NO.	ISSUANCE	DATE	REVISION
1	SED SUBMISSION	03-03-2023	
2	BID	11-22-2024	
3	CONTRACT #3 PLUMBING RE-BID	03-05-2025	

YONKERS PUBLIC SCHOOLS

One Larkin Center, Yonkers, New York 10701

Water Mitigation of Fuel Tank Room and other improvements CESAR E. CHAVEZ SCHOOL 20 Cedar PI, Yonkers, NY 10705

LIST OF DRAWINGS

GENERAL:

TITLE SHEET & LIST OF DRAWINGS

G1 ABBREVIATIONS, LEGENDS, MOUNTING HEIGHTS & GENERAL NOTE

<u>PLUMBING</u>

100 PLUMBING NOTES, LEGENDS & BASEMENT FLOOR PLA

CCE-MP001 ABBREVIATIO

PARTIAL FLOOR PLANS DEMOLITION & NEW WOR

ABBREVIATION & SYMBOLS



PROJECT LOCATION MAP SCALE: N.T.S.

DESIGN TEAM:

ARCHITECT FULLER AND D'ANGELO P.C.

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ENVIRONMENTAL CONSULTANT EISENBACH & RUHNKE, ENGINEERING, P.C.

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Yonkers Public Schools

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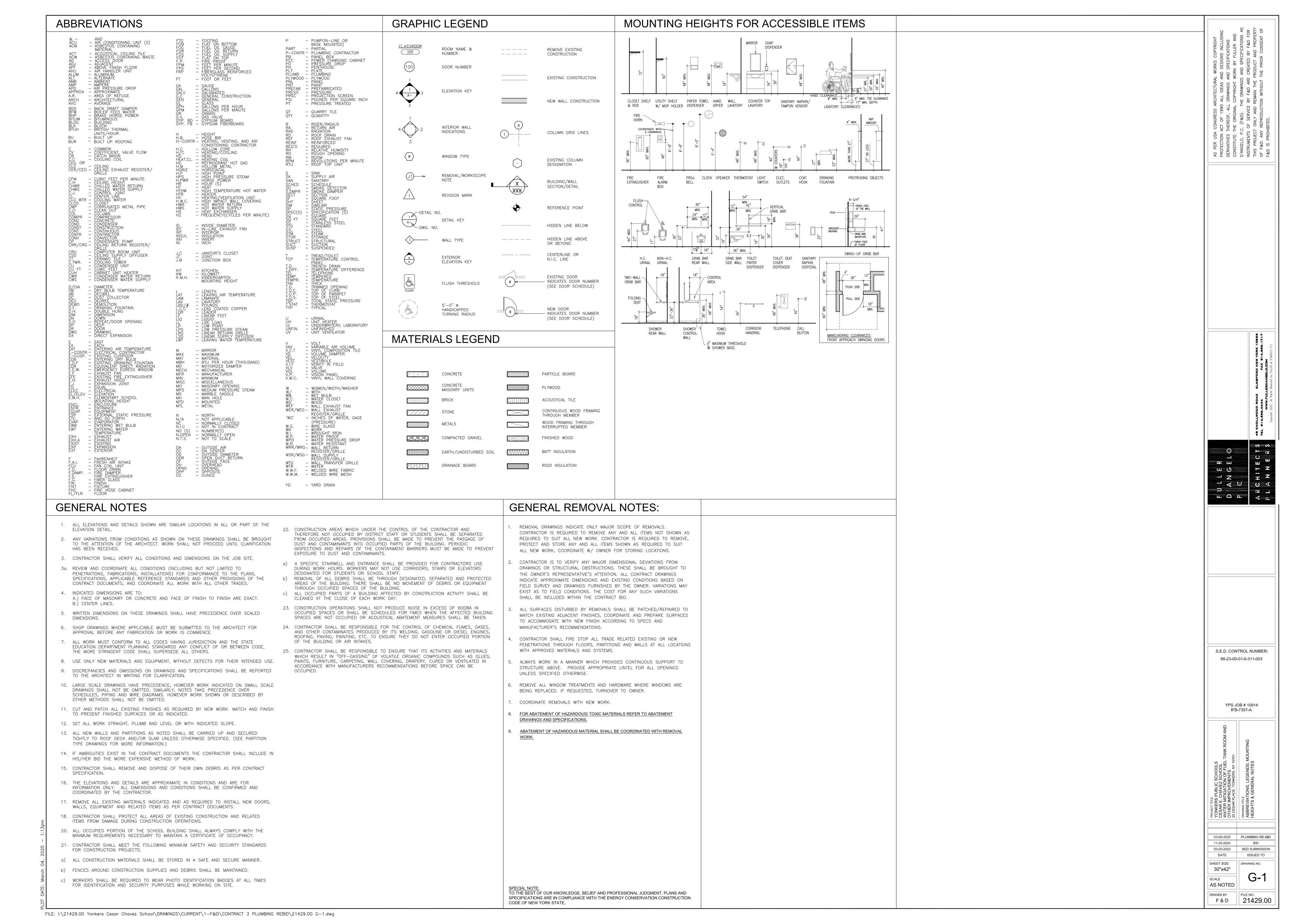
Michael Pelliccio
Executive Director
School Facilities Management

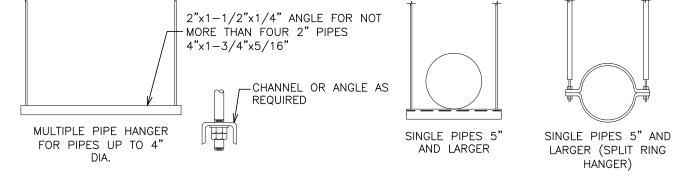
SED # 66-23-00-01-0-311-003

YPS JOB # 10914 IFB-7357-A

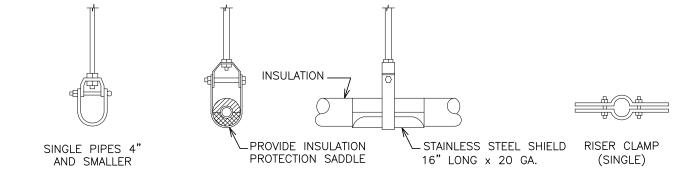
MARCH 5, 2025

CONTRACT #3 PLUMBING RE-BID





TRAPEZE PIPE HANGERS



CLEVIS PIPE HANGERS

METHOD OF PIPE SUPPORT SCALE: N.T.S.

PLUMBING REMOVAL NOTES:

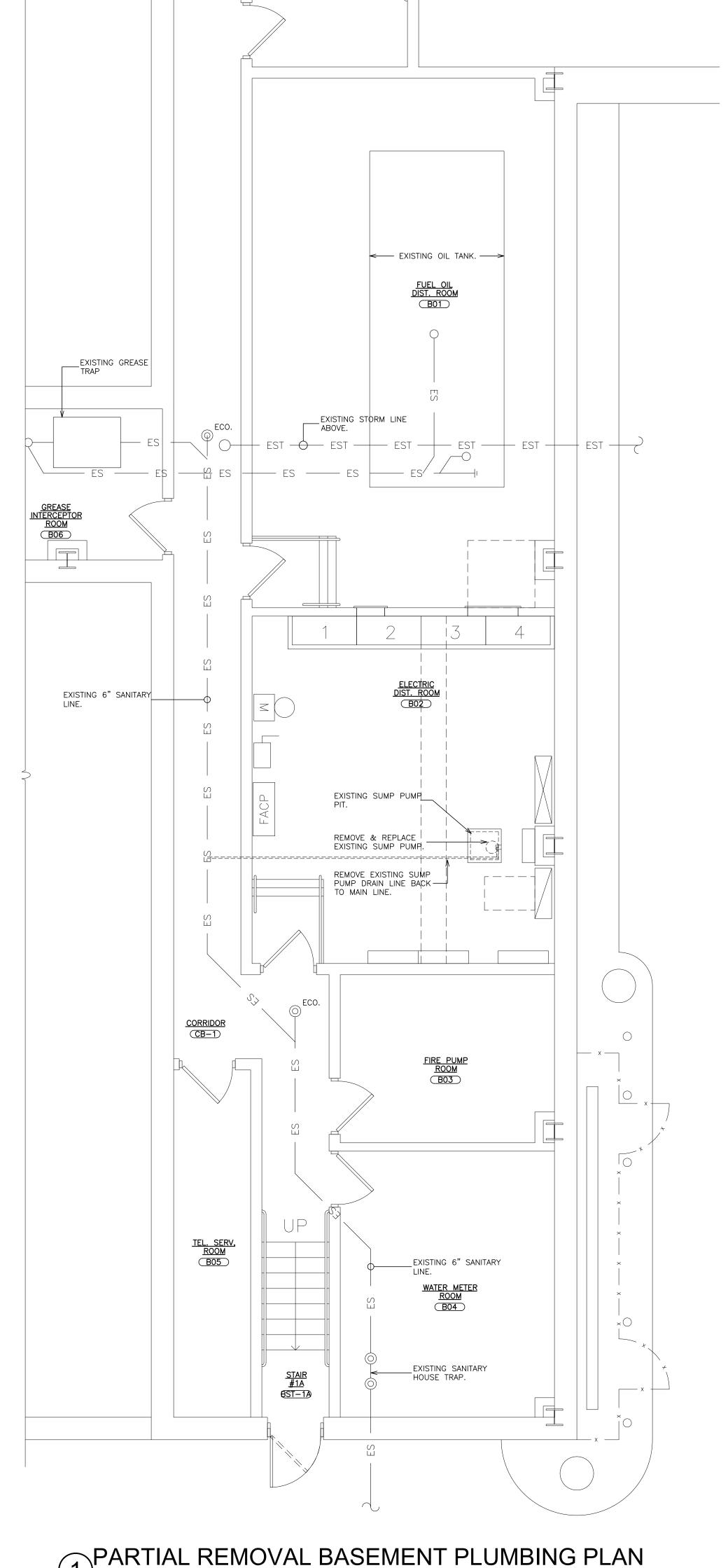
- 1 REMOVE ALL PLUMBING FIXTURES, EQUIPMENT, SPECIALTIES, DRAINS, CONTROLS, HANGERS, BASES, SUPPORTS, PIPING, VALVES, TUBING AND PLUMBING ACCESSORIES THAT ARE NOT INCORPORATED IN THE NEW LAYOUT.
- WHERE REMOVAL IS INDICATED OR IMPLIED OR NOT INCORPORATED IN THE NEW LAYOUT, THE ITEM ITSELF IS TO BE REMOVED 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, ACTUMENT AND PUMP DISCHARGE PIPING. REFER TO DIVISION I OF SPECIFICATION FOR CUTTING AND PATCHING
- 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.
- 5 ALL DEMOLISHED EQUIPMENT ETC. EXCEPT THOSE ITEMS SPECIFICALLY REQUESTED BY THE OWNER SHALL BECOME THE CONTRACTORS PROPERTY, SHALL BE REMOVED FROM THE PREMISES, AND

	EXISTING PIPING, FIXTURES, ETC. TO REMAIN
+	EXISTING PIPING, FIXTURES, ETC. TO BE REMOVED
	NEW PIPING, FIXTURES, ETC.
•	COLD WATER PIPING
• •	HOT WATER PIPING
••• <u>-</u>	HOT WATER RETURN PIPING
	PLUMBING VENT PIPING
— s —	SANITARY PIPING
— ES —	EXISTING SANITARY PIPING
— EST —	EXISTING STORM PIPING
— ST —	STORM PIPING
——EW ——	EXISTING WATER PIPING
——EG ——	EXISTING GAS PIPING
— G —	GAS PIPING
—	FLOW DIRECTION WITHIN PIPE
1	CLEANOUT
<u> </u>	CLEANOUT DECK PLATE
\longrightarrow	SHUT-OFF VALVE
	COMBINATION BALANCING & SHUT-OFF VALVE
—Ø—	CHECK VALVE
— ф—	GAS SHUT OFF COCK
	PIPE CONNS. (BOTTOM; TOP 45 OR 90; PIPE UP)
*	PLUMBING FIXTURE IDENTIFICATION
VTR	VENT THRU ROOF
EFD	EXISTING FLOOR DRAIN
FD	FLOOR DRAIN
ECO	EXISTING CLEAN OUT
CO	CLEAN OUT
G.C.	GENERAL CONTRACTOR
P.C.	PLUMBING CONTRACTOR
•	POINT OF CONNECTION
*	PART PLAN, DETAIL, SECTION NUMBER

IMPORTANT NOTICE: THE EXISTING CONDITIONS REPRESENTED HEREON ARE BASED ON THE EXISTING DRAWINGS. THEY ARE INCLUDED FOR CONTRACTORS REFERENCE ONLY. ACTUAL LOCATION OF PIPING AND UTILITIES MAY VARY IN FIELD. PIPING CONTRACTOR SHALL VERIFY LOCATIONS IN FIELD AND MAKE ALLOWANCE IN BID FOR LOCATIONS AND ARRANGEMENTS OTHER THAN SHOWN. F&D CANNOT GUARANTEE THE CORRECTNESS OF THE EXISTING CONDITIONS SHOWN AND ASSUMES NO RESPONSIBILITY THEREFORE. INCLUSION OF THESE

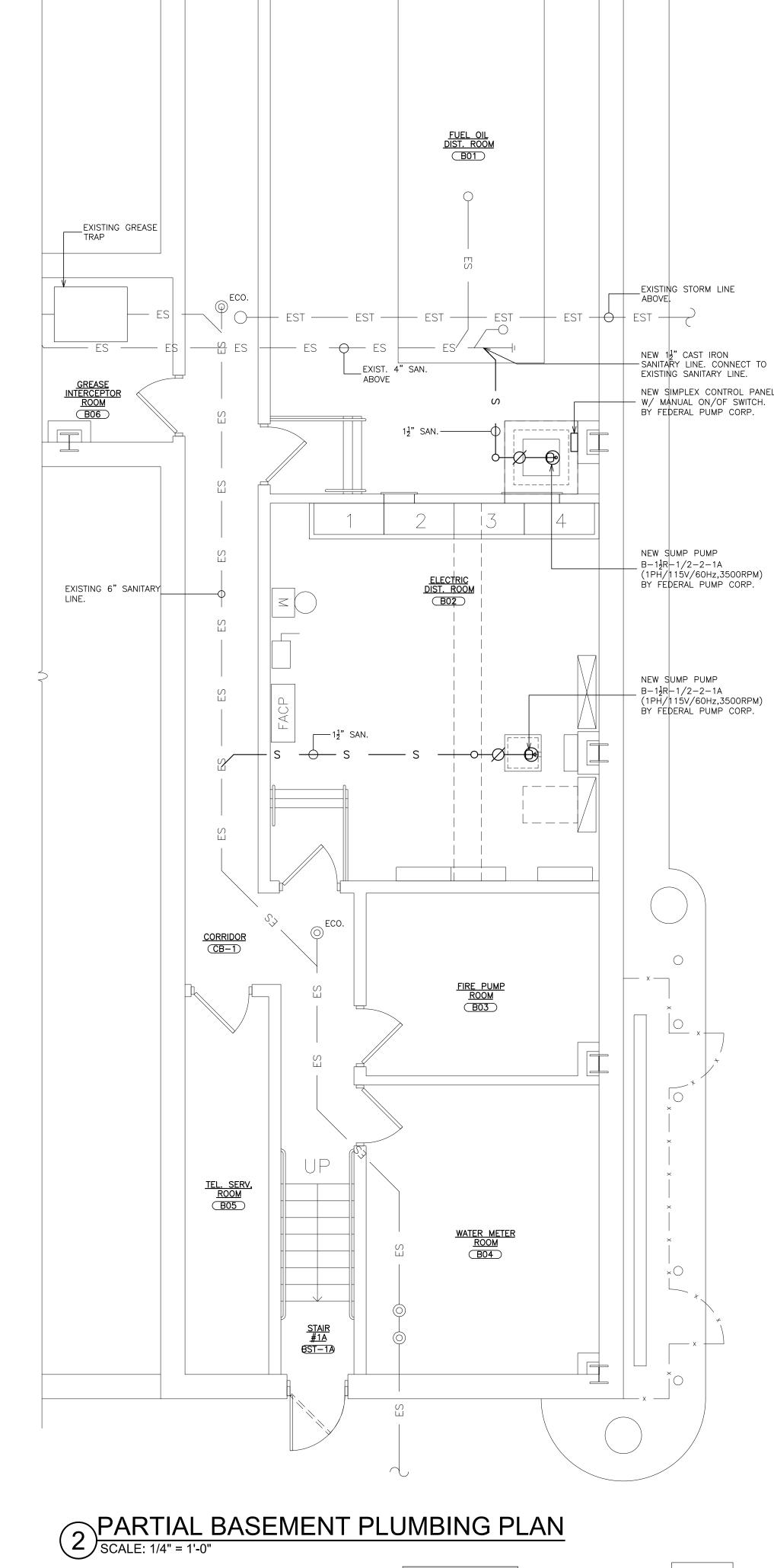
EXISTING CONDITIONS HEREON SHALL IN NO WAY ALLEVIATE THE CONTRACTOR(S)

OF THEIR RESPONSIBILITY TO VISIT THE SITE TO VERIFY ALL EXISTING CONDITIONS.



PARTIAL REMOVAL BASEMENT PLUMBING PLAN

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



AREA OF WORK ——

KEY PLAN
SCALE N.T.S.

S.E.D. CONTROL NUMBER:

66-23-00-01-0-311-003

YPS JOB # 10914 IFB-7357-A

03-05-2025 PLUMBING RE-BID

F & D FILE NO. 21429.00

DATE

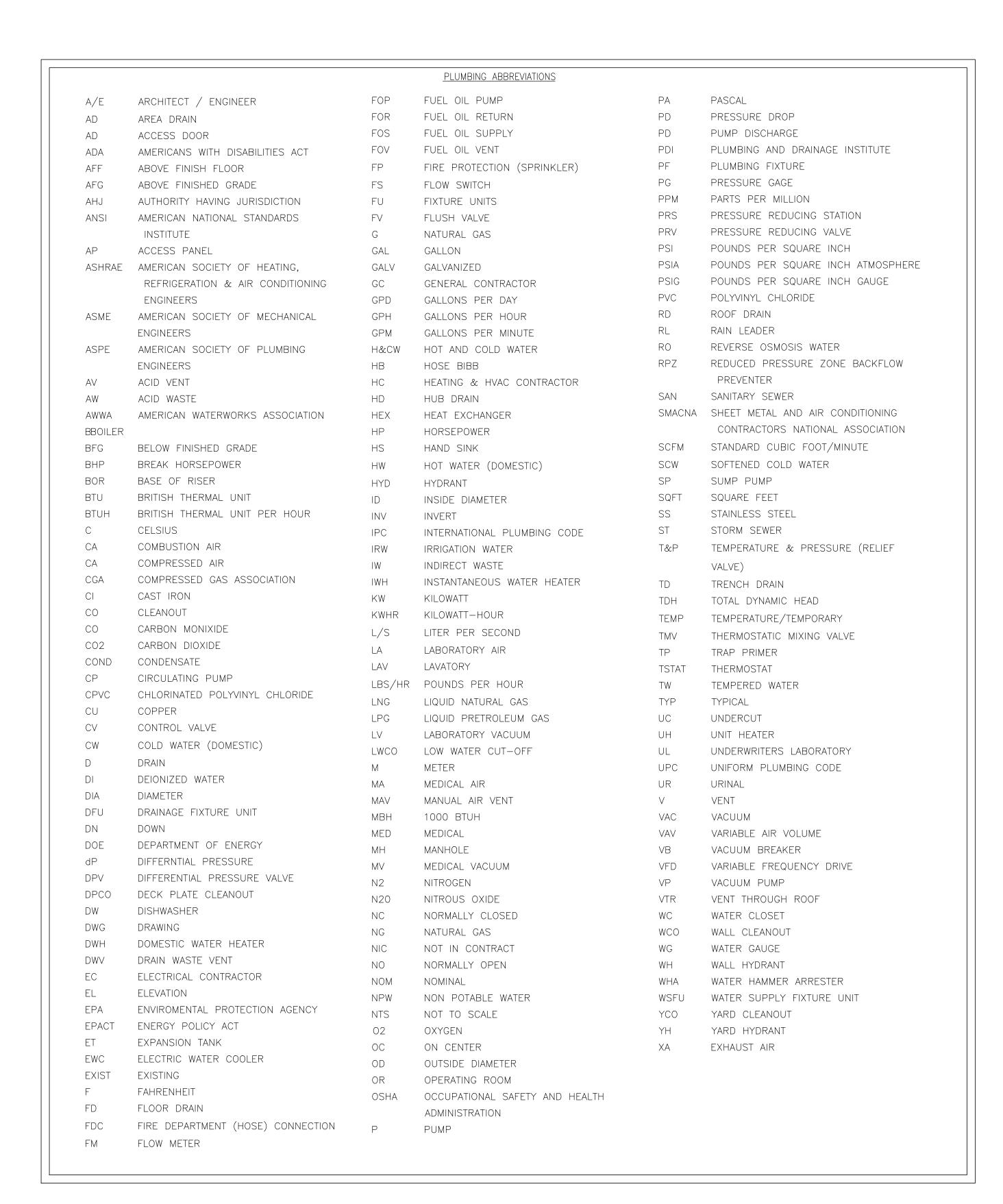
SHEET SIZE 30"x42"

AS NOTED

DRAWN BY

SED SUBMISSION

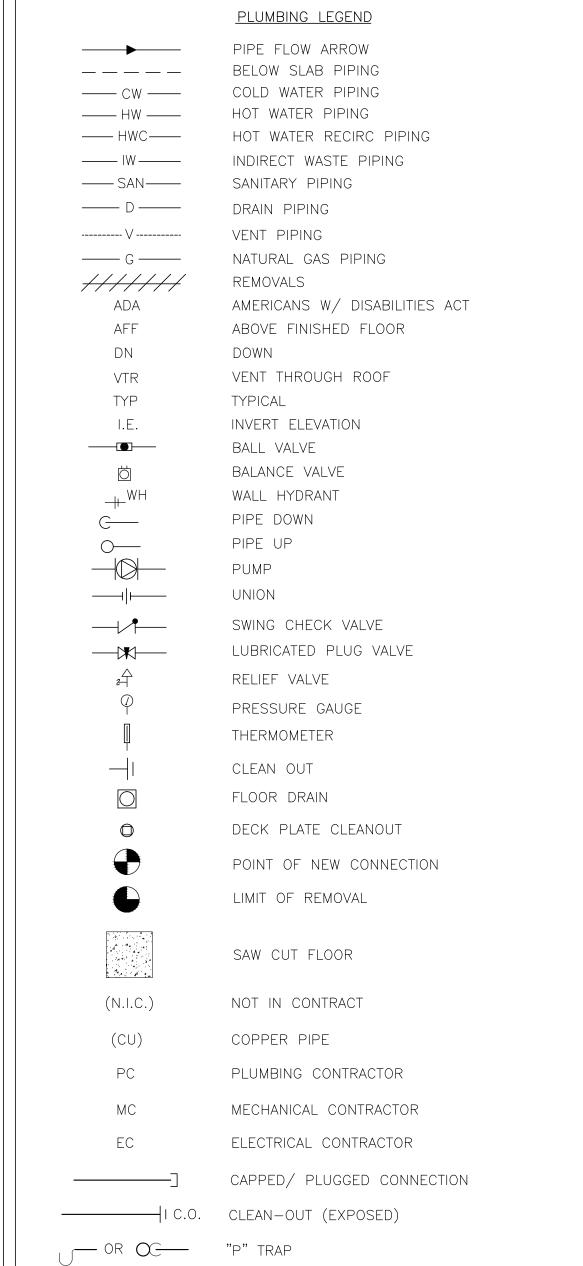
ISSUED TO



GENERAL PLUMBING NOTES:

- DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL ARRANGEMENT OF SYSTEMS AND WORK INCLUDED IN THE CONTRACT. IT IS NOT INTENDED TO SPECIFY OR SHOW EVERY OFFSET, FITTING OR COMPONENT; HOWEVER, CONTRACT DOCUMENTS REQUIRE COMPONENTS AND MATERIALS WHETHER OR NOT INDICATED OR SPECIFICALLY SPECIFIED TO MAKE THE SYSTEMS BEING INSTALLED COMPLETE, CODE COMPLIANT, TESTED AND OPERATIONAL.
- . CONTRACTOR SHALL FIELD VERIFY ALL LOCATIONS, DIMENSIONS AND ELEVATIONS PRIOR TO CONSTRUCTION.
- 3. ALL MATERIALS, EQUIPMENT, METHODS OF INSTALLATION, SHALL BE IN ACCORDANCE WITH THE STANDARDS, REGULATIONS, CODES, ORDINANCES, AND LAWS OF LOCAL, STATE, AND FEDERAL GOVERNMENTS, AND OTHER AUTHORITIES THAT HAVE LAWFUL JURISDICTION.
- 4. PERFORM WORK, PROVIDE MATERIALS AND EQUIPMENT FOR SYSTEMS SHOWN, SPECIFIED AND DESCRIBED ON DRAWINGS. COMPLETELY COORDINATE ALL TRADES OF THIS CONTRACT AND PROVIDE COMPLETE AND FULLY FUNCTIONAL INSTALLATION. ALL WORK IN THIS SET TO BE COMPLETED UNDER THIS CONTRACT, UNLESS OTHERWISE INDICATED.
- PROTECT BUILDING ELEMENTS FROM DAMAGE. CONTRACTOR SHALL RESTORE ALL DAMAGED ELEMENTS TO ORIGINAL OR BETTER CONDITION.
- 6. WORK SHALL BE EXECUTED IN A WORKMANLIKE MANNER AND SHALL PRESENT NEAT, RECTILINEAR APPEARANCE WHEN COMPLETED. MAINTAIN MAXIMUM HEAD ROOM AT ALL TIMES. DO NOT RUN PIPES, DUCTS, AND CONDUIT EXPOSED UNLESS SHOWN AND NOTED TO BE EXPOSED ON DRAWINGS.
- MATERIALS AND EQUIPMENT SHALL BE NEW AND INSTALLED ACCORDING TO MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS. MAINTAIN MANUFACTURER'S EQUIPMENT CLEARANCES.
- 8. ALL EQUIPMENT PIPING, WIRING, INSULATION ETC. INSTALLED IN HVAC AIR PLENUM SPACES SHALL MEET CODE REQUIREMENTS FOR SMOKE AND
- 9. SEAL ALL PENETRATIONS THROUGH FIRE RATED WALLS, PARTITIONS AND FLOORS WITH UL RATED MATERIALS/METHODS EQUIVALENT TO FIRE RATING OF
- 10. PROVIDE PROPER ACCESS TO EQUIPMENT THAT REQUIRES INSPECTION, REPLACEMENT OR REPAIR. ACCESS PANELS/DOORS SHALL BE A MINIMUM OF 12"X12", UNLESS OTHERWISE NOTED.
- 11. DO NOT SUPPORT EQUIPMENT FROM SUSPENDED CEILINGS. ALL SUPPORT SHALL BE FROM BUILDING STRUCTURE OR FROM CEILING SUSPENSION SYSTEM WHICH HAS BEEN REINFORCED. SUPPORTS SHALL BE SELECTED AND INSTALLED TO PROVIDE A VIBRATION FREE INSTALLATION.
- 12. CLEANING DURING PLUMBING WORK: THE MECHANICAL ROOM AND ROOMS WHERE WORK WILL BE DONE TO MINIMIZE DISTURBANCE IN THE BUILDINGS. WORKERS ARE TO USE PATHWAYS AND FACILITIES AGREED UPON WITH THE DISTRICT DESIGNEE IN WRITING. THE AREA OUTSIDE THE BUILDING WHERE CUTTING, WELDING OR STORAGE IS ALLOWED IS TO BE FENCED AT ALL TIMES. THE CONTRACTOR WILL ON A DAILY BASIS CLEAN THE GROUNDS AND THE BUILDING OF ANY DEBRIS OR GARBAGE GENERATED BY THEIR WORK.
- 13. PLUMBING CONTRACTOR IS RESPONSIBLE FOR JETTING/SNAKING ALL SANITARY WASTE LINES (ALL FLOOR DRAINS) SHOWN ON THE DRAWINGS TO BE FULLY OPERATIONAL.
- 14. PLUMBING CONTRACTOR TO PROVIDE NEW FLEXIBLE GAS LINES FOR ALL NEW EQUIPMENT. FIELD VERIFY EXISTING SIZES. PLUMBING CONTRACTOR TO PROVIDE NEW FLEXIBLE GAS LINES FOR EQUIPEMNT THAT IS TO BE REMOVED AND REINSTALLED AFTER THE INSTALLATION OF EQUIPMENT ITEMS ARE COMPLETE. FIELD VERIFY EXISTING SIZES.
- 15. CLEANING DURING PLUMBING WORK: CLEAN THE ROOMS AND AREAS OF WORK THAT WILL BE DONE TO MINIMIZE DISTURBANCE IN THE BUILDINGS. WORKERS ARE TO USE PATHWAYS AND FACILITIES AGREED UPON WITH THE DISTRICT DESIGNEE IN WRITING. THE AREA OUTSIDE THE BUILDING WHERE CUTTING WELDING OR STORAGE IS ALLOWED IS TO BE FENCED AT ALL TIMES. THE CONTRACTOR WILL ON A DAILY BASIS CLEAN THE GROUNDS AND THE BUILDING OF ANY DEBRIS OR GARBAGE GENERATED BY THEIR WORK.
- 16. WHEN MAKING CONNECTION TO EXISTING HOT AND COLD WATER PIPING THAT DO NOT HAVE ISOLATION VALVES THE FIRST OPTION FOR ISOLATION SHALL BE FREEZING THE EXISTING SUPPLIES AT AND ADJOINING THE CONNECTION POINT TO ELIMINATE THE NEED TO SHUTDOWN SERVICES OUTSIDE CONSTRUCTION AREA. THESE CONNECTIONS SHALL BE MADE BY PLUMBERS HAVING EXPERIENCE WITH THIS TYPE OF PROCEDURE. FREEZING OF SUPPLY PIPING SHALL BE ACCOMPLISHED BY USE OF PROFESSIONAL FREEZING KIT, SPECIFICALLY FOR FREEZING COPPER WATER LINES. CONTRACTOR TO SHUTDOWN SYSTEM OUTSIDE OF CONTRACT AREA AS A LAST RESORT. IN THE EVENT THAT SHUTDOWN OF SYSTEMS IS REQUIRED, CONTRACTOR SHALL COORDINATE SHUTDOWN WITH OWNERS REPRESENTATIVE. CONTRACTOR TO BE PREPARED ON SITE WITH "JET-SWET" TOOL OR SIMILAR TO STOP FLOW OF WATER AFTER SHUTDOWN IF EXISTING VALVES DO NOT HOLD. AT POINT OF CONNECTIONS THE USE OF COMPRESSION FITTINGS (PRO-FIT OR EQUAL). SHUT DOWNS MAY NEED TO BE OFF HOURS AT A THE DISCRETION OF THE OWNERS

REPRESENTATIVE.



ABBREVIATIONS

 $\mathsf{EX}-$ EXISTING EXT-EXTERIOR AC-ABOVE COUNTER NIC-NOT IN CONTRACT AFF-ABOVE FINISHED FLOOR NTS-NOT TO SCALE ELECTRICAL CONTRACTOR MC-MECHANICAL CONTRACTOR PC-PLUMBING CONTRACTOR VERIFY IN FIELD VIF-

NOTE: ABBREVATIONS MAY OR MAY NOT USE PERIODS, EXAMPLE A.F.F. OR AFF

S.E.D. CONTROL NUMBER: 66-23-00-01-0-311-003

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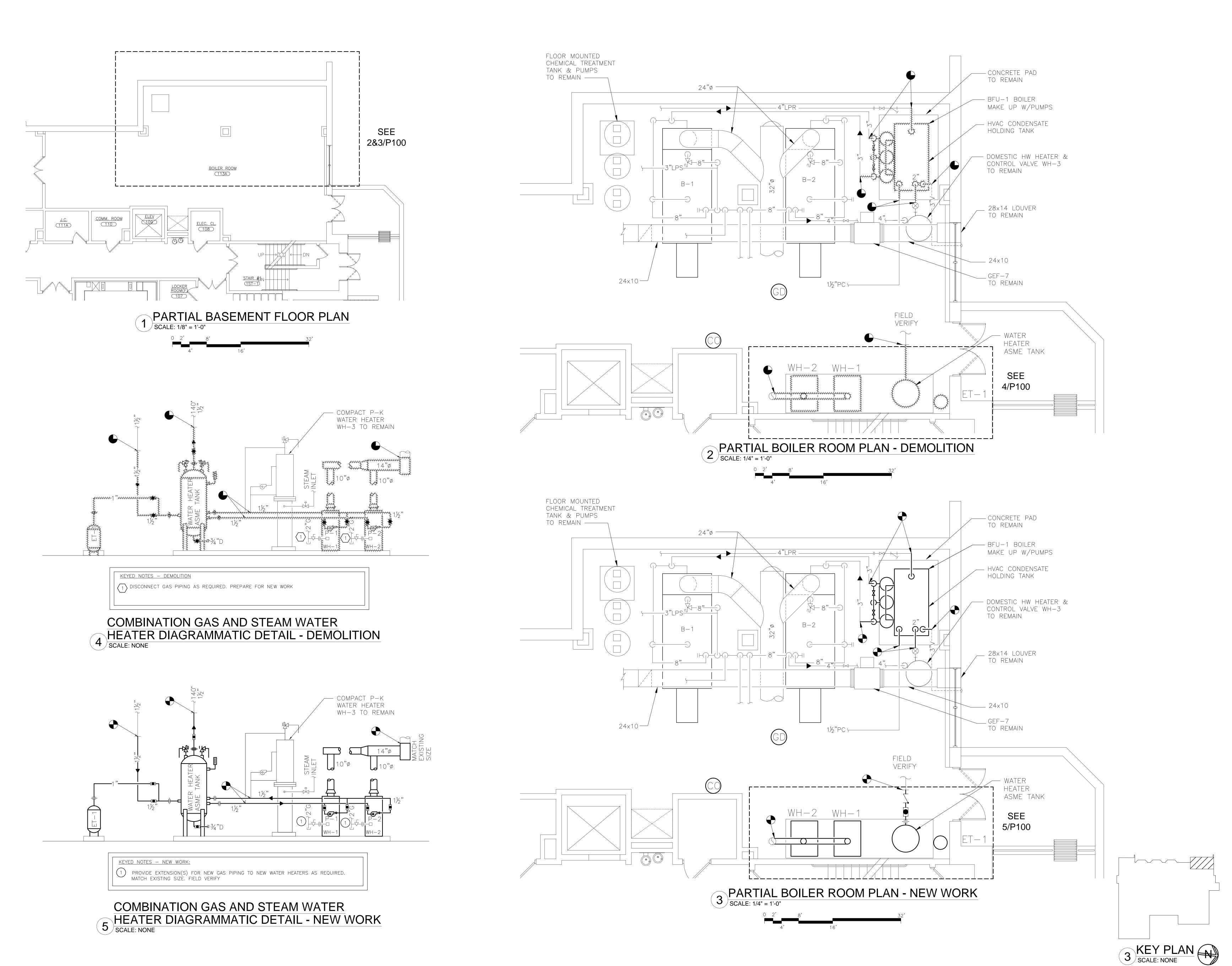
JZ

YPS JOB # 10914

30"x42" AS NOTED

21429.00

F&D



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ARCHITECTS



S.E.D. CONTROL NUMBER: 66-23-00-01-0-311-003

YPS JOB # 10914

YONKERS PUBLIC SCHOOLS CESAR E. CHAVEZ SCHOOL
WATER MITIGATION OF FUEL TANK ROOM AND
OTHER IMPROVEMENTS
20 CEDAR PLACE, YONKERS, NY 10701

DRAWING TITLE
PARTIAL FLOOR PLANS DEMOLITION & NEW
WORK

PLUMBING REBID
2023 SED SUBMISSION
E ISSUED TO

ZE 42"

CCE

DATE ISSUED TO

SHEET SIZE 30"x42"

CCE MP-100

DRAWN BY FILE NO. 21429.00

				INSUL	ATION SCH	EDULE						
TYPE	EQUIPMENT_OR	INSI	ULATION CLASS	5 (a)	JACI	THICKNESS (IN) NOMINAL PIPE SIZE (IN)						
	SYSTEM SERVED	INTERIOR CONCEALED	INTERIOR EXPOSED	EXTERIOR	INTERIOR GENERAL	EQUIPMENT ROOMS	EXTERIOR	<1"	1"-<11"	11."- <4"	4 "- <8"	≥8 & UP
	DCW, COOLING COIL	FE (R-4)			0			0.5	0.5	1.0	1.0	1.0
Α	CONDENSATE		FE (R-4)			0		0.5	0.5	1.0	1.0	1.0
В	DHW/ DHWR STORAGE TANK	FG (R-7)			1			1.5	1.5	2	2	2
	CONDENSATE TANK		FG (R-7)			1		1.5	1.5	2	2	2
	IW, SAN, CW EXTERIOR											
	, 5,, 5 2 2			FG (R-4)			2	1.5	1.5	1.5	1.5	1.5
(a)	FG FIBROUS GLASS		(b) 0 NO	DNE							
	FE FLEXIBLE ELASTO UR URETHANE	MERIC			1 — ALL SERVICE (d)BLANKET 2 — POLYVINYL CHLORIDE							
	CS CALCIUM SILICATE	Ē		3 C		(e) F	RIGID BOARD					

ALL INSULATION TO COMPLY WITH 2020 NYS ENERGY CONSERVATION CONSTRUCTION CODE

WATER HEATER SCHEDULE												
NO.	SERVING	TYPE	BTUH INPUT	GALLON CAPACITY	FUEL TYPE	GALLONS/ HOUR RECOVERY	TEMP RISE DEG F	VENT IN INCHES	DESIGN MAKE (OR APPROVED EQUAL)	REMARKS		
WH-1	BLDG	VERTICAL	399,000		NG	387	100	10"	LOCHINVAR CWN399PM	(1,2,3)		
WH-2	BLDG	VERTICAL	399,000		NG	387	100	10"	LOCHINVAR CWN399PM	(1,2,3)		

4 - - POLYVINYL CHLORIDE

REMARKS:

1. MINIMUM REQUIREMENTS OF PERFORMANCE PER INTERNATIONAL ENERGY CODE 2015 2. PROVIDE HOT WATER STORAGE TANK 400 GALLONS, 105" HIGH \times 42" DIAMETER MODEL AO SMITH TVJ-400 WITH APPURTENANCES

3. OR APPROVED EQUAL

FR — — FIRE RATED

HANT SERVICE LOCATION GPM DISCHARGE HP/EACH MOTOR NO. OF BECEIVER MODEL	
UNIT SERVICE LOCATION GPM PRESSURE RPM VOLTAGE PHASE HERTZ MOTORS GAL/SIZE MODEL	REMARKS (1)
BFU-1 B-1 & B-2 BOILER ROOM 50 30 3/1750 208 3 60 3 750 BFV-20030-2-3B 750 GALLONS	S, 48×96 RECEIVER, TRIPLEX

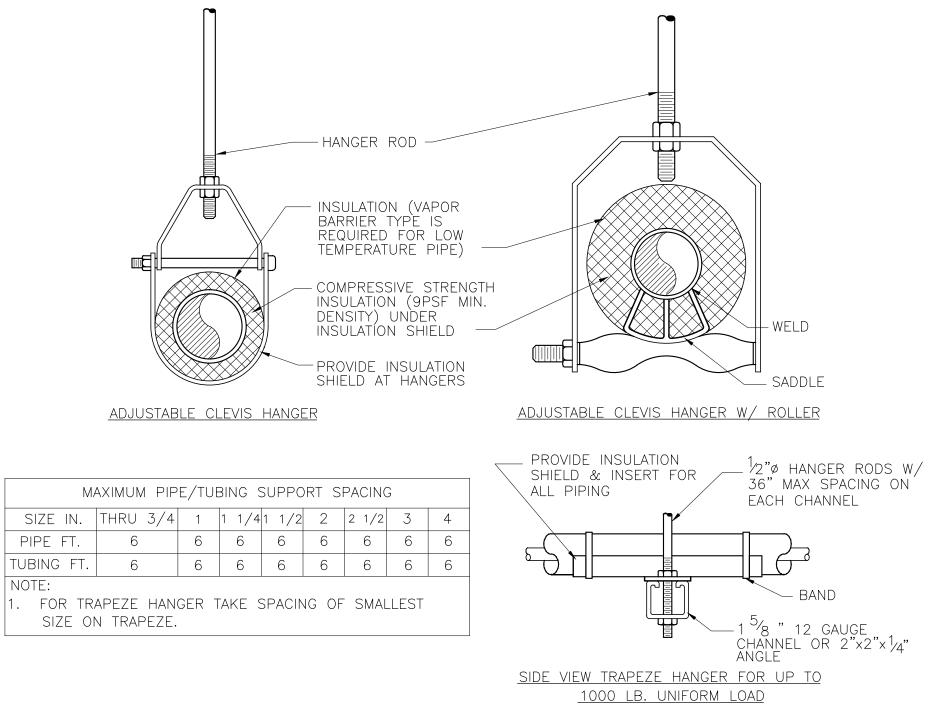
REMARKS 1. OR APPROVED EQUAL

	PUMP SCHEDULE													
UNIT				TOTAL				TOR		MANUFACTURER				
NO.	SERVICE	LOCATION	GPM	HEAD IN FT	SIZE	HP	RPM	V/PH/HZ	FLA	& MODEL	REMARKS			
P-1	CIRC LOOP	MECH. ROOM	5	12	1"	1/6	1750	115/1/60	5	B&G SERIES HV W/1" FLANGE	(1)			
P-2	CIRC LOOP	MECH. ROOM	5	12	1"	1/6	1750	115/1/60	5	B&G SERIES HV W/1" FLANGE	(1)			

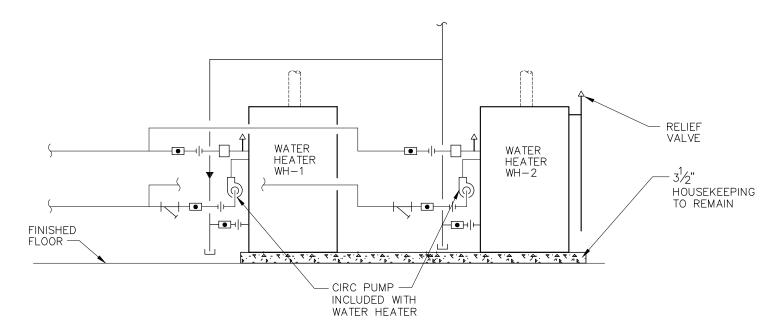
REMARKS 1. OR APPROVED EQUAL

				EXP	ANS	ION T	ANK	SCHE	EDULE				
			S'	YSTEM		PRESSUR	RE (PSI)	TAN	IK DIMENSIC	NS			
UNIT NO.	LOCATION	SERVICE	APPROX. VOLUME	MIN. TEMP.	MAX. TEMP.	INIT. TANK	RELIEF TANK	DIA.	HEIGHT	GAL.	SYSTEM CONN. SIZE	FILL PRESSURE	REMARKS
ET-1	BOILER ROOM	HW SYSTEM	36	60	200	125	87	22	32	45 GAL	1"	35 PSIG	(1)

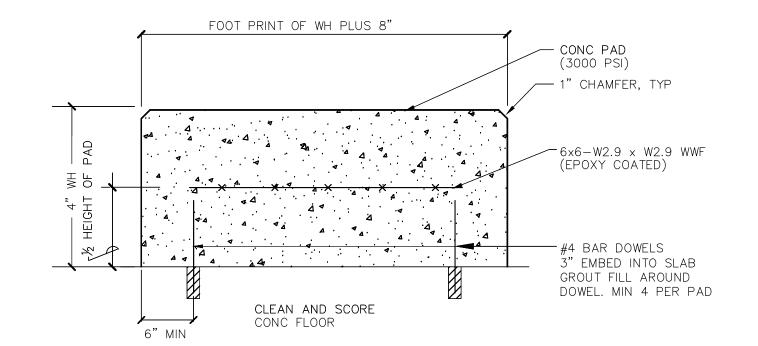
REMARKS 1. VERTICAL FLOOR MODEL AMTROL SX-90A OR APPROVED EQUAL



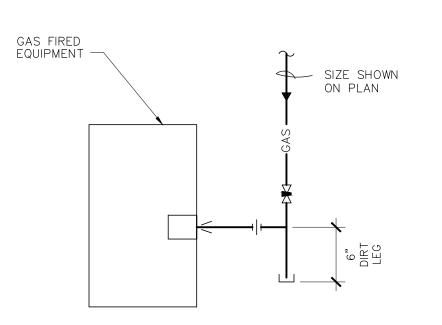
5 PIPE SUPPORT DETAIL
SCALE: NONE



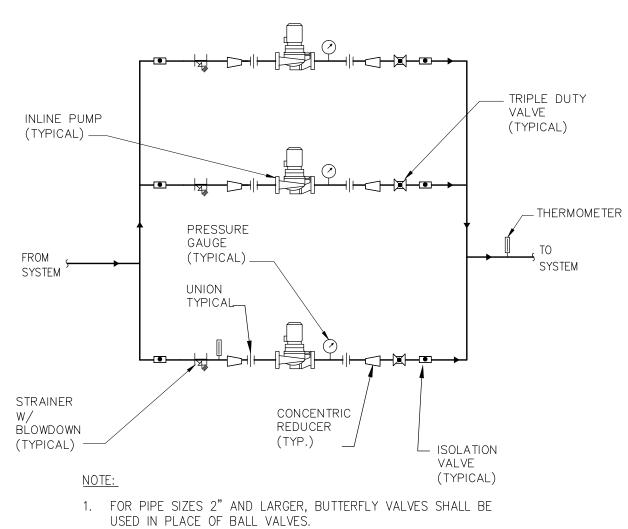
PIPING CONNECTIONS AT DOMESTIC WATER HEATERS



2 CONCRETE PAD DETAIL



TYPICAL GAS PIPING CONNECTION SCALE: NONE



 FOR PIPE SIZES 2" AND LARGER, BUTTERFLY VALVES SHALL BE USED IN PLACE OF BALL VALVES.
 PROVIDE CHECK VALVE, SHUTOFF VALVE, AND FLOW BALANCER IN PLACE OF TRIPLE DUTY VALVE, WHERE PIPE SIZE IS LESS THAN 3. INSTALLER IS RESPONSIBLE FOR INSTALLING AND SUPPORTING VERTICAL PUMP PER MANUFACTURERS RECOMMENDED INSTALLATION INSTRUCTIONS.

INLINE PUMP(S)
PIPING DETAIL
SCALE: NONE



S.E.D. CONTROL NUMBER: 66-23-00-01-0-311-003

YPS JOB # 10914

SED SUBMISSION DATE ISSUED TO SHEET SIZE 30"x42" CCE SCALE AS NOTED

F & D FILE NO. 21429.00

DRAWN BY