

GENERAL NOTES:

- THE DRAWINGS ON THESE PLANS ARE DIAGRAMMATIC. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING HIS WORK WITH THE TRADES AND THE BUILDING STRUCTURE. NO EXTRA PAYMENTS WILL BE AUTHORIZED FOR REROUTING OR REMOVAL OF INSTALLED WORK DUE TO LACK OF COORDINATION WITH OTHER SYSTEMS.
- THIS CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING OF WALLS, FLOORS AND CEILINGS AS REQUIRED FOR INSTALLATION OF HIS WORK.
- 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 OPERATION.
- ALL PENETRATIONS THROUGH FIRE RATED PARTITIONS SHALL BE SEALED FIRE AND SMOKE TIGHT WITH AN APPROPRIATE U.L. LISTED FIRESTOPPING MATERIAL AND OR SYSTEM.
- ALL PENETRATIONS THROUGH FOUNDATIONS AND EXTERIOR WALLS SHALL BE SEALED WITH EDPM OR EDPM RUBBER GASKET AND SEALED WITH A WATERPROOF, NON-HARDENING SEALANT.
- FURNISH AND INSTALL UNDER SINK PROTECTIVE PIPE COVER KITS ON EXPOSED PIPING AT ALL ADA ACCESSIBLE SINKS AND LAVATORIES.
- COORDINATE FUTURE ROUGH-INS AND INSTALLATIONS WITH THE ARCHITECTURAL PLANS.
- ALL EXPOSED DOMESTIC WATER DISTRIBUTION PIPING IS TO BE INSULATED.
- PROVIDE SHUT-OFF VALVES AT ALL BRANCH PIPING TAKE-OFFS (UNO) AND AT ALL CONNECTIONS TO EQUIPMENT. PROVIDE UNIONS AT ALL EQUIPMENT CONNECTIONS.
- PROVIDE DRAINS WITH HOSE ADAPTERS AND CAPS ON PIPING AT ALL LOW POINTS. PROVIDE MANUAL VENTS ON PIPING AT ALL HIGH POINTS.
- COORDINATE ELECTRICAL CHARACTERISTICS AND REQUIREMENTS OF ALL MECHANICAL EQUIPMENT WITH ELECTRICAL CONTRACTOR.
- ALL REQUIRED MOTOR STARTERS SHALL BE FURNISHED BY THIS CONTRACTOR AND INSTALLED BY THE E.C.
- ALL REQUIRED CONTROL EQUIPMENT AND WIRING SHALL BE FURNISHED & INSTALLED BY THIS CONTRACTOR.
- 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 CONCRETE SLAB. FLOOR FINISH WORK BY G.C.
- 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.
- CONTRACTOR SHALL PROVIDE ALL COMPONENTS INDICATED ON DETAIL SHEETS, PLANS, SPECIFICATIONS AND ALL PERTINENT EQUIPMENT REQUIRED FOR A COMPLETE AND WORKABLE SYSTEM.
- 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 PARTIES.
- 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.
- 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.
- 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:

- COORDINATE WITH ARCHITECTURAL PLANS FOR EXACT AREAS TO BE DEMOLISHED.
- REMOVE ALL EQUIPMENT AND PIPING AS INDICATED ON PLAN. REMOVALS SHALL INCLUDE ALL FITTINGS, SUPPORTS AND HANGERS.
- 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.
- DEMOLITION WORK SHALL INCLUDE THE PREPARATION OF EXISTING EQUIPMENT OR PIPING FOR CONNECTION TO NEW WORK. COORDINATE DEMOLITION WORK WITH THE CONSTRUCTION PLANS.
- 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.
- ALL CUTTING AND PATCHING NECESSARY FOR THE DEMOLITION WORK SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR.
- IT SHALL BE THE OWNER'S RESPONSIBILITY TO REMOVE ANY LOOSE EQUIPMENT, FURNITURE, SUPPLIES, ETC. THAT MAY BE LOCATED IN THE AREA OF WORK.
- 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:

- KITCHEN FIXTURES ONLY SHALL BE SERVED WITH (140°F) HOT WATER. (120°F) HOT WATER WILL SERVE HAND WASHING FIXTURES IN KITCHEN.
- 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.
- 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.
- ALL PLUMBING SUPPLY & VENT PIPING SHOWN SHALL BE INSTALLED IN THE CEILING OF THE FLOOR PLAN SHOWN, UNLESS OTHERWISE NOTED.
- PLUMBING CONTRACTOR IS RESPONSIBLE FOR OWN CUTTING & PATCHING AS REQUIRED. FINISHING SHALL BE BY GENERAL CONTRACTOR.
- INSTALL SECTIONALIZING VALVES AT ALL MAIN "T" ON DOMESTIC HOT & COLD WATER SERVICE.
- VENT PIPING UNDER SLABS SHALL BE A MINIMUM OF 2".
- WASTE PIPING UNDER SLABS SHALL BE A MINIMUM OF 3".
- ALL PLUMBING FIXTURES AND TRIM SHALL BE IN ACCORDANCE WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL CODES, AS WELL AS ALL ADA AND ANSI-A-117.1 REQUIREMENTS.
- INSTALL CONDENSATION CONTROL INSULATION: MINIMUM 1"-INCH THICK FOR ALL PIPE SIZES.
  - COOLING COIL CONDENSATION PIPING TO WASTE PIPING FIXTURE OR INLET. (COORDINATE W/ MECHANICAL CONTRACTOR).
  - PLUMBING PIPING AS FOLLOWS:
    - BODY OF ROOF DRAINS AND STORM PIPE OF HORIZONTAL & VERTICAL RUNS, & OFFSETS (INCLUDING ELBOWS) OF INTERIOR DOWN SPOUT PIPING IN ALL AREAS.
    - WASTE PIPING FROM ELECTRIC WATER COOLERS TO DRAINAGE SYSTEM.
    - WASTE PIPING LOCATED ABOVE BASEMENT FLOOR FROM AIR HANDLING UNITS, FROM FIXTURE (INCLUDING TRAP) TO MAIN VERTICAL WASTE PIPE. (COORDINATE W/ MECHANICAL CONTRACTOR).
    - COLD WATER PIPING.
- HOT & HOT WATER RETURN PIPING SHALL BE INSULATED PER WRITTEN SPECIFICATIONS AND NYS ENERGY CONSERVATION CONSTRUCTION CODE.
- PLUMBING CONTRACTOR SHALL REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF ROOF DRAINS AND FOR ADDITIONAL ROOF DRAIN WORK NOT SHOWN ON PLUMBING DRAWING.
- UNLESS OTHERWISE NOTED, ALL VALVES 2" & SMALLER SHALL BE QUARTER-TURN BALL VALVES AND ALL VALVES 2½" & LARGER SHALL BE GATE VALVES. ALL VALVES SHALL BE OF FULL-PORT DESIGN.
- PLUMBING CONTRACTOR SHALL OBTAIN ALL PERMITS REQUIRED & PAY ALL FEES.
- 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:

- EQUIPMENT SUPPLIED BY A VENDOR OTHER THAN THE KITCHEN EQUIPMENT CONTRACTOR SHALL HAVE ALL PLUMBING, ELECTRICAL, AND HVAC MECHANICAL CONNECTIONS VERIFIED PRIOR TO CONSTRUCTION.
  - ALL ROUGH-INS MUST BE MADE IN ACCORDANCE WITH ALL APPLICABLE STATE & LOCAL CODES.
  - REFER TO EQUIPMENT SPECIFICATIONS BOOKLET FOR ADDITIONAL INFORMATION ON SUPPLIED KITCHEN EQUIPMENT.
  - ALL ROUGH-INS AND FINAL CONNECTIONS TO BE FURNISHED AND INSTALLED BY PLUMBING CONTRACTOR.
  - 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.
  - KITCHEN EQUIPMENT CONTRACTOR TO FURNISH GAS COOKING EQUIPMENT WITH PRESSURE REGULATORS & ALL OTHER APPURTENANCES REQUIRED PER MANUFACTURERS SPECIFICATIONS AND LOCAL CODES.
  - ALL INDIRECT DRAINS LINES ARE TO BE PIPED TO FLOOR DRAINS BY PLUMBING CONTRACTOR AND AIR GAPPED AS PER CODE.
  - PLUMBING CONTRACTOR TO FURNISH AND INSTALL HOT AND COLD WATER LINE CHECK VALVES AT ALL SPRAY SYSTEM UNIT MIXING VALVES.
  - 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.
  - ALL FAUCETS FOR FOOD SERVICE EQUIPMENT FURNISHED BY KITCHEN EQUIPMENT CONTRACTOR TO BE INSTALLED BY THE PLUMBING CONTRACTOR.
  - SEE DWG'S A-401 & A-401-2 FOR ENLARGED KITCHEN LAYOUT PLANS, DETAILS, NOTES & MORE INFORMATION.
  - 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:**
- 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.
  - 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.
  - COORDINATE INSTALLATION AND FINAL CONNECTION OF GAS LINES WITH KITCHEN CONTRACTOR & G.C.
  - ALL GAS PIPING SHALL BE IN ACCORDANCE WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL CODES, AS WELL AS NFPA-54.
  - RELIEF VALVES AND NORMALLY OPEN VENT VALVES SHALL BE VENTED DIRECTLY AND INDEPENDENTLY TO THE OUTDOORS.
  - 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.
  - ALL GAS PIPING 3" & LARGER SHALL HAVE WELDED FITTINGS & CONNECTIONS. ALL GAS PIPING 2½" & SMALLER SHALL HAVE GAS-TIGHT THREADED CONNECTIONS W/ THREAD SEALANT APPROVED FOR NATURAL GAS SERVICE.
  - ALL GAS PIPING PASSING THROUGH MASONRY WALLS SHALL BE SLEEVED w/ SCH. 80 PVC.
  - COORDINATE INSTALLATION OF GAS PIPING w/ALL OTHER TRADES PRIOR TO INSTALLATION.

MINIMUM PIPE INSULATION - COMMERCIAL (THICKNESS IN INCHES) (a,b)						
FLUID OPERATING TEMPERATURE RANGE AND USAGE, °F	NOMINAL PIPE OR TUBE SIZES					
	< 1"	1" to <1½"	1½" to <4"	4" to <8"	8" and larger	
ABOVE 350	4½	5	5	5	5	
251-350	3	4	4½	4½	4½	
201-250	2½	2½	2½	3	3	
141-200	1½	1½	2	2	2	
105-140	1	1	1½	1½	1½	
40-60	½	½	1	1	1	
BELOW 40	½	1	1	1	1½	
a. FOR PIPING SMALLER THAN 1½" AND LOCATED IN PARTITIONS WITHIN CONDITIONED SPACES, REDUCTION OF THESE THICKNESSES BY 1 INCH SHALL BE PERMITTED BUT NOT TO A THICKNESS LESS THAN 1".						
b. FOR DIRECT-BURIED HEATING AND HOT WATER SYSTEM PIPING, REDUCTION OF THESE THICKNESSES BY ½" SHALL BE PERMITTED BUT NOT TO THICKNESSES LESS THAN 1".						

PIPING SYMBOLS	
	DIRECTION OF FLOW
	ANCHOR
	PIPE GUIDE
	REDUCER OR INCREASER
	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
	COLD WATER SUPPLY
	NATURAL GAS
	HOT WATER RETURN
	HOT WATER SUPPLY
	INDIRECT WASTE
	SANITARY LINE
	STORM LINE
	VENT PIPE

GENERAL SYMBOLS	
	POINT OF CONNECTION BETWEEN NEW AND EXISTING WORK
	POINT OF DISCONNECT
	INDICATES SECTION LETTER
	INDICATES DRAWING NUMBER WHERE LOCATED
	PUMP

VALVE SYMBOLS	
	GATE VALVE - THREADED/FLANGED
	GATE VALVE WITH 3/4" HOSE ADAPTER
	GLOBE VALVE - THREADED/FLANGED
	CHECK VALVE
	STRAINER
	WYE STRAINER (WITH BALL VALVE & HOSE CONNECTION)
	STRAINER WITH VALVED DRAIN AND QUICK-COUPLE HOSE CONNECTOR
	FLEXIBLE CONNECTION
	ANGLE GLOBE VALVE
	BUTTERFLY VALVE
	BALL VALVE
	CONTROL VALVE (CV) - FLOAT-OPERATED
	MODULATING CONTROL VALVE
	MODULATING CONTROL BUTTERFLY VALVE
	TWO POSITION CONTROL VALVE
	THREE-WAY MODULATING CONTROL VALVE
	THREE-WAY TWO POSITION CONTROL VALVE
	PRESSURE REGULATING VALVE
	PRESSURE REDUCING VALVE (PRV)
	TEMPERATURE & PRESSURE RELIEF VALVE
	SAFETY OR PRESSURE RELIEF VALVE
	AUTOMATIC BALANCING CONTROL VALVE
	WATER BALANCE DEVICE
	WATER FLOW MEASURING DEVICE
	CIRCUIT SETTER VALVE
	GATE VALVE WITH GLOBE-VALVED BYPASS
	TRIPLE DUTY VALVE
	WATER LEVEL CONTROLLER
	FLOW METER
	COMBINATION BALANCING AND SHUT-OFF VALVE
	MANUAL AIR VENT
	TEST PLUG (PRESSURE/TEMPERATURE)
	PLUG VALVE
	LUBRICATED PLUG VALVE

ABBREVIATIONS	
A	MEDICAL AIR
ACT	ACOUSTIC CEILING TILE
AD	ACCESS DOOR
AF	ABOVE FINISHED FLOOR
AP	ACCESS PANEL
AW	ACID WASTE PIPE
BTUH	BRITISH THERMAL UNITS/HOUR
CLG	CEILING
CO	CLEAN OUT
CP	CONDENSATE PUMP
CW	DOMESTIC COLD WATER
DIA	DIAMETER
D	DRAIN
DN	DOWN
DP	DIFFERENTIAL PRESSURE
E.C.	ELECTRICAL CONTRACTOR
ECC	ENGINEERING CONTROL CENTER
EMD	END OF MAIN DRIP (STEAM)
ET	EXPANSION TANK
EUH	ELECTRIC UNIT HEATER
EXIST	EXISTING
FC	FLEXIBLE CONNECTION
FCO	FLOOR CLEAN OUT
FD	FLOOR DRAIN
FLR	FLOOR
FP	FIRE PROTECTION CONTRACTOR
G.C.	GENERAL CONTRACTOR
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
G.SAN	"GREASE LADEN" SANITARY DRAINAGE PIPE
H.C.	HVAC CONTRACTOR
HP	HORSE POWER
HTWR	HIGH TEMP. HOT WATER RETURN PIPE (140°F)
HTWS	HIGH TEMP. HOT WATER PIPE (140°F)
HW	DOMESTIC HOT WATER PIPE (140°F)
HWR	DOMESTIC HOT WATER RETURN PIPE (120°F)
IW	INDIRECT WASTE
LBS/HR	POUNDS PER HOUR
LF	LINEAR FEET
MAX.	MAXIMUM
MBH	ONE THOUSAND BTUH
MER	MECHANICAL EQUIPMENT ROOM
MIN.	MINIMUM
MY	MEDICAL VACUUM
NOM.	NOMINAL
O	OXYGEN
P	PUMP
P.C.	PLUMBING CONTRACTOR
PD	PRESSURE DROP (FEET OF WATER)
PRV	PRESSURE REDUCING VALVE
PSI	POUNDS PER SQUARE IN.
SAN	SANITARY DRAINAGE PIPE
S.S.	STAINLESS STEEL
ST	STORM DRAINAGE PIPE
UH	UNIT HEATER
U.N.O.	UNLESS NOTED OTHERWISE
V	VENT PIPE
VI	VIBRATION ISOLATOR
VIF	VERIFY IN FIELD
VTR	VENT THROUGH ROOF
WCO	WALL CLEAN OUT
WF	WATER FILTER
WFM	WATER FLOW MEASURING DEVICE
WH	WATER HEATER

GREENWOOD LAKE  
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SED PROJECT NUMBER

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CAPITAL IMPROVEMENTS

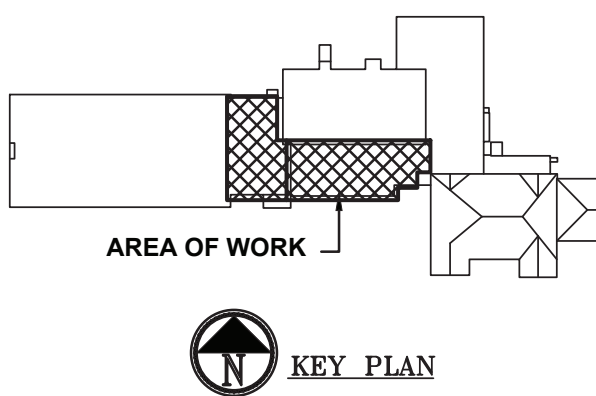
	12/29/21	FOR BID
No.	Date	Revisions

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

Drawn by	SBL	
Checked by	EDF	
Project No.	FE# 19-194	
Scale	AS NOTED	
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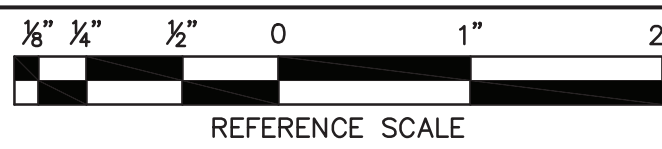
GREENWOOD LAKE  
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SCHOOL DISTRICT

GREENWOOD LAKE ELEMENTARY SCHOOL



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Drawing Title

PLUMBING:  
SYMBOLS, NOTES,  
AND ABBREVIATIONS

Drawing No.

P-001

LEGEND AND SCHEDULE OF PLUMBING EQUIPMENT

SYMBOL	MANUFACTURER	CATALOG #	DESCRIPTION
	WC-1	AMERICAN STANDARD 2292.100	"CADET" ELONGATED 1.6 GPF PRESSURE ASSISTED TOILET; VITREOUS CHINA, ELONGATED SIPHON ACTION 14" HIGH BOWL, CLOSE COUPLED TANK, 2 BOLT 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.
	LV-1	AMERICAN STANDARD 0355.012	"LUCERNE" WALL HUNG LAV; VITREOUS CHINA, FRONT OVERFLOW, FAUCET HOLES ON 4 CENTERS. SUPPLY WITH SYMMONS "SCOT" LAVATORY FAUCET (MODEL #S-60-GH) GRID DRAIN, TAILPIECE, SUPPLY STOPS AND FITTINGS. COLOR WHITE.
	MS-1	FIAT MSB2424	MOLDED STONE MOP SINK BASIN. 24"x24" C/W GRID STRAINER, 2" OUTLET. SUPPLY WITH MODEL #A880 WALL SERVICE FAUCET AND ALL NECESSARY HARDWARE FOR A COMPLETE INSTALLATION.
	WF-1	ELKAY ENLZS8WS	LZ SERIES WATER FOUNTAIN.
	GI-1	ZURN Z1170	GREASE INTERCEPTOR. SIZE 800 W/ 3" INLET/OUTLET. 100 LBS. GREASE CAPACITY.
	FS	ZURN Z1750	12"x12"x6" DEEP, 16 GAUGE, STAINLESS STEEL LIGHT-DUTY SANI-FLOOR RECEPTOR WITH NON-TILT, LOOSE SET FULL GRATE WITH ½" SQUARE OPENINGS AND ANTI-SPLASH STAINLESS STEEL INTERIOR DOME STRAINER.
	FD	ZURN Z-415-V	FLOOR DRAIN: DURA-COATED CAST IRON BODY WITH BOTTOM OUTLET. COMBINATION INVERTIBLE MEMBRANE CLAMP AND ADJUSTABLE COLLAR WITH TYPE "H" POLISHED, NICKEL BRONZE STRAINER WITH FLASHING CLAMP DEVICE, 3" OUTLET. BACKWATER VALVE.
	FCO	ZURN ZN-1400	"LEVEL-TROL" ADJUSTABLE FLOOR CLEANOUT: DURA-COATED CAST IRON BODY, GAS AND WATERTIGHT ABS TAPERED THREAD PLUG, ROUND SCORIATED POLISHED NICKEL BRONZE TOP ADJUSTABLE TO FINISHED FLOOR. SIZE TO MATCH PIPE.
	WCO	ZURN Z-1446	WALL CLEANOUT: DURA-COATED CAST IRON BODY, GAS AND WATERTIGHT ABS TAPERED THREAD PLUG, ROUND SMOOTH STAINLESS STEEL WALL ACCESS COVER WITH SECURING SCREW. SIZE TO MATCH PIPE.

SIMPLEX SEWAGE EJECTOR PUMP SCHEDULE

GENERAL DATA										ELECTRICAL DATA		REMARKS
TAG	MANUFACTURER	MODEL NO.	DISCHARGE SIZE	TOTAL DYNAMIC HEAD	FLOWRATE	MOTOR HP	PUMP HOUSING	MODE	WEIGHT	VOLTAGE/PHASE/ FREQ	AMPERAGE	
SE-1	ZOELLER PUMP COMPANY	BN264	2" NPT	12'	40 GPM	4/10	CAST IRON	AUTOMATIC	40 LBS.	115/1/60	9.4	---
SE-2	ZOELLER PUMP COMPANY	BN267	3" NPT	13'	60 GPM	1/2	CAST IRON	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		
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"	COMBO HUB	---	