

PLUMBING GENERAL NOTES

GENERAL REQUIREMENTS:

- GENERAL AND SPECIAL CONDITIONS: GENERAL AND SPECIAL CONDITIONS ARE HEREBY MADE AN INTEGRAL PART OF THIS DIVISION OF THE SPECIFICATIONS INsofar AS SAME ARE APPLICABLE TO THE WORK UNDER THIS DIVISION AND UNLESS OTHERWISE SPECIFIED.
- SCOPE: PROVIDE ALL LABOR, MATERIAL AND EQUIPMENT REQUIRED FOR THE COMPLETION AND OPERATION OF ALL SYSTEMS IN THIS SECTION OF WORK IN ACCORDANCE WITH ALL APPLICABLE CODES.
- PERMITS: APPLY FOR AND PAY FOR ALL NECESSARY PERMITS, FEES, AND INSPECTIONS REQUIRED BY ANY PUBLIC AUTHORITY HAVING JURISDICTION.
- WARRANTY: PROVIDE ALL MATERIALS AND EQUIPMENT UNDER THIS SECTION OF THE SPECIFICATIONS WITH A ONE YEAR WARRANTY FROM THE DATE OF ACCEPTANCE OF WORK BY THE OWNER.
- COORDINATION: VERIFY ALL ROUGH-IN LOCATIONS AND COORDINATE PIPING AND EQUIPMENT LOCATIONS WITH WORK UNDER OTHER DIVISIONS OF THE SPECIFICATIONS TO AVOID CONFLICTS. CONTRACTOR MUST COORDINATE WITH OTHER TRADES FOR ALL STRUCTURES, PIPING, CONDUIT, DUCTWORK, LIGHTING, ETC. TO PROPERLY BE INSTALLED. ANY CONFLICTS SHALL BE RESOLVED AT NO CHARGE TO THE OWNER. COORDINATE INSTALLATION OF ALL PLUMBING LINES AT CMU WALLS SO THAT PLUMBING LINES ARE PLACED IN WALL DURING CMU WALL CONSTRUCTION. CUTTING AND PATCHING OF CMU WALLS IN PLACE WILL NOT BE PERMITTED.
- FIELD VERIFICATION: FIELD VERIFY EXISTING CONDITIONS BEFORE STARTING CONSTRUCTION AND NOTIFY THE ARCHITECT/ENGINEER OF RECORD OF ANY DISCREPANCIES BETWEEN THE CONSTRUCTION DOCUMENTS AND EXISTING CONDITIONS AND/OR ANY POTENTIAL PROBLEMS OBSERVED BEFORE CONTINUING WORK IN THE EFFECTED AREAS.
- PLUMBING SYSTEMS INCLUDE, BUT ARE NOT LIMITED TO:
 - PLUMBING FIXTURES AND EQUIPMENT
 - FIRE STOPPING
 - DOMESTIC WATER SYSTEM
 - SANITARY WASTE AND VENT SYSTEM
 - GAS SYSTEM
 - STORM DRAIN/SEWER SYSTEM
- SEE ARCHITECTURAL PLANS FOR FINAL EQUIPMENT LOCATIONS. COORDINATE WITH EQUIPMENT SUPPLIER AND THE GENERAL CONTRACTOR FOR FINAL WALL LOCATIONS.

FIXTURES:

- PROVIDE COMPLETE FIXTURES AND INCLUDE SUPPLIES, STOPS, VALVES, FAUCETS, DRAINS, TRAPS, TAIL PIECES, ESCUTCHEONS, ETC.

FIRE STOPPING:

- FIRE STOP ALL PENETRATIONS, BY PIPING OR CONDUITS, OF FIRE RATED WALLS, FLOORS AND PARTITIONS. PROVIDE A DEVICE(S) OR SYSTEM(S) WHICH HAS BEEN TESTED AND LISTED AS COMPLYING WITH ASTM E-814 AND INSTALL IN ACCORDANCE WITH THE CONDITIONS OF THEIR LISTING. PROVIDE A DEVICE(S) OR SYSTEM(S) WITH AN "R" RATING EQUAL TO THE RATING OF THE ASSEMBLY BEING PENETRATED.

DOMESTIC WATER PIPING:

- FURNISH AND INSTALL A COMPLETE SYSTEM OF HOT AND COLD WATER, AND WASTE PIPING FROM EXISTING SUPPLIES TO ALL FIXTURES AND/OR EQUIPMENT REQUIRING THIS SERVICE. VERIFY LOCATION OF BEGINNING POINTS.
 - DOMESTIC WATER PIPING BELOW GRADE: SOFT ANNEALED SEAMLESS COPPER TUBING, TYPE "K" WITH NO JOINTS BELOW GRADE (ASTM B 88).
 - DOMESTIC WATER PIPING AND JOINTS ABOVE GRADE: HARD DRAWN SEAMLESS COPPER TUBING, TYPE "L" WITH 95-5 SILVER SOLDERED JOINTS (ASTM B 88).
 - STERILIZE DOMESTIC WATER PIPING IN ACCORDANCE WITH THE AMERICAN WATER WORKS ASSOCIATIONS SPECIFICATIONS AND LOCAL HEALTH DEPARTMENT REGULATIONS.
 - INSULATE DOMESTIC WATER PIPING ABOVE GRADE (EXCEPT EXPOSED CONNECTIONS TO PLUMBING FIXTURES) WITH ENGINEERED POLYMER FOAM INSULATION OR FIBERGLASS WITH FITTING INSERTS AND PVC COVERS. FOLLOW THIS SCHEDULE:
- | SERVICE | PIPE SIZE | INS. THICKNESS |
|--------------------------------|---------------|----------------|
| DOMESTIC HOT WATER (105-140F) | 1/2" - 1-1/2" | 1/2" |
| DOMESTIC HOT WATER (105-140F) | 2" AND UP | 3/4" |
| DOMESTIC HOT WATER (140-160F) | ALL | 1" |
| DOMESTIC HOT WATER CIRCULATION | ALL | 1/2" |
| DOMESTIC COLD WATER | ALL | 1/2" |
- DOMESTIC WATER PIPING INSULATION, JACKETS, COVERINGS, SEALERS, MASTICS AND ADHESIVES ARE REQUIRED TO MEET A FLAME-SPREAD RATING OF 25 OR LESS AND A SMOKE-DEVELOPED RATING OF 50 OR LESS, AS TESTED BY ASTM E84 (NFPA 255) METHOD.
 - DO NOT INSTALL DOMESTIC WATER PIPING IN AREAS SUBJECT TO FREEZING TEMPERATURES. INSTALL WATER PIPING IN EXTERIOR WALLS ON THE CONDITIONED SIDE OF THE WALL INSULATION.
 - SHUT OFF VALVES: PROVIDE FULL PORT, BALL TYPE, AND INSTALL IN A LOCATION THAT PERMITS ACCESS FOR SERVICE WITHOUT DAMAGE TO THE BUILDING OR FINISHED MATERIALS. PROVIDE ACCESS DOORS IF REQUIRED.
 - PROTECT COPPER PIPING AGAINST CONTACT WITH DISSIMILAR METALS. ALL HANGERS, SUPPORTS, ANCHORS, AND CLIPS SHALL BE COPPER OR COPPER PLATED. WHERE COPPER PIPING IS CONTACTED WITH BRASS HANGERS WITH OTHER PIPING, PROVIDE A PERMANENT ELECTRORRETIC ISOLATION MATERIAL TO PREVENT CONTACT WITH OTHER METALS.
 - PROTECT COPPER PIPING AGAINST CONTACT WITH MASONRY. WHERE COPPER IS SLEEVED THROUGH MASONRY, PROVIDE COPPER COATED BRASS SLEEVES. WHERE COPPER MUST BE CONCEALED IN OR AGAINST MASONRY PARTITIONS, PROVIDE A HEAVY COATING OF ENAMEL ON THE COPPER PIPING AND 1# ASPHALT SATURATED FIBER BETWEEN THE PIPING AND THE MASONRY PARTITION.
 - FURNISH BURST PROOF BRAIDED FLEXIBLE CONNECTORS FOR SINK CONNECTIONS AND CONNECTIONS TO EQUIPMENT.
 - PROVIDE ZURN WILKINS MODEL 740 (OR EQUAL) BACKFLOW PREVENTION TYPE VACUUM BREAKER FOR ICE MACHINE, CARBONATOR, AND OTHER EQUIPMENT AS REQUIRED BY CODE.

SANITARY WASTE AND VENT PIPING:

- FURNISH AND INSTALL COMPLETE SYSTEMS OF SOIL, WASTE, AND VENT PIPING FROM ALL PLUMBING FIXTURES, AND/OR OTHER EQUIPMENT. ALL SOIL, WASTE AND VENT LINES SHALL BE CONCEALED IN THE BUILDING CONSTRUCTION WHERE POSSIBLE.
- INVERT ELEVATIONS SHALL BE ESTABLISHED AND VERIFIED BEFORE WASTE PIPING IS INSTALLED IN ORDER THAT PROPER SLOPES WILL BE MAINTAINED.
- SANITARY WASTE AND VENT PIPING AND FITTINGS: SCHEDULE 40 PVC (ASTM D 2665) WITH SCHEDULE 40 SOCKET-TYPE PIPE FITTINGS (ASTM D 3311) MAY BE USED. DO NOT INSTALL PVC PIPING IN RETURN AIR PLENUMS. PVC FOAM CORE DWV PIPING NOT PERMITTED.
- SLOPE SANITARY WASTE PIPING 2-1/2" AND SMALLER AT 1/4" PER FOOT MIN. SLOPE SANITARY WASTE PIPING 3" AND LARGER AT 1/8" PER FOOT MINIMUM.
- WHERE WASTE PIPING IS EXPOSED IN REST ROOM AREAS, PROVIDE CHROME PLATED BRASS PIPING, WITH MATCHING STOPS AND ESCUTCHEONS. PROVIDE REMOVABLE TRAPS WITH INTEGRAL CLEAN-OUT PLUG FOR ALL LAVATORIES.
- INSTALL CLEAN-OUTS IN A LOCATION THAT PERMITS ACCESS FOR SERVICE WITHOUT DAMAGE TO THE BUILDING OR FINISHED MATERIALS. CLEANOUT PLUGS SHALL BE INSTALLED IN ACCORDANCE WITH PLUMBING CODE REQUIREMENTS AT EACH CHANGE IN DIRECTION.
- ALL INDIRECT WASTE CONNECTIONS TO BE INSTALLED WITH AN AIR GAP BETWEEN INDIRECT WASTE PIPE AND THE FLOOD RIM OF THE WASTE RECEPTOR SHALL BE MINIMUM OF TWICE THE EFFECTIVE OPENING OF THE INDIRECT WASTE PIPE.

SEISMIC REQUIREMENTS:

- PROPERLY SUPPORT AND BRACE VERTICALLY AND HORIZONTALLY ALL PIPING, APPARATUS, EQUIPMENT, ETC. IN ACCORDANCE WITH APPLICABLE CODES TO PREVENT EXCESSIVE MOVEMENT DURING SEISMIC CONDITIONS.

BACKFLOW PREVENTION:

- VERIFY BACKFLOW PREVENTOR REQUIREMENTS OF LOCAL AUTHORITY AND PROVIDE BACKFLOW PREVENTION DEVICES AS REQUIRED. COORDINATE LOCATION WITH OTHER TRADES.

WATER METER:

- VERIFY DOMESTIC WATER METER REQUIREMENTS OF LOCAL AUTHORITY AND PROVIDE DOMESTIC WATER METER AS REQUIRED. COORDINATE LOCATION WITH OTHER TRADES.

STORM DRAIN PIPING:

- STORM DRAIN PIPING AND FITTINGS: SCHEDULE 40 DWV PVC (ASTM D 2665) WITH SCHEDULE 40 SOCKET-TYPE PIPE FITTINGS (ASTM D 3311) MAY BE USED BELOW FIRST FLOOR SLAB.
- INSULATE HORIZONTAL STORM DRAIN PIPING ABOVE GRADE AND ROOF DRAIN BODIES WITH 1/2" ENGINEERED POLYMER FOAM INSULATION. THIS INCLUDES THE PRIMARY AND SECONDARY STORM DRAIN SYSTEMS.
- STORM DRAIN PIPING INSULATION, JACKETS, COVERINGS, SEALERS, MASTICS AND ADHESIVES ARE REQUIRED TO MEET A FLAME-SPREAD RATING OF 25 OR LESS AND A SMOKE-DEVELOPED RATING OF 50 OR LESS, AS TESTED BY ASTM E84 (NFPA 255) METHOD.
- INSTALL CLEAN-OUTS IN A LOCATION THAT PERMITS ACCESS FOR SERVICE WITHOUT DAMAGE TO THE BUILDING OR FINISHED MATERIALS.

GAS PIPING:

- WORK TO INCLUDE PIPING FROM GAS METER TO GAS FIRED EQUIPMENT. PLUMBING CONTRACTOR TO PROVIDE SHUT-OFF VALVE, DIRT TRAP AND PRESSURE REGULATOR AT THE GAS FIRED EQUIPMENT. FOOD SERVICE EQUIPMENT VENDOR SHALL PROVIDE SHUT-OFF VALVES FOR FOOD SERVICE EQUIPMENT (SEE "FOOD SERVICE EQUIPMENT NOTES" ON THIS SHEET FOR ADDITIONAL NOTES).
- ALL WORK SHALL BE IN ACCORDANCE WITH ALL APPLICABLE LOCAL CODE REQUIREMENTS, AND THE PROVISIONS OF NFPA-54 AND NFPA-88.
- THE CONTRACTOR SHALL SUPPLY ALL PERMITS, FEES AND LICENSES REQUIRED FOR THE WORK, AND FOR ALL INSPECTIONS REQUIRED.
- PIPE 3" AND SMALLER SHALL BE SCHEDULE 40 STEEL WITH TREAD-ON MALLEABLE FITTINGS.
- VALVES SHALL BE GAS COCKS MANUFACTURED BY NIBCO.
- ALL PIPING EXPOSED TO THE OUTDOORS OR RUN IN UNCONDITIONED SPACES SHALL BE PAINTED WITH TWO COATS OF RUST RESISTANT ENAMEL.
- ALL GAS PIPING WITH A SERVICE PRESSURE GREATER THAN 0.6PSI MUST BE IDENTIFIED PER NCFGC 410.1.
- PRESSURE TEST PORTS MUST BE PROVIDED AT ALL MP REGULATORS IN ACCORDANCE TO NCFGC 410.2.
- ALL GAS PIPING MUST COMPLY WITH NCFGC T.415.1

FOOD SERVICE EQUIPMENT NOTES

- FOOD SERVICE EQUIPMENT AND FIXTURES FURNISHED AND INSTALLED BY OTHERS, REFERENCE KITCHEN DRAWINGS FOR EQUIPMENT LOCATION AND REQUIREMENTS.
- PROVIDE FINAL CONNECTIONS TO EQUIPMENT WITH SHUT-OFF VALVES, PRESSURE REGULATORS, VACUUM BREAKERS, BACK FLOW PREVENTORS, UNIONS, FLEXIBLE CONNECTORS, FILTERS, DIRT LEGS, TRAPS, STOP VALVES, ETC. AS SPECIFIED, AS REQUIRED BY CODE, AND AS NECESSARY FOR COMPLETE AND OPERATING EQUIPMENT.
- CONNECT WASTE LINES OR EXTEND WASTE LINES TO FLOOR DRAINS WITH AIR GAP. CONNECT WATER SUPPLIES AND CONNECT GAS SUPPLIES.
- COORDINATE WITH GENERAL CONTRACTOR, OWNER AND FOOD SERVICE EQUIPMENT SUPPLIER/CONTRACTOR FOR EQUIPMENT IDENTIFICATION, CONNECTION REQUIREMENTS, EXACT LOCATIONS AND MOUNTING HEIGHTS. FURNISH ESCUTCHEON PLATES AT WALL ON FLOOR ENTRY INTO ROOM.
- INSTALL AUTOMATIC GAS SHUT-OFF VALVE IN GAS LINE UPSTREAM OF ALL KITCHEN EQUIPMENT AND CONNECT TO HOOD FIRE SUPPRESSION SYSTEM.
- BACKFLOW PROTECTION SHALL BE INSTALLED FOR BEVERAGE DISPENSER(S) IN ACCORDANCE WITH 2012 IPC SECTION 608.16.1.
- INDIRECT DRAINS FOR VEGETABLE SINK AND 4-COMPARTMENT SINK TO BE 2" TYPE-K COPPER.

PLUMBING FIXTURE SPECIFICATIONS AND CONNECTION SCHEDULE

MARK	KITCHEN EQUIPMENT ITEM NO.	FIXTURE	TYPE	MANUFACTURER	MODEL NO.	MATERIAL	STYLE	FAUCET/VALVE			DRAIN		PIPE SIZES				MOUNTING	REMARKS									
								SPOUT	HANDLES	CENTERS	TYPE	SIZE	WASTE	VENT	CW	HW											
P-1	---	PUBLIC WATER CLOSET	FLUSH VALVE	KOHLER	K-4926	VITREOUS CHINA	STANDARD ELONGATED	---	---	---	---	---	McGUIRE 166LK	4"	2"	1"	---	FLOOR	PROVIDE DEMIS COMM. 1955CT OPEN FRONT SEAT, PROVIDE HANDLE ON WIDE SIDE OF TOILET AREA.								
P-1A	---	PUBLIC WATER CLOSET	FLUSH VALVE	KOHLER	K-4926	VITREOUS CHINA	HANDICAP ELONGATED	---	---	---	---	---	McGUIRE 166LK	4"	2"	1"	---	FLOOR	PROVIDE DEMIS COMM. 1955CT OPEN FRONT SEAT, PROVIDE HANDLE ON WIDE SIDE OF TOILET AREA.								
P-2A	---	LAVATORY	WALL HUNG	KOHLER	K-2005-0	VITREOUS CHINA	ADA COMPLIANT	---	SINGLE LEVER	4"	6RD	1-1/2"	K-7608-CP	2"	1-1/2"	1/2"	1/2"	WALL HUNG									
P-3	---	URINAL	FLUSH VALVE	KOHLER	K-4981ET-0	VITREOUS CHINA	ADA COMPLIANT	---	---	---	---	---	---	1-1/2"	1-1/2"	3/4"	---	WALL HUNG	PROVIDE WITH CARRIER JR SMITH 0632								
P-4	3	HAND SINK	WALL MOUNT	TITAN STAINLESS	---	---	---	---	---	---	---	---	---	1-1/2"	1-1/2"	1/2"	1/2"	WALL HUNG	OWNER PROVIDED								
P-5	6	4-COMP. SINK	FREE STANDING	TITAN STAINLESS	CUSTOM BUILT	---	---	---	---	---	---	---	---	4" IND.	2"	1/2"	1/2"	FREE STANDING									
P-6	25	1-COMP. SINK	FREE STANDING	TITAN STAINLESS	CUSTOM BUILT	---	---	---	---	---	---	---	---	4" IND.	2"	1/2"	1/2"	FREE STANDING									
P-7	1	CAN WASH	---	---	---	---	---	---	---	---	---	---	---	4"	1-1/2"	3/4"	3/4"	GRADE	PROVIDE WITH 832-AA HOSE BRACKET, 888-CC MOP HANGER HANGER AND E-77-A GUARD								
P-8	13	BEVERAGE MACHINE	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---									
P-9	15	ICE MACHINE	VALVE BOX	IPS WATERTITE	W8700 SERIES WARRESTER	PVC	RECESSED BOX	---	---	---	---	---	---	---	---	---	---	1/2"	WALL MOUNTED								
P-10	---	WATER FILTER	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3/4"	---	WALL	OWNER PROVIDED						
P-11	31	MOP SINK	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3"	1-1/2"	1/2"	1/2"	FLOOR	PROVIDE WITH 832-AA HOSE BRACKET, 888-CC MOP HANGER				
HB	---	HOSE BIBB	STANDARD	WOODFORD	26PRC	---	---	---	---	---	---	---	---	---	---	---	---	---	1/2"	---	WALL						
FRH-1	---	ROOF HYDRANT	---	ZURN	Z13388-VB	---	---	---	---	---	---	---	---	---	---	---	---	---	1/8"	---	1/2"	---	ROOF	ANTI-FREEZE DRAIN PIPED TO NEAREST INTERIOR DRAIN.			
FRH-2	---	ROOF HYDRANT	---	ZURN	Z13388-VB	---	---	---	---	---	---	---	---	---	---	---	---	---	1/8"	---	1/2"	---	ROOF	ANTI-FREEZE DRAIN PIPED TO NEAREST INTERIOR DRAIN.			
FFHB-1	---	WALL HYDRANT	---	WOODFORD	22P	CHROME	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1/2"	---	WALL				
FFHB-2	---	WALL HYDRANT	---	WOODFORD	22P	CHROME	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1/2"	---	WALL			
RD	---	ROOF DRAIN	LARGE SUMP	ZURN	Z100-C	CAST IRON	POLYPR. DOME	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ROOF	INSULATE BODY AND LATERAL		
OD	---	OVERFLOW DRAIN	LARGE SUMP	ZURN	Z-100C	CAST IRON	POLYPR. DOME	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ROOF	INSULATE BODY AND LATERAL DISCHARGE NOZZLE SHALL BE SERIES 25010		
FDA	---	FLOOR DRAIN	---	ZURN	7415-SH-P	CAST IRON	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	FLOOR	EQUIPPED WITH 10# ROUND ADJUSTABLE NICKEL TYPE #3 STRAINER		
FSA	---	FLOOR SINK	---	ZURN	ZN2100-UPS-Z5	CAST IRON	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	FLOOR	12"MIN SANE-FLOOR RECEPTOR, 10# SUMP DEPTH WITH VANDAL-PROOF FLAT BOTTOM AND S6 GRATE.		
WCO	---	WALL CLEAN-OUT	ROUND	JOSAM	8890-PLG	STAINLESS STEEL	BRONZZE PLUG	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	WALL			
FCO	---	FLOOR CLEAN-OUT	---	ZURN	Z-1400	CAST IRON	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	FLOOR			
TP1	---	TRAP PRIMER	---	JR. SMITH	2698	CAST BRONZE	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
6WH-1	---	GAS WATER HEATER	TANKLESS	RINNAI	RUR98	---	DIRECT VENT	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	PROVIDE JAY R. SMITH MODEL# 2698 IF REQUIRED SIZE IS 1-1/4" OR 1-1/2"
6WH-2	---	GAS WATER HEATER	TANKLESS	RINNAI	RUC98	---	DIRECT VENT	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	15,200-199,000 BTU/HR. 0.26-9.8 6PM W/ RECIRC PUMP. SET AT 140 DEGREE F. DIRECT VENT SYSTEM.
6WH-3	---	GAS WATER HEATER	TANKLESS	RINNAI	RUC98	---	DIRECT VENT	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	15,200-199,000 BTU/HR. 0.26-9.8 6PM. SET AT 140 DEGREE F. DIRECT VENT SYSTEM.

NOTE: PLUMBING FIXTURE MANUFACTURER AND MODEL SPECIFICATIONS ARE FOR TYPICAL FIXTURES, OWNER AND G.C. APPROVED EQUALS MAY BE USED. EXPOSED PIPE COVERS TO BE INSTALLED ON ALL SINKS WITH EXPOSED PIPING.

PLUMBING LEGEND

---	DOMESTIC COLD WATER PIPING	E-1	FIXTURE DESIGNATION
---	140F DOMESTIC HOT WATER PIPING	A.F.F.	ABOVE FINISHED FLOOR
---	140F HOT WATER RECIRC PIPING	P.C.	PLUMBING SUB-CONTRACTOR
---	VENT PIPING	G.C.	GENERAL CONTRACTOR
---	WASTE (SANITARY SEWER)	M.C.	MECHANICAL SUB-CONTRACTOR
---	GREASE WASTE	E.C.	ELECTRICAL SUB-CONTRACTOR
---	RAIN LEADER PIPING	FCO	FLOOR CLEAN OUT
---	OVERFLOW RAIN LEADER PIPING	YCO	YARD CLEAN OUT
---	GAS PIPING	AAV	AIR ADMITTANCE VALVE
---	FIRE LINE	VTR	VENT THROUGH ROOF
---	FILTERED COLD WATER LINE	FFHB	FREEZE PROOF HOSE BIBB
---	TRAP PRIMER WATER LINE	F.D.	FLOOR DRAIN
---	GATE VALVE	CW	COLD WATER
---	BALANCING VALVE	HW	HOT WATER
---	CHECK VALVE	⊕	TIE INTO EXISTING
---	PIPE UP		
---	PIPE DOWN		

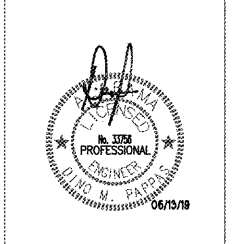
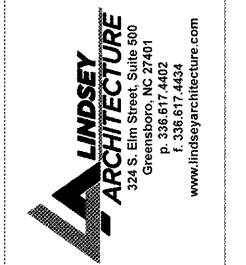
SHOCK ARRESTOR SCHEDULE

P.D.I. SIZE	FIXTURE UNITS	MANUFACTURER (OR EQUAL)
SAN	1 - 11	PP1, SIOUX-CHIEF, SMITH, ZURN
SAB	12 - 32	PP1, SIOUX-CHIEF, SMITH, ZURN
SAC	33 - 60	PP1, SIOUX-CHIEF, SMITH, ZURN
SAD	61 - 113	PP1, SIOUX-CHIEF, SMITH, ZURN
SAE	114 - 154	PP1, SIOUX-CHIEF, SMITH, ZURN
SAP	155 - 330	PP1, SIOUX-CHIEF, SMITH, ZURN

- NOTES:
- LOCATE SHOCK ARRESTORS IN AN ACCESSIBLE LOCATION, OR PROVIDE SIOUX-CHIEF SHOCK ARRESTORS ONLY.
 - SHOCK ARRESTORS SHALL BE SAME SIZE AS PIPE INSTALLED ON MINIMUM.
 - PROVIDE SHOCK ARRESTORS AS INDICATED PER SCHEDULE.

PLUMBING DRAWING INDEX

P1	PLUMBING LEGEND, SCHEDULES AND NOTES
P2	SANITARY WASTE PLAN
P3	WATER PIPING PLAN
P4	GAS PIPING PLAN
P5	ROOF DRAINAGE AND GAS PIPING PLAN
P6	PLUMBING RISERS
P7	PLUMBING DETAILS
P8	PLUMBING DETAILS



VP ENGINEERING
VRETTOS PAPPAS CONSULTING ENGINEERS, P.A.
PO Box 31041, Charlotte, NC 28231
2515 Edgewood Pkwy, Suite 110, Charlotte, NC 28217
704.372.7555 www.vpe.com

COOK-OUT
 2557 COBBES FORD RD PRATTVILLE, AL 36066

Mk	Date	Description

PLUMBING LEGEND, SCHEDULES AND NOTES

Date: 06/13/19
 Drawn By: PNK
 Check By: AWC
 Job No.: 19-037
 Sheet:

P1