RETURN PIPE
	EXISTING HOT WATER SUPPLY PIPE
	EXISTING HOT WATER RETURN PIPE
	EXISTING HOT WATER REVERSE RETURN PIPE
	CONDENSATE DRAIN PIPING
	FLOW DIRECTION WITHIN PIPE
	SHUT OFF VALVE
	COMBINATION BALANCING & SHUT-OFF VALVE
	2-WAY CONTROL VALVE
	CHECK VALVE
	PIPE CONNS. (BOTTOM; TOP 45 OR 90; PIPE UP)
	CLEAN OUT
	AUTOMATIC AIR VENT IDENTIFICATION
	THERMOMETER
	PRESSURE GAUGE (WITH SHUT-OFF COCK)
	STRAINER WITH BLOWDOWN
	NEW BOILER / EXISTING BOILER IDENTIFICATION
	NEW EXPANSION TANK IDENTIFICATION
	NEW CHEMICAL FEED TANK IDENTIFICATION
	NEW HOT WATER PUMP / EXISTING HOT WATER PUMP IDENTIF.
	NEW DRAFT FLUE FAN IDENTIFICATION
	EXISTING UNIT VENTILATOR IDENTIFICATION
	EXISTING UNIT VENTILATOR LOUVER IDENTIFICATION
	EXISTING EXHAUST FAN IDENTIFICATION
	NEW SUPPLY FAN / EXISTING SUPPLY FAN IDENTIFICATION
	NEW UNIT HEATER / EXISTING UNIT HEATER IDENTIFICATION
	EXISTING RADIATION IDENTIFICATION
	NEW FIN TUBE TYPE AND LENGTH IDENTIFICATION
	NEW CHEMICAL FEED TANK / EXISTING CHEMICAL FEED TANK
	NEW CABINET HEATER / EXISTING CABINET HEATER IDENTIFICATION
	NEW CONVECTOR / EXISTING CONVECTOR IDENTIFICATION
	EXISTING AIR HANDLING UNIT IDENTIFICATION
	EXISTING VACUUM CONDENSATE PUMP IDENTIFICATION
	EXISTING BOILER FEED PUMP IDENTIFICATION
	EXISTING FUEL OIL PUMP SET IDENTIFICATION
	NEW WALL MTD. (5'-2"+/- A.F.F.) TEMPERATURE SENSOR
	EXISTING TEMPERATURE SENSOR
	LOUVERED DOOR
	UNDERCUT DOOR
	POINT OF DISCONNECTION
	POINT OF CONNECTION, NEW TO EXISTING
	WMS WIRE MESH SCREEN
	CFM CUBIC FEET PER MINUTE
	AFT ABOVE FINISHED FLOOR
	OAI OUTSIDE AIR INTAKE
	FC FLEXIBLE CONNECTION
	AD ACCESS DOOR
	MD MOTORIZED DAMPER
	VD VOLUME DAMPER
	FD/AD FIRE DAMPER AND ACCESS DOOR
	C.O. CLEAN OUT
	G.C. GENERAL CONTRACTOR
	BR BOTTOM WALL REGISTER
	CR CEILING REGISTER
	SECTION/DETAIL/ELEVATION/PART PLAN NUMBER
	DRAWING NUMBER
	SECTION/ELEVATION IDENTIFICATION



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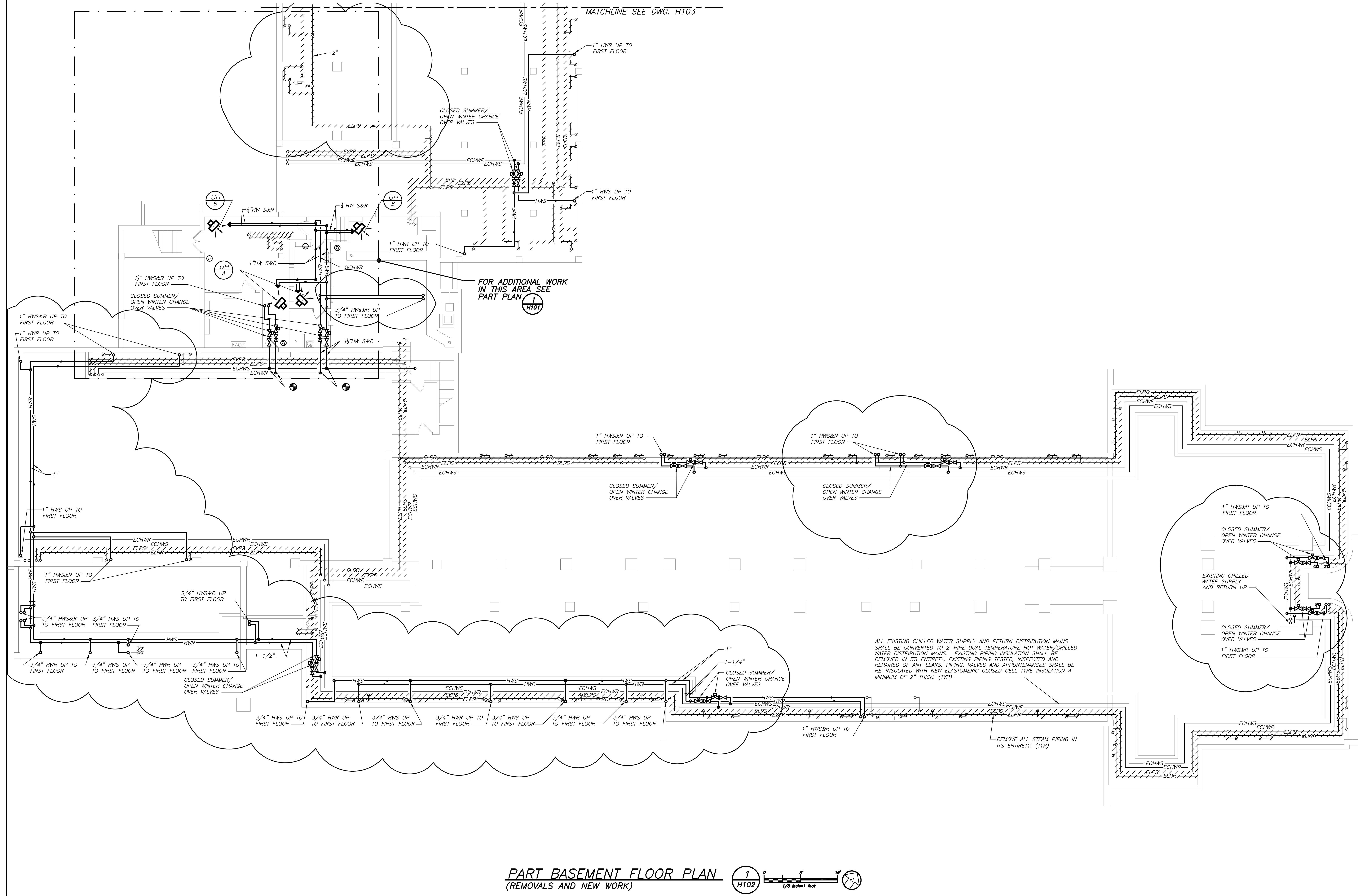
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YPS JOB # 10878

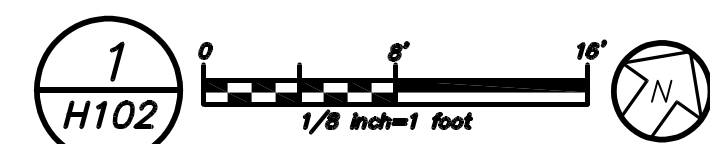
PROJECT YONKERS SCHOOL DISTRICT PS 29 BOILER REPLACEMENT HVAC UPGRADES & ASBESTOS ABATEMENT 47 CROFTON ROAD, YONKERS, N.Y. 10710	DRAWING TITLE BASEMENT PLAN (REMOVALS)
11-18-2022 10-21-2022 11-06-2020 06-01-2020 05-01-2020	BID ADDENDUM 2 BID 100% C.D. SUBMISSION 100% D.D. SUBMISSION 50% D.D. SUBMISSION
SHEET SIZE 30"x42"	DRAWING NO. H101
SCALE AS NOTED	FILE NO. 19359.00
DRAWN BY BGA	

PLOT DATE: November 18, 2022 - 11:43am

FILE: Y:\YONKERS PUBLIC SCHOOLS\YPS - School 29 - Ph 2 - Boilers, HVAC, Windows & Asbestos Abatement (2242.00)\Drawings\HVAC\224200H102.dwg
Y:\YONKERS PUBLIC SCHOOLS\YPS - School 29 - Ph 2 - Boilers, HVAC, Windows & Asbestos Abatement (2242.00)\Drawings\HVAC\224200H102.dwg November 18, 2022

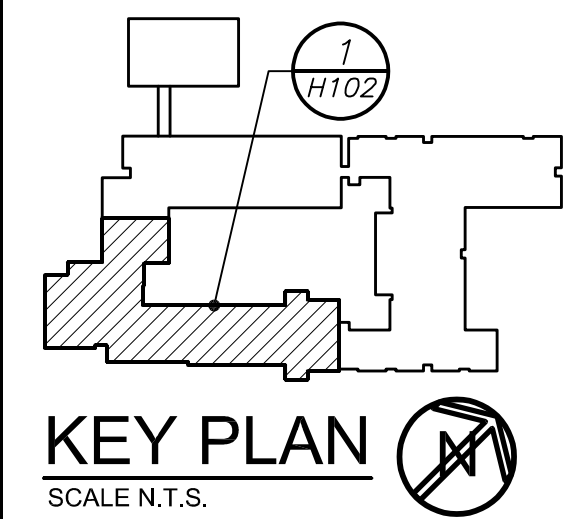


PART BASEMENT FLOOR PLAN
(REMOVALS AND NEW WORK)



CONDENSATE DRAIN NOTE:

EXISTING UNIT VENTILATOR CONDENSATE DRAIN PIPING MAINS IN CRAWL SPACE SHALL BE TESTED, INSPECTED, REPAIRED OF ANY LEAKS AND COMPLETELY RE-INSULATED. ONE EXISTING CONDENSATE PUMP LOCATED IN PIPE TUNNEL SHALL BE FIELD IDENTIFIED FOR SIZE AND CAPACITY AND REPLACED IN-KIND (BASE UNIT SIZE TO LITTLE GIANT MODEL VCL-24ULS)



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S.E.D. CONTROL NUMBER:
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YPS JOB # 10878

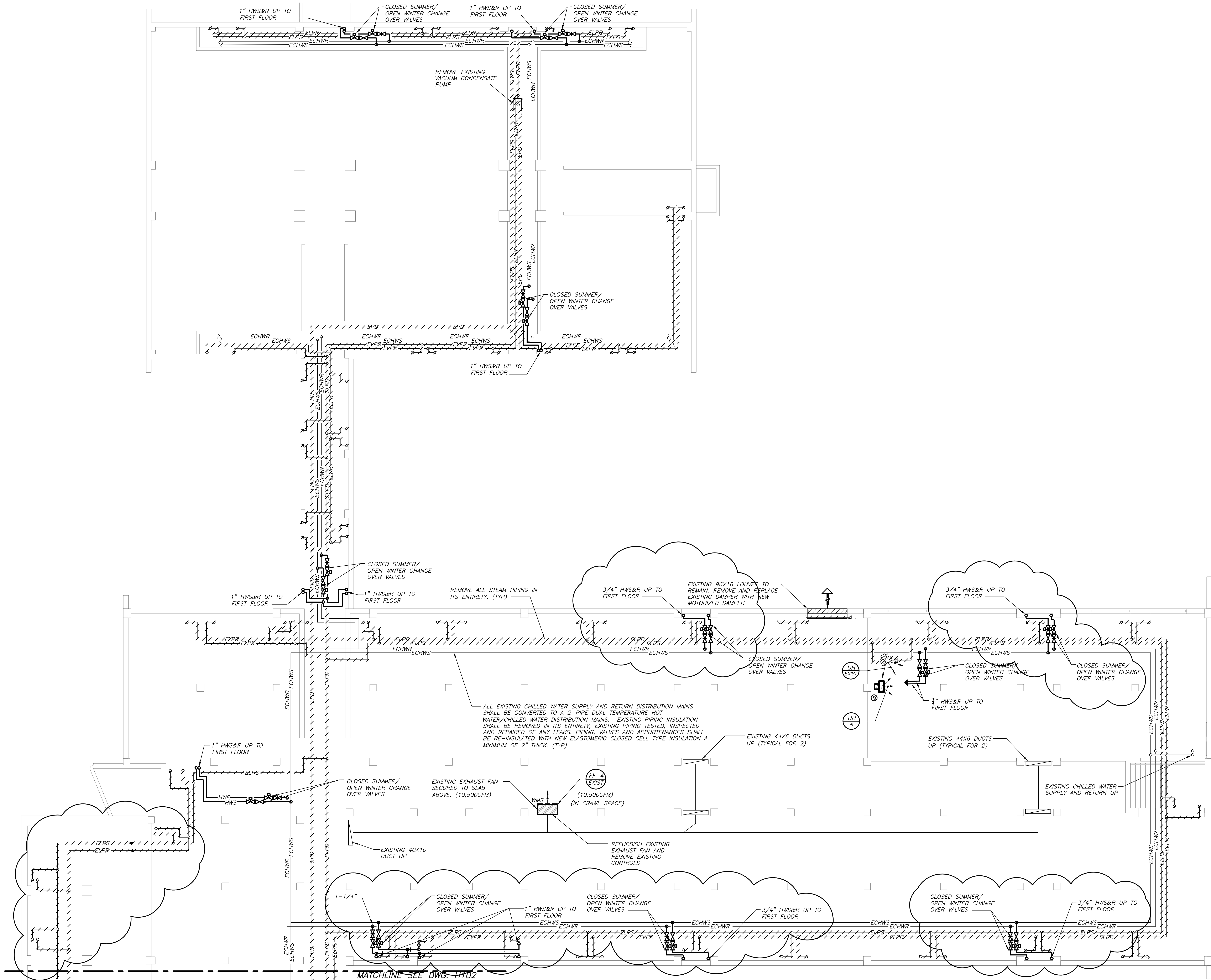
PROJECT: YONKERS SCHOOL DISTRICT
PS 29 BOILER REPLACEMENT HVAC UPGRADES & PART BASEMENT CRAWL SPACE AND PART BASEMENT FLOOR PLAN (REMOVALS AND NEW WORK)
47 CROFTON ROAD, YONKERS, NY 10710

11-18-2022	BID ADDENDUM 2
10-21-2022	BID
11-06-2020	100% C.D. SUBMISSION
06-01-2020	100% D.D. SUBMISSION
05-01-2020	50% D.D. SUBMISSION
DATE	ISSUED TO

SHEET SIZE: 30"x42"	DRAWING NO.:
SCALE: AS NOTED	H102
DRAWN BY: BGA	FILE NO.:
	19359.00

PLOT DATE: November 18, 2022 - 11:43am

FILE: Y:\YONKERS PUBLIC SCHOOLS\YPS - School 29 - Ph 2 - Boilers, HVAC, Windows & Asbestos Abatement (2242.00)\Drawings\HVAC\224200H103.dwg
Y:\YONKERS PUBLIC SCHOOLS\YPS - School 29 - Ph 2 - Boilers, HVAC, Windows & Asbestos Abatement (2242.00)\Drawings\HVAC\224200H103.dwg November 18, 2022

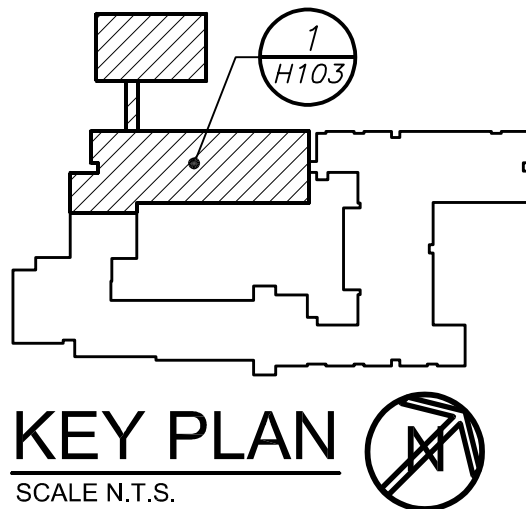


PART BASEMENT FLOOR PLAN
(REMOVALS AND NEW WORK)

1
H103
0 8' 16'
1/8" inch=1 foot

CONDENSATE DRAIN NOTE:

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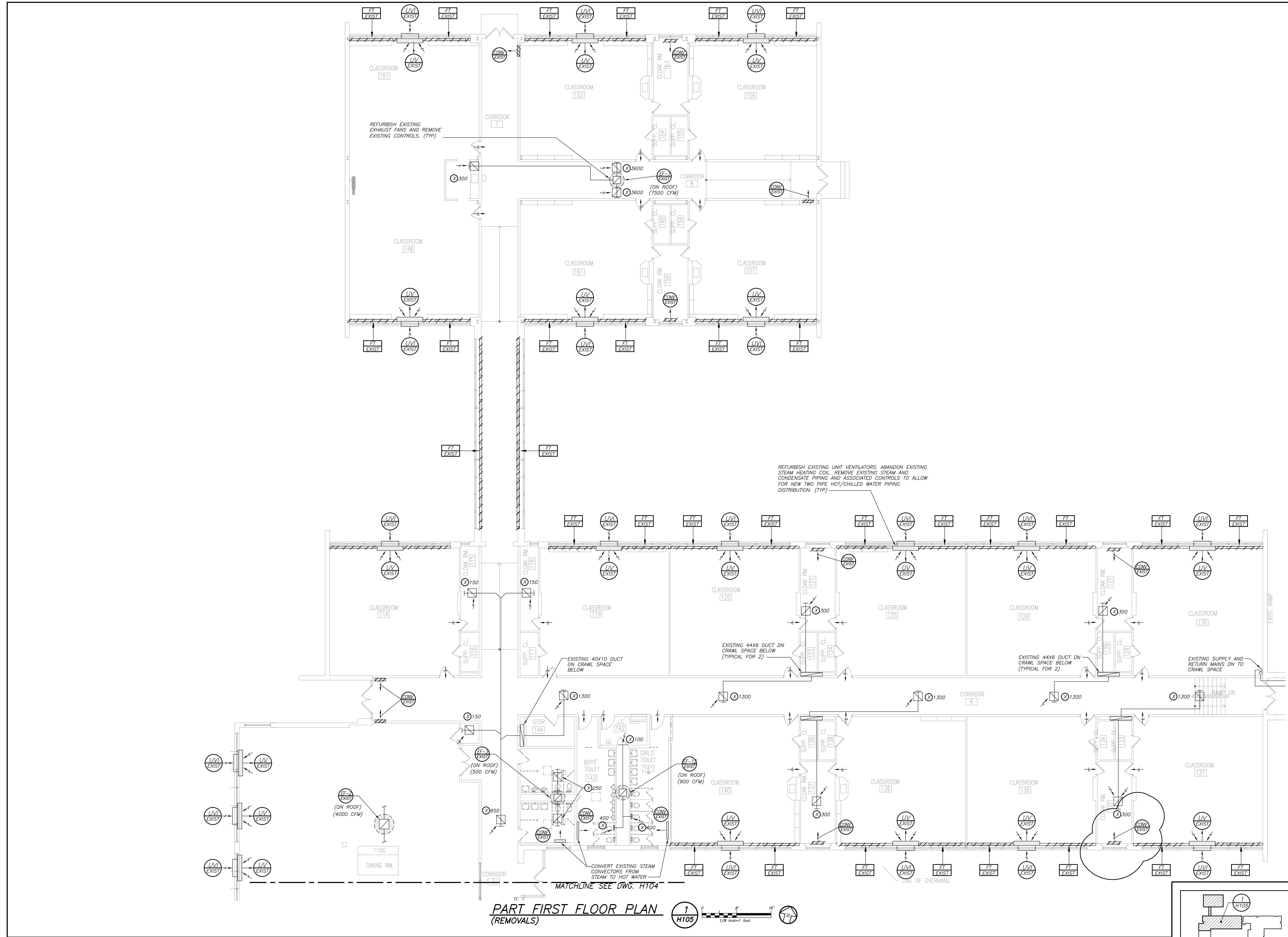
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YPS JOB # 10878

PROJECT: YONKERS SCHOOL DISTRICT PS 29 BOILER REPLACEMENT HVAC UPGRADES & ASBESTOS ABATEMENT 47 CROFTON ROAD, YONKERS, NY 10710	
DRAWING TITLE: PART BASEMENT CRAWL SPACE AND PART BASEMENT FLOOR PLAN (REMOVALS AND NEW WORK)	BID ADDENDUM 2
11-19-2022	BID
10-21-2022	100% C.D. SUBMISSION
11-06-2020	100% D.D. SUBMISSION
06-01-2020	50% D.D. SUBMISSION
05-01-2020	ISSUED TO
DATE	DRAWING NO.
SHEET SIZE: 30"x42"	H103
SCALE: AS NOTED	FILE NO. 19359.00
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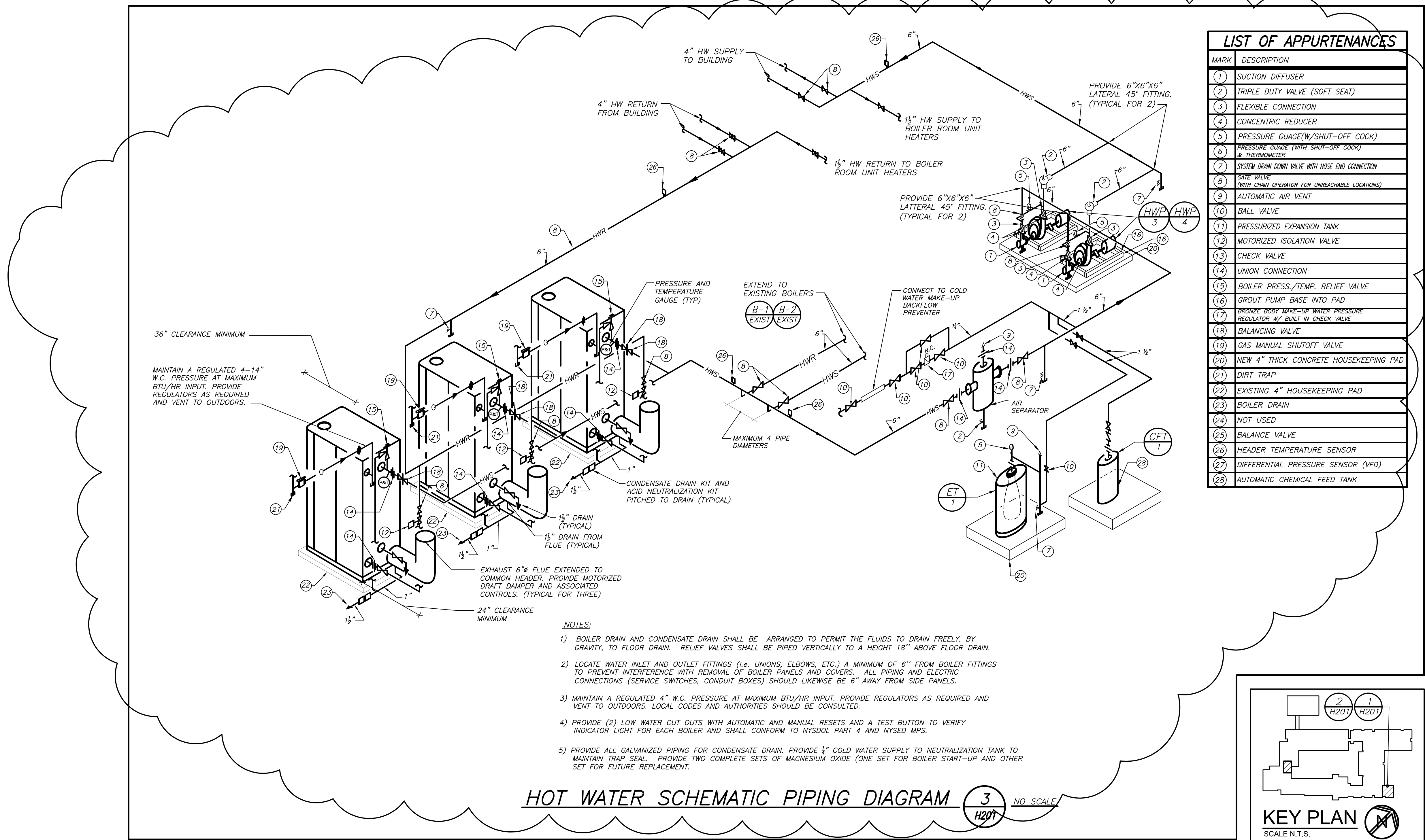
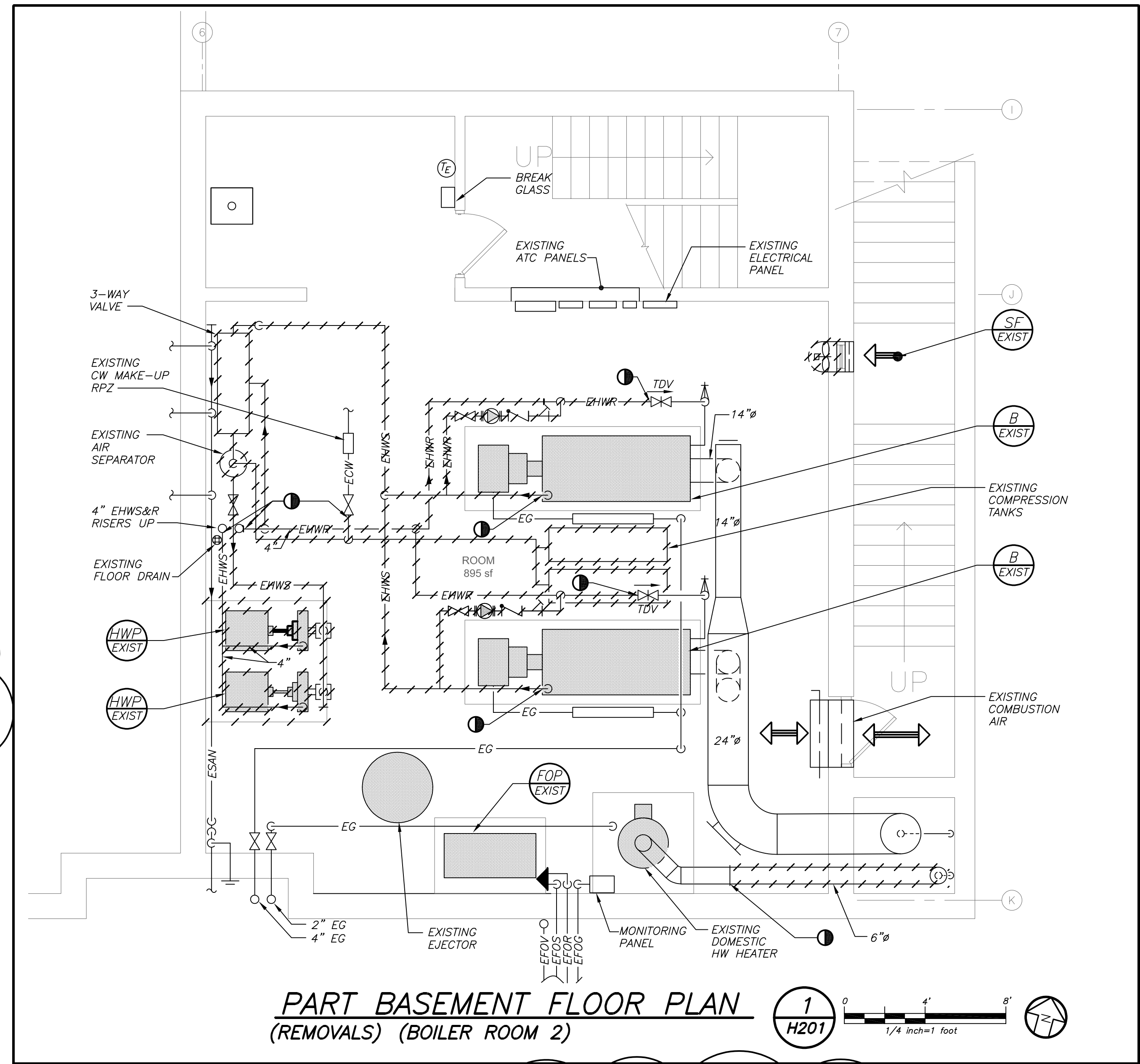
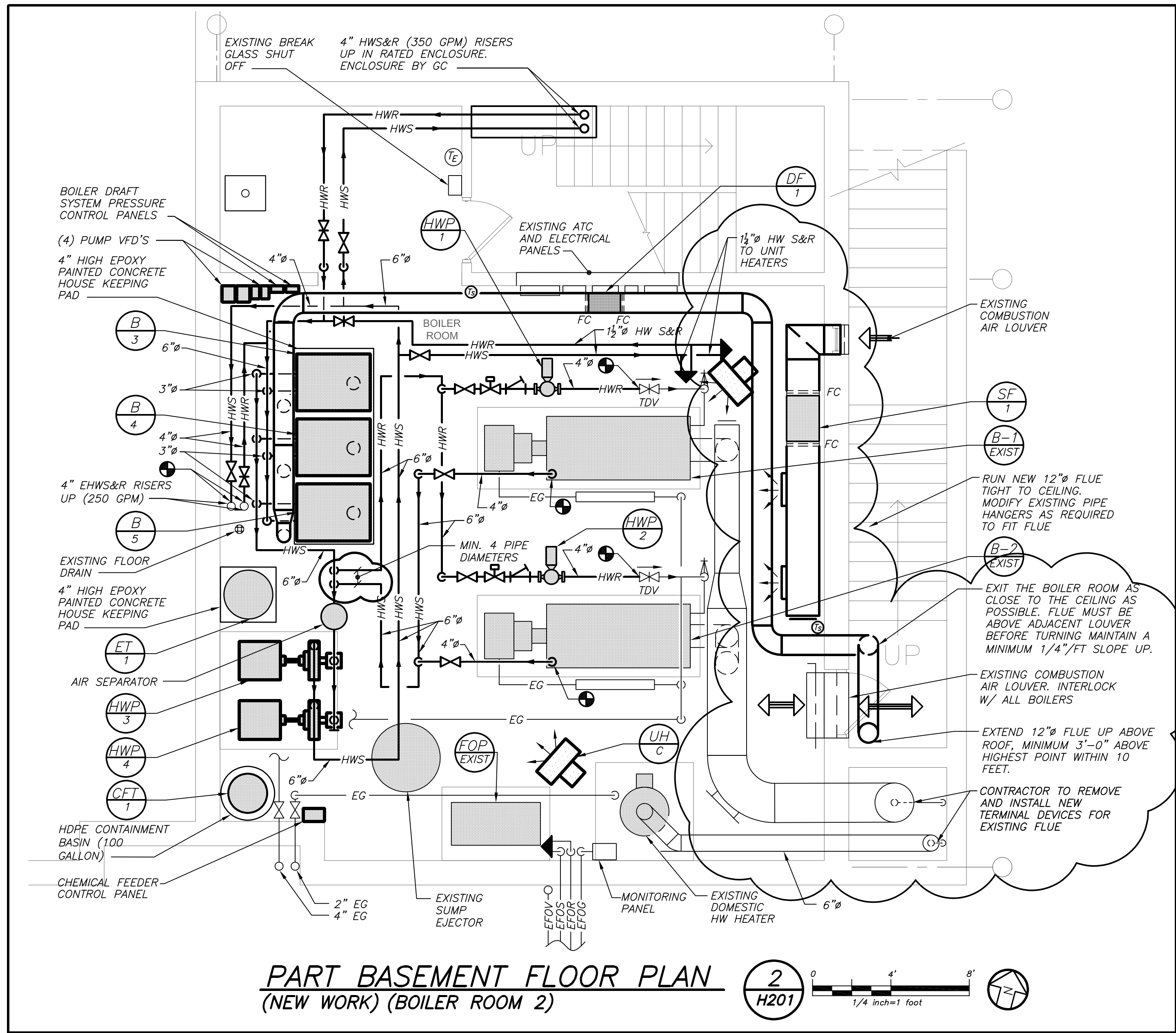
S.E.D. CONTROL NUMBER:
66-23-00-01-0-029-012

YPS JOB # 10878

PROJECT: YONKERS SCHOOL DISTRICT
PS-29 BOILER REPLACEMENT HVAC UPGRADES & WINDOW REPLACEMENT
47 CROFTON ROAD, YONKERS, N.Y. 10710

11-18-2022	BID ADDENDUM 2
10-21-2022	BID
11-06-2020	100% C.D. SUBMISSION
06-01-2020	100% D.D. SUBMISSION
05-01-2020	50% D.D. SUBMISSION
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SHEET SIZE 30"x42"	DRAWING NO. H105
SCALE AS NOTED	
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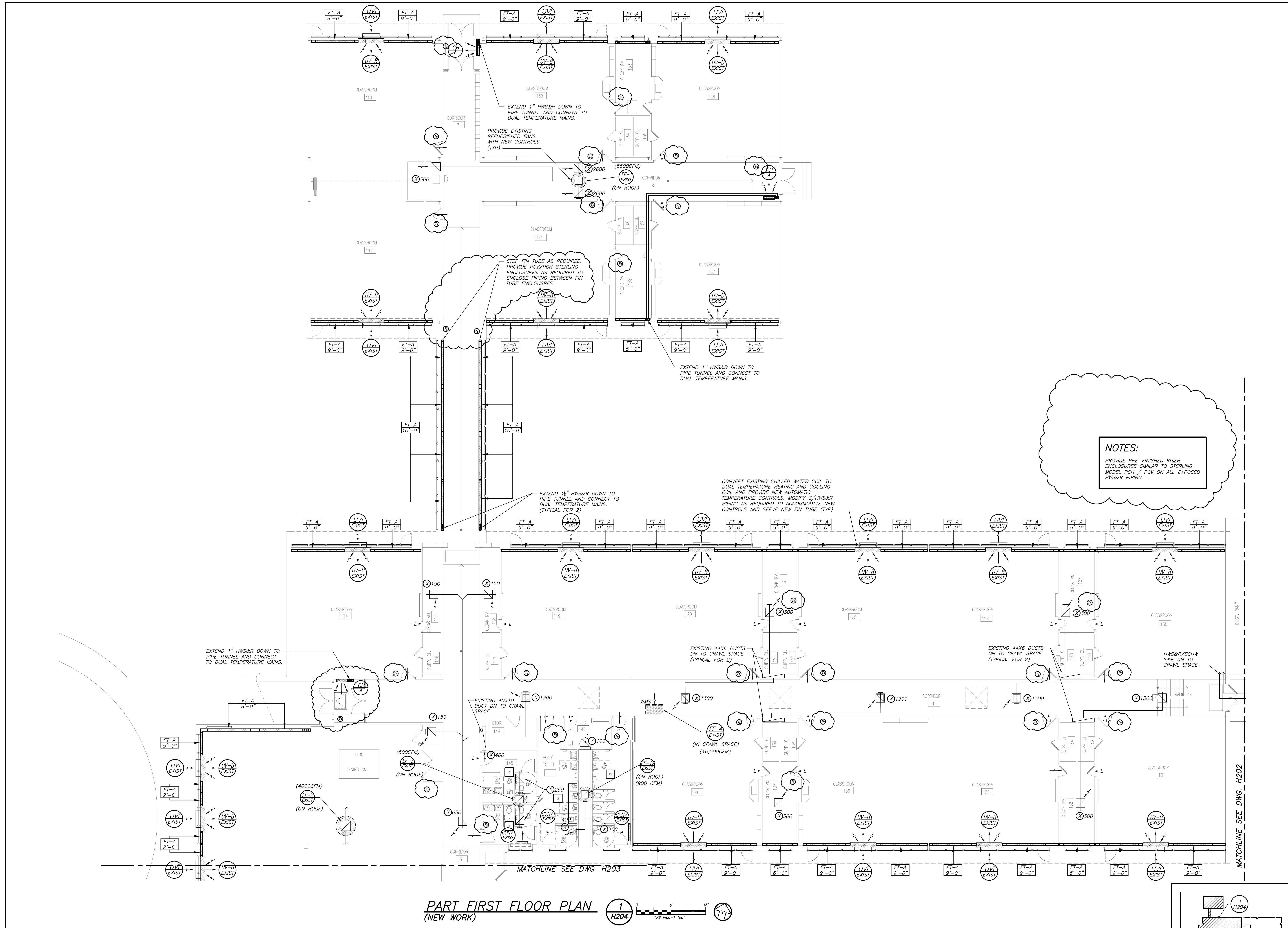
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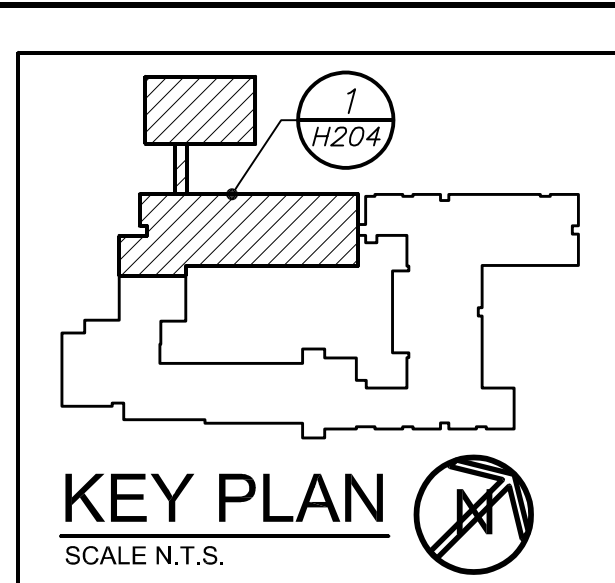
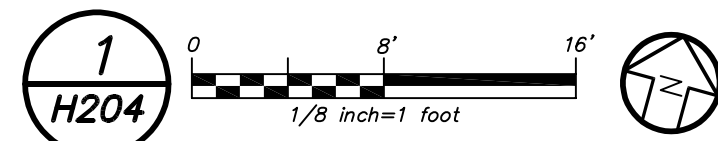
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66-23-00-01-0-029-012

YPS JOB # 10878

PROJECT: YONKERS SCHOOL DISTRICT PS 29 BOILER REPLACEMENT HVAC UPGRADES & PART BASEMENT PLANS AND HOT WATER SCHEMATIC (REMOVALS AND NEW WORK)	
DRAWING TITLE: PART BASEMENT PLANS AND HOT WATER SCHEMATIC (REMOVALS AND NEW WORK)	
DATE: 11-19-2022	BID ADDENDUM 2
DATE: 10-21-2022	BID
DATE: 11-06-2020	100% C.D. SUBMISSION
DATE: 06-01-2020	100% D.D. SUBMISSION
DATE: 05-01-2020	50% D.D. SUBMISSION
DATE: 05-01-2020	ISSUED TO
SHEET SIZE: 30"x42"	DRAWING NO. H201
SCALE: AS NOTED	
DRAWN BY: BGA	FILE NO. 19359.00



PART FIRST FLOOR PLAN
(NEW WORK)



NOTES:

PROVIDE PRE-FINISHED RISER ENCLOSURES SIMILAR TO STERLING MODEL RCH / PCV ON ALL EXPOSED HWS&R PIPING.

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YPS JOB # 10878

PROJECT:
YONKERS SCHOOL DISTRICT
PS 29 BOILER REPLACEMENT HVAC UPGRADES &
ASBESTOS ABATEMENT
47 CROFTON ROAD, YONKERS, N.Y. 10710
DRAWING TITLE:
PART FIRST FLOOR PLAN (NEW WORK)

11-18-2022	BID ADDENDUM 2
10-21-2022	BID
11-06-2020	100% C.D. SUBMISSION
06-01-2020	100% D.D. SUBMISSION
05-01-2020	50% D.D. SUBMISSION
DATE	ISSUED TO
SHEET SIZE: 30"x42"	DRAWING NO. H204
SCALE: AS NOTED	DRAWN BY BGA
FILE NO. 19359.00	

SCHEDULE OF EXISTING UNIT VENTILATORS															
MARK	MODEL No.	CFM	MIN. O.A. CFM	COOLING DATA		HEATING DATA			FILTER TYPE	MOTOR H.P.	ELEC. SERV.	MOTOR FLA	MCA	PHYSICAL DATA DIMENSION / WEIGHT	REMARKS
				TOTAL CAPACITY MBH	SENSIBLE CAPACITY MBH	CAPACITY MBH	GPM	ROWS							
Ⓐ	MAUV1000	1000	550	—	—	76	5	2	THROWAWAY (2)12"x20"x2"	0.5 EA208/1/60	4.7	—	44"x30"Wx115"H/600LBS	REFER TO ③	
Ⓑ	MAUV1500	1500	1000	—	—	76	5	2	THROWAWAY (2)12"x20"x2"	0.5 EA208/1/60	4.7	~7.7	44"x30"Wx115"H/600LBS	REFER TO ③	
Ⓒ	MAUH1000	1000	550	—	—	58	6	3	THROWAWAY	0.25 115/1/60	4.0	5.0	88"x22"Wx30"H/600LBS	REFER TO ③	
Ⓓ	MAUH1500	1500	1000	—	—	84	9	3	THROWAWAY	0.5 115/1/60	4.7	5.9	100"x22"Wx30"H/750LBS	REFER TO ③	
														REFER TO ③	
N O T E S	① AS MANUFACTURED BY "MAGIC AIRE CORP".														
	② BASED ON 160° F E.W.T., 140° F L.W.T.														
	③ EXISTING UNIT VENTILATORS SHALL BE REFURBISHED AND MODIFIED FOR TWO PIPE HEATING AND COOLING OPERATION. UNITS SHALL BE PROVIDED WITH NEW AUTOMATIC TEMPERATURE CONTROLS AND ASSOCIATED VALVES/EQUIPMENT. CLEAN DRAIN PAN OF ANY DEBRIS AND SNAKE OUT AND VERIFY CONDENSATE DRAIN LINES ARE DRAINING PROPERLY AND NOT LEAKING TO CRAWL SPACE BELOW. REPAIR AS NECESSARY.														

SCHEDULE OF HOT WATER FIN TUBE RADIATION										
MARK	MODEL No.	TIER #	CONNECTION SIZE	TYPE	FIN SIZE (IN.) (ALUMINUM)	FIN PER FOOT	ENCLOSURE DIMENSIONS DEPTH HEIGHT	MOUNTING HEIGHT (IN.)	BTU/LIN. FT.	REMARKS
Ⓐ	JVB-S20	①	1"	SLOPE TOPPED	4-1/4"W X 4-1/4"H	50	4-1/4"	20"	4"	1050
Ⓑ	JVB-S20	②	1"	SLOPE TOPPED	4-1/4"W X 4-1/4"H	50	4-1/4"	14	4"	1050
Ⓒ	RC-11	③	3/4"	—	72"W X 32"H X 2"D	—	—	—	—	700
Ⓓ	B	④	1"	—	4-1/4"W X 4-1/4"H	50	4-1/4"	—	4"	1050
NOTES										
① AS MANUFACTURED BY "STERLING".										
② AS MANUFACTURED BY "RUNTAL".										
③ INSTALL PER MANUFACTURER'S RECOMMENDATIONS.										
④ CAPACITIES BASED ON 150° F A.W.T. (HW).										
⑤ ENCLOSURE FINISH/COLOR AS APPROVED BY THE ARCHITECT.										
⑥ PROVIDE Z-TYPE CONNECTORS FOR WALL AND CEILING MOUNTING LOCATIONS										
⑦ AUTO CONTROL VALVE BY HVAC CONTRACTOR.										
⑧ PROVIDE MODEL PCH&PCV PIPE ENCLOSURES ON HWS&R PIPING.										

SCHEDULE OF REGISTERS AND DIFFUSERS							
MARK	TYPE	SERVICE	MODEL No. ①	DIRECTION DISCHARGE	DAMPER TYPE	FINISH	REMARKS
Ⓐ	CEILING DIFFUSER	SUPPLY	DP/DM	4-WAY	OPPOSED BLADE	PER ARCH.	REFER TO ② ④ ⑤ ⑥ ⑦
Ⓑ	CEILING GRILLE	RETURN	AC-30/L/45	—	—	PER ARCH.	REFER TO ② ③ ⑤ ⑥ ⑦
Ⓒ	TOP WALL REGISTER	SUPPLY	ECO-20	—	OPPOSED BLADE	PER ARCH.	REFER TO ② ④ ⑤ ⑥ ⑦
Ⓓ	TOP WALL REGISTER	RETURN	30/L/45	—	OPPOSED BLADE	PER ARCH.	REFER TO ② ③ ⑤ ⑥ ⑦
NOTES							
① AS MANUFACTURED BY "ANEMOSTAT".							
② INSTALL PER MANUFACTURERS RECOMMENDATIONS.							
③ BARS SET @ 45° DEGREES DEFLECTION WITH 3/4" BLADE SPACING.							
④ PROVIDE SQUARE TO ROUND ADAPTER, EQUALIZING GRID AND OPPOSED BLADE DAMPER							
⑤ COORDINATE COLOR, TRIM TYPE AND FINISHES WITH ARCHITECT.							
⑥ PROVIDE CABLE OPERATED DAMPER IN ALL INACCESSIBLE AREAS							
⑦ SUPPLY NECK SIZE PER CFM RANGE (NOT TO EXCEED 500 fpm)							
⑧ RETURN NECK SIZE PER CFM RANGE (NOT TO EXCEED 675 fpm)							
50 TO 59	100 TO 129	300 TO 359	500 TO 599	800 TO 899	1200 TO 1499	1500 TO 1999	2000 TO 2399
6x6	9x9	12x12	15x15	18x18	21x21	24x24	26x26
50 TO 59	100 TO 129	300 TO 359	500 TO 599	800 TO 899	1200 TO 1499	1500 TO 1999	2000 TO 2399
6x6	9x9	12x12	15x15	18x18	21x21	24x24	26x26

SCHEDULE OF UNIT HEATER								
MARK	MODEL No. ①	CAPACITY DATA			MOTOR WATTS	ELECTRIC SERVICE	PHYSICAL DATA	
		BTU/HR	LWT °F	LWT °F			LxWxH	WEIGHT (LBS)
Ⓐ	HS-24	17,400	160	140	2.0	16	120/1/60	15X10X18
Ⓑ	HS-36	26,000	160	140	3.0	25	120/1/60	15X10X18
Ⓒ	HS-144	104,000	160	140	10.4	1/3HP	120/1/60	24X14X26
NOTES								
① AS MANUFACTURED BY "STERLING".								
② INSTALL PER MANUFACTURER'S RECOMMENDATIONS								
③ 350 CFM @1350 RPM (UH-A&B), 2200 CFM @1140 RPM (UH-C).								
④ QUANTITIES AS IDENTIFIED ON HVAC DRAWINGS.								
⑤ PROVIDE MODEL PCH&PCV PIPE ENCLOSURES ON HWS&R PIPING.								

SCHEDULE OF CABINET HEATERS											
MARK	TYPE UNIT	MODEL N ^o ①	CAPACITY DATA ②			MOTOR WATTS	MOTOR RPM	ELECTRIC SERVICE	PHYSICAL DATA		REMARKS
			BTU/HR	CFM	GPM				TD.FT.	LxWxH (IN)	
Ⓐ	FLOOR MTD.	FS1005-02	22,700	225	3.0	0.73	70	1100	120/1/60	125	REFER TO 2 2 3 4 5
Ⓑ	FLOOR MTD.	RS1005-04	36,300	420	3.0	5.9	90	1100	120/1/60	125	REFER TO 2 2 3 4 5
Ⓒ	RECESSED CLG. MTD.	RC1200-02	22,700	225	3.0	0.73	70	1100	120/1/60	125	REFER TO 2 2 3 4 5
NOTES	① AS MANUFACTURED BY "STERLING".										
	② INSTALL PER MANUFACTURER'S RECOMMENDATIONS										
	③ CAPACITIES BASED ON HIGH SPEED FAN SETTING, AND 150° A.W.T.										
	④ PROVIDE THROWAWAY FILTERS, DISCONNECT SWITCH, TWO ROW COIL, RECESSED TRIM AND SEALS.										
	⑤ PROVIDE MODEL PCH&PCV PIPE ENCLOSURES ON HWS&R PIPING.										

SCHEDULE OF EXPANSION TANK				
MARK	MODEL No. ①	TANK VOLUME GALS.	ACCEPTANCE VOLUME GALS.	REMARKS
Ⓐ	B-600	80	158	REFER TO ② ③
NOTES				
① AS MANUFACTURED BY "BELL & GOSSETT".				
② INSTALL PER MANUFACTURER'S RECOMMENDATIONS.				
③ VERTICAL MOUNTING 125PSI ASME TANK, DIMENSIONS 30"x64"H / 1900LBS.				

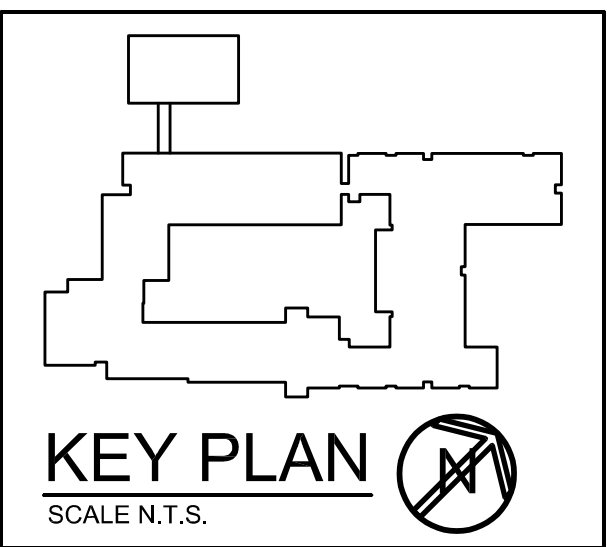
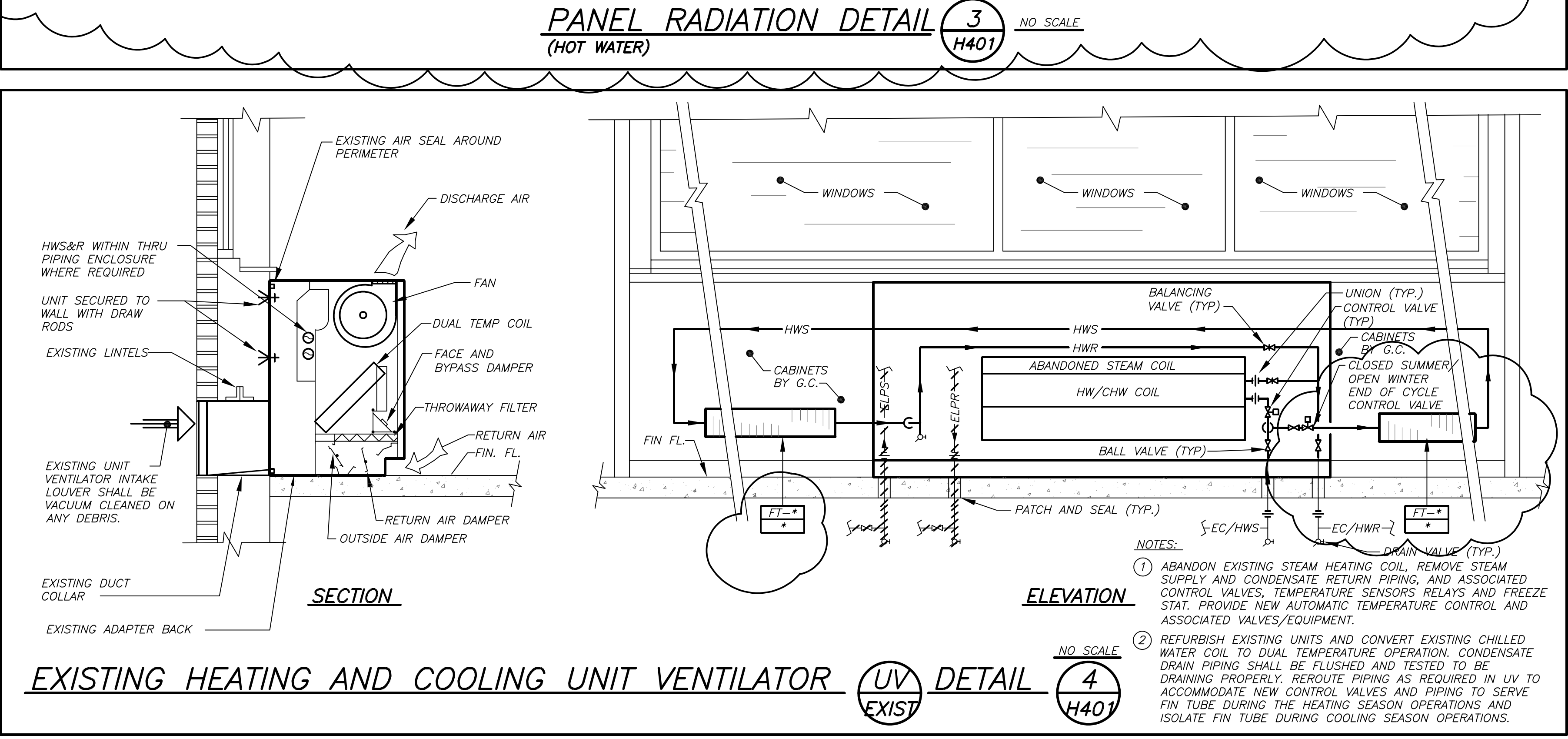
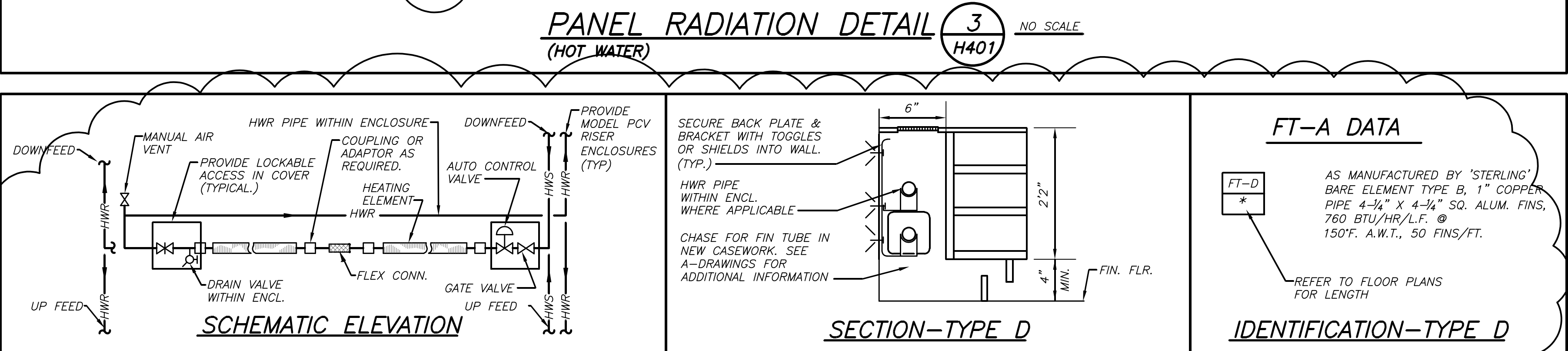
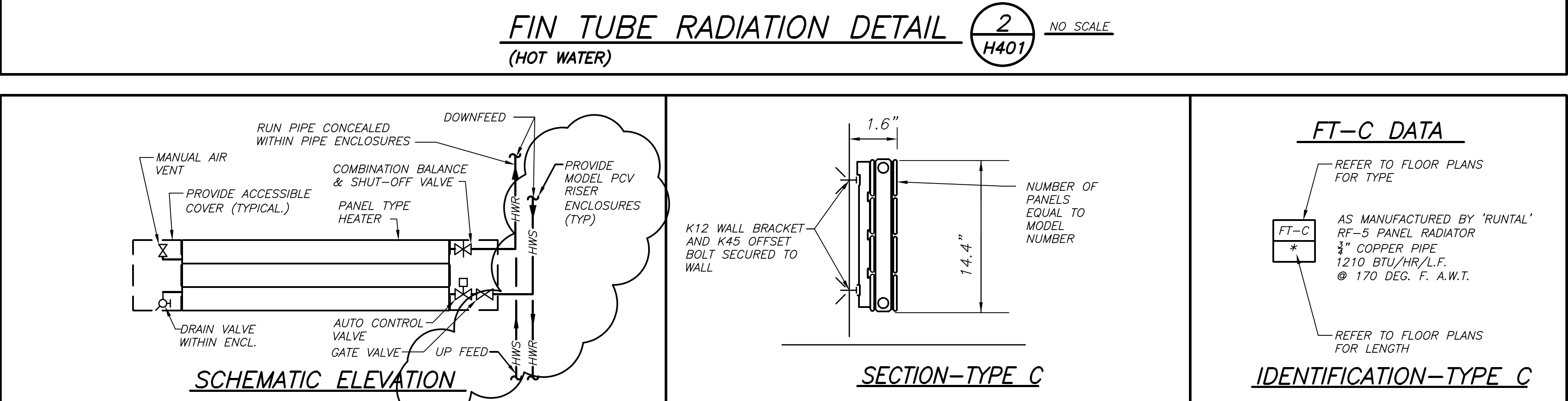
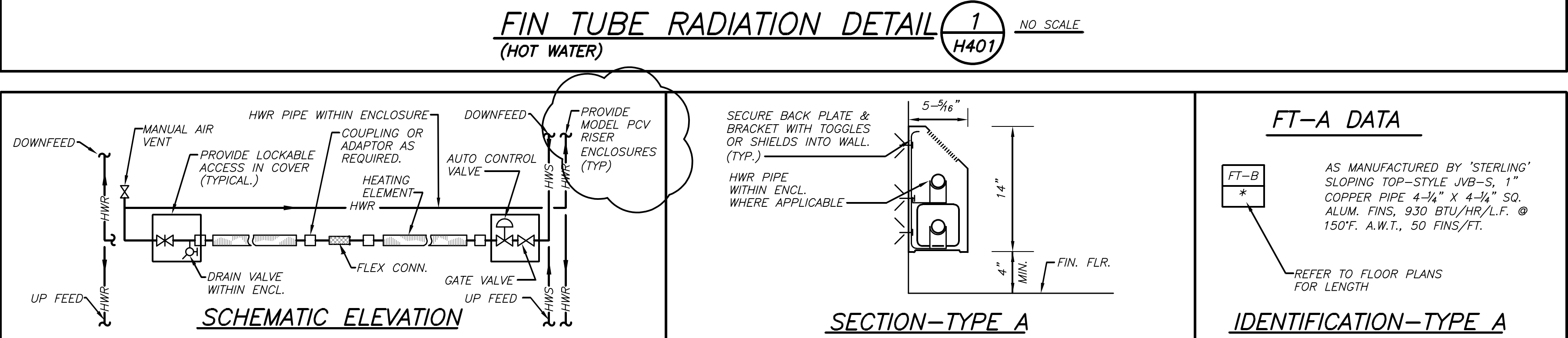
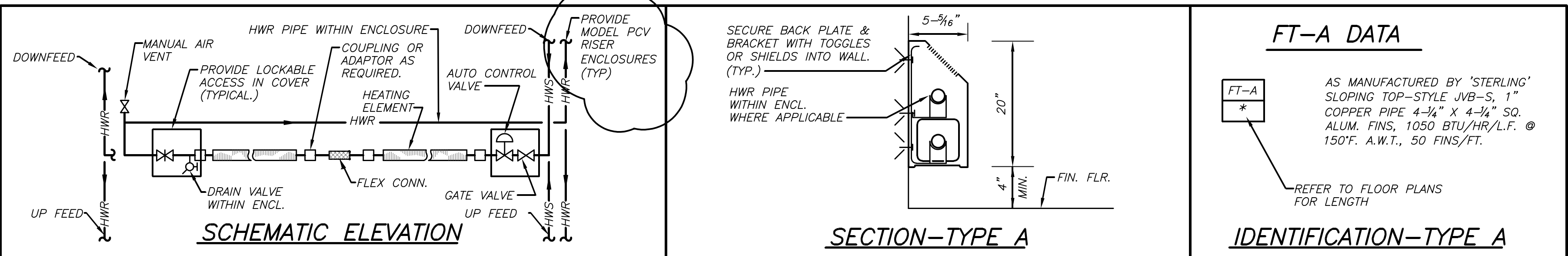
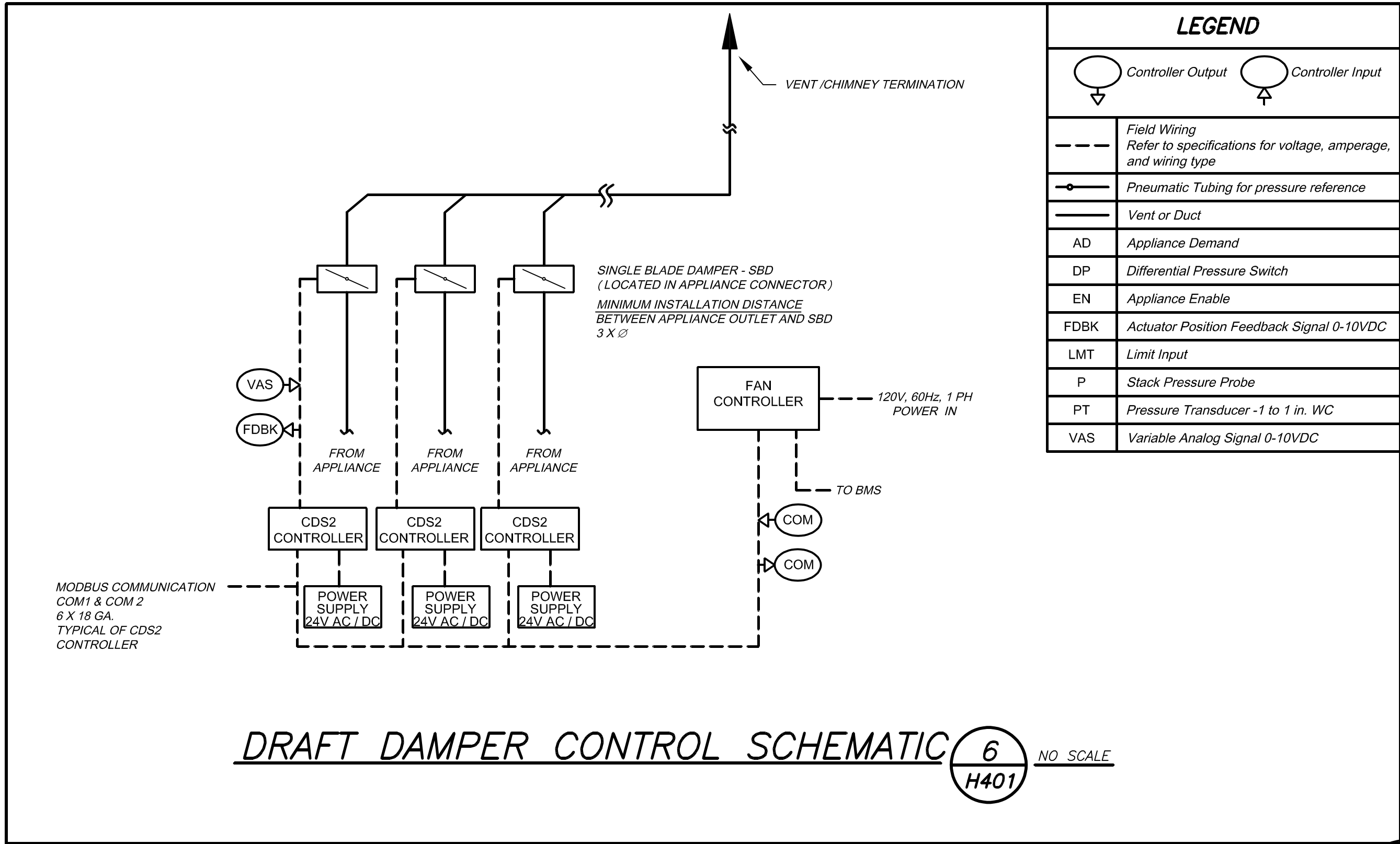
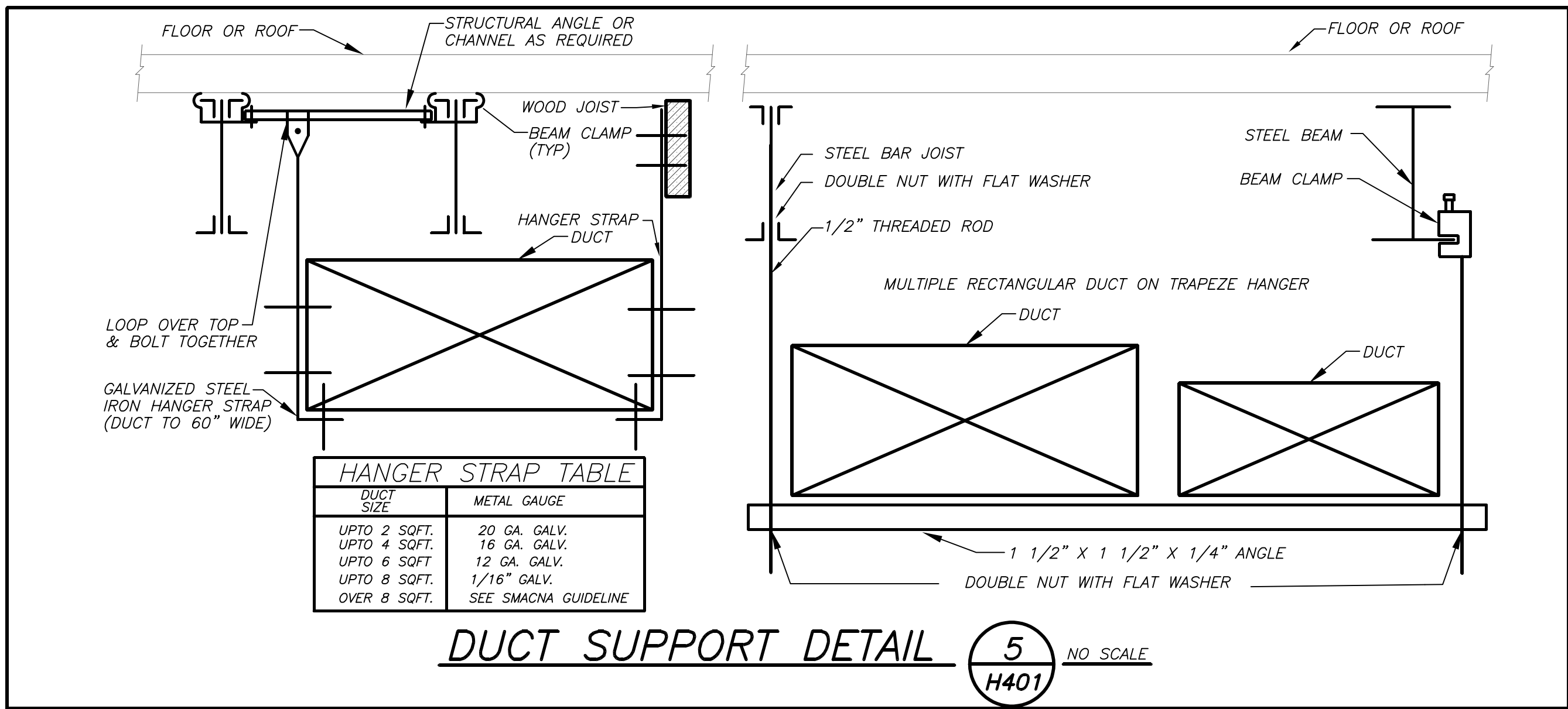
SCHEDULE OF BOILERS						
BOILER DATA			BURNER DATA		ELECTRICAL	REMARKS
MARK	LOCATION	MODEL No. ①	INPUT (MBH)	OUTPUT (MBH)	FUEL	
Ⓐ	BOILER ROOM	ENDURA EDR-1000	1000	924	GAS	120/1/60
NOTES						
① AS MANUFACTURED BY "TULON".						
② BURNER INTEGRAL TO BOILER. HOT WATER BASED ON 140° F E.W.T., 160° F L.W.T.						
③ PROVIDE MANUFACTURER RECOMMENDED COMBUSTION AIR INTAKE AND EXHAUST VENT PIPING, VENT PIPE CONDENSATE DRAIN, HIGH/LOW LIMIT CONTROL, DUAL LOW WATER CUT OFFS, OUTDOOR AIR TEMPERATURE SENSOR KIT, MULTIPLE BOILER CONDENSATE NEUTRALIZER PACKAGE.						
④ BOILER INSTALLATION SHALL CONFORM TO ALL REQUIREMENTS OF INSURANCE UNDERWRITERS, NFPA AND ALL AUTHORITIES HAVING JURISDICTION. BOILERS SHALL BE FULLY FIELD COMMISSIONED BY AUTHORIZED TECHNICIAN FOR THE TYPE OF GAS FIRED (LPG OR NG). IF THE TYPE OF GAS IS CHANGED AFTER STARTUP THE BOILERS SHALL BE FULLY RE-COMMISSIONED BY AUTHORIZED TECHNICIAN.						
⑤ PROVIDE MANUFACTURER RECOMMENDED COMBUSTION AIR INTAKE AND EXHAUST VENT PIPING, VENT PIPE CONDENSATE DRAIN, HIGH/LOW LIMIT CONTROL, DUAL LOW WATER CUT OFFS, OUTDOOR AIR TEMPERATURE SENSOR KIT, MULTIPLE BOILER CONDENSATE NEUTRALIZER PACKAGE.						
⑥ BOILER WEIGHT 1900 LBS : DIMENSIONS 28"W X 50"L X 68"H						

SCHEDULE OF PUMPS									
MARK	SERVICE	LOCATION	MODEL No. ①	GPM	HEAD FT. H ₂ O	RPM	MOTOR HP	ELECTRIC SERVICE	PHYSICAL DATA LxWxH (IN) WEIGHT (LBS)
Ⓐ	MECHANICAL	MECHANICAL	SERIES 80 3K3K7C	200	40	1800	5.0	208/3/60	19X12X28
Ⓑ	HEATING LOOP	MECHANICAL	SERIES E-1510 4GC	600	100	1800	25	208/3/60	52X24X26
Ⓒ	HEATING LOOP								
NOTES									
① AS MANUFACTURED BY "BELL & GOSSETT".									
② INSTALL PUMPS PER MANUFACTURER'S RECOMMENDATIONS.									
③ PROVIDE ALL PUMPS WITH WALL OR FLOOR MOUNTED VFD'S.									

SCHEDULE OF CHEMICAL FEED TANK						
MARK	MODEL No. ①	TANK VOLUME GALS.	PUMP GPM @ 50PSIG	ELECTRICAL DATA SERVICE AMPS	PHYSICAL DATA (IN) WEIGHT (LBS)	REMARKS
Ⓐ	SF-100-D-P	55	1.0	120/1/60	0.7	24"X 50" H
NOTES						
① AS MANUFACTURED BY "AXIOM INDUSTRIES".						
② INSTALL PER MANUFACTURER'S RECOMMENDATIONS.						
③ PROVIDE INTEGRAL DUPLEX PUMPS, INLET STRAINER, CHECK VALVE, THERMAL CUTOFF SWITCH, PRESSURE SWITCH, PRE-CHARGED ACCUMULATOR TANK WITH EPDM DIAPHRAGM, DIVERTER VALVE, ADJUSTABLE PRESSURE REGULATING VALVE, FLEXIBLE HOSE CONNECTOR KIT, FIELD MOUNTED LOW LEVEL ALARMING ALARM CONTROL PANEL, MONITORING DRY CONTACTS AND SF100 CONTAINMENT TANK.						

SCHEDULE OF EXISTING AIR HANDLING UNITS									
GENERAL DATA			SUPPLY FAN DATA			HEATING DATA		FILTER DATA	
MARK	SERVICE	MODEL No. ①	MIN. O.A. CFM	MAX. O.A. CFM	EXT. S.P. IN. H ₂ O	TOTAL BTU/HR.	QTY. & SIZE	QTY. & SIZE	REMARKS
Ⓐ	GYM	39L08	1500	3,000	0.5	308/3/60	357,000	36	REFER TO ② ③ ④
Ⓑ	GYM	39L08	1500	3,000	0.5	308/3/60	357,000	36	REFER TO ② ③ ④
NOTES									
① AS MANUFACTURED BY "CARRIER CORP.". ② CLEAN REFURBISH, AND REBALANCE EXISTING HORIZONTAL AIR HANDLING UNITS TO SPECIFIED PERFORMANCE. EXISTING STEAM COIL SECTION SHALL BE FULLY CLEANED AND ABANDONED. EXISTING CHILLED WATER COIL SHALL BE CONVERTER TO DUAL TEMPERATURE USE. PROVIDE NEW AUTOMATIC TEMPERATURE CONTROLS AND ASSOCIATE VALVES/EQUIPMENT. REPLACE AIR FILTERS WITH MERV 13 TYPE.									
③ INSTALL PER MANUFACTURERS RECOMMENDATIONS.									
④ HEATING CAPACITY BASED ON 160° EWT AND 140° LWT. DESIGN AIR CONDITIONS: SUMMER: OA (94°/75°) RA (77°/65°), OA (57°/37°) RA (70°/58°).									

SCHEDULE OF FANS										
MARK	SERVICE	LOCATION	TYPE	MODEL No.	CFM	EXT. S.P. IN. H ₂ O	RPM	HP (WATTS)	ELECTRIC SERVICE	PHYSICAL DATA L



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S.E.D. CONTROL NUMBER:
66-23-00-01-0-029-012

YPS JOB # 10878

PROJECT: YONKERS SCHOOL DISTRICT
PE-29: BOILER REPLACEMENT HVAC UPGRADES & ASBESTOS ABATEMENT
47 CROFTON ROAD, YONKERS, NY 10710

DRAWING TITLE: DETAILS

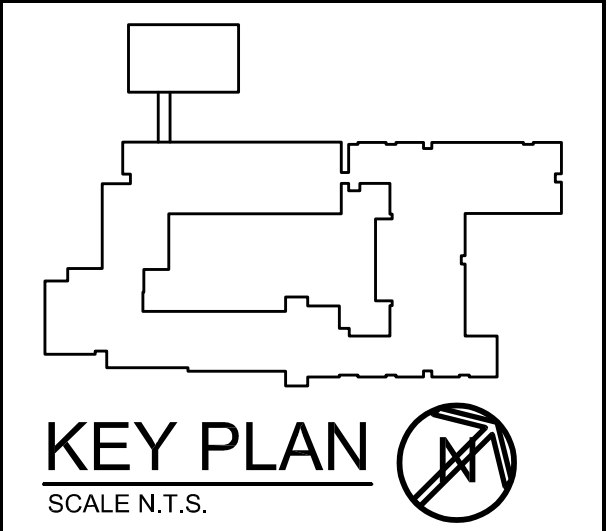
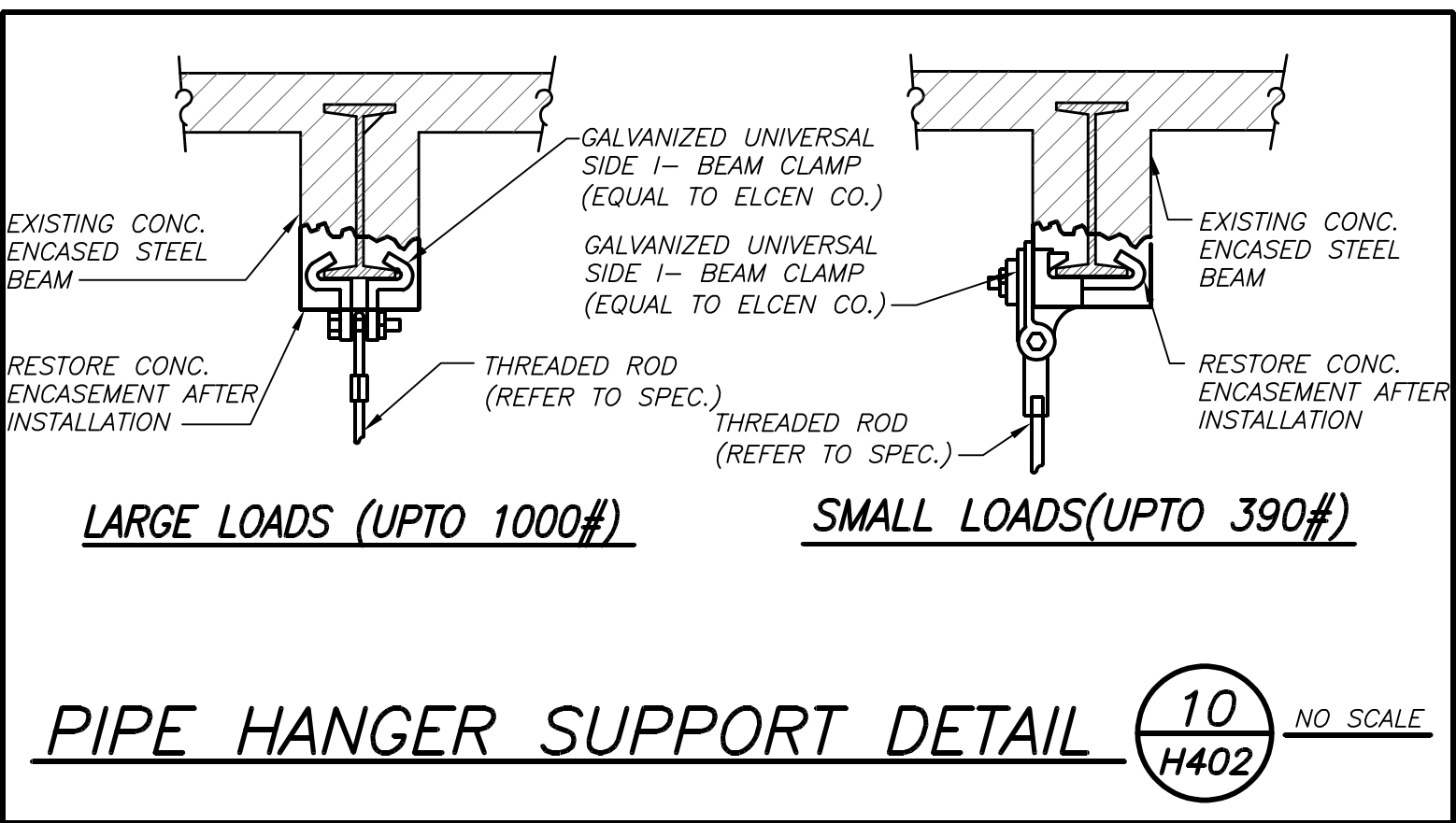
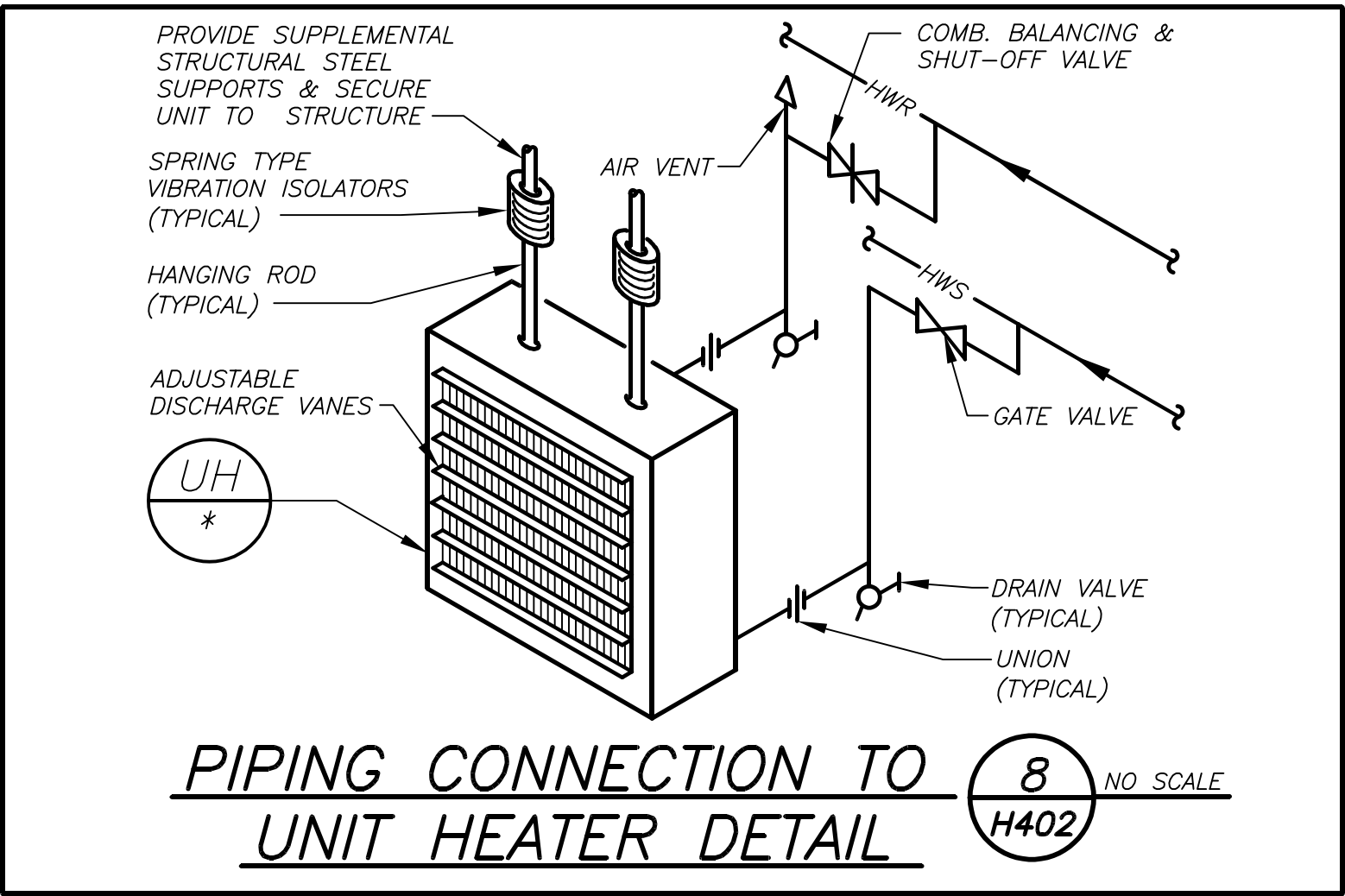
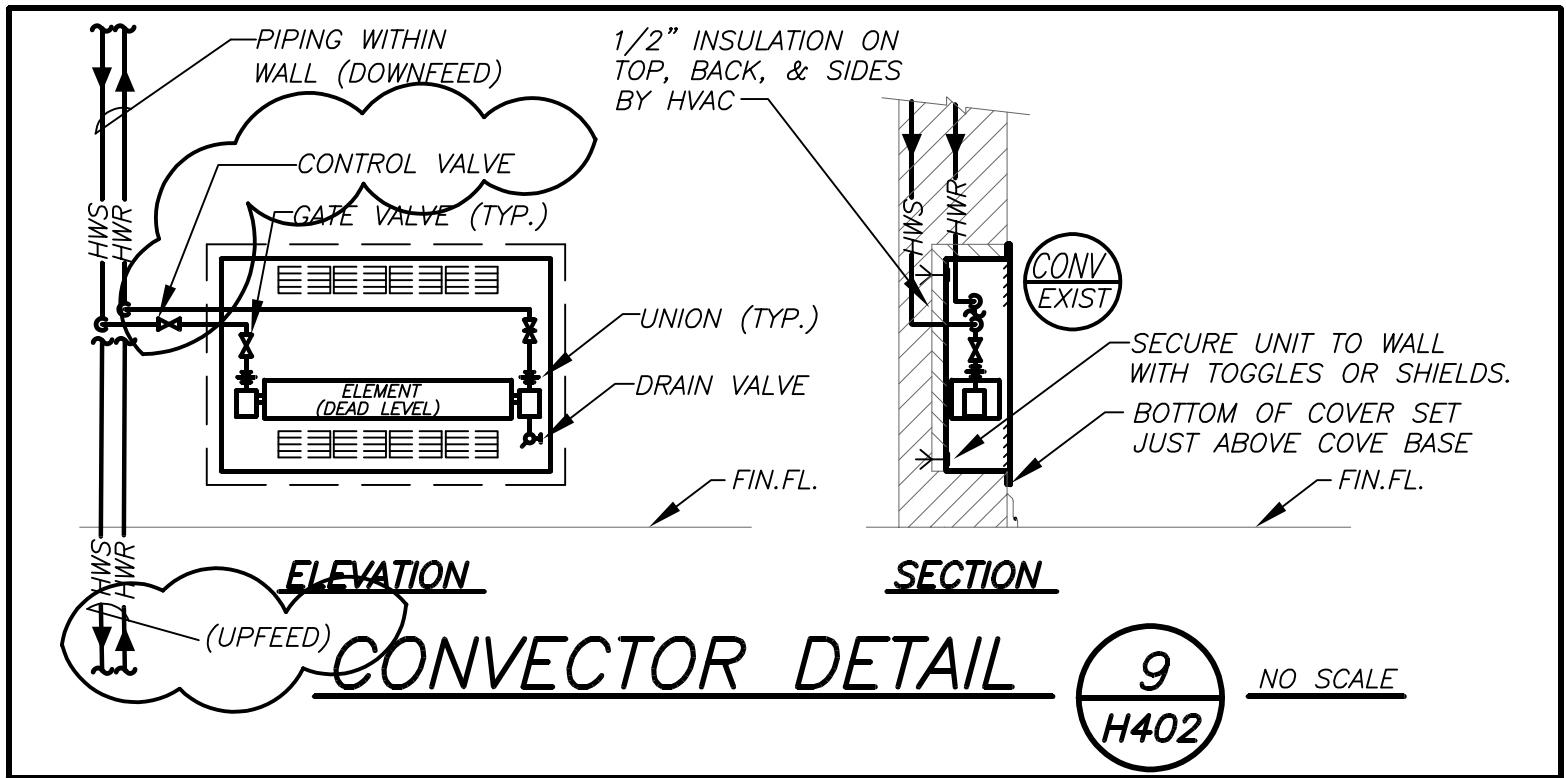
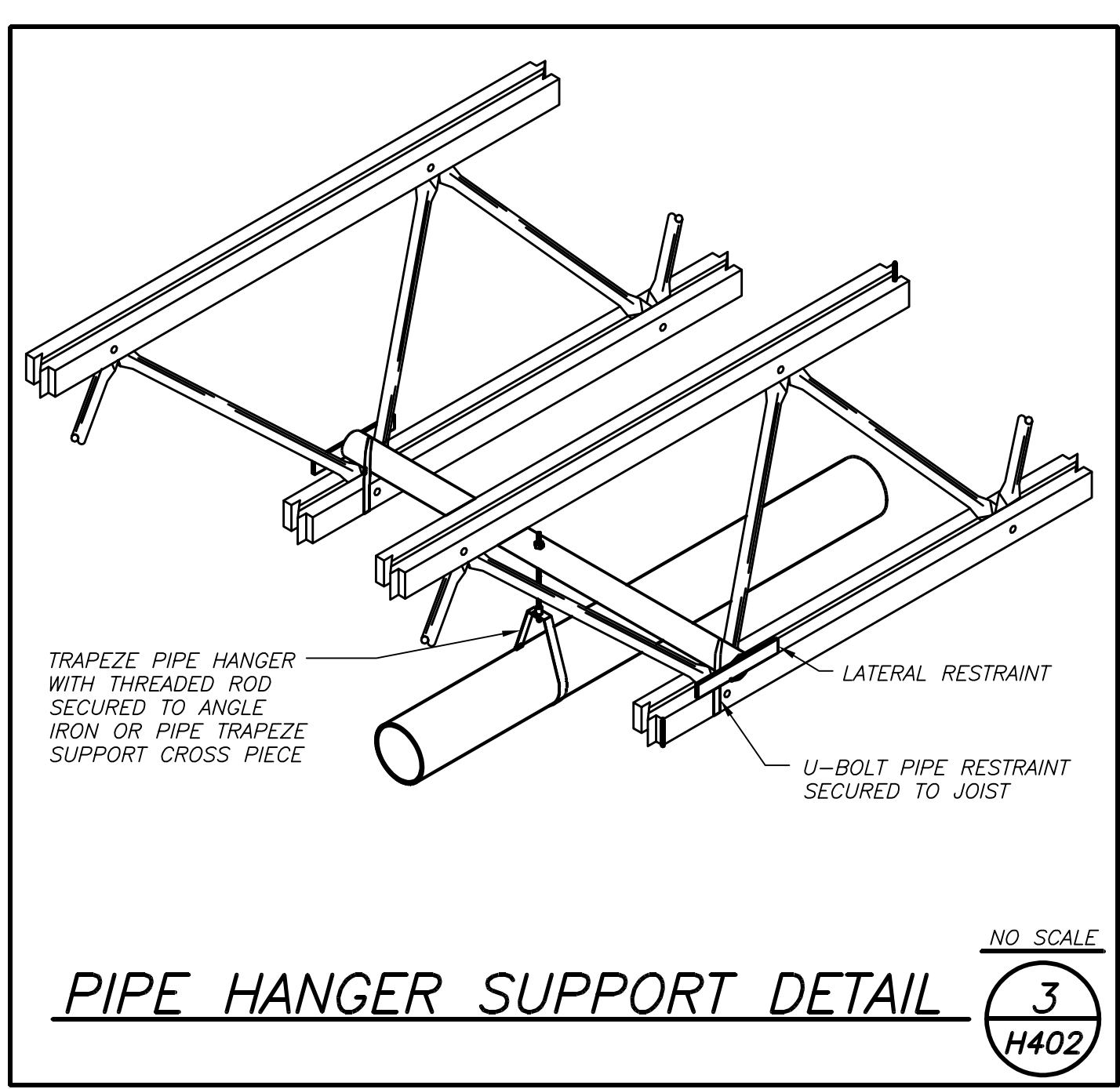
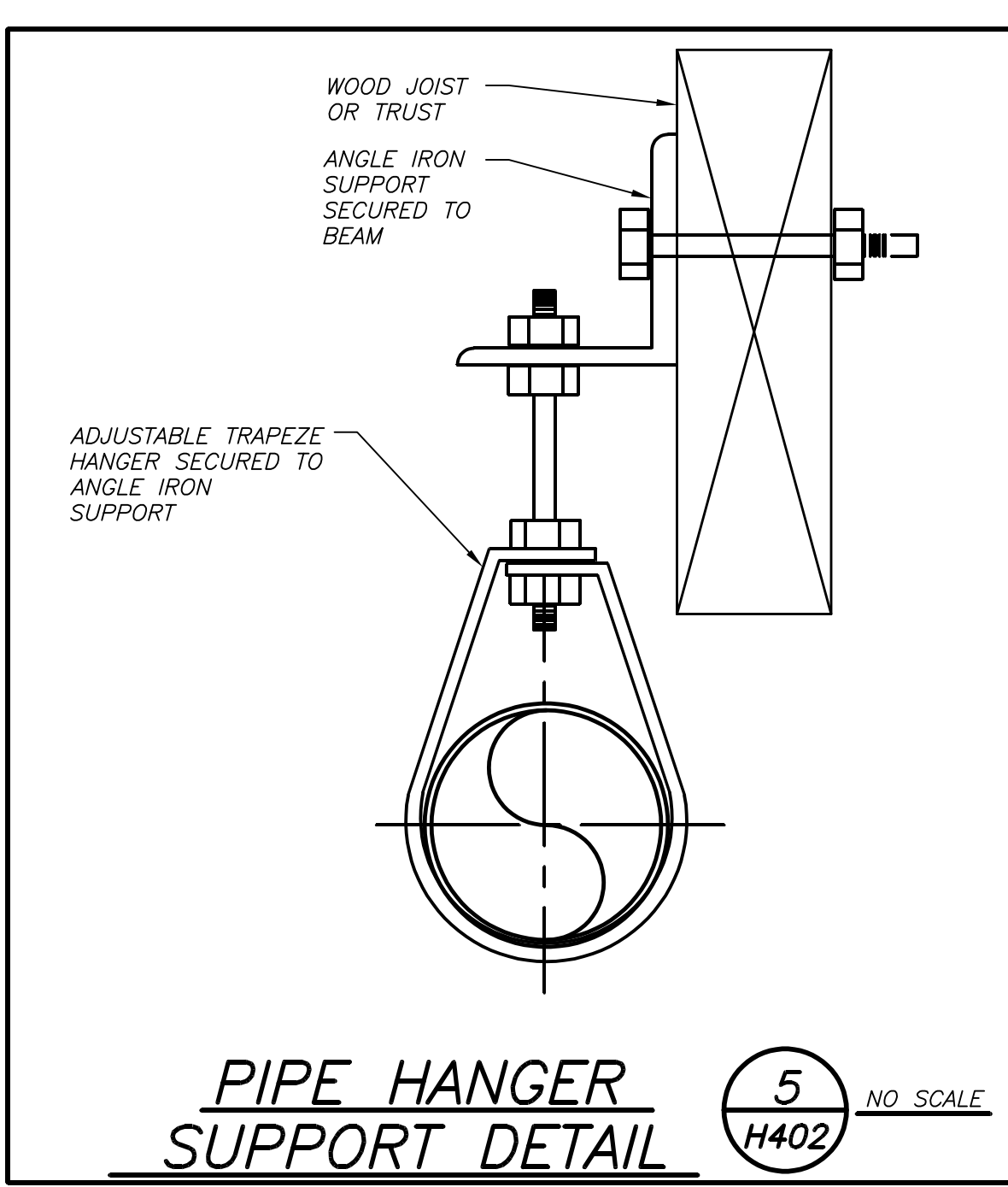
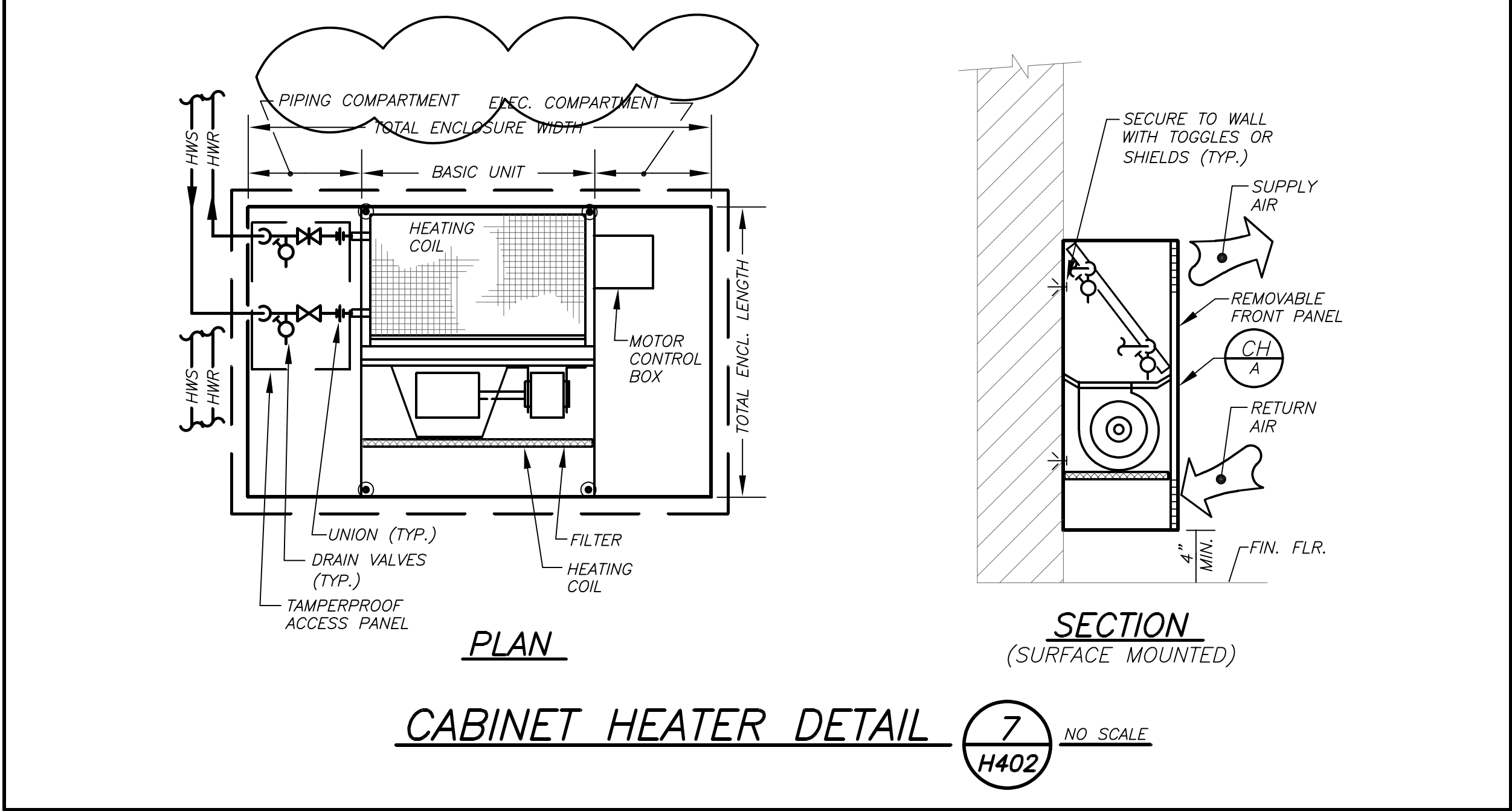
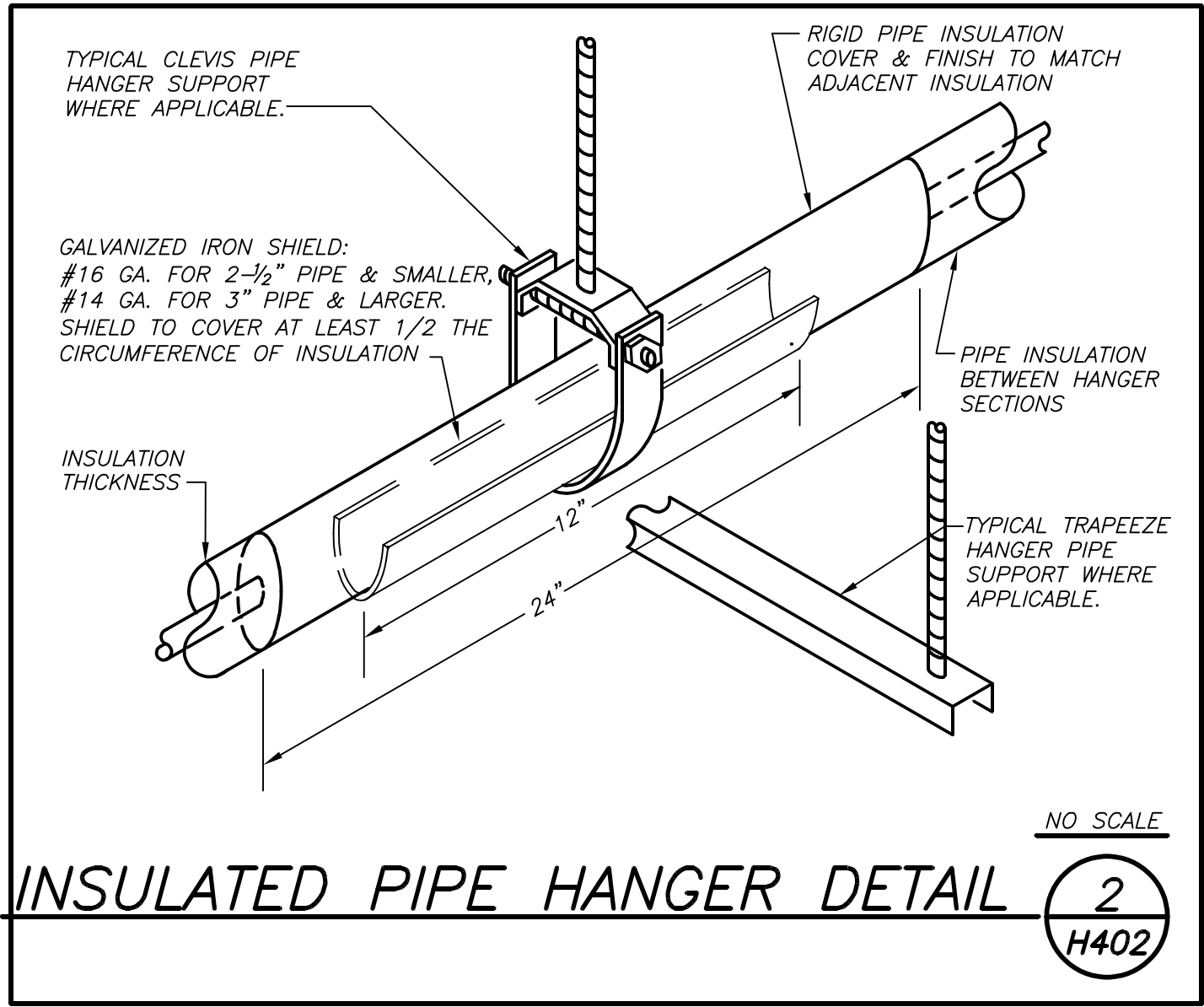
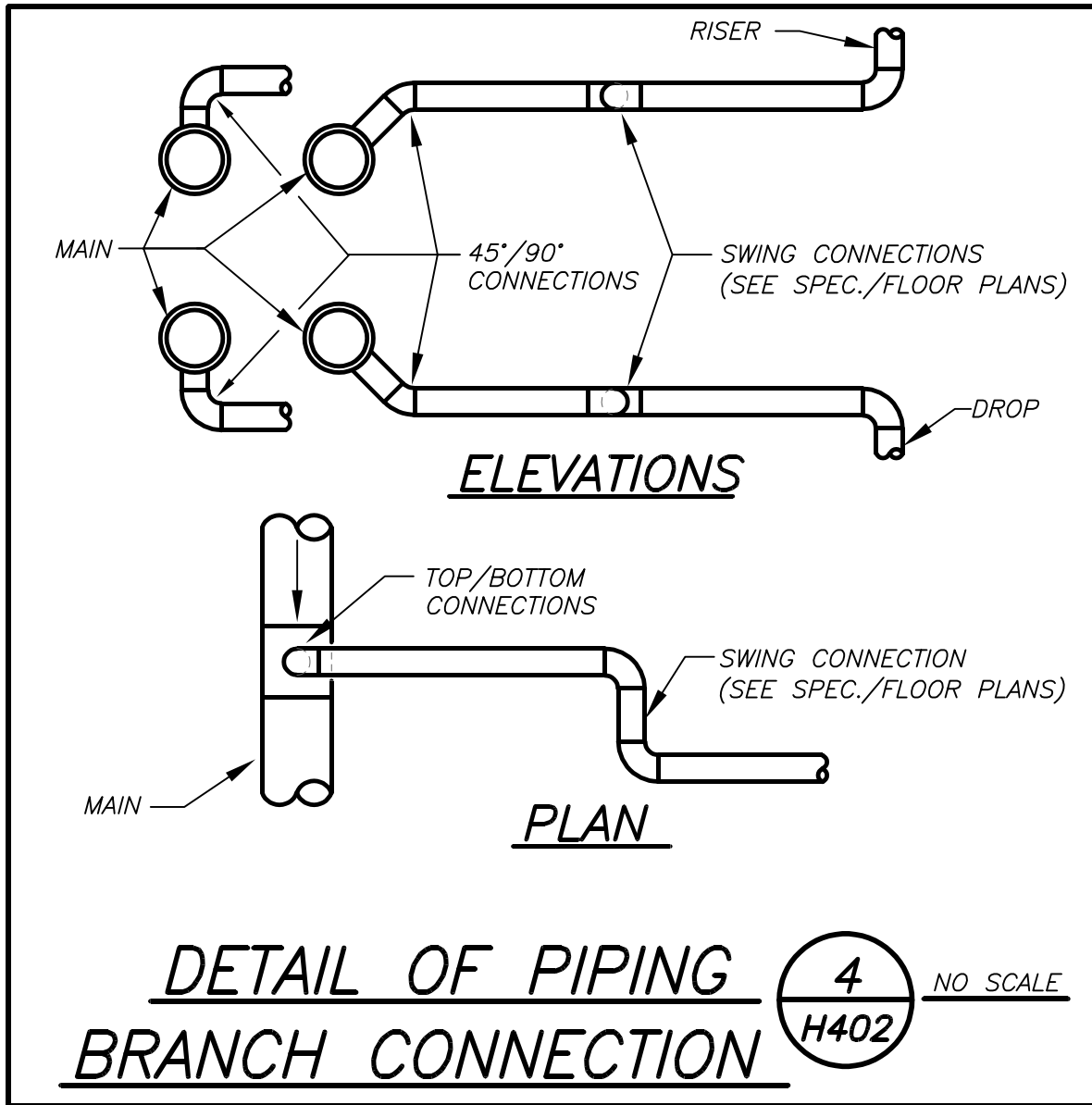
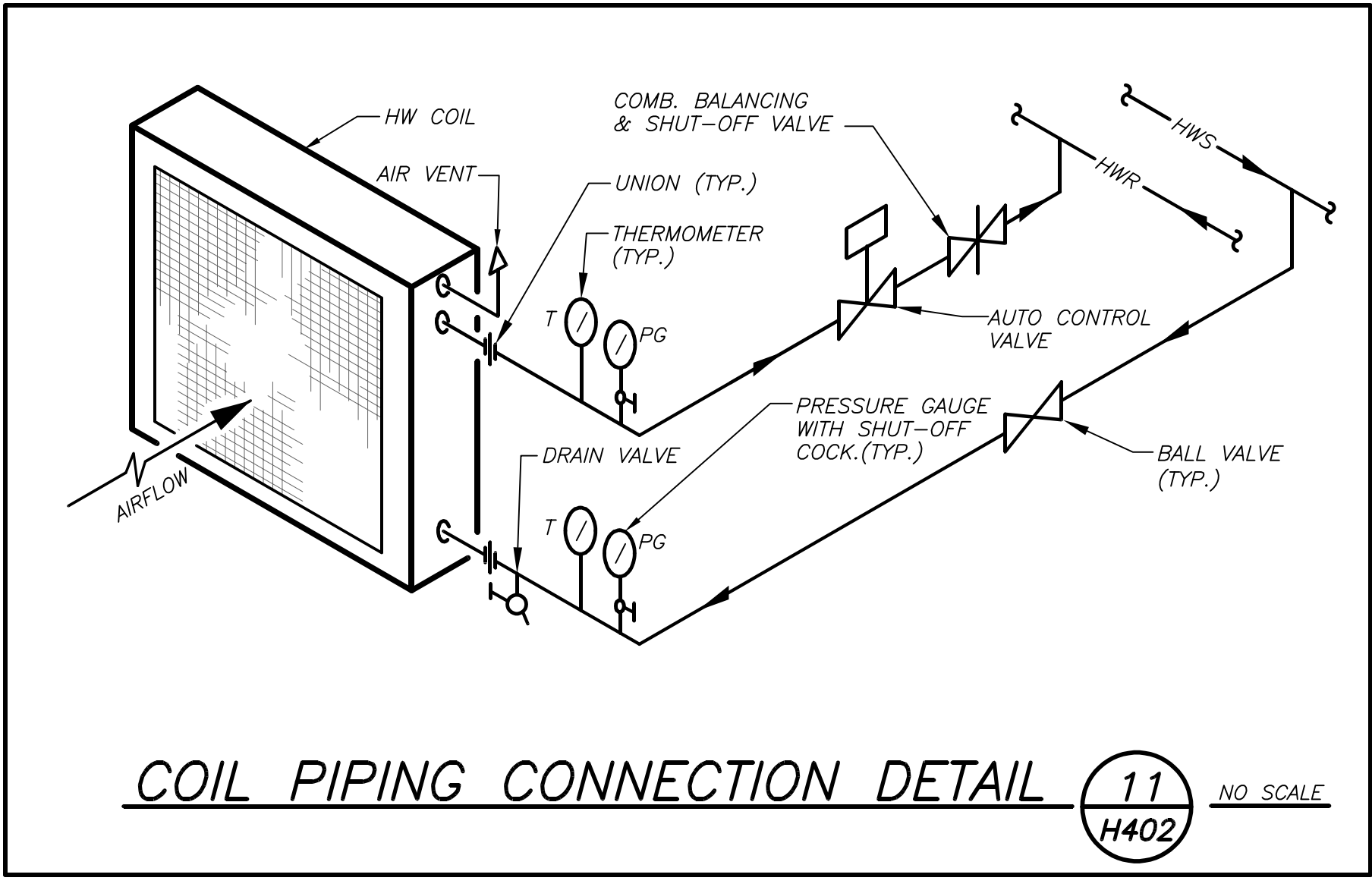
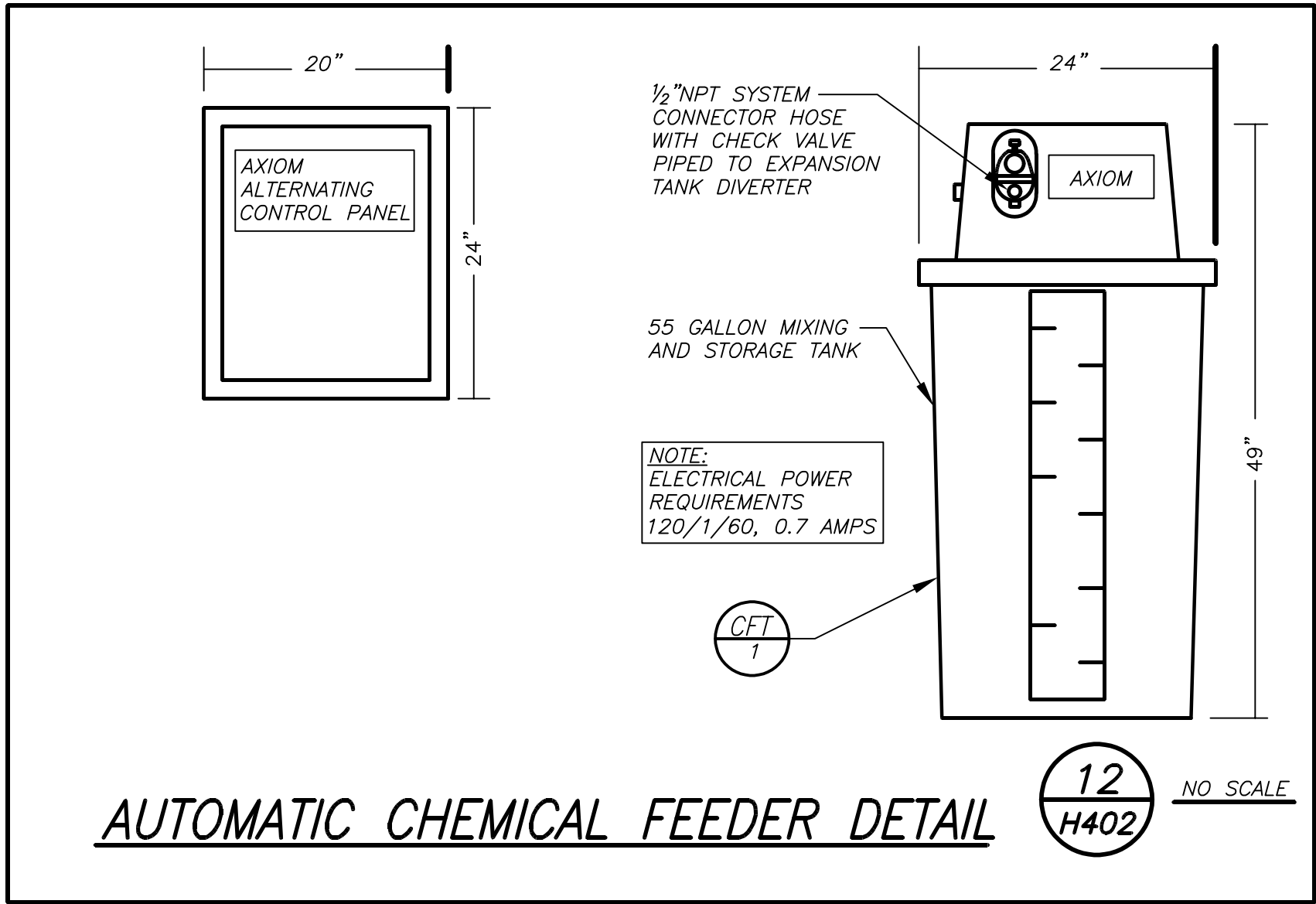
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11-19-2022	BID ADDENDUM 2
10-21-2022	BID
11-06-2020	100% C.D. SUBMISSION
06-01-2020	100% D.D. SUBMISSION
05-01-2020	50% D.D. SUBMISSION

SHEET SIZE: 30"x42"

SCALE: AS NOTED

DRAWN BY: BGA

FILE NO: 19359.00



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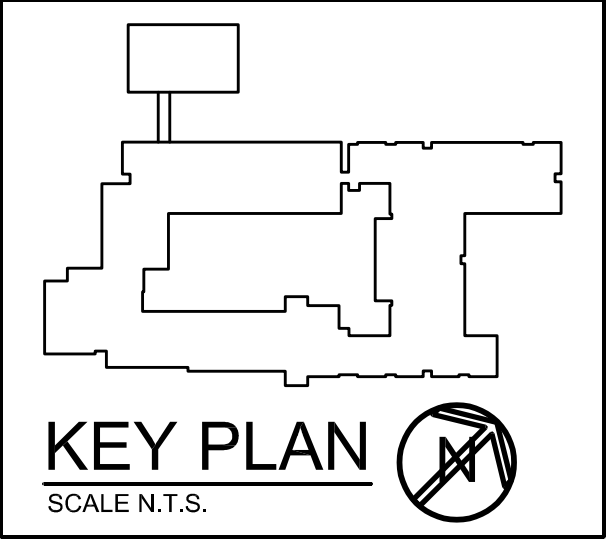
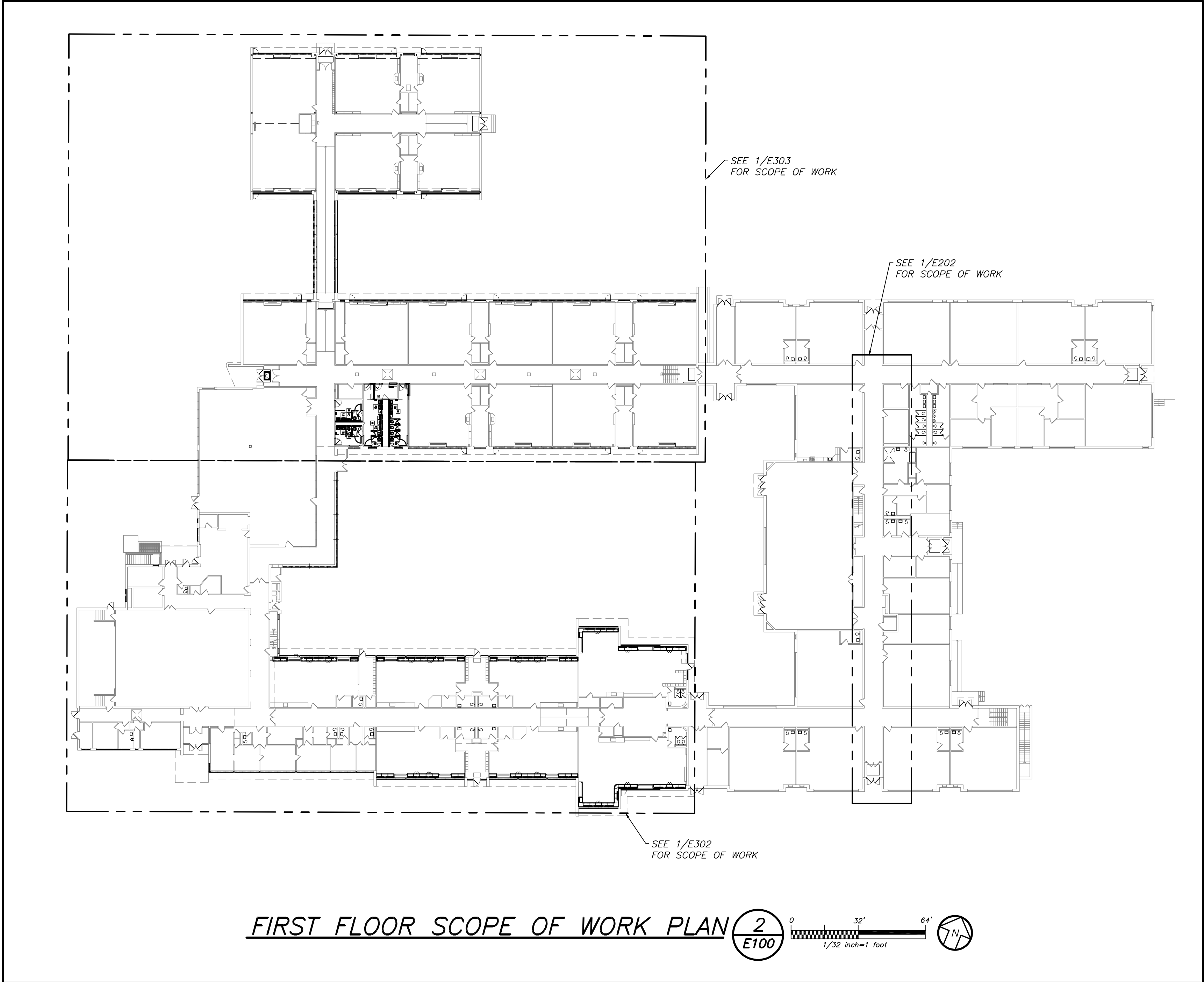
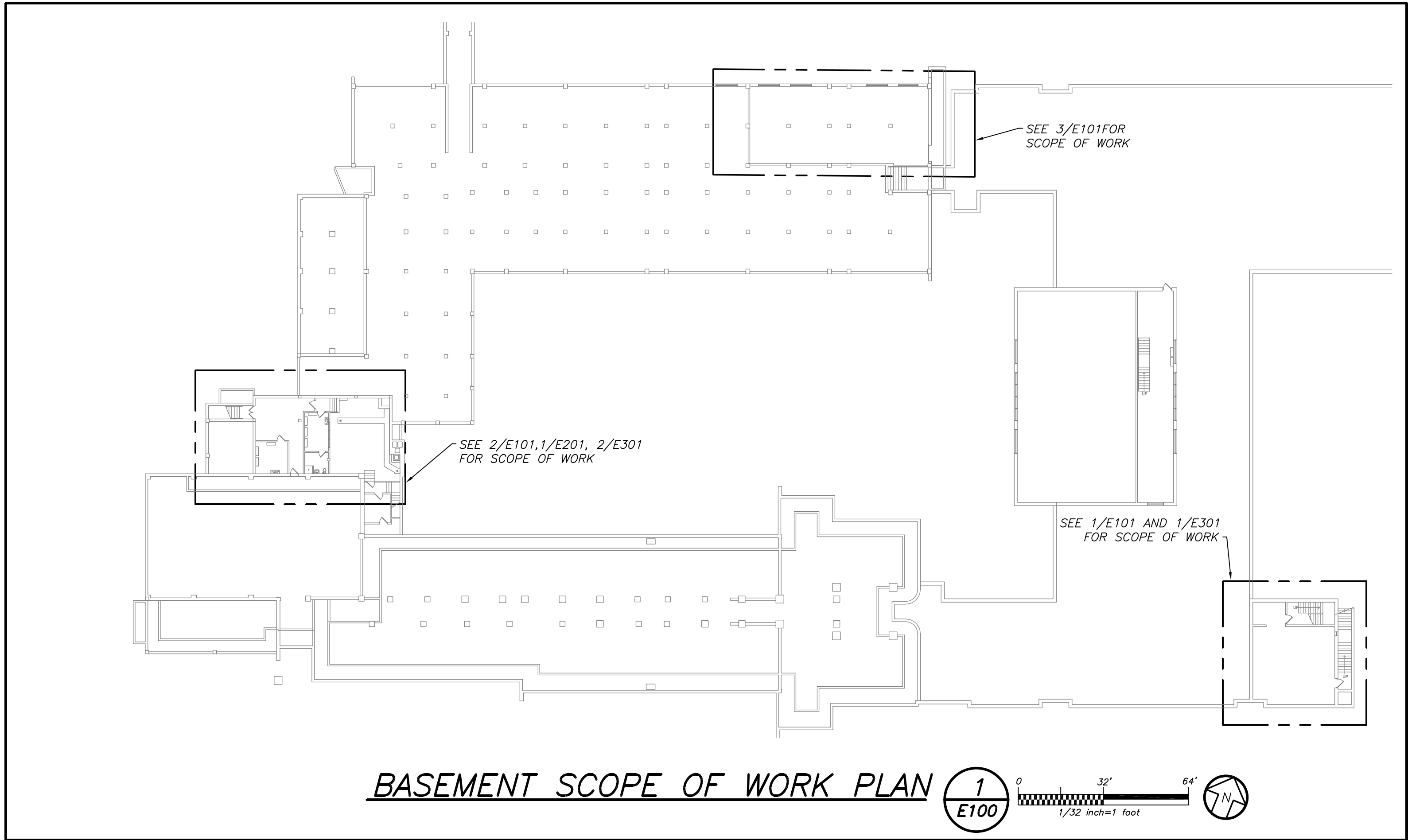
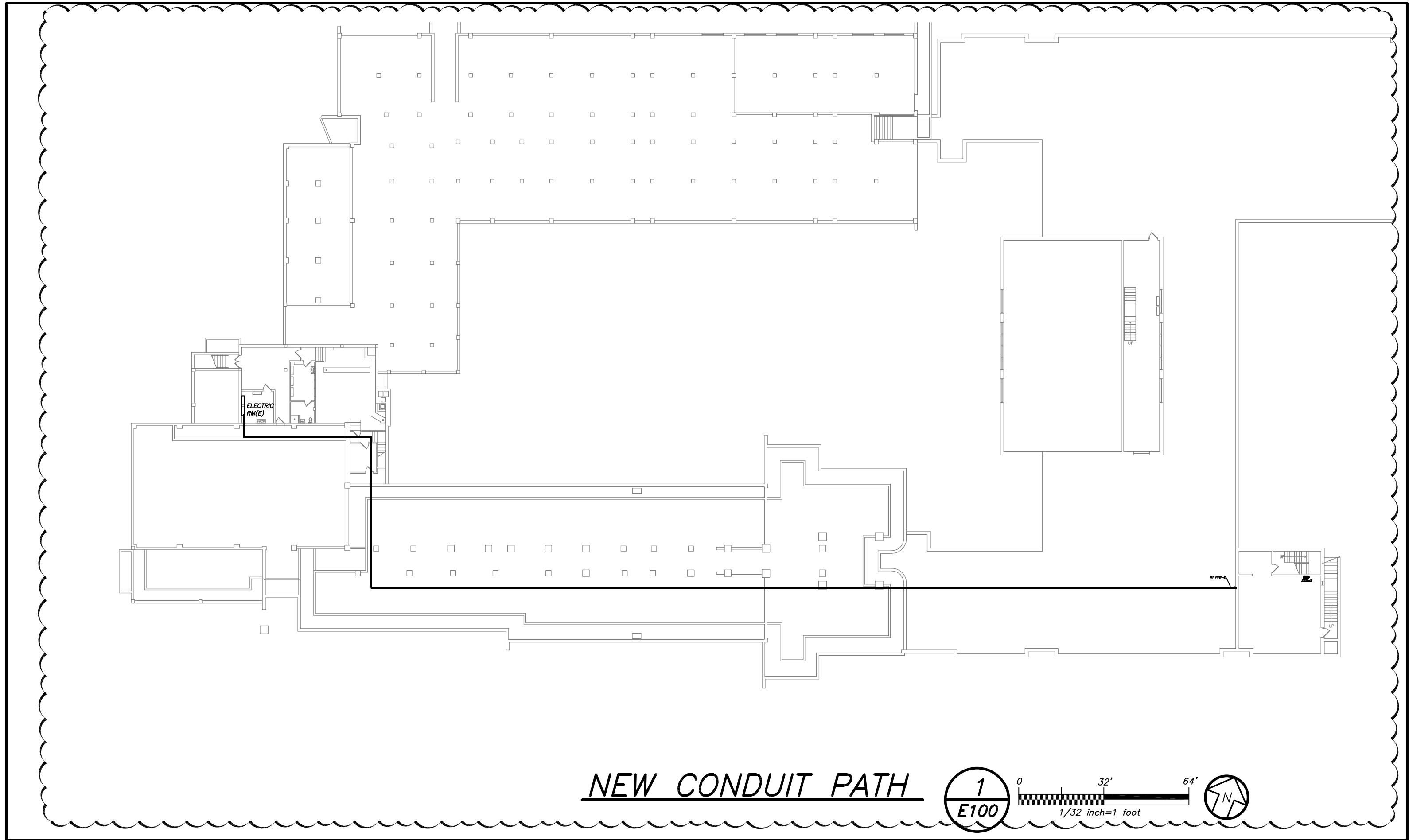
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S.E.D. CONTROL NUMBER:
66-23-00-01-0-029-012

YPS JOB # 10878

PROJECT YONKERS SCHOOL DISTRICT PS 29 BOILER REPLACEMENT HVAC UPGRADES & ASBESTOS ABATEMENT	DRAWING TITLE DETAILS
11-18-2022	BID ADDENDUM 2
10-21-2022	BID
11-06-2020	100% C.D. SUBMISSION
06-01-2020	100% D.D. SUBMISSION
05-01-2020	50% D.D. SUBMISSION
DATE	ISSUED TO
SHEET SIZE 30"x42"	DRAWING NO. H402
SCALE AS NOTED	DRAWN BY BGA
	FILE NO. 19359.00



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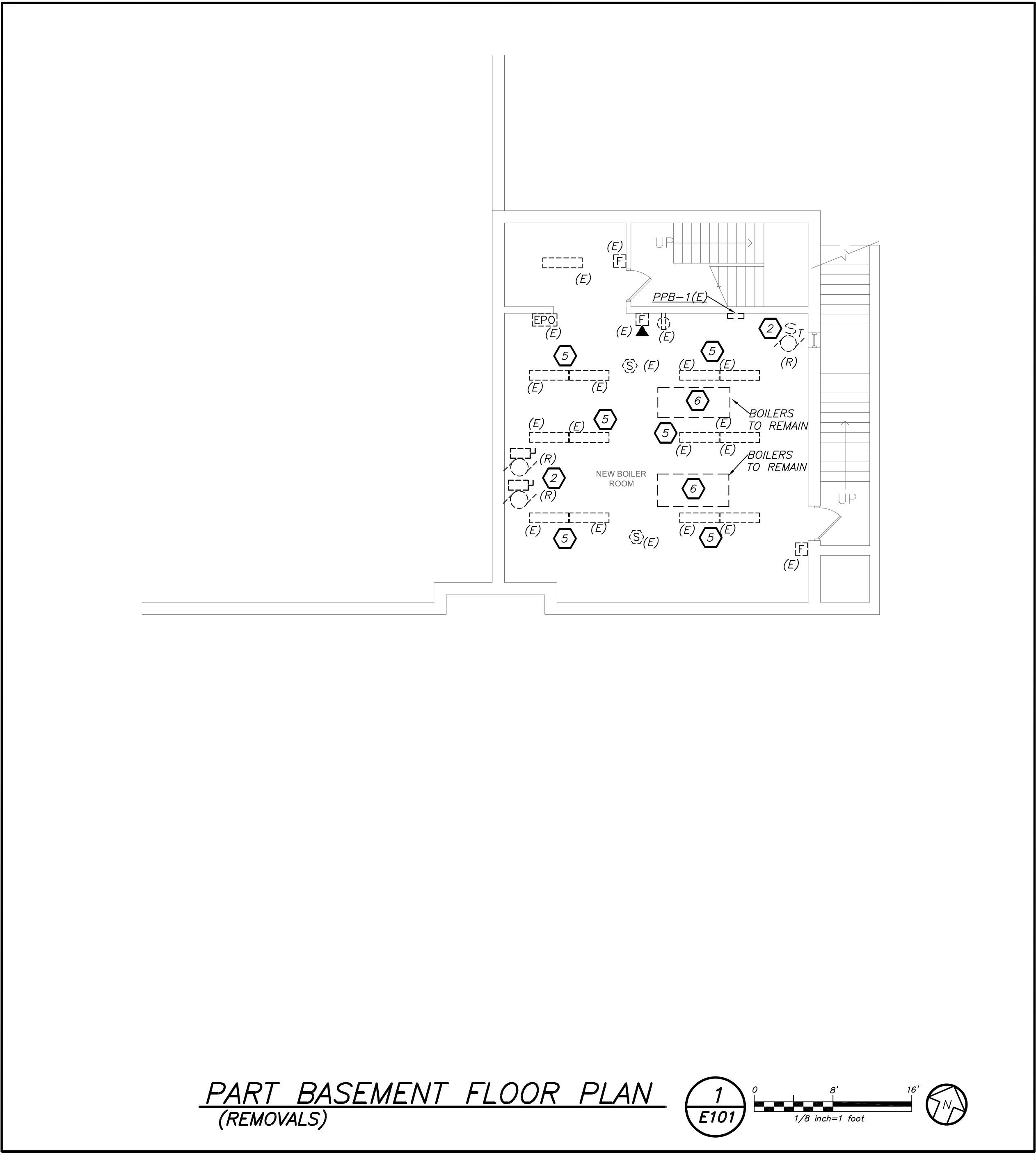
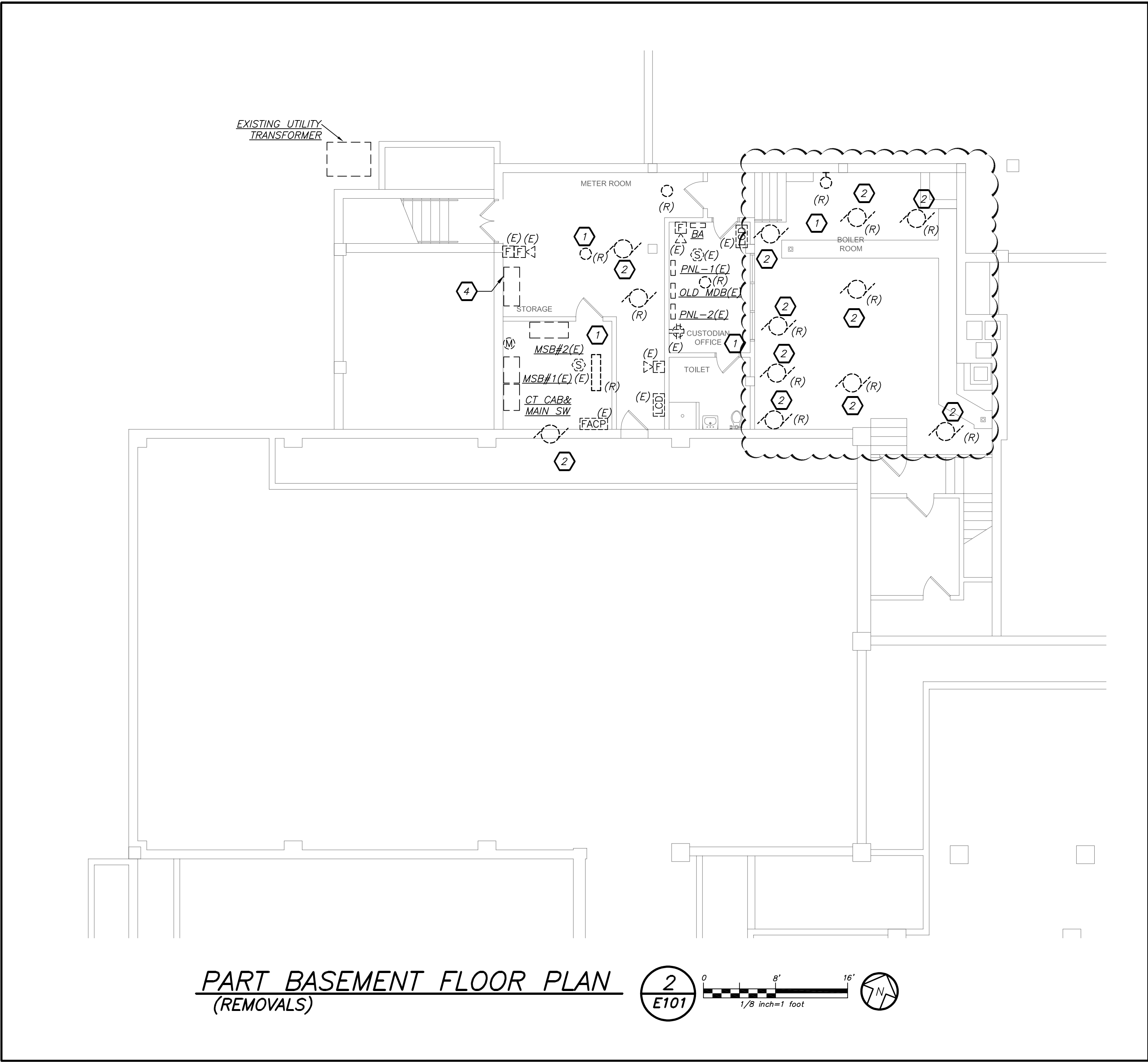
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66-23-00-01-0-029-012

YPS JOB # 10878

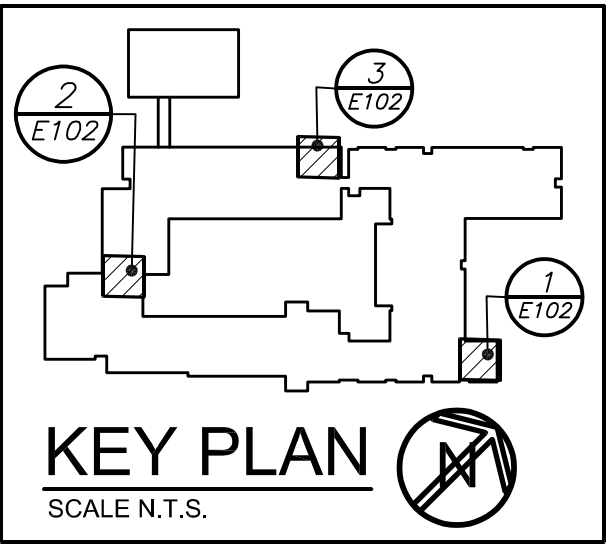
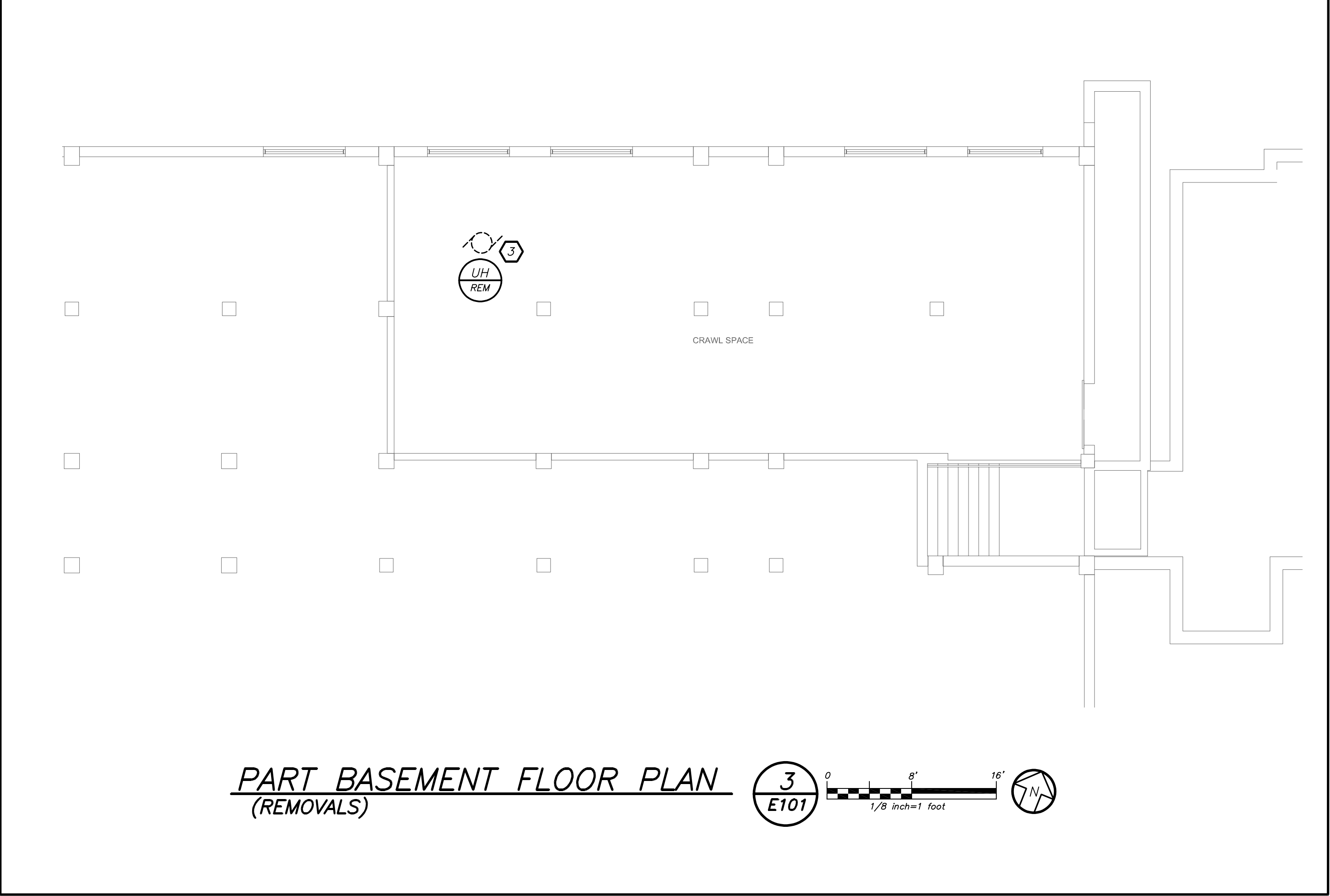
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YONKERS SCHOOL DISTRICT
PS 29 - BOILER REPLACEMENT, HVAC UPGRADES &
ASBESTOS ABATEMENT
47 CROFTON ROAD, YONKERS, N.Y. 10770

DRAWING TITLE:
SCOPE OF WORK PLAN

11-18-2022	BID ADDENDUM 2
10-21-2022	BID
11-06-2020	100% C.D. SUBMISSION
06-01-2020	100% D.D. SUBMISSION
05-01-2020	50% D.D. SUBMISSION
DATE	ISSUED TO
SHEET SIZE: 30"x42"	DRAWING NO. E100
SCALE: AS NOTED	FILE NO. 19359.00
DRAWN BY: BGA	



- GENERAL REMOVAL NOTES:**
1. EC TO COORDINATE ALL REMOVALS WITH OWNER/ARCHITECT BEFORE START OF ANY WORK.
- REMOVAL NOTES:**
1. IN THIS AREA OF WORK, REMOVE ALL LIGHTING BACK TO ITS SOURCE.
2. EC TO REMOVE ALL DISCONNECT SWITCHES, THERMAL SWITCHES AND BRANCH WIRING OF HVAC EQUIPMENT THAT IS REMOVED BY THE MECHANICAL CONTRACTOR. COORDINATE ALL WORK WITH MECHANICAL CONTRACTOR BEFORE START OF ANY WORK.
3. DISCONNECT EXISTING UNIT HEATER AND RECONNECT NEW UNIT HEATER PROVIDED BY MECHANICAL CONTRACTOR.
4. REMOVE ABANDONED GENERATOR AND ALL ASSOCIATED CONDUIT, WIRING AND CONTROLS.
5. EXISTING LIGHTING IN THE NEW BOILER ROOM SHALL BE REMOVED AND REINSTALL IF NEEDED TO ACCOMMODATE NEW PIPING.
6. EXISTING BOILERS TO REMAIN. EC TO DISCONNECT WIRING, PROVIDE NEW SHUNT TRIP BREAKERS AND REWIRE VIA NEW EPO SWITCH. REFER TO E301 FOR ADDITIONAL INFORMATION.
- SPECIAL NOTE**
- AIR COMPRESSOR SYSTEM SHALL REMAIN OPERATIONAL UNTIL ALL PNEUMATIC DEVICES HAVE BEEN REPLACED WITH DDC TYPE THROUGHOUT THE ENTIRE BUILDING AND ARE OPERATIONAL. ANY POWER CONNECTIONS TO KEEP THE AIR COMPRESSOR SYSTEM SHALL BE REMOVED ONLY AFTER SIGN OFF IS RECEIVED FROM THE HVAC VENDOR.



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hgg

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S.E.D. CONTROL NUMBER:
66-23-00-01-0-029-012

YPS JOB # 10878

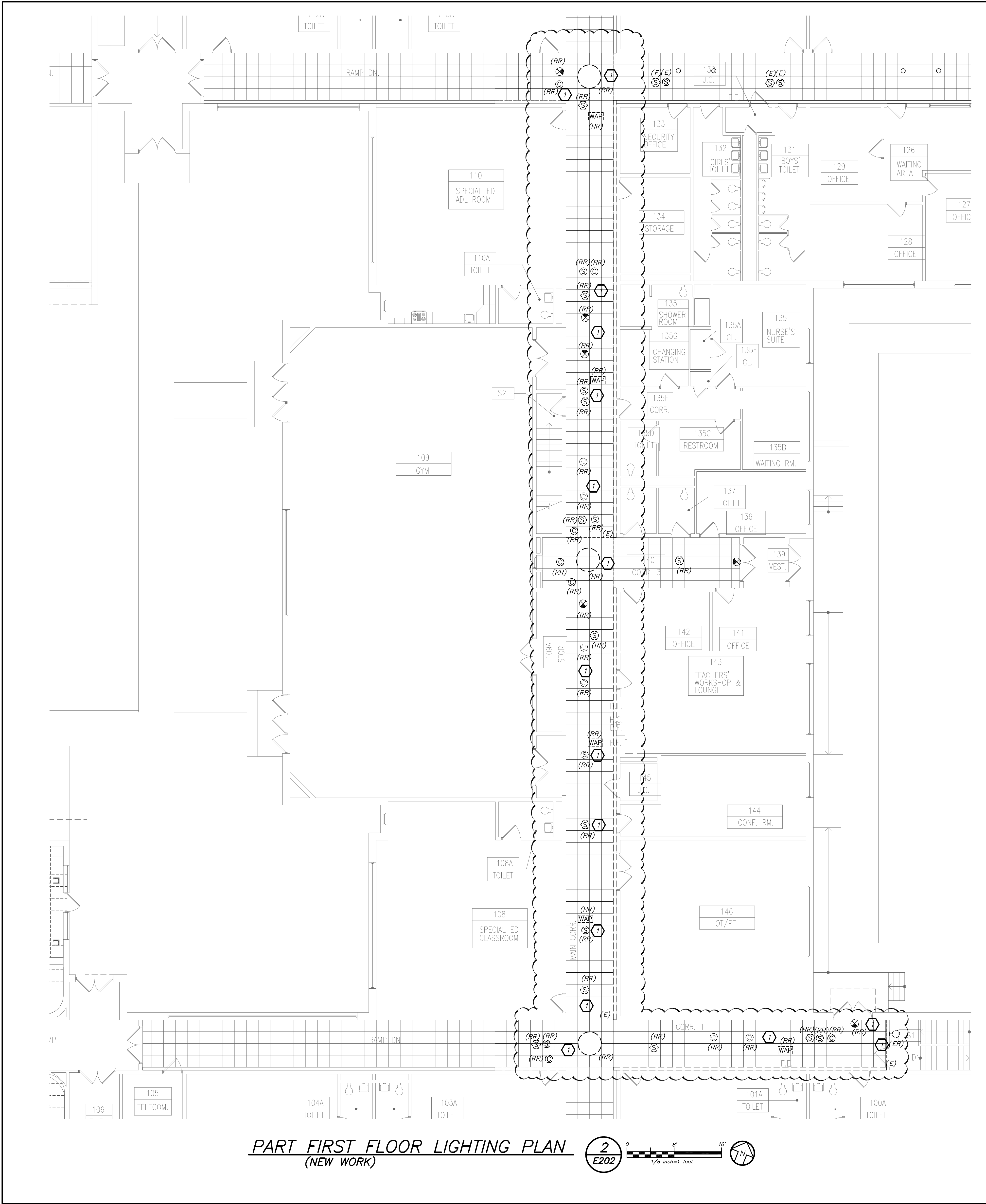
PROJECT:
YONKERS SCHOOL DISTRICT
PS 29 BOILER REPLACEMENT HVAC UPGRADES &
ASBESTOS ABATEMENT
47 CROFTON ROAD YONKERS, N.Y. 10710

DRAWING TITLE
PART BASEMENT PLAN REMOVAL PLAN

11-18-2022 BID ADDENDUM 2
10-21-2022 BID
11-06-2020 100% C.D. SUBMISSION
06-01-2020 100% D.D. SUBMISSION
05-01-2020 50% D.D. SUBMISSION

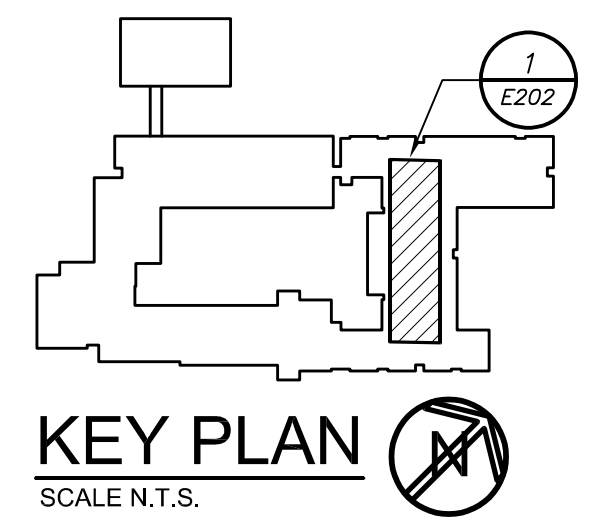
SHEET SIZE: 30"x42"
SCALE: AS NOTED
DRAWN BY: BGA

DRAWING NO.: E101
FILE NO.: 19359.00

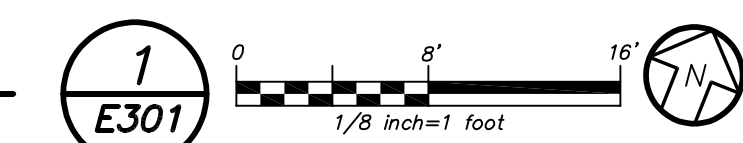
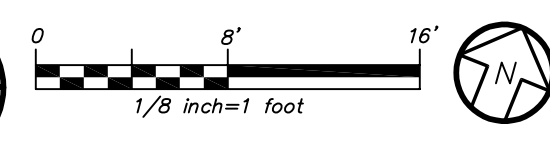


WORK NOTES:

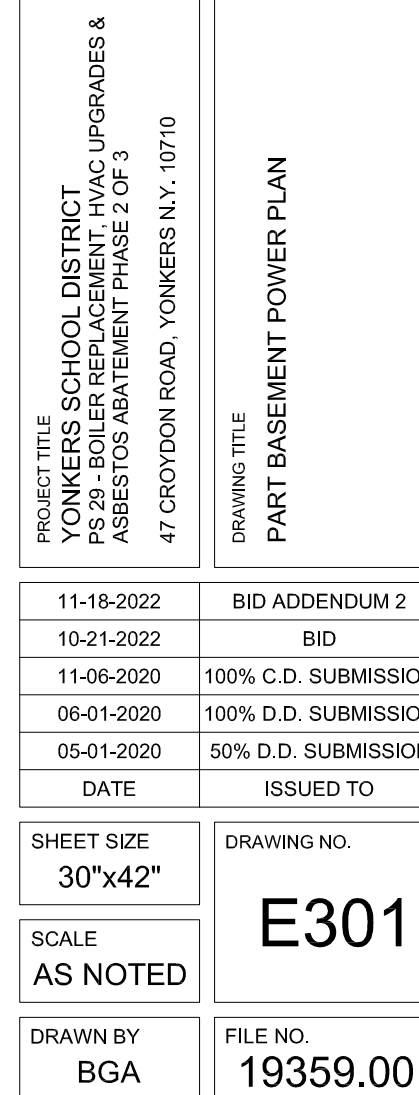
1. REMOVE AND RE-INSTALL CEILING MOUNTED LIGHT FIXTURES, SMOKE DETECTORS, SPEAKERS, WAP's AND CAMERAS TO ACCOMMODATE NEW CEILING. SECURE ALL CEILING MOUNTED DEVICES WHILE NEW PIPING AND CEILING IS BEING INSTALLED. PROVIDE ALL NECESSARY ACCESSORIES AS NEEDED



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BARILE GALLAGHER & ASSOCIATES CONSULTING ENGINEERS 30 MARBLE AVE. PLAINVILLE, NY 12159 914.326.6060 GENSEBA1@BGA-ENG.COM WWW.BGA-ENG.COM	
fuller dangelo ARCHITECTS PLANNERS 48 SHELLWOOD ROAD ELMSFORD NEW YORK 10523 TEL 914.898.4444 FAX 914.898.1979 www.fullerdangelo.com	
S.E.D. CONTROL NUMBER: 66-23-00-01-0-029-012	
YPS JOB # 10878	
PROJECT: YONKERS SCHOOL DISTRICT PS 29 BOILER REPLACEMENT HVAC UPGRADES & WINDOW REPLACEMENT 47 CROFTON ROAD YONKERS NY 10710	
DRAWING TITLE PART FIRST FLOOR LIGHTING PLAN	
11-18-2022 BID ADDENDUM 2	
10-21-2022 BID	
11-06-2020 100% C.D. SUBMISSION	
06-01-2020 100% D.D. SUBMISSION	
05-01-2020 50% D.D. SUBMISSION	
DATE ISSUED TO	
SHEET SIZE 30"x42"	
DRAWING NO. E202	
SCALE AS NOTED	
DRAWN BY BGA	
FILE NO. 19359.00	



1 EC TO REMOVE CIRCUIT BREAKER FEEDING EXISTING BOILERS 1&2 AND REPLACE WITH SHUNT TRIP TYPE 20AMP-3P BREAKERS. ALL EXISTING BRANCH WIRING SHALL BE EXTENDED VIA NEW EPO SWITCH. REFER TO DETAIL 6 ON DRAWING E701 FOR WIRING INFORMATION, PROVIDE ALL ADDITION AND REQUIRED ACCESSORIES FOR A COMPLETE OPERATIONAL SYSTEM.



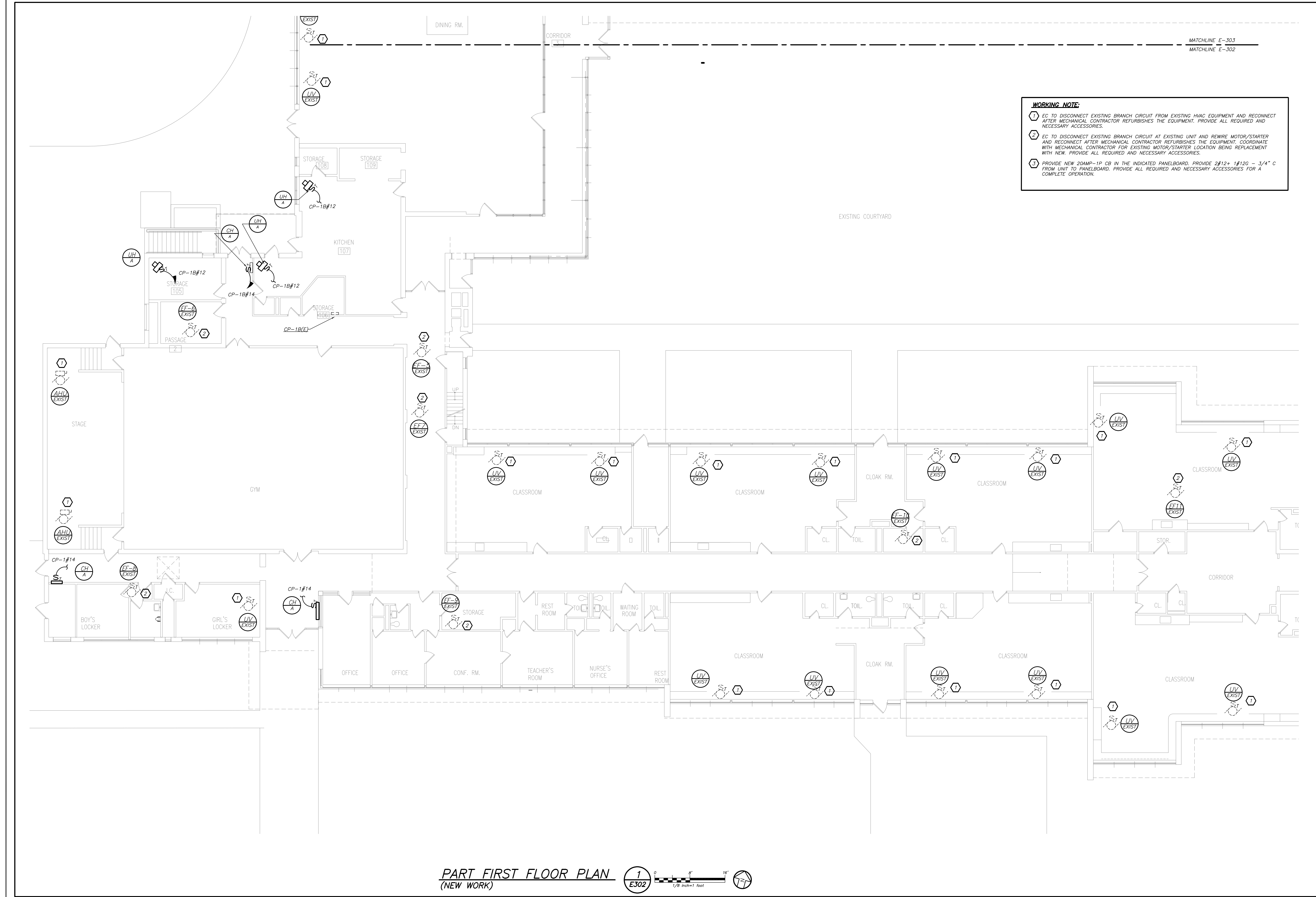
YPS JOB # 10878

FULLER
D'ANGELO
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PLOT DATE: November 18, 2022 9:25am

FILE: Y:\YONKERS PUBLIC SCHOOLS\YPS - School 29 - Ph 2 - Boilers, HVAC, Windows & Asbestos Abatement. (2242.00)\Drawings\Electrical\224200E302.dwg

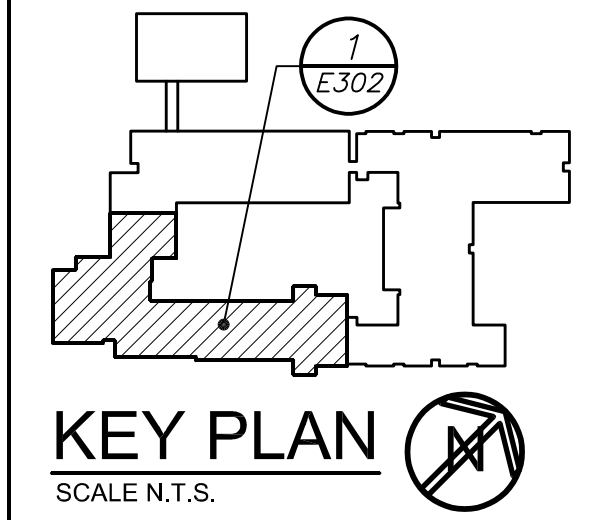


WORKING NOTE:

1. EC TO DISCONNECT EXISTING BRANCH CIRCUIT FROM EXISTING HVAC EQUIPMENT AND RECONNECT AFTER MECHANICAL CONTRACTOR REFURBISHES THE EQUIPMENT. PROVIDE ALL REQUIRED AND NECESSARY ACCESSORIES.

2. EC TO DISCONNECT EXISTING BRANCH CIRCUIT AT EXISTING UNIT AND REWIRE MOTOR/STARTER AND RECONNECT AFTER MECHANICAL CONTRACTOR REFURBISHES THE EQUIPMENT. COORDINATE WITH MECHANICAL CONTRACTOR FOR EXISTING MOTOR/STARTER LOCATION BEING REPLACEMENT WITH NEW. PROVIDE ALL REQUIRED AND NECESSARY ACCESSORIES.

3. PROVIDE NEW 20AMP-1P CB IN THE INDICATED PANELBOARD. PROVIDE 2#12+ 1#12G - 3/4" C FROM UNIT TO PANELBOARD. PROVIDE ALL REQUIRED AND NECESSARY ACCESSORIES FOR A COMPLETE OPERATION.



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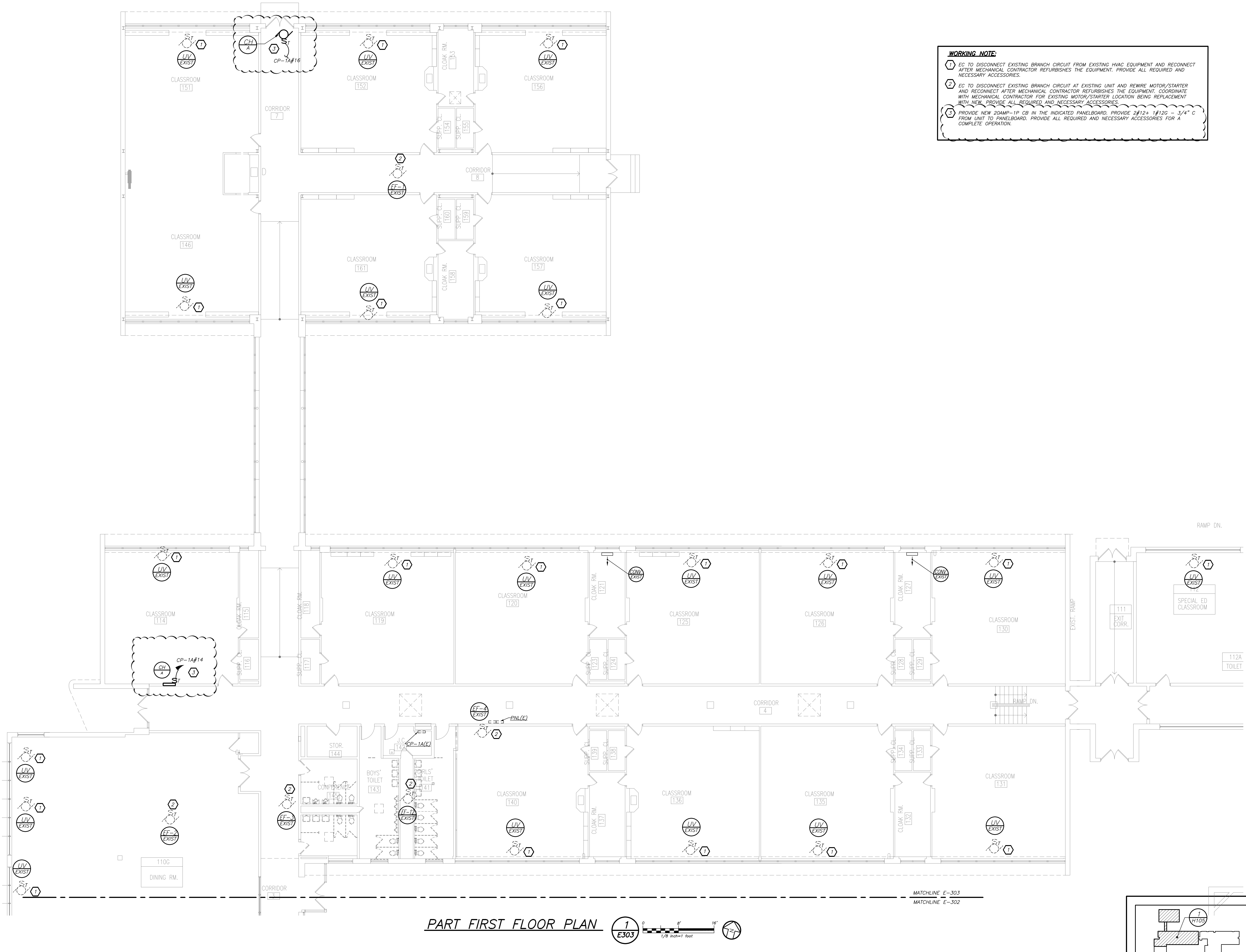
S.E.D. CONTROL NUMBER:
66-23-00-01-0-029-012

YPS JOB # 10878

PROJECT: YONKERS SCHOOL DISTRICT
PS 29 BOILER REPLACEMENT HVAC UPGRADES & WINDOW REPLACEMENT
47 CROFTON ROAD, YONKERS, NY 10710

DRAWING TITLE
PART FIRST FLOOR PLAN

11-18-2022	BID ADDENDUM 2
10-21-2022	BID
11-06-2020	100% C.D. SUBMISSION
06-01-2020	100% D.D. SUBMISSION
05-01-2020	50% D.D. SUBMISSION
DATE	ISSUED TO
SHEET SIZE 30"x42"	DRAWING NO. E302
SCALE AS NOTED	FILE NO. 19359.00
DRAWN BY BGA	



WORKING NOTE:

- 1 EC TO DISCONNECT EXISTING BRANCH CIRCUIT FROM EXISTING HVAC EQUIPMENT AND RECONNECT AFTER MECHANICAL CONTRACTOR REFURBISHES THE EQUIPMENT. PROVIDE ALL REQUIRED AND NECESSARY ACCESSORIES.
- 2 EC TO DISCONNECT EXISTING BRANCH CIRCUIT AT EXISTING UNIT AND REWIRE MOTOR/STARTER AND RECONNECT AFTER MECHANICAL CONTRACTOR REFURBISHES THE EQUIPMENT. COORDINATE WITH MECHANICAL CONTRACTOR FOR EXISTING MOTOR/STARTER LOCATION BEING REPLACEMENT WITH NEW. PROVIDE ALL REQUIRED AND NECESSARY ACCESSORIES.
- 3 PROVIDE NEW 20AMP-1P CB IN THE INDICATED PANELBOARD. PROVIDE 2#12+ 1#12G - 3/4" C FROM UNIT TO PANELBOARD. PROVIDE ALL REQUIRED AND NECESSARY ACCESSORIES FOR A COMPLETE OPERATION.

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FULLER DANIELO P.C.
ARCHITECTS PLANNERS

S.E.D. CONTROL NUMBER:
66-23-00-01-0-029-012

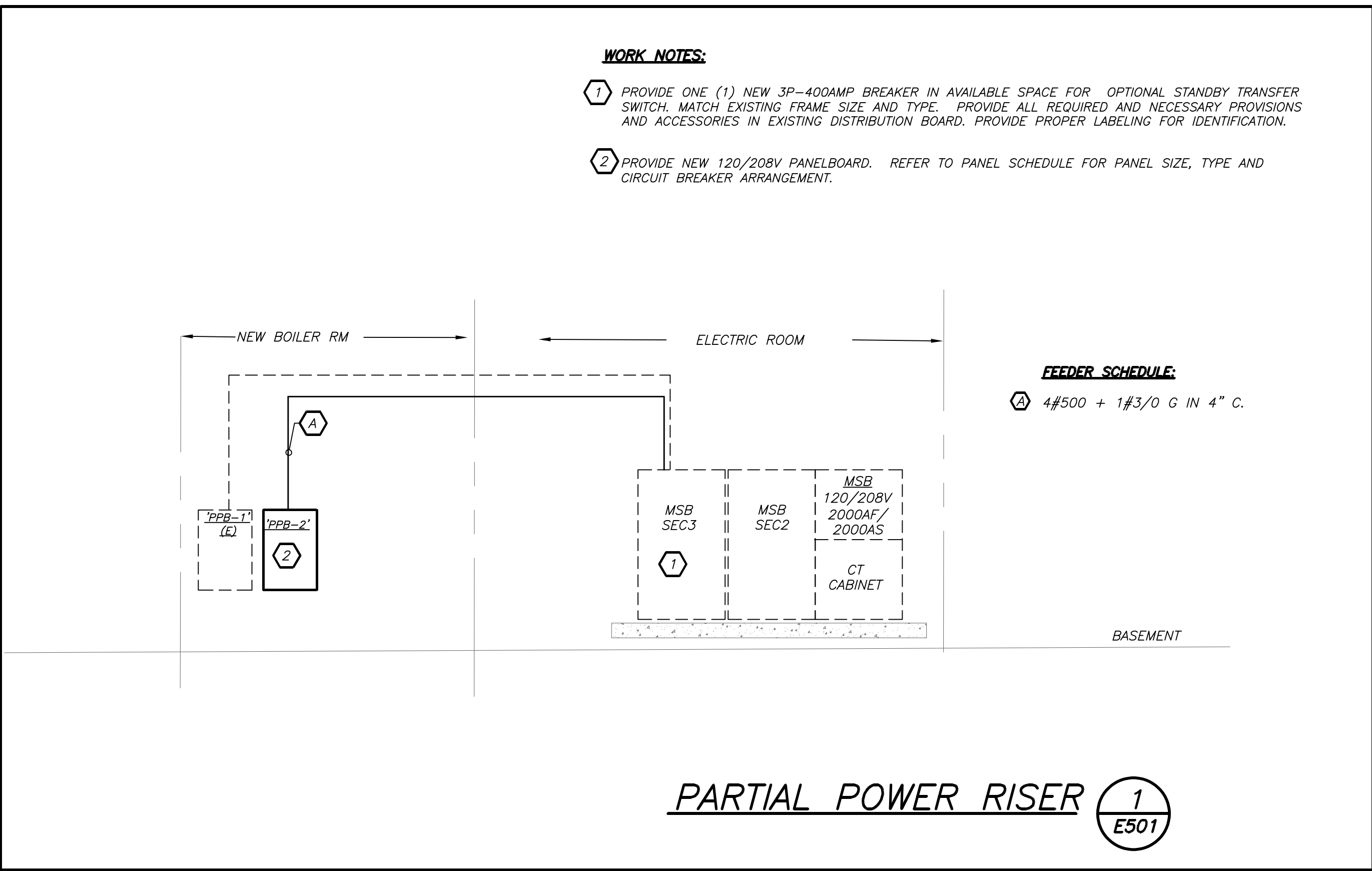
YPS JOB # 10878

PROJECT: YONKERS SCHOOL DISTRICT
PE 29 BOILER REPLACEMENT HVAC UPGRADES & PE 29 BOILER REPLACEMENT HVAC UPGRADES & PE 29 BOILER REPLACEMENT HVAC UPGRADES &
47 CROFTON ROAD, YONKERS, N.Y. 10770

DRAWING TITLE
PART FIRST FLOOR PLAN

11-18-2022	BID ADDENDUM 2
10-21-2022	BID
11-06-2020	100% C.D. SUBMISSION
06-01-2020	100% D.D. SUBMISSION
05-01-2020	50% D.D. SUBMISSION
DATE	ISSUED TO
SHEET SIZE 30"x42"	DRAWING NO. E 303
SCALE AS NOTED	FILE NO. 19359.00
DRAWN BY BGA	

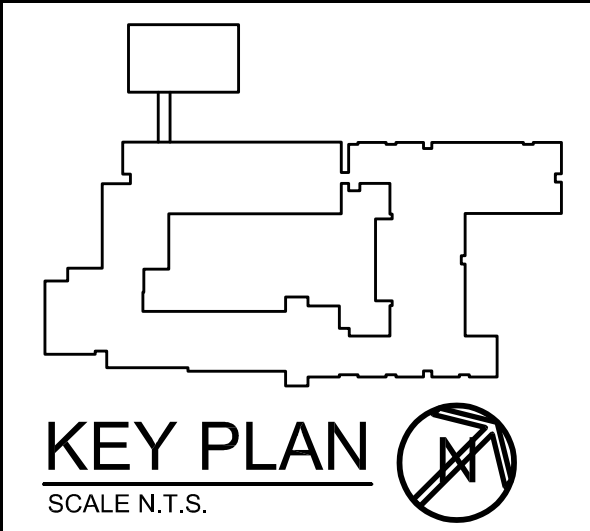
LIGHTING FIXTURE SCHEDULE				
TYPE	MOUNTING	LAMPS	DESCRIPTION	MANUFACTURER & CAT.#
"F"	PENDANT	48W LED 120V	PENDANT/CHAIN MOUNTED 4" ENCLOSED INDUSTRIAL LED LINEAR LIGHT FIXTURE, 6200 LUMEN, WITH 4000K CCT. NON DIM DRIVER.	H.E. WILLIAMS CAT.# 96-4-L62-840-HIAFR-DRV-TP-SS LATCH -UNV
"F" EMB	PENDANT	48W LED 120V	SAME AS TYPE "F" WITH EMERGENCY BATTERY BACK-UP.	H.E. WILLIAMS CAT.# 96-4-L62-40-HIAFR-DRV -UNV-EM10W
"F"	PENDANT	48W LED 120V	PENDANT/CHAIN MOUNTED 4" ENCLOSED INDUSTRIAL LED LINEAR LIGHT FIXTURE, 4000 LUMEN, WITH 4000K CCT. NON DIM DRIVER.	H.E. WILLIAMS CAT.# 96-4-L40-840-HIAFR-DRV-TP-SS LATCH -UNV
"F" EMB	PENDANT	48W LED 120V	SAME AS TYPE "F" WITH EMERGENCY BATTERY BACK-UP.	H.E. WILLIAMS CAT.# 96-4-L62-40-HIAFR-DRV -120V-EM10W
	CEILING /WALL MOUNT	1-5W LED UNV.	LED EXIT LIGHTS, STEEL HOUSING, NUMBER OF FACES AND DIRECTIONAL ARROWS AS INDICATED ON PLANS. SELF POWERED MODEL WITH 90 MINUTE BATTERY.	ENCORE LIGHTING #LSE-6-R-1/U



NEW ELECTRICAL PANEL SCHEDULE															
PNL: PPB-2		MOUNTING: SURFACE		X	MAIN LUGS ONLY			MAIN C BKR-		GROUND BUS:		X			
208Y/120, 3 PHASE, 4 WIRE		(NEMA 1)		FLUSH	DOUBLE LUGS			150 A		ISOLATED GROUND BUS:					
18 .000MIN A.I.C. SYM				IN MCC	FEED THRU LUG			MAIN BUS -		TVSS:					
NEUTRAL: 100%					SHUNT TRIP MAIN			400A/3P		NUMBER OF POLES:		24			
CKT No.	TRIP (AMP)	LOAD	WIRE	CND. (IN.)	KVA / PHASE A B C			KVA / PHASE A B C			CND. (IN.)	WIRE	LOAD	TRIP (AMP)	CKT No.
1	3	HWP-4	3#2+1#8G	11/4	8.20						11/4	3#2+1#8G	HWP-3	3	2
3	110													4	
5	20				8.20									6	
7	20	SPARE	-	-							-	-	SPARE	20	8
9	20	SPARE	-	-							-	-	SPARE	20	10
11	20	SPARE	-	-							-	-	SPARE	20	12
13	20	SPARE	-	-							-	-	SPARE	20	14
15	20	SPARE	-	-							-	-	SPARE	20	16
17	20	SPARE	-	-							-	-	SPARE	20	18
19	3	SPARE	-	-							-	-	SPARE	20	20
21	20	SPARE	-	-							-	-	SPARE	20	22
23	20	SPARE	-	-							-	-	SPARE	20	24
SUBTOTALS					8.20	8.20	8.20	0.00	0.00	0.00		SUBTOTALS			
TOTAL LOADS					8.2 KVA	PHASE A		LIGHTING:		0.00 KVA					
					8.2 KVA	PHASE B		RECEPTACLE:		0.00 KVA					
					8.2 KVA	PHASE C		KITCHEN:		0.00 KVA					
TOTAL CONN. LOAD					24.6 KVA	68.0 A		MOTOR:		24.60 KVA					
TOTAL DEMAND LOAD					24.6 KVA	68.0 A		POWER:		0.00 KVA					
								TOTAL:		24.60 KVA					

EXISTING ELECTRICAL PANEL SCHEDULE																
PNL: PPB-1		MOUNTING: SURFACE		X	MAIN LUGS ONLY			MAIN C BKR-		GROUND BUS:		X				
208Y/120, 3 PHASE, 4 WIRE		(NEMA 1)		FLUSH	DOUBLE LUGS			225A/3P		ISOLATED GROUND BUS:						
22 .000MIN A.I.C. SYM				IN MCC	FEED THRU LUG			MAIN BUS -		TVSS:						
NEUTRAL: 100%					SHUNT TRIP MAIN			225 A		NUMBER OF POLES:		42				
CKT No.	TRIP (AMP)	LOAD	WIRE	CND. (IN.)	KVA / PHASE A B C			KVA / PHASE A B C			CND. (IN.)	WIRE	LOAD	TRIP (AMP)	CKT No.	
1	20	EXISTING CP	EXIST									EXIST	EXISTING CP	20	2	
3	4	BOILER -1	2#12+1#12G	3/4							3/4	2#12+1#12G	BOILER -2	3	4	
11	20	BOILER 4	2#12+1#12G	3/4			0.50			0.50	3/4	2#12+1#12G	BOILER 5	20	12	
15	3	EXIS LOAD	EXIST								-	EXIST	EXIS LOAD	3	16	
17	30									-				30	18	
19	3									-				3	20	
21	3							0.30			-				20	22
23	20	SF	2#12+1#12G	3/4			0.30			0.30		EXIST	EXIS LOAD	20	24	
25	20						0.30				-			3	26	
27	20	EXIS LOAD	EXIST	-							-	EXIST	EXIS LOAD	20	28	
29	20	LIGHTING	EXIST	-							-	EXIST	EXIS LOAD	20	30	
31	3	HWP-1				1.10			0.50		3/4	2#12+1#12G	BOILER-3	20	32	
33	25		3#10+1#10G	3/4		1.10										
35	25							1.10			0.10	3/4	2#12+1#12G	CFT	20	36
37	20									1.10		3/4	3#10+1#10G	HWP-2	3	38
39	20	UH-1	2#12+1#12G	3/4		0.30				1.10				40		
41	20	SPARE	-	-						1.10				25	42	
SUBTOTALS					1.40	1.70	1.90		1.60	1.10	1.70	SUBTOTALS				
TOTAL LOADS					3.0 KVA	PHASE A		LIGHTING:		0.00 KVA						
					2.8 KVA	PHASE B		RECEPTACLE:		0.00 KVA						
					3.6 KVA	PHASE C		KITCHEN:		0.00 KVA						
TOTAL CONN. LOAD					9.4 KVA	26.0 A		MOTOR:		9.40 KVA						
TOTAL DEMAND LOAD					9.4 KVA	26.0 A		POWER:		0.00 KVA						
								TOTAL:		9.40 KVA						

* PROVIDE SHUNT TRIP BREAKER



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S.E.D. CONTROL NUMBER:
66-23-00-01-4-029-012

YPS JOB # 10878

PROJECT: YONKERS SCHOOL DISTRICT PS-29 BOILER REPLACEMENT HVAC UPGRADES & ELECTRICAL 47 CROFTON ROAD, YONKERS, N.Y. 10710		DRAWING TITLE POWER RISER AND SCHEDULES	
11-18-2022	BID ADDENDUM 2	10-21-2022	BID
11-06-2020	100% C.D. SUBMISSION	06-01-2020	100% D.D. SUBMISSION
05-01-2020	50% D.D. SUBMISSION	DATE	ISSUED TO
SHEET SIZE 30"x42"	DRAWING NO. E501	SCALE AS NOTED	DRAWN BY BGA
FILE NO. 19359.00			