INSULATED.

2. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING OF WALLS, FLOORS AND CEILINGS AS REQUIRED FOR INSTALLATION OF HIS WORK.

3. THIS CONTRACTOR SHALL FURNISH AND INSTALL ACCESS PANELS AS REQUIRED WHERE ACCESSIBILITY TO COMPONENTS (VALVES, TRAPS, CLEANOUTS, ETC.) IS REQUIRED FOR MAINTENANCE AND/OR SYSTEM

4. ALL PENETRATIONS THROUGH FIRE RATED PARTITIONS SHALL BE SEALED FIRE AND SMOKE TIGHT WITH AN APPROPRIATE U.L. LISTED FIRESTOPPING MATERIAL AND OR SYSTEM.

5. ALL PENETRATIONS THROUGH FOUNDATIONS AND EXTERIOR WALLS SHALL BE SEALED WITH EDPM OR EDPM RUBBER GASKET AND SEALED WITH A WATERPROOF, NON-HARDENING SEALANT.

6. FURNISH AND INSTALL UNDER SINK PROTECTIVE PIPE COVER KITS ON EXPOSED PIPING AT ALL ADA ACCESSIBLE SINKS AND

7. COORDINATE FIXTURE ROUGH-INS AND INSTALLATIONS WITH THE ARCHITECTURAL PLANS.

8. ALL EXPOSED DOMESTIC WATER DISTRIBUTION PIPING IS TO BE

9. PROVIDE SHUT-OFF VALVES AT ALL BRANCH PIPING TAKE-OFFS (UNO) AND AT ALL CONNECTIONS TO EQUIPMENT. PROVIDE UNIONS AT ALL EQUIPMENT CONNECTIONS.

10. PROVIDE DRAINS WITH HOSE ADAPTERS AND CAPS ON PIPING AT ALL LOW POINTS. PROVIDE MANUAL VENTS ON PIPING AT ALL HIGH

11. COORDINATE ELECTRICAL CHARACTERISTICS AND REQUIREMENTS OF ALL MECHANICAL EQUIPMENT WITH ELECTRICAL CONTRACTOR.

12. ALL REQUIRED MOTOR STARTERS SHALL BE FURNISHED BY THIS CONTRACTOR AND INSTALLED BY THE E.C.

13. ALL REQUIRED CONTROL EQUIPMENT AND WIRING SHALL BE FURNISHED & INSTALLED BY THIS CONTRACTOR.

CONCRETE SLAB. FLOOR FINISH WORK BY G.C.

14. WHERE INSTALLATION OR REMOVAL OF BELOW-SLAB PIPING IS INDICATED IN EXISTING CONCRETE SLAB, THIS CONTRACTOR SHALL SAW-CUT AND EXCAVATE THE EXISTING SLAB AS REQUIRED. UPON COMPLETION OF WORK, THIS CONTRACTOR SHALL PATCH THE

15. THE TERMS "PROVIDE" OR "FURNISH", AS USED ON THESE PLANS, INDICATE THAT THE CONTRACTOR IS TO FURNISH AND INSTALL THE REFERENCED EQUIPMENT OR SYSTEMS IN THEIR ENTIRETY AS REQUIRED FOR A COMPLETE AND OPERABLE SYSTEM.

16. CONTRACTOR SHALL PROVIDE ALL COMPONENTS INDICATED ON DETAIL SHEETS, PLANS, SPECIFICATIONS AND ALL PERTINENT EQUIPMENT REQUIRED FOR A COMPLETE AND WORKABLE SYSTEM.

17. CONTRACT CLOSE OUT: IN THE PRESENCE OF THE OWNER, ENGINEER OR ARCHITECT; DEMONSTRATING OPERATION OF SYSTEMS AND THAT ALL SPECIFICATIONS HAVE BEEN MET TO THE SATISFACTION OF ALL

18. IT IS THE INTENTION THAT THESE SPECIFICATIONS, AND DRAWINGS ACCOMPANYING SAME, SHALL PROVIDE FOR THE FURNISHING AND INSTALLING OF THE () SYSTEMS COMPLETE AS SPECIFIED AND SHOWN. ANY WORK SHOWN ON THE DRAWINGS AND NOT PARTICULARLY DESCRIBED IN THE SPECIFICATIONS OR VICE VERSA. OR ANY WORK CHANGES WHICH MAY BE EVIDENTLY NECESSARY TO COMPLETE THE INSTALLATION SHALL BE FURNISHED BY THIS CONTRACTOR.

19. IT IS THE INTENT AND PURPOSE OF THESE SPECIFICATIONS AND DRAWINGS TO INCLUDE AND PROVIDE FOR ALL MATERIALS, APPLIANCES AND LABOR TO PROPERLY COMPLETE AND LEAVE IN PERFECT WORKING CONDITION THE ENTIRE SYSTEM HEREINAFTER SPECIFIED. ANY MATERIAL, LABOR OR APPLIANCE NOT SPECIFICALLY MENTIONED IN THESE SPECIFICATIONS OR SHOWN ON THE DRAWINGS, BUT NECESSARY FOR A COMPLETE INSTALLATION MUST BE FURNISHED BY THIS CONTRACTOR.

20. IT IS THE INTENT OF THESE PLANS AND SPECIFICATIONS TO PROVIDE ALTERATIONS AND/OR NEW CONSTRUCTION AS INDICATED ON THE DRAWINGS AND IN THE SPECIFICATIONS TO PROVIDE COMPLETE NEW SYSTEMS IN EVERY RESPECT, CAPABLE OF OPERATING AS DESIGNED. IT IS NOT INTENDED THAT EVERY FITTING, MINOR DETAIL OR FEATURE BE SHOWN ON DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DETAIL NECESSARY FOR COMPLETION OF THESE SYSTEMS IN ACCORDANCE WITH GOOD PRACTICE.

PLUMBING DEMOLITION NOTES:

1. COORDINATE WITH ARCHITECTURAL PLANS FOR EXACT AREAS TO BE DEMOLISHED.

2. REMOVE ALL EQUIPMENT AND PIPING AS INDICATED ON PLAN. REMOVALS SHALL INCLUDE ALL FITTINGS, SUPPORTS AND HANGERS.

3. ANY DISCREPANCIES BETWEEN THE DEMOLITION PLANS AND ACTUAL FIELD CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT OR ENGINEER. ANY DEMOLITION WORK WHICH MAY BE QUESTIONABLE DUE TO UNFORESEEN FIELD CONDITIONS SHALL NOT BE REMOVED UNTIL REVIEWED BY THE ARCHITECT, ENGINEER OR BUILDING FACILITIES MANAGER.

4. DEMOLITION WORK SHALL INCLUDE THE PREPARATION OF EXISTING EQUIPMENT OR PIPING FOR CONNECTION TO NEW WORK. COORDINATE DEMOLITION WORK WITH THE CONSTRUCTION PLANS.

5. ALL EQUIPMENT REMOVALS SHALL BECOME THE PROPERTY OF THIS CONTRACTOR. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER REMOVAL AND DISPOSAL OF DEMOLITION ITEMS OFF-SITE, UNLESS OTHERWISE NOTED.

6. ALL CUTTING AND PATCHING NECESSARY FOR THE DEMOLITION WORK SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR.

7. IT SHALL BE THE OWNER'S RESPONSIBILITY TO REMOVE ANY LOOSE EQUIPMENT, FURNITURE, SUPPLIES, ETC. THAT MAY BE LOCATED IN THE AREA OF WORK.

8. THE PLANS ARE INTENDED TO CONVEY THE EXTENT AND SCOPE OF THE DEMOLITION WORK. EVERY ITEM INTENDED FOR REMOVAL MAY NOT BE SHOWN. THE CONTRACTOR IS ADVISED TO SURVEY THE PROJECT SITE BEFORE SUBMITTING A BID FOR DEMOLITION WORK.

GENERAL PLUMBING NOTES:

1. KITCHEN FIXTURES ONLY SHALL BE SERVED WITH (140°F) HOT WATER. (120°F) HOT WATER WILL SERVE HAND WASHING FIXTURES IN KITCHEN.

2. ALL OTHER AREAS SHALL BE SERVED WITH (110°F) HOT WATER. MAXIMUM OUTLET TEMPERATURE FOR ANY FIXTURE (EXCEPT THOSE IN KITCHEN) SHALL BE SET @ 100°F.

3. DRAIN PIPING SHOWN ON PLANS SHALL BE INSTALLED BELOW THE FLOOR SHOWN (BELOW SLAB OR ABOVE CEILING OF LOWER FLOOR AS APPROPRIATE) UNLESS OTHERWISE NOTED.

4. ALL PLUMBING SUPPLY & VENT PIPING SHOWN SHALL BE INSTALLED IN THE CEILING OF THE FLOOR PLAN SHOWN, UNLESS OTHERWISE

5. PLUMBING CONTRACTOR IS RESPONSIBLE FOR OWN CUTTING & PATCHING AS REQUIRED. FINISHING SHALL BE BY GENERAL CONTRACTOR.

6. INSTALL SECTIONALIZING VALVES AT ALL MAIN 'T' ON DOMESTIC HOT & COLD WATER SERVICE.

7. VENT PIPING UNDER SLABS SHALL BE A MINIMUM OF 2".

8. WASTE PIPING UNDER SLABS SHALL BE A MINIMUM OF 3". 9. ALL PLUMBING FIXTURES AND TRIM SHALL BE IN ACCORDANCE WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL CODES, AS WELL AS

10. INSTALL CONDENSATION CONTROL INSULATION: MINIMUM 1"-INCH

THICK FOR ALL PIPE SIZES. A. COOLING COIL CONDENSATION PIPING TO WASTE PIPING FIXTURE OR INLET. (COORDINATE W/ MECHANICAL

B. PLUMBING PIPING AS FOLLOWS:

CONTRACTOR).

ALL ADA AND ANSI-A-117.1 REQUIREMENTS.

a. BODY OF ROOF DRAINS AND STORM PIPE OF HORIZONTAL & VERTICAL RUNS, & OFFSETS (INCLUDING ELBOWS) OF INTERIOR DOWN SPOUT PIPING IN ALL

b. WASTE PIPING FROM ELECTRIC WATER COOLERS TO

DRAINAGE SYSTEM. c. WASTE PIPING LOCATED ABOVE BASEMENT FLOOR FROM AIR HANDLING UNITS, FROM FIXTURE (INCLUDING TRAP) TO MAIN VERTICAL WASTE PIPE. (COORDINATE W/ MECHANICAL CONTRACTOR).

d. COLD WATER PIPING. 11. HOT & HOT WATER RETURN PIPING SHALL BE INSULATED PER

CONSTRUCTION CODE. 12. PLUMBING CONTRACTOR SHALL REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF ROOF DRAINS AND FOR ADDITIONAL ROOF DRAIN WORK NOT SHOWN ON PLUMBING DRAWING.

WRITTEN SPECIFICATIONS AND NYS ENERGY CONSERVATION

13. UNLESS OTHERWISE NOTED, ALL VALVES 2"0 & SMALLER SHALL BE QUARTER-TURN BALL VALVES AND ALL VALVES 2½" & LARGER SHALL BE GATE VALVES. ALL VALVES SHALL BE OF FULL-PORT

14. PLUMBING CONTRACTOR SHALL OBTAIN ALL PERMITS REQUIRED & PAY ALL FEES.

15. ALL PENETRATIONS THROUGH FIRE RATED PARTITIONS SHALL BE SEALED FIRE AND SMOKE TIGHT WITH AN APPROPRIATE U.L. LISTED FIRESTOPPING MATERIAL AND OR SYSTEM.

KITCHEN PLUMBING NOTES:

1. EQUIPMENT SUPPLIED BY A VENDOR OTHER THAN THE KITCHEN EQUIPMENT CONTRACTOR SHALL HAVE ALL PLUMBING, ELECTRICAL, AND HVAC MECHANICAL CONNECTIONS VERIFIED PRIOR TO CONSTRUCTION.

2. ALL ROUGH-INS MUST BE MADE IN ACCORDANCE WITH ALL APPLICABLE STATE & LOCAL CODES.

3. REFER TO EQUIPMENT SPECIFICATIONS BOOKLET FOR ADDITIONAL INFORMATION ON SUPPLIED KITCHEN EQUIPMENT.

4. ALL ROUGH-INS AND FINAL CONNECTIONS TO BE FURNISHED AND INSTALLED BY PLUMBING CONTRACTOR.

5. GAS MAIN TO KITCHEN AREA REQUIRES A ELECTRIC-ACTUATED GAS SHUT OFF SOLENOID VALVE TO BE SUPPLIED & INSTALLED BY THE PLUMBING CONTRACTOR UNLESS OTHERWISE NOTED.

6. KITCHEN EQUIPMENT CONTRACTOR TO FURNISH GAS COOKING EQUIPMENT WITH PRESSURE REGULATORS & ALL OTHER APPURTENANCES REQUIRED PER MANUFACTURERS SPECIFICATIONS AND LOCAL CODES.

7. ALL INDIRECT DRAINS LINES ARE TO BE PIPED TO FLOOR DRAINS BY PLUMBING CONTRACTOR AND AIR GAPPED AS PER CODE.

8. PLUMBING CONTRACTOR TO FURNISH AND INSTALL HOT AND COLD WATER LINE CHECK VALVES AT ALL SPRAY SYSTEM UNIT MIXING VALVES.

9. KITCHEN EQUIPMENT TO BE PROVIDED & SET IN PLACE BY KITCHEN CONTRACTOR. ALL ROUGH-INS FINAL CONNECTIONS BY PLUMBING CONTRACTOR. COORDINATE WITH KITCHEN CONTRACTOR FOR EXACT LOCATIONS.

BY KITCHEN EQUIPMENT CONTRACTOR TO BE INSTALLED BY THE PLUMBING CONTRACTOR.

10. ALL FAUCETS FOR FOOD SERVICE EQUIPMENT FURNISHED

11. SEE DWG'S A-401 & A-401-2 FOR ENLARGED KITCHEN LAYOUT PLANS, DETAILS, NOTES & MORE INFORMATION.

12. ALL APPURTENANCES AND SPECIALTIES REQUIRED FOR KITCHEN EQUIPMENT (GAS PRESSURE REGULATORS, WATER PRESSURE REDUCING VALVES, ETC.) TO BE FURNISHED BY KITCHEN EQUIPMENT CONTRACTOR AND INSTALLED BY PLUMBING CONTRACTOR.

GAS PIPING NOTES:

1. PLACEMENT OF GAS TRANSMISSION AND DISTRIBUTION LINES WITHIN CERTAIN DISTANCES OF SCHOOL BUILDINGS IS REGULATED BY THE PUBLIC SERVICE COMMISSION CODES, RULES & REGULATIONS NYCRR PART 255 AND BY THE FEDERAL DEPARTMENT OF TRANSPORTATION, PART 192.

2. GAS PRESSURE WITHIN BUILDING SHALL NOT EXCEED 1/2 PSIG. PRIOR TO CONNECTION TO GAS SERVICE. ALL INDOOR ABOVE GROUND GAS PIPING (NOT COATED OR WRAPPED) SHALL BE TESTED WITH AIR PRESSURE AT 15 PSIG FOR A PERIOD OF 1 HOUR WITH NO LOSS IN PRESSURE. ALL COATED OR WRAPPED GAS PIPING SHALL BE TESTED W/AIR PRESSURE AT 100 PSIG FOR A MINIMUM OF 1 HOUR WITH NO LOSS IN PRESSURE.

3. COORDINATE INSTALLATION AND FINAL CONNECTION OF GAS LINES WITH KITCHEN CONTRACTOR & G.C.

4. ALL GAS PIPING SHALL BE IN ACCORDANCE WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL CODES, AS WELL AS NFPA-54.

5. RELIEF VALVES AND NORMALLY OPEN VENT VALVES SHALL BE VENTED DIRECTLY AND INDEPENDENTLY TO THE OUTDOORS.

6. PRESSURE REGULATING & OVER PRESSURE PROTECTION DEVICES LOCATED OUTSIDE SCHOOL BUILDINGS SHALL ENCLOSED IN A CABINET OR FENCED OUTSIDE AREA OF DURABLE STRUCTURAL MATERIALS WHICH WILL WITHSTAND ANY LOADS TO WHICH THEY MAY BE SUBJECTED.

7. ALL GAS PIPING 3"ø & LARGER SHALL HAVE WELDED FITTINGS & CONNECTIONS. ALL GAS PIPING 21/2" & SMALLER SHALL HAVE GAS-TIGHT THREADED CONNECTIONS w/ THREAD SEALANT APPROVED FOR NATURAL GAS SERVICE.

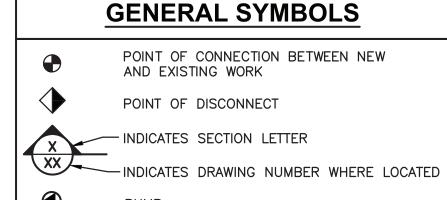
8. ALL GAS PIPING PASSING THROUGH MASONRY WALLS SHALL BE SLEEVED w/ SCH. 80 PVC.

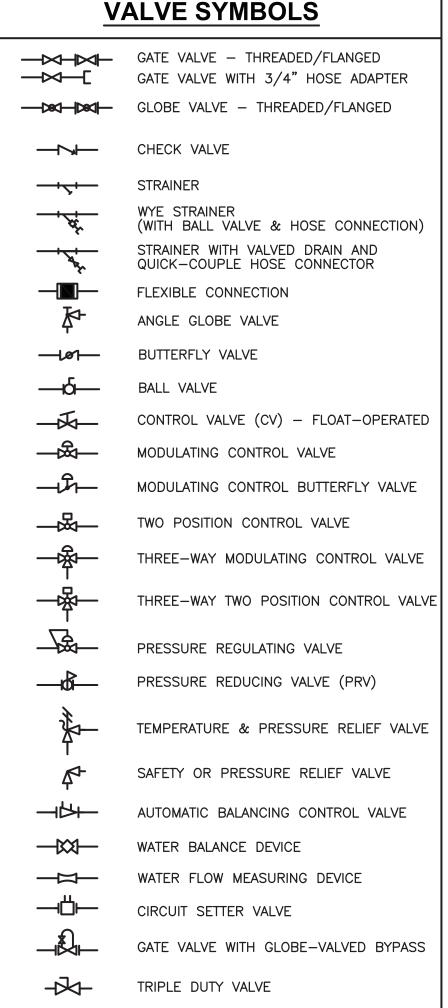
9. COORDINATE INSTALLATION OF GAS PIPING w/ALL OTHER

TRADES PRIOR TO INSTALLATION.

PIPING SYMBOLS → DIRECTION OF FLOW ANCHOR — PIPE GUIDE ECCENTRIC REDUCER TOP CONNECTION, 45° OR 90° BOTTOM CONNECTION, 45° OR 90° — SIDE CONNECTION — CAPPED OUTLET PIPE DOWN TURN PIPE RISE ———— UNION DIRECTION OF PIPE PITCH (DOWN)

PLUMBING LINE TYPES -/-/-/-/-/- EXISTING TO BE REMOVED EXISTING TO REMAIN —···— ··· — HOT WATER RETURN ————————— INDIRECT WASTE STORM LINE ----- VENT PIPE





WATER LEVEL CONTROLLER

COMBINATION BALANCING AND

TEST PLUG (PRESSURE/TEMPERATURE)

2292.100

0355.012

MSB2424

ENLZS8WS

Z1170

Z1750

LEGEND AND SCHEDULE OF PLUMBING EQUIPMENT

FLOW METER

PLUG VALVE

AMERICAN

STANDARD

AMERICAN

STANDARD

FIAT

ELKAY

ZURN

ZURN

ZURN

ZURN

 $-\overline{\nabla}$

SYMBOL

WC-1

LV-1

MS-1

⊕ FD

FCO

SHUT-OFF VALVE

LUBRICATED PLUG VALVE

MANUFACTURER | CATALOG #

			ABBREVIATIONS
٦		Α	MEDICAL AIR
1		ACT	ACOUSTIC CEILING TILE
1		AD	ACCESS DOOR
1		AFF	ABOVE FINISHED FLOOR
1		AP	ACCESS PANEL
1		AW	ACID WASTE PIPE
1		BTUH	BRITISH THERMAL UNITS/HOUR
1		CLG	CEILING
1		CO	CLEAN OUT
1		CP CW	CONDENSATE PUMP DOMESTIC COLD WATER
1		DIA	DIAMETER
1		D	DRAIN
1		DN	DOWN
1		DP	DIFFERENTIAL PRESSURE
1		E.C.	ELECTRICAL CONTRACTOR
1		ECC	ENGINEERING CONTROL CENTER
1		EMD	
		ET	EXPANSION TANK
		EUH	ELECTRIC UNIT HEATER
		EXIST	EXISTING
		FC	FLEXIBLE CONNECTION
		FCO	FLOOR CLEAN OUT
		FD	FLOOR DRAIN
		FLR.	FLOOR
		FPC	
		G.C.	GENERAL CONTRACTOR
		GPH GPM	GALLONS PER HOUR GALLONS PER MINUTE
		G.SAN	"GREASE LADEN" SANITARY DRAINAGE PIPE
		H.C.	HVAC CONTRACTOR
Ε		HP	HORSE POWER
		HTWR	
		HTWS	` ,
		HW	DOMESTIC HOT WATER PIPE (120°F)
		HWR	DOMESTIC HOT WATER RETURN PIPE (120°F)
		IW	INDIRECT WASTE
		LBS/HR	POUNDS PER HOUR
		LF	POUNDS PER HOUR LINEAR FEET MAXIMUM
			ONE THOUSAND BTUH
		MER	
		MIN. MV	MINIMUM MEDICAL MACHILIM
		NOM.	
		NOM.	OXYGEN
		P	
		P.C.	PLUMBING CONTRACTOR
		PD	PRESSURE DROP (FEET OF WATER)
		PRV	· · · · · · · · · · · · · · · · · · ·
		PSI	POUNDS PER SQUARE IN.
		SAN	SANITARY DRAINAGE PIPE
		S.S.	STAINLESS STEEL
		ST	STORM DRAINAGE PIPE
		UH	
		U.N.O.	
		V	
		VI	
		VIF	
		VTR	
		WCO WF	
		WF WFM	
		WH	WATER HEATER
1	'		

DESCRIPTION

"CADET" ELONGATED 1.6 GPF PRESSURE ASSISTED TOILET: VITREOUS CHINA,

CAPS, "SPEED CONNECT" TANK/BOWL COUPLING SYSTEM, FLUSHES ON 1.6

GALS. ADA COMPLIANT FOR ELEMENTARY STUDENTS. COLOR WHITE. SUPPLY W/ #5311.012 SEAT WITH COVER. COLOR TO MATCH TOILET. ADA COMPLIANT.

ELONGATED SIPHON ACTION 14" HIGH BOWL, CLOSE COUPLED TANK, 2 BOLT

"LUCERNE" WALL HUNG LAV: VITREOUS CHINA, FRONT OVERFLOW,

LAVATORY FAUCET (MODEL #S-60-GH) GRID DRAIN, TAILPIECE, SUPPLY

MOLDED STONE MOP SINK BASIN. 24"x24" C/W GRID STRAINER, 2"

GREASE INTERCEPTOR. SIZE 800 W/ 3" INLET/OUTLET. 100 LBS.

AND ANTI-SPLASH STAINLESS STEEL INTERIOR DOME STRAINER.

Z-415-V | FLOOR DRAIN: DURA-COATED CAST IRON BODY WITH BOTTOM OUTLET,

12"X12"X6" DEEP, 16 GAUGE, STAINLESS STEEL LIGHT-DUTY SANI-FLOR

RECEPTOR WITH NON-TILT, LOOSE SET FULL GRATE WITH 1/2" SQUARE OPENINGS

COMBINATION INVERTIBLE MEMBRANE CLAMP AND ADJUSTABLE COLLAR WITH TYPE "H" POLISHED, NICKEL BRONZE STRAINER WITH FLASHING CLAMP DEVICE,

"LEVEL-TROL" ADJUSTABLE FLOOR CLEANOUT: DURA-COATED CAST IRON BODY,

POLISHED NICKEL BRONZE TOP ADJUSTABLE TO FINISHED FLOOR. SIZE TO

GAS AND WATERTIGHT ABS TAPERED THREAD PLUG. ROUND SCORIATED

OUTLET. SUPPLY WITH MODEL #A880 WALL SERVICE FAUCET AND ALL

FAUCET HOLES ON 4 CENTERS. SUPPLY WITH SYMMONS "SCOT"

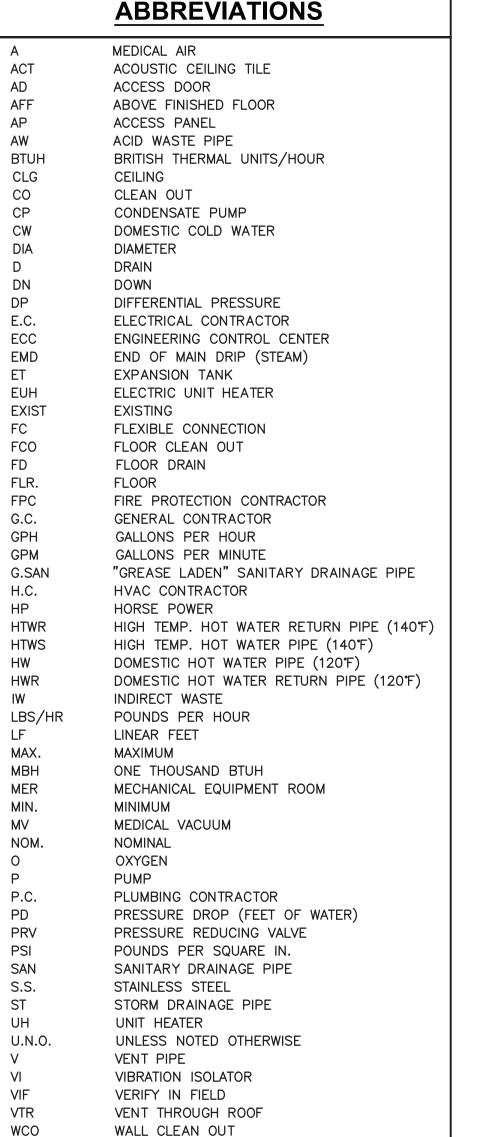
NECESSARY HARDWARE FOR A COMPLETE INSTALLATION.

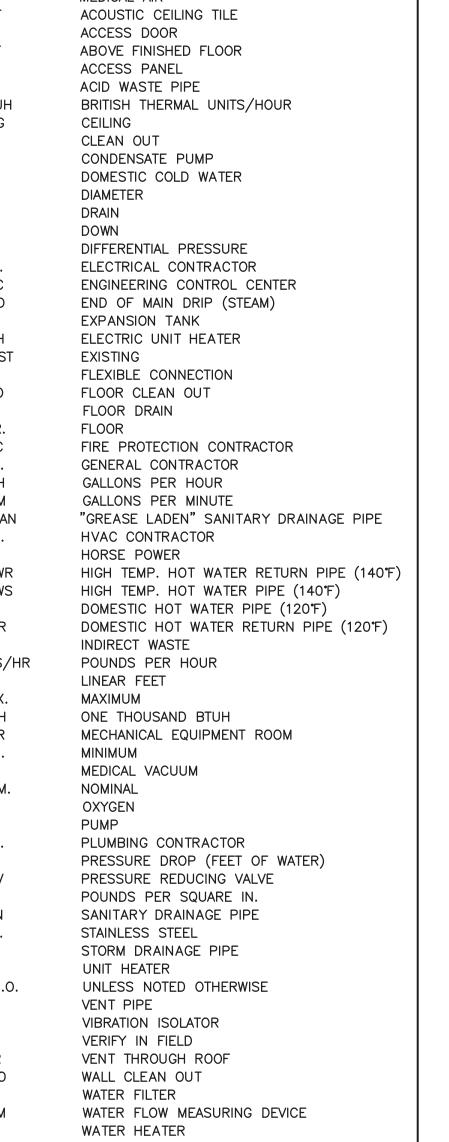
STOPS AND FITTINGS. COLOR WHITE.

LZ SERIES WATER FOUNTAIN.

3" OUTLET. BACKWATER VALVE.

GREASE CAPACITY.





LEGEND 12/29/21 FOR BID No. | Date | Revisions

GREENWOOD LAKE

UNION FREE

SCHOOL DISTRICT

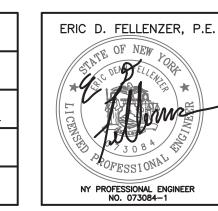
SED PROJECT NUMBER

44-21-11-02-0-002-015

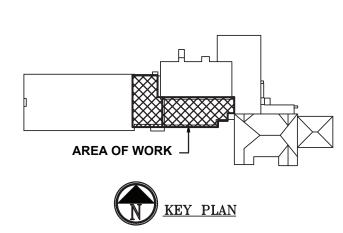
CAPITAL IMPROVEMENTS

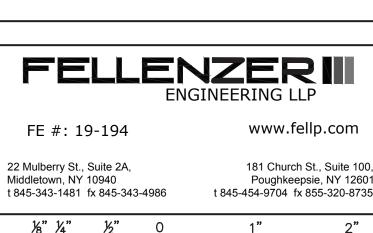
UNAUTHORIZED ALTERATION OR ADDITION TO A PLAN BEARING A LICENSED PROFESSIONAL ENGINEER'S SEAL IS A VIOLATION OF SECTION 7209, SUB-DIVISION 2 OF THE N.Y. STATE EDUCATION LAW.

Checked by Project No. FE# 19-194 AS NOTED 1-8-21



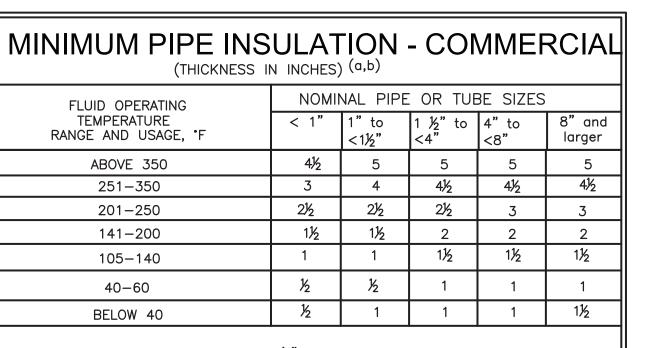
GREENWOOD LAKE UNION FREE SCHOOL DISTRICT GREENWOOD LAKE ELEMENTARY SCHOOL





PLUMBING SYMBOLS, NOTES, **AND ABBREVIATIONS**

P-001



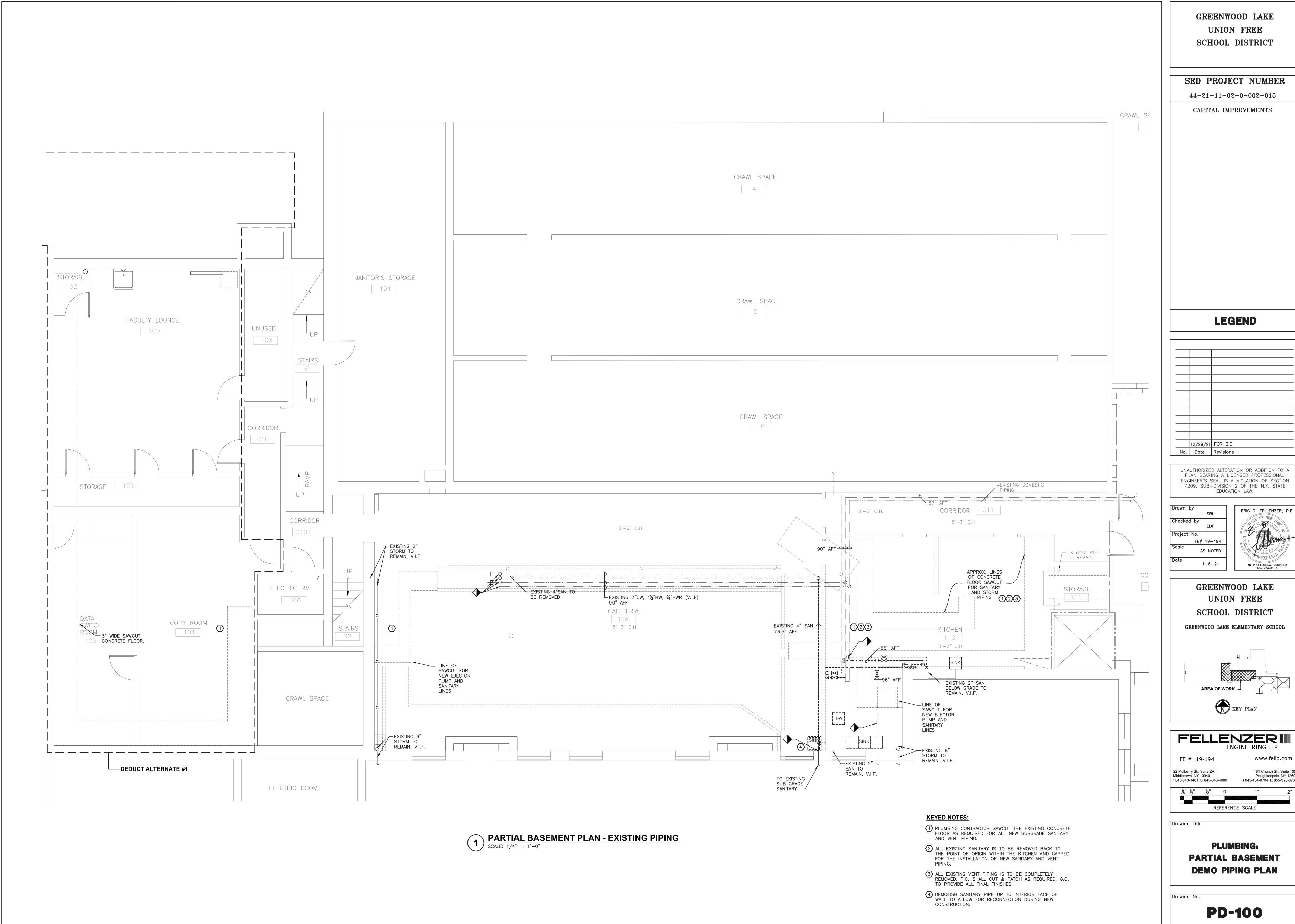
a. FOR PIPING SMALLER THAN 11/2" AND LOCATED IN PARTITIONS WITHIN CONDITIONED SPACES, REDUCTION OF THESE THICKNESSES BY 1 INCH SHALL BE PERMITTED BUT NOT TO A THICKNESS LESS b. FOR DIRECT-BURIED HEATING AND HOT WATER SYSTEM PIPING.

REDUCTION OF THESE THICKNESSES BY 1½" SHALL BE PERMITTED

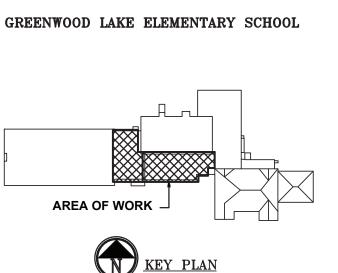
BUT NOT TO THICKNESSES LESS THAN 1".

					⊤ WCO	ZURN	N Z-	TA	ALL CLEANOUT: DURA—(PERED THREAD PLUG, OVER WITH SECURING S	ROUND SMOOTH STA	AINLESS STEEL WA			
					DI EV OFINA	NE E 150705								
				SIM	PLEX SEWAG	SE EJECTOR	PUMP SCHED	<u>ULE</u>						
				GENERA	AL DATA					ELECTRICAL DATA				
TAG	MANUFACTURER	MODEL NO.	DISCHARGE SIZE	TOTAL DYNAMIC HEAD	FLOWRATE	MOTOR HP	PUMP HOUSING	MODE	WEIGHT	VOLTAGE/PHASE/ FREQ	I AMPERAGE I			
SE-1	ZOELLER PUMP COMPANY	BN264	2" NPT	12'	40 GPM	4/10	CAST IRON	AUTOMAT	TIC 40 LBS.	115/1/60	9.4			
SE-2	ZOELLER PUMP COMPANY	BN267	3" NPT	13'	60 GPM	1/2	CAST IRON	AUTOMAT	TIC 47.5 LBS.	115/1/60	10.4			
				SIM	PLEX SEWAG	E EJECTOR	BASIN SCHED	<u>ULE</u>						
					CENEDAL DATA									

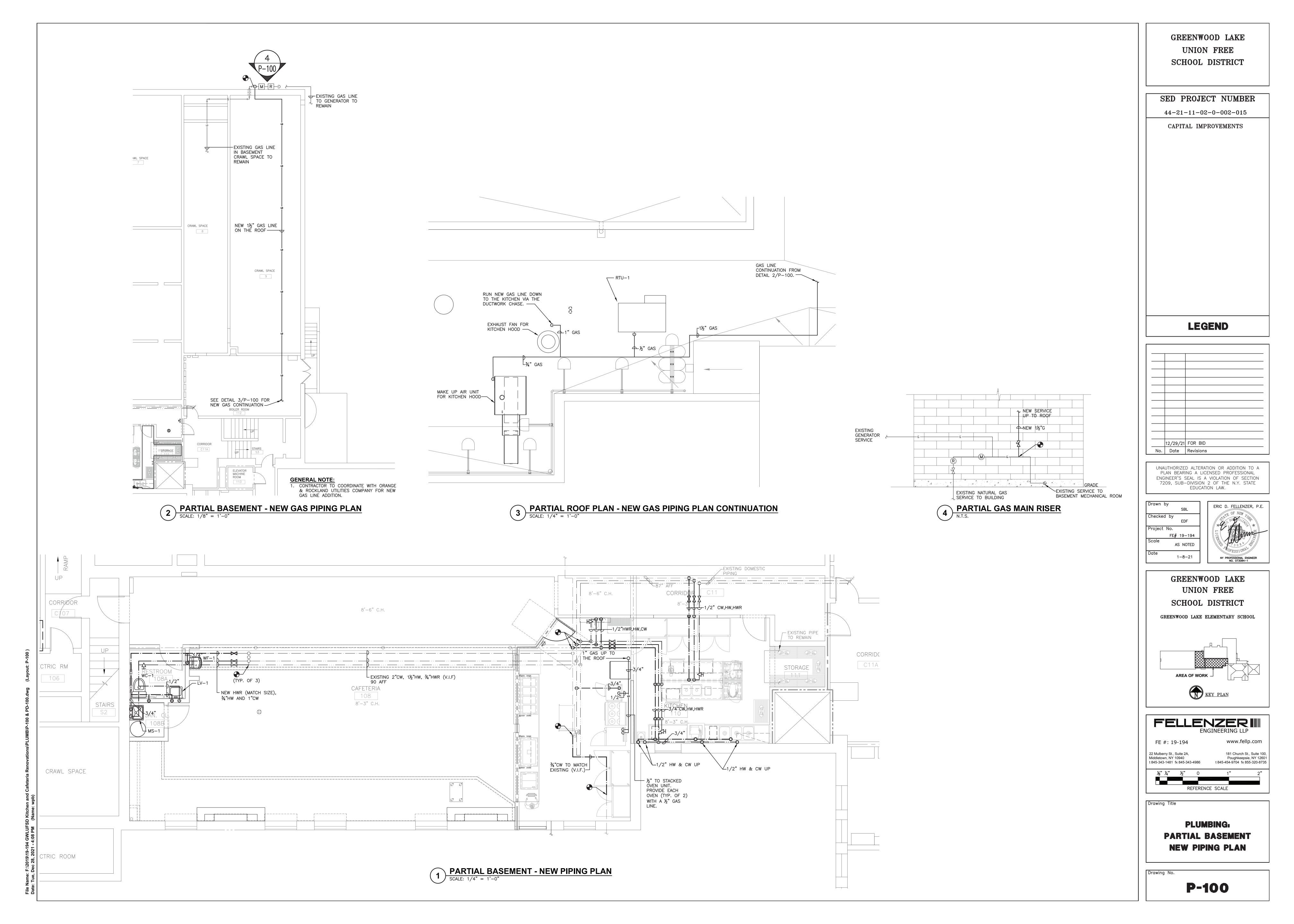
SE-Z	COMPANY	BIN207	3" NPT	13	60 GPIVI	1/2	CASTIRON	AUTOMATIC	47.5 LBS.	115/1/60	10.4		
	SIMPLEX SEWAGE EJECTOR BASIN SCHEDULE												
GENERAL DATA											REMARKS		
TAG	MANUFACTURER	MODEL NO.	DISCHARGE SIZE	VENT DISCHARGE	BASIN SIZE	BASIN MATERIAL	BASIN CAPACITY	COVER STYLE	INLET SIZE	INLET TYPE	I (LIVI)	ANNO	
SB-1	ZOELLER PUMP COMPANY	31-0027	2"	3"	24" x 30"	FIBERGLASS	60 GALLONS	STEEL	4"	CAST IRON	-		
SB-2	ZOELLER PUMP COMPANY	31-1103	3"	3"	24" x 36"	POLY STRUCTURAL FOAM	72 GALLONS	SOLID FIBERGLASS	4"	СОМВО НИВ	-		
		<u> </u>				<u> </u>	<u> </u>			<u> </u>			

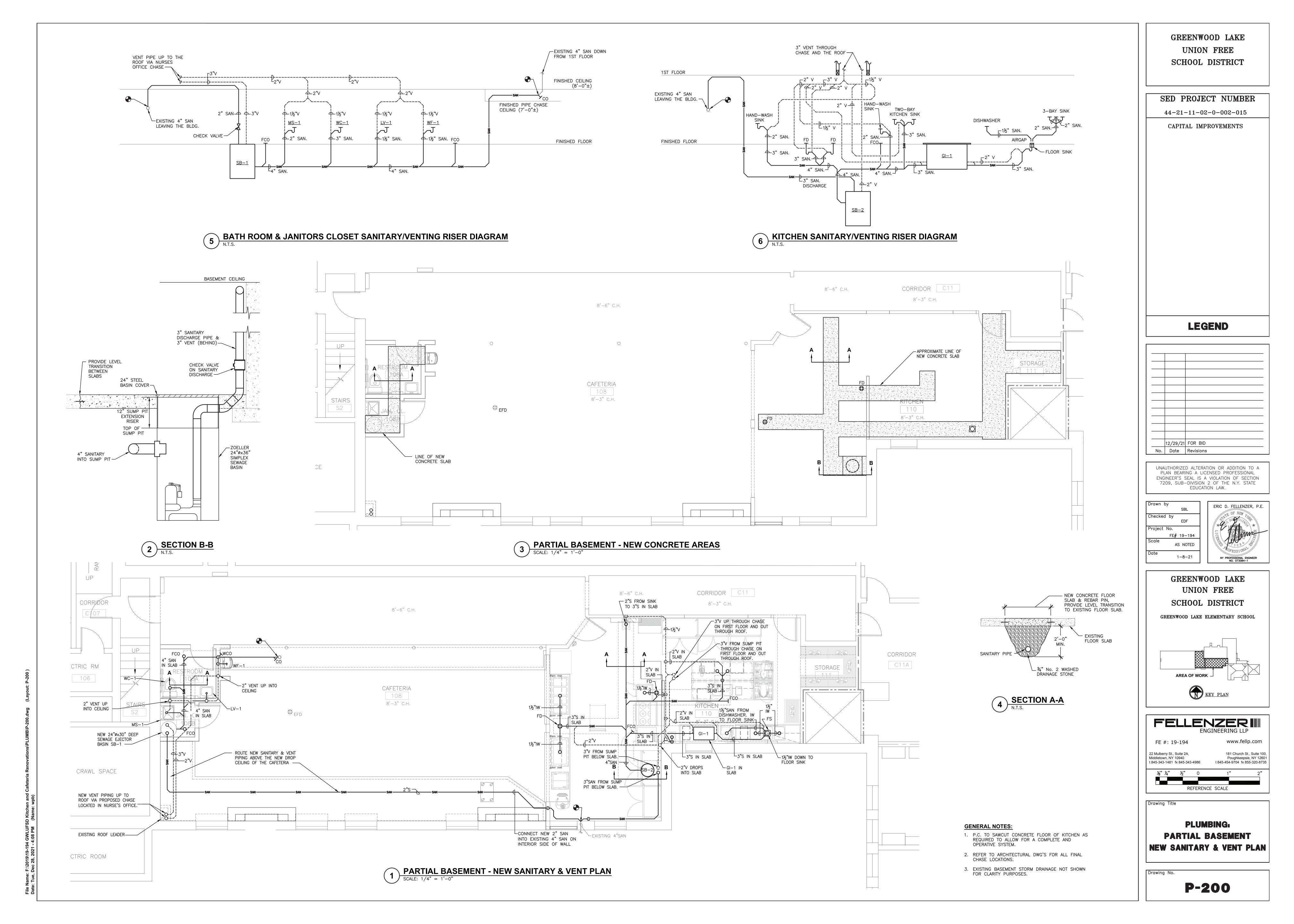


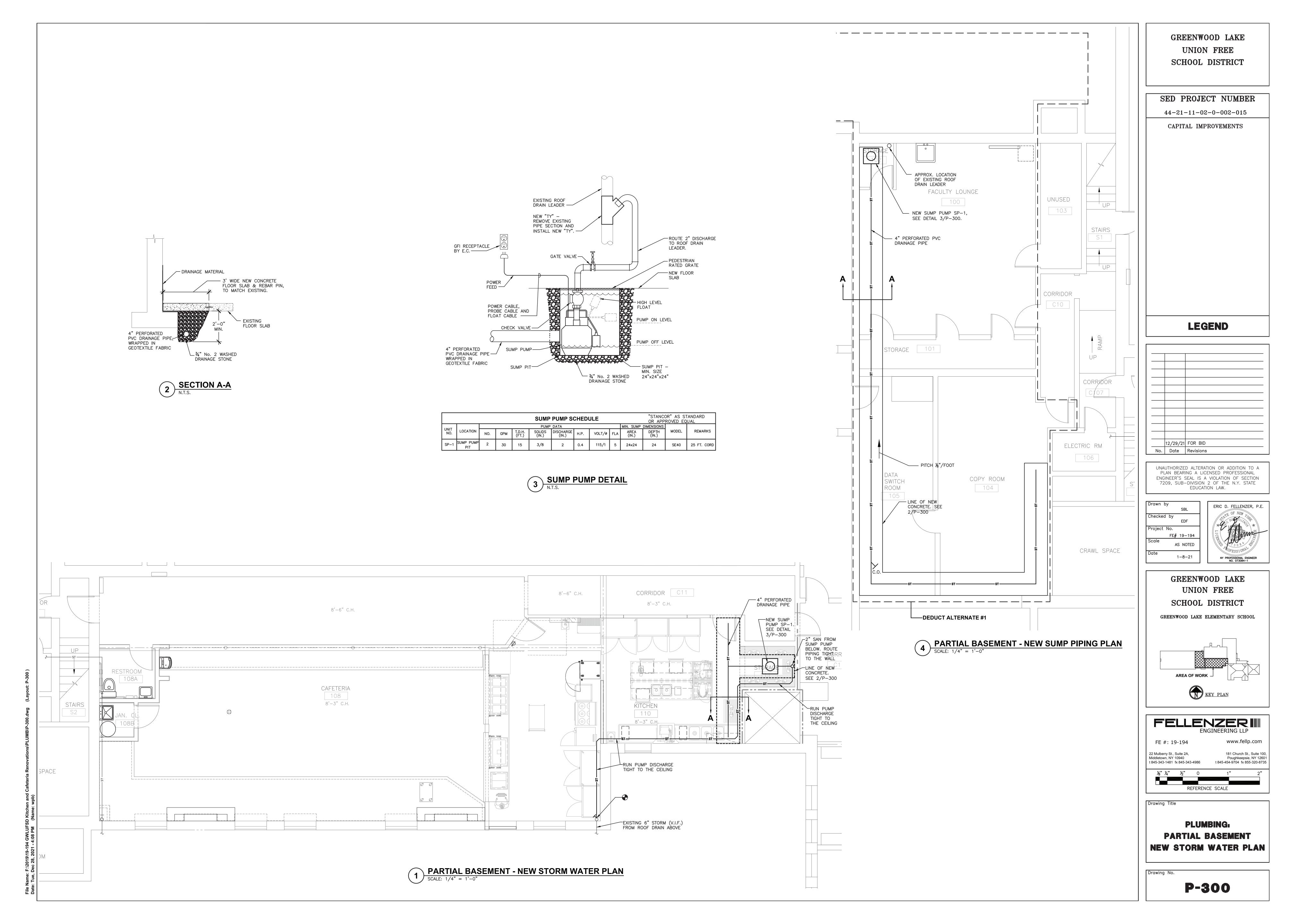
UNAUTHORIZED ALTERATION OR ADDITION TO A PLAN BEARING A LICENSED PROFESSIONAL



www.fellp.com 181 Church St., Suite 100, Poughkeepsie, NY 12601 t 845-454-9704 fx 855-320-8735 ½" ¼" ½" 0 1" 2"







OVER 10"	OVER 250		32"	800	,	3½"	89		
SE	ERVICE			(GROUND OI LOR BAND	IDENTIFICATION MARKER				
DOMESTIC C	OLD WATER			GREEN	WHITE ON GREEN				
DOMESTIC H	OT WATER			YELLOW	BLACK ON YELLOW				
DOMESTIC H	OT WATER RET	TURN		YELLOW	BLACK ON YELLOW				
NATURAL GA	S		YELLOW	BLACK ON YELLOW					
SANITARY DE	RAIN			GREEN		WHITE ON GREEN			

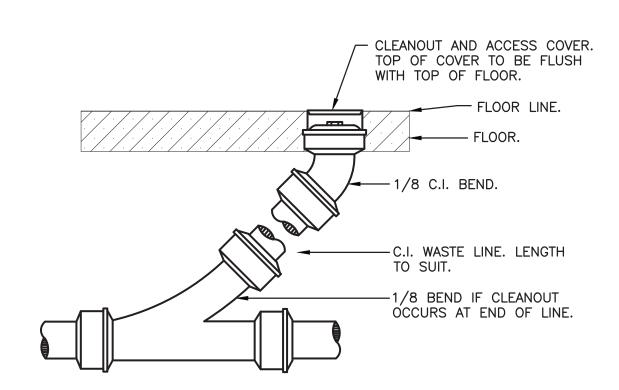
SIZE OF

LETTERS

MM

32

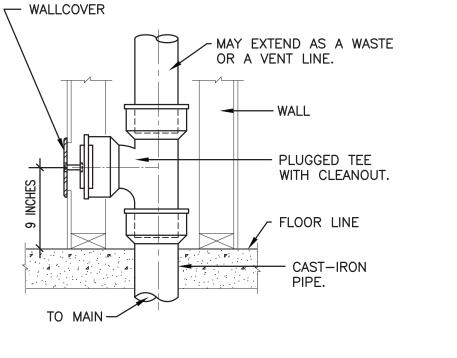
TYPICAL PIPE IDENTIFICATION DETAIL

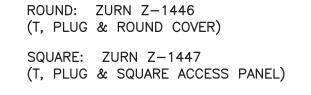


PLOOR CLEANOUT

N.T.S.

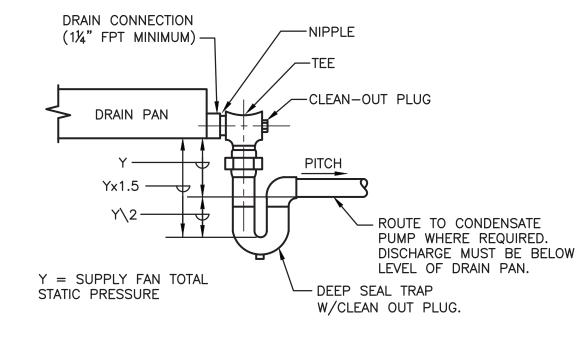






WALL CLEANOUT DETAIL

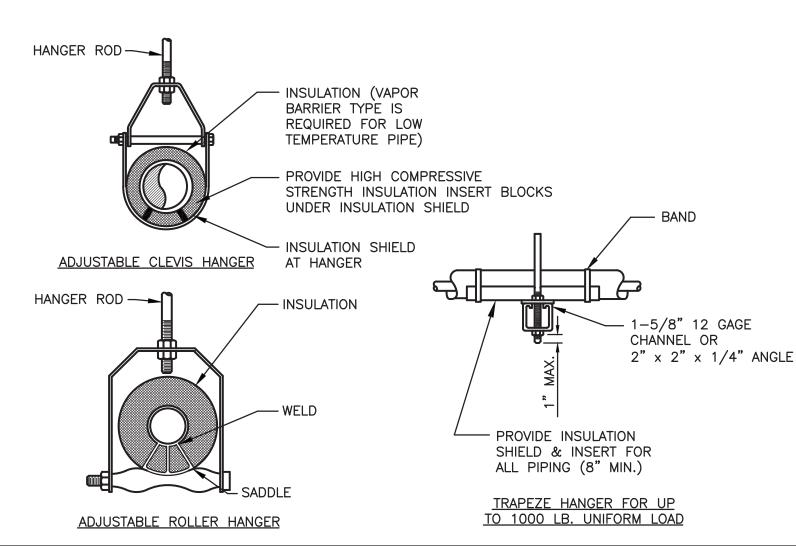
N.T.S.



ALLOW SUFFICIENT SPACE BELOW DRAIN PAN FOR TRAP. PITCH DRAIN FOR PROPER RUN-OFF. 3. MANUALLY PRIME FILL TRAP BEFORE START-UP TO FORM INITIAL DRAIN SEAL. 4. SUPPORT LENGTHY DRAIN LINES TO PREVENT SAG AND CONDENSATE

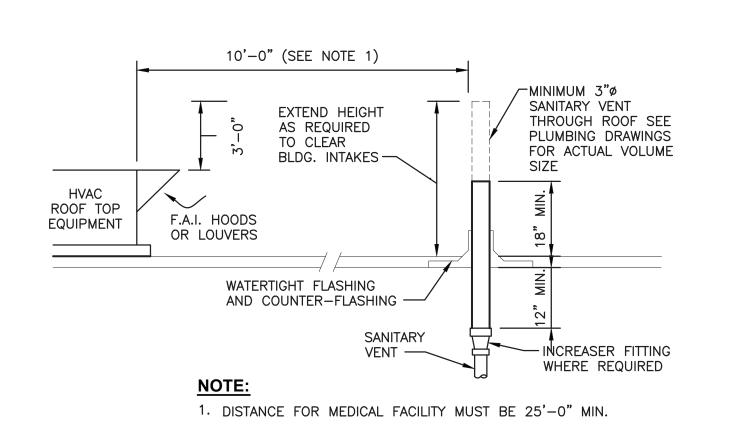
	CONDENSATE DRAIN DETAIL
(4)	NITS

OVERFLOW.

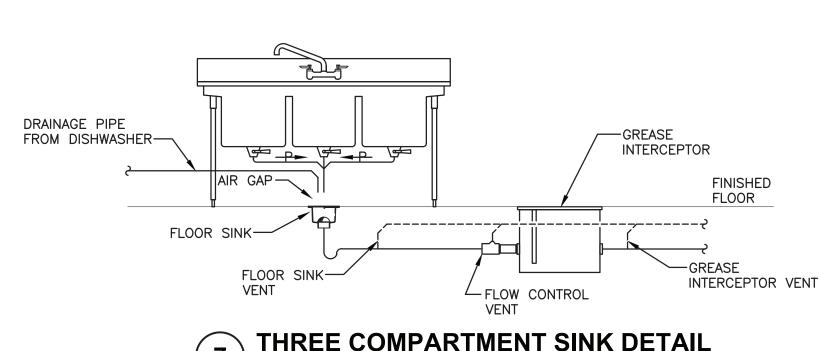


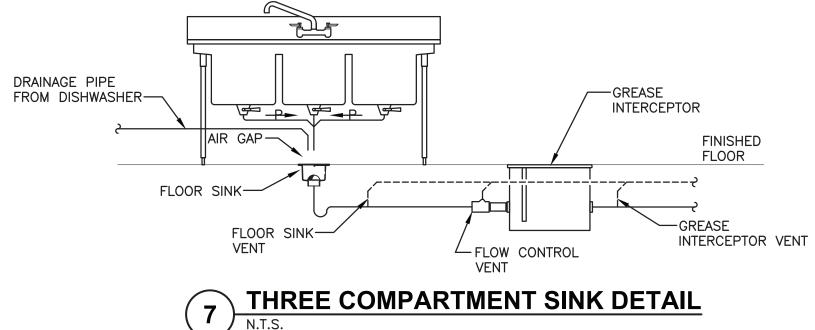
INDIVIDUAL PIPE HANGER ROD & SPACING SCHEDULE											
NOMINAL PIPE DIAMETER (IN.)	3/4	1	1 1/2	2	2 1/2	3	4	5	6	_	
HANGER ROD SIZE (IN.)	3/8	3/8	3/8	3/8	1/2	1/2	5/8	5/8	7/8		
	MAXIMUM SUPPORT SPACING (FT.)										
STEEL PIPE	6	7	9	10	11	12	14	16	17	_	
COPPER TUBE	6	6	8	9	10	10	12	14	14	_	
NOTE: TRAPEZE HANGER SPACING SHALL BE BASED ON SPACING OF SMALLEST PIPE ON TRAPEZE. TRAPEZE SHALL BE DESIGNED WITH A FACTOR OF SAFETY OF 5 FOR CENTER OF SPAN CONCENTRATED LOAD											

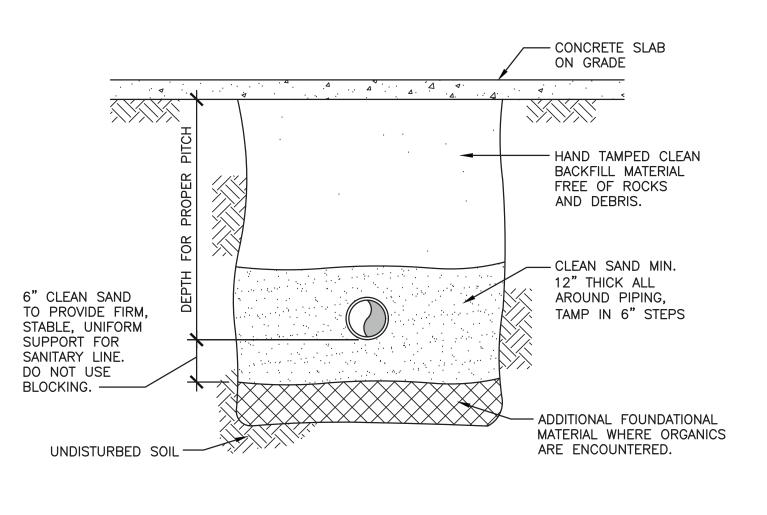
TYPICAL PIPE HANGERS



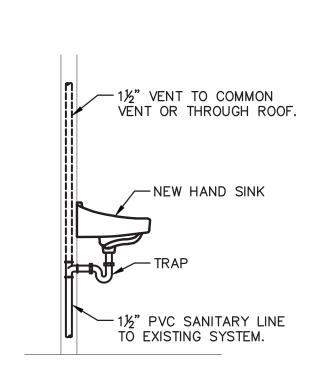
6 SANITARY VENT TERMINATION
N.T.S.



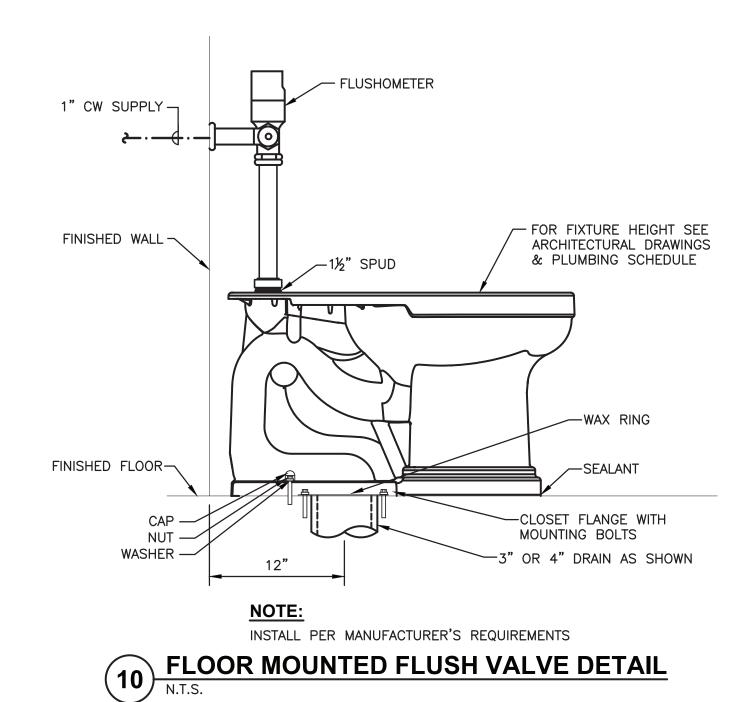


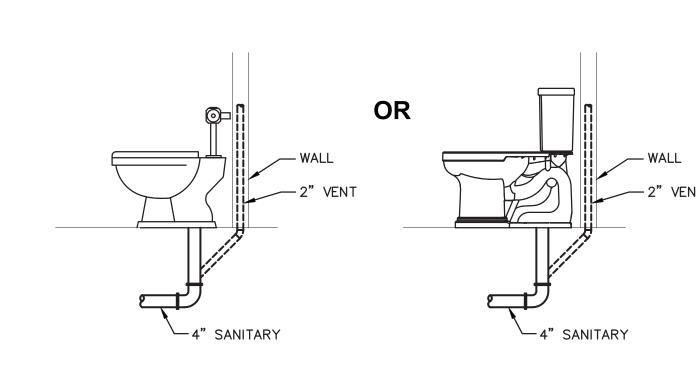


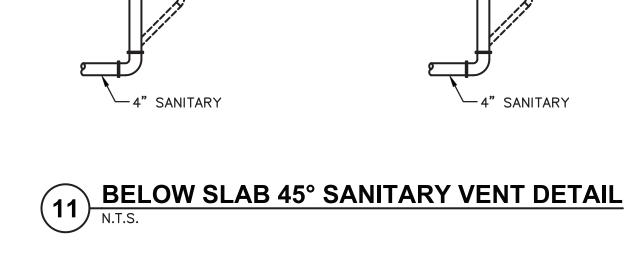
TYPICAL SANITARY LINE BELOW SLAB DETAIL
N.T.S.

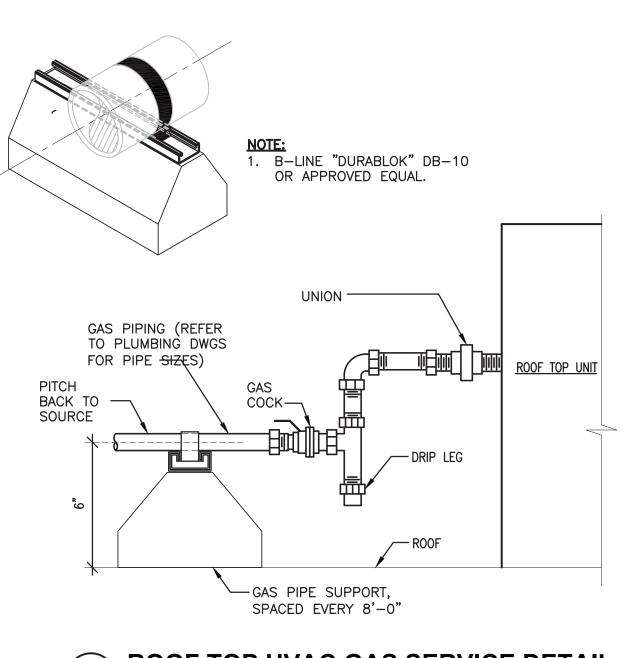


9 SINK DRAINAGE / VENT DETAIL
N.T.S.

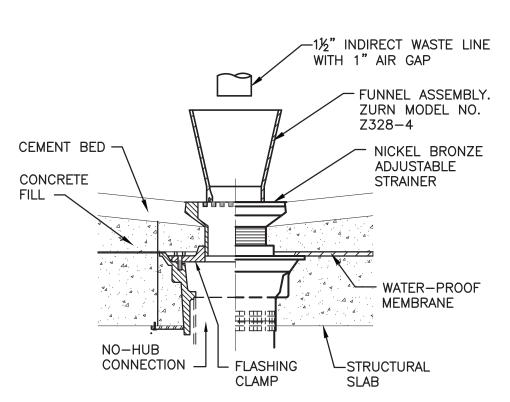








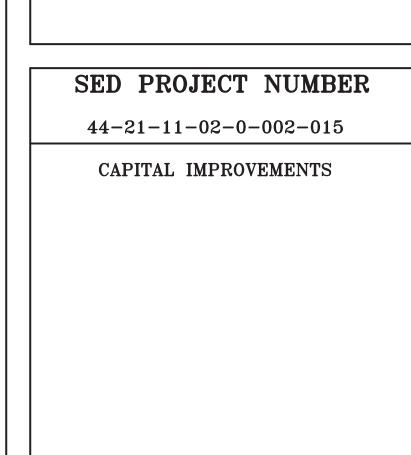


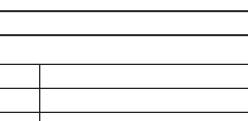


NOTE: FABRICATE TYPICAL FUNNEL ASSEMBLY TO ALLOW FOR REMOVAL OF FUNNEL. G.C. TO PROVIDE FLUSH SECURE CAP AT DRAIN FOR WHEN MILLWORK AND EQUIPMENT IS NOT IN PLACE.

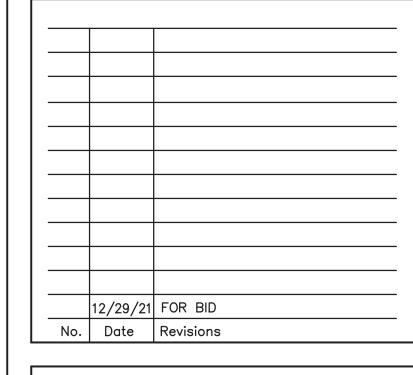
FLOOR DRAIN WITH FUNNEL ASSEMBLY DETAIL
N.T.S.

GREENWOOD LAKE UNION FREE SCHOOL DISTRICT

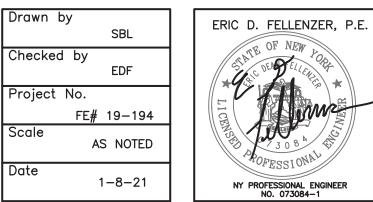


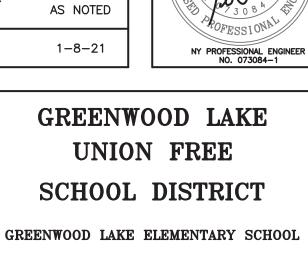


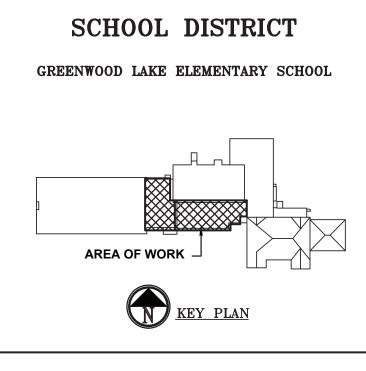
LEGEND

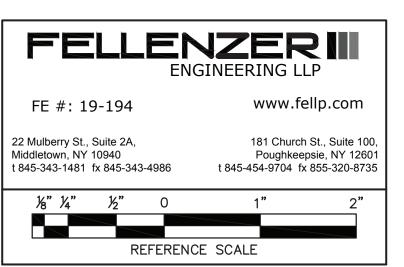


UNAUTHORIZED ALTERATION OR ADDITION TO A PLAN BEARING A LICENSED PROFESSIONAL ENGINEER'S SEAL IS A VIOLATION OF SECTION 7209, SUB-DIVISION 2 OF THE N.Y. STATE EDUCATION LAW.









PLUMBING DETAILS

Drawing No. P-701

Drawing Title