NO.	ISSUANCE	DATE	REVISION
1	50% DESIGN DEVELOPMENT SUBMISSION	05-01-2020	
2	100% DESIGN DEVELOPMENT SUBMISSION	06-01-2020	
3	100% CD SUBMISSION	11-05-2020	
4	BID SUBMISSION	10-21-2022	

YONKERS PUBLIC SCHOOLS

One Larkin Center, Yonkers, New York 10701

BOILER REPLACEMENT, HVAC UPGRADES & ASBESTOS ABATEMENT
PHASE 2 OF 3
SCHOOL 29

47 CROYDON ROAD, YONKERS N.Y. 10710

LIST OF DRAWINGS

GENERAL:

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

ABATEMENT
ASB-100 FIRST FLOOR ASBESTOS CONTAINING MATERIAL LOCATION DRAWING

SITE
A10 SITE PLAN

ARCHITECTURAL
A100 BASEMENT PLAN
A101 OVERALL FIRST FLOOR PLAN
A102 PARTIAL FIRST FLOOR PLAN
A103 PARTIAL FIRST FLOOR PLAN

A151 CLASSROOM 1 TO 7, INTERIOR ELEVATIONS & CASEWORK DETAILS

AR201 REMOVAL REFLECTED CEILING PLANS
A201 REFLECTED CEILING PLANS

A300 EXTERIOR ELEVATIONS
A301 EXTERIOR ELEVATIONS

A425 WALL SECTIONS
A426 WALL SECTIONS
A427 WALL SECTIONS
A428 WALL SECTIONS

A500 PARTITION TYPES & MISCELLANEOUS DETAILS

A725 LOUVER SCHEDULE, LOUVER TYPES & LOUVER DETAILS

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

MECHANICAL
H101 PART BASEMENT PLAN, LEGEND AND GENERAL NOTES
H102 PART BASEMENT, CRAWL SPACE AND PIPE TUNNEL PLAN
H103 PART BASEMENT, CRAWL SPACE AND PIPE TUNNEL PLAN
H104 PART FIRST FLOOR PLAN
H105 PART FIRST FLOOR PLAN

H201 PART BASEMENT PLANS AND HOT WATER PIPING DIAGRAM
H202 PART FIRST FLOOR PLAN
H203 PART FIRST FLOOR PLAN
H204 PART FIRST FLOOR PLAN

H301 SCHEDULES
H302 SCHEDULES
H401 DETAILS
H402 DETAILS

PLUMBING
P101 LEGEND, NOTES AND BOILER ROOM FLOOR PLANS

ELECTRICAL
E001 LEGEND, ABBREVIATIONS AND NOTES

E100 SCOPE OF WORK PLAN
E101 PART BASEMENT PLAN REMOVAL PLAN

E201 BASEMENT LIGHTING PLAN
E202 PART FIRST FLOOR LIGHTING PLAN

E301 PART BASEMENT POWER PLAN
E302 PART FIRST FLOOR PLAN
E303 PART FIRST FLOOR PLAN

E501 POWER RISER AND SCHEDULE
E701 ELECTRICAL DETAILS

PROJECT LOCATION MAP
SCALE: N.T.S.

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

YPS JOB # 10878

OCTOBER 21, 2022

ABBREVIATIONS

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

GRAPHIC LEGEND

CLASSROOM — ROOM NAME & NUMBER

100 — DOOR NUMBER

1 / 4 A 2 / 3 — ELEVATION KEY

1 / 4 2 / 3 — INTERIOR WALL INDICATIONS

W — WINDOW TYPE

J1 — REMOVAL/WORKSCOPE NOTE

1 — REVISION MARK

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

X / Y — EXTERIOR ELEVATION KEY

FLUSH — FLUSH THRESHOLD

5'-0" ø HANDICAPPED TURNING RADIUS

REMOVE EXISTING CONSTRUCTION

EXISTING CONSTRUCTION

NEW WALL CONSTRUCTION

A / 1 — COLUMN GRID LINES

EXISTING COLUMN DESIGNATION

X / XXX — BUILDING/WALL SECTION/DETAIL

REFERENCE POINT

HIDDEN LINE BELOW

HIDDEN LINE ABOVE OR BEYOND

CENTERLINE OR N.I.C. LINE

— EXISTING DOOR INDICATES DOOR NUMBER (SEE DOOR SCHEDULE)

— NEW DOOR INDICATES DOOR NUMBER (SEE DOOR SCHEDULE)

MATERIALS LEGEND

CONCRETE

CONCRETE MASONRY UNITS

BRICK

STONE

METALS

COMPACTED GRAVEL

EARTH/UNDISTURBED SOIL

DRAINAGE BOARD

PARTICLE BOARD

PLYWOOD

ACOUSTICAL TILE

CONTINUOUS WOOD FRAMING THROUGH MEMBER

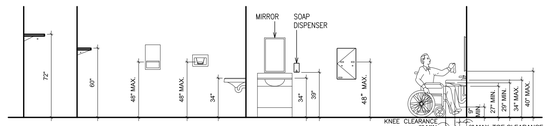
WOOD FRAMING THROUGH INTERRUPTED MEMBER

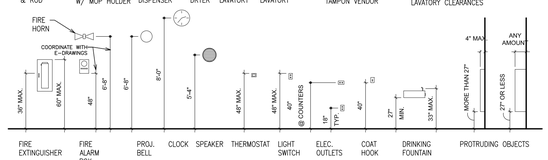
FINISHED WOOD

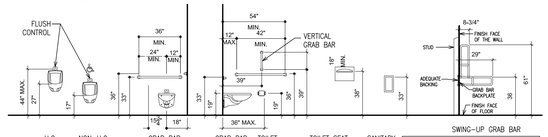
BATT INSULATION

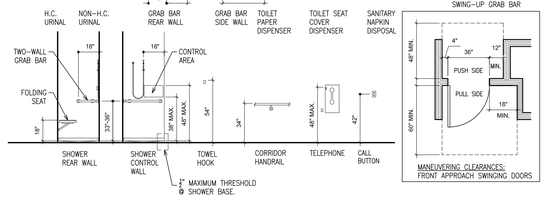
RIGID INSULATION

MOUNTING HEIGHTS FOR ACCESSIBLE ITEMS









GENERAL NOTES

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

1. ALL DETAILS AND/OR PART OF DETAILS ARE SIMILAR FOR SIMILAR LOCATIONS IN ALL OR PART OF THE DETAIL.
2. COORDINATION OF ALL WORK UNDER THIS CONTRACT SHALL BE MAINTAINED TO ENSURE THE QUALITY AND TIMELY COMPLETION OF THE WORK/PROJECT.
3. INDICATED DIMENSIONS ARE TO:
   A. FACE OF MASONRY OR CONCRETE AND FACE OF FINISH TO FINISH ARE EXACT.
   B. CENTER LINES.
4. DRAWINGS ARE NOT TO BE SCALED. USE DIMENSIONS ONLY. ALL DIMENSIONS AND CONDITIONS SHOWN AND ASSUMED ON THE DRAWINGS MUST BE VERIFIED AT THE SITE BY THE CONTRACTOR BEFORE ORDERING ANY MATERIAL OR DOING ANY WORK. ANY DISCREPANCIES IN THE DRAWINGS AND SPECIFICATIONS SHALL BE REPORTED TO THE AUTHORITY. NO CHANGE IN DRAWINGS OR SPECIFICATIONS IS PERMISSIBLE WITHOUT THE WRITTEN CONSENT OF THE ARCHITECT AND ENGINEER. NO WORK SHALL PROCEED UNTIL SUCH DISCREPANCY HAS BEEN RECTIFIED.
5. ANY VARIATION FROM CONDITIONS SHOWN ON THESE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE. AFFECTED WORK SHALL NOT PROCEED UNTIL CLARIFICATION HAS BEEN RECEIVED.
6. ALL WORK OF THIS CONTRACT SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THE BUILDING CODE NEW YORK STATE AND REGULATIONS OF OTHER AGENCIES HAVING JURISDICTION ON THE WORK OF THIS CONTRACT.
7. ALL WORK ON THESE DRAWINGS SHALL BE CONSIDERED NEW WORK WHETHER STATED OR NOT EXCEPT WHERE SPECIFICALLY NOTED AS "EXISTING TO REMAIN".
8. DISCREPANCIES AND OMISSIONS ON DRAWINGS AND SPECIFICATIONS SHALL BE REPORTED TO THE OWNER'S REPRESENTATIVE IN WRITING FOR CLARIFICATION.
9. SET ALL WORK STRAIGHT, PLUMB AND LEVEL OR WITH INDICATED SLOPE.
10. THE CONTRACTOR SHALL USE THE APPROVED STANDARDS: A.I.S.C. FEDERAL, U.S., ETC. STANDARDS OF THEIR TRADES. ALL CONSTRUCTION SHALL BE PERFORMED TO THESE STANDARDS.
11. IF AMBIGUITIES EXIST IN THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL INCLUDE IN HIS BID THE MORE EXPENSIVE MATERIAL OR METHOD OF WORK.
12. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF DEBRIS. THE CONTRACTOR SHALL KEEP WORK SITE FREE FROM DEBRIS AND ACCUMULATED REFUSE, AND SHALL HAVE SOLE RESPONSIBILITY FOR PROTECTING ALL DANGEROUS AREAS FROM ENTRY BY UNAUTHORIZED PARTIES. SITE SHALL BE LEFT BROOM CLEAN AT THE END OF EACH WORKING DAY.
13. LARGE SCALE DETAILS HAVE PRECEDENCE, HOWEVER WORK INDICATED ON SMALL SCALE DRAWINGS SHALL NOT BE OMITTED. SIMILARLY, NOTES TAKE PRECEDENCE OVER SCHEDULES, PIPING AND WIRE DIAGRAMS. HOWEVER, WORK SHOWN OR DESCRIBED BY OTHER METHODS SHALL NOT BE OMITTED.
14. THE CONTRACTOR SHALL PATCH AND REPAIR ALL DAMAGED OR EXPOSED SURFACES DUE TO CONTRACT WORK. ALL NEWLY INSTALLED, PATCHED WORK AND ALL AFFECTED AREAS SHALL BE PAINTED. ALL PAINTING WORK SHALL BE PERFORMED TO COVER THE ENTIRE HORIZONTAL OR VERTICAL SURFACE TO THE CLOSEST CORNER IN ALL FOUR DIRECTIONS. COLOR TO MATCH EXISTING CONDITIONS.
15. THE CONTRACTOR SHALL FURNISH AND INSTALL NEW MATERIALS AT NO ADDITIONAL COST TO THE OWNER FOR THE FOLLOWING CONDITIONS:
    A) TO FURNISH THE WORK OF THIS CONTRACT IN WORKMANLIKE MANNER.
16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADEQUATELY BRACING AND PROTECTING ALL WORK DURING CONSTRUCTION AGAINST DAMAGE, BREAKAGE, COLLAPSE, DISTORTIONS AND OFF ALIGNMENTS ACCORDING TO CODES AND STANDARDS OF GOOD PRACTICE.
17. THE CONTRACTOR SHALL INCLUDE ALL PROPRIETARY AND ASSOCIATED SUPPLEMENTARY WORK TO PROVIDE A COMPLETE AND FINISHED INSTALLATION.
18. WHERE MANUFACTURER'S NAMES AND PRODUCT NUMBERS ARE INDICATED ON DRAWINGS, IT SHALL BE CONSTRUCTED TO MEAN THE ESTABLISHMENT OF QUALITY AND PERFORMANCE STANDARDS OF SUCH ITEMS. ALL OTHER PRODUCTS MUST BE SUBMITTED TO THE ARCHITECT FOR APPROVAL IN ACCORDANCE TO CONTRACT DOCUMENT REQUIREMENT BEFORE THEY SHALL BE DEEMED EQUAL.
19. FIRESTOPPING SHALL BE INSTALLED AT ALL PENETRATIONS OF FIRE RATED CONSTRUCTION AS PER SPECIFICATIONS.
20. PROVIDE GUARDS, RAILS, BARRICADES, FENCES, SIDEWALK SHEDS, CATCH PLATFORMS, DECKING, NIGHT LIGHTING, ETC., AS REQUIRED. TO PROVIDE ADEQUATE PROTECTION.
21. THE CONTRACTOR SHALL, UNLESS OTHERWISE PROVIDED IN THE CONTRACT DOCUMENTS, SECURE AND PAY FOR REQUIRED INSPECTIONS, PERMIT(S), FEES, LICENSE AND INSPECTIONS NECESSARY FOR THE PROPER EXECUTION OF THE WORK.
22. ADDITIONAL NOTES WHICH ARE APPLICABLE TO THIS PROJECT MAY BE FOUND THROUGHOUT THE CONTRACT DOCUMENTS.
23. SEISMIC RESTRAINTS SHALL BE PROVIDED, IN ACCORDANCE TO APPLICABLE CODES.
24. FOR ALL ITEMS THAT ARE REQUIRED TO HAVE SEISMIC SUPPORTS OR RESTRAINTS, SEISMIC PLANS AND SEISMIC RESTRAINT CALCULATIONS SHALL BE PREPARED, SEALED AND SIGNED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF NEW YORK ENGAGED BY THE CONTRACTOR. THE ENGINEER SHALL PROVIDE INSTALLATION SUPERVISION OF ALL SEISMIC SUPPORTS AND RESTRAINTS, UNLESS OTHERWISE NOTED.
25. REVIEW AND COORDINATE ALL CONDITIONS (INCLUDING BUT NOT LIMITED TO PENETRATIONS, FABRICATIONS, INSTALLATIONS) FOR CONFORMANCE TO THE PLANS, SPECIFICATIONS, APPLICABLE REFERENCE STANDARDS AND OTHER PROVISIONS OF THE CONTRACT DOCUMENTS, AND COORDINATE ALL WORK WITH ALL OTHER TRADES.
26. ALL WORK MUST CONFORM TO ALL CODES HAVING JURISDICTION ANY CONFLICT OF OR BETWEEN CODE, THE MORE STRINGENT CODE SHALL SUPERSEDE ALL OTHERS.
27. USE ONLY NEW MATERIALS AND EQUIPMENT, WITHOUT DEFECTS FOR THEIR INTENDED USE.
28. CONTRACTORS SHALL PROTECT ALL AREAS OF EXISTING CONSTRUCTION AND RELATED ITEMS FROM DAMAGE DURING CONSTRUCTION OPERATIONS.
29. ALL OCCUPIED PORTION OF THE SCHOOL BUILDING SHALL ALWAYS COMPLY WITH THE MINIMUM REQUIREMENTS NECESSARY TO MAINTAIN A CERTIFICATE OF OCCUPANCY.
30. ALL MEASUREMENTS AND CONDITIONS TO BE VERIFIED AT THE BUILDING BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE THEREFORE.
31. ALL CONTRACTORS SHALL MEET THE FOLLOWING MINIMUM SAFETY AND SECURITY STANDARDS FOR CONSTRUCTION PROJECTS.
    a) ALL CONSTRUCTION MATERIALS SHALL BE STORED IN A SAFE AND SECURE MANNER.
    b) FENCES AROUND CONSTRUCTION SUPPLIES AND DEBRIS SHALL BE MAINTAINED.
    c) WORKERS SHALL BE REQUIRED TO WEAR PHOTO IDENTIFICATION BADGES AT ALL TIMES FOR IDENTIFICATION AND SECURITY PURPOSES WHILE WORKING ON SITE.
32. a) REMOVAL OF ALL DEBRIS SHALL BE THROUGH DESIGNATED, SEPARATED AND PROTECTED AREAS OF THE BUILDING. THERE SHALL BE NO MOVEMENT OF DEBRIS OR EQUIPMENT THROUGH OCCUPIED SPACES OF THE BUILDING.
    b) ALL OCCUPIED PARTS OF A BUILDING AFFECTED BY CONSTRUCTION ACTIVITY SHALL BE CLEANED AT THE CLOSE OF EACH WORK DAY.
33. CONTRACTOR SHALL MAKE THE BUILDING SECURE AT THE END OF EACH WORK DAY. PROVIDE TEMPORARY PLYWOOD COVERS OVER WINDOW/ DOOR OPENINGS AS REQUIRED TO SECURE BUILDING TO THE OWNERS SATISFACTION.
34. CLEANING DURING WINDOW WORK:
    –PRIOR TO START OF WINDOW WORK IN A SPACE, THE CONTRACTOR WILL MOVE ALL FURNITURE, EQUIPMENT AND MATERIALS TO A SPACE OPPOSITE IN THE ROOM FROM THE WINDOW. THE MATERIALS, EQUIPMENT AND FURNITURE WILL BE COVERED WITH SHEETING AT LEAST 1 MIL. THICK. THE MATERIALS ARE TO BE PROTECTED THROUGHOUT THE WORK. THROUGHOUT THE PROJECT, GARBAGE AND DEBRIS BOTH INSIDE AND OUTSIDE ARE TO BE CLEANED ON DAILY BASIS.
    –AT THE COMPLETION OF THE WINDOW WORK, THE MATERIALS, EQUIPMENT AND FURNITURE WILL BE MOVED BACK TO THEIR ORIGINAL LOCATION BY DISTRICT PERSONNEL.
    –THE CONTRACTOR SHALL CLEAN MATERIALS, EQUIPMENT AND FURNITURE SURFACES AND BROOM CLEANED THE FLOORS.

GENERAL REMOVAL NOTES:

1. REMOVAL DRAWINGS INDICATE ONLY MAJOR SCOPE OF REMOVALS. CONTRACTOR IS REQUIRED TO REMOVE ANY AND ALL ITEMS NOT SHOWN AS REQUIRED TO SUIT ALL NEW WORK. CONTRACTOR IS REQUIRED TO REMOVE, PROTECT AND STORE ANY AND ALL ITEMS SHOWN AS REQUIRED TO SUIT ALL NEW WORK. COORDINATE W/ OWNER FOR STORING LOCATIONS.
2. CONTRACTOR IS TO VERIFY ANY MAJOR DIMENSIONAL DEVIATIONS FROM DRAWINGS OR STRUCTURAL OBSTRUCTIONS. THESE SHALL BE BROUGHT TO THE OWNER'S REPRESENTATIVE'S ATTENTION. ALL CONTRACT DRAWINGS INDICATE APPROXIMATE DIMENSIONS AND EXISTING CONDITIONS BASED ON FIELD SURVEY AND DRAWINGS FURNISHED BY THE OWNER. VARIATIONS MAY EXIST AS TO FIELD CONDITIONS. THE COST FOR ANY SUCH VARIATIONS SHALL BE INCLUDED WITHIN THE CONTRACT BID.
3. ALL SURFACES DISTURBED BY REMOVALS SHALL BE PATCHED/REPAIRED TO MATCH EXISTING ADJACENT FINISHES, COORDINATE AND PREPARE SURFACES TO ACCOMMODATE WITH NEW FINISH ACCORDING TO SPECS AND MANUFACTURER'S RECOMMENDATIONS.
4. GENERAL CONTRACTOR SHALL FIRE STOP ALL TRADE RELATED EXISTING OR NEW PENETRATIONS THROUGH FLOORS, PARTITIONS AND WALLS AT ALL LOCATIONS WITH APPROVED MATERIALS AND SYSTEMS.
5. ALWAYS WORK IN A MANNER WHICH PROVIDES CONTINUOUS SUPPORT TO STRUCTURE ABOVE. PROVIDE APPROPRIATE LINTEL FOR ALL OPENINGS UNLESS SPECIFIED OTHERWISE.
6. REMOVE ALL WINDOW TREATMENTS AND HARDWARE WHERE WINDOWS ARE BEING REPLACED. IF REQUESTED, TURNOVER TO OWNER.
7. GENERAL CONTRACTOR TO COORDINATE REMOVALS WITH NEW WORK.
8. FOR ABATEMENT OF HAZARDOUS/ TOXIC MATERIALS REFER TO HAZARDOUS MATERIALS DRAWINGS AND SPECIFICATIONS.
9. ABATEMENT OF HAZARDOUS MATERIAL SHALL BE COORDINATED WITH REMOVAL WORK.

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WWW.FULLERDANGELO.COM

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

YPS JOB # 10878

PROJECT TITLE
YONKERS PUBLIC SCHOOL DISTRICT
PS 29 - BOILER REPLACEMENT, HVAC UPGRADES & ASBESTOS ABATEMENT PHASE 2 OF 3
47 CROTON ROAD, YONKERS N.Y. 10710

DRAWING TITLE
LOCATION MAP, ABBREVIATIONS, LEGENDS, GENERAL NOTES, GENERAL WINDOW NOTES & GENERAL REMOVAL NOTES

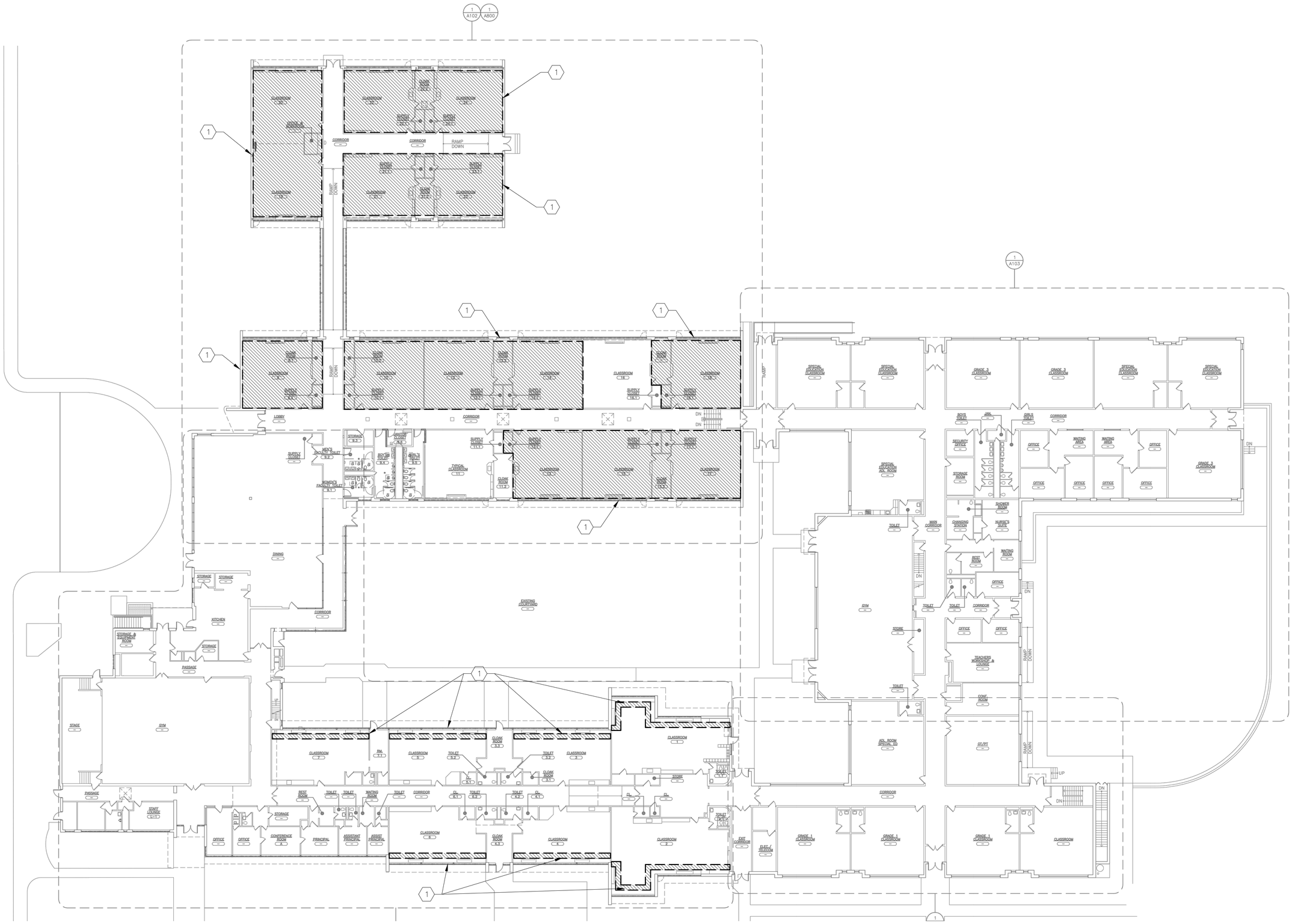
DATE	ISSUED TO
10-21-2023	BID
11-06-2020	100% C.D. SUBMISSION
06-01-2020	100% D.D. SUBMISSION
05-01-2020	50% D.D. SUBMISSION

SHEET SIZE: 30"x42"
DRAWING NO.: G1
SCALE: AS NOTED
DRAWN BY: F & D
FILE NO.: 19359.00

PLOT DATE: October 19, 2022 - 2:59pm

FILE: I:\19359.00 Yonkers PS 29 Windows Masonry and Site\DRAWINGS\CURRENT\1-F&D\PS 29 Phase 2 HVAC & Flooring\19359.00-G-1.dwg

KEY			
ITEM	ASBESTOS CONTAINING MATERIAL	APPROXIMATE QUANTITY	LEGEND
1	FLOOR TILE & MASTIC	15,000 SF	



ROOF PLAN

0 4' 8' 16'

SCALE: 1/16"=1'-0"

PROJECT NORTH

AS PER USA CONGRESS ARCHITECTURAL WORKS COPYRIGHT PROTECTION ACT OF 1990 ALL IDEAS AND DESIGNS INCLUDING DERIVATIVES THEREOF, ALL DRAWINGS AND SPECIFICATIONS CONSTITUTE THE ORIGINAL COPYRIGHT WORK BY FULLER AND D'ANGELO, P.C. (F&D). THE DRAWINGS AND SPECIFICATIONS AS INSTRUMENTS OF SERVICE BY F&D ARE CREATED BY F&D FOR THIS PROJECT ONLY AND REMAIN THE PROPERTY OF F&D. ANY REPRODUCTION WITHOUT THE PRIOR CONSENT OF F&D IS PROHIBITED.

ENVIRONMENTAL CONSULTANT :
warrenpanzer
Warren Panzer Engineers, P.C.
228 East 45th Street, 21st Floor
New York, New York 10017
(212) 922-0077

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SEAL:

STATE OF NEW YORK
076079
REGISTERED PROFESSIONAL ENGINEER

S.E.D. CONTROL NUMBER:

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

YPS JOB # 10878

PROJECT TITLE
YONKERS SCHOOL DISTRICT
PS 29 - BOILER REPLACEMENT HVAC UPGRADES & ASBESTOS ABATEMENT PHASE 2 OF 3
47 CROTON ROAD, YONKERS N.Y. - 10710

DRAWING TITLE
1ST FLOOR
ASBESTOS CONTAINING MATERIAL
LOCATION DRAWING

DATE	ISSUED TO
10-21-2023	BID
11-06-2020	100% C.D. SUBMISSION
06-01-2020	100% D.D. SUBMISSION
05-01-2020	50% D.D. SUBMISSION

SHEET SIZE	DRAWING NO.
30"x42"	PS29 ASB-100
SCALE: AS NOTED	
DRAWN BY: F & D	FILE NO. 19359.00

PLOT DATE: October 19, 2022 - 4:11pm

FILE: C:\Users\AV\Warren and Panzer Engineers, P.C\CAD - Documents\258 Fuller DAngelo\19 - Yonkers Public Schools\18 - PS 29\258.19.18 WP ACM Drawing 30X42.dwg

CROYDON ROAD

ALLENDALE ROAD

MAIN BUILDING

COURTYARD

PLAY SET

CONSTRUCTION TRAILER LOCATION.

ROXBURY DRIVE

615.00'

S 42°07'06" W

N 47°52'54" W

100.00'

N 42°07'06" E

894.08'

(50' R.O.W.)

(50 ft. Wide Right of Way)

R=289.75
L=289.05
SMH
Rim=301.75

SMH
Rim=313.31
I=302.21
I=302.11

Railing

Fence

Pool

Mailbox

Abandoned Location of Gas Line

C.B.-1

1 SITE PLAN
SCALE: 1" = 20'-0"

0' 2' 5' 10' 20' 40'

N

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

YPS JOB # 10878

PROJECT TITLE
YONKERS CITY SCHOOL DISTRICT
PS 29 - BOILER REPLACEMENT, HVAC UPGRADES & ASBESTOS ABATEMENT, PHASE 2 OF 3
47 CROYDON ROAD, YONKERS N.Y. 10710

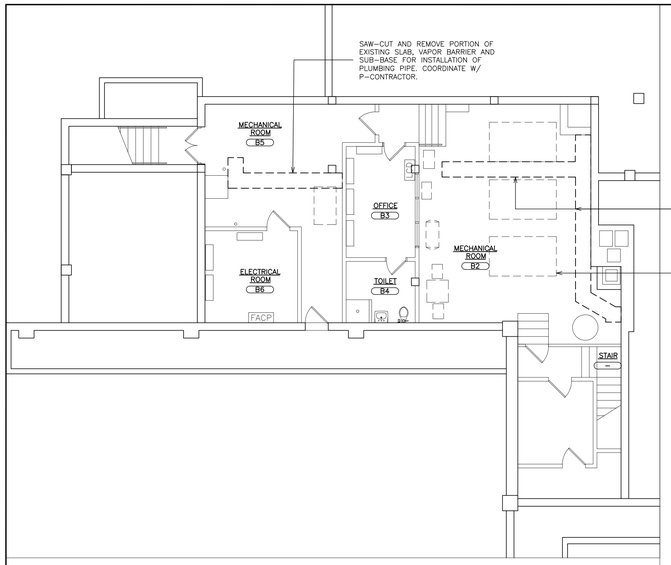
DRAWING TITLE
SITE PLAN

DATE	ISSUED TO
10-21-2023	BID
11-06-2020	100% C.D. SUBMISSION
06-01-2020	100% D.D. SUBMISSION
05-01-2020	50% D.D. SUBMISSION

SHEET SIZE 30"x42"
DRAWING NO. A10
SCALE AS NOTED
DRAWN BY F & D
FILE NO. 19359.00

PLOT DATE: October 20, 2022 - 9:52am

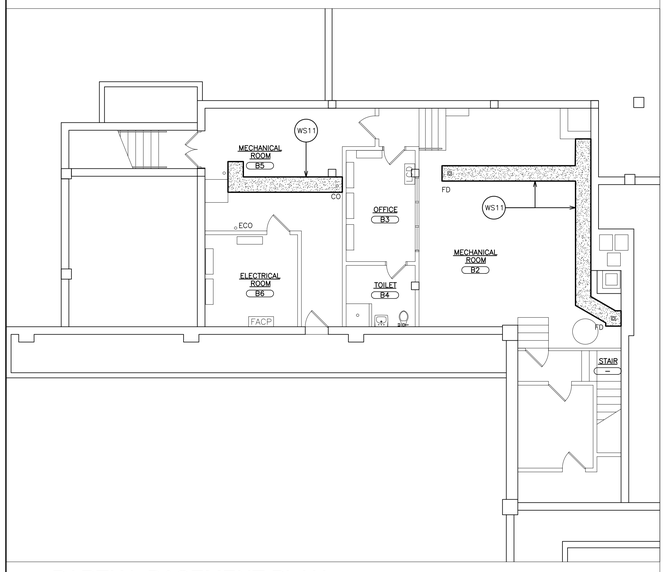
FILE: I:\19359.00 Yonkers PS 29 Windows Masonry and Site\DRAWINGS\CURRENT\1-F&D\PS 29 Phase 2 HVAC & Flooring\19359.00-A10.dwg



2 PARTIAL BASEMENT REMOVAL PLAN

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

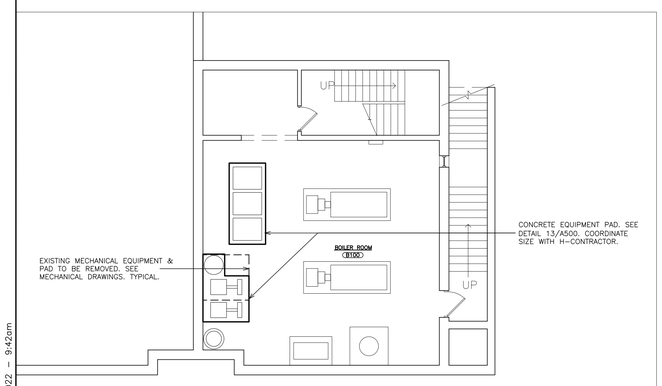
0 2' 4' 8' 16' 32'



3 PARTIAL BASEMENT PLAN

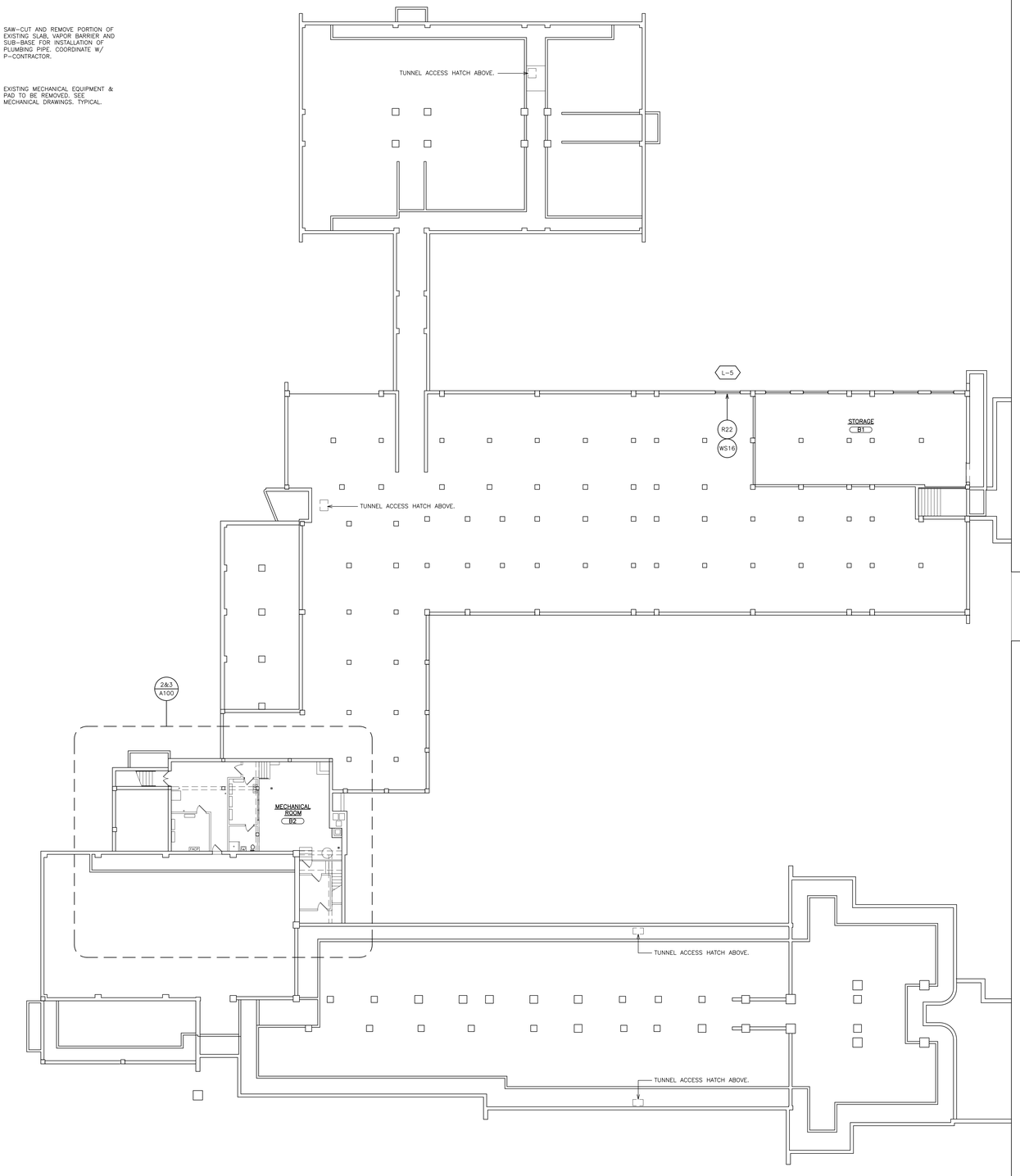
SCALE: 1/8" = 1'-0"

0 2' 4' 8' 16' 32'



4 PARTIAL BASEMENT PLAN

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



1 OVERALL BASEMENT PLAN

SCALE: 1/16" = 1'-0"

0 2' 4' 8' 16' 32'

REMOVAL NOTES:

- R1 NOT USED.
- R2 NOT USED.
- R3 NOT USED.
- R4 NOT USED.
- R5 NOT USED.
- R6 NOT USED.
- R7 NOT USED.
- R8 NOT USED.
- R9 NOT USED.
- R10 REMOVE EXISTING METAL RADIATOR COVER. SANDBLAST. PRIME AND POWDER COAT NEW FINISH. CLEAN DEBRIS FROM BACK BOX.
- R11 NOT USED.
- R12 NOT USED.
- R13 NOT USED.
- R14 REMOVE EXISTING CONVECTOR AND INFILL WITH CMU TOOTH INTO EXISTING CMU. SEE MECHANICAL DRAWING FOR ADDITION INFORMATION.
- R15 REMOVE EXISTING SUSPENDED CEILING ASSEMBLY (2x4 OR 2x2), SUSPENSION SYSTEM, PANELS, WALL ANGLES, SEISMIC TIES AND ALL RELATED ITEMS. COORDINATE WORK WITH E-CONTRACTOR. PATCH ALL DISTURBED SURFACES TO MATCH EXISTING ADJACENT SURFACES.
- R16 REMOVE EXISTING LIGHT FIXTURE. SEE ELECTRICAL DRAWINGS.
- R17 REMOVE EXISTING CEILING MOUNTED DEVICES. SEE ELECTRICAL DRAWINGS.
- R18 REMOVE EXISTING DIFFUSER. EXTEND AND MODIFY DUCTWORK TO LOCATION SHOWN. SEE M-DWGS.
- R19 NOT USED.
- R20 NOT USED.
- R21 NOT USED.
- R22 CAREFULLY DISCONNECT AND REMOVE EXISTING LOUVER, BLANK-OFF PANELS, BRACKETS, AND ALL ASSOCIATED ITEMS FROM EXISTING UNIT VENTILATORS.
- R23 NOT USED.
- R24 NOT USED.
- R25 REMOVE EXISTING CASEWORK, COUNTERTOPS, BASE AND ALL RELATED ITEMS. PATCH ALL DISTURBED SURFACES TO MATCH EXISTING ADJACENT SURFACES. REMOVE & REPLACE EXISTING VCT BACK TO THE NEXT FULL TILE FROM FACE OF NEW CASEWORK.
- R26 REMOVE EXISTING VCT FLOOR TILE, (MULTIPLE LAYER MAY EXIST) WALL BASE, TRANSITION STRIPS, MASTIC AND SUBSTRATE DOWN TO EXISTING SLAB. MECHANICALLY PROFILE 100% OF EXISTING FLOOR SLAB FOR NEW FLOOR FINISHES.
- R27 NOT USED.
- R28 NOT USED.
- R29 2x2 OR 2x4 SUSPENDED ACOUSTICAL CEILING, CONTRACTOR TO CAREFULLY REMOVE AND STORE EXISTING CEILING PANELS AND GRID SYSTEM AS REQUIRED TO ACCESS WORK AREAS. REPLACE ANY DAMAGED CEILING PANELS AND OR GRID. REINSTALL GRID AND PANELS UPON COMPLETION OF WORK. CONTRACTOR TO PROVIDE 2 BOXES OF EACH TYPE OF ACOUSTICAL CEILING PANELS (MATCH EXISTING) TO OWNER.
- R30 ELECTRICAL CONTRACTOR TO CAREFULLY REMOVE AND STORE EXISTING LIGHTING & CEILING MOUNTED DEVICES AS REQUIRED TO ACCESS WORK AREAS. REINSTALL LIGHTS & CEILING MOUNTED DEVICES UPON COMPLETION OF WORK. CONTRACTOR TO EXTEND WIRING AS REQUIRED FOR ANY CEILING MODIFICATIONS. TYPICAL.

COORDINATE ALL REMOVALS WITH ASBESTOS AND LEAD ABATEMENT DRAWINGS AND SPECIFICATIONS.

WORKSCOPE NOTES:

- WS1 NOT USED.
- WS2 NOT USED.
- WS3 NOT USED.
- WS4 PREPARE EXISTING WALL AND CEILING SURFACES FOR PAINTING. FLOOR TO CEILING REMOVAL ALL LOOSE MATERIALS AND DEGREASE AS REQUIRED TO THE SATISFACTION OF PAINT MANUFACTURE.
- WS5 BROOM SWEEP & VACUUM EXISTING CONCRETE FLOOR. WASH FLOOR WITH DEGREASING AGENT TO THE SATISFACTION OF THE EPOXY FLOOR MANUFACTURE. REMOVE ALL LOOSE CONCRETE AND PATCH WITH APPROVED PATCHING MATERIALS. PROVIDE EPOXY FLOOR PAINT OVER ENTIRE FLOOR SURFACE AND HOUSE KEEPING PADS.
- WS6 PROVIDE FLOOR FINISH. SEE FINISH SCHEDULE AND FINISH PLANS.
- WS7 PROVIDE CEMENT-BASED UNDERLAYMENT ON 100% FLOOR SURFACE TO ACHIEVE LEVEL & FLUSH CONDITION WITH ADJACENT FLOOR(S).
- WS8 PROVIDE NEW VCT FLOORING TO MATCH EXISTING ADJACENT TILE.
- WS9 NOT USED.
- WS10 NOT USED.
- WS11 PIPE TRENCH INFILL. SEE DETAILS 12/A500.
- WS12 NOT USED.
- WS13 NOT USED.
- WS14 NOT USED.
- WS15 VACUUM CLEAN THE EXISTING UNIT VENTILATOR BODY AND REPORT ANY DAMAGE TO THE OWNER'S REPRESENTATIVE.
- WS16 INSTALL NEW ALUMINUM LOUVER W/ BIRD, INSECT SCREEN AND INSULATED BLANK-OFF PANEL AND BRACKETS. EXTEND, MODIFY AND RECONNECT TO EXISTING AND OR NEW DUCTWORK. SEE LOUVER DETAILS.
- WS17 SCRAPE, WIRE BRUSH, PRIME AND PAINT EXISTING STEEL LINTEL. COLOR TO MATCH BRICK.
- WS18 PROVIDE NEW ACOUSTICAL CEILING PANELS IN EXISTING GRID CUT AS REQUIRED. PROVIDE WALL ANGLES AND RUNNERS SUPPORTS AS REQUIRED.
- WS19 NOT USED.
- WS20 REMOVE PORTION OF EXISTING ACOUSTICAL CEILING SYSTEM FOR INSTALLATION OF NEW PIPE WORK, TEMPORARILY SUPPORT ENDS OF SUSPENSION GRID. PROVIDE NEW GYPSUM BOARD SOFFIT. SEE DETAIL /A500.
- WS21 PROVIDE NEW LAMINATE CASEWORK, SOLID SURFACE COUNTERTOPS W/ PENCIL PROOF GRILLES. SEE DETAILS A151.
- WS22 PROVIDE SUSPENDED ACOUSTICAL CEILING SYSTEM & ALL RELATED ITEMS. ELECTRICAL CONTRACTOR REINSTALL EXISTING LIGHT FIXTURES & CEILING MOUNTED DEVICES. COORDINATE INSTALLATION. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- WS23 INSTALL NEW GALVANIZED STEEL LINTEL ANGEL WITH MIN. 8" BEARING EACH SIDE. PROVIDE SELF ADHERED MEMBRANE FLASHING, WEEP HOLES, REINSTALL EXISTING STONE. SEE DETAIL.
- WS24 PROVIDE NEW LED LIGHT FIXTURES. SEE ELECTRICAL DRAWINGS.
- WS25 PROVIDE CMU PARTITION / INFILL. TOOTHED INTO EXISTING CMU WALL. BLOCK FILL, PRIME AND PAINT.

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S.E.D. CONTROL NUMBER:

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

YPS JOB # 10878

PROJECT TITLE
YONKERS SCHOOL DISTRICT
PS 29 - BOILER REPLACEMENT, HVAC UPGRADES & ASBESTOS ABATEMENT PHASE 2 OF 3
47 CROTON ROAD, YONKERS N.Y. - 10710

DRAWING TITLE
OVERALL BASEMENT PLAN

DATE	ISSUED TO
10-21-2023	BID
11-06-2020	100% C.D. SUBMISSION
06-01-2020	100% D.D. SUBMISSION
05-01-2020	50% D.D. SUBMISSION

SHEET SIZE 30"x42" | DRAWING NO. A100
SCALE AS NOTED
DRAWN BY F & D | FILE NO. 19359.00

PLOT DATE: October 20, 2022 - 9:42am

FILE: I:\19359.00 Yonkers PS 29 Windows Masonry and Site\DRAWINGS\CURRENT\1-F&D\PS 29 Phase 2 HVAC & Flooring\19359.00-A100.dwg

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

YPS JOB # 10878

PROJECT TITLE
YONKERS CITY SCHOOL DISTRICT
PS 29 - BOILER REPLACEMENT, HVAC UPGRADES & ASBESTOS ABATEMENT PHASE 2 OF 3
47 CROTON ROAD, YONKERS N.Y. - 10710

DRAWING TITLE
OVERALL FIRST FLOOR PLAN

DATE	ISSUED TO
10-21-2023	BID
11-06-2020	100% C.D. SUBMISSION
06-01-2020	100% D.D. SUBMISSION
05-01-2020	50% D.D. SUBMISSION

SHEET SIZE 30"x42"
DRAWING NO. A101
SCALE AS NOTED
DRAWN BY F & D
FILE NO. 19359.00

1 OVERALL FIRST FLOOR PLAN
SCALE: 1/16" = 1'-0"

0 2' 4' 8' 16' 32'

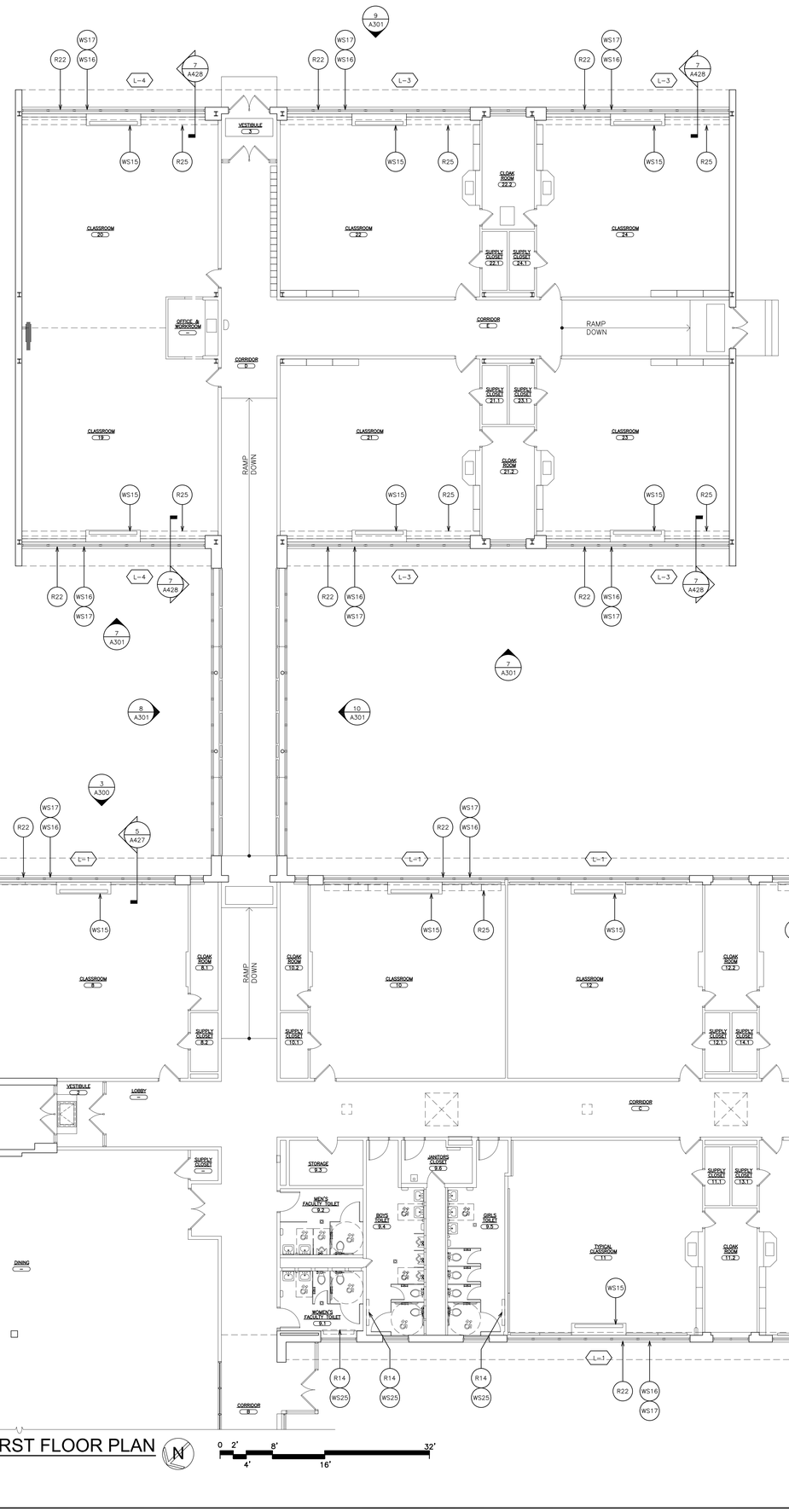
PLOT DATE: October 19, 2022 - 2:56pm

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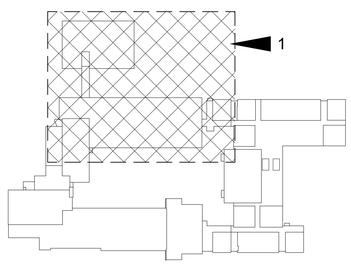
- R1 NOT USED.
- R2 NOT USED.
- R3 NOT USED.
- R4 NOT USED.
- R5 NOT USED.
- R6 NOT USED.
- R7 NOT USED.
- R8 NOT USED.
- R9 NOT USED.
- R10 REMOVE EXISTING METAL RADIATOR COVER. SANDBLAST. PRIME AND POWDER COAT NEW FINISH. CLEAN DEBRIS FROM BACK BOX.
- R11 NOT USED.
- R12 NOT USED.
- R13 NOT USED.
- R14 REMOVE EXISTING CONVECTOR AND INFILL WITH CMU TOOTH INTO EXISTING CMU. SEE MECHANICAL DRAWING FOR ADDITION INFORMATION.
- R15 REMOVE EXISTING SUSPENDED CEILING ASSEMBLY (2x4 OR 2x2), SUSPENSION SYSTEM, PANELS, WALL ANGLES, SEISMIC TIES AND ALL RELATED ITEMS. COORDINATE WORK WITH E-CONTRACTOR. PATCH ALL DISTURBED SURFACES TO MATCH EXISTING ADJACENT SURFACES.
- R16 REMOVE EXISTING LIGHT FIXTURE. SEE ELECTRICAL DRAWINGS.
- R17 REMOVE EXISTING CEILING MOUNTED DEVICES. SEE ELECTRICAL DRAWINGS.
- R18 REMOVE EXISTING DIFFUSER. EXTEND AND MODIFY DUCTWORK TO LOCATION SHOWN. SEE M-DWGS.
- R19 NOT USED.
- R20 NOT USED.
- R21 NOT USED.
- R22 CAREFULLY DISCONNECT AND REMOVE EXISTING LOUVER, BLANK-OFF PANELS, BRACKETS, AND ALL ASSOCIATED ITEMS FROM EXISTING UNIT VENTILATORS.
- R23 NOT USED.
- R24 NOT USED.
- R25 REMOVE EXISTING CASEWORK, COUNTERTOPS, BASE AND ALL RELATED ITEMS. PATCH ALL DISTURBED SURFACES TO MATCH EXISTING ADJACENT SURFACES. REMOVE & REPLACE EXISTING VCT BACK TO THE NEXT FULL TILE FROM FACE OF NEW CASEWORK.
- R26 REMOVE EXISTING VCT FLOOR TILE, (MULTIPLE LAYER MAY EXIST) WALL BASE, TRANSITION STRIPS, MASTIC AND SUBSTRATE DOWN TO EXISTING SLAB. MECHANICALLY PROFILE 100% OF EXISTING FLOOR SLAB FOR NEW FLOOR FINISHES.
- R27 NOT USED.
- R28 NOT USED.
- R29 2x2 OR 2x4 SUSPENDED ACOUSTICAL CEILING, CONTRACTOR TO CAREFULLY REMOVE AND STORE EXISTING CEILING PANELS AND GRID SYSTEM AS REQUIRED TO ACCESS WORK AREAS. REPLACE ANY DAMAGED CEILING PANELS AND OR GRID. REINSTALL GRID AND PANELS UPON COMPLETION OF WORK. CONTRACTOR TO PROVIDE 2 BOXES OF EACH TYPE OF ACOUSTICAL CEILING PANELS (MATCH EXISTING) TO OWNER.
- R30 ELECTRICAL CONTRACTOR TO CAREFULLY REMOVE AND STORE EXISTING LIGHTING & CEILING MOUNTED DEVICES AS REQUIRED TO ACCESS WORK AREAS. REINSTALL LIGHTS & CEILING MOUNTED DEVICES UPON COMPLETION OF WORK. CONTRACTOR TO EXTEND WIRING AS REQUIRED FOR ANY CEILING MODIFICATIONS. TYPICAL.

COORDINATE ALL REMOVALS WITH ASBESTOS AND LEAD ABATEMENT DRAWINGS AND SPECIFICATIONS.



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

0 2' 4' 8' 16' 32'



KEY PLAN
SCALE N.T.S.

WORKSCOPE NOTES:

- WS1 NOT USED.
- WS2 NOT USED.
- WS3 NOT USED.
- WS4 PREPARE EXISTING WALL AND CEILING SURFACES FOR PAINTING. FLOOR TO CEILING REMOVAL ALL LOOSE MATERIALS AND DEGREASE AS REQUIRED TO THE SATISFACTION OF PAINT MANUFACTURE.
- WS5 BROOM SWEEP & VACUUM EXISTING CONCRETE FLOOR. WASH FLOOR WITH DEGREASING AGENT TO THE SATISFACTION OF THE EPOXY FLOOR MANUFACTURE. REMOVE ALL LOOSE CONCRETE AND PATCH WITH APPROVED PATCHING MATERIALS. PROVIDE EPOXY FLOOR PAINT OVER ENTIRE FLOOR SURFACE AND HOUSE KEEPING PADS.
- WS6 PROVIDE FLOOR FINISH. SEE FINISH SCHEDULE AND FINISH PLANS.
- WS7 PROVIDE CEMENT-BASED UNDERLAYMENT ON 100% FLOOR SURFACE TO ACHIEVE LEVEL & FLUSH CONDITION WITH ADJACENT FLOOR(S).
- WS8 PROVIDE NEW VCT FLOORING TO MATCH EXISTING ADJACENT TILE.
- WS9 NOT USED.
- WS10 NOT USED.
- WS11 PIPE TRENCH INFILL. SEE DETAILS 12/A500.
- WS12 NOT USED.
- WS13 NOT USED.
- WS14 NOT USED.
- WS15 VACUUM CLEAN THE EXISTING UNIT VENTILATOR BODY AND REPORT ANY DAMAGE TO THE OWNER'S REPRESENTATIVE.
- WS16 INSTALL NEW ALUMINUM LOUVER W/ BIRD, INSECT SCREEN AND INSULATED BLANK-OFF PANEL AND BRACKETS. EXTEND, MODIFY AND RECONNECT TO EXISTING AND OR NEW DUCTWORK. SEE LOUVER DETAILS.
- WS17 SCRAPE, WIRE BRUSH, PRIME AND PAINT EXISTING STEEL LINTEL. COLOR TO MATCH BRICK.
- WS18 PROVIDE NEW ACOUSTICAL CEILING PANELS IN EXISTING GRID CUT AS REQUIRED. PROVIDE WALL ANGLES AND RUNNERS SUPPORTS AS REQUIRED.
- WS19 NOT USED.
- WS20 REMOVE PORTION OF EXISTING ACOUSTICAL CEILING SYSTEM FOR INSTALLATION OF NEW PIPE WORK, TEMPORARILY SUPPORT ENDS OF SUSPENSION GRID. PROVIDE NEW GYPSUM BOARD SOFFIT. SEE DETAIL /A500.
- WS21 PROVIDE NEW LAMINATE CASEWORK, SOLID SURFACE COUNTERTOPS W/ PENCIL PROOF GRILLES. SEE DETAILS A151.
- WS22 PROVIDE SUSPENDED ACOUSTICAL CEILING SYSTEM & ALL RELATED ITEMS. ELECTRICAL CONTRACTOR REINSTALL EXISTING LIGHT FIXTURES & CEILING MOUNTED DEVICES. COORDINATE INSTALLATION. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- WS23 INSTALL NEW GALVANIZED STEEL LINTEL ANGEL WITH MIN. 8" BEARING EACH SIDE. PROVIDE SELF ADHERED MEMBRANE FLASHING, WEEP HOLES, REINSTALL EXISTING STONE. SEE DETAIL.
- WS24 PROVIDE NEW LED LIGHT FIXTURES. SEE ELECTRICAL DRAWINGS.
- WS25 PROVIDE CMU PARTITION / INFILL. TOOTHED INTO EXISTING CMU WALL. BLOCK FILL, PRIME AND PAINT.

NOTE: SEE DRAWING A800 FOR FLOORING WORK.

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

YPS JOB # 10878

PROJECT TITLE
YONKERS CITY SCHOOL DISTRICT
PS 29 - BOILER REPLACEMENT, HVAC UPGRADES & ASBESTOS ABATEMENT PHASE 2 OF 3
47 CROYDON ROAD, YONKERS N.Y. - 10710

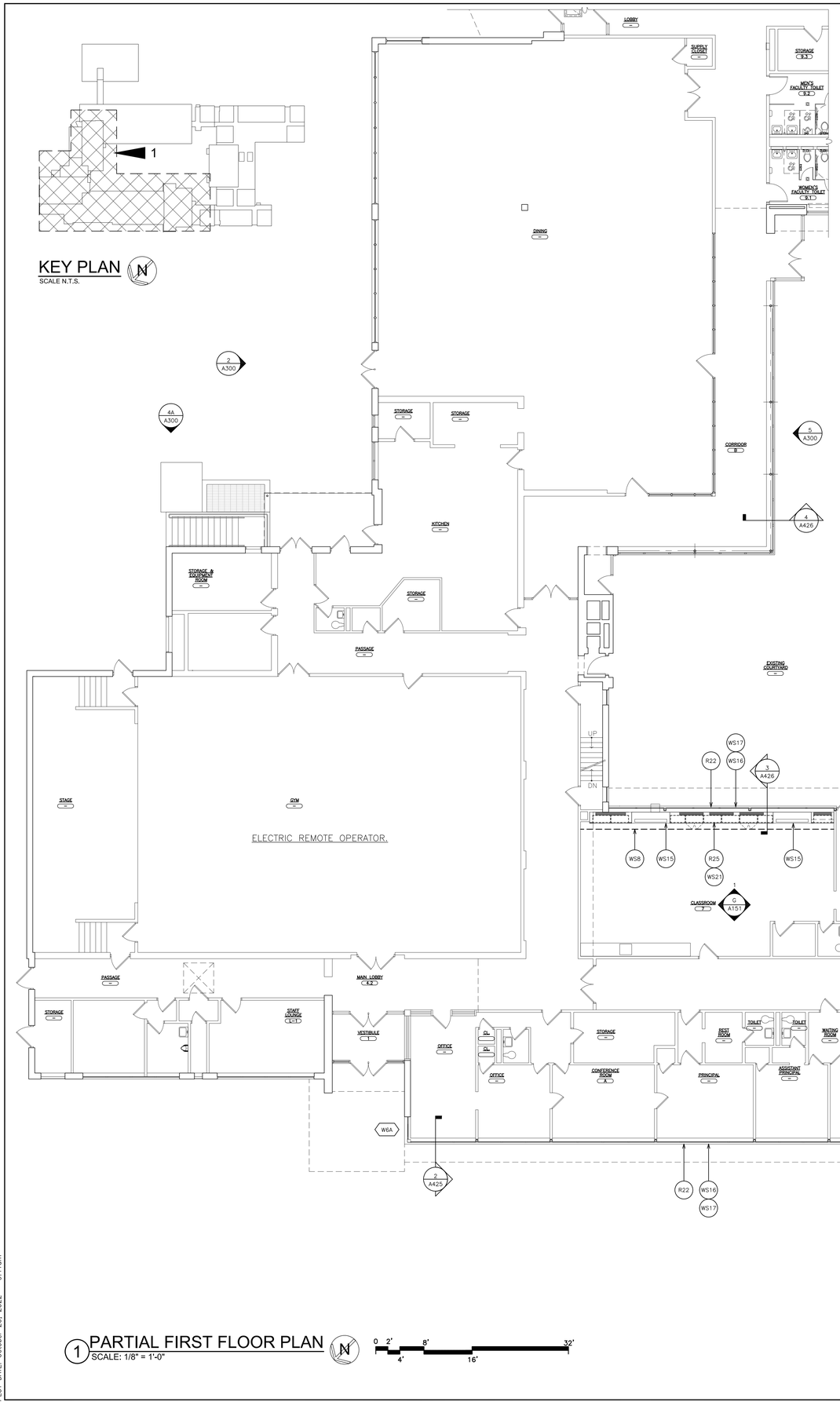
DRAWING TITLE
PARTIAL FIRST FLOOR PLAN

DATE	ISSUED TO
10-21-2023	BID
11-06-2020	100% C.D. SUBMISSION
06-01-2020	100% D.D. SUBMISSION
05-01-2020	50% D.D. SUBMISSION

SHEET SIZE 30"x42" | DRAWING NO. A102
SCALE AS NOTED
DRAWN BY F & D | FILE NO. 19359.00

PLOT DATE: October 20, 2022 - 9:41am

FILE: I:\19359.00 Yonkers PS 29 Windows Masonry and Site\DRAWINGS\CURRENT\1-F&D\PS 29 Phase 2 HVAC & Flooring\19359.00-A102-.dwg



REMOVAL NOTES:

- R1 NOT USED.
- R2 NOT USED.
- R3 NOT USED.
- R4 NOT USED.
- R5 NOT USED.
- R6 NOT USED.
- R7 NOT USED.
- R8 NOT USED.
- R9 NOT USED.
- R10 REMOVE EXISTING METAL RADIATOR COVER. SANDBLAST. PRIME AND POWDER COAT NEW FINISH. CLEAN DEBRIS FROM BACK BOX.
- R11 NOT USED.
- R12 NOT USED.
- R13 NOT USED.
- R14 REMOVE EXISTING CONVECTOR AND INFILL WITH CMU TOOTH INTO EXISTING CMU. SEE MECHANICAL DRAWING FOR ADDITION INFORMATION.
- R15 REMOVE EXISTING SUSPENDED CEILING ASSEMBLY (2x4 OR 2x2), SUSPENSION SYSTEM, PANELS, WALL ANGLES, SEISMIC TIES AND ALL RELATED ITEMS. COORDINATE WORK WITH E-CONTRACTOR. PATCH ALL DISTURBED SURFACES TO MATCH EXISTING ADJACENT SURFACES.
- R16 REMOVE EXISTING LIGHT FIXTURE. SEE ELECTRICAL DRAWINGS.
- R17 REMOVE EXISTING CEILING MOUNTED DEVICES. SEE ELECTRICAL DRAWINGS.
- R18 REMOVE EXISTING DIFFUSER. EXTEND AND MODIFY DUCTWORK TO LOCATION SHOWN. SEE M-DWGS.
- R19 NOT USED.
- R20 NOT USED.
- R21 NOT USED.
- R22 CAREFULLY DISCONNECT AND REMOVE EXISTING LOUVER, BLANK-OFF PANELS, BRACKETS, AND ALL ASSOCIATED ITEMS FROM EXISTING UNIT VENTILATORS.
- R23 NOT USED.
- R24 NOT USED.
- R25 REMOVE EXISTING CASEWORK, COUNTERTOPS, BASE AND ALL RELATED ITEMS. PATCH ALL DISTURBED SURFACES TO MATCH EXISTING ADJACENT SURFACES. REMOVE & REPLACE EXISTING VCT BACK TO THE NEXT FULL TILE FROM FACE OF NEW CASEWORK.
- R26 REMOVE EXISTING VCT FLOOR TILE, (MULTIPLE LAYER MAY EXIST) WALL BASE, TRANSITION STRIPS, MASTIC AND SUBSTRATE DOWN TO EXISTING SLAB. MECHANICALLY PROFILE 100% OF EXISTING FLOOR SLAB FOR NEW FLOOR FINISHES.
- R27 NOT USED.
- R28 NOT USED.
- R29 2x2 OR 2x4 SUSPENDED ACOUSTICAL CEILING, CONTRACTOR TO CAREFULLY REMOVE AND STORE EXISTING CEILING PANELS AND GRID SYSTEM AS REQUIRED TO ACCESS WORK AREAS. REPLACE ANY DAMAGED CEILING PANELS AND OR GRID. REINSTALL GRID AND PANELS UPON COMPLETION OF WORK. CONTRACTOR TO PROVIDE 2 BOXES OF EACH TYPE OF ACOUSTICAL CEILING PANELS (MATCH EXISTING) TO OWNER.
- R30 ELECTRICAL CONTRACTOR TO CAREFULLY REMOVE AND STORE EXISTING LIGHTING & CEILING MOUNTED DEVICES AS REQUIRED TO ACCESS WORK AREAS. REINSTALL LIGHTS & CEILING MOUNTED DEVICES UPON COMPLETION OF WORK. CONTRACTOR TO EXTEND WIRING AS REQUIRED FOR ANY CEILING MODIFICATIONS. TYPICAL.

COORDINATE ALL REMOVALS WITH ASBESTOS AND LEAD ABATEMENT DRAWINGS AND SPECIFICATIONS.

WORKSCOPE NOTES:

- WS1 NOT USED.
- WS2 NOT USED.
- WS3 NOT USED.
- WS4 PREPARE EXISTING WALL AND CEILING SURFACES FOR PAINTING. FLOOR TO CEILING REMOVAL ALL LOOSE MATERIALS AND DEGREASE AS REQUIRED TO THE SATISFACTION OF PAINT MANUFACTURE.
- WS5 BROOM SWEEP & VACUUM EXISTING CONCRETE FLOOR. WASH FLOOR WITH DEGREASING AGENT TO THE SATISFACTION OF THE EPOXY FLOOR MANUFACTURE. REMOVE ALL LOOSE CONCRETE AND PATCH WITH APPROVED PATCHING MATERIALS. PROVIDE EPOXY FLOOR PAINT OVER ENTIRE FLOOR SURFACE AND HOUSE KEEPING PADS.
- WS6 PROVIDE FLOOR FINISH. SEE FINISH SCHEDULE AND FINISH PLANS.
- WS7 PROVIDE CEMENT-BASED UNDERLAYMENT ON 100% FLOOR SURFACE TO ACHIEVE LEVEL & FLUSH CONDITION WITH ADJACENT FLOOR(S).
- WS8 PROVIDE NEW VCT FLOORING TO MATCH EXISTING ADJACENT TILE.
- WS9 NOT USED.
- WS10 NOT USED.
- WS11 PIPE TRENCH INFILL. SEE DETAILS 12/A500.
- WS12 NOT USED.
- WS13 NOT USED.
- WS14 NOT USED.
- WS15 VACUUM CLEAN THE EXISTING UNIT VENTILATOR BODY AND REPORT ANY DAMAGE TO THE OWNER'S REPRESENTATIVE.
- WS16 INSTALL NEW ALUMINUM LOUVER W/ BIRD, INSECT SCREEN AND INSULATED BLANK-OFF PANEL AND BRACKETS. EXTEND, MODIFY AND RECONNECT TO EXISTING AND OR NEW DUCTWORK. SEE LOUVER DETAILS.
- WS17 SCRAPE, WIRE BRUSH, PRIME AND PAINT EXISTING STEEL LINTEL. COLOR TO MATCH BRICK.
- WS18 PROVIDE NEW ACOUSTICAL CEILING PANELS IN EXISTING GRID CUT AS REQUIRED. PROVIDE WALL ANGLES AND RUNNERS SUPPORTS AS REQUIRED.
- WS19 NOT USED.
- WS20 REMOVE PORTION OF EXISTING ACOUSTICAL CEILING SYSTEM FOR INSTALLATION OF NEW PIPE WORK, TEMPORARILY SUPPORT ENDS OF SUSPENSION GRID. PROVIDE NEW GYPSUM BOARD SOFFIT. SEE DETAIL /A500.
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- WS24 PROVIDE NEW LED LIGHT FIXTURES. SEE ELECTRICAL DRAWINGS.
- WS25 PROVIDE CMU PARTITION / INFILL. TOOTHED INTO EXISTING CMU WALL. BLOCK FILL, PRIME AND PAINT.

NOTE: SEE DRAWING A800 FOR FLOORING WORK.

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S.E.D. CONTROL NUMBER:

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

YPS JOB # 10878

YONKERS CITY SCHOOL DISTRICT
PS 29 - BOILER REPLACEMENT, HVAC UPGRADES & ASBESTOS ABATEMENT PHASE 2 OF 3
47 CROTON ROAD, YONKERS N.Y. 10710

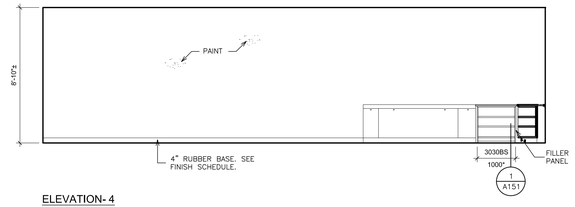
DRAWING TITLE: PARTIAL FIRST FLOOR PLAN

DATE	ISSUED TO
10-21-2023	BID
11-06-2020	100% C.D. SUBMISSION
06-01-2020	100% D.D. SUBMISSION
05-01-2020	50% D.D. SUBMISSION

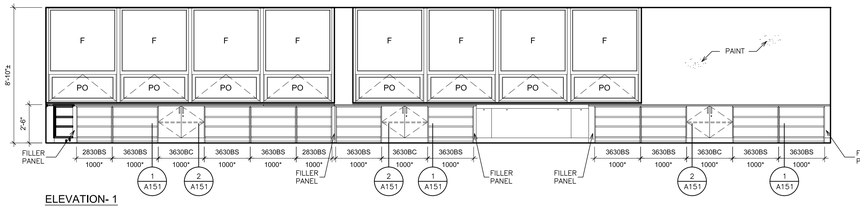
SHEET SIZE	DRAWING NO.
30"x42"	A103
SCALE: AS NOTED	
DRAWN BY: F & D	FILE NO.: 19359.00

PLOT DATE: October 20, 2022 - 9:41am

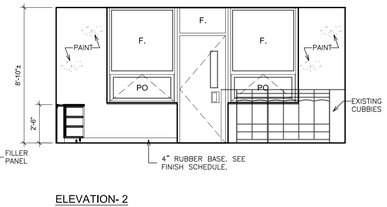
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ELEVATION- 4



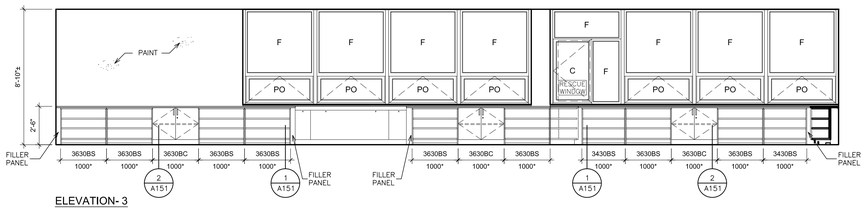
ELEVATION- 1



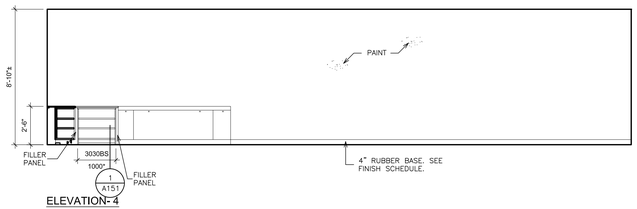
ELEVATION- 2

A INTERIOR ELEVATIONS - CLASSROOM 1

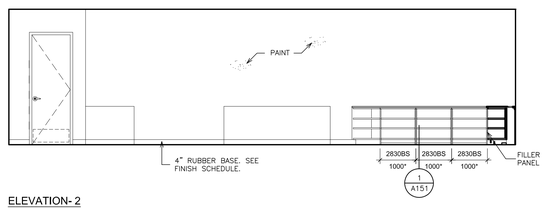
SCALE: 1/4" = 1'-0"



ELEVATION- 3



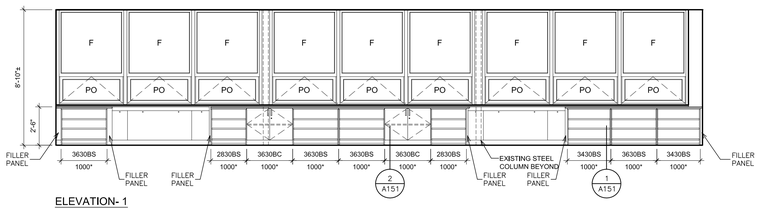
ELEVATION- 4



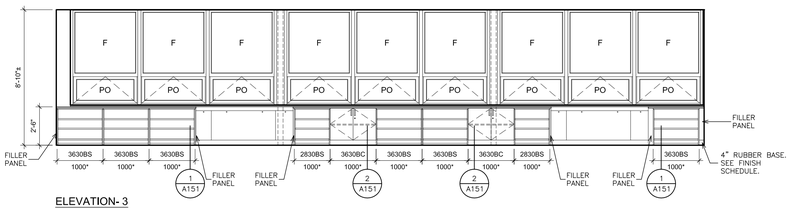
ELEVATION- 2

B INTERIOR ELEVATIONS - CLASSROOM 2

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



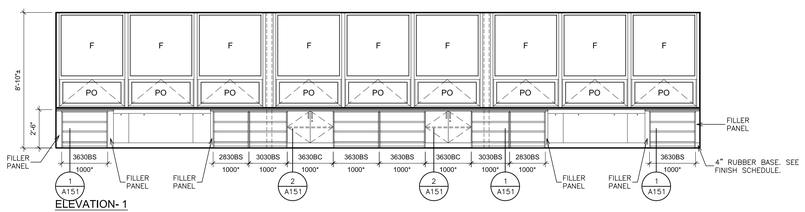
ELEVATION- 1



ELEVATION- 3

C INTERIOR ELEVATIONS - CLASSROOM 3

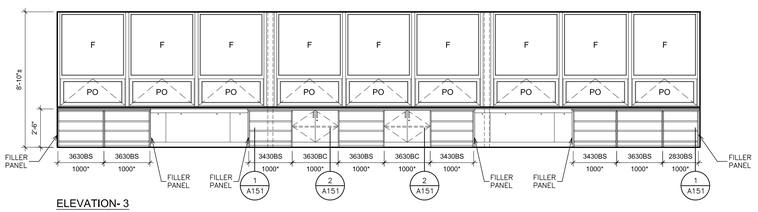
SCALE: 1/4" = 1'-0"



ELEVATION- 1

D INTERIOR ELEVATIONS - CLASSROOM 4

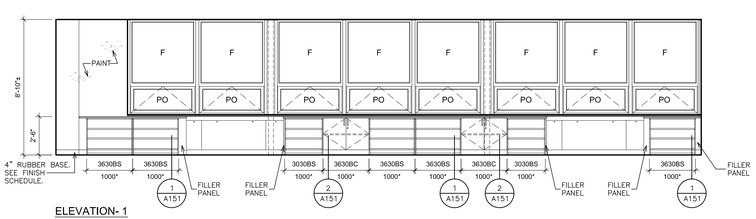
SCALE: 1/4" = 1'-0"



ELEVATION- 3

E INTERIOR ELEVATIONS - CLASSROOM 5

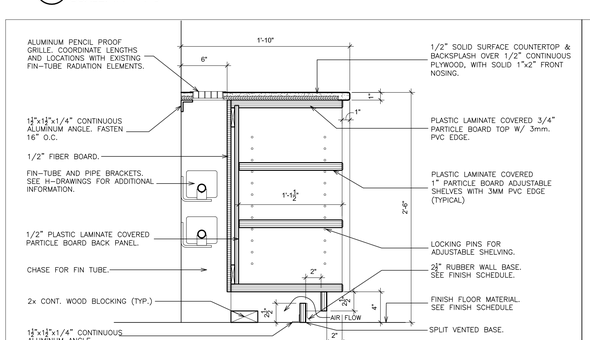
SCALE: 1/4" = 1'-0"



ELEVATION- 1

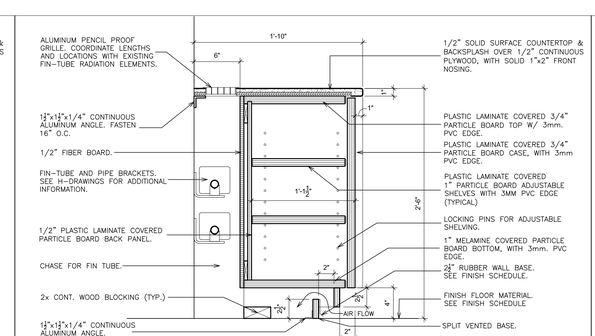
F INTERIOR ELEVATIONS - CLASSROOM 6

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



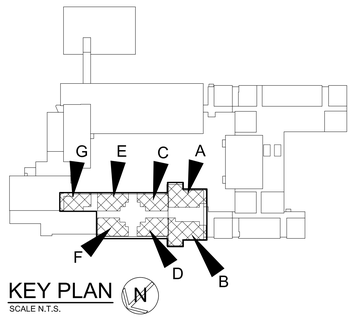
1 DETAIL- OPEN SHELVES

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



2 DETAIL- BASE CABINET

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



KEY PLAN

SCALE N.T.S.

LEGEND

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

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

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

LAMINATE CASEWORK NOTES

1. PLASTIC LAMINATE FINISH ON ALL EXPOSED TO VIEW INTERIOR AND EXTERIOR SURFACES.
2. DETAILS AND MODEL NUMBERS INDICATED ARE BASED ON LSI CORPORATION CASEWORK. MODEL NUMBERS FOLLOWED BY (*) ARE MODIFIED UNITS.
3. PROVIDE BLOCKING AS REQUIRED TO SUPPORT CASEWORK ON ALL DRYWALL PARTITIONS AND WALLS. PROVIDE CONCEALED SOLID BLOCKING WHERE CASEWORK ABUTTS NEW CONSTRUCTION (OR FURRING).
4. PROVIDE ACCESS DOORS IN REAR OF CABINETS TO PERMIT ACCESS TO FIN-TUBE RADIATION ELEMENTS, CONTROLS AND OTHER ITEMS. ALL FASTENERS ARE TO BE TAMPERPROOF. COORDINATE WITH OTHER TRADES.
5. SEE FINISH SCHEDULE FOR COLORS.
6. HEIGHT DIMENSIONS SHOWN ON ELEVATIONS INCLUDE COUNTERTOP.
7. ALL DIMENSIONS AND WALL CONDITIONS ARE TO BE FIELD VERIFIED. (COLUMNS, WINDOWS, DOOR JAMBS, ETC.).
8. SEE SPECIFICATIONS SECTION "JOINT SEALANT" FOR SEALANT APPLICATIONS.
9. ALL GRILLES WITHIN CASEWORK SHALL BE FURNISHED AND INSTALLED BY THE CONSTRUCTION CONTRACTOR.
10. COORDINATE SPACE REQUIREMENTS FOR PLUMBING, ELECTRICAL, AND MECHANICAL ELEMENTS.
11. FIBERBOARD TO BE PROVIDED AND INSTALLED BY THE CONSTRUCTION CONTRACTOR AS INDICATED ON DETAILS.

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WWW.FULLERDANGELO.COM

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S.E.D. CONTROL NUMBER:

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

YPS JOB # 10878

PROJECT TITLE: YONKERS CITY SCHOOL DISTRICT PS 29 - BOILER REPLACEMENT, HVAC UPGRADES & ASBESTOS ABATEMENT PHASE 2 OF 3

47 CROTON ROAD, YONKERS N.Y. 10710

DRAWING TITLE: CLASSROOM 1 TO 7, INTERIOR ELEVATIONS

DATE	ISSUED TO
10-21-2023	BID
11-06-2020	100% C.D. SUBMISSION
06-01-2020	100% D.D. SUBMISSION
05-01-2020	50% D.D. SUBMISSION

SHEET SIZE: 30"x42"

DRAWING NO.: A151

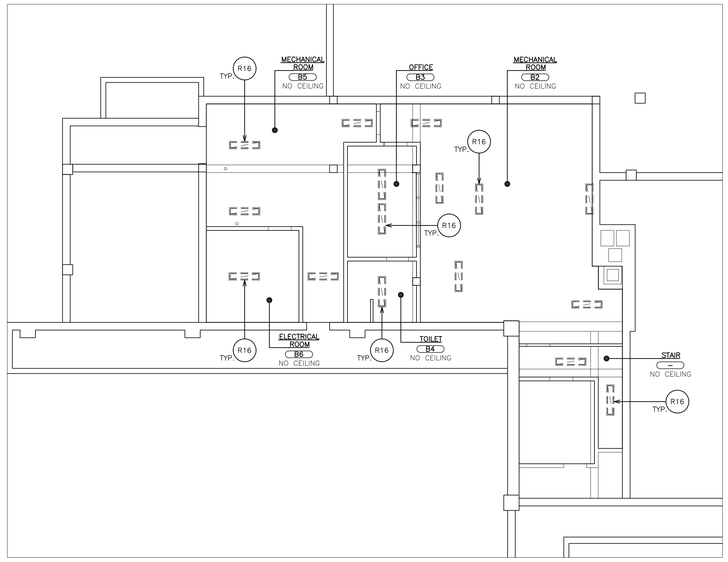
SCALE: AS NOTED

DRAWN BY: F & D

FILE NO.: 19359.00

PLOT DATE: October 19, 2022 - 2:55pm

FILE: I:\19359.00 Yonkers PS 29 Windows Masonry and Site\DRAWINGS\CURRENT\1-F&D\PS 29 Phase 2 HVAC & Flooring\19359.00-A151.dwg



2 PARTIAL BASEMENT REMOVAL REFLECTED PLAN

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

0 2' 4' 8' 16' 32'

REMOVAL NOTES:

R1 NOT USED.

R2 NOT USED.

R3 NOT USED.

R4 NOT USED.

R5 NOT USED.

R6 NOT USED.

R7 NOT USED.

R8 NOT USED.

R9 NOT USED.

R10 REMOVE EXISTING METAL RADIATOR COVER. SANDBLAST. PRIME AND POWDER COAT NEW FINISH. CLEAN DEBRIS FROM BACK BOX.

R11 NOT USED.

R12 NOT USED.

R13 NOT USED.

R14 REMOVE EXISTING CONVECTOR AND INFILL WITH CMU TOOTH INTO EXISTING CMU. SEE MECHANICAL DRAWING FOR ADDITION INFORMATION.

R15 REMOVE EXISTING SUSPENDED CEILING ASSEMBLY (2x4 OR 2x2), SUSPENSION SYSTEM, PANELS, WALL ANGLES, SEISMIC TIES AND ALL RELATED ITEMS. COORDINATE WORK WITH E-CONTRACTOR. PATCH ALL DISTURBED SURFACES TO MATCH EXISTING ADJACENT SURFACES.

R16 REMOVE EXISTING LIGHT FIXTURE. SEE ELECTRICAL DRAWINGS.

R17 REMOVE EXISTING CEILING MOUNTED DEVICES. SEE ELECTRICAL DRAWINGS.

R18 REMOVE EXISTING DIFFUSER. EXTEND AND MODIFY DUCTWORK TO LOCATION SHOWN. SEE M-DWGS.

R19 NOT USED.

R20 NOT USED.

R21 NOT USED.

R22 CAREFULLY DISCONNECT AND REMOVE EXISTING LOUVER, BLANK-OFF PANELS, BRACKETS, AND ALL ASSOCIATED ITEMS FROM EXISTING UNIT VENTILATORS.

R23 NOT USED.

R24 NOT USED.

R25 REMOVE EXISTING CASEWORK, COUNTERTOPS, BASE AND ALL RELATED ITEMS. PATCH ALL DISTURBED SURFACES TO MATCH EXISTING ADJACENT SURFACES. REMOVE & REPLACE EXISTING VCT BACK TO THE NEXT FULL TILE FROM FACE OF NEW CASEWORK.

R26 REMOVE EXISTING VCT FLOOR TILE, (MULTIPLE LAYER MAY EXIST) WALL BASE, TRANSITION STRIPS, MASTIC AND SUBSTRATE DOWN TO EXISTING SLAB. MECHANICALLY PROFILE 100% OF EXISTING FLOOR SLAB FOR NEW FLOOR FINISHES.

R27 NOT USED.

R28 NOT USED.

R29 2x2 OR 2x4 SUSPENDED ACOUSTICAL CEILING, CONTRACTOR TO CAREFULLY REMOVE AND STORE EXISTING CEILING PANELS AND GRID SYSTEM AS REQUIRED TO ACCESS WORK AREAS. REPLACE ANY DAMAGED CEILING PANELS AND OR GRID. REINSTALL GRID AND PANELS UPON COMPLETION OF WORK. CONTRACTOR TO PROVIDE 2 BOXES OF EACH TYPE OF ACOUSTICAL CEILING PANELS (MATCH EXISTING) TO OWNER.

R30 ELECTRICAL CONTRACTOR TO CAREFULLY REMOVE AND STORE EXISTING LIGHTING & CEILING MOUNTED DEVICES AS REQUIRED TO ACCESS WORK AREAS. REINSTALL LIGHTS & CEILING MOUNTED DEVICES UPON COMPLETION OF WORK. CONTRACTOR TO EXTEND WIRING AS REQUIRED FOR ANY CEILING MODIFICATIONS. TYPICAL.

COORDINATE ALL REMOVALS WITH ASBESTOS AND LEAD ABATEMENT DRAWINGS AND SPECIFICATIONS.



1 PARTIAL FIRST FLOOR REMOVAL REFLECTED PLAN

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

0 2' 4' 8' 16' 32'

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WWW.FULLERDANGELO.COM

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S.E.D. CONTROL NUMBER:

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

YPS JOB # 10878

PROJECT TITLE
YONKERS SCHOOL DISTRICT
PS 29 - BOILER REPLACEMENT, HVAC UPGRADES & ASBESTOS ABATEMENT PHASE 2 OF 3
47 CROYDON ROAD, YONKERS N.Y. - 10710

DRAWING TITLE
PARTIAL BASEMENT & FIRST FLOOR REMOVAL REFLECTED PLAN

DATE	ISSUED TO
10-21-2023	BID
11-06-2020	100% C.D. SUBMISSION
06-01-2020	100% D.D. SUBMISSION
05-01-2020	50% D.D. SUBMISSION

SHEET SIZE 30"x42"

DRAWING NO. AR201

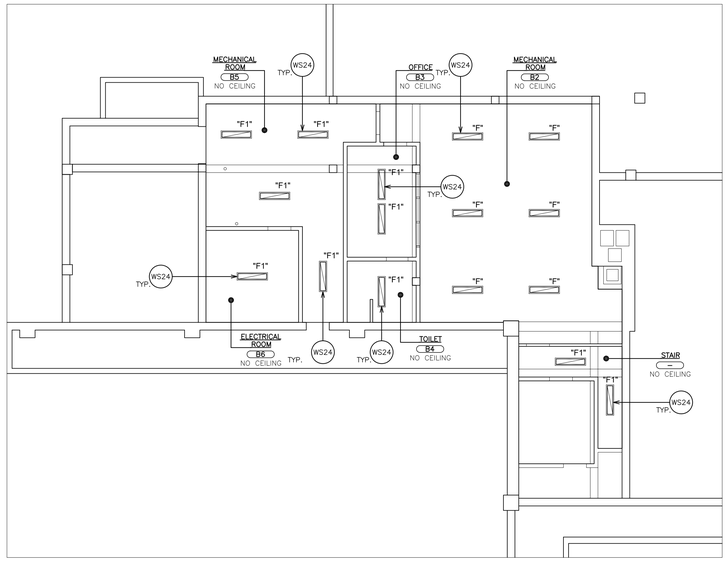
SCALE AS NOTED

DRAWN BY F & D

FILE NO. 19359.00

PLOT DATE: October 20, 2022 - 3:14pm

FILE: I:\19359.00 Yonkers PS 29 Windows Masonry and Site\DRAWINGS\CURRENT\1-F&D\PS 29 Phase 2 HVAC & Flooring\19359.00-AR200.dwg



2 PARTIAL BASEMENT REFLECTED CEILING PLAN

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

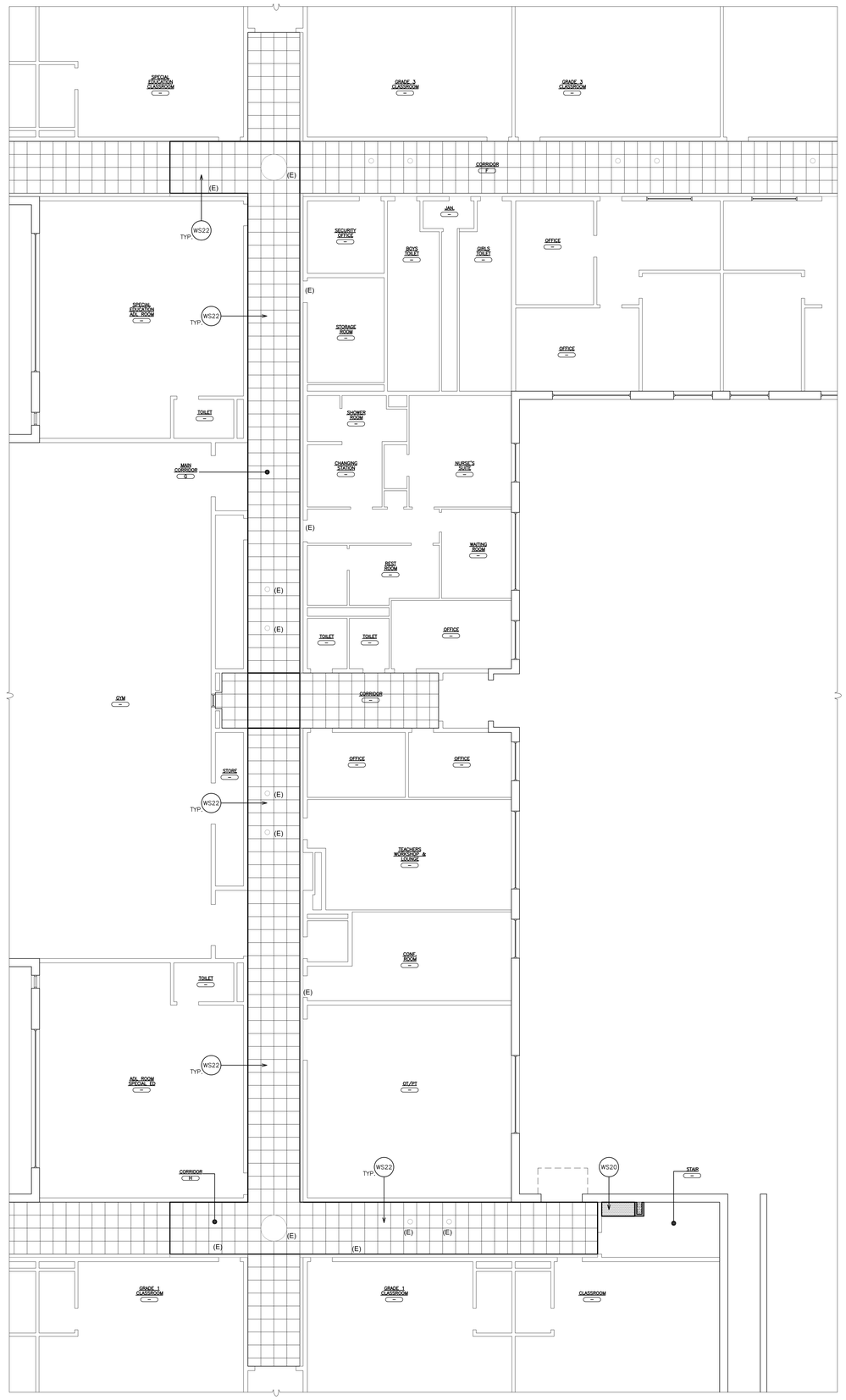
0 2' 4' 8' 16' 32'

WORKSCOPE NOTES:

- WS1 NOT USED.
- WS2 NOT USED.
- WS3 NOT USED.
- WS4 PREPARE EXISTING WALL AND CEILING SURFACES FOR PAINTING. FLOOR TO CEILING REMOVAL ALL LOOSE MATERIALS AND DEGREASE AS REQUIRED TO THE SATISFACTION OF PAINT MANUFACTURE.
- WS5 BROOM SWEEP & VACUUM EXISTING CONCRETE FLOOR. WASH FLOOR WITH DEGREASING AGENT TO THE SATISFACTION OF THE EPOXY FLOOR MANUFACTURE. REMOVE ALL LOOSE CONCRETE AND PATCH WITH APPROVED PATCHING MATERIALS. PROVIDE EPOXY FLOOR PAINT OVER ENTIRE FLOOR SURFACE AND HOUSE KEEPING PADS.
- WS6 PROVIDE FLOOR FINISH. SEE FINISH SCHEDULE AND FINISH PLANS.
- WS7 PROVIDE CEMENT-BASED UNDERLAYMENT ON 100% FLOOR SURFACE TO ACHIEVE LEVEL & FLUSH CONDITION WITH ADJACENT FLOOR(S).
- WS8 PROVIDE NEW VCT FLOORING TO MATCH EXISTING ADJACENT TILE.
- WS9 NOT USED.
- WS10 NOT USED.
- WS11 PIPE TRENCH INFILL. SEE DETAILS 12/A500.
- WS12 NOT USED.
- WS13 NOT USED.
- WS14 NOT USED.
- WS15 VACUUM CLEAN THE EXISTING UNIT VENTILATOR BODY AND REPORT ANY DAMAGE TO THE OWNER'S REPRESENTATIVE.
- WS16 INSTALL NEW ALUMINUM LOUVER W/ BIRD, INSECT SCREEN AND INSULATED BLANK-OFF PANEL AND BRACKETS. EXTEND, MODIFY AND RECONNECT TO EXISTING AND OR NEW DUCTWORK. SEE LOUVER DETAILS.
- WS17 SCRAPE, WIRE BRUSH, PRIME AND PAINT EXISTING STEEL LINTEL. COLOR TO MATCH BRICK.
- WS18 PROVIDE NEW ACOUSTICAL CEILING PANELS IN EXISTING GRID CUT AS REQUIRED. PROVIDE WALL ANGLES AND RUNNERS SUPPORTS AS REQUIRED.
- WS19 NOT USED.
- WS20 REMOVE PORTION OF EXISTING ACOUSTICAL CEILING SYSTEM FOR INSTALLATION OF NEW PIPE WORK, TEMPORARILY SUPPORT ENDS OF SUSPENSION GRID. PROVIDE NEW GYPSUM BOARD SOFFIT. SEE DETAIL /A500.
- WS21 PROVIDE NEW LAMINATE CASEWORK, SOLID SURFACE COUNTERTOPS W/ PENCIL PROOF GRILLES. SEE DETAILS A151.
- WS22 PROVIDE SUSPENDED ACOUSTICAL CEILING SYSTEM & ALL RELATED ITEMS. ELECTRICAL CONTRACTOR REINSTALL EXISTING LIGHT FIXTURES & CEILING MOUNTED DEVICES. COORDINATE INSTALLATION. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- WS23 INSTALL NEW GALVANIZED STEEL LINTEL ANGEL WITH MIN. 8" BEARING EACH SIDE. PROVIDE SELF ADHERED MEMBRANE FLASHING, WEEP HOLES, REINSTALL EXISTING STONE. SEE DETAIL.
- WS24 PROVIDE NEW LED LIGHT FIXTURES. SEE ELECTRICAL DRAWINGS.
- WS25 PROVIDE CMU PARTITION / INFILL. TOOTHED INTO EXISTING CMU WALL. BLOCK FILL, PRIME AND PAINT.

CEILING LEGEND

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



1 PARTIAL FIRST FLOOR REFLECTED PLAN

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

0 2' 4' 8' 16' 32'

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S.E.D. CONTROL NUMBER:

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

YPS JOB # 10878

PROJECT TITLE
YONKERS SCHOOL DISTRICT
PS 29 - BOILER REPLACEMENT, HVAC UPGRADES & ASBESTOS ABATEMENT PHASE 2 OF 3
47 CROYDON ROAD, YONKERS N.Y. - 10710

DRAWING TITLE
PARTIAL BASEMENT & FIRST FLOOR REFLECTED PLAN

DATE	ISSUED TO
10-21-2023	BID
11-06-2020	100% C.D. SUBMISSION
06-01-2020	100% D.D. SUBMISSION
05-01-2020	50% D.D. SUBMISSION

SHEET SIZE 30"x42"
DRAWING NO. A201
SCALE AS NOTED
DRAWN BY F & D
FILE NO. 19359.00

PLOT DATE: October 20, 2022 - 3:15pm

FILE: I:\19359.00 Yonkers PS 29 Windows Masonry and Site\DRAWINGS\CURRENT\1-F&D\PS 29 Phase 2 HVAC & Flooring\19359.00-A200.dwg

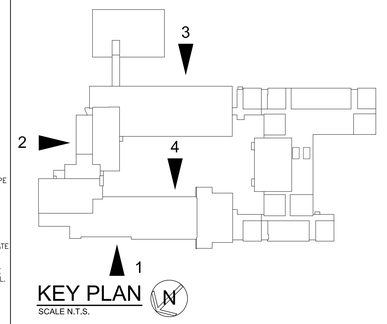
REMOVAL NOTES:

- R1 NOT USED.
- R2 NOT USED.
- R3 NOT USED.
- R4 NOT USED.
- R5 NOT USED.
- R6 NOT USED.
- R7 NOT USED.
- R8 NOT USED.
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- R11 NOT USED.
- R12 NOT USED.
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- R14 REMOVE EXISTING CONVECTOR AND INFILL WITH CMU TOOTH INTO EXISTING CMU. SEE MECHANICAL DRAWING FOR ADDITION INFORMATION.
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- R26 REMOVE EXISTING VCT FLOOR TILE, (MULTIPLE LAYER MAY EXIST) WALL BASE, TRANSITION STRIPS, MASTIC AND SUBSTRATE DOWN TO EXISTING SLAB. MECHANICALLY PROFILE 100% OF EXISTING FLOOR SLAB FOR NEW FLOOR FINISHES.
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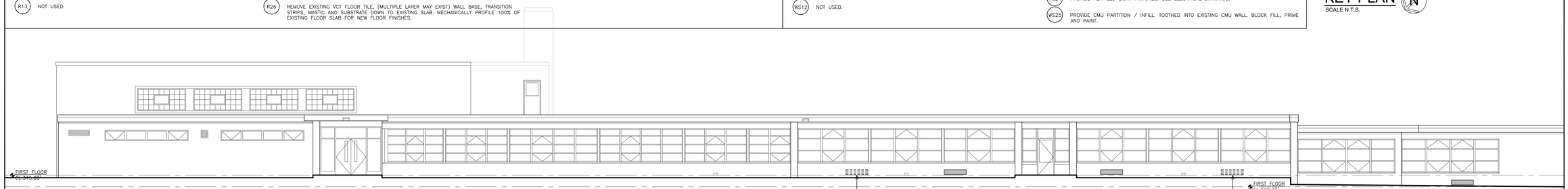
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- WS25 PROVIDE CMU PARTITION / INFILL. TOOTHED INTO EXISTING CMU WALL. BLOCK FILL, PRIME AND PAINT.



KEY PLAN
SCALE N.T.S.

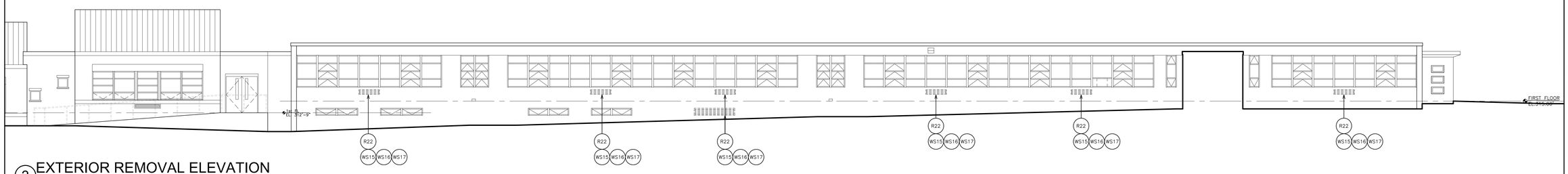
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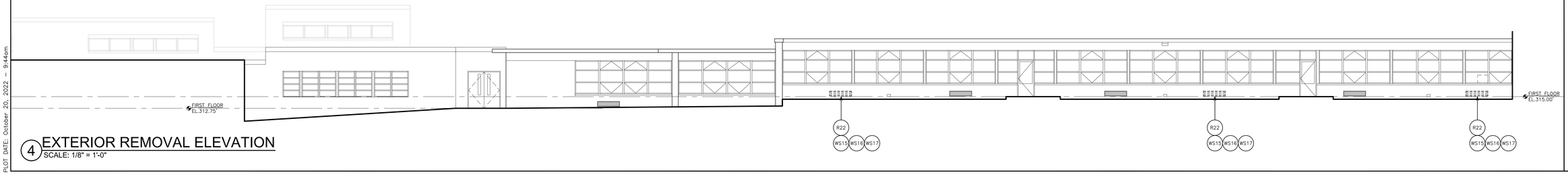
1 EXTERIOR REMOVAL ELEVATION
SCALE: 1/8" = 1'-0"



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



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



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

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S.E.D. CONTROL NUMBER:

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

YPS JOB # 10878

PROJECT TITLE
YONKERS SCHOOL DISTRICT
PS 29- BOILER REPLACEMENT, HVAC UPGRADES & ASBESTOS ABATEMENT PHASE 2 OF 3
47 CROTON ROAD, YONKERS N.Y., 10710

DRAWING TITLE
EXTERIOR REMOVAL ELEVATIONS

DATE	ISSUED TO
10-21-2023	BID
11-06-2020	100% C.D. SUBMISSION
06-01-2020	100% D.D. SUBMISSION
05-01-2020	50% D.D. SUBMISSION

SHEET SIZE: 30"x42"	DRAWING NO.: A300
SCALE: AS NOTED	
DRAWN BY: F & D	FILE NO.: 19359.00

PLOT DATE: October 20, 2022 - 9:44am

FILE: I:\19359.00 Yonkers PS 29 Windows Masonry and Site\DRAWINGS\CURRENT\1-F&D\PS 29 Phase 2 HVAC & Flooring\19359.00-A300~.dwg

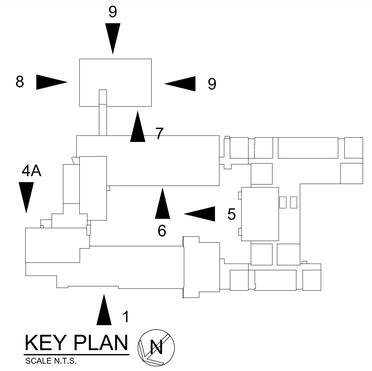
REMOVAL NOTES:

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- R16 REMOVE EXISTING LIGHT FIXTURE. SEE ELECTRICAL DRAWINGS.
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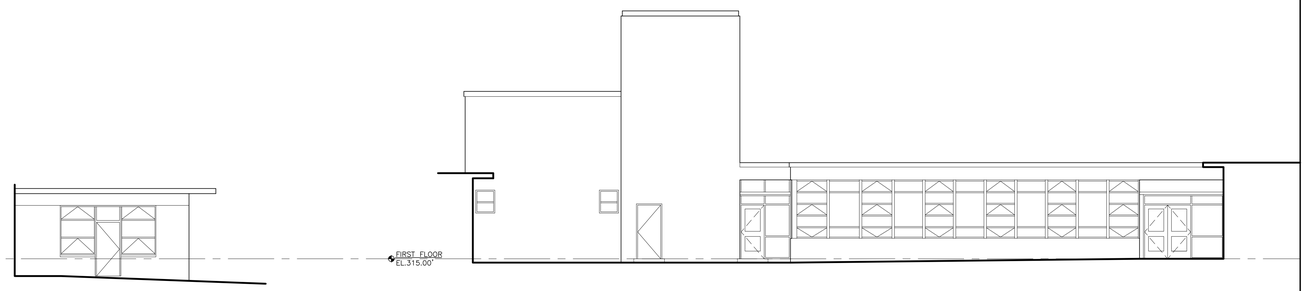
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- WS24 PROVIDE NEW LED LIGHT FIXTURES. SEE ELECTRICAL DRAWINGS.
- WS25 PROVIDE CMU PARTITION / INFILL. TOOTHED INTO EXISTING CMU WALL. BLOCK FILL, PRIME AND PAINT.



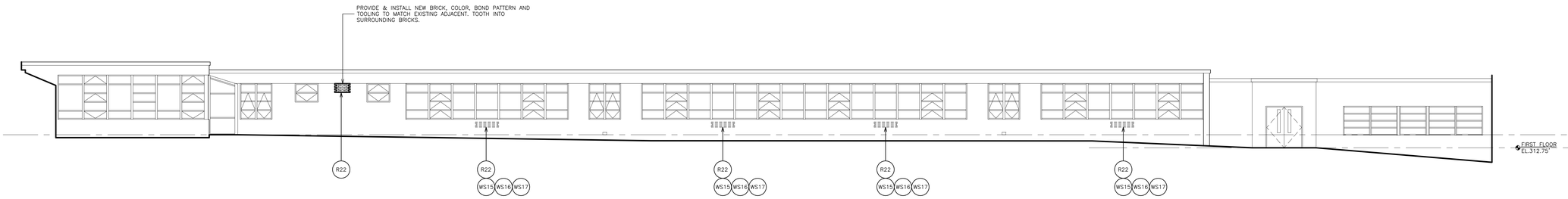
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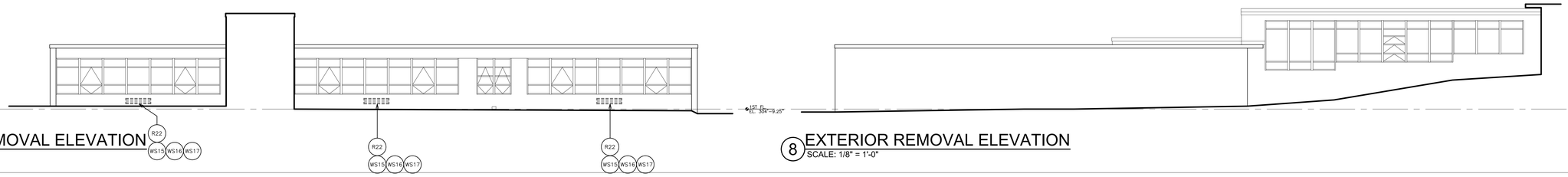
6 EXTERIOR REMOVAL ELEVATION
SCALE: 1/8" = 1'-0"



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

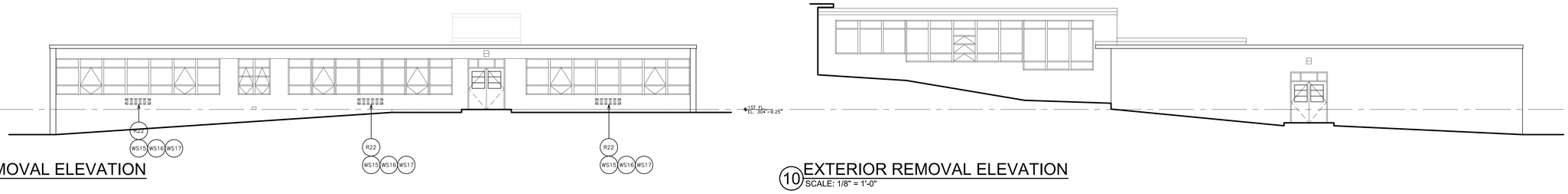


6 EXTERIOR REMOVAL ELEVATION
SCALE: 1/8" = 1'-0"



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

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



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

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

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

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

YPS JOB # 10878

PROJECT TITLE
YONKERS CITY SCHOOL DISTRICT
PS 29 - BOILER REPLACEMENT, HVAC UPGRADES & ASBESTOS ABATEMENT PHASE 2 OF 4
47 CROTON ROAD, YONKERS N.Y., 10710

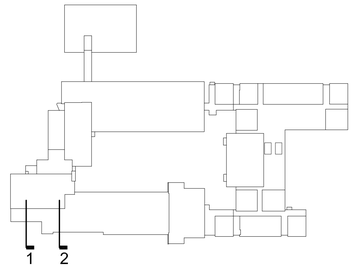
DRAWING TITLE
EXTERIOR REMOVAL ELEVATIONS

DATE	ISSUED TO
10-21-2023	BID
11-06-2020	100% C.D. SUBMISSION
06-01-2020	100% D.D. SUBMISSION
05-01-2020	50% D.D. SUBMISSION

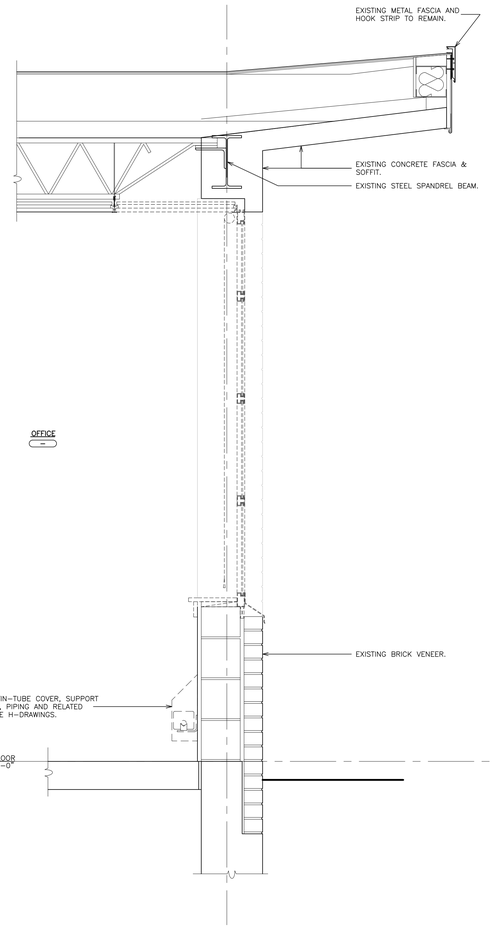
SHEET SIZE 30"x42"	DRAWING NO. A301
SCALE AS NOTED	
DRAWN BY F & D	FILE NO. 19359.00

PLOT DATE: October 20, 2022 - 9:44am

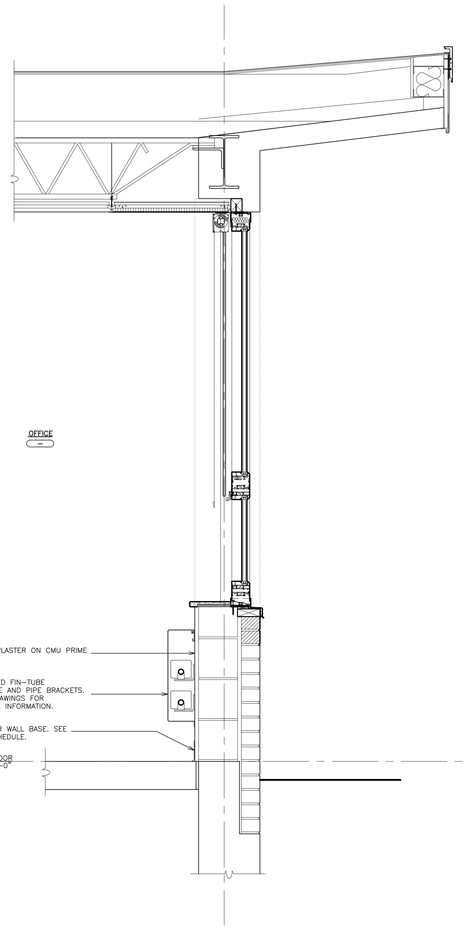
FILE: I:\19359.00 Yonkers PS 29 Windows Masonry and Site\DRAWINGS\CURRENT\1-F&D\PS 29 Phase 2 HVAC & Flooring\19359.00-A300~.dwg



KEY PLAN
SCALE N.T.S.



2 REMOVAL WALL SECTION
SCALE: 1" = 1'-0"



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

1 NOT USED
SCALE: 1" = 1'-0"

1 NOT USED
SCALE: 1" = 1'-0"

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

YPS JOB # 10878

PROJECT TITLE
YONKERS CITY SCHOOL DISTRICT
PS 29 - BOILER REPLACEMENT, HVAC UPGRADES & ASBESTOS ABATEMENT PHASE 2 OF 3
47 CROTON ROAD, YONKERS N.Y. 10710

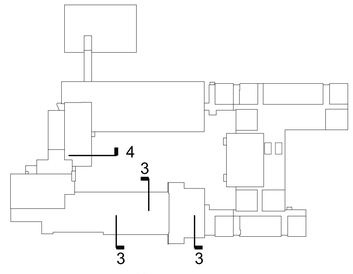
DRAWING TITLE
WALL SECTIONS

10-21-2023	BID
11-06-2020	100% C.D. SUBMISSION
06-01-2020	100% D.D. SUBMISSION
05-01-2020	50% D.D. SUBMISSION
DATE	ISSUED TO

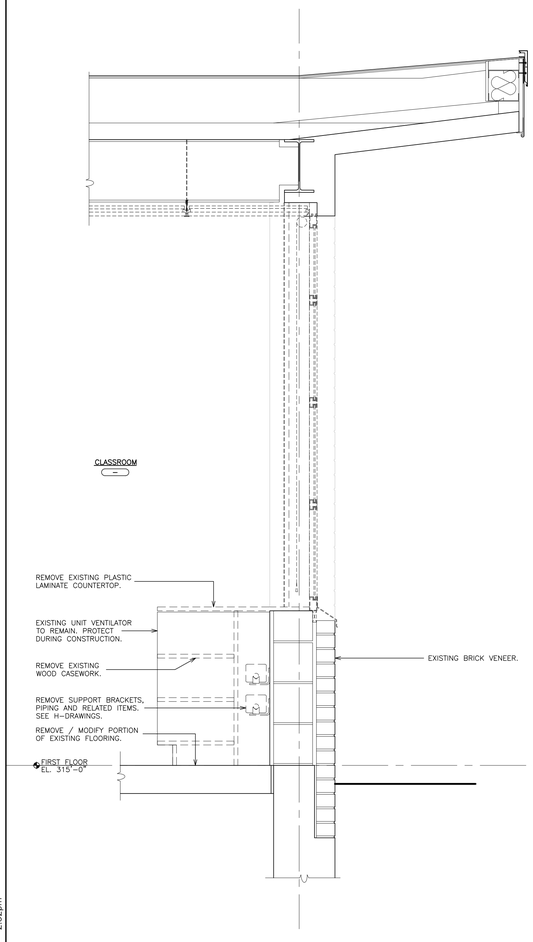
SHEET SIZE 30"x42"
DRAWING NO. A425
SCALE AS NOTED
DRAWN BY F & D
FILE NO. 19359.00

PLOT DATE: October 19, 2022 - 2:52pm

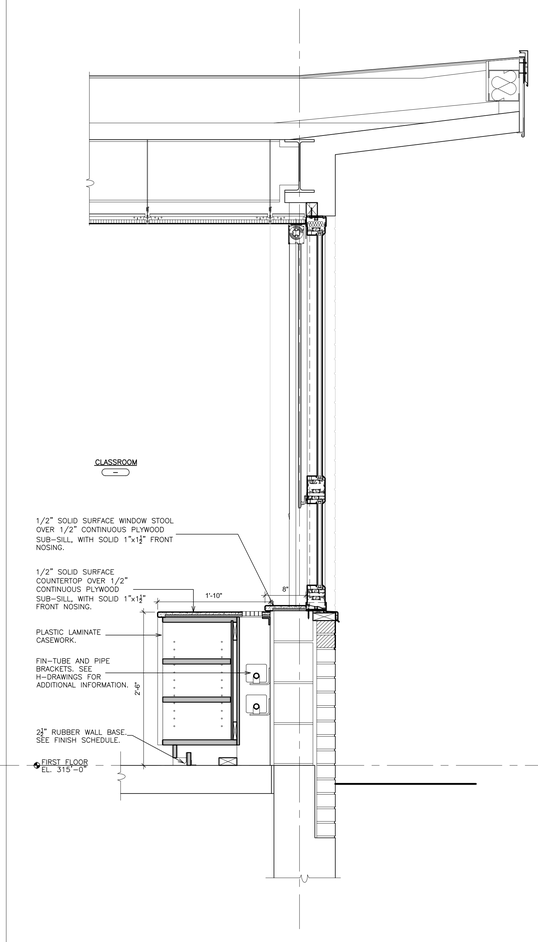
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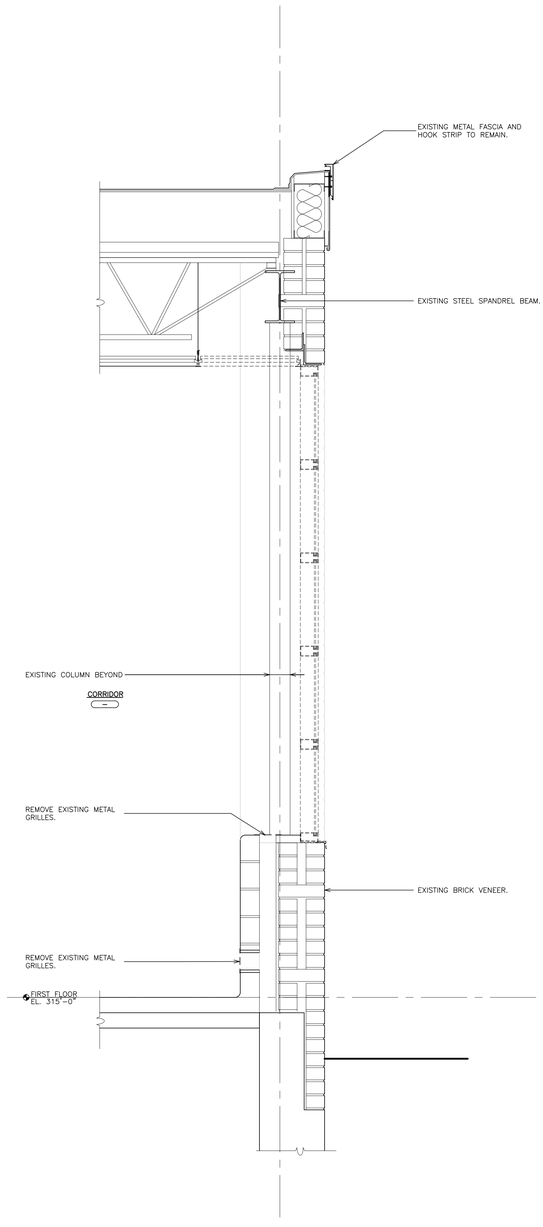
KEY PLAN
SCALE N.T.S.



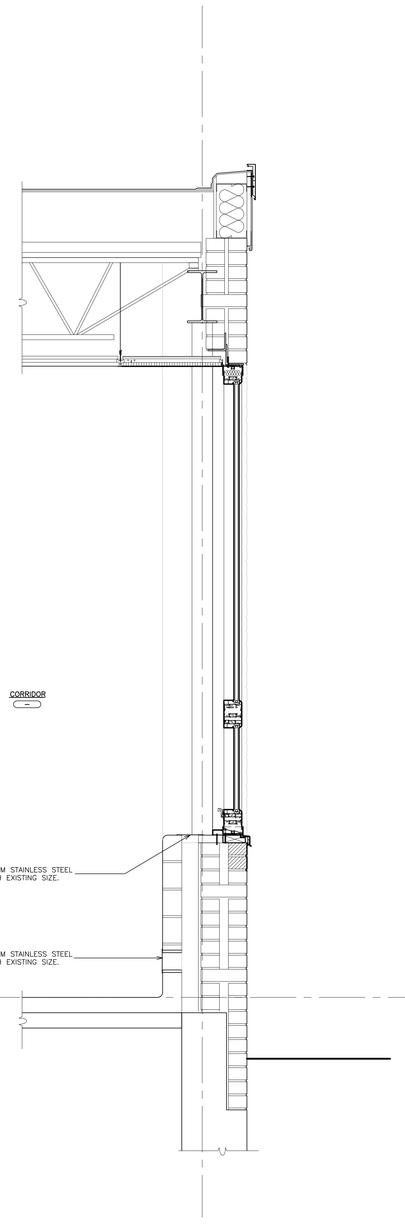
3 REMOVAL WALL SECTION
SCALE: 1" = 1'-0"



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



4 REMOVAL WALL SECTION
SCALE: 1" = 1'-0"



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

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

YPS JOB # 10878

PROJECT TITLE
YONKERS SCHOOL DISTRICT
PS 29 - BOILER REPLACEMENT, HVAC UPGRADES & ASBESTOS ABATEMENT PHASE 2 OF 3
47 CROYDON ROAD, YONKERS N.Y. 10710

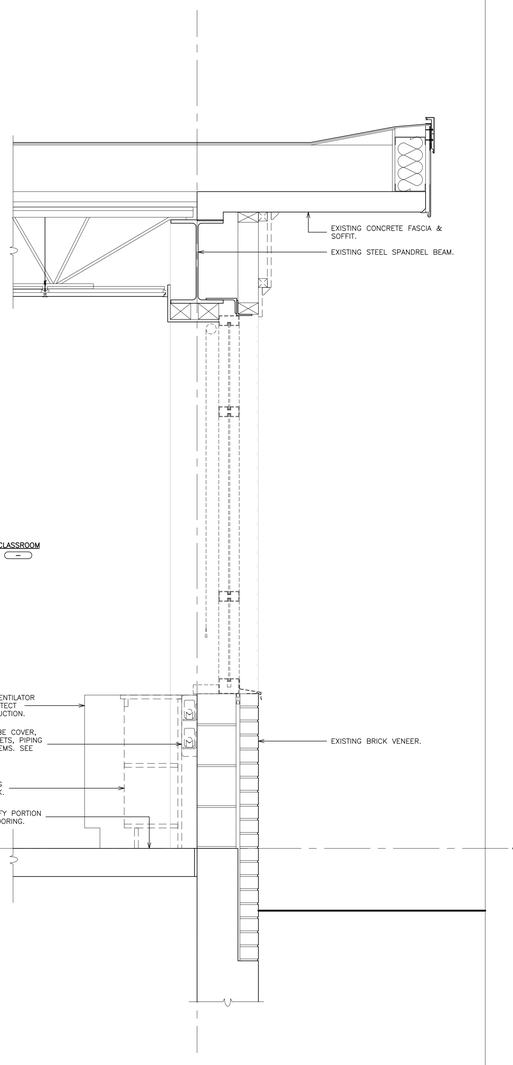
DRAWING TITLE
WALL SECTIONS

DATE	ISSUED TO
10-21-2023	BID
11-06-2020	100% C.D. SUBMISSION
06-01-2020	100% D.D. SUBMISSION
05-01-2020	50% D.D. SUBMISSION

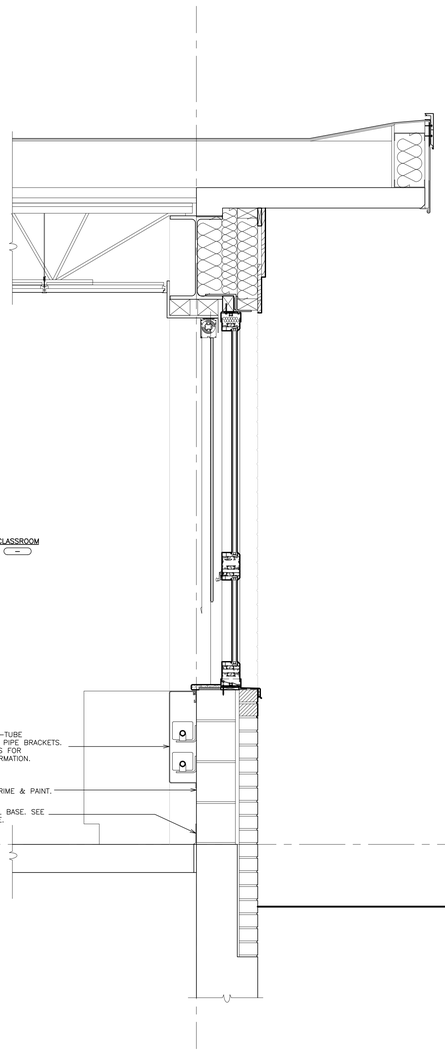
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SCALE AS NOTED
DRAWN BY F & D
FILE NO. 19359.00

PLOT DATE: October 19, 2022 - 2:52pm

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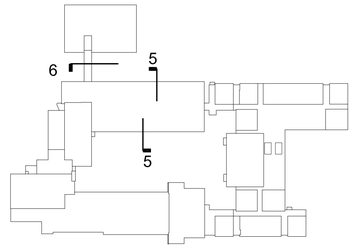


5 REMOVAL WALL SECTION
SCALE: 1" = 1'-0"



5 WALL SECTION
SCALE: 1" = 1'-0"

6 NOT USED
SCALE: 1" = 1'-0"



KEY PLAN
SCALE N.T.S.

6 NOT USED
SCALE: 1" = 1'-0"

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

YPS JOB # 10878

PROJECT TITLE
YONKERS CITY SCHOOL DISTRICT
PS 29 BOILER REPLACEMENT, HVAC UPGRADES & ASBESTOS ABATEMENT PHASE 2 OF 3
47 CROTON ROAD, YONKERS N.Y. 10710

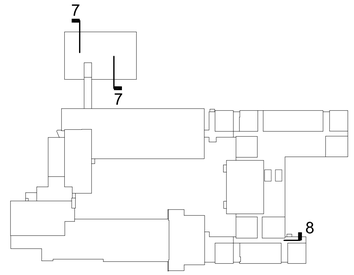
DRAWING TITLE
WALL SECTIONS

DATE	ISSUED TO
10-21-2023	BID
11-06-2020	100% C.D. SUBMISSION
06-01-2020	100% D.D. SUBMISSION
05-01-2020	50% D.D. SUBMISSION

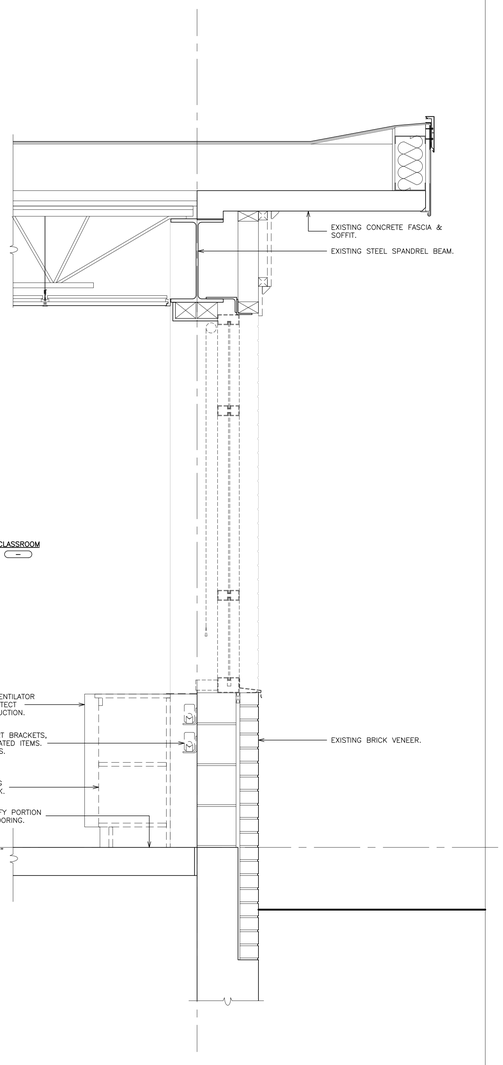
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SCALE AS NOTED
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FILE NO. 19359.00

PLOT DATE: October 19, 2022 - 2:52pm

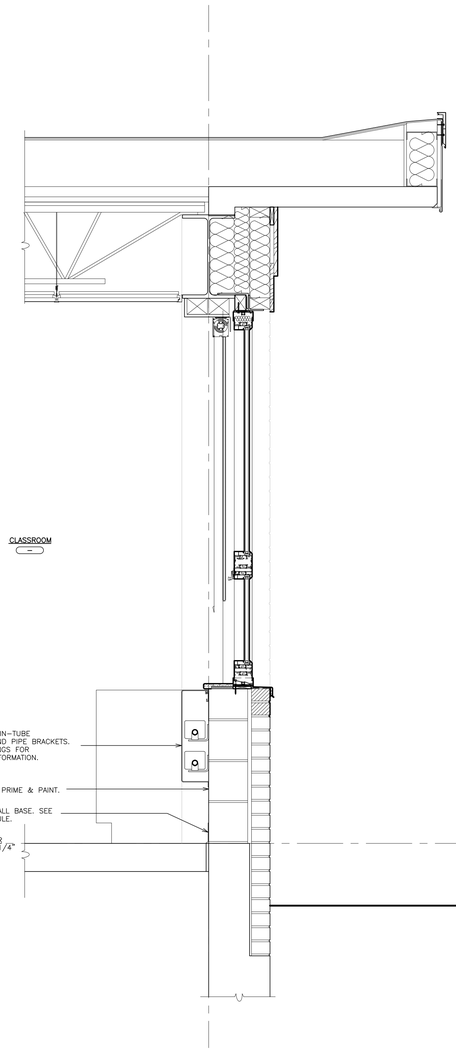
FILE: I:\19359.00 Yonkers PS 29 Windows Masonry and Site\DRAWINGS\CURRENT\1-F&D\PS 29 Phase 2 HVAC & Flooring\19359.00-A425.dwg



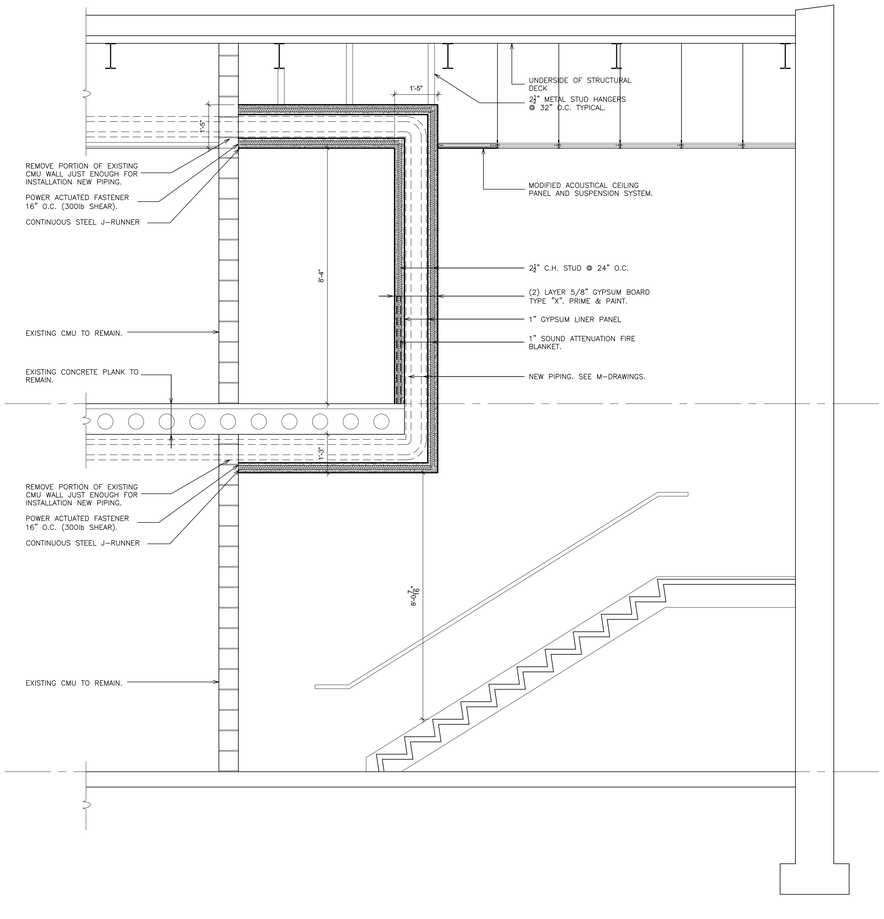
KEY PLAN
SCALE N.T.S.



7 REMOVAL WALL SECTION
SCALE: 1" = 1'-0"



7 WALL SECTION
SCALE: 1" = 1'-0"



8 WALL SECTION
SCALE: 1" = 1'-0"

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

YPS JOB # 10878

PROJECT TITLE
YONKERS SCHOOL DISTRICT
PS 29 - BOILER REPLACEMENT, HVAC UPGRADES & ASBESTOS ABATEMENT PHASE 2 OF 3
47 CROTON ROAD, YONKERS N.Y. 10710

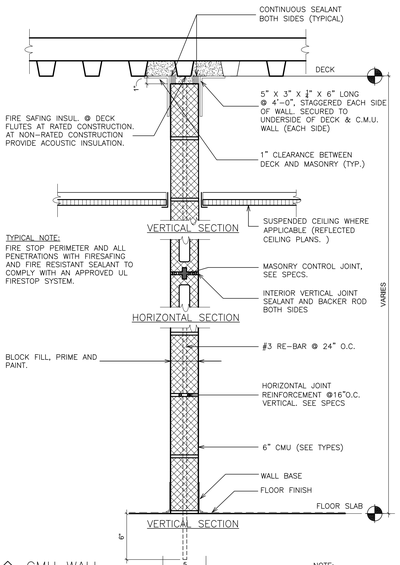
DRAWING TITLE
WALL SECTIONS

DATE	ISSUED TO
10-21-2023	BID
11-06-2020	100% C.D. SUBMISSION
06-01-2020	100% D.D. SUBMISSION
05-01-2020	50% D.D. SUBMISSION

SHEET SIZE 30"x42"
DRAWING NO. A428
SCALE AS NOTED
DRAWN BY F & D
FILE NO. 19359.00

PLOT DATE: October 20, 2022 - 9:26am

FILE: I:\19359.00 Yonkers PS 29 Windows Masonry and Site\DRAWINGS\CURRENT\1-F&D\PS 29 Phase 2 HVAC & Flooring\19359.00-A425.dwg



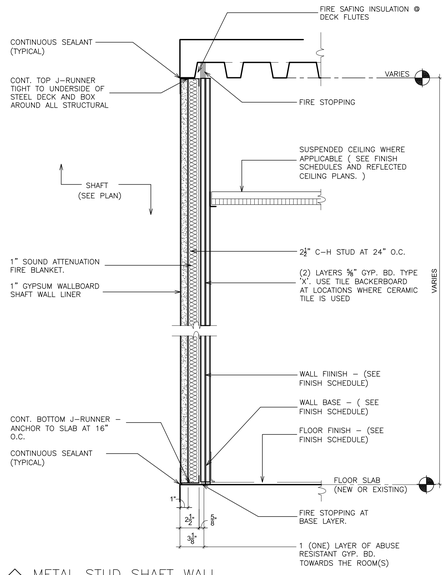
1 CMU WALL
FIRE RATING- 0 HOUR

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

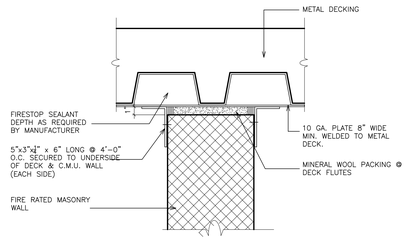
NOTE:
INSTALL STEEL ANGLE LINTELS FOR PENETRATIONS THROUGH CONCRETE BLOCK WALL. 3½"x3½"x⅜" ANGLES FOR EVERY 4" OF MASONRY TO SUPPORT, FIRESTOP AND SEAL @ PERIMETER OF PENETRATION. (NOTE: MAX. OPENING WITHOUT LINTEL-12" WIDTH, 12" HEIGHT.)

GENERAL NOTES: (ALL PARTITION TYPES)

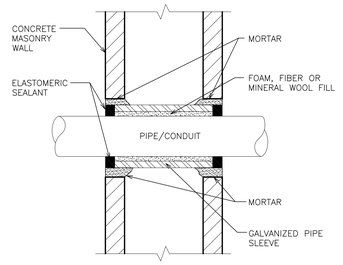
1 REFER TO FINISH SCHEDULE FOR ALL FINISHES.
2 REFER TO A-500 FOR APPLICABLE DETAILS
3 TILE BACKER-BOARD TO BE USED WHERE C.T. IS USED ON STUD WALLS.
4 ALL NEW PARTITIONS SHOULD BE FULL HEIGHT AND SHALL BE SEALED TO RESIST THE PASSAGE OF SMOKE (UNLESS OTHERWISE NOTED)
5 ALL NEW PARTITIONS SHALL BE CONSTRUCTED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



2 METAL STUD SHAFT WALL
FIRE RATING - 1 HOUR (U469 SIM.)

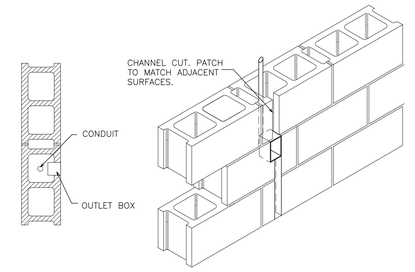


1 FIRE RATED JOINT DETAIL @ METAL/ MASONRY WALL
NOT TO SCALE



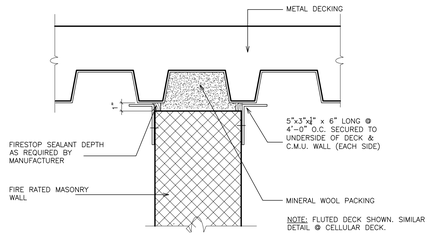
NOTE: AT FIRE RATED CONSTRUCTION, SEALANT & FILL MATERIAL SHALL HAVE A FIRE RATING EQUAL TO OR GREATER THAN CONSTRUCTION BEING PENETRATED

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



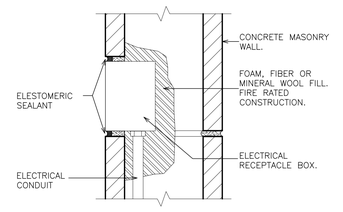
NOTE: STAGGER OUTLET BOXES ON EA. SIDE OF WALL

5 UTILITY BOXES
SCALE: N.T.S.

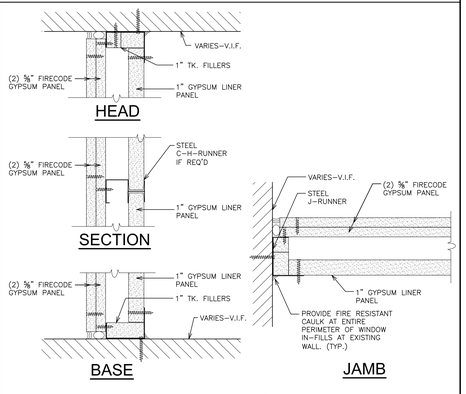


NOTE: FLUTED DECK SHOWN. SIMILAR DETAIL @ CELLULAR DECK.

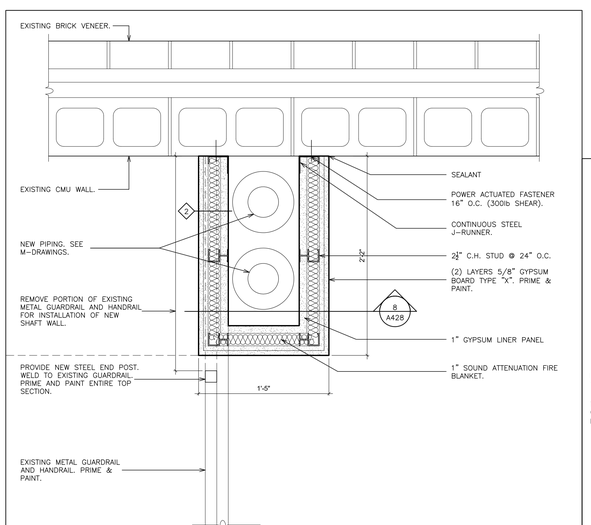
2 FIRE RATED JOINT DETAIL @ METAL/ MASONRY WALL
NOT TO SCALE



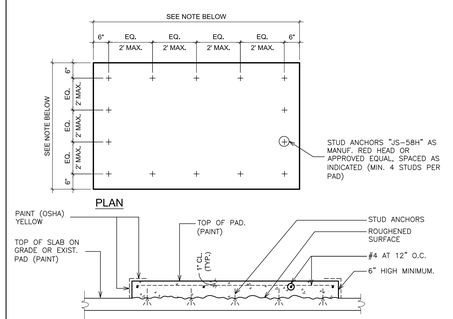
4 DETAIL- UTILITY BOX PENETRATION
SCALE: N.T.S.



6 SHAFT WALL DETAILS
SCALE: 3" = 1'-0"

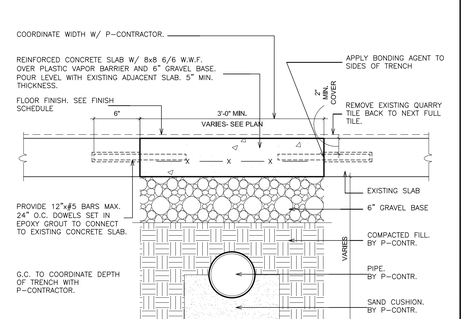


7 DETAIL - ENCLOSURE
SCALE: 1 1/2" = 1'-0"



NOTES:
1. CONCRETE SHALL BE 4,000 PSI.
2. PAINT VERTICAL EDGE AND 4" OF PAD YELLOW.
3. FINAL SIZE AND LOCATION TO BE DETERMINED BY CONTRACTOR AND APPROVED BY ARCHITECT/ENGINEER.

13 DETAIL - CONCRETE EQUIPMENT PAD
SCALE: 1/2" = 1'-0"



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

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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 PHASE 2 OF 3
47 CROTON ROAD, YONKERS N.Y. 10710

DRAWING TITLE
PARTITION TYPES & MISCELLANEOUS DETAILS

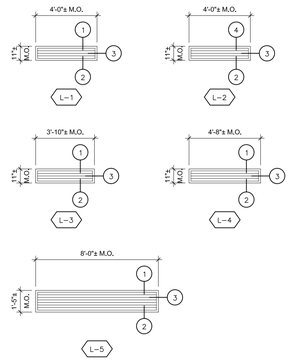
DATE	ISSUED TO
10-21-2023	BID
11-06-2020	100% C.D. SUBMISSION
06-01-2020	100% D.D. SUBMISSION
05-01-2020	50% D.D. SUBMISSION

SHEET SIZE 30"x42"
DRAWING NO. A500
SCALE AS NOTED
DRAWN BY F & D
FILE NO. 19359.00

PLOT DATE: October 19, 2022 - 3:01pm

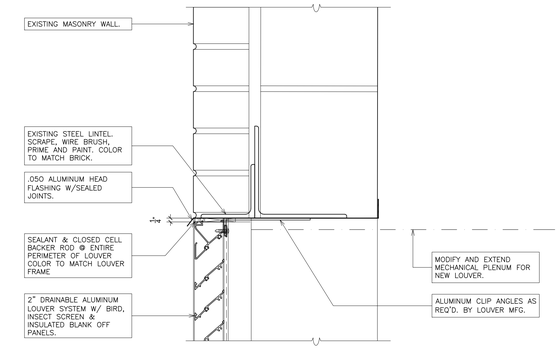
FILE: I:\19359.00 Yonkers PS 29 Windows Masonry and Site\DRAWINGS\CURRENT\1-F&D\PS 29 Phase 2 HVAC & Flooring\19359.00-A500.dwg

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

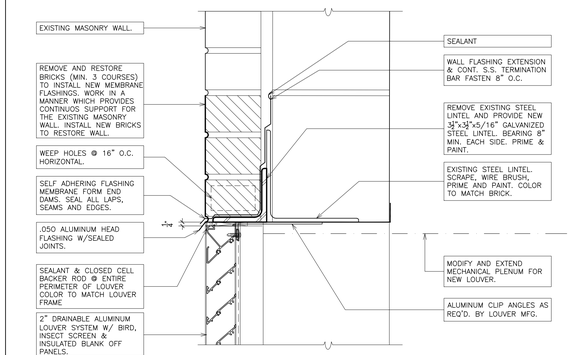


WINDOW SCHEDULE

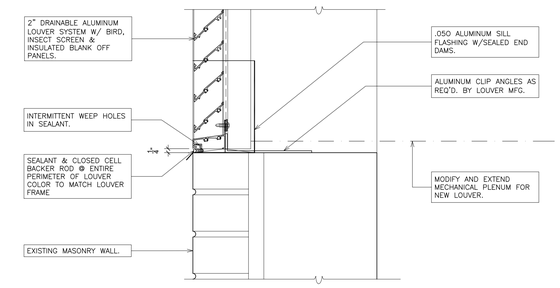
LINE No.	WINDOW DESIGNATION	MASONRY/ ROUGH OPENING		GLASS TYPE	MATERIAL	PROJECTED	FIXED	HEAD	SILL	MEETING RAIL	REMARKS
		WIDTH	HEIGHT			JAMB/MULLION	JAMB/MULLION				
1	L1	4'-0"± V.I.F.	11"± V.I.F.	2" ALUMINUM LOUVER	ALUMINUM	–	3	1	2	–	
2	L2	4'-0"± V.I.F.	11"± V.I.F.	2" ALUMINUM LOUVER	ALUMINUM	–	3	4	2	–	
3	L3	3'-10"± V.I.F.	11"± V.I.F.	2" ALUMINUM LOUVER	ALUMINUM	–	3	1	2	–	
4	L4	4'-8"± V.I.F.	11"± V.I.F.	2" ALUMINUM LOUVER	ALUMINUM	–	3	1	2	–	
5	L5	8'-0"± V.I.F.	1'-5"± V.I.F.	2" ALUMINUM LOUVER	ALUMINUM	–	3	1	2	–	
6											
7											
8											
9											
10											
11											
12											
13											
14											
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24											



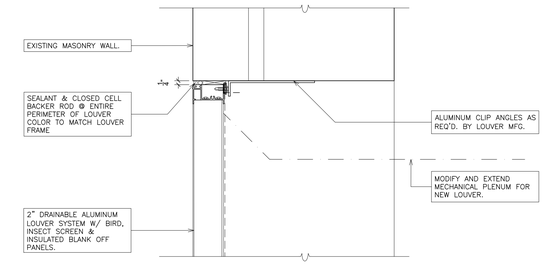
1 HEAD (louver)
SCALE: 3" = 1'-0"



4 HEAD (louver)
SCALE: 3" = 1'-0"



2 SILL (louver)
SCALE: 3" = 1'-0"



3 JAMB (louver)
SCALE: 3" = 1'-0"

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S.E.D. CONTROL NUMBER:

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

YPS JOB # 10878

PROJECT TITLE
YONKERS SCHOOL DISTRICT
PS 29- BOILER REPLACEMENT, HVAC UPGRADES & ASBESTOS ABATEMENT PHASE 2 OF 3
47 CROTON ROAD, YONKERS N.Y., 10710

DRAWING TITLE
LOUVER SCHEDULE & LOUVER TYPES

DATE	ISSUED TO
10-21-2023	BID
11-06-2020	100% C.D. SUBMISSION
06-01-2020	100% D.D. SUBMISSION
05-01-2020	50% D.D. SUBMISSION

SHEET SIZE: 30"x42"
DRAWING NO.: A725
SCALE: AS NOTED
DRAWN BY: F & D
FILE NO.: 19359.00

PLOT DATE: October 19, 2022 - 3:01 pm

FILE: I:\19359.00 Yonkers PS 29 Windows Masonry and Site\DRAWINGS\CURRENT\1-F&D\PS 29 Phase 2 HVAC & Flooring\19359.00-A725~.dwg

REMOVAL NOTES:

- R1 NOT USED.
- R2 NOT USED.
- R3 NOT USED.
- R4 NOT USED.
- R5 NOT USED.
- R6 NOT USED.
- R7 NOT USED.
- R8 NOT USED.
- R9 NOT USED.
- R10 REMOVE EXISTING METAL RADIATOR COVER. SANDBLAST. PRIME AND POWDER COAT NEW FINISH. CLEAN DEBRIS FROM BACK BOX.
- R11 NOT USED.
- R12 NOT USED.
- R13 NOT USED.
- R14 REMOVE EXISTING CONVECTOR AND INFILL WITH CMU TOOTH INTO EXISTING CMU. SEE MECHANICAL DRAWING FOR ADDITION INFORMATION.
- R15 REMOVE EXISTING SUSPENDED CEILING ASSEMBLY (2x4 OR 2x2), SUSPENSION SYSTEM, PANELS, WALL ANGLES, SEISMIC TIES AND ALL RELATED ITEMS. COORDINATE WORK WITH E-CONTRACTOR. PATCH ALL DISTURBED SURFACES TO MATCH EXISTING ADJACENT SURFACES.
- R16 REMOVE EXISTING LIGHT FIXTURE. SEE ELECTRICAL DRAWINGS.
- R17 REMOVE EXISTING CEILING MOUNTED DEVICES. SEE ELECTRICAL DRAWINGS.
- R18 REMOVE EXISTING DIFFUSER. EXTEND AND MODIFY DUCTWORK TO LOCATION SHOWN. SEE M-DWGS.
- R19 NOT USED.
- R20 NOT USED.
- R21 NOT USED.
- R22 CAREFULLY DISCONNECT AND REMOVE EXISTING LOUVER, BLANK-OFF PANELS, BRACKETS, AND ALL ASSOCIATED ITEMS FROM EXISTING UNIT VENTILATORS.
- R23 NOT USED.
- R24 NOT USED.
- R25 REMOVE EXISTING CASEWORK, COUNTERTOPS, BASE AND ALL RELATED ITEMS. PATCH ALL DISTURBED SURFACES TO MATCH EXISTING ADJACENT SURFACES. REMOVE & REPLACE EXISTING VCT BACK TO THE NEXT FULL TILE FROM FACE OF NEW CASEWORK.
- R26 REMOVE EXISTING VCT FLOOR TILE, (MULTIPLE LAYER MAY EXIST) WALL BASE, TRANSITION STRIPS, MASTIC AND SUBSTRATE DOWN TO EXISTING SLAB. MECHANICALLY PROFILE 100% OF EXISTING FLOOR SLAB FOR NEW FLOOR FINISHES.
- R27 NOT USED.
- R28 NOT USED.
- R29 2x2 OR 2x4 SUSPENDED ACOUSTICAL CEILING, CONTRACTOR TO CAREFULLY REMOVE AND STORE EXISTING CEILING PANELS AND GRID SYSTEM AS REQUIRED TO ACCESS WORK AREAS. REPLACE ANY DAMAGED CEILING PANELS AND OR GRID. REINSTALL GRID AND PANELS UPON COMPLETION OF WORK. CONTRACTOR TO PROVIDE 2 BOXES OF EACH TYPE OF ACOUSTICAL CEILING PANELS (MATCH EXISTING) TO OWNER.
- R30 ELECTRICAL CONTRACTOR TO CAREFULLY REMOVE AND STORE EXISTING LIGHTING & CEILING MOUNTED DEVICES AS REQUIRED TO ACCESS WORK AREAS. REINSTALL LIGHTS & CEILING MOUNTED DEVICES UPON COMPLETION OF WORK. CONTRACTOR TO EXTEND WIRING AS REQUIRED FOR ANY CEILING MODIFICATIONS. TYPICAL.

COORDINATE ALL REMOVALS WITH ASBESTOS AND LEAD ABATEMENT DRAWINGS AND SPECIFICATIONS.

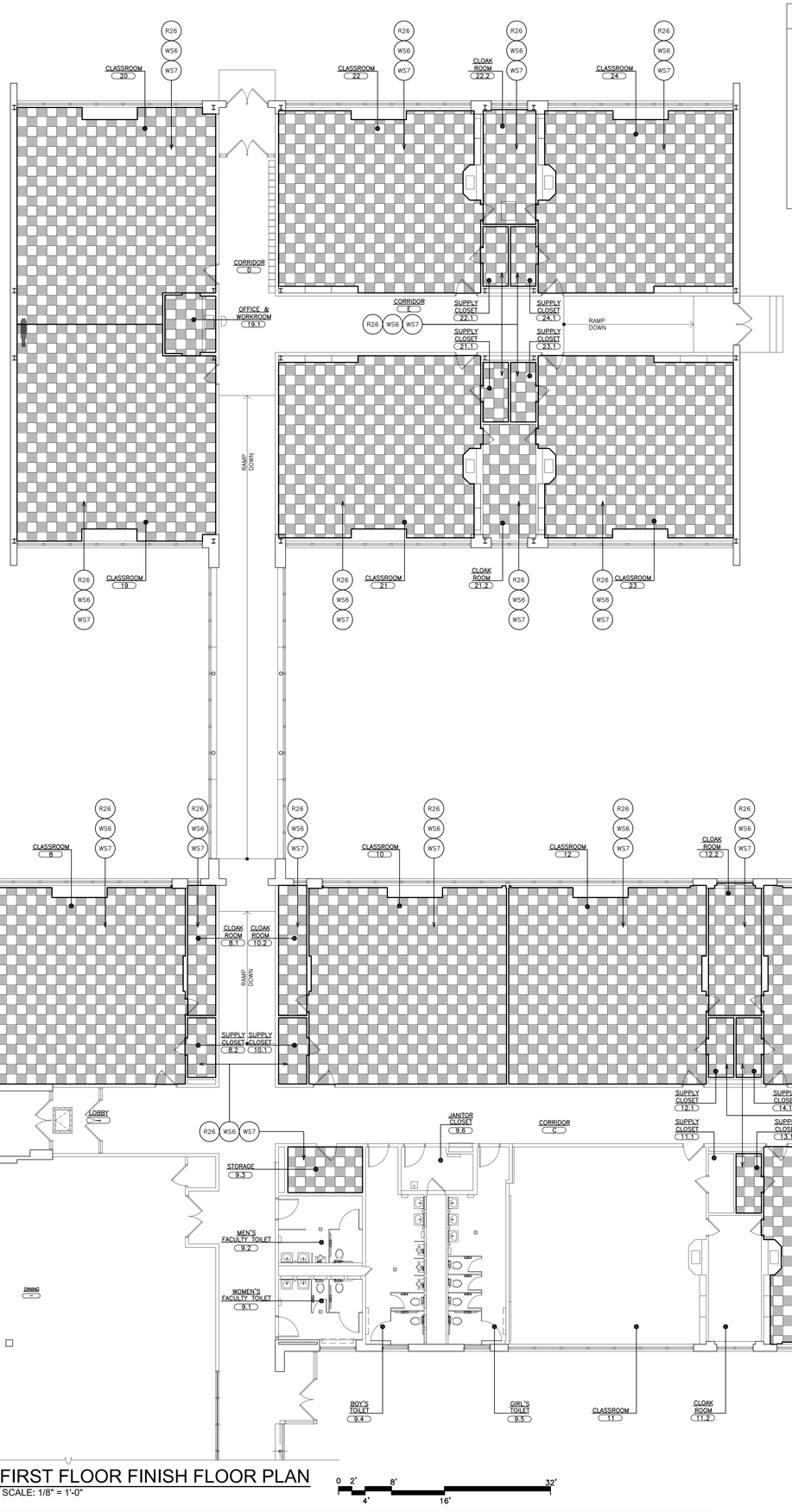
WORKSCOPE NOTES:

- WS1 NOT USED.
- WS2 NOT USED.
- WS3 NOT USED.
- WS4 PREPARE EXISTING WALL AND CEILING SURFACES FOR PAINTING. FLOOR TO CEILING REMOVAL ALL LOOSE MATERIALS AND DEGREASE AS REQUIRED TO THE SATISFACTION OF PAINT MANUFACTURE.
- WS5 BROOM SWEEP & VACUUM EXISTING CONCRETE FLOOR. WASH FLOOR WITH DEGREASING AGENT TO THE SATISFACTION OF THE EPOXY FLOOR MANUFACTURE. REMOVE ALL LOOSE CONCRETE AND PATCH WITH APPROVED PATCHING MATERIALS. PROVIDE EPOXY FLOOR PAINT OVER ENTIRE FLOOR SURFACE AND HOUSE KEEPING PADS.
- WS6 PROVIDE FLOOR FINISH. SEE FINISH SCHEDULE AND FINISH PLANS.
- WS7 PROVIDE CEMENT-BASED UNDERLAYMENT ON 100% FLOOR SURFACE TO ACHIEVE LEVEL & FLUSH CONDITION WITH ADJACENT FLOOR(S).
- WS8 PROVIDE NEW VCT FLOORING TO MATCH EXISTING ADJACENT TILE.
- WS9 NOT USED.
- WS10 NOT USED.
- WS11 PIPE TRENCH INFILL. SEE DETAILS 12/A500.
- WS12 NOT USED.
- WS13 NOT USED.
- WS14 NOT USED.
- WS15 VACUUM CLEAN THE EXISTING UNIT VENTILATOR BODY AND REPORT ANY DAMAGE TO THE OWNER'S REPRESENTATIVE.
- WS16 INSTALL NEW ALUMINUM LOUVER W/ BIRD, INSECT SCREEN AND INSULATED BLANK-OFF PANEL AND BRACKETS. EXTEND, MODIFY AND RECONNECT TO EXISTING AND OR NEW DUCTWORK. SEE LOUVER DETAILS.
- WS17 SCRAPE, WIRE BRUSH, PRIME AND PAINT EXISTING STEEL LINTEL. COLOR TO MATCH BRICK.
- WS18 PROVIDE NEW ACOUSTICAL CEILING PANELS IN EXISTING GRID CUT AS REQUIRED. PROVIDE WALL ANGLES AND RUNNERS SUPPORTS AS REQUIRED.
- WS19 NOT USED.
- WS20 REMOVE PORTION OF EXISTING ACOUSTICAL CEILING SYSTEM FOR INSTALLATION OF NEW PIPE WORK, TEMPORARILY SUPPORT ENDS OF SUSPENSION GRID. PROVIDE NEW GYPSUM BOARD SOFFIT. SEE DETAIL /A500.
- WS21 PROVIDE NEW LAMINATE CASEWORK, SOLID SURFACE COUNTERTOPS W/ PENCIL PROOF GRILLES. SEE DETAILS A151.
- WS22 PROVIDE SUSPENDED ACOUSTICAL CEILING SYSTEM & ALL RELATED ITEMS. ELECTRICAL CONTRACTOR REINSTALL EXISTING LIGHT FIXTURES & CEILING MOUNTED DEVICES. COORDINATE INSTALLATION. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- WS23 INSTALL NEW GALVANIZED STEEL LINTEL ANGEL WITH MIN. 8" BEARING EACH SIDE. PROVIDE SELF ADHERED MEMBRANE FLASHING, WEEP HOLES, REINSTALL EXISTING STONE. SEE DETAIL.
- WS24 PROVIDE NEW LED LIGHT FIXTURES. SEE ELECTRICAL DRAWINGS.
- WS25 PROVIDE CMU PARTITION / INFILL. TOOTHED INTO EXISTING CMU WALL. BLOCK FILL, PRIME AND PAINT.

FLOOR FINISH LEGEND

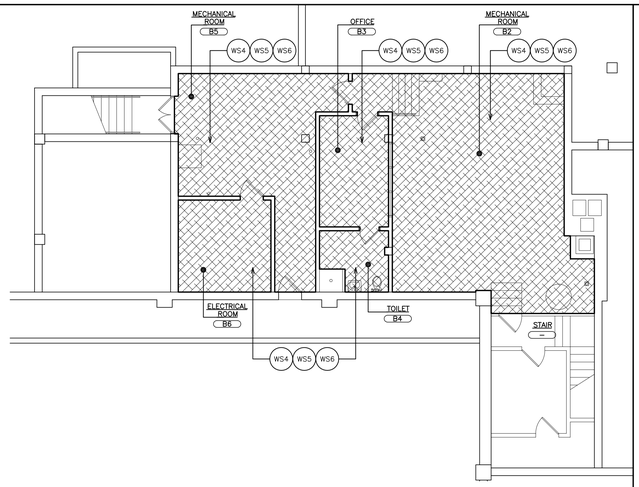
- 18"x18" HOMOGENEOUS VINYL TILE FLOORING. LAID IN CHECKER BOARD PATTERN. SEE FINISH SCHEDULE. (COLOR HVT-1 & HVT-2)
- FLOOR PAINTED. SEE FINISH SCHEDULE.
- WALL INDICATIONS ON FINISH SCHEDULE

NOTE: 1. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION

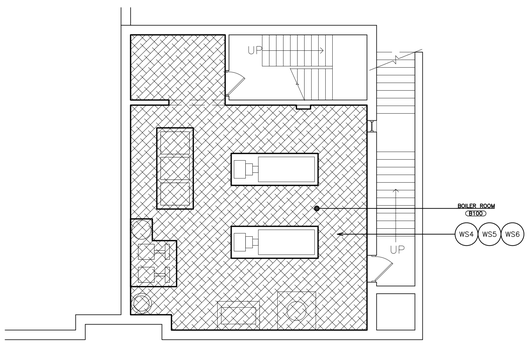


1 FIRST FLOOR FINISH FLOOR PLAN
SCALE: 1/8" = 1'-0"

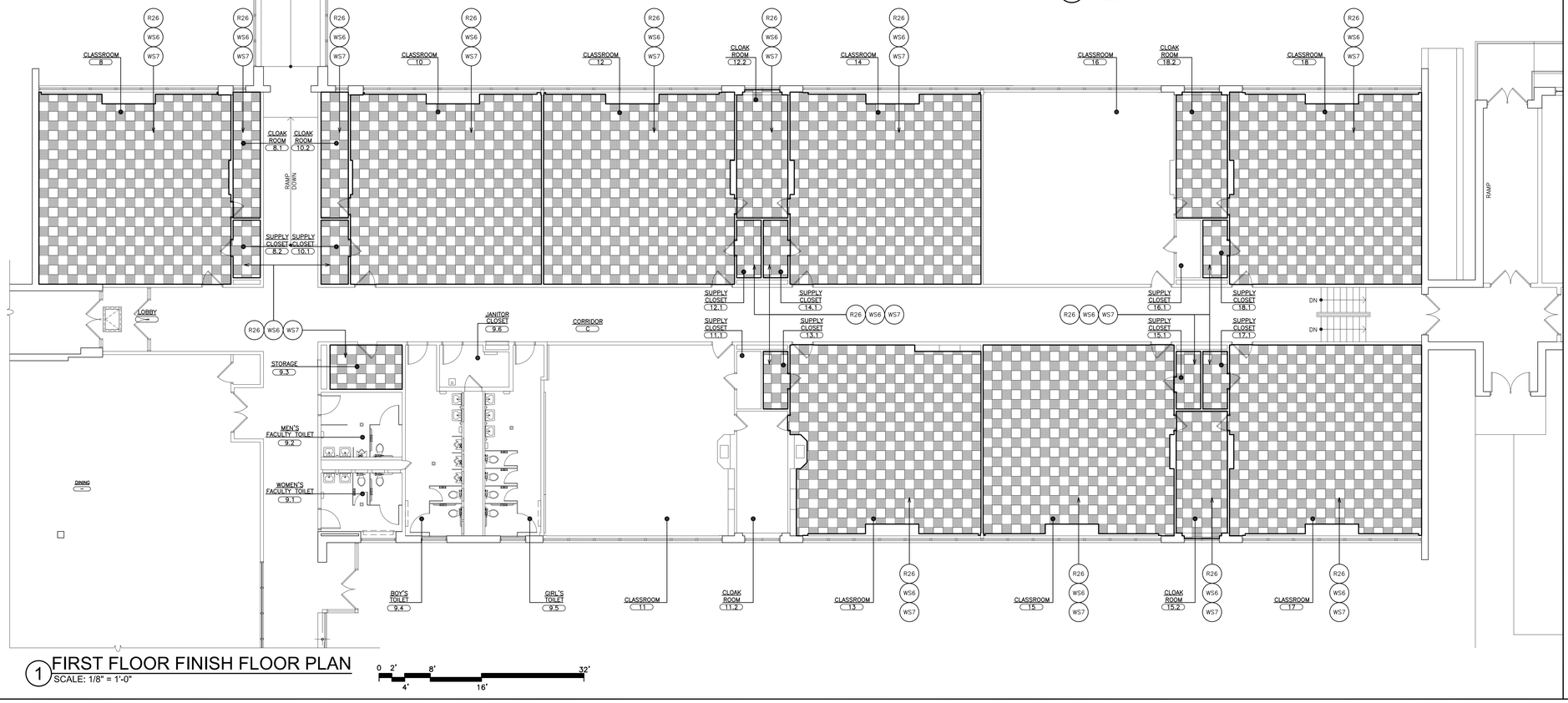
0 2' 4' 8' 16' 32'



2 BASEMENT FINISH FLOOR PLAN
SCALE: 1/8" = 1'-0"



3 BASEMENT FINISH FLOOR PLAN
SCALE: 1/8" = 1'-0"



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

YPS JOB # 10878

YONKERS SITE:
YONKERS SCHOOL DISTRICT
PS 29 - BOILER REPLACEMENT, HVAC UPGRADES & ASBESTOS ABATEMENT PHASE 2 OF 3
47 CROYDON ROAD, YONKERS N.Y. 10710

DRAWING TITLE
PARTIAL FINISH PLAN

DATE	ISSUED TO
10-21-2023	BID
11-06-2020	100% C.D. SUBMISSION
06-01-2020	100% D.D. SUBMISSION
05-01-2020	50% D.D. SUBMISSION

SHEET SIZE 30"x42" | DRAWING NO. A800
SCALE AS NOTED
DRAWN BY F & D | FILE NO. 19359.00

PLOT DATE: October 20, 2022 - 9:43am

FILE: I:\19359.00 Yonkers PS 29 Windows Masonry and Site\DRAWINGS\CURRENT\1-F&D\PS 29 Phase 2 HVAC & Flooring\19359.00-A800.dwg

FINISH SCHEDULE

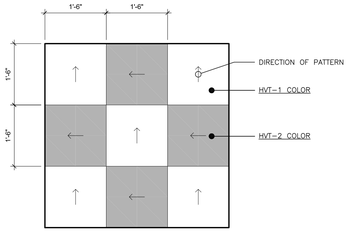
WALL INDICATIONS ON PLAN

LEVEL	LINE	DESIGNATION	FLOOR	BASE (MAT.)	WALL 1	WALL 2	WALL 3	WALL 4	CLG.	TRIM		CASEWORK			REMARKS
										DOORS	DOOR FRAMES	CABINETS	COUNTER TOPS	EDGING	
BASEMENT	01	MECHANICAL ROOM B2	P-5	–	P-6	P-6	P-6	P-6	P-6	P-4	P-3	–	–	–	
	02	OFFICE B3	P-5	–	P-6	P-6	P-6	P-6	P-6	P-4	P-3	–	–	–	
	03	TOILET B4	P-5	–	P-6	P-6	P-6	P-6	P-6	P-4	P-3	–	–	–	
	04	MECHANICAL ROOM B5	P-5	–	P-6	P-6	P-6	P-6	P-6	P-4	P-3	–	–	–	
	05	ELECTRICAL ROOM B6	P-5	–	P-6	P-6	P-6	P-6	P-6	P-4	P-3	–	–	–	
	06	BOILER ROOM B100	P-5	–	P-6	P-6	P-6	P-6	P-6	P-4	P-3	–	–	–	
	07														
	08														
	09														
LEVEL 1	10	CLASSROOM 1	–	–	–	–	–	–	–	–	–	CAB-1	COT-1	EDGE-1	
	11	TOILET 1.1	–	–	–	–	–	–	–	–	–	–	–	–	
	12	CLASSROOM 2	–	–	–	–	–	–	–	–	–	CAB-1	COT-1	EDGE-1	
	13	TOILET 2.1	–	–	–	–	–	–	–	–	–	–	–	–	
	14	CLASSROOM 3	–	–	–	–	–	–	–	–	–	CAB-1	COT-1	EDGE-1	
	15	TOILET 3.2	–	–	–	–	–	–	–	–	–	–	–	–	
	16	CLOAK ROOM 3.3	–	–	–	–	–	–	–	–	–	–	–	–	
	17	CLASSROOM 4	–	–	–	–	–	–	–	–	–	CAB-1	COT-1	EDGE-1	
	18	TOILET 4.2	–	–	–	–	–	–	–	–	–	–	–	–	
	19	CLOAK ROOM 4.3	–	–	–	–	–	–	–	–	–	–	–	–	
	20	CLASSROOM 5	–	–	–	–	–	–	–	–	–	CAB-1	COT-1	EDGE-1	
	21	TOILET 5.2	–	–	–	–	–	–	–	–	–	–	–	–	
	22	CLASSROOM 6	–	–	–	–	–	–	–	–	–	CAB-1	COT-1	EDGE-1	
	23	TOILET 6.2	–	–	–	–	–	–	–	–	–	–	–	–	
	24	CLASSROOM 7	–	–	–	–	–	–	–	–	–	CAB-1	COT-1	EDGE-1	
	25	CLOAK ROOM 7.1	–	–	–	–	–	–	–	–	–	–	–	–	
	26	TOILET 7.2	–	–	–	–	–	–	–	–	–	–	–	–	
	27	TOILET 7.3	–	–	–	–	–	–	–	–	–	–	–	–	
	28	STORAGE 7.4	–	–	–	–	–	–	–	–	–	–	–	–	
	29	CLASSROOM 8	HVT-1 & HVT-2	RB-1	–	–	–	–	–	–	–	–	–	–	
	30	SUPPLY CLOSET 8.1	HVT-1 & HVT-2	RB-1	–	–	–	–	–	–	–	–	–	–	
	31	CLOAK ROOM 8.2	HVT-1 & HVT-2	RB-1	–	–	–	–	–	–	–	–	–	–	
	32	STORAGE 9.3	HVT-1 & HVT-2	RB-1	–	–	–	–	–	–	–	–	–	–	
	33	CLASSROOM 10	HVT-1 & HVT-2	RB-1	–	–	–	–	–	–	–	–	–	–	
	34	CLASSROOM 12	HVT-1 & HVT-2	RB-1	–	–	–	–	–	–	–	–	–	–	
	35	SUPPLY CLOSET 2.1	HVT-1 & HVT-2	RB-1	–	–	–	–	–	–	–	–	–	–	
	36	CLOAK ROOM 12.2	HVT-1 & HVT-2	RB-1	–	–	–	–	–	–	–	–	–	–	
	37	CLASSROOM 13	HVT-1 & HVT-2	RB-1	–	–	–	–	–	–	–	–	–	–	
	38	SUPPLY CLOSET 13.1	HVT-1 & HVT-2	RB-1	–	–	–	–	–	–	–	–	–	–	
	39	CLASSROOM 14	HVT-1 & HVT-2	RB-1	–	–	–	–	–	–	–	–	–	–	
	40	SUPPLY CLOSET 14.1	HVT-1 & HVT-2	RB-1	–	–	–	–	–	–	–	–	–	–	
	41	CLASSROOM 15	HVT-1 & HVT-2	RB-1	–	–	–	–	–	–	–	–	–	–	
	42	SUPPLY CLOSET 15.1	HVT-1 & HVT-2	RB-1	–	–	–	–	–	–	–	–	–	–	
	43	CLOAK ROOM 15.2	HVT-1 & HVT-2	RB-1	–	–	–	–	–	–	–	–	–	–	
	44	CLASSROOM 17	HVT-1 & HVT-2	RB-1	–	–	–	–	–	–	–	–	–	–	
	45	SUPPLY CLOSET 17.1	HVT-1 & HVT-2	RB-1	–	–	–	–	–	–	–	–	–	–	
	46	CLASSROOM 18	HVT-1 & HVT-2	RB-1	–	–	–	–	–	–	–	–	–	–	
	47	SUPPLY CLOSET 18.1	HVT-1 & HVT-2	RB-1	–	–	–	–	–	–	–	–	–	–	
	48	CLOAK ROOM 18.2	HVT-1 & HVT-2	RB-1	–	–	–	–	–	–	–	–	–	–	
	49	CLASSROOM 19	HVT-1 & HVT-2	RB-1	–	–	–	–	–	–	–	–	–	–	
	50	OFFICE 19.1	HVT-1 & HVT-2	RB-1	–	–	–	–	–	–	–	–	–	–	
	51	CLASSROOM 20	HVT-1 & HVT-2	RB-1	–	–	–	–	–	–	–	–	–	–	
	52	CLASSROOM 21	HVT-1 & HVT-2	RB-1	–	–	–	–	–	–	–	–	–	–	
	53	SUPPLY CLOSET 21.1	HVT-1 & HVT-2	RB-1	–	–	–	–	–	–	–	–	–	–	
	54	CLOAK ROOM 21.2	HVT-1 & HVT-2	RB-1	–	–	–	–	–	–	–	–	–	–	
	55	CLASSROOM 22	HVT-1 & HVT-2	RB-1	–	–	–	–	–	–	–	–	–	–	
	56	SUPPLY CLOSET 22.1	HVT-1 & HVT-2	RB-1	–	–	–	–	–	–	–	–	–	–	
	57	CLOAK ROOM 22.2	HVT-1 & HVT-2	RB-1	–	–	–	–	–	–	–	–	–	–	
	58	CLASSROOM 23	HVT-1 & HVT-2	RB-1	–	–	–	–	–	–	–	–	–	–	
	59	SUPPLY CLOSET 23.1	HVT-1 & HVT-2	RB-1	–	–	–	–	–	–	–	–	–	–	
	60	CLASSROOM 24	HVT-1 & HVT-2	RB-1	–	–	–	–	–	–	–	–	–	–	
	61	SUPPLY CLOSET 24.1	HVT-1 & HVT-2	RB-1	–	–	–	–	–	–	–	–	–	–	
	62														
	63														
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	68														
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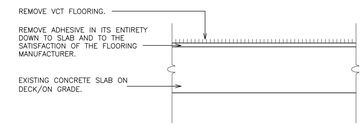
FINISH SCHEDULE LEGEND

NOTE: ALL FINISHES SHALL BE CLASS "A"

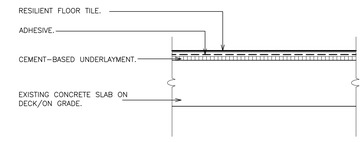
LEGEND	SIZE	MANUFACTURER	SERIES/MODEL NO./ COLOR	DESCRIPTION	LOCATION / REMARKS
P-1	–	SHERWIN WILLIAMS	COLOR TO BE SELECTED BY ARCHITECT	EGGSHELL PAINT	CLASSROOM
P-2	–	SHERWIN WILLIAMS	SW 7757 / HIGH REFLECTIVE WHITE	FLAT PAINT	SOFFITS & CEILINGS
P-3	–	SHERWIN WILLIAMS	COLOR TO BE SELECTED BY ARCHITECT	SEMI-GLOSS DOOR FRAMES	HOLLOW METAL DOOR FRAMES
P-4	–	SHERWIN WILLIAMS	COLOR TO BE SELECTED BY ARCHITECT	SEMI-GLOSS DOOR	HOLLOW METAL DOORS
P-5	–	SHERWIN WILLIAMS	SW-7652 / MINERAL DEPOSIT	FLOOR PAINT	BOILER ROOM
P-5	–	SHERWIN WILLIAMS	SW-6385 / DOVER WHITE	WALL PAINT	BOILER ROOM
ACT-1	2'x2'x5/8"	ARMSTRONG	563 / CIRRUS HIGH-NRC / LAY-IN	ACOUSTICAL CEILING TILE	CORRIDORS
HVT-1	18"x18"	TOLI	TERRALINE / SANDSTONE 7002	HOMOGENEOUS VINYL TILE	CLASSROOMS
HVT-2	18"x18"	TOLI	TERRALINE / CITRINE 7004	HOMOGENEOUS VINYL TILE	CLASSROOMS
RB-1	4" HIGH	JOHNSONITE	TA1 TANNERY	RUBBER BASE	CLASSROOM
RTS-1	–	JOHNSONITE	TA1 TANNERY	RUBBER TRANSITION STRIPS	CLASSROOM
CAB-1	–	WILSONART	BLOND ECHO / 7939K-18	CABINET LAMINATE	CLASSROOM
EDGE-1	–	WILSONART	BLOND ECHO / 7939K-18	3MM PVC EDGE BANDING	CLASSROOM
COT-1	–	CORIAN	DOESKIN	SOLID SURFACE COUNTERTOPS	CLASSROOM



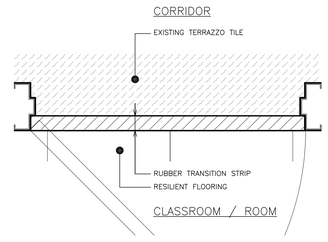
1 TYPICAL CHECKERBOARD FLOOR PATTERN
SCALE: 1/2" = 1'-0"



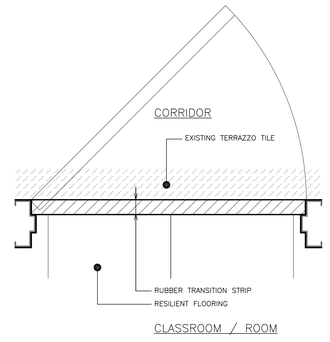
2 EXISTING FLOOR ASSEMBLY
SCALE: 1 1/2" = 1'-0"



3 REVISED FLOOR ASSEMBLY
SCALE: 1 1/2" = 1'-0"



4 TYPICAL DETAIL- EXISTING FLOOR TO RESILIENT FLOOR TRANSITION
SCALE: 1 1/2" = 1'-0"



5 TYPICAL DETAIL- EXISTING FLOOR TO RESILIENT FLOOR TRANSITION
SCALE: 1 1/2" = 1'-0"

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S.E.D. CONTROL NUMBER:

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

YPS JOB # 10878

PROJECT TITLE
YONKERS CITY SCHOOL DISTRICT
PS 29 - BOILER REPLACEMENT, HVAC UPGRADES & ASBESTOS ABATEMENT, PHASE 2 OF 3
47 CROTON ROAD, YONKERS N.Y. - 10710

DRAWING TITLE
FINISH LEGEND, FINISH SCHEDULE AND DETAILS

DATE	ISSUED TO
10-21-2023	BID
11-06-2020	100% C.D. SUBMISSION
06-01-2020	100% D.D. SUBMISSION
05-01-2020	50% D.D. SUBMISSION

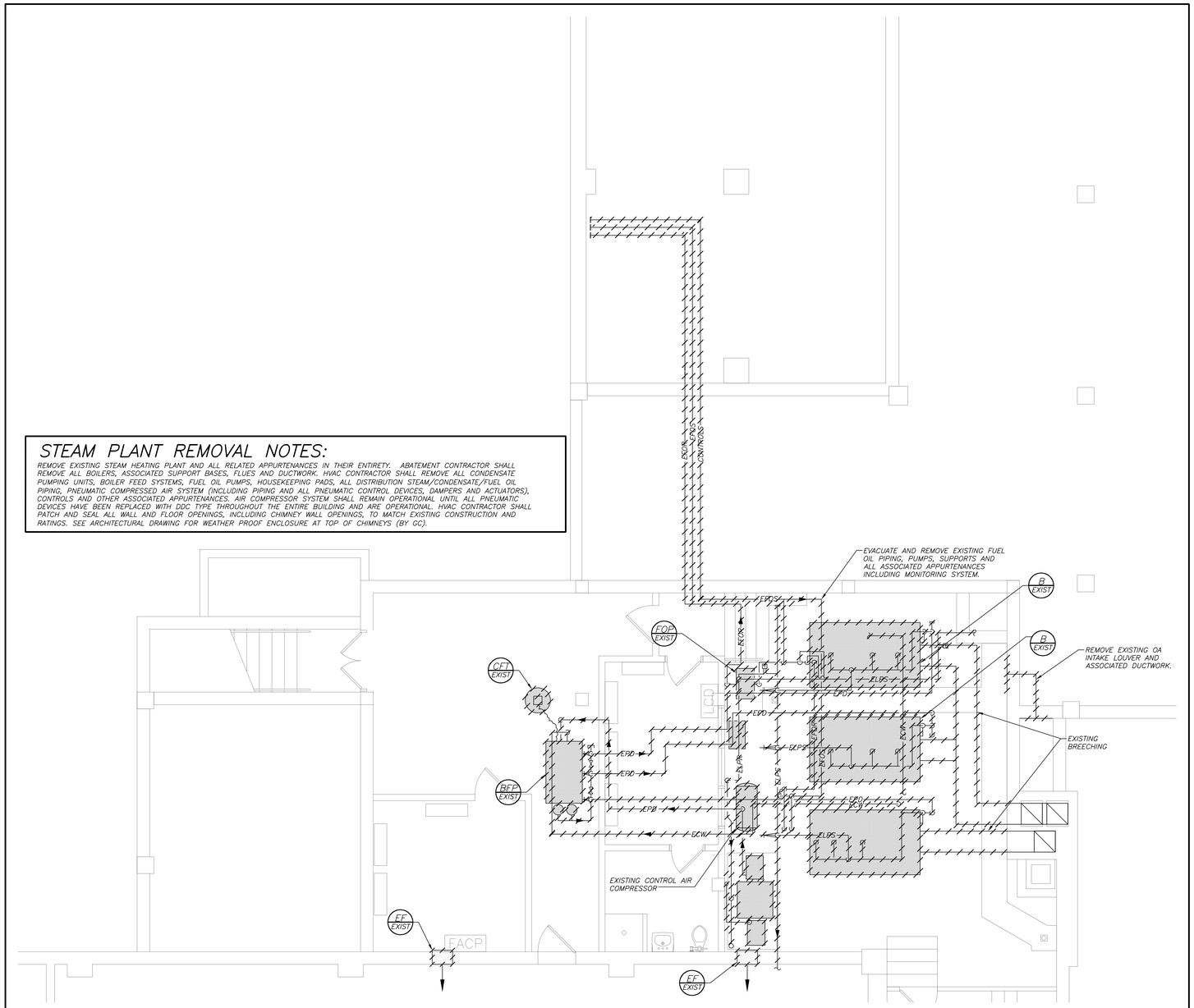
SHEET SIZE: 30"x42"
DRAWING NO.: A825
SCALE: AS NOTED
DRAWN BY: F & D
FILE NO.: 19359.00

PLOT DATE: October 19, 2022 - 3:00pm

FILE: I:\19359.00 Yonkers PS 29 Windows Masonry and Site\DRAWINGS\CURRENT\1-F&D\PS 29 Phase 2 HVAC & Flooring\19359.00-A825.dwg

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 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).



PART BASEMENT FLOOR PLAN (REMOVALS)

1/H101 — 1/4 inch=1 foot

REMOVAL NOTES:

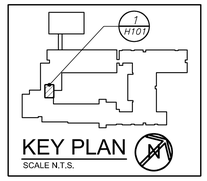
1. THE SCOPE OF REMOVAL SHOWN ON "REMOVALS" DRAWINGS IS DIAGRAMMATIC ONLY AND INDICATES THE INTENT OF THE WORK TO BE PERFORMED AND NOT THE COMPLETE SCOPE OF DEMOLITION AND/OR REMOVAL WORK. IT SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR TO REMOVE ANY RELATED MECHANICAL DEVICES EVEN IF NOT SPECIFICALLY INDICATED TO BE REMOVED ON THESE DRAWINGS IN ORDER TO ACCOMMODATE NEW WORK.
2. DEVICES SHOWN CROSS HATCHED ON DRAWINGS ARE ITEMS TO BE REMOVED. ANY DEVICES REMOVED SHALL INCLUDE (BUT SHALL NOT BE LIMITED TO) THE REMOVAL OF ALL ASSOCIATED PIPING, CONTROLS, ETC. THAT ARE NOT INCORPORATED IN THE NEW LAYOUT, UNTIL SUCH REMOVAL IS COMPLETE. THIS CONTRACTOR SHALL PERFORM ALL WORK REQUIRED TO INSURE CONTINUITY OF SERVICE TO EXISTING REMAINING EQUIPMENT. NO EXTRAS RELATING TO THE SCOPE OF WORK DESCRIBED WILL BE ALLOWED.
3. EQUIPMENT, PIPING, ETC., REQUIRED TO RECONNECT SHALL BE INSTALLED CONCEALED WITHIN THE NEW SUSPENDED CEILINGS, PARTITIONS AND/OR WALLS, FLOORS, NO SURFACE MOUNTED OR EXPOSED EQUIPMENT, PIPING, ETC., SHALL BE PERMITTED, UNLESS SPECIFICALLY INDICATED WHERE PIPING IS INSTALLED EXPOSED.
4. ALL ITEMS TO BE REMOVED SHALL BE REVIEWED WITH THE OWNER PRIOR TO REMOVAL. OWNER SHALL HAVE FIRST SALVAGE RIGHTS. ITEMS THE OWNER WISHES TO KEEP SHALL BE REMOVED WITH CARE AND STORED AS DIRECTED BY OWNER. ITEMS THE OWNER DOES NOT WISH TO KEEP SHALL BE REMOVED FROM THE SITE AND DISPOSED OF PROPERLY.
5. 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.
6. EXISTING AND REFURBISHED HVAC EQUIPMENT (INCLUDING ALL AIR OUTLETS) SHALL BE AIR AND WATER BALANCED TO ORIGINAL AND SPECIFIED PERFORMANCES.

REFURBISHMENT SCOPE OF WORK:

1. THE CONTRACTOR SHALL PERFORM THE FOLLOWING WORK:
   - A. 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.
   - B. CLEAN FAN WHEELS OF DIRT BUILD-UP.
   - C. CHECK FAN BEARINGS FOR EXCESSIVE WEAR AND REPLACE IF NECESSARY. LUBRICATE.
   - D. REPLACE DRIVE BELT(S), PULLIES, AND ADJUST SHEAVES AS REQUIRED. REPLACE SHEAVES AS NECESSARY TO ACHIEVE REQUIRED CFM QUANTITIES.
   - E. CLEAN COIL(S) DOWN TO BARE METAL. STRAIGHTEN BENT FINS.
   - F. REPLACE FILTERS WITH NEW FILTERS. SIZE SHALL BE APPROPRIATE FOR FILTER RACK.
   - G. FREE-UP AND LUBRICATE MIXED AIR DAMPERS.
   - H. CHECK MOUNTINGS AND HOUSINGS FOR LOOSE PARTS AND REPAIR AS NECESSARY.
   - I. CLEAN ALL DAMPER BLADES AND LUBRICATE SHAFTS.
   - J. REPLACE ALL FLEXIBLE DUCT CONNECTIONS.
   - K. REPLACE ALL DRIVE MOTORS WITH NEW HIGH EFFICIENCY MOTORS. REPLACE MOTOR/STARTER/DISCONNECT SWITCHES AND WIRING.
   - L. REPLACE ALL UNIT VENTILATOR PSC MOTORS WITH ECM MOTORS.
   - M. REPLACE BEARINGS AND BENT/WORN SHAFTS.
   - N, REBALANCE SYSTEMS TO INDICATED PERFORMANCES.
2. PRODUCTS AND EXECUTION
   - A. BELTS SHALL BE COMMERCIAL QUALITY FOR THEIR USE AND SHALL BE OF PROPER SIZE AND LENGTH TO FIT THE SHEAVES AND DRIVE LENGTH.
   - B. LUBRICANTS SHALL BE COMMERCIAL QUALITY FOR THEIR USE AND SHALL BE OF TYPE AS SPECIFICALLY RECOMMENDED BY THE MANUFACTURER.
   - C. ALL GREASE FITTINGS SHALL BE WIPED CLEAN BEFORE AND AFTER LUBRICATION AND ALL SPILLED LUBRICANT SHALL BE CLEANED UP.
   - D. 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
	POINT OF CHANGE IN DUCT SIZE NEW DUCTWORK W/ ACOUSTICAL LINING (WHERE APPLICABLE)
	FLEXIBLE CONNECTION NEW DUCTWORK POINT OF CHANGE IN DUCT SIZE
	SQUARE DUCT TURN WITH TURNING VANES
	EXISTING CEILING EXHAUST/RETURN REGISTER/GRILLE
CG	TYPE -SEE SCHEDULE 4-WAY CEILING DIFFUSER
CG	TYPE -SEE SCHEDULE 2-WAY CEILING DIFFUSER
CG	TYPE-SEE SCHEDULE REGISTER/DIFFUSER IDENTIFICATION CFM
	DUCT MTD. MANUAL AIR VOLUME DAMPER (LOCKING TYPE)
MD	MOTORIZED DAMPER
	FIRE DAMPER AND ACCESS DOOR/SMOKE DAMPER W/AD
ELPS	EXISTING LOW PRESSURE STEAM SUPPLY PIPE
ELPR	EXISTING LOW PRESSURE STEAM RETURN PIPE
EFOS	EXISTING FUEL OIL SUPPLY PIPE
EFOR	EXISTING FUEL OIL RETURN PIPE
EPD	EXISTING PUMPED DISCHARGE PIPE
ECW	EXISTING DOMESTIC COLD WATER SUPPLY
ECHWS	EXISTING CHILLED WATER SUPPLY PIPE
ECHWR	EXISTING CHILLED WATER RETURN PIPE
HWS	EXISTING HOT WATER SUPPLY PIPE
HWR	EXISTING HOT WATER RETURN PIPE
HWRR	EXISTING HOT WATER REVERSE RETURN PIPE
CD	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
AV	AUTOMATIC AIR VENT IDENTIFICATION
	THERMOMETER
	PRESSURE GAUGE (WITH SHUT-OFF COCK)
	STRAINER WITH BLOWDOWN
B / EXIST	NEW BOILER / EXISTING BOILER IDENTIFICATION
ET	NEW EXPANSION TANK IDENTIFICATION
CFT	NEW CHEMICAL FEED TANK IDENTIFICATION
HWP / EXIST	NEW HOT WATER PUMP / EXISTING HOT WATER PUMP IDENTIF.
DF	NEW DRAFT FLUE FAN IDENTIFICATION
UV / EXIST	EXISTING UNIT VENTILATOR IDENTIFICATION
LOUV / EXIST	EXISTING UNIT VENTILATOR LOUVER IDENTIFICATION
EF / EXIST	EXISTING EXHAUST FAN IDENTIFICATION
SF / EXIST	NEW SUPPLY FAN / EXISTING SUPPLY FAN IDENTIFICATION
UH / EXIST	NEW UNIT HEATER / EXISTING UNIT HEATER IDENTIFICATION
RAD / EXIST	EXISTING RADIATION IDENTIFICATION
FTR / EXIST	NEW FIN TUBE TYPE AND LENGTH IDENTIFICATION
CFC / EXIST	NEW CHEMICAL FEED TANK / EXISTING CHEMICAL FEED TANK
CH / EXIST	NEW CABINET HEATER / EXISTING CABINET HEATER IDENTIFICATION
CONV / EXIST	NEW CONVECTOR / EXISTING CONVECTOR IDENTIFICATION
AHU / EXIST	EXISTING AIR HANDLING UNIT IDENTIFICATION
VCP / EXIST	EXISTING VACUUM CONDENSATE PUMP IDENTIFICATION
BFP / EXIST	EXISTING BOILER FEED PUMP IDENTIFICATION
FOP / EXIST	EXISTING FUEL OIL PUMP SET IDENTIFICATION
T	NEW WALL MTD.(5'-2"+/- A.F.F.) TEMPERATURE SENSOR
T	EXISTING TEMPERATURE SENSOR
L	LOUVERED DOOR
U	UNDERCUT DOOR
	POINT OF DISCONNECTION
	POINT OF CONNECTION, NEW TO EXISTING
WMS	WIRE MESH SCREEN
CFM	CUBIC FEET PER MINUTE
AFF	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
1 / H101	SECTION/DETAIL/ELEVATION/PART PLAN NUMBER DRAWING NUMBER SECTION/ELEVATION IDENTIFICATION



KEY PLAN
SCALE N.T.S.

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

YPS JOB # 10878

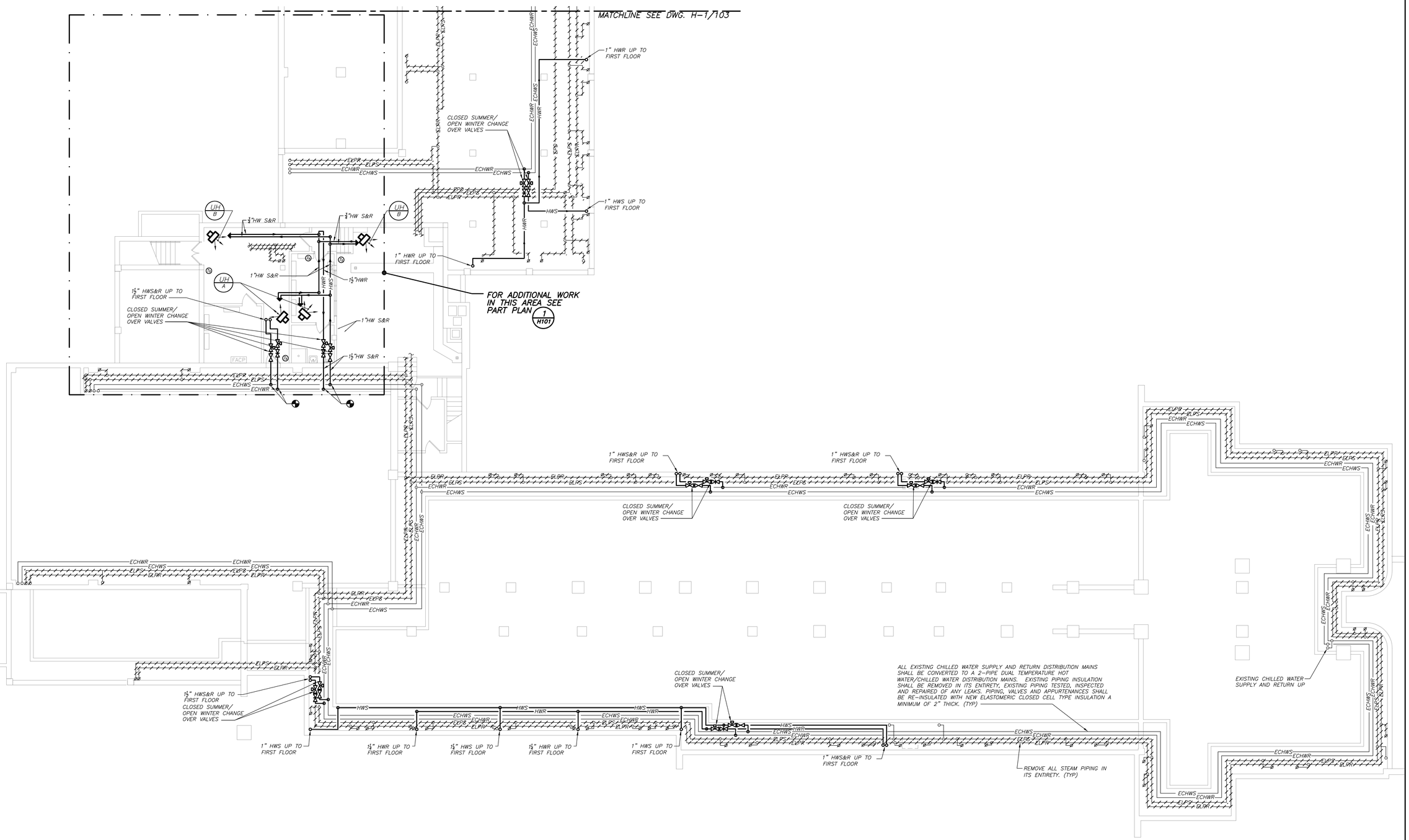
PROJECT TITLE
YONKERS SCHOOL DISTRICT
PS 29 - BOILER REPLACEMENT, HVAC UPGRADES & ASBESTOS ABATEMENT PHASE 2 OF 2
47 CROTON ROAD, YONKERS N.Y. 10710

DRAWING TITLE
LEGEND, NOTES, AND PART BASEMENT PLAN

DATE	ISSUED TO
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" | DRAWING NO. H101
SCALE AS NOTED
DRAWN BY BGA | FILE NO. 19359.00

PLOT DATE: October 20, 2022 - 1:04pm
FILE: Y:\YONKERS PUBLIC SCHOOLS\YPS - School 29 - Ph 2 - Boilers, HVAC, Windows & Asbestos Abatement (2242.00)\Drawings\HVAC\224200H101.dwg
Y:\YONKERS PUBLIC SCHOOLS\YPS - School 29 - Ph 2 - Boilers, HVAC, Windows & Asbestos Abatement (2242.00)\Drawings\HVAC\224200H101.dwg October 20, 2022

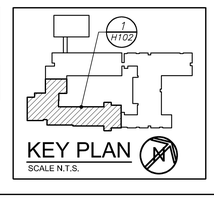


PART BASEMENT FLOOR PLAN
(REMOVALS AND NEW WORK)

1/H102 — 0, 6", 12" — 1/8 inch=1 foot

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)



KEY PLAN
SCALE N.T.S.

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TEL. 914.592.4444 FAX. 914.592.1717

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

YPS JOB # 10878

YONKERS PUBLIC SCHOOLS
YONKERS SCHOOL DISTRICT
PS 29 - BOILER REPLACEMENT, HVAC UPGRADES & ASBESTOS ABATEMENT PHASE 2 OF 3
47 CROYDON ROAD, YONKERS, N.Y. - 10710

DRAWING TITLE
PART BASEMENT CRAWL SPACE AND PIPE TUNNEL PLAN

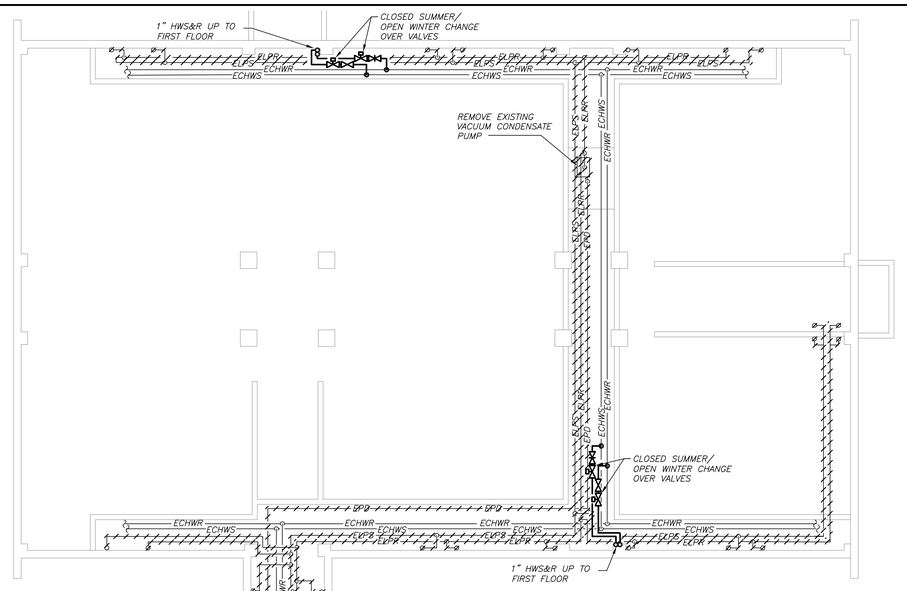
DATE	ISSUED TO
10-21-2022	BID
11-06-2020	100% C.D. SUBMISSION
06-01-2020	100% D.D. SUBMISSION
05-01-2020	50% D.D. SUBMISSION

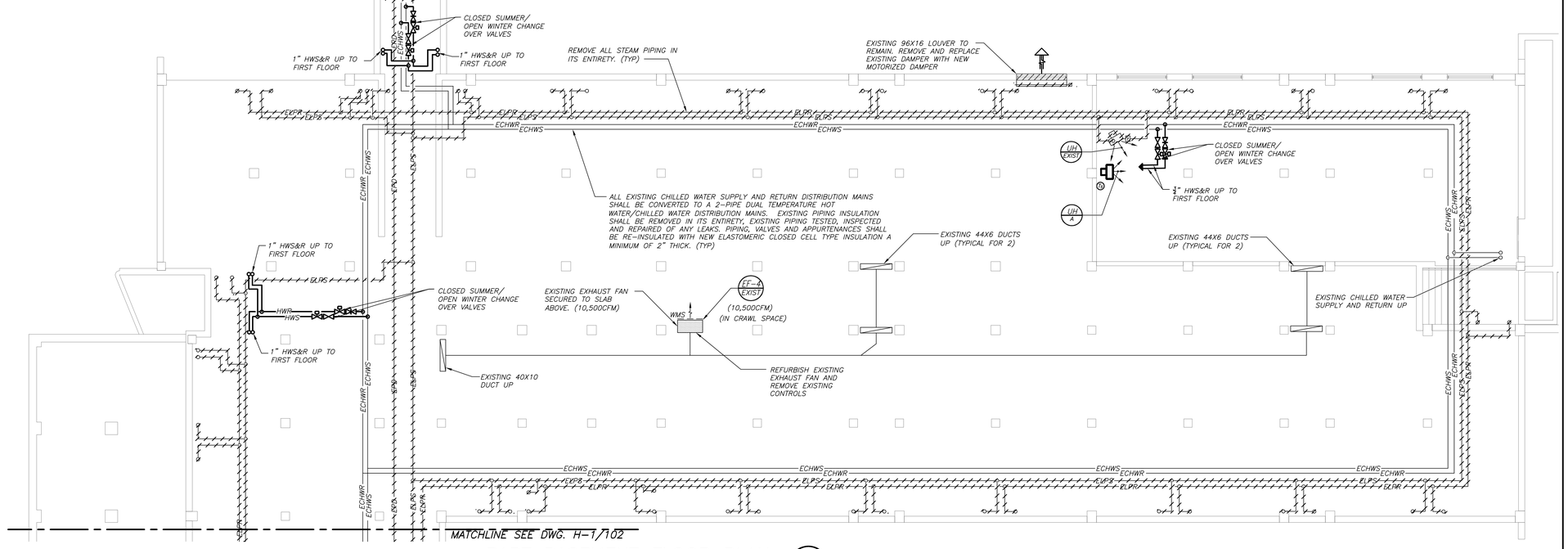
SHEET SIZE 30"x42"	DRAWING NO. H102
SCALE AS NOTED	
DRAWN BY BGA	FILE NO. 19359.00

PLOT DATE: October 20, 2022 - 1:04pm

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 October 20, 2022





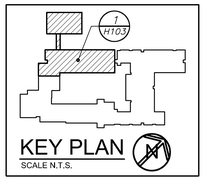
MATCHLINE SEE DWG. H-1/102

PART BASEMENT FLOOR PLAN
(REMOVALS AND NEW WORK)

1/H103 — 0, 8', 16' — 1/8 inch=1 foot

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)



KEY PLAN
SCALE N.T.S.

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

YPS JOB # 10878

PROJECT TITLE
YONKERS SCHOOL DISTRICT
PS 29- BOILER REPLACEMENT, HVAC UPGRADES & ASBESTOS ABATEMENT PHASE 2 OF 3
47 CROYDON ROAD, YONKERS N.Y. - 10710

DRAWING TITLE
PART BASEMENT CRAWL SPACE AND PIPE TUNNEL PLAN

DATE	ISSUED TO
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" | DRAWING NO. H103
SCALE AS NOTED
DRAWN BY BGA | FILE NO. 19359.00

PLOT DATE: October 20, 2022 - 1:04pm

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 October 20, 2022

MATCHLINE SEE DWG. H-1/105

REFURBISH EXISTING UNIT VENTILATORS. ABANDON EXISTING STEAM HEATING COIL. REMOVE EXISTING STEAM AND CONDENSATE PIPING AND ASSOCIATED CONTROLS TO ALLOW FOR NEW TWO PIPE HOT/CHILLED WATER PIPING DISTRIBUTION. (TYP)

EXISTING COURTYARD

STORAGE 108 | STORAGE 109 | KITCHEN 107 | STORAGE 105 | STORAGE 106 | PASSAGE Z | STAGE | GYM | CLASSROOM | CLOAK RM. | CLASSROOM | CLASSROOM | CLASSROOM

REFURBISH EXISTING EXHAUST FANS AND REMOVE EXISTING CONTROLS. (TYP)

REFURBISH EXISTING UNIT VENTILATORS. ABANDON EXISTING STEAM HEATING COIL. REMOVE EXISTING STEAM AND CONDENSATE PIPING AND ASSOCIATED CONTROLS TO ALLOW FOR NEW TWO PIPE HOT/CHILLED WATER PIPING DISTRIBUTION. (TYP)

EXISTING 40X10 DUCT DN CRAWL SPACE BELOW

EXISTING 44X6 DUCT DN CRAWL SPACE BELOW (TYPICAL FOR 2)

EXISTING 44X6 DUCT DN CRAWL SPACE BELOW (TYPICAL FOR 2)

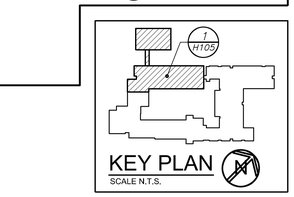
EXISTING SUPPLY AND RETURN MAINS DN TO CRAWL SPACE

CONVERT EXISTING STEAM CONVECTORS FROM STEAM TO HOT WATER

MATCHLINE SEE DWG. H-1/104

PART FIRST FLOOR PLAN (REMOVALS)

1/8 inch=1 foot



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S.E.D. CONTROL NUMBER:

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

YPS JOB # 10878

PROJECT TITLE: YONKERS SCHOOL DISTRICT
YONKERS PUBLIC SCHOOLS: HVAC UPGRADES & PS 29 - BOILER REPLACEMENT, HVAC UPGRADES & ASBESTOS ABATEMENT PHASE 2 OF 3
47 CROTON ROAD, YONKERS N.Y. 10710

DRAWING TITLE: PART FIRST FLOOR PLAN

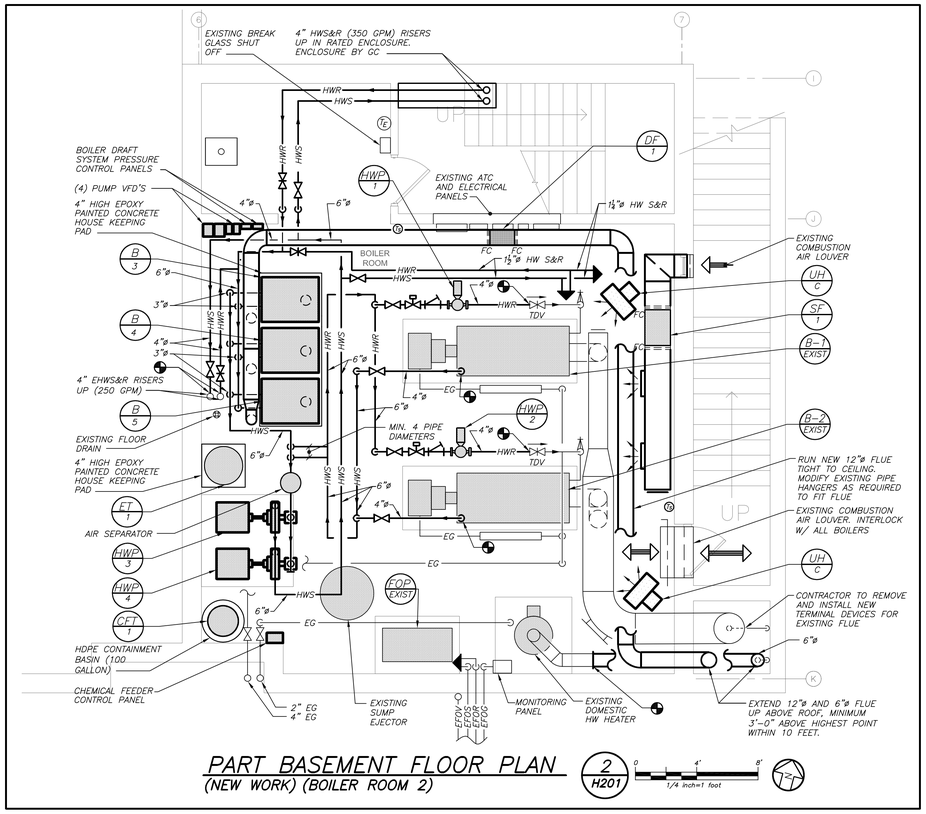
DATE	ISSUED TO
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05-01-2020	50% D.D. SUBMISSION

SHEET SIZE: 30"x42"
DRAWING NO.: H105
SCALE: AS NOTED
DRAWN BY: BGA
FILE NO.: 19359.00

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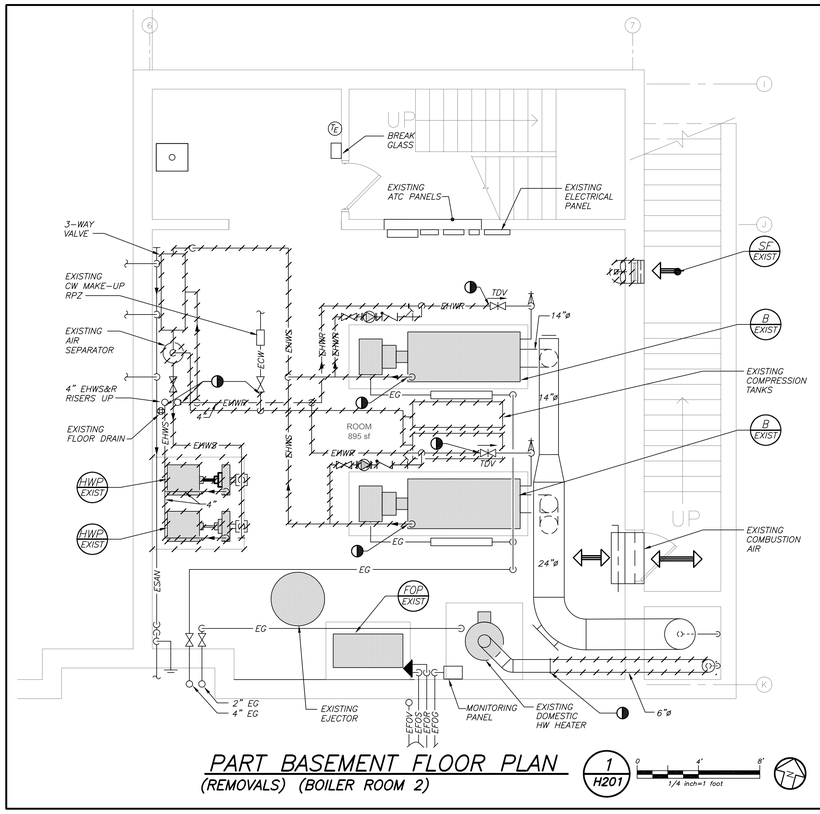
PLOT DATE: October 20, 2022 - 1:04pm

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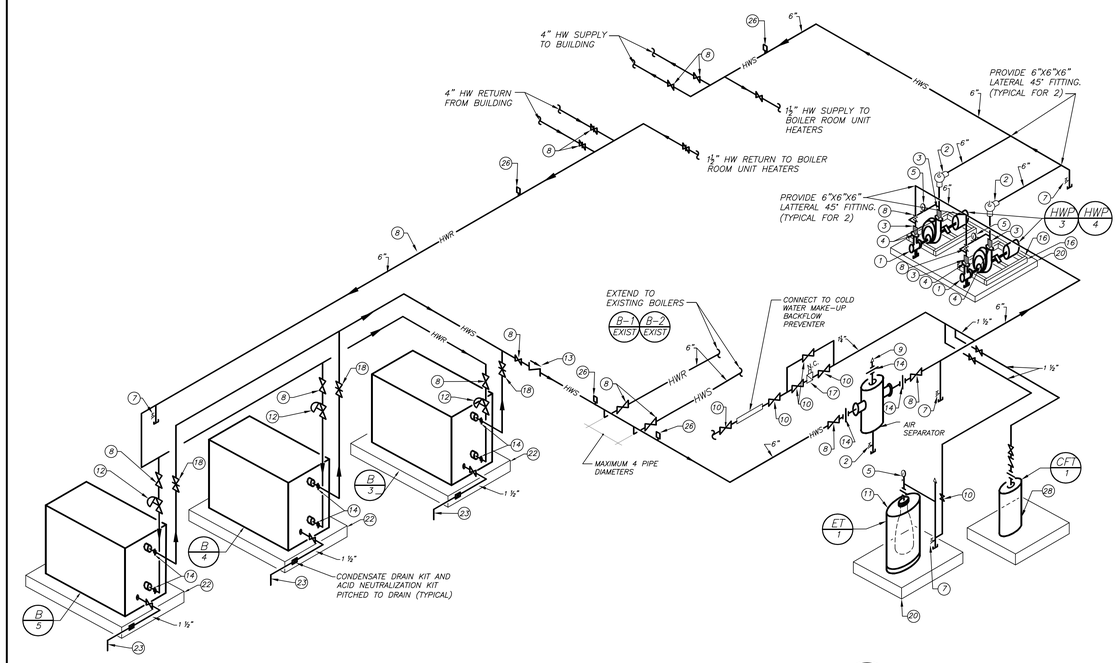
PART BASEMENT FLOOR PLAN
(NEW WORK) (BOILER ROOM 2)

2 / H201 — 0, 1', 4', 8' — 1/4 inch=1 foot



PART BASEMENT FLOOR PLAN
(REMOVALS) (BOILER ROOM 2)

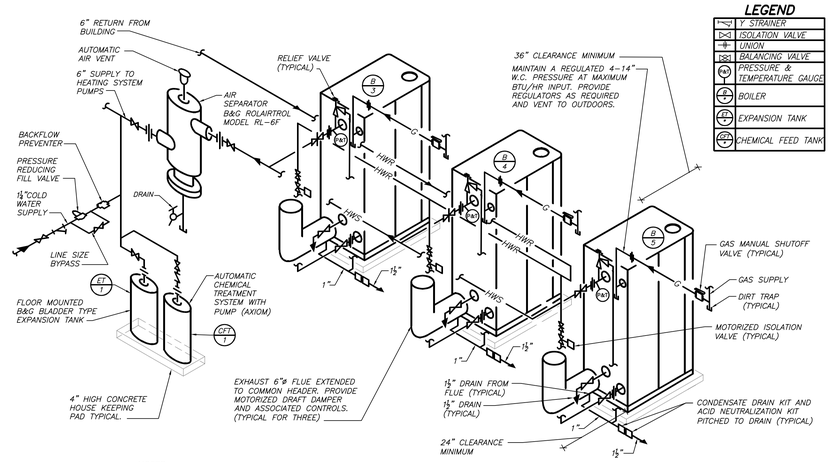
1 / H201 — 0, 1', 4', 8' — 1/4 inch=1 foot



HOT WATER SCHEMATIC PIPING DIAGRAM
4 / H201 — NO SCALE

LIST OF APPURTENANCES

MARK	DESCRIPTION
1	SUCTION DIFFUSER
2	TRIPLE DUTY VALVE (SOFT SEAT)
3	FLEXIBLE CONNECTION
4	CONCENTRIC REDUCER
5	PRESSURE GUAGE(W/SHUT-OFF COCK)
6	PRESSURE GUAGE (WITH SHUT-OFF COCK) & THERMOMETER
7	SYSTEM DRAIN DOWN 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	MOTORIZED ISOLATION VALVE
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	BALANCING VALVE
19	NOT USED
20	NEW 4" THICK CONCRETE HOUSEKEEPING PAD
21	NOT USED
22	EXISTING 4" HOUSEKEEPING PAD
23	BOILER DRAIN
24	NOT USED
25	BALANCE VALVE
26	HEADER TEMPERATURE SENSOR
27	DIFFERENTIAL PRESSURE SENSOR (VFD)
28	AUTOMATIC CHEMICAL FEED TANK



LEGEND

	Y STRAINER
	ISOLATION VALVE
	UNION
	BALANCING VALVE
	PRESSURE & TEMPERATURE GAUGE
	BOILER
	EXPANSION TANK
	CHEMICAL FEED TANK

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.

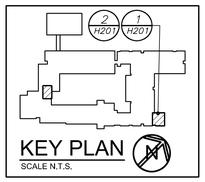
2) LOCATE WATER INLET AND OUTLET FITTINGS (i.e. UNIONS, ELBOWS, ETC.) A MINIMUM OF 6" FROM BOILER FITTINGS TO PREVENT INTERFERENCE WITH REMOVAL OF BOILER PANELS AND COVERS. ALL PIPING AND ELECTRIC CONNECTIONS (SERVICE SWITCHES, CONDUIT BOXES) SHOULD LIKEWISE BE 6" AWAY FROM SIDE PANELS.

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 NYSDOL PART 4 AND NYSED MPS.

5) PROVIDE ALL GALVANIZED PIPING FOR CONDENSATE DRAIN. PROVIDE ¾" 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
3 / H201 — NO SCALE



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

YPS JOB # 10878

PROJECT TITLE
YONKERS SCHOOL DISTRICT
PS 29 - BOILER REPLACEMENT, HVAC UPGRADES & ASBESTOS ABATEMENT PHASE 2 OF 3
47 CROTON ROAD, YONKERS N.Y. 10710

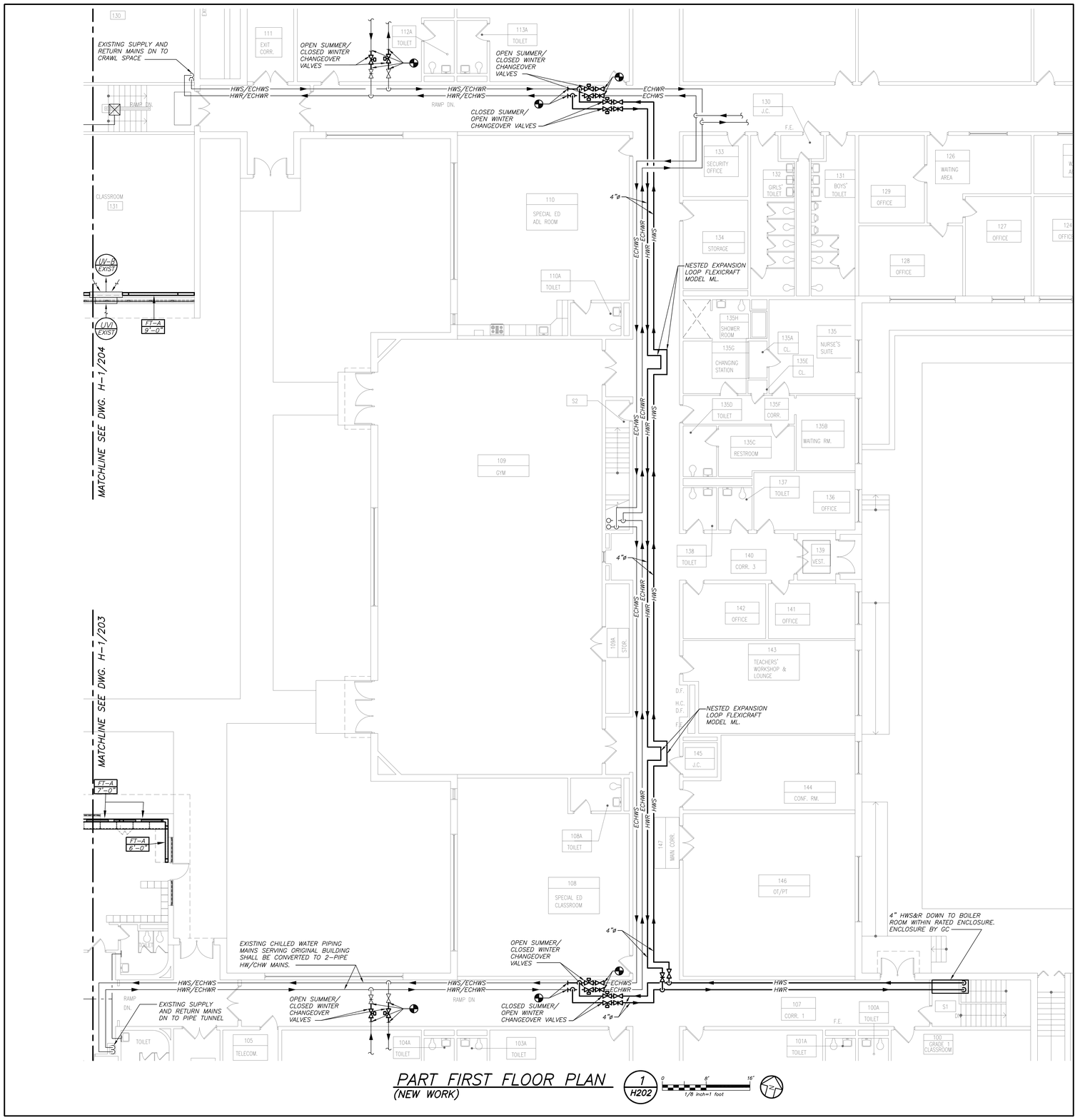
DRAWING TITLE
PART BASEMENT PLANS AND HOT WATER PIPING DIAGRAMS

DATE	ISSUED TO
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" | DRAWING NO. H201
SCALE AS NOTED
DRAWN BY BGA | FILE NO. 19359.00

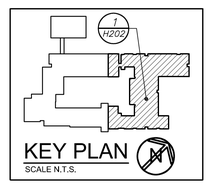
PLOT DATE: October 20, 2022 - 1:04pm

FILE: Y:\YONKERS PUBLIC SCHOOLS\YPS - School 29 - Ph 2 - Boilers, HVAC, Windows & Asbestos Abatement (2242.00)\Drawings\HVAC\224200H201.dwg



PART FIRST FLOOR PLAN (NEW WORK)

1/8 inch=1 foot



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

YPS JOB # 10878

PROJECT TITLE
YONKERS SCHOOL DISTRICT
PS 29 - BOILER REPLACEMENT, HVAC UPGRADES & ASBESTOS ABATEMENT PHASE 2 OF 3
47 CHOTPOON ROAD, YONKERS N.Y. 10710

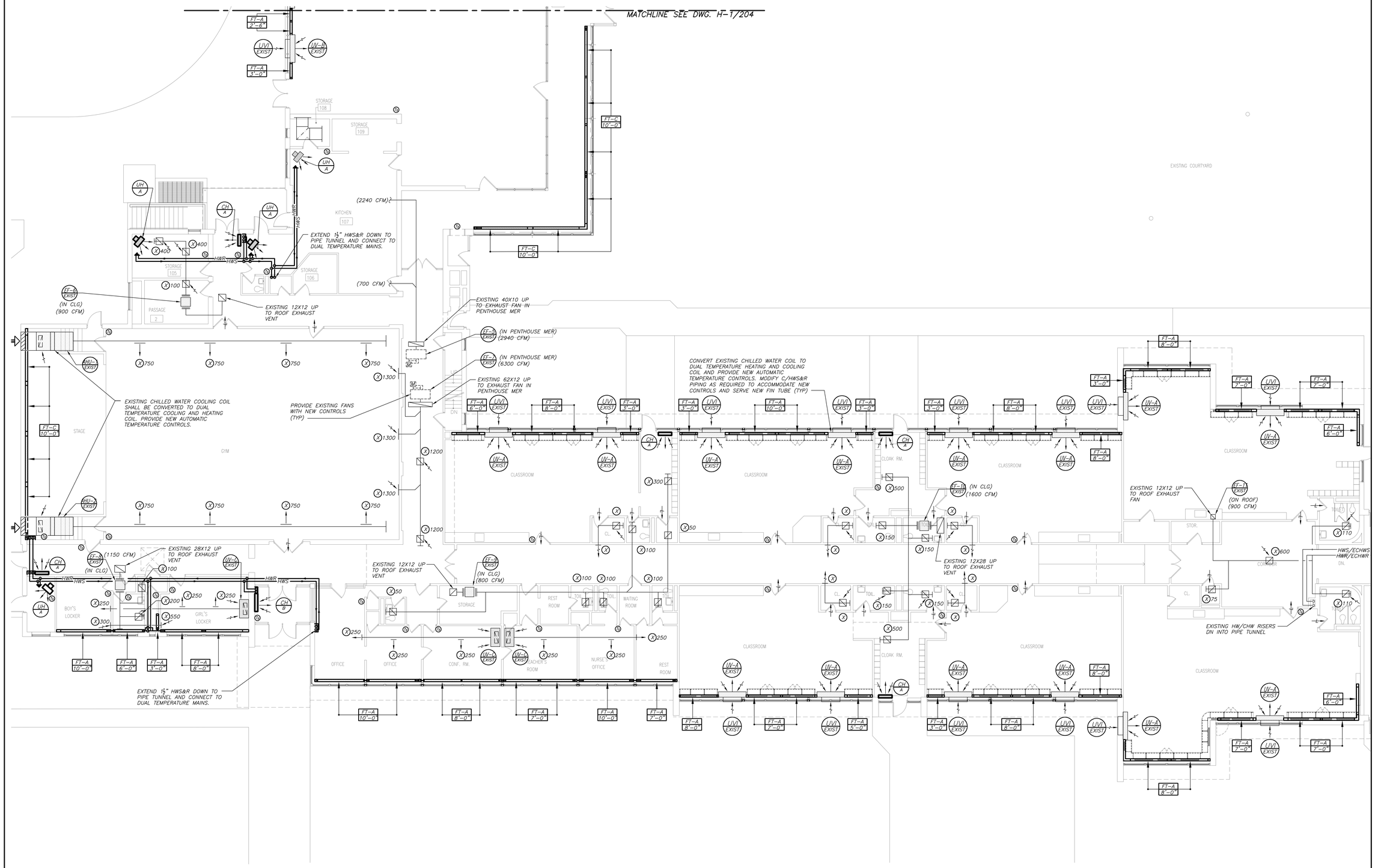
DRAWING TITLE
PART FIRST FLOOR PLAN

DATE	ISSUED TO
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"	DRAWING NO. H202
SCALE AS NOTED	
DRAWN BY BGA	FILE NO. 19359.00

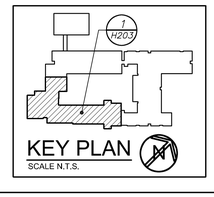
PLOT DATE: October 20, 2022 - 1:04pm

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PART FIRST FLOOR PLAN (NEW WORK)

1/8 inch=1 foot



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

PROJECT TITLE
YONKERS SCHOOL DISTRICT
PS 29 - BOILER REPLACEMENT, HVAC, UPGRADES & ASBESTOS ABATEMENT PHASE 2 OF 3
47 CROYDON ROAD, YONKERS, N.Y. - 10710

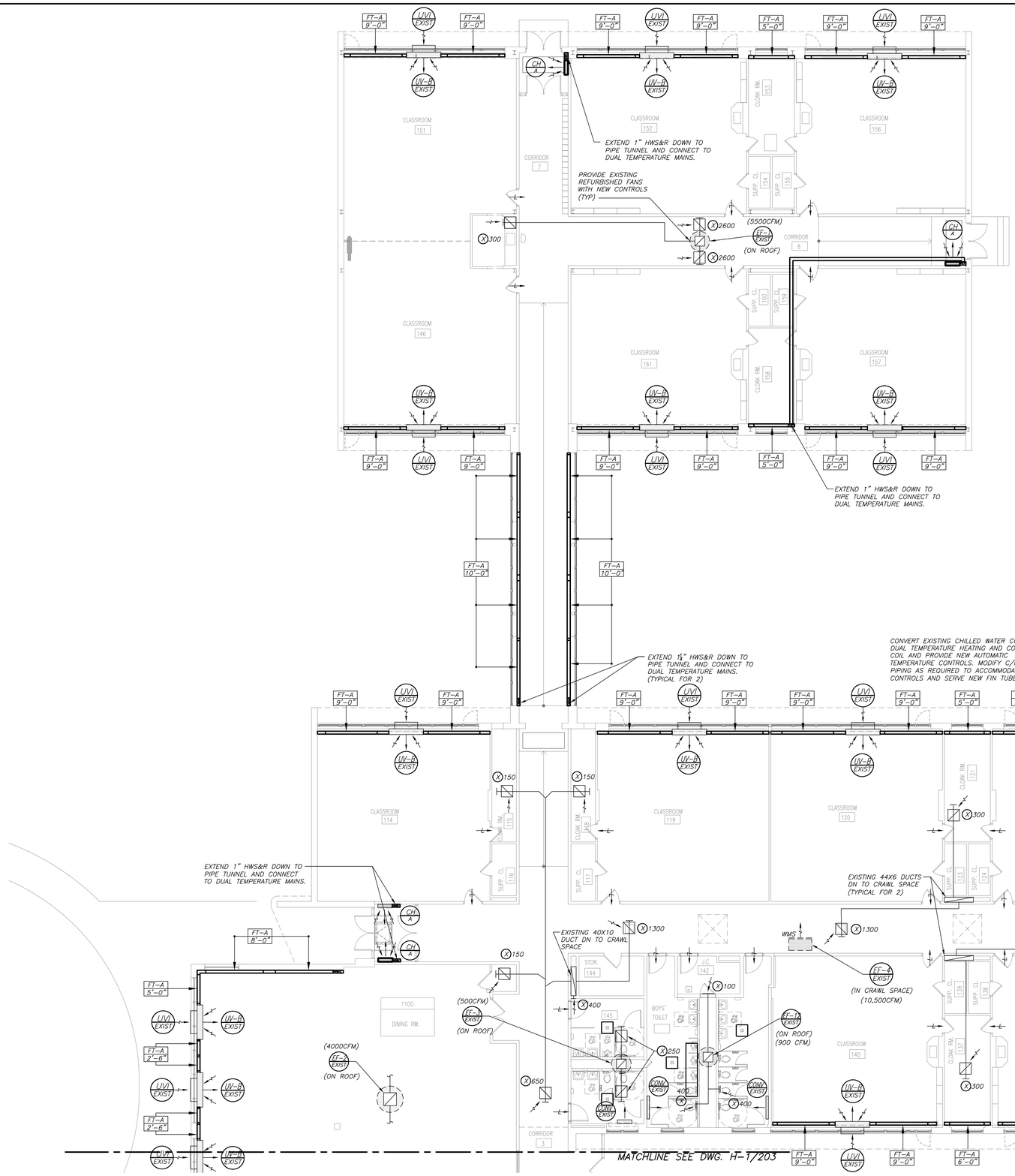
DRAWING TITLE
PART FIRST FLOOR PLAN

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11-06-2020	100% C.D. SUBMISSION
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SHEET SIZE 30"x42"	DRAWING NO. H203
SCALE AS NOTED	
DRAWN BY BGA	FILE NO. 19359.00

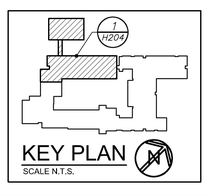
PLOT DATE: October 20, 2022 - 1:05pm

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PART FIRST FLOOR PLAN (NEW WORK)

1/8 inch=1 foot



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YPS JOB # 10878

PROJECT TITLE
YONKERS SCHOOL DISTRICT
PS 29 - BOILER REPLACEMENT, HVAC UPGRADES & ASBESTOS ABATEMENT PHASE 2 OF 3
47 CHOPDON ROAD, YONKERS N.Y. 10710

DRAWING TITLE
PART FIRST FLOOR PLAN

10-21-2022	BID
11-06-2020	100% C.D. SUBMISSION
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DATE	ISSUED TO

SHEET SIZE 30"x42"	DRAWING NO. H204
SCALE AS NOTED	
DRAWN BY BGA	FILE NO 19359.00

PLOT DATE: October 20, 2022 - 1:05pm

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SCHEDULE OF EXISTING UNIT VENTILATORS

MARK	MODEL No. (1)	CFM	MIN O.A. CFM (2)	COOLING DATA		HEATING DATA (2)			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							
(UV-A) (2ND)	MAUV1000	1000	550	–	–	76	5	2	THROWAWAY (2)12"x20"x2"	0.5 EA	208/1/60	4.7	–	44"Lx30"Wx115"H/600LBS	REFER TO (3)
(UV-B) (2ND)	MAUV1500	1500	1000	–	–	76	5	2	THROWAWAY (2)12"x20"x2"	0.5 EA	208/1/60	4.7	–.7	44"Lx30"Wx115"H/600LBS	(3)
(UV-A) (2ND)	MAUH1000	1000	550	–	–	58	6	3	THROWAWAY	0.25	115/1/60	4.0	5.0	88"Lx22"Wx30"H/600LBS	(3)
(UV-B) (2ND)	MAUH1500	1500	1000	–	–	84	9	3	THROWAWAY	0.5	115/1/60	4.7	5.9	100"Lx22"Wx30"H/750LBS	(3)

NOTES
(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.

SCHEDULE OF HOT WATER FIN TUBE RADIATION

MARK	MODEL No.	TIER #	CONNECTION SIZE	TYPE	FIN SIZE (IN.) (ALUMINUM)	FIN PER FOOT	ENCLOSURE DIMENSIONS DEPTH	ENCLOSURE DIMENSIONS HEIGHT	MOUNTING HEIGHT (IN.)	BTU/LIN. FT.	REMARKS
FT–A –	JVB–S20 (1)	1	1"	SLOPE TOPPED	4–1/4"W X 4–1/4"H	50	4–1/4"	20"	4"	1050	REFER TO (3)(4)(5)(7)
FT–B –	JVB–S20 (1)	1	1"	SLOPE TOPPED	4–1/4"W X 4–1/4"H	50	4–1/4"	20"	4"	1050	(3)(4)(6)(7)
FT–C –	RC–1T (2)	–	3/4"	– –	72"W X 32"H X 2"D	–	–	–	–	700	(2)(5)(6)

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.
(5) PROVIDE Z–TYPE CONNECTORS FOR WALL AND CEILING MOUNTING LOCATIONS
(6) AUTO CONTROL VALVE BY HVAC CONTRACTOR.
(7) INSTALL DISTRIBUTION PIPING WITHIN CONTINUOUS (WALL TO WALL) FIN TUBE ENCLOSURE. ALL PIPING SHALL BE CONCEALED. PROVIDE STERLING MODEL PCH AND PCV METAL PIPE ENCLOSURES WHERE PIPING IS NOT CONCEALED.

SCHEDULE OF REGISTERS AND DIFFUSERS

MARK	TYPE	SERVICE	MODEL No. (1)	DIRECTION DISCHARGE	DAMPER TYPE	FINISH	REMARKS
A	CEILING DIFFUSER	SUPPLY	DP/DM	4–WAY	OPPOSED BLADE	PER ARCH.	REFER TO (2)(4)(5)(6)(7)
B	CEILING GRILLE	RETURN	AC–30/L/45	–	–	PER ARCH.	REFER TO (2)(3)(5)(6)(8)
C	TOP WALL REGISTER	SUPPLY	ECO–20	–	OPPOSED BLADE	PER ARCH.	REFER TO (2)(4)(5)(6)(7)
D	TOP WALL REGISTER	RETURN	30/L/45	–	OPPOSED BLADE	PER ARCH.	REFER TO (2)(3)(5)(6)(8)

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 99	100 TO 299	300 TO 499	500 TO 799	800 TO 1199	1200 TO 1499	1500 TO 1999	50 TO 149	150 TO 249	250 TO 399	400 TO 599	600 TO 799	800 TO 1099	1100 TO 1199	1200 TO 2399
6x6	9x9	12x12	15x15	18x18	21X21	24X24	6x6	8X8	10X10	12X12	14X14	16X16	18X18	24X24

SCHEDULE OF UNIT HEATER

MARK	MODEL No. (1)	CAPACITY DATA BTU/HR	EWT °F	LWT °F	GPM	MOTOR WATTS	ELECTRIC SERVICE	PHYSICAL DATA LxWxH	WEIGHT (LBS)	REMARKS
UH A	HS–24	17,400	160	140	2.0	16	120/1/60	15X10X18	50	REFER TO (1)(2)(3)(4)
UH B	HS–36	26,000	160	140	3.0	25	120/1/60	15X10X18	50	
UH C	HS–144	104,000	160	140	10.4	1/3HP	120/1/60	24X14X28	100	

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.

SCHEDULE OF CABINET HEATERS

MARK	TYPE UNIT	MODEL N.º (1)	CAPACITY DATA (2) BTU/HR	CFM	GPM	PD.FT.	MOTOR WATTS	MOTOR RPM	ELECTRIC SERVICE	PHYSICAL DATA LxWxH (IN)	WEIGHT (LBS)	REMARKS
CH A	FLOOR MTD.	FS1005–02	22,700	225	3.0	0.73	70	1100	120/1/60	35x29x10	125	REFER TO (2)(3)(4)
CH B	FLOOR MTD.	RS1005–04	36,300	420	3.0	5.9	90	1100	120/1/60	47x29x10	125	(2)(3)(4)
CH C	RECESSED CLG. MTD.	RC1200–02	22,700	225	3.0	0.73	70	1100	120/1/60	36x25x10	125	(2)(3)(4)

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.

SCHEDULE OF CONVECTORS

MARK	MODEL No. (1)	MBH @150°F AWT	GPM	PHYSICAL DATA D	L	H	WEIGHT (LBS)	REMARKS
CONV A	SF–A	3.5	1.0	4"	36"	26"	50	REFER TO (1)(2)
CONV B	SF–A	11.0	2.0	6"	64"	32"	100	(1)(2)
CONV C	SF–A	8.0	2.0	6"	48"	32"	75	(1)(2)

NOTES
(1) AS MANUFACTURED BY "STERLING".
(2) INSTALL PER MANUFACTURER'S RECOMMENDATIONS
(3) CAPACITIES BASED ON 150° A.W.T.

SCHEDULE OF EXPANSION TANK

MARK	MODEL No. (1)	TANK VOLUME GALS.	ACCEPTANCE VOLUME GALS.	REMARKS
ET 1	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"Wx64"H / 1900LBS.

SCHEDULE OF BOILERS

MARK	LOCATION	MODEL N.º (1)	BURNER DATA INPUT (MBH)	BURNER DATA OUTPUT (MBH)	BURNER DATA FUEL	ELECTRICAL SERVICE	ELECTRICAL MCA	REMARKS
A B C	BOILER ROOM	ENDURA EDR–1000	1000	924	GAS	120/1/60	20	REFER TO (2)(3)(4)(5)(6)

NOTES
(1) AS MANUFACTURED BY "FULTON".
(2) BURNER INTEGRAL TO BOILER. HOT WATER BASED ON 140°F E.W.T., 160°F L.W.T.
(3) INSTALL PER MANUFACTURER'S RECOMMENDATIONS. BOILER INSTALLATION SHALL CONFORM TO ALL REQUIREMENTS OF INSURANCE UNDERWRITER, 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.
(4) SEE (3)
(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. VENT PIPING PER THIS MANUFACTURER AL–29–4C OR 316L, BACnet CONTROLS, DISCONNECT SWITCH, LEAD LAG CONTROLS, MOTORIZED ISOLATION VALVES, BOILER PUMP START/STOP SIGNAL, VENTLESS GAS TRAIN, MODSYNC CONTROL PANEL.
(6) BOILER WEIGHT 1900 LBS : DIMENSIONS 28"W X 50"L X 68"HT

SCHEDULE OF PUMPS

MARK	SERVICE	LOCATION	MODEL N.º (1)	GPM	HEAD FT.H_2O	RPM	MOTOR HP	ELECTRIC SERVICE	PHYSICAL DATA LxWxH (IN)	WEIGHT (LBS)	REMARKS
CWP 1	B1 (2ND)	MECHANICAL	SERIES 80 3X3X7C	200	40	1800	5.0	208/3/60	19X12X28	250	REFER TO (2)(3)
CWP 2	B2 (2ND)	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓
CWP 3	HEATING LOOP	MECHANICAL	SERIES E–1510 4GC	600	100	1800	25	208/3/60	52X24X26	900	
CWP 4	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 N.º (1)	TANK VOLUME GALS.	PUMP GPM @ 50PSIG	ELECTRICAL DATA SERVICE	ELECTRICAL DATA AMPS	PHYSICAL DATA (IN)	PHYSICAL DATA WEIGHT (LBS)	REMARKS
CFT 1	SF–100–D–P	55	1.0	120/1/60	0.7	24"Wx 50" H	125	REFER TO (2)(3)

NOTES
(1) AS MANUFACTURED BY "AXIOM INDUSTRIES".
(2) INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
(3) PROVIDE INTEGRAL DUPLEX PUMPS, INLET STRAINER, CHECK VALVE, THERMAL CUTOUT SWITCH, PRESSURE SWITCH, PRE–CHARGED ACCUMULATOR TANK WITH EPDM DIAPHRAGM, DIVERTER VALVE, ADJUSTABLE PRESSURE REGULATING VALVE, FLEXIBLE HOSE CONNECTOR KIT, FIELD MOUNTED LOW LEVEL ALTERNATING ALARM CONTROL PANEL, MONITORING DRY CONTACTS AND SF100 CONTAINMENT TANK.

SCHEDULE OF EXISTING AIR HANDLING UNITS

MARK	SERVICE	MODEL No. (1)	GENERAL DATA MIN O.A. CFM	GENERAL DATA MAX O.A. CFM	SUPPLY FAN DATA CFM	SUPPLY FAN DATA EXT S.P. IN. H. $_2O$	SUPPLY FAN DATA RPM	SUPPLY FAN DATA MOTOR HP	SUPPLY FAN DATA ELECTRIC SERVICE	HEATING DATA TOTAL BTU/HR	HEATING DATA GPM	FILTER DATA QTY. & SIZE	REMARKS
AH–1 (2ND)	GYM	39L08	1500	3,000	3,000	0.5	900	3	208/3/60	357,000	36	(2)16x20x2 (2)16x25x2	REFER TO (2)(3)(4)
AH–2 (2ND)	GYM	39L08	1500	3,000	3,000	0.5	900	3	208/3/60	357,000	36	(2)16x20x2 (2)16x25x2	REFER TO (2)(3)(4)

NOTES
(1) AS MANUFACTURED BY "CARRIER CORP.".
(2) INSTALL PER MANUFACTURERS RECOMMENDATIONS.
(3) HEATING CAPACITY BASED ON 160° EWT AND 140° LWT. DESIGN AIR CONDITIONS: SUMMER: OA (94°F/75°F) RA (77°F/65°F); OA (5°F/3°F) RA (70°F/55°F).
(4) CLEAN REFURBISH, AND REBALANCE EXISTING HORIZONTAL AIR HANDLING UNITS TO SPECIFIED PERFORMANCES. 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.

SCHEDULE OF FANS

MARK	SERVICE	LOCATION	TYPE	MODEL No.	CFM	EXT. S.P. IN H_2O	RPM	HP (WATTS)	ELECTRIC SERVICE	PHYSICAL DATA LxWxH	WEIGHT	REMARKS
SF 1	BOILER RM	CEILING	IN–LINE	BSQ160 (1)	3000	1.0	1725	1.5	208/3/60	29X29X29	200	(3)(4)
EF 1	BOILER RM	CEILING	IN–LINE	TRV18–EC (2)	1485	.5	1800	.75	208/1/60	28X27X32	80	(3)(5)
EF–A (2ND)	CLASSROOMS	ROOF	CENTRIF	–	5500	.25	1725	0.75	FIELD VERIFY			(6)
EF–B (2ND)	CAFETERIA	ROOF	CENTRIF	–	4000	.5	1800	.75	208/3/60			(6)
EF–C (2ND)	TOILET RMS	ROOF	CENTRIF	–	500	.25	1725	.125	120/1/60			(6)
EF–D (2ND)	CLASSROOMS	ROOF	CENTRIF	–	10500	.5	1725	2.0	FIELD VERIFY			(6)
EF–E (2ND)	KITCHEN	PENTHOUSE	UTILITY	–	2940	.5	1725	.75	208/3			(6)
EF–A (2ND)	CORRIDOR	CEILING	IN–LINE	–	900	.25	1725	.125	FIELD VERIFY			(6)
EF–F (2ND)	GYM	PENTHOUSE	UTILITY	–	6300	.5	1725	1.0	208/3			(6)
EF–G (2ND)	LOCKER RMS	CEILING	IN–LINE	–	1150	.25	1725	.25	FIELD VERIFY			(6)
EF–H (2ND)	TOILET RMS	CEILING	IN–LINE	–	800	.25	1725	.125	FIELD VERIFY			(6)
EF–I (2ND)	TOILET RMS	CEILING	IN–LINE	–	1600	.25	1725	.25	FIELD VERIFY			(6)
EF–J (2ND)	TOILET RMS	ROOF	CENTRIF	–	900	.25	1725	.25	120/1/60			(6)
EF–K (2ND)	TOILET RMS	ROOF	CENTRIF	–	900	.5	1725	.5	120/1/60			(6)

NOTES
(1) AS MANUFACTURED BY "GREENHECK"
(2) AS MANUFACTURED BY "US DRAFT CO."
(3) INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
(4) PROVIDE GRIP NOTCH BELT WITH TWO SPARES, AUTO BELT TENSIONER, VFD WITH VFD RATED MOTOR, MOTORIZED DAMPER, MOUNTING HARDWARE, SPRING ISOLATORS, COMPANION FLANGES, OUTLET GUARD, MOTOR COVER, NAME PLATE INDICATING TOTAL CFM, TOTAL STATIC PRESSURE.
(5) PROVIDE DIRECT DRIVE DRAFT INDUCER FAN WITH 316L STAINLESS STEEL HOUSING, CONDENSATE DRAIN, 378/705 UL RATINGS, REMOTE MOUNTED VENT CONTROL SYSTEM PANEL MODEL V–250 (120/1/60), ASSOCIATED PRESSURE SENSORS, DIFFERENTIAL PRESSURE SWITCH, TUBING, ALARMS AND DRAFT CONNECTOR MOTORIZED DAMPERS WITH ACTUATORS AND CONTROLLERS TO MAINTAIN REQUIRED PRESSURES.
(6) EXISTING CEILING/FLOOR/CRAWL SPACE/ROOF MOUNTED EXHAUST FANS SHALL BE COMPLETELY REFURBISHED AND RE–BALANCED TO INDICATED FAN PERFORMANCES. UNITS SHALL BE PROVIDED WITH ALL NEW FAN CONTROLS.

KEY PLAN
SCALE N.T.S.

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

YPS JOB # 10878

PROJECT TITLE
YONKERS SCHOOL DISTRICT
PS 29 – BOILER REPLACEMENT, HVAC UPGRADES & ASBESTOS ABATEMENT PHASE 2 OF 3
47 CROTON ROAD, YONKERS N.Y., 10710

DRAWING TITLE
SCHEDULES

DATE	ISSUED TO
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

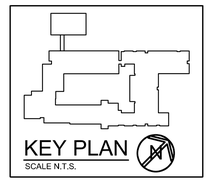
SHEET SIZE 30"x42" | DRAWING NO. H301
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SCHEDULE OF MINIMUM VENTILATION ROOM FLOW RATES cont'd

DINING 110G	CAFETERIA/FAST-FOOD DINING	3710	100	7.5	0.18	0	371	3450	0.8	4313	0
CLOSET	OCCUPIABLE STORAGE ROOMS FOR DRY MATERIALS	20	2	5	0.06	0	1	6	0.8	8	0
STORAGE 108	OCCUPIABLE STORAGE ROOMS FOR DRY MATERIALS	55	2	5	0.06	0	1	8	0.8	10	0
STORAGE 109	OCCUPIABLE STORAGE ROOMS FOR DRY MATERIALS	100	2	5	0.06	0	1	11	0.8	14	0
KITCHEN 107	KITCHEN (COOKING)	630	20	7.5	0.12	0.7	13	173	0.8	216	441
STORAGE 105	OCCUPIABLE STORAGE ROOMS FOR DRY MATERIALS	160	2	5	0.06	0	1	15	0.8	18	0
STORAGE 106	OCCUPIABLE STORAGE ROOMS FOR DRY MATERIALS	75	2	5	0.06	0	1	10	0.8	12	0
GYM	GYM, SPORTS ARENA (PLAY AREA)	2920	7	20	0.18	0.5	21	946	0.8	1182	1460
STAGE	MUSIC/THEATRE/DANCE	780	35	10	0.06	0	28	327	0.8	409	0
PASSAGE 2	CORRIDORS	830	0	0	0.06	0	0	50	0.8	62	0
TOILET	TOILETS - PUBLIC	60	2 FIXTURES	-	-	50 CFM/ FIXTURE	-	-	-	-	100
BOY'S LOCKER	ALL OTHER LOCKER ROOMS	145	0	0	0	0.25	0	0	0.8	0	36
GIRL'S LOCKER	ALL OTHER LOCKER ROOMS	225	0	0	0	0.25	0	0	0.8	0	56
CORRIDOR	CORRIDORS	2320	0	0	0.06	0	0	139	0.8	174	0
CLASSROOM	CLASSROOM (AGES 9+)	1095	35	10	0.12	0	39	521	0.8	652	0
CLOSET	OCCUPIABLE STORAGE ROOMS FOR DRY MATERIALS	40	2	5	0.06	0	1	7	0.8	9	0
TOILET	TOILETS - PUBLIC	27	2 FIXTURES	-	-	50 CFM/ FIXTURE	-	-	-	-	100
CLASSROOM	CLASSROOM (AGES 9+)	915	35	10	0.12	0	33	440	0.8	550	0
CLOSET	OCCUPIABLE STORAGE ROOMS FOR DRY MATERIALS	36	2	5	0.06	0	1	7	0.8	9	0
TOILET	TOILETS - PUBLIC	46	2 FIXTURES	-	-	50 CFM/ FIXTURE	-	-	-	-	100
CLOAK ROOM	OCCUPIABLE STORAGE ROOMS FOR DRY MATERIALS	240	2	5	0.06	0	1	19	0.8	24	0
CLASSROOM	CLASSROOM (AGES 9+)	915	35	10	0.12	0	33	440	0.8	550	0
CLOSET	OCCUPIABLE STORAGE ROOMS FOR DRY MATERIALS	36	2	5	0.06	0	1	7	0.8	9	0
TOILET	TOILETS - PUBLIC	46	2 FIXTURES	-	-	50 CFM/ FIXTURE	-	-	-	-	100
CLASSROOM	CLASSROOM (AGES 9+)	915	35	10	0.12	0	33	440	0.8	550	0
CLOSET	OCCUPIABLE STORAGE ROOMS FOR DRY MATERIALS	36	2	5	0.06	0	1	7	0.8	9	0
TOILET	TOILETS - PUBLIC	46	2 FIXTURES	-	-	50 CFM/ FIXTURE	-	-	-	-	100
CLASSROOM	CLASSROOM (AGES 9+)	915	35	10	0.12	0	33	440	0.8	550	0
CLOSET	OCCUPIABLE STORAGE ROOMS FOR DRY MATERIALS	36	2	5	0.06	0	1	7	0.8	9	0
TOILET	TOILETS - PUBLIC	46	2 FIXTURES	-	-	50 CFM/ FIXTURE	-	-	-	-	100
CLOAK ROOM	OCCUPIABLE STORAGE ROOMS FOR DRY MATERIALS	240	2	5	0.06	0	1	19	0.8	24	0
CLASSROOM	CLASSROOM (AGES 9+)	1345	35	10	0.12	0	48	641	0.8	802	0
STORAGE	OCCUPIABLE STORAGE ROOMS FOR DRY MATERIALS	50	2	5	0.06	0	1	8	0.8	10	0
TOILET	TOILETS - PUBLIC	80	2 FIXTURES	-	-	50 CFM/ FIXTURE	-	-	-	-	100
CLASSROOM	CLASSROOM (AGES 9+)	1436	35	10	0.12	0	51	682	0.8	853	0
TOILET	TOILETS - PUBLIC	80	2 FIXTURES	-	-	50 CFM/ FIXTURE	-	-	-	-	100
CLOSET	OCCUPIABLE STORAGE ROOMS FOR DRY MATERIALS	30	2	5	0.06	0	1	7	0.8	9	0
CLOSET	OCCUPIABLE STORAGE ROOMS FOR DRY MATERIALS	16	2	5	0.06	0	1	6	0.8	7	0
OFFICE	OFFICE SPACE	215	5	5	0.06	0	2	23	0.8	29	0
OFFICE	OFFICE SPACE	145	5	5	0.06	0	1	14	0.8	17	0
TOILET	TOILETS - PUBLIC	25	2 FIXTURES	-	-	50 CFM/ FIXTURE	-	-	-	-	100
CONFERENCE ROOM	CONFERENCE/MEETING	52	50	5	0.06	0	3	18	0.8	23	0
STORAGE	OCCUPIABLE STORAGE ROOMS FOR DRY MATERIALS	132	2	5	0.06	0	1	13	0.8	16	0
TEACHER'S ROOM	BREAK ROOMS	195	50	5	0.12	0	10	73	0.8	92	0
REST ROOM	BREAK ROOMS	52	50	5	0.12	0	3	21	0.8	27	0
TOILET	TOILETS - PUBLIC	26	2 FIXTURES	-	-	50 CFM/ FIXTURE	-	-	-	-	100
TOILET	TOILETS - PUBLIC	22	2 FIXTURES	-	-	50 CFM/ FIXTURE	-	-	-	-	100
NURSE'S OFFICE	OFFICE SPACE	145	5	5	0.06	0	1	14	0.8	17	0
WAITING ROOM	BREAK ROOMS	56	50	5	0.12	0	3	22	0.8	27	0
TOILET	TOILETS - PUBLIC	25	2 FIXTURES	-	-	50 CFM/ FIXTURE	-	-	-	-	100
REST ROOM	BREAK ROOMS	110	50	5	0.12	0	6	43	0.8	54	0

SCHEDULE OF MINIMUM VENTILATION ROOM FLOW RATES

		A	B	C	D	E	F	G	H	I	
ROOM NAME/NUMBER	OCCUPANCY CATEGORY	ROOM AREA (SQ.FT.)	PEOPLE DENSITY (#P/1000 SQ.FT.)	PEOPLE OUTDOOR AIR FLOW RATE (CFM/PERSON)	AREA OUTDOOR AIR FLOW RATE IN BREATHING ZONE (CFM/SQ.FT.)	EXHAUST AIR FLOW RATE (CFM/SQ.FT.)	NUMBER OF PEOPLE (A×B)÷1000=#P	OUTDOOR AIR FLOW RATE WITHOUT ZONE EFFECTIVENESS FACTOR (F×C)+(A×D)=CFM	ZONE AIR DISTRIBUTION EFFECTIVENESS FACTOR	MINIMUM ROOM VENTILATION AIR FLOW RATE G÷H=CFM	MINIMUM EXHAUST AIR FLOW RATE A×E=CFM
CLASSROOM 151	CLASSROOM (AGES 9+)	930	35	10	0.12	0	33	442	0.8	552	0
CLASSROOM 152	CLASSROOM (AGES 9+)	830	35	10	0.12	0	30	400	0.8	500	0
CLASSROOM 156	CLASSROOM (AGES 9+)	830	35	10	0.12	0	30	400	0.8	500	0
CLASSROOM 146	CLASSROOM (AGES 9+)	930	35	10	0.12	0	33	442	0.8	552	0
CLASSROOM 161	CLASSROOM (AGES 9+)	830	35	10	0.12	0	30	400	0.8	500	0
CLASSROOM 157	CLASSROOM (AGES 9+)	830	35	10	0.12	0	30	400	0.8	500	0
CORRIDOR 7	CORRIDORS	990	0	0	0.06	0	0	59	0.8	74	0
SUPPLY CLOSET 154	OCCUPIABLE STORAGE ROOMS FOR DRY MATERIALS	35	2	5	0.06	0	1	7	0.8	9	0
SUPPLY CLOSET 155	OCCUPIABLE STORAGE ROOMS FOR DRY MATERIALS	35	2	5	0.06	0	1	7	0.8	9	0
CLOAK ROOM 153	OCCUPIABLE STORAGE ROOMS FOR DRY MATERIALS	135	2	5	0.06	0	1	13	0.8	16	0
SUPPLY CLOSET 159	OCCUPIABLE STORAGE ROOMS FOR DRY MATERIALS	35	2	5	0.06	0	1	7	0.8	9	0
SUPPLY CLOSET 160	OCCUPIABLE STORAGE ROOMS FOR DRY MATERIALS	35	2	5	0.06	0	1	7	0.8	9	0
CLOAK ROOM 158	OCCUPIABLE STORAGE ROOMS FOR DRY MATERIALS	135	2	5	0.06	0	1	13	0.8	16	0
CORRIDOR 8	CORRIDORS	590	0	0	0.06	0	0	35	0.8	44	0
CLASSROOM 114	CLASSROOM (AGES 9+)	890	35	10	0.12	0	32	427	0.8	534	0
CLASSROOM 119	CLASSROOM (AGES 9+)	890	35	10	0.12	0	32	427	0.8	534	0
CLASSROOM 120	CLASSROOM (AGES 9+)	890	35	10	0.12	0	32	427	0.8	534	0
CLASSROOM 125	CLASSROOM (AGES 9+)	890	35	10	0.12	0	32	427	0.8	534	0
CLASSROOM 126	CLASSROOM (AGES 9+)	890	35	10	0.12	0	32	427	0.8	534	0
CLASSROOM 130	CLASSROOM (AGES 9+)	890	35	10	0.12	0	32	427	0.8	534	0
CLASSROOM 140	CLASSROOM (AGES 9+)	890	35	10	0.12	0	32	427	0.8	534	0
CLASSROOM 136	CLASSROOM (AGES 9+)	890	35	10	0.12	0	32	427	0.8	534	0
CLASSROOM 135	CLASSROOM (AGES 9+)	890	35	10	0.12	0	32	427	0.8	534	0
CLASSROOM 131	CLASSROOM (AGES 9+)	890	35	10	0.12	0	32	427	0.8	534	0
CLOAK RM 115	OCCUPIABLE STORAGE ROOMS FOR DRY MATERIALS	85	2	5	0.06	0	1	10	0.8	13	0
SUPPLY CLOSET 116	OCCUPIABLE STORAGE ROOMS FOR DRY MATERIALS	40	2	5	0.06	0	1	7	0.8	9	0
SUPPLY CLOSET 117	OCCUPIABLE STORAGE ROOMS FOR DRY MATERIALS	40	2	5	0.06	0	1	7	0.8	9	0
CLOAK RM 118	OCCUPIABLE STORAGE ROOMS FOR DRY MATERIALS	85	2	5	0.06	0	1	10	0.8	13	0
CLOAK RM 121	OCCUPIABLE STORAGE ROOMS FOR DRY MATERIALS	155	2	5	0.06	0	1	14	0.8	18	0
SUPPLY CLOSET 123	OCCUPIABLE STORAGE ROOMS FOR DRY MATERIALS	40	2	5	0.06	0	1	7	0.8	9	0
SUPPLY CLOSET 124	OCCUPIABLE STORAGE ROOMS FOR DRY MATERIALS	40	2	5	0.06	0	1	7	0.8	9	0
CLOAK RM 127	OCCUPIABLE STORAGE ROOMS FOR DRY MATERIALS	155	2	5	0.06	0	1	14	0.8	18	0
SUPPLY CLOSET 128	OCCUPIABLE STORAGE ROOMS FOR DRY MATERIALS	40	2	5	0.06	0	1	7	0.8	9	0
SUPPLY CLOSET 129	OCCUPIABLE STORAGE ROOMS FOR DRY MATERIALS	40	2	5	0.06	0	1	7	0.8	9	0
SUPPLY CLOSET 139	OCCUPIABLE STORAGE ROOMS FOR DRY MATERIALS	40	2	5	0.06	0	1	7	0.8	9	0
SUPPLY CLOSET 138	OCCUPIABLE STORAGE ROOMS FOR DRY MATERIALS	40	2	5	0.06	0	1	7	0.8	9	0
CLOAK RM 137	OCCUPIABLE STORAGE ROOMS FOR DRY MATERIALS	155	2	5	0.06	0	1	14	0.8	18	0
SUPPLY CLOSET 134	OCCUPIABLE STORAGE ROOMS FOR DRY MATERIALS	40	2	5	0.06	0	1	7	0.8	9	0
SUPPLY CLOSET 133	OCCUPIABLE STORAGE ROOMS FOR DRY MATERIALS	40	2	5	0.06	0	1	7	0.8	9	0
CLOAK RM 132	OCCUPIABLE STORAGE ROOMS FOR DRY MATERIALS	155	2	5	0.06	0	1	14	0.8	18	0
STORAGE 144	OCCUPIABLE STORAGE ROOMS FOR DRY MATERIALS	80	2	5	0.06	0	1	10	0.8	12	0
145	TOILETS - PUBLIC	130	3 FIXTURES	-	-	50 CFM/ FIXTURE	-	-	-	-	150
145	TOILETS - PUBLIC	130	3 FIXTURES	-	-	50 CFM/ FIXTURE	-	-	-	-	150
JANITOR CLOSET 142	JANITOR CLOSETS, TRASH ROOMS, RECYCLING	70	0	0	0	1	0	0	0.8	0	70
BOYS' TOILET 143	TOILETS - PUBLIC	230	5 FIXTURES	-	-	50 CFM/ FIXTURE	-	-	-	-	250
GIRLS' TOILET 141	TOILETS - PUBLIC	230	5 FIXTURES	-	-	50 CFM/ FIXTURE	-	-	-	-	250
CORRIDOR 3	CORRIDORS	850	0	0	0.06	0	0	51	0.8	64	0
CORRIDOR 4	CORRIDORS	1675	0	0	0.06	0	0	101	0.8	126	0



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S.E.D. CONTROL NUMBER:

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

YPS JOB # 10878

PROJECT TITLE
YONKERS CITY SCHOOL DISTRICT
PS 29 BOILER REPLACEMENT, HVAC UPGRADES & ASBESTOS ABATEMENT PHASE 2 OF 3
47 CROYDON ROAD, YONKERS N.Y. 10710

DRAWING TITLE
SCHEDULES

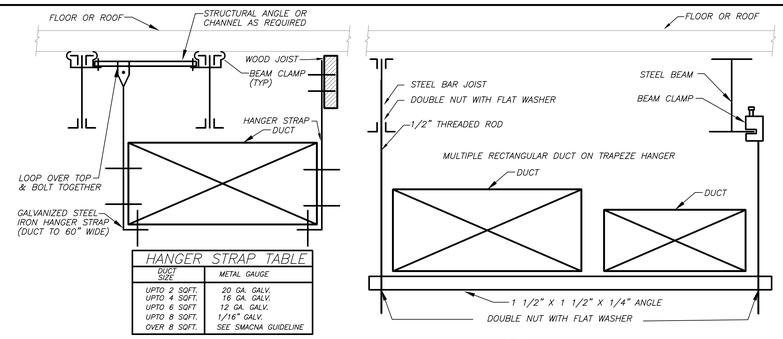
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10-21-2022	BID
11-06-2020	100% C.D. SUBMISSION
06-01-2020	100% D.D. SUBMISSION
05-01-2020	50% D.D. SUBMISSION

SHEET SIZE 30"x42"
DRAWING NO. H302
SCALE AS NOTED
DRAWN BY BGA
FILE NO. 19359.00

PLOT DATE: October 20, 2022 - 1:05pm

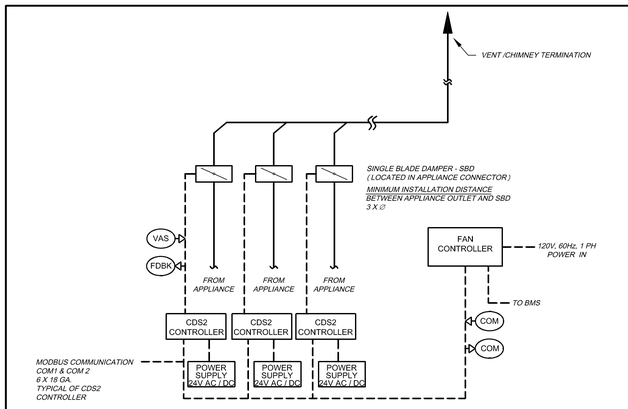
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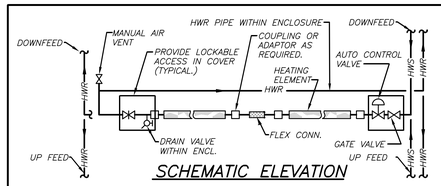
HANGER STRAP TABLE	
DUCT SIZE	METAL GAUGE
UPTO 2 SQFT.	20 GA. GALV.
UPTO 4 SQFT.	16 GA. GALV.
UPTO 6 SQFT	12 GA. GALV.
UPTO 8 SQFT.	1/16" GALV.
OVER 8 SQFT.	SEE SMACNA GUIDELINE

DUCT SUPPORT DETAIL 5 / H401 NO SCALE

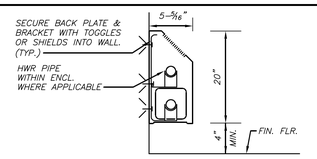


LEGEND	
Controller Output / Controller Input	
Field Wiring — Refer to specifications for voltage, amperage, and wiring type	
Pneumatic Tubing for pressure reference	
Vent or Duct	
AD	Appliance Demand
DP	Differential Pressure Switch
EN	Appliance Enable
FDBK	Actuator Position Feedback Signal 0-10VDC
LMT	Limit Input
P	Stack Pressure Probe
PT	Pressure Transducer -1 to 1 in. WC
VAS	Variable Analog Signal 0-10VDC

DRAFT DAMPER CONTROL SCHEMATIC 6 / H401 NO SCALE



SCHEMATIC ELEVATION



SECTION–TYPE A

FT–A DATA

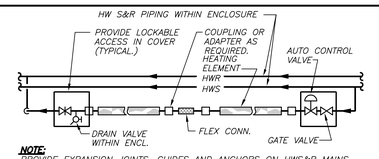
FT–A *

AS MANUFACTURED BY 'STERLING' SLOPING TOP–STYLE JVB–S, 1" COPPER PIPE 4-1/4" X 4-1/4" SQ. ALUM. FINS, 1050 BTU/HR/L.F. @ 150°F. A.W.T., 50 FINS/FT.

REFER TO FLOOR PLANS FOR LENGTH

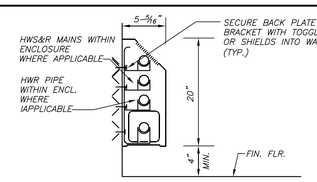
IDENTIFICATION–TYPE A

FIN TUBE RADIATION DETAIL 1 / H401 NO SCALE
(HOT WATER)



NOTE: PROVIDE EXPANSION JOINTS, GUIDES AND ANCHORS ON HWS&R MAINS WITHIN ENCLOSURES. LOCATE SO AS TO BE ACCESSIBLE. COORD. C.C. FOR ACCESS PANELS.

SCHEMATIC ELEVATION



SECTION–TYPE B

FT–B DATA

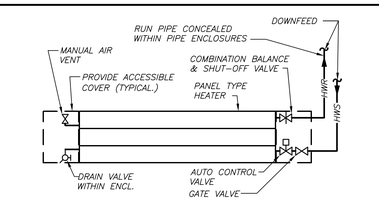
FT–B *

AS MANUFACTURED BY 'STERLING' SLOPING TOP–STYLE JVB–S, 1" COPPER PIPE 4-1/4" X 4-1/4" SQ. ALUM. FINS, 1050 BTU/HR/L.F. @ 150°F. A.W.T., 50 FINS/FT.

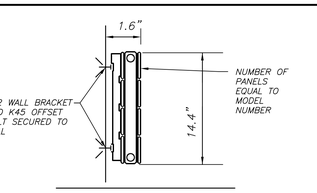
REFER TO FLOOR PLANS FOR LENGTH

IDENTIFICATION–TYPE B

FIN TUBE RADIATION DETAIL 2 / H401 NO SCALE
(HOT WATER)



SCHEMATIC ELEVATION



SECTION–TYPE C

FT–C DATA

FT–C *

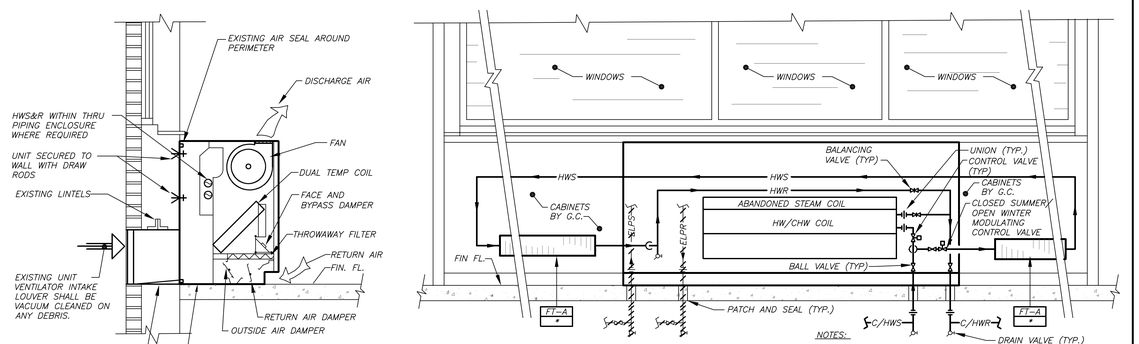
REFER TO FLOOR PLANS FOR TYPE

AS MANUFACTURED BY 'RUNTAL' RF–5 PANEL RADIATOR 3" COPPER PIPE 1210 BTU/HR/L.F. @ 170 DEG. F. A.W.T.

REFER TO FLOOR PLANS FOR LENGTH

IDENTIFICATION–TYPE C

PANEL RADIATION DETAIL 3 / H401 NO SCALE
(HOT WATER)



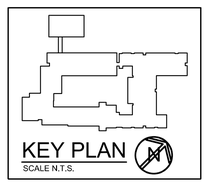
SECTION

ELEVATION

NOTES:

1. ABANDON EXISTING STEAM HEATING COIL, REMOVE STEAM SUPPLY AND CONDENSATE RETURN PIPING, AND ASSOCIATED CONTROL VALVES, TEMPERATURE SENSORS RELAYS AND FREEZE STAT. PROVIDE NEW AUTOMATIC TEMPERATURE CONTROL AND ASSOCIATES VALVES/EQUIPMENT.
2. REFURBISH EXISTING UNITS AND CONVER EXISTING CHILLED WATER COIL TO DUAL TEMPERATURE OPERATION. CONDENSATE DRAIN PIPING SHALL BE SHALL BE FLUSHED AND TESTED TO BE DRAINING PROPERLY. REROUTE PIPING AS REQUIRED IN UV TO ACCOMMODATE NEW CONTROL VALVES AND PIPING TO SERVE FIN TUBE DURING THE HEATING SEASON OPERATIONS AND ISOLATE FIN TUBE DURING COOLING SEASON OPERATIONS.

EXISTING HEATING AND COOLING UNIT VENTILATOR UV / EXIST DETAIL 4 / H401 NO SCALE



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S.E.D. CONTROL NUMBER:

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

YPS JOB # 10878

PROJECT TITLE
YONKERS SCHOOL DISTRICT
PS 29– BOILER REPLACEMENT, HVAC UPGRADES & ASBESTOS ABATEMENT PHASE 2 OF 3
47 CHOTPOON ROAD, YONKERS N.Y. - 10710

DRAWING TITLE
DETAILS

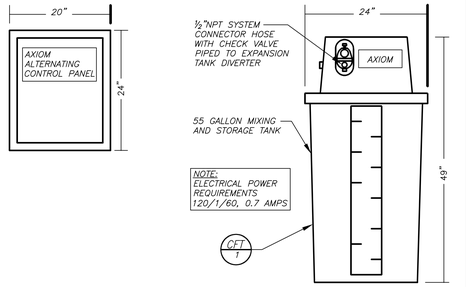
DATE	ISSUED TO
10-21-2022	BID
11-06-2020	100% C.D. SUBMISSION
06-01-2020	100% D.D. SUBMISSION
05-01-2020	50% D.D. SUBMISSION

SHEET SIZE 30"x42" | DRAWING NO. H401
SCALE AS NOTED
DRAWN BY BGA | FILE NO. 19359.00

PLOT DATE: October 20, 2022 – 1:05pm

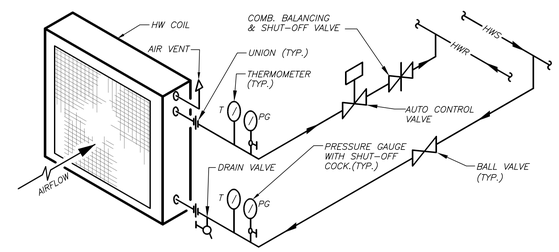
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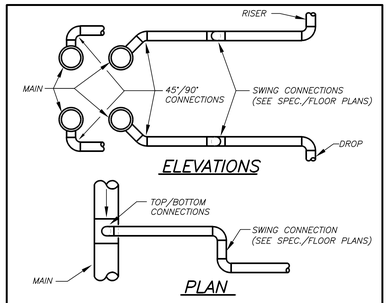
AUTOMATIC CHEMICAL FEEDER DETAIL

12 / H402 — NO SCALE



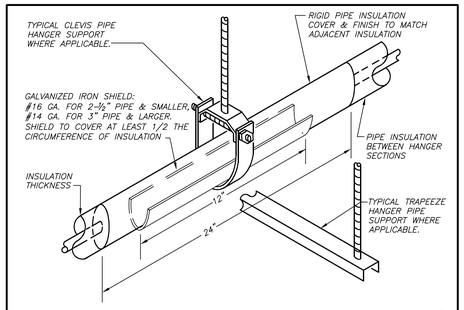
COIL PIPING CONNECTION DETAIL

11 / H402 — NO SCALE



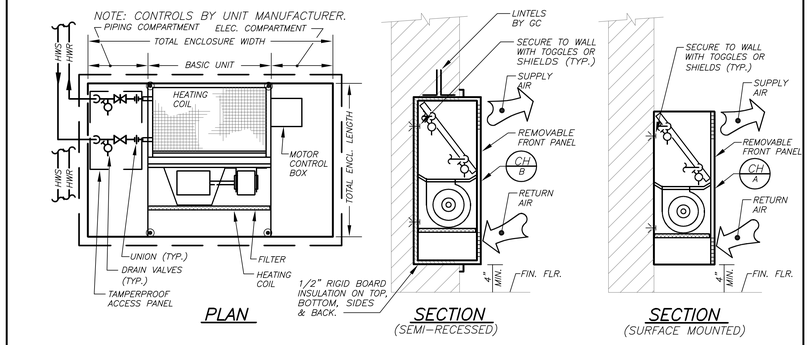
DETAIL OF PIPING BRANCH CONNECTION

4 / H402 — NO SCALE



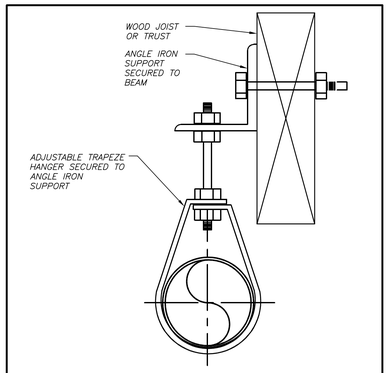
INSULATED PIPE HANGER DETAIL

NO SCALE — 2 / H402



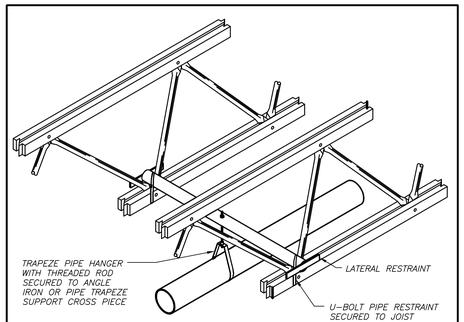
CABINET HEATER DETAIL

7 / H402 — NO SCALE



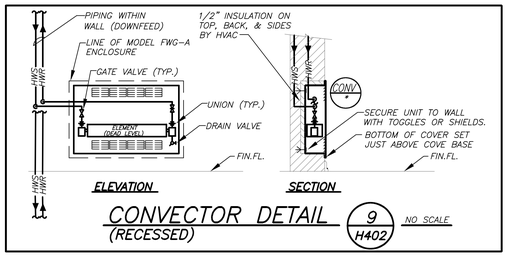
PIPE HANGER SUPPORT DETAIL

5 / H402 — NO SCALE



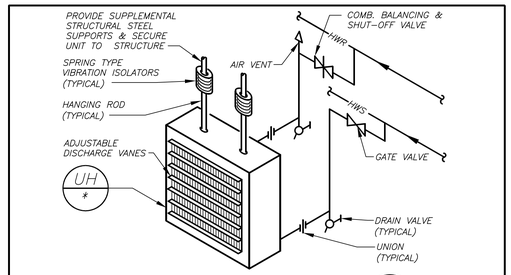
PIPE HANGER SUPPORT DETAIL

NO SCALE — 3 / H402



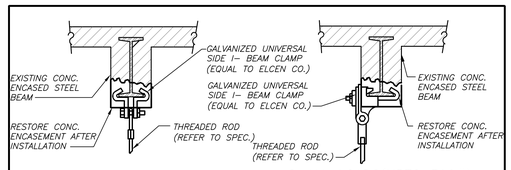
CONVECTOR DETAIL (RECESSED)

9 / H402 — NO SCALE



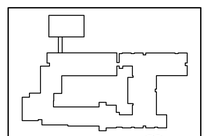
PIPING CONNECTION TO UNIT HEATER DETAIL

8 / H402 — NO SCALE



PIPE HANGER SUPPORT DETAIL

10 / H402 — NO SCALE



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S.E.D. CONTROL NUMBER:

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

YPS JOB # 10878

PROJECT TITLE
YONKERS SCHOOL DISTRICT
PS 29– BOILER REPLACEMENT, HVAC UPGRADES & ASBESTOS ABATEMENT PHASE 2 OF 3
47 CROTON ROAD, YONKERS N.Y. 10710

DRAWING TITLE
DETAILS

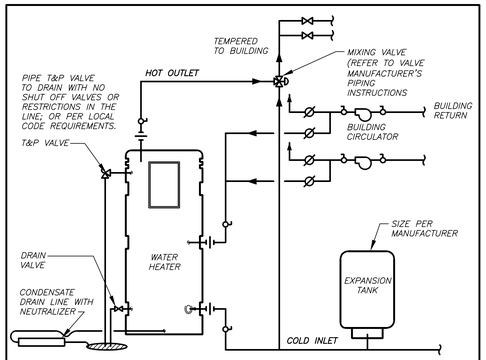
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11-06-2020	100% C.D. SUBMISSION
06-01-2020	100% D.D. SUBMISSION
05-01-2020	50% D.D. SUBMISSION

SHEET SIZE 30"x42" | DRAWING NO. H402
SCALE AS NOTED
DRAWN BY BGA | FILE NO. 19359.00

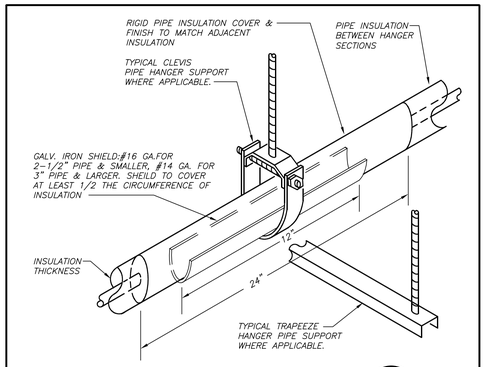
PLOT DATE: October 20, 2022 – 1:05pm

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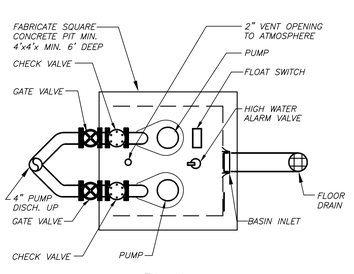
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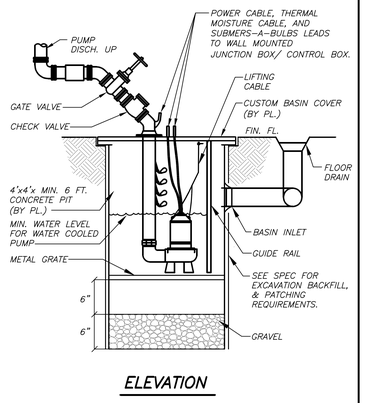
CONDENSING HOT WATER HEATER (5 / P102)



INSULATED PIPE HANGER DETAIL (6 / P102) NO SCALE

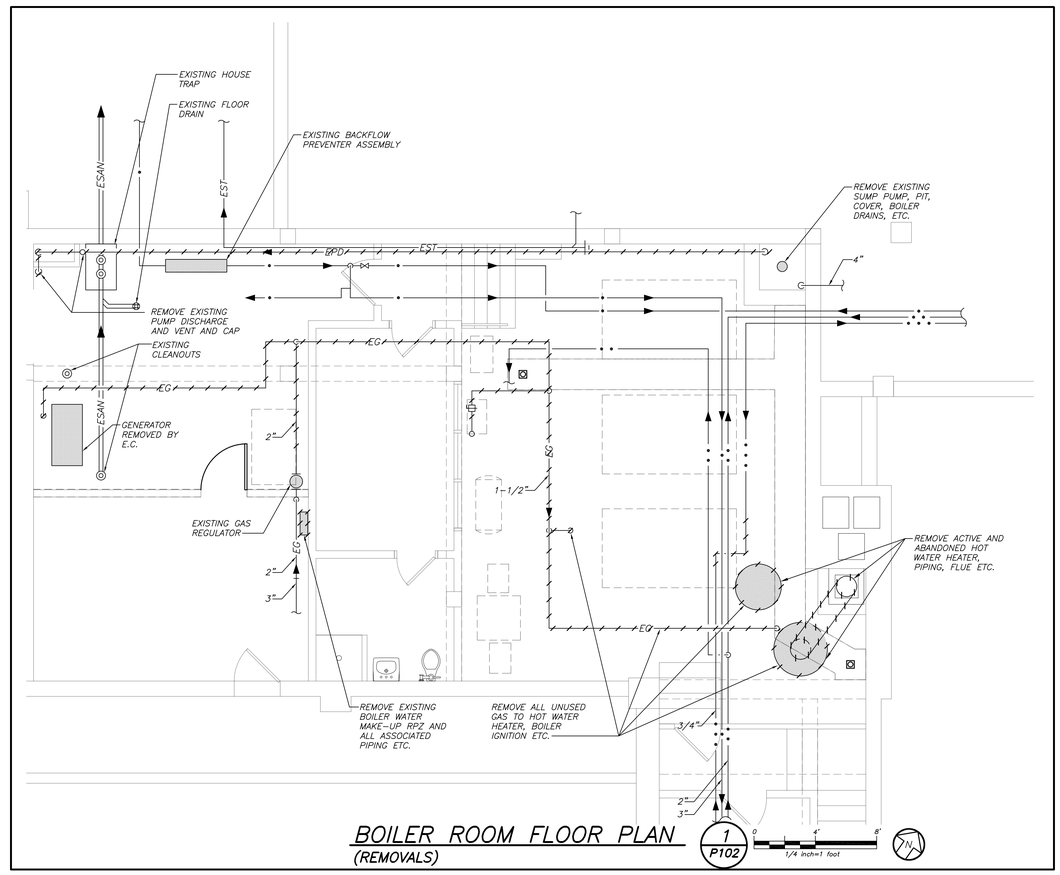


PLAN

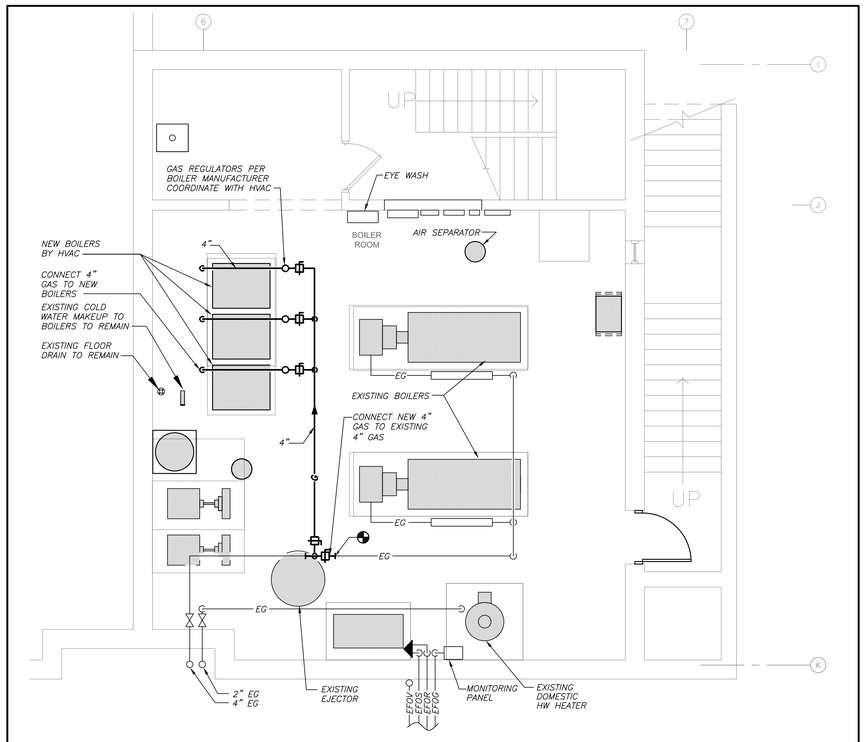


ELEVATION

SCHEMATIC SUMP PUMP DETAIL (4 / P102) NO SCALE

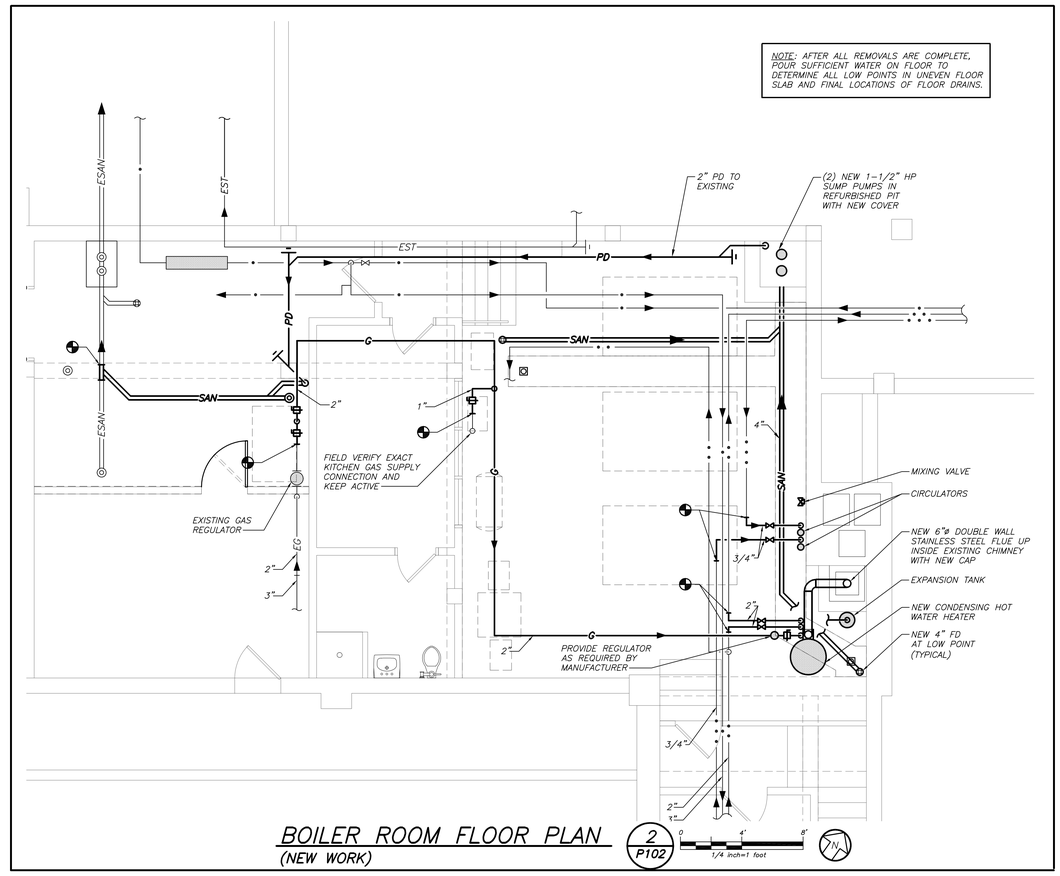


BOILER ROOM FLOOR PLAN (REMOVALS) (1 / P102)



PART BASEMENT FLOOR PLAN (NEW WORK) (BOILER ROOM 2) (3 / P102)

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



BOILER ROOM FLOOR PLAN (NEW WORK) (2 / P102)

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

LEGEND

	EXISTING PIPING, FIXTURES, ETC. TO REMAIN
	EXISTING PIPING, FIXTURES, ETC. TO BE REMOVED
	NEW PIPING, FIXTURES, ETC.
	COLD WATER PIPING
	HOT WATER PIPING
	HOT WATER RETURN PIPING
	PLUMBING VENT PIPING
SAN	SANITARY PIPING
SAN	SANITARY PIPING (UNDERGROUND)
ST	STORM PIPING
ST	STORM PIPING (UNDERGROUND)
EG	EXISTING GAS PIPING
G	NEW GAS PIPING
	FLOW DIRECTION WITHIN PIPE
	CLEANOUT
	CLEANOUT DECK PLATE
	GATE VALVE
	COMBINATION BALANCING & SHUT-OFF VALVE
	OS & Y VALVE
	CHECK VALVE
	GAS SHUT OFF COCK
	PIPE CONNS. (BOTTOM; TOP 45 OR 90; PIPE UP)
	PLUMBING FIXTURE IDENTIFICATION
	POINT OF DISCONNECTION
	POINT OF CONNECTION, NEW TO EXISTING
P.C.	PLUMBING CONTRACTOR
G.C.	GENERAL CONTRACTOR
HVAC	HVAC CONTRACTOR
VTR	VENT THRU ROOF
FAI	FRESH AIR INTAKE
FD	FLOOR DRAIN
PRV	PRESSURE REDUCING VALVE
	PART PLAN, DETAIL, SECTION NUMBER DRAWING NUMBER SECTION IDENTIFICATION

REMOVAL NOTES

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

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

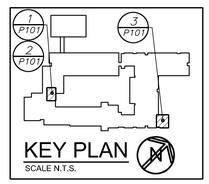
YPS JOB # 10878

YONKERS PUBLIC SCHOOLS, DISTRICT
YONKERS SCHOOL DISTRICT
PS 29 - BOILER REPLACEMENT HVAC UPGRADES & ASBESTOS ABATEMENT PHASE 2 OF 3
47 CROTON ROAD, YONKERS, N.Y. - 10710

DRAWING TITLE
LEGEND, NOTES, AND BOILER ROOM FLOOR PLANS

DATE	ISSUED TO
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" | DRAWING NO. P101
SCALE AS NOTED | FILE NO. 19359.00
DRAWN BY BGA



PLOT DATE: October 20, 2022 - 1:05pm

FILE: Y:\YONKERS PUBLIC SCHOOLS\YPS - School 29 - Ph 2 - Boilers, HVAC, Windows & Asbestos Abatement (2242.00)\Drawings\Plumbing\224200P101.dwg

GENERAL NOTES

1. DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL ARRANGEMENT OF SYSTEMS AND WORK. CONTRACTOR SHALL FURNISH ALL NECESSARY OUTLETS, SUPPORTS, FITTINGS AND ACCESSORIES TO FULFILL APPLICABLE CODES, REGULATIONS, BUILDING STANDARDS AND THE BEST PRACTICES OF THE TRADE FOR FIRST CLASS ELECTRICAL INSTALLATION.
2. THE DRAWINGS INDICATE SIZE AND GENERAL LOCATION OF WORK. SCALED DIMENSIONS SHALL NOT BE USED. THE EXACT LOCATION AND ELEVATION OF ALL ELECTRICAL EQUIPMENT SHALL BE COORDINATED IN FIELD WITH RESPECTIVE CONTRACTOR/OWNER.
3. WHERE PANELBOARDS, SWITCHES, CIRCUIT BREAKERS, ETC. ARE EXISTING AND TO BE REUSED THE CONTRACTOR SHALL CLEAN AND REFURBISH THE EQUIPMENT. THIS SHALL INCLUDE TIGHTENING ALL CONNECTIONS, REPLACING DEFECTIVE MECHANISMS AND PROVIDING ALL REQUIRED AND NECESSARY MISCELLANEOUS COMPONENTS SO THAT THE EQUIPMENT SHALL BE IN PERFECT WORKING ORDER.
4. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER PRIOR TO SUBMISSION OF BID TO DETERMINE WHAT WORK MUST BE PERFORMED AFTER NORMAL BUSINESS HOURS. UNLESS OTHERWISE DIRECTED ANY NOISY WORK (CHOPPING, CORE DRILLING, HAMMERING, ETC.) AND BUILDING POWER INTERRUPTIONS SHALL BE PERFORMED OUTSIDE OF NORMAL BUSINESS HOURS. CONFIRM NORMAL BUSINESS HOURS WITH BUILDING OWNER. NO ADDITIONAL COST WILL BE CHARGED TO OWNER FOR WORK PERFORMED OUTSIDE NORMAL BUSINESS HOURS.
5. ALL WORK WHERE SHOWN WITH DARK/SOLID LINES ON THE DRAWINGS IS NEW UNLESS OTHERWISE NOTED. WHERE SHOWN WITH DASHED LINES WITH LETTER (E) IS EXISTING TO REMAIN, WITH LETTER (R) IS EXISTING TO BE REMOVED, WITH LETTER (ER) IS EXISTING RELOCATED, WITH LETTER (RN) IS EXISTING TO BE REPLACED WITH NEW AND WITH LETTER (RR) IS EXISTING TO BE REMOVED AND RELOCATED.
6. CIRCUIT NUMBERS TO EXISTING PANELS ARE SHOWN FOR INTENT ONLY. ACTUAL CIRCUIT NUMBERS TO BE USED SHALL BE AS PER FIELD CONDITIONS BY UTILIZING SPARE CIRCUITS, BREAKERS OR SPACES IN EXISTING PANEL, SIZE AS INDICATED ON THE PLANS. THE ELECTRICAL CONTRACTOR SHALL BALANCE LOAD OF CIRCUITS EVENLY ON ALL PHASES.
7. FEEDERS AND BRANCH CIRCUITRY SHALL BE RUN IN MINIMUM $^{3}/_{4}$" CONDUIT UNLESS OTHERWISE NOTED. FINAL CONNECTIONS TO MOTORS MAY BE MADE WITH FLEXIBLE METALLIC CONDUIT (NO LONGER THAN 18"). IN UNFINISHED AREAS CONDUIT SHALL BE RUN EXPOSED AND IN FINISHED AREAS CONDUIT SHALL BE RUN CONCEALED.
8. PROVIDE PANEL NAME PLATE MADE OF BLACK LAMINATED PLASTIC WITH WHITE ENGRAVED LETTERING AND TYPE WRITTEN DIRECTORY FOR ALL NEW AND EXISTING PANELS BEING USED FOR THIS PROJECT.
9. ALL CONDUCTORS SHALL BE COPPER, TYPE THHN/THWN INSULATED. ALL CONDUCTORS SHALL HAVE 600 VOLT RATED INSULATION UNLESS OTHERWISE NOTED.
10. PROVIDE LOCK–ON CIRCUIT BREAKERS FOR CIRCUITS SERVING EXIT SIGN FIXTURES AND EMERGENCY BATTERY PACK FIXTURES.
11. THE USE OF FLEXIBLE CONDUIT FROM LIGHTING FIXTURES TO JUNCTION BOX IS PERMITTED ONLY WHEN A SEPARATE GROUND WIRE IS INSTALLED WITH THE CONDUCTORS INSIDE FLEXIBLE CONDUIT. THE GROUND WIRE MUST BOND THE FIXTURE HOUSING TO THE JUNCTION BOX. MAXIMUM LENGTH 6'–0".
12. EXACT LOCATION AND MOUNTING HEIGHTS OF ALL DEVICES SHALL BE COORDINATED WITH THE ARCHITECT PRIOR TO THE INSTALLATION.
13. WALL MOUNTED EQUIPMENT (SWITCHES, RECEPTACLES, ETC.,) SHALL BE SURFACE MOUNTED IN UNFINISHED AREAS AND ON EXISTING CONCRETE BLOCK WALLS AND FLUSH MOUNTED IN NEW WALLS/PARTITIONS.
14. CONDUIT RUNS SHALL BE PARALLEL WITH OR AT RIGHT ANGLES TO WALLS AND CEILINGS. CONDUIT SHALL BE SUPPORTED BY APPROVED MEANS. SUPPORTS FOR HORIZONTAL RUNS OF CONDUIT SHALL NOT EXCEED SEVEN FEET ON CENTERS.
15. PROVIDE PULL BOXES, JUNCTION BOXES, CONDUIT ELBOWS AND OFFSETS TO SUIT FIELD CONDITIONS AND THE NATIONAL ELECTRICAL CODE.
16. CONTRACTOR SHALL COORDINATE WITH THE FIRE DEPARTMENT AND F.A. VENDOR BEFORE PROCEEDING WITH WORK INVOLVING FIRE ALARM SYSTEM.
17. ALL EMPTY CONDUIT SHALL BE PROVIDED WITH A DRAGWIRE.
18. THE MINIMUM WIRE SIZE FOR 120 VOLT BRANCH CIRCUITS SHALL BE NO. 12 AWG, EXCEPT OVER 100' IN LENGTH SHALL BE NO. 10 AWG.
19. PROVIDE ALL REQUIRED AND NECESSARY ACCESSORIES (EX. CONNECTORS, ADAPTERS, BUSHINGS, CLAMPS, ETC.) TO FACILITATE COMPLETE INSTALLATION.
20. COORDINATE LOCATION OF ALL MECHANICAL EQUIPMENT WITH HVAC CONTRACTOR IN FIELD. FUSES FOR ALL MOTOR LOADS SHALL BE DUAL ELEMENT TIME DELAY TYPE.
21. ALL JUNCTION OR OUTLET BOXES SHALL BE INSTALLED SO AS TO ALLOW ACCESS TO COVER. PROVIDE ARCHITECT APPROVED ACCESS DOORS OR PLATES AS REQUIRED IN AREAS WHERE UNOBSTRUCTED ACCESS TO BOX OR OUTLET IS NOT POSSIBLE.
22. PRIOR TO ORDERING LIGHTING FIXTURES, COORDINATE WITH ARCHITECTURAL DRAWINGS AND SPECIFICATIONS. IF DISCREPANCIES EXIST BETWEEN ARCHITECTURAL AND ENGINEERING INFORMATION OBTAIN CLARIFICATION PRIOR TO PROCEEDING.
23. PRIOR TO ANY CHASING, CHOPPING OR CORE DRILLING BEING PERFORMED, THE CONTRACTOR SHALL FIELD INVESTIGATE CONDITIONS AND COORDINATE ALL WORK TO ENSURE THAT IT WILL BE IN HARMONY AND NOT AFFECT ANY EXISTING BUILDING SYSTEMS. THIS WORK MUST BE APPROVED BY BUILDING OWNER PRIOR TO PROCEEDING.
24. OPENINGS AROUND ELECTRICAL PENETRATIONS THROUGH FIRE RESISTANCE RATED WALLS, PARTITIONS, FLOORS OR CEILINGS SHALL BE FIRE STOPPED USING APPROVED METHODS. ALL SLEEVES MUST HAVE BUSHINGS. SEALANT SHALL BE 3 HOUR FIRE BARRIER #CP–25 (NO LESS THAN 3" THICK BACKED UP WITH MINERAL WOOL).
25. ALL PANELBOARD COVERS SHALL BE INSTALLED IN PLACE AT THE COMPLETION OF EACH DAYS WORK.
26. PREPARE 'AS–BUILT' DRAWINGS THAT REFLECT ACTUAL CONSTRUCTION AND SHOW DEVIATIONS FROM DESIGN DRAWINGS.
27. ALL NEW CIRCUIT BREAKERS INSTALLED INTO EXISTING PANELBOARDS SHALL BE UL LISTED FOR USE IN THE PANEL.

GENERAL REMOVAL NOTES

1. BEFORE COMMENCING WORK, EXAMINE ALL ADJOINING AREAS THAT MAY BE AFFECTED BY REMOVAL. REPORT TO THE GENERAL CONTRACTOR ANY CONDITION THAT PREVENTS PERFORMANCE OF THE WORK.
2. BECOME THOROUGHLY FAMILIAR WITH EXISTING CONDITIONS WHERE CONNECTIONS MUST BE MADE, CHANGED OR ALTERED. THE INTENT OF THE WORK IS SHOWN ON THE DRAWINGS AND DESCRIBED HEREINAFTER AND NO CONSIDERATION WILL BE GRANTED BY REASON OF LACK OF FAMILIARITY ON THE PART OF THE CONTRACTOR WITH ACTUAL PHYSICAL CONDITIONS AT THE SITE. INSPECT EACH AND EVERY AREA AFFECTED BY THE ALTERATION OF THE SPACE BEFORE SUBMITTAL OF BID.
3. ALL ELECTRICAL EQUIPMENT IN THE AREA OF WORK IS EXISTING TO BE REMOVED UNLESS OTHERWISE NOTED. THIS SHALL INCLUDE BUT NOT BE LIMITED TO THE FOLLOWING:
   A. CIRCUIT BREAKERS AND DISCONNECT SWITCHES.
   B. JUNCTION BOXES, OUTLETS AND DEVICES.
4. ALL CONDUCTORS AND CONDUIT ASSOCIATED WITH REMOVED ELECTRICAL EQUIPMENT SHALL BE REMOVED COMPLETELY BACK TO ITS SOURCE OF POWER AND DISCONNECTED.
5. ALL POWER CONDUCTORS, CONTROL WIRING AND CONDUIT ASSOCIATED WITH MECHANICAL EQUIPMENT SUCH AS FANS, AIR CONDITIONING UNITS, PUMPS, ETC. DESIGNATED FOR REMOVAL ON THE HVAC AND PLUMBING REMOVAL DRAWINGS SHALL BE REMOVED CLEAR BACK TO THE SOURCE OF POWER AND DISCONNECTED. ALL MOTOR STARTERS, DISCONNECT SWITCHES, CONTROL DEVICES, ETC. SHALL BE REMOVED. REFER TO MECHANICAL AND PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
6. CIRCUIT BREAKERS AND/OR SWITCHES IN PANELBOARD(S) OR DISTRIBUTION BOARD(S) MADE SPARE DUE TO REMOVAL SHALL BE DESIGNATED AS SUCH ON THE PANEL SCHEDULE.
7. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO TRACE AND RELOCATE ALL EXISTING FEEDERS AND BRANCH CIRCUIT WIRING WHICH PASSES THROUGH THE REMOVAL AREA THAT SERVE EXISTING OCCUPIED SPACES TO REMAIN. COORDINATE WITH BUILDING MANAGER PRIOR TO ANY SHUTDOWNS OR DISRUPTIONS THAT MAY BE REQUIRED TO ACCOMPLISH THIS WORK.
8. DISPOSE OF ALL REMOVED EQUIPMENT, WHICH IS NOT INTENDED TO BE REUSED. PRIOR TO DISPOSAL CONTACT BUILDING MANAGER TO DETERMINE IF ANY REMOVED EQUIPMENT IS DESIRED FOR STOCK.
9. EXISTING CIRCUIT BREAKERS IN PANEL(S) ARE TO BE RE–USED. ELECTRICAL CONTRACTOR TO DISCONNECT PANEL AND CIRCUIT BREAKERS WITH GREAT CARE TO ENSURE AGAINST DAMAGE. THIS CONTRACTOR SHALL PROVIDE NEW CIRCUIT BREAKERS AS REQUIRED. ALL NEW CIRCUIT BREAKERS INSTALLED INTO EXISTING PANELBOARDS SHALL BE UL LISTED FOR USE IN THE PANEL.
10. ALL FIRE ALARM DEVICES IN THE AREA OF WORK ARE EXISTING TO BE REMOVED UNLESS OTHERWISE NOTED.
11. EXISTING EQUIPMENT DESIGNATED FOR REUSE SHALL BE CLEANED, REFURBISHED AND RESTORED TO OPTIMUM PERFORMANCE. THIS SHALL INCLUDE BUT NOT LIMITED TO CLEANING OF LIGHT FIXTURES, REPLACEMENT OF INOPERABLE BALLASTS AND LAMPS, RESISTANCE TESTING OF BRANCH CIRCUITRY AND FEEDERS, ETC.
12. EXTEND EXISTING CIRCUITRY TO THOSE DEVICES THAT ARE TO BE RELOCATED. MATCH EXISTING TYPE AND SIZE. RELOCATION OF EXISTING EQUIPMENT SHALL BE PERFORMED ONLY UPON OWNERS ACCEPTANCE OF EXISTING EQUIPMENT.
13. EXTEND EXISTING CIRCUITS SERVING EQUIPMENT TO REMAIN FROM PANELS THAT ARE TO BE REMOVED TO NEW PANELS OR EXISTING PANELS THAT ARE TO REMAIN.

TRAILER CONNECTIONS

1. ELECTRICAL CONTRACTOR TO PROVIDE FINAL CONNECTIONS FOR THE TEMPORARY TRAILER LOCATED AT THE SITE.

LEGEND

	CEILING/WALL MOUNTED EXIT LIGHT WITH OUTLET BOX, DIRECTIONAL ARROWS SHADED PORTION INDICATES ILLUMINATED FACE. SCHEDULE DENOTES TYPE.
J	CEILING/WALL MOUNTED JUNCTION BOX.
3	HOMERUN TO DESIGNATED PANEL, ARROWHEAD INDICATES SINGLE POLE CIRCUIT. HOMERUN SHALL CONSIST OF 2#12–3/4"C U.O.N.
2,(4,6)	HOMERUN TO DESIGNATED PANEL, NUMBERS IN PARENTHESIS INDICATE MULTIPLE CIRCUIT, I.E. 3–HOTS AND 1–GROUND U.O.N.
	EXISTING TO REMAIN
	EXISTING TO BE REMOVED
	NEW
	125V–2P–3W–20A GROUNDED TYPE, SPECIFICATION GRADE WALL MOUNTED DUPLEX RECEPTACLE HUBBELL #5362.
	20A FLUSH WALL MOUNTED GROUND FAULT INTERRUPTING TYPE DUPLEX RECEPTACLE HUBBELL #GF5362.
	SURFACE MOUNTED NEW ELECTRICAL PANELBOARD.
	SURFACE MOUNTED EXISTING ELECTRICAL PANELBOARD.
240/3 60 HD WP	HEAVY DUTY TYPE DISCONNECT SWITCH WITH FINAL FLEXIBLE EQUIPMENT CONNECTION. 240 INDICATES VOLTAGE, 3 INDICATES NO. OF POLES, 60 INDICATES AMPERE RATING, NF INDICATES NON–FUSED(OR FUSE SIZE) U.O.N. REFER TO SPECIFICATION AND DRAWINGS FOR ENCLOSURE. "WP" WHERE USED INDICATES WEATHERPROOF ENCLOSURE (NEMA 3R).
S2T	20B VOLT, SINGLE PHASE 2 POLE, THERMAL OVERLOAD PROTECTED TOGGLE TYPE SWITCH. SIMILAR TO EATON #AH4361 + #AH27940G NEMA 1 ENCLOSURE.
M	MOTOR (F.B.O. WIRED BY ELEC.). REFER TO PANEL SCHEDULES FOR WIRING AND OVER CURRENT PROTECTION.
F	WALL MOUNTED COMBINATION FIRE ALARM HORN/STROBE DEVICE.
F	WALL MOUNTED FIRE ALARM MANUAL PULL STATION
ST	FIRE ALARM STROBE ONLY
S	FIRE ALARM SMOKE DETECTOR
FACP	FIRE ALARM CONTROL PANEL.
S	CEILING MOUNTED P.A SPEAKER.
7	TAG SYMBOL. NUMERAL DENOTES REFERENCE TO A WORK NOTE.
P 1 2	MECHANICAL EQUIPMENT IDENTIFICATION: EQUIPMENT ABBREVIATION (FE, SF, HV, ETC. SEE ABBREVIATIONS ON THIS DWG.) EQUIPMENT NUMBER
1 2	DETAIL/PART PLAN NUMBER IDENTIFICATION: DETAIL/PART PLAN NUMBER DRAWING NUMBER

ABBREVIATIONS

ABBV.	DESCRIPTION
A	AMP/AMPERE
AC	
A.F.F.	ABOVE FINISHED FLOOR
C.B.	CIRCUIT BREAKER
CKT	CIRCUIT
CU	CONDENSING UNIT
(E)	EXISTING TO REMAIN
E.C.	ELECTRICAL CONTRACTOR
EM	EMERGENCY
F.A.C.P.	FIRE ALARM CONTROL PANEL
G,GRD	GROUND
GFI	GROUND FAULT INTERRUPTER
KVA	KILOVOLT AMPERE
KW	KILOWATT
LTG	LIGHTING
MCB	MAIN CIRCUIT BREAKER
MLO	MAIN LUGS ONLY
MTD	MOUNTED
N	NEUTRAL
NTS	NOT TO SCALE
P.A.	PUBLIC ADDRESS
PNL	PANEL
(R)	REMOVE EXISTING
TYP.	TYPICAL
W	WATT
WP	WEATHERPROOF
(ER)	EXISTING RELOCATED
(RR)	REMOVED, SALVAGED AND RELOCATED

KEY PLAN
SCALE N.T.S.

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

YPS JOB # 10878

PROJECT TITLE
YONKERS SCHOOL DISTRICT
PS 29 – BOILER REPLACEMENT, HVAC UPGRADES & ASBESTOS ABATEMENT PHASE 2 OF 2
47 CROTON ROAD, YONKERS N.Y. 10710

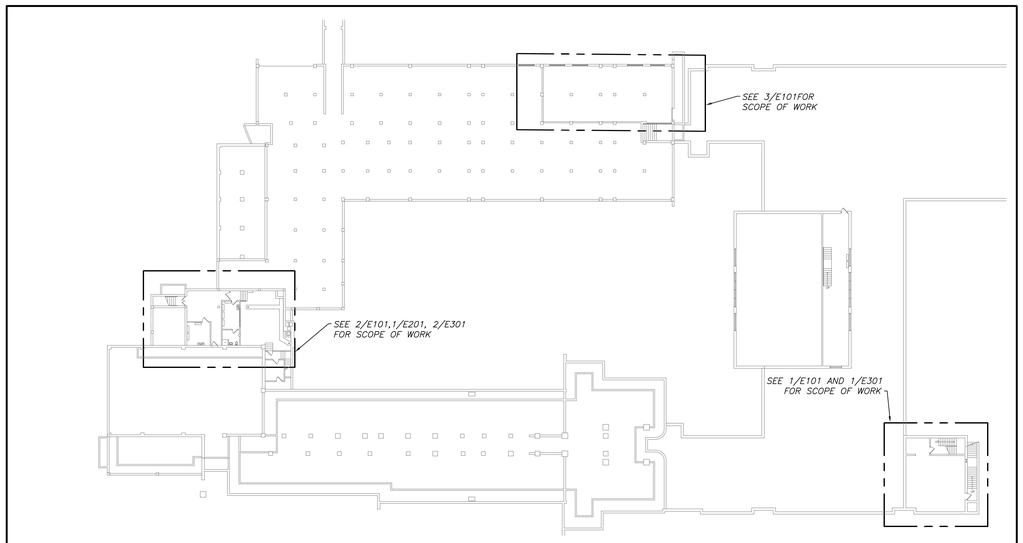
DRAWING TITLE
LEGEND, ABBREVIATIONS AND NOTES

DATE	ISSUED TO
10-21-2022	BID
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06-01-2020	100% D.D. SUBMISSION
05-01-2020	50% D.D. SUBMISSION

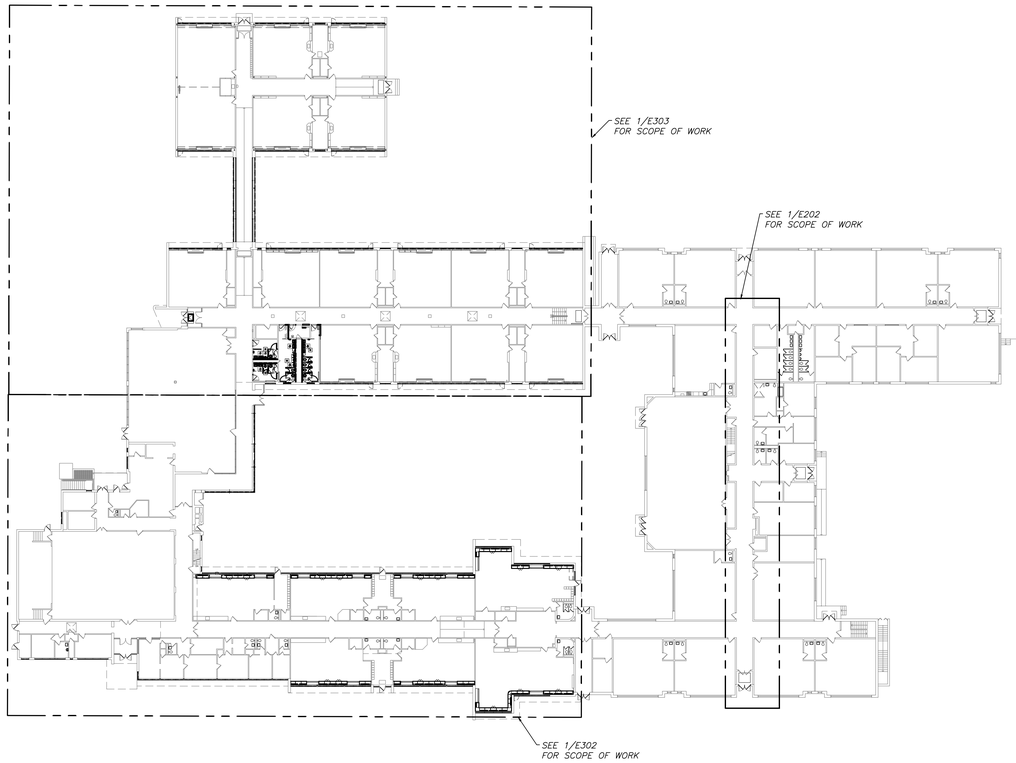
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PLOT DATE: October 20, 2022 – 12:33pm

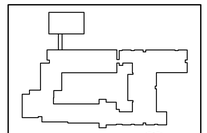
FILE: Y:\YONKERS PUBLIC SCHOOLS\YPS – School 29 – Ph 2 – Boilers, HVAC, Windows & Asbestos Abatement (2242.00)\Drawings\Electrical\224200E001.dwg



BASEMENT SCOPE OF WORK PLAN 1/E100 — 0 32' 64' — 1/32 inch=1 foot



FIRST FLOOR SCOPE OF WORK PLAN 2/E100 — 0 32' 64' — 1/32 inch=1 foot



KEY PLAN
SCALE N.T.S.

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S.E.D. CONTROL NUMBER:

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

YPS JOB # 10878

PROJECT TITLE
YONKERS SCHOOL DISTRICT
PS 29 - BOILER REPLACEMENT, HVAC UPGRADES & ASBESTOS ABATEMENT PHASE 2 OF 3
47 CROTON ROAD, YONKERS N.Y. - 10710

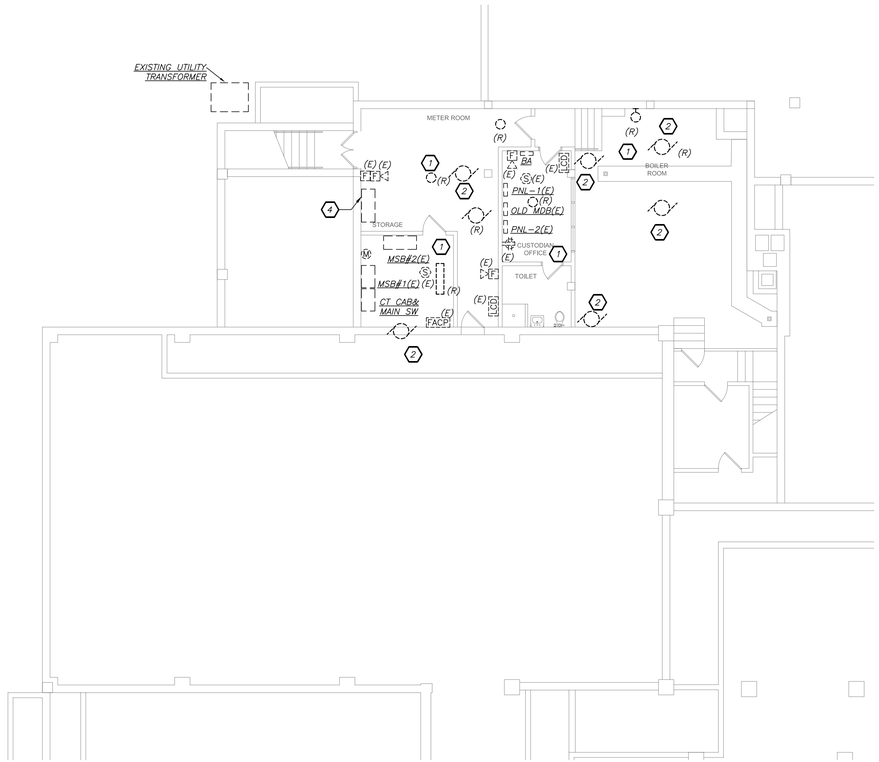
DRAWING TITLE
SCOPE OF WORK PLAN

DATE	ISSUED TO
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" | DRAWING NO. E100
SCALE AS NOTED
DRAWN BY BGA | FILE NO. 19359.00

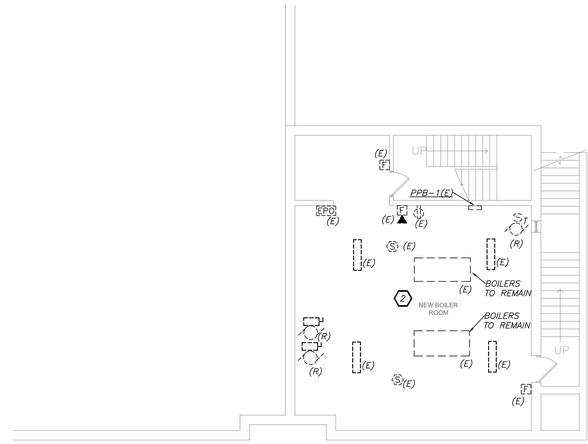
PLOT DATE: October 20, 2022 - 12:45pm

FILE: Y:\YONKERS PUBLIC SCHOOLS\YPS - School 29 - Ph 2 - Boilers, HVAC, Windows & Asbestos Abatement (2242.00)\Drawings\Electrical\224200E100.dwg



PART BASEMENT FLOOR PLAN (REMOVALS)

2 / E101 — 0, 8', 16' — 1/8 inch=1 foot



PART BASEMENT FLOOR PLAN (REMOVALS)

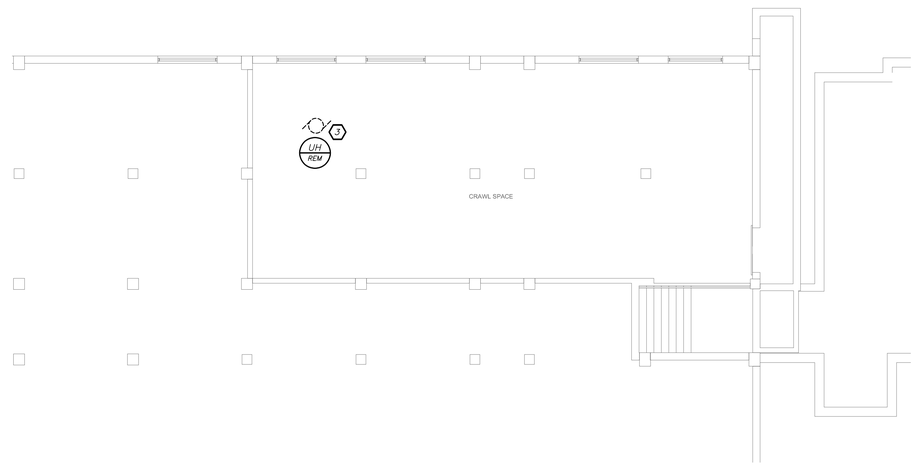
1 / E101 — 0, 8', 16' — 1/8 inch=1 foot

GENERAL REMOVAL NOTES:

1. EC TO COORDINATE ALL REMOVALS WITH OWNER/ARCHITECT BEFORE START OF ANY WORK.

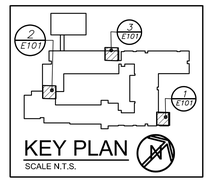
REMOVAL NOTES:

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



PART BASEMENT FLOOR PLAN (REMOVALS)

3 / E101 — 0, 8', 16' — 1/8 inch=1 foot



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S.E.D. CONTROL NUMBER:

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

YPS JOB # 10878

PROJECT TITLE
YONKERS SCHOOL DISTRICT
PS 29 - BOILER REPLACEMENT, HVAC, UPGRADES & ASBESTOS ABATEMENT PHASE 2 OF 3
47 CROYDON ROAD, YONKERS N.Y. - 10710

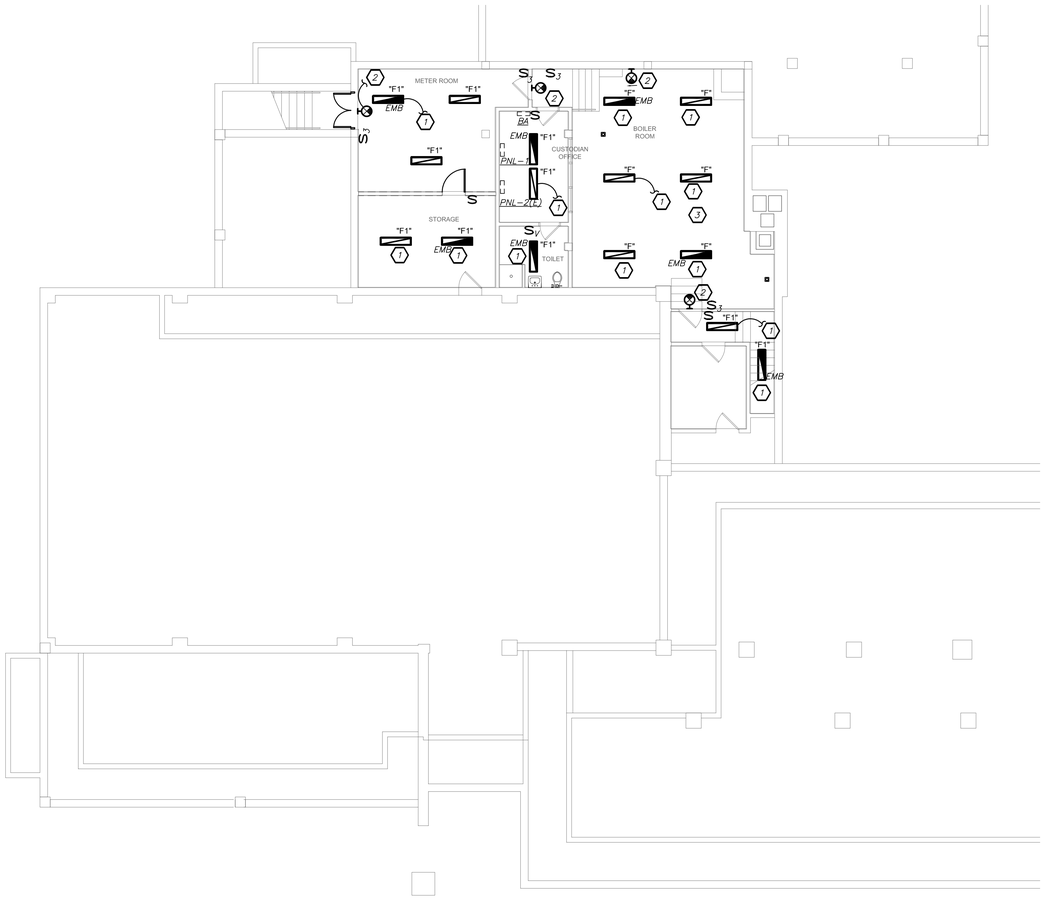
DRAWING TITLE
PART BASEMENT PLAN REMOVAL PLAN

DATE	ISSUED TO
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	DRAWING NO.
30"x42"	E101
SCALE: AS NOTED	
DRAWN BY: BGA	FILE NO. 19359.00

PLOT DATE: October 20, 2022 - 12:33pm

FILE: Y:\YONKERS PUBLIC SCHOOLS\YPS – School 29 – Ph 2 – Boilers, HVAC, Windows & Asbestos Abatement (2242.00)\Drawings\Electrical\224200E101.dwg

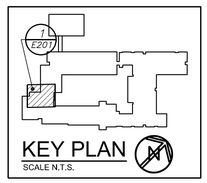


PARTIAL BASEMENT LIGHTING PLAN
(NEW WORK)

1 / E201 — 1/8 inch=1 foot

WORK NOTES:

1. CIRCUIT NEW NORMAL LIGHTING ON EXISTING LIGHTING CIRCUIT IN THIS AREA MADE AVAILABLE AFTER DEMO WORK. EC TO CONFIRM CIRCUIT # IN FIELD. PROVIDE 2#12+1#12G IN 3/4"C FROM SOURCE PANELBOARD TO FEED NEW LIGHT FIXTURES AS NEEDED EXTEND ALL CONTROLS IN THE RENOVATED AREAS TO NEW LIGHTING SWITCHES.
2. CIRCUIT NEW EXIT LIGHTS ON THE NORMAL CIRCUIT AHEAD OF ANY SWITCHING.
3. EC TO MAINTAIN LIGHTING LAYOUT AS SPECIFIED WHILE COORDINATING WITH EXISTING AND NEW HVAC PIPING IN THE ARES.



KEY PLAN
SCALE N.T.S.

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

YPS JOB # 10878

PROJECT TITLE
YONKERS SCHOOL DISTRICT
PS-29 - BOILER REPLACEMENT, HVAC UPGRADES & ASBESTOS ABATEMENT PHASE 2 OF 3
47 CHOTOON ROAD, YONKERS N.Y. - 10710

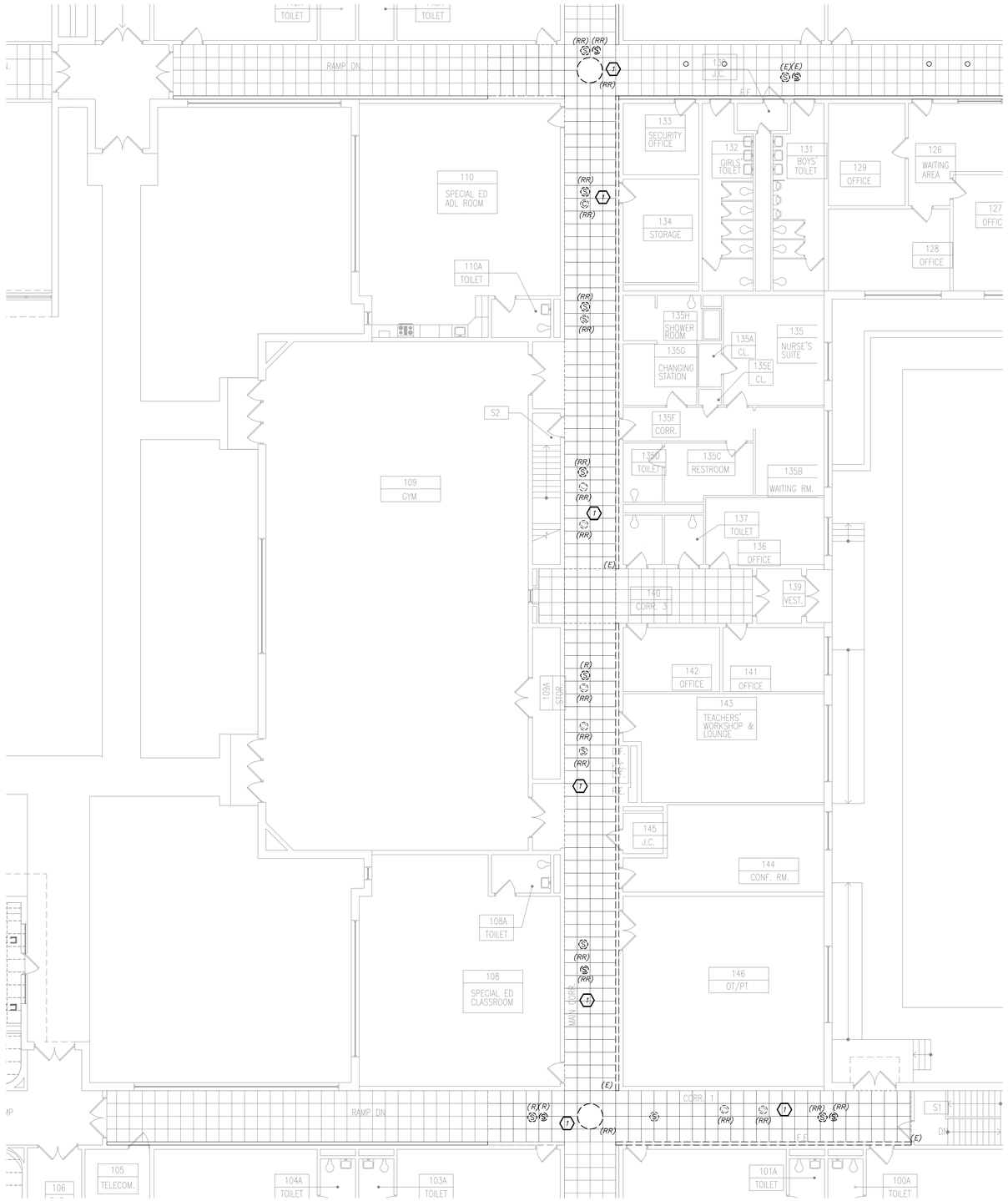
DRAWING TITLE
BASEMENT LIGHTING PLAN

DATE	ISSUED TO
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	DRAWING NO.
30"x42"	E201
SCALE: AS NOTED	
DRAWN BY: BGA	FILE NO: 19359.00

PLOT DATE: October 20, 2022 - 12:33pm

FILE: Y:\YONKERS PUBLIC SCHOOLS\YPS - School 29 - Ph 2 - Boilers, HVAC, Windows & Asbestos Abatement (2242.00)\Drawings\Electrical\224200E201.dwg



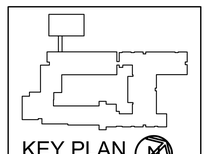
PART FIRST FLOOR LIGHTING PLAN
(NEW WORK)

2 / E202

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

WORK NOTES:

1. REMOVE AND REINSTALL CEILING MOUNTED LIGHT FIXTURES, SMOKE DETECTORS, SPEAKERS 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



KEY PLAN
SCALE N.T.S.

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

YPS JOB # 10878

PROJECT TITLE
YONKERS SCHOOL DISTRICT
PS 29 - BOILER REPLACEMENT, HVAC UPGRADES & ASBESTOS ABATEMENT PHASE 2 OF 3
47 CROTON ROAD, YONKERS N.Y. 10710

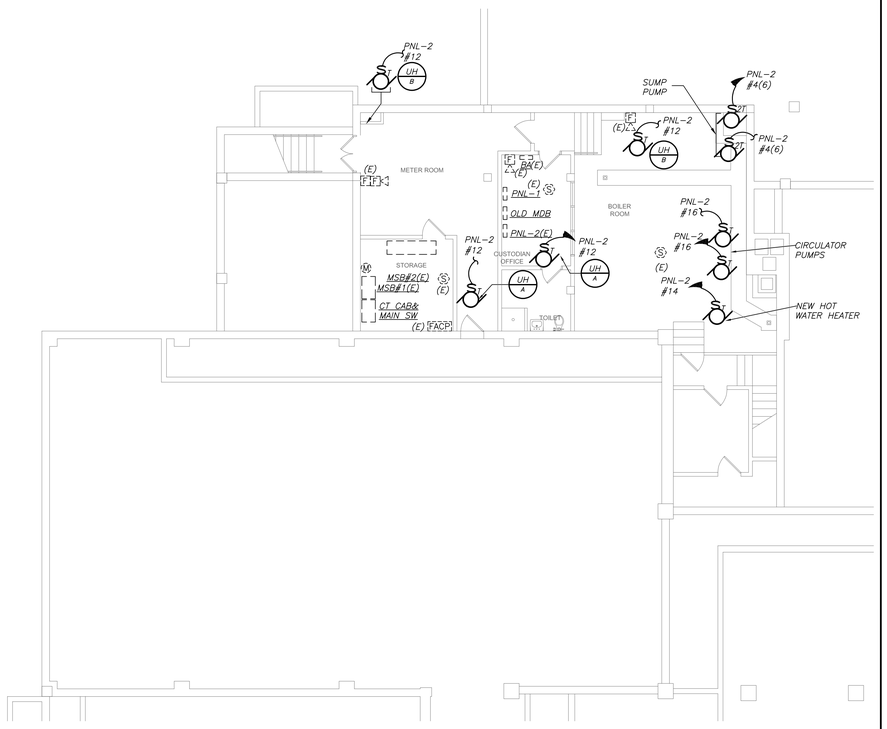
DRAWING TITLE
PART FIRST FLOOR LIGHTING PLAN

DATE	ISSUED TO
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	DRAWING NO.
30"x42"	E202
SCALE: AS NOTED	
DRAWN BY: BGA	FILE NO. 19359.00

PLOT DATE: October 20, 2022 - 12:46pm

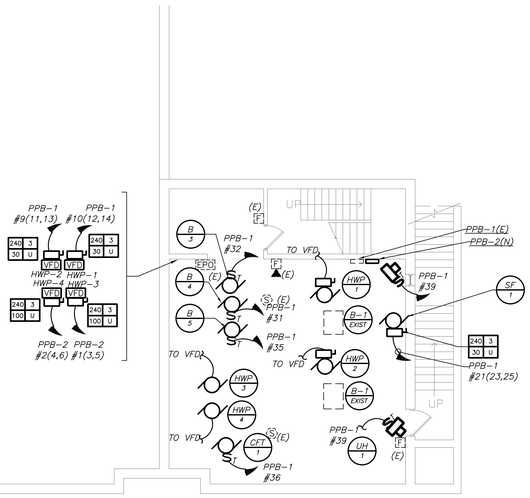
FILE: Y:\YONKERS PUBLIC SCHOOLS\YPS - School 29 - Ph 2 - Boilers, HVAC, Windows & Asbestos Abatement (2242.00)\Drawings\Electrical\224200E202.dwg



PART BASEMENT FLOOR PLAN
(NEW WORK)

2 E301

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



PART BASEMENT FLOOR PLAN
(NEW WORK)

1 E301

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

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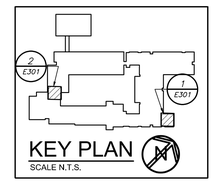
S.E.D. CONTROL NUMBER:

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

YPS JOB # 10878

PROJECT TITLE
YONKERS SCHOOL DISTRICT
PS-29 - BOILER REPLACEMENT, HVAC UPGRADES & ASBESTOS ABATEMENT PHASE 2 OF 3
47 CHOTPOON ROAD, YONKERS N.Y. - 10710

DRAWING TITLE
PART BASEMENT POWER PLAN

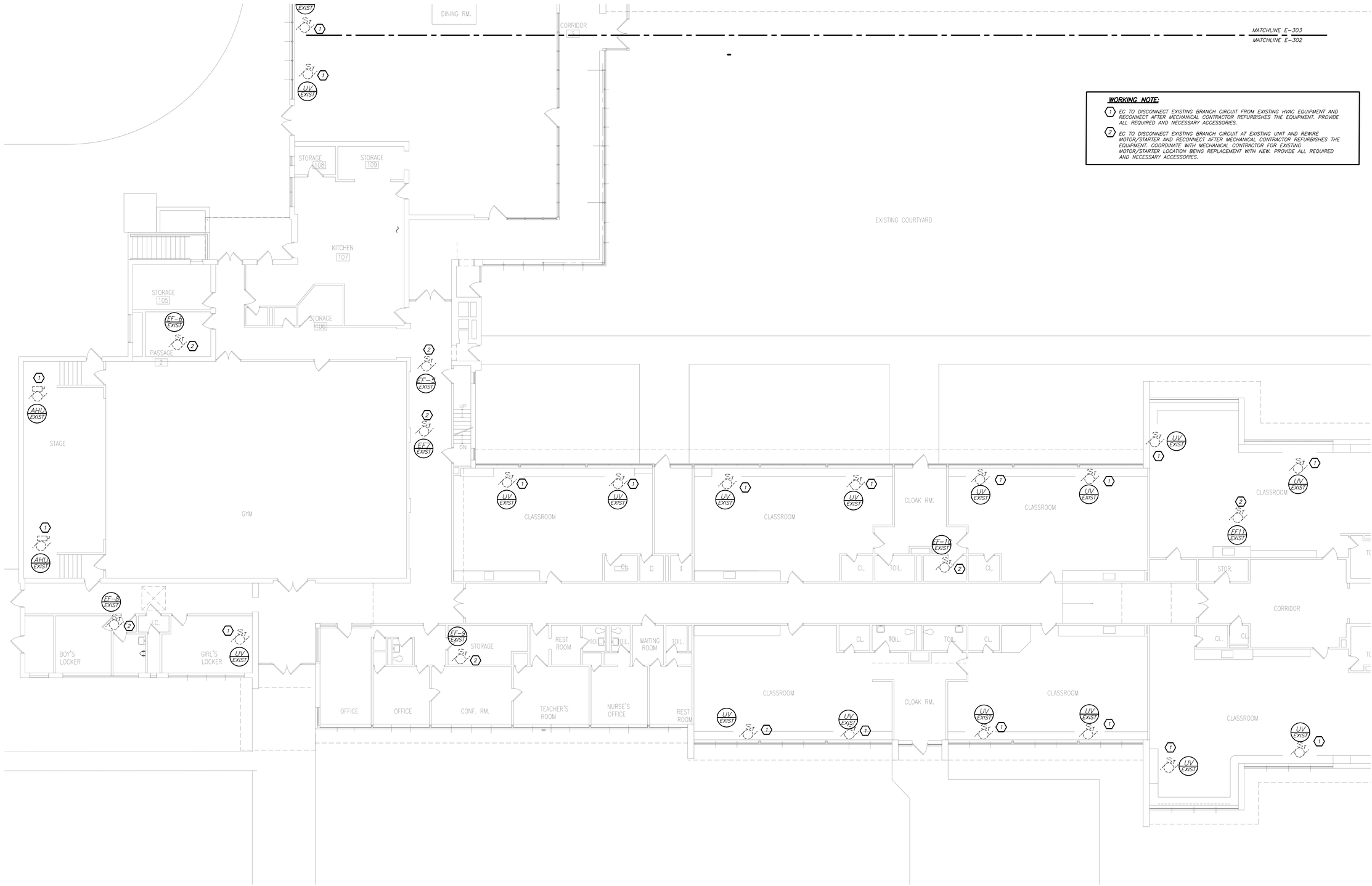


10-21-2022	BID
11-06-2020	100% C.D. SUBMISSION
06-01-2020	100% D.D. SUBMISSION
05-01-2020	50% D.D. SUBMISSION
DATE	ISSUED TO

SHEET SIZE: 30"x42"	DRAWING NO.: E301
SCALE: AS NOTED	
DRAWN BY: BGA	FILE NO.: 19359.00

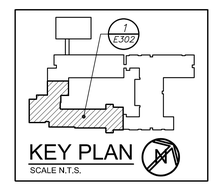
PLOT DATE: October 20, 2022 - 12:34pm

FILE: Y:\YONKERS PUBLIC SCHOOLS\YPS - School 29 - Ph 2 - Boilers, HVAC, Windows & Asbestos Abatement (2242.00)\Drawings\Electrical\224200E301.dwg



PART FIRST FLOOR PLAN
(NEW WORK)

1 / E302 — 0, 8', 16' — 1/8 inch=1 foot



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

YPS JOB # 10878

PROJECT TITLE
YONKERS SCHOOL DISTRICT
PS 29 - BOILER REPLACEMENT, HVAC, UPGRADES & ASBESTOS ABATEMENT PHASE 2 OF 3
47 CROYDON ROAD, YONKERS N.Y. - 10710

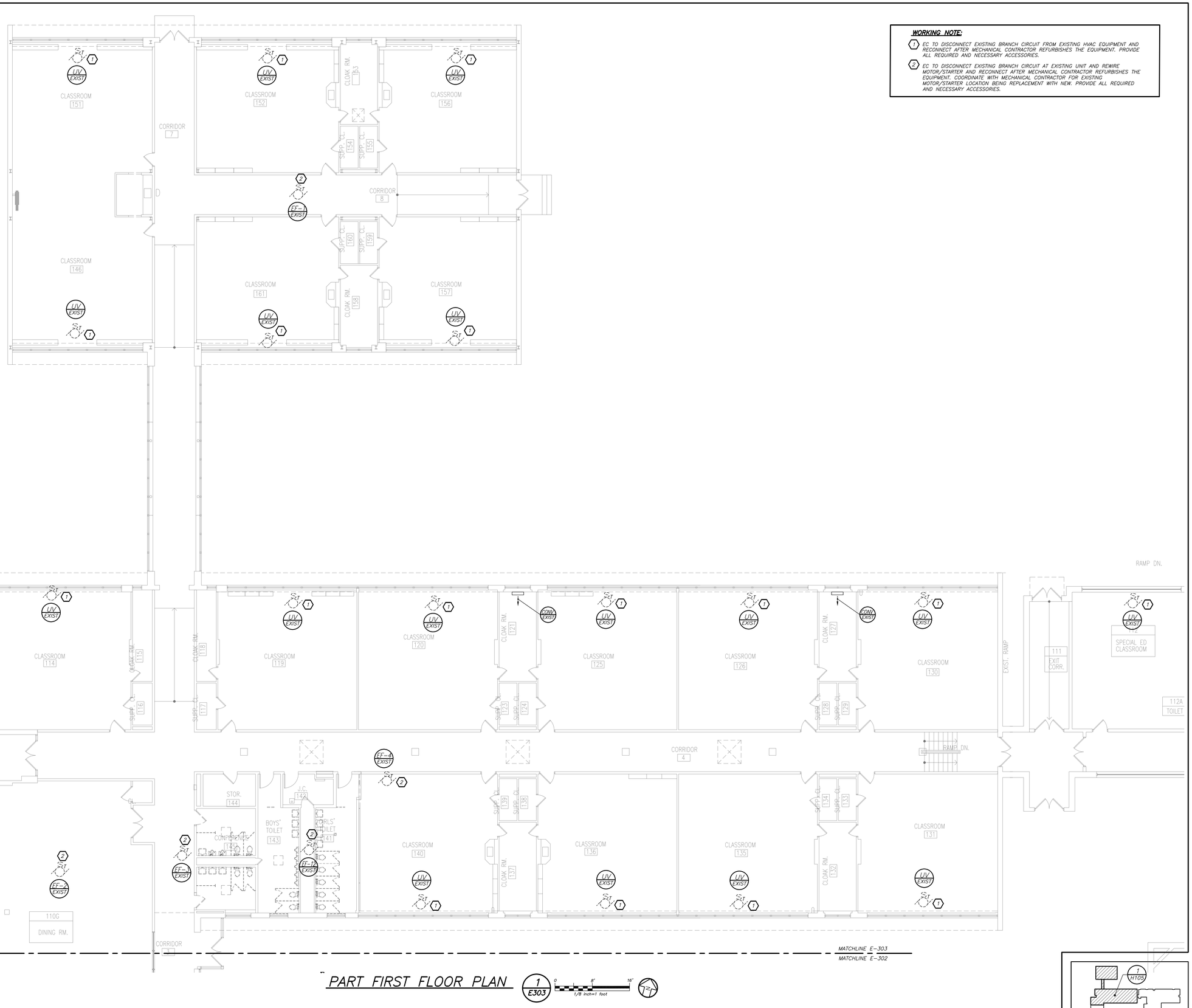
DRAWING TITLE
PART FIRST FLOOR PLAN

DATE	ISSUED TO
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"	DRAWING NO. E302
SCALE AS NOTED	
DRAWN BY BGA	FILE NO. 19359.00

PLOT DATE: October 20, 2022 - 12:34pm

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

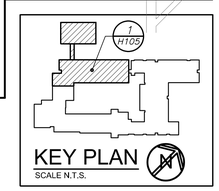


PART FIRST FLOOR PLAN

1 / E303 — 0, 8', 16' — 1/8 inch=1 foot

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.*



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

YPS JOB # 10878

PROJECT TITLE
YONKERS SCHOOL DISTRICT
PS 29 - BOILER REPLACEMENT, HVAC UPGRADES & ASBESTOS ABATEMENT PHASE 2 OF 3
47 CHOTPON ROAD, YONKERS N.Y. - 10710

DRAWING TITLE
PART FIRST FLOOR PLAN

DATE	ISSUED TO
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05-01-2020	50% D.D. SUBMISSION

SHEET SIZE: 30"x42"
DRAWING NO.: E 303
SCALE: AS NOTED
DRAWN BY: BGA
FILE NO.: 19359.00

PLOT DATE: October 20, 2022 - 12:34pm

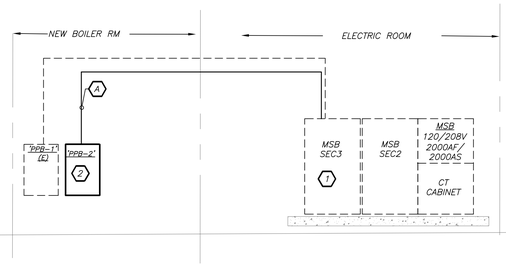
FILE: Y:\YONKERS PUBLIC SCHOOLS\YPS - School 29 - Ph 2 - Boilers, HVAC, Windows & Asbestos Abatement (2242.00)\Drawings\Electrical\224200E303.dwg

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
"F1"	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
"F1" EMB	PENDANT	48W LED 120V	SAME AS TYPE "F1" 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

WORK NOTES:

1. PROVIDE ONE (1) NEW 3P-400AMP BREAKER IN AVAILABLE SPACE FOR OPTIONAL STANDBY TRANSFER SWITCH. MATCH EXISTING FRAME SIZE AND TYPE. PROVIDE ALL REQUIRED AND NECESSARY PROVISIONS AND ACCESSORIES IN EXISTING DISTRIBUTION BOARD. PROVIDE PROPER LABELING FOR IDENTIFICATION.
2. PROVIDE NEW 120/208V PANELBOARD. REFER TO PANEL SCHEDULE FOR PANEL SIZE, TYPE AND CIRCUIT BREAKER ARRANGEMENT.



FEEDER SCHEDULE:

A 4#500 + 1#3/0 G IN 4" C.

PARTIAL POWER RISER 1/E501

NEW ELECTRICAL PANEL SCHEDULE

PNL: PPB-2 | 208Y/120, 3 PHASE, 4 WIRE | 18 ,000MIN A.I.C. SYM | NEUTRAL: 100%

MOUNTING: (NEMA 1) SURFACE X / FLUSH / IN MCC — MAIN LUGS ONLY X / DOUBLE LUGS / FEED THRU LUG / SHUNT TRIP MAIN — MAIN C BKR- 150 A — MAIN BUS - 400A/3P — GROUND BUS: X / ISOLATED GROUND BUS: / TVSS: / NUMBER OF POLES: 24

CKT No.	TRIP (AMP)	LOAD	WIRE	CND. (IN.)	KVA/PHASE A	KVA/PHASE B	KVA/PHASE C	KVA/PHASE A	KVA/PHASE B	KVA/PHASE C	CND. (IN.)	WIRE	LOAD	TRIP (AMP)	CKT No.
1	3				8.20									3	2
3		HWP-4	3#2+1#8G	1 1/4		8.20					1 1/4	3#2+1#8G	HWP-3		4
5	/110						8.20							/110	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		0.00	0.00	0.00			SUBTOTALS		

TOTAL LOADS	8.2 KVA	PHASE A
	8.2 KVA	PHASE B
	8.2 KVA	PHASE C
TOTAL CONN. LOAD	24.6 KVA	68.0 A
TOTAL DEMAND LOAD	24.6 KVA	68.0 A

LIGHTING:	0.00 KVA
RECEPTACLE:	0.00 KVA
KITCHEN:	0.00 KVA
MOTOR:	24.60 KVA
POWER:	0.00 KVA
TOTAL:	24.60 KVA

EXISTING ELECTRICAL PANEL SCHEDULE

PNL: PPB-1 | 208Y/120, 3 PHASE, 4 WIRE | 22 ,000MIN A.I.C. SYM | NEUTRAL: 100%

MOUNTING: (NEMA 1) SURFACE X / FLUSH / IN MCC — MAIN LUGS ONLY / DOUBLE LUGS / FEED THRU LUG / SHUNT TRIP MAIN — MAIN C BKR- 225A/3P — MAIN BUS - 225 A — GROUND BUS: X / ISOLATED GROUND BUS: / TVSS: / NUMBER OF POLES: 42

CKT No.	TRIP (AMP)	LOAD	WIRE	CND. (IN.)	KVA/PHASE A	KVA/PHASE B	KVA/PHASE C	KVA/PHASE A	KVA/PHASE B	KVA/PHASE C	CND. (IN.)	WIRE	LOAD	TRIP (AMP)	CKT No.
1	20	EXISTING CP	EXIST									EXIST	EXISTING CP	20	2
3	3													2	4
5		EXISTING BOILER -1	EXIST									EXIST	EXISTING BOILER -2		6
7	20													20	8
9	3					1.10			1.10					3	10
11		HWP-1	3#10+1#10G	3/4			1.10	1.10			3/4	3#10+1#10G	HWP-2		12
13	25				1.10			1.10						25	14
15	3										-			3	16
17		EXIS LOAD	EXIST								-	EXIST	EXIS LOAD		18
19	30										-			30	20
21	3						0.30				-			20	22
23		SF	2#12+1#12G	3/4			0.30				-	EXIST	EXIS LOAD		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*	20	BOILER 4	2#12+1#12G	3/4	0.50					0.50		3/4	2#12+1#12G	BOILER-3	20	32*
35*	20	BOILER 5	2#12+1#12G	3/4			0.50					0.10	3/4	2#12+1#12G	CFT	20	36
											-	-		-	SPACE	20	38
39	20	UH-1	2#12+1#12G	3/4		0.30					-	-		-	SPARE	20	40
41	20	SPARE	-	-							-	-		-	SPARE	20	42
		SUBTOTALS			1.90	1.70	1.90	1.60	1.10	1.20					SUBTOTALS		

TOTAL LOADS	3.5 KVA	PHASE A
	2.8 KVA	PHASE B
	3.1 KVA	PHASE C
TOTAL CONN. LOAD	9.4 KVA	26.0 A
TOTAL DEMAND LOAD	9.4 KVA	26.0 A

LIGHTING:	0.00 KVA
RECEPTACLE:	0.00 KVA
KITCHEN:	0.00 KVA
MOTOR:	9.40 KVA
POWER:	0.00 KVA
TOTAL:	9.40 KVA

* PROVIDE SHUNT TRIP BREAKER

KEY PLAN
SCALE N.T.S.

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

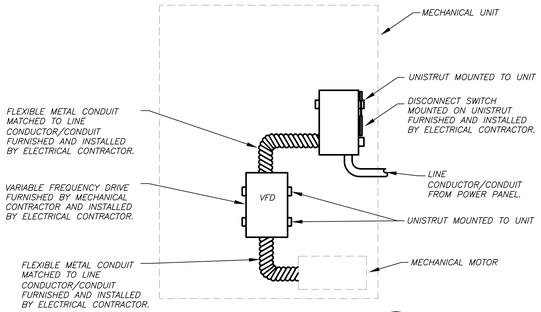
YPS JOB # 10878

PROJECT TITLE: YONKERS SCHOOL DISTRICT PS 29 - BOILER REPLACEMENT, HVAC UPGRADES & ASBESTOS ABATEMENT PHASE 2 OF 3
47 CHOTPOON ROAD, YONKERS N.Y. - 10710

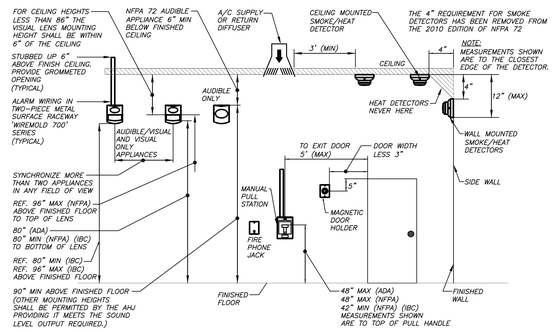
DRAWING TITLE: POWER RISER AND SCHEDULES

DATE	ISSUED TO
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" | DRAWING NO.: E501
SCALE: AS NOTED
DRAWN BY: BGA | FILE NO.: 19359.00

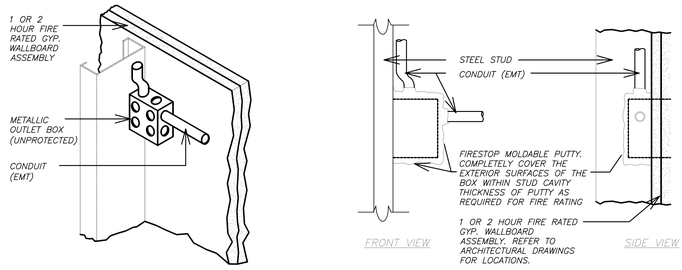


UNIT MOUNTED VFD MOUNTING DIAGRAM 3/E701 N.T.S.



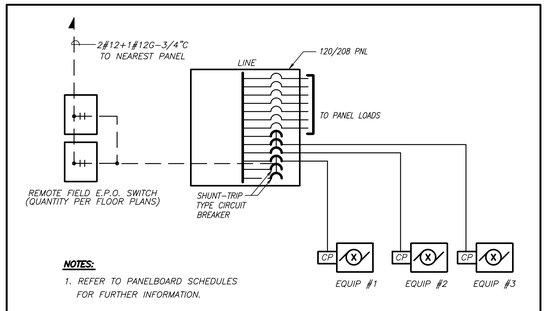
DEVICE MOUNTING HEIGHT REFERENCE (PER NFPA 72)

FIRE ALARM DEVICES – MOUNTING DETAIL 2/E701 N.T.S.



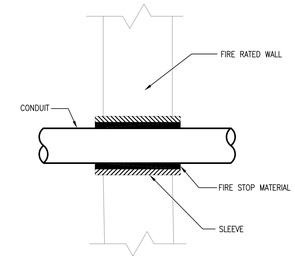
NOTES:
1. CLEARANCE BETWEEN OUTLET BOX AND WALL BOARD 1/8" MAX.
2. PROVIDE FIRE STOPPING IF:
   A. THE SURFACE AREA OF INDIVIDUAL METALLIC OUTLET OR SWITCH BOXES EXCEEDS 16 SQ. INCHES.
   B. THE AGGREGATE SURFACE AREA OF THE BOXES EXCEEDS 100 SQ. INCHES PER 100 SQ. FT. OF WALL SURFACE.
3. BOXES LOCATED ON OPPOSITE SIDE OF WALLS OR PARTITIONS SHALL BE SEPARATED BY A MINIMUM HORIZONTAL DISTANCE OF 24", MINIMUM DISTANCE SEPARATION MAY BE REDUCED WHEN OPENING PROTECTIVE MATERIAL ARE INSTALLED TO THE REQUIREMENTS OF THEIR CLASSIFICATION.
4. USE THE APPROPRIATE FIRESTOPPING PUTTY FOR METALLIC OR NON-METALLIC OUTLET BOXES RESPECTIVELY.

DETAIL OF WALL BOX FIRE PROTECTION 1/E701 N.T.S.



NOTES:
1. REFER TO PANELBOARD SCHEDULES FOR FURTHER INFORMATION.

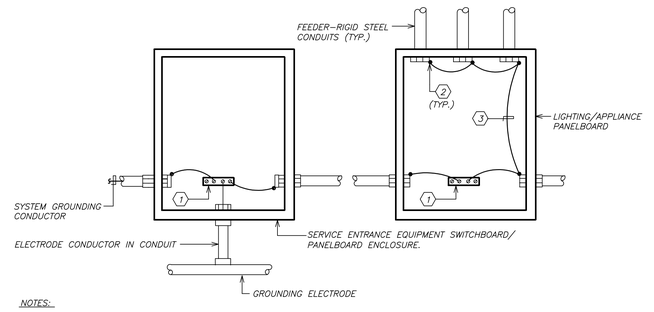
EMERGENCY SHUNT TRIP (EPO) SHUTDOWN DIAGRAM 6/E701 N.T.S.



CONDUIT PENETRATION THRU FIRE RATED WALL

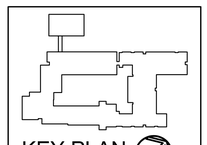
NOTES:
1. USE WHERE CONDUITS PASS THRU FIRE RATED WALL.
2. WHERE CONDUITS PASS THRU CONCRETE BEAM, BRICK WALL, OR WATER PROOF FLOORS, USE PIPE SLEEVES.

CONDUIT PENETRATION DETAILS 5/E701



NOTES:
1. PANELBOARD GROUND BUS
2. GROUNDING BUSHING
3. GROUNDING CONDUCTOR

RACEWAY EQUIPMENT GROUNDING SYSTEM 4/E701 N.T.S.



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

YPS JOB # 10878

PROJECT TITLE
YONKERS SCHOOL DISTRICT
PS 29 - BOILER REPLACEMENT, HVAC UPGRADES & ASBESTOS ABATEMENT PHASE 2 OF 3
47 CHOTPOON ROAD, YONKERS N.Y. - 10710

DRAWING TITLE
ELECTRICAL DETAILS

DATE	ISSUED TO
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SHEET SIZE 30"x42"
DRAWING NO. E701
SCALE AS NOTED
DRAWN BY BGA
FILE NO. 19359.00

PLOT DATE: October 20, 2022 - 12:33pm

FILE: Y:\YONKERS PUBLIC SCHOOLS\YPS – School 29 – Ph 2 – Boilers, HVAC, Windows & Asbestos Abatement (2242.00)\Drawings\Electrical\224200E701.dwg