

PLUMBING FIXTURE SCHEDULE									
TAG	SYMBOLS		FIXTURES	PLUMBING CONNECTIONS				DESCRIPTION	
	PLAN	ELEVATION		WASTE	VENT	COLD WATER	HOT WATER		
P-1			WATER CLOSET WALL-MOUNT	4"	2"	1 1/4"	-	MANUFACTURER: AMERICAN STANDARD MODEL: AFWALL ELONGATED TOILET LESS EVERCLEAN 1.6 GPF FLUSH VALVE, WALL MOUNTED TOILET, WITH ELONGATED BOWL, VITREOUS CHINA, WITH EVERCLEAN. 1 1/2" INLET SPUD, 2 1/2" TRAPWAY, 10 1/2" WATER SURFACE AREA FLUSH VALVE: AMERICAN STANDARD SELECTRONIC #6065.161.002 BATTERY POWER (TOP SPUD) RECESSED WALL MOUNT TYPE PROVIDE WALL CARRIER	
P-2			LAVATORY WALL HUNG	2"	2"	3/4"	3/4"	MANUFACTURER: SLOAN SOLID SURFACE 1-STATION WALL MOUNTED SINK MODEL: ELGR-81000 SLOANSTONE SOLID SURFACE, DOUBLE HOLE FAUCET; MODEL: REFER TO ARCHITECTURAL PLANS	
P-2A			LAVATORY WALL HUNG	2"	2"	3/4"	3/4"	MANUFACTURER: SLOAN SOLID SURFACE 2-STATION WALL MOUNTED SINK MODEL: ELGR-82000 SLOANSTONE SOLID SURFACE, DOUBLE HOLE FAUCET; MODEL: REFER TO ARCHITECTURAL PLANS	
P-2B			LAVATORY WALL HUNG	2"	2"	3/4"	3/4"	MANUFACTURER: SLOAN MODEL: ELGR-83000 SLOANSTONE SOLID SURFACE, TRIPLE HOLE FAUCET; MODEL: REFER TO ARCHITECTURAL PLANS	
P-3			URINAL	3"	2"	3/4"	-	MANUFACTURER: AMERICAN STANDARD MODEL: 6002.001 TOP SPUD HIGH EFFICIENCY URINAL 0.125 GPF, VITREOUS CHINA, 3/4" INLET SPUD, OUTLET CONNECTION 2" THREADED INSIDE. FLUSH VALVE: MODEL: 60R5013.002, 0.125 GPF EXPOSED TOP SPUD RECESSED WALL MOUNT TYPE S ELECTRONIC URINAL FLUSH VALVE, 20 PSI (FLOWING), 80 PSI (STATIC) OPERATING PRESSURE, 10 GPM FLOW REQUIREMENT PROVIDE WALL CARRIER	
P-4			SHOWER (ADA)	3"	2"	3/4"	3/4"	MANUFACTURER: BEST BATH SYSTEMS MODEL: 4LSS24038A75FTB V3" 38.25"x40.5"x80.5" SHOWER, FIBERGLASS NOTES: INSTALL IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND ADA GUIDELINES. PROVIDE MOEN HANDHELD KIT KACXMOAN1001 OR APPROVED EQUIVALENT.	
P-4A			SHOWER (ADA)	3"	2"	3/4"	3/4"	MANUFACTURER: BEST BATH SYSTEMS MODEL: 4LSS26337A75FTB V3" 38.5"x63"x80.5" SHOWER, FIBERGLASS NOTES: INSTALL IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND ADA GUIDELINES. PROVIDE MOEN HANDHELD KIT KACXMOAN1001 OR APPROVED EQUIVALENT.	
P-5			ART ROOM SINK	2"	2"	3/4"	3/4"	MANUFACTURER: ELKAY MODEL: EWM44820C 304 STAINLESS STEEL WALL HUNG MULTIPLE STATION HAND WASH SINK. INCLUDE SOLIDS INTERCEPTOR AT DRAIN.	
P-6			SINK (ADA)	2"	2"	3/4"	3/4"	MANUFACTURER: ELKAY MODEL: LRAD221955 FAUCET; MAKE: ELKAY MODEL: LK406GN05T4 304 STAINLESS STEEL DROP IN ADA SINK. FAUCET SHALL BE BRASS MATERIAL, & DOUBLE HOLE WITH A FLOW RATE OF 1.5 GPM. INCLUDE SOLIDS INTERCEPTOR AT DRAIN.	
P-7			JANITOR'S SINK	3"	2"	3/4"	3/4"	MANUFACTURER: ZURN MODEL: Z2550 FAUCET; ZURN SINK FAUCET ZB43M1-XL ENAMELED CAST IRON CORNER FLOOR SINK WITH 28x28x8 BOWL, 3" DRAIN WITH DRAIN GRID	
CM			COFFEE MAKER	-	-	3/4"	-	MANUFACTURER: CURTIS MODEL: ALPHA G3 AUTOMATIC COFFEE BREWING SYSTEM SHALL BE ABLE TO BREW 12 GAL/Hr. ELECTRICAL: 120/160, 1800 WATTS, 15 AMPS	
CM-1			COFFEE MAKER	-	-	3/4"	-	MANUFACTURER: KEURIG MODEL: KEURIG K-2500 PLUMBED COMMERCIAL COFFEE MAKER ELECTRICAL: 120/160, 1800 WATTS, 12 AMPS	
IM			ICE MACHINE	-	-	3/4"	-	MANUFACTURER: AVANTCO ICE MACHINES MODEL: KMC-H-530-A 30" AIR COOLED MODULAR HALF CUBE ICE MACHINE WITH BIN - 500LB. ICE MAKER WITH BIN. SHALL BE ABLE TO PRODUCE 500 LBS/DAY AT 90°F. 350 LB BIN STORAGE CAPACITY. ELECTRICAL: 115/160, 9.4 AMPS	
IM-1			ICE MACHINE	-	-	3/4"	-	MANUFACTURER: AVANTCO ICE MACHINES MODEL: LUC-A-19" AIR COOLED UNDERCOUNTER FULL CUBE ICE MACHINE - 129LB. ICE MAKER WITH BIN. SHALL BE ABLE TO PRODUCE 129 LBS/DAY AT 90°F. 40 LB BIN STORAGE CAPACITY. ELECTRICAL: 115/160, 5 AMPS	
DW			DISHWASHER	1-3/8"	-	-	1/2"	MANUFACTURER: JACKSON WAREWASHING SYSTEMS MODEL: DISHSTAR HT-E UNDERCOUNTER DISHWASHER, HIGH TEMPERATURE SANITIZING, 27 RACKS PER HOUR CAPACITY, 100 SECOND CYCLE, BOTTOM MOUNTED CONTROLS WITH STAINLESS STEEL TOP AND SIDE PANELS, AND BUILT IN BOOSTER HEATER, 180°F FINAL RINSE WATER, ELECTRICAL: 208/60/1	
DF			DRINKING FOUNTAIN	2"	2"	3/4"	-	MANUFACTURER: ELKAY MODEL: L251BWLSK 62x20 BOTTLE FILLING STATION AND 8 1/2" LEVEL ADA COOLER FILTERED REFRIGERATED LIGHT GRAY, 8.0 GPH OF 50°F DRINKING WATER BASED ON 80°F INLET WATER AND 90°F AMBIENT MODEM: V/PHz: 115/160, FLA=6	
DF-1			DRINKING FOUNTAIN	2"	2"	3/4"	-	MANUFACTURER: ELKAY MODEL: L258WSLK 62x20 BOTTLE FILLING STATION WITH SINGLE ADA COOLER FILTERED REFRIGERATED LIGHT GRAY, 8.0 GPH OF 50°F DRINKING WATER BASED ON 80°F INLET WATER AND 90°F AMBIENT MODEM: V/PHz: 115/160, FLA=6	
FD			FLOOR DRAIN	3"	2"	-	-	FLOOR DRAIN, MAKE: JR SMITH MODEL: 2110 MEDIUM DUTY DRAIN, 8.5" ROUND TOP, STRAINER. PROVIDE TRAP SEAL.	
FD-1			PARKING GARAGE FLOOR DRAIN	3"	2"	-	-	WADE #W-1210-27 WITH CAST IRON BODY, CAST IRON DRAINAGE FLANGE, SEDIMENT BUCKET, FLASHING COLLAR, 12" ROUND HEAVY DUTY CAST IRON GRATE, PROVIDE TQ-1 FOR EACH FD.	
NFHB			NON FREEZE HOSE-BIB	-	-	-	-	HOSE BIB; MAKE: WOODFORD MODEL: 65 ANTI-SIPHON PROTECTED AUTOMATIC DRAINING FREEZELESS WALL HYDRANT WITH INTEGRAL VACUUM BREAKER	
COPD			CLEANOUT DECK PLATE	-	-	-	-	FLOOR CLEANOUT WITH ADJUSTABLE HEAD, ANCHOR FLANGE, CUT-OF SECTIONS AND ROUND SCORIATED NICKEL-BRONZE TOP. WADE #W-6000 OR APPROVED EQUAL. PROVIDE HEAVY DUTY CAST IRON TOP FOR MECHANICAL ROOMS. CODP IN GARAGE ROOM TO BE RATED FOR VEHICULAR TRAFFIC.	
WCO			WALL CLEANOUT	-	-	-	-	WALL CLEANOUT WITH CLEANOUT TEE AND CHROME PLATED BRONZE SQUARE ACCESS COVER AND FRAME. WADE #W-8480 OR APPROVED EQUAL.	
RD-1			ROOF DRAIN	4"	2"	2	-	JOSAM 21500 4" SERIES COATED CAST IRON ROOF DRAIN, LARGE POLYPROPYLENE LOCKING DOME, WEJOC NON-PUNCTURING CLAMP RING WITH INTEGRAL GRAVEL STOP, LARGE SUMP WITH WIDE ROOF FLANGE AND BOTTOM OUTLET.	
OD-1			ROOF DRAIN	4"	2"	2	-	JOSAM 21500 4" 16 SERIES COATED CAST IRON ROOF DRAIN, LARGE POLYPROPYLENE LOCKING DOME, WEJOC NON-PUNCTURING CLAMP RING WITH INTEGRAL GRAVEL STOP, INTERNAL WATER GUARD FOR OVERFLOW, LARGE SUMP WITH WIDE ROOF FLANGE AND BOTTOM OUTLET.	
NOTES: 1.) REFER TO ARCHITECTURAL DRAWINGS FOR FIXTURE QUANTITY, LOCATIONS, & MOUNTING HEIGHTS.									

SYMBOLS AND ABBREVIATIONS		
SYMBOL	ABBREVIATION	DESCRIPTION
—	AFF	ABOVE FINISHED FLOOR
—	AHC	ABOVE HUNG CEILING
—	BFP	BACK FLOW PREVENTOR
	—	BALL VALVE
	—	BASKET STRAINER
	—	BUTTERFLY VALVE
	—	CHECK VALVE
	—	CIRCUIT SETTER
	CODP	CLEAN OUT DECK PLATE
—	CW	COLD WATER
	—	CONCENTRIC REDUCER
—	DCV	DOUBLE CHECK VALVE - BFP
	—	ECCENTRIC REDUCER
—	—	ELBOW DOWN
—	—	ELBOW UP
—	DEM.	EXISTING TO BE REMOVED
—	EX.	EXISTING TO REMAIN
	—	FLEXIBLE CONNECTION
—	FCO	FLOOR CLEAN OUT
—	FS	FLOOR SINK
—	—	FLOW ARROW
—	FAI	FRESH AIR INTAKE
	—	GATE VALVE
	—	GLOBE VALVE
—	HW	HOT WATER
—	HW HTR	HOT WATER HEATER
—	HWC	HOT WATER RECIRCULATION
—	LDR	LEADER
—	—	MANUAL AIR VENT
—	NEW	NEW WORK
	—	OS&Y GATE VALVE
	—	PLUG VALVE
—	—	PIPE CAP
	—	PRESSURE GAGE
	—	PRESSURE REDUCING VALVE
	—	PUMP
—	PD	PUMP DISCHARGE
—	RPZ	REDUCED PRESSURE ZONE - BFP
—	REL.	REMOVE AND RELOCATE
—	S	SANITARY
	—	SOLENOID VALVE
	—	STRAINER
—	SD	STORM DRAINAGE
—	—	TEE DOWN
—	—	TEE UP
	—	THERMOMETER
—	TYP.	TYPICAL
	—	T&P RELIEF VALVE
	—	UNION
—	V	VENT
—	VTR	VENT THROUGH ROOF
—	WCO	WALL CLEAN OUT
—	W	WASTE LINE
NOTE: FOR REFERENCE ONLY. NOT ALL SYMBOLS OR ABBREVIATIONS ARE USED IN THIS PROJECT.		
PLUMBING MATERIALS		
1. ALL PIPING BURIED BELOW THE GARAGE SLAB SHALL BE HIGH PERFORMANCE HUB & SPIGOT SERVICE WEIGHT CAST IRON CHARLOTTE PIPE "EDGE HP IRON" ATSM A74, CISPI TM/NSF, EN 877 COMPRESSION GASKETS ASTM C564 OR LEAD & OAKUM. REFER TO SPECIFICATIONS 221316		
GENERAL NOTES		
1. THE CONTRACT DRAWINGS INDICATE THE EXTENT AND GENERAL ARRANGEMENTS OF THE PLUMBING SYSTEMS. IF ANY DEPARTURES FROM THE DRAWINGS ARE DEEMED NECESSARY BY THE PLUMBING CONTRACTOR, DETAILS OF SUCH DEPARTURES AND THE REASONS THEREFORE SHALL BE SUBMITTED TO THE OWNER AND ENGINEER FOR APPROVAL. NO SUCH DEPARTURES SHALL BE MADE WITHOUT PRIOR WRITTEN APPROVAL OF THE OWNER AND ENGINEER. EQUIPMENT AND PIPING ARRANGEMENTS SHALL PROVIDE ADEQUATE AND ACCEPTABLE CLEARANCES FOR ENTRY, SERVICING, AND MAINTENANCE. ANY CHANGES TO PIPING AND EQUIPMENT LOCATIONS NECESSARY TO AVOID INTERFERENCE WITH OTHER TRADES SHALL BE MADE AT NO EXTRA COST.		
2. THE PLUMBING WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE LATEST EDITION OF THE PREVAILING NEW YORK STATE PLUMBING AND BUILDING CODES. IN CASE OF CONFLICT BETWEEN THE CONTRACT DOCUMENTS AND A GOVERNING CODE OR ORDINANCE, THE MORE STRINGENT STANDARD SHALL APPLY.		
3. THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND FOR PAYING RELATED FEES.		
4. CONNECTIONS TO EXISTING UTILITIES AND SERVICES ARE SHOWN ACCORDING TO THE BEST INFORMATION AVAILABLE. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATIONS, INVERT ELEVATIONS, AND SIZES OF EXISTING PLUMBING SERVICES IN FIELD, AND SHALL CONNECT NEW PLUMBING SERVICES AS INDICATED ON DRAWINGS.		
5. PRIOR TO FABRICATION, THIS CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AND CONDITIONS ON JOB SITE, AND COORDINATE THIS WORK WITH THE WORK OF ALL OTHER TRADES.		
6. ALL ACCESS PANELS SHALL BE BY GENERAL CONTRACTOR. THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR THEIR LOCATION.		

GENERAL NOTES	
7. PROVIDE ALL PLUMBING FIXTURES, PIPING, VALVES AND ACCESSORY ITEMS AS SPECIFIED AND AS REQUIRED FOR A COMPLETE INSTALLATION. ROUGHING DIMENSIONS OF FIXTURES MUST BE COORDINATED WITH THE GENERAL CONTRACTOR.	
8. PITCH ALL WASTE, SANITARY, AND STORM DRAIN PIPING AT MAXIMUM SLOPE POSSIBLE, BUT NOT LESS THAN 1/8" PER FOOT FOR PIPING ≥ 3" AND 1/4" PER FOOT FOR PIPING ≤ 2 1/2".	
9. NO PIPING SHALL RUN EXPOSED IN FINISHED AREAS.	
10. PROVIDE DIELECTRIC FITTINGS OR COUPLINGS WHEREVER DISSIMILAR METALS ARE JOINED.	
11. PROVIDE SHUTOFF VALVES AT ALL FIXTURES AND EQUIPMENT ON COLD WATER, AND HOT WATER PIPES.	
12. ALL WORK SHALL BE PROPERLY TESTED, BALANCED, AND CLEANED AND DISINFECTED. PROVIDE A ONE YEAR WARRANTY FROM DATE OF FINAL INSPECTION ON ALL PARTS AND LABOR.	
13. PROVIDE ALL PIPE OPENINGS THROUGH PARTITIONS WITH PIPE SLEEVES. FOR PIPES PENETRATING FIRE RATED PARTITIONS, THE SPACE BETWEEN THE PIPE AND THE SLEEVE SHALL BE SEALED WITH FIRE STOPPING MATERIAL. PENETRATIONS FOR PIPING SHALL BE MADE BY CORE DRILLING WHENEVER POSSIBLE.	
14. PROVIDE TRAP SEAL PRIMERS FOR FLOOR DRAINS AS REQUIRED. INSTALL THE PRIMER VALVE IN THE COLD WATER SERVICE, WITH THE TRAP CONNECTION PIPED TO THE FLOOR DRAIN TRAP. LOCATE THE VALVE IN AN ACCESSIBLE LOCATION.	
15. THE PLUMBING CONTRACTOR SHALL PROVIDE ALL CUTTING, PATCHING, CORE DRILLING, PAINTING, ACCESS PANELS, AND FINAL RESTORATION REQUIRED TO FACILITATE THE INSTALLATION OF PLUMBING PIPING, INCLUDING ABOVE CEILINGS AND IN SHAFTS THAT WILL NOT BE REPLACED OR OPENED UNDER ANY OTHER SCOPE OF WORK RELATED TO THIS PROJECT. CONTRACTOR TO REMOVE AND REPLACE CEILINGS, AND OPEN AND PATCH SHAFTS AND WALLS, AS REQUIRED TO EXECUTE THE PLUMBING WORK.	
16. SEE THE ARCHITECTURAL DRAWINGS FOR EXACT PHASING AND TIME SCHEDULE FOR CONSTRUCTION.	
17. ALL MOTOR STARTERS AND DISCONNECT SWITCHES FOR PLUMBING EQUIPMENT SHALL BE FURNISHED BY THE PLUMBING CONTRACTOR AND INSTALLED BY THE ELECTRICAL CONTRACTOR, UNLESS OTHERWISE NOTED. DISCONNECT SWITCHES FURNISHED BY THE PLUMBING CONTRACTOR FOR PLUMBING EQUIPMENT SHALL BE HEAVY DUTY TYPE.	
18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING TEMPORARY VENTILATION AND EXHAUST AIR WHEN WELDING OR SOLDERING OPERATIONS ARE PERFORMED, AS REQUIRED BY OSHA.	
EQUIPMENT NOTES	
1. NATURAL GAS-FIRED DOMESTIC HOT WATER HEATER, (HWH-1): SHALL BE BASED ON AO SMITH MODEL BTH-120 MXI, RATED FOR 138 GPH @ 100° RISE, GAS FIRED, 120,000 BTUH INPUT CAPACITY. THERMAL EFFICIENCY = 95.8%	
2. NATURAL GAS-FIRED DOMESTIC HOT WATER HEATER, (HWH-2): SHALL BE BASED ON AO SMITH MODEL BTH-150 MXI, RATED FOR 178 GPH @ 100° RISE, GAS FIRED, 150,000 BTUH INPUT CAPACITY. THERMAL EFFICIENCY = 98.8%	
3. NATURAL GAS-FIRED DOMESTIC HOT WATER HEATER, (HWH-3): SHALL BE BASED ON AO SMITH MODEL BTH-120 MXI, RATED FOR 138 GPH @ 100° RISE, GAS FIRED, 120,000 BTUH INPUT CAPACITY. THERMAL EFFICIENCY = 95.8%	
4. ELEVATOR SUMP PUMP, (ESP-1), TO BE BASED ON STANCOR MODEL SE50 PUMP, 0.5 HP, 115V-1 PHASE-60 HERTZ, 8 FLA, 55 GPM @ 20 FEET HEAD AND 3450 RPM, 40A LOCKED ROTOR AMPS, 33 FEET MAX. SUBMERGENCE. PROVIDE STANCOR CHECK VALVE WITH EACH PUMP. PROVIDE OIL MINDER CONTROL SYSTEM FOR EACH PUMP WITH BUILT IN AUDIBLE AND VISUAL ALARM WHEN PUMP DOES NOT RUN DUE TO OIL IN PIT OR HIGH LIQUID ALARM. PROVIDE SILENCING BUTTON FOR AUDIBLE ALARM BUILT INTO PANEL. PANEL SHALL HAVE ADDITIONAL CONTACT FOR A REMOTE ALARM LOCATION. PROVIDE JUNCTION BOX WITH MULTI PIN CONNECTOR AND CORD LENGTHS AS REQUIRED. PANEL TO HAVE INDICATOR LIGHTS FOR OIL SPILL, HIGH LIQUID LEVEL, OVERLOAD AND PUMP RUN. CONTROL PANEL ENCLOSURE TO BE NEMA4X WATERTIGHT CORROSION RESISTANT FIBERGLASS.	
5. SUMP PUMP, (SP-1) AND (SP-2), TO BE BASED ON STANCOR MODEL SV500 PUMP, 5 HP, 208V-3 PHASE-60 HERTZ, 16.6 FLA, 210 GPM @ 35 FEET HEAD AND 3450 RPM, 83A LOCKED ROTOR AMPS, 33 FEET MAX. SUBMERGENCE. PROVIDE STANCOR CHECK VALVE WITH EACH PUMP. PROVIDE OIL MINDER CONTROL SYSTEM FOR EACH PUMP WITH BUILT IN AUDIBLE AND VISUAL ALARM WHEN PUMP DOES NOT RUN DUE TO OIL IN PIT OR HIGH LIQUID ALARM. PROVIDE SILENCING BUTTON FOR AUDIBLE ALARM BUILT INTO PANEL. PANEL SHALL HAVE ADDITIONAL CONTACT FOR A REMOTE ALARM LOCATION. PROVIDE JUNCTION BOX WITH MULTI PIN CONNECTOR AND CORD LENGTHS AS REQUIRED. PANEL TO HAVE INDICATOR LIGHTS FOR OIL SPILL, HIGH LIQUID LEVEL, OVERLOAD AND PUMP RUN. CONTROL PANEL ENCLOSURE TO BE NEMA4X WATERTIGHT CORROSION RESISTANT FIBERGLASS.	
6. LD-1 SPOT TYPE LEAK DETECTORS SHALL BE LIEBERT MODEL LT-410. PROVIDE 100 WATT LOW-VOLTAGE TRANSFORMER. PROVIDE CONNECTION TO BMS FOR LD ALARM.	
7. DOMESTIC HOT WATER HEATER RECIRCULATION PUMP, (HWCP-1): SHALL BE BASED ON BELL AND GOSSETT MODEL PL-55 RATED FOR 1.5 GPM AT 40' TDH, 2/3 HP, 120/160/60HZ. MOTOR STARTERS AND DISCONNECT SWITCHES SHALL BE FURNISHED BY THE PLUMBING CONTRACTOR AND INSTALLED BY THE ELECTRICAL CONTRACTOR.	
8. 3" DOMESTIC WATER BACKFLOW PREVENTION ASSEMBLY: SHALL BE WATTS MODEL LF009 LEAD FREE REDUCED PRESSURE ZONE BACKFLOW PREVENTER. ASSEMBLY SHALL BE SUITABLE FOR PRESSURES UP TO 175 PSI AND TEMPERATURES UP TO 110°F. THE ASSEMBLY SHALL INCLUDE TWO RESILIENT OS&Y SEATED SHUTOFF VALVES AND FOUR BALL TYPE TEST COCKS. THE 3" DOMESTIC WATER BACKFLOW PREVENTER SHALL BE PROVIDED WITH WATTS AIR GAP / SPLASH GUARD.	
9. 6" FIRE PROTECTION BACKFLOW PREVENTION ASSEMBLY: SHALL BE WATTS SERIES 709PCDA DOUBLE CHECK DETECTOR ASSEMBLY BACKFLOW PREVENTER. ASSEMBLY SHALL BE SUITABLE FOR PRESSURES UP TO 175 PSI AND TEMPERATURES UP TO 110°F. THE ASSEMBLY SHALL INCLUDE TWO RESILIENT OS&Y SEATED SHUTOFF VALVES AND TWO BALL TYPE TEST COCKS.	
10. WATER METER: SHALL BE BASED ON ELSTER EVOQ4 METER, 3" SIZE. FINAL WATER METER AND SIZE, MODEL, AND DIMENSIONS SHALL BE DETERMINED AND APPROVED BY THE WATER UTILITY. THE PLUMBING CONTRACTOR IS RESPONSIBLE FOR COORDINATION AND INSTALLATION, AND ALL RELATED WATER DEPARTMENT FEES.	
11. ALL DOMESTIC, SANITARY, AND STORM PIPING ROUTED EXPOSED WITHIN GARAGE SHALL BE HEAT TRACED COMPLETE, INCLUDING A MINIMUM OF 5'-0" INTO THE TEMPERED SPACES. PIPING SHALL BE INSULATED COMPLETE AND WRAPPED WITH PVC JACKETING.	
12. COORDINATE WITH ARCHITECTURAL DRAWINGS FOR FINAL LOCATION, TYPE, AND QUANTITY OF FIXTURES AND ROOF DRAINS THROUGHOUT THE BUILDING.	
13. COORDINATE WITH SITE ENGINEER DRAWINGS FOR FINAL LOCATION, TYPE, AND QUANTITY OF ROADWAY DRAINS.	
14. ALL PIPING INCLUDING HANGERS/SUPPORTS WITHIN THE GARAGE SHALL BE ROUTED AS HIGH AS POSSIBLE TO MAINTAIN VEHICLE CLEARANCE THROUGHOUT. REFER TO ARCHITECTURAL DRAWINGS FOR MINIMUM ELEVATIONS.	
15. THE PLUMBING CONTRACTOR SHALL SUBMIT FOR REVIEW A COMPOSITE SHOP DRAWING, FULLY COORDINATED WITH ALL OTHER TRADES, INDICATING EQUIPMENT, DUCTWORK, PLUMBING AND SPRINKLER PIPING, SMOKE DETECTORS, LIGHTS, CONDUITS, SMOKE DETECTORS, DIFFUSERS, GRILLES, AND ALL RCP ELEMENTS, ETC.	
16. PROVIDE TRAP AND VALVE GUARDS AT ALL LAVATORIES WITH EXPOSED PIPING SIMILAR TO TRUEBRO P-TRAP AND TWO (2) VALVE COVERS WITH VINYL COVER.	
17. GAS BOOSTER PUMP (GMP-1): SHALL BE ACCARDI COMPAC HB4615-1. SYSTEM SHALL BE A PACKAGE HERMETICALLY SEALED SYSTEM THAT INCLUDES AUTO FLOW CONTROL, INTEGRAL VFD, NEMA 4 PANEL, NEMA 4 LOW PRESSURE SWITCH, INLET AND OUTLET ISOLATION VALVES, FLEXIBLE CONNECTIONS, INLET AND OUTLET PRESSURE GAUGES, AND CHECK VALVE. SYSTEM SHALL BE CAPABLE OF OF DELIVERING A VARIABLE VOLUME OF NATURAL GAS OF 1,370 CFH WHILE PROVIDING A CONSTANT ELEVATED DIFFERENTIAL GAS PRESSURE OF 11" WC.	

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Professional Seal

4	06/05/2024	ISSUED FOR BID
3	01/16/2024	ISSUED FOR PERMIT
2	06/01/2020	DESIGN DEVELOPMENT
1	03/31/2020	50% DESIGN DEVELOPMENT
No.	Date	Issue

Sheet Title

PLUMBING SYMBOLS, ABBREVIATIONS, & NOTES

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Scale

AS NOTED

Drawn / Checked

HM / RG

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