

PLUMBING LEGEND			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	TRAP PRIMER		DIRECTION OF SLOPE
	BALL VALVE		DIRECTION OF FLOW
	BUTTERFLY VALVE		PIPE UP OR UP & DN
	GATE VALVE		PIPE DOWN
	BALANCING VALVE		PIPE DROP
	CHECK VALVE		TOP CONNECTION - BRANCH LINE
	PRESSURE REDUCING VALVE		BOTTOM CONNECTION - BRANCH LINE
	AUTOMATIC AIR VENT		FIRE MAIN
	CIRCUIT SETTER		AUTOMATIC WET SPRINKLER
	BACKWATER VALVE		COLD WATER
	UNION		HOT WATER (120°F)
	STRAINER		HOT WATER CIRC (110°F)
	STRAINER WITH BLOW OFF		HOT WATER CIRC (140°F)
	FLEXIBLE CONNECTOR		HOT WATER CIRC (122°F)
	CAP OR PLUG		SANITARY SEWER, WASTE OR SOIL BELOW GRADE OR FLOOR
	BLIND FLANGE		STORM DRAIN
	CONCENTRIC REDUCER		PIPING BELOW GRADE
	ECCENTRIC REDUCER		WASTE, OR SOIL ABOVE GRADE OR FLOOR
	WATER HAMMER ARRESTOR		VENT
	PRESSURE GAUGE WITH COCK		DRAIN LINE
	THERMOMETER		EXISTING PIPE
	CLEANOUT/WALL CLEANOUT		WASTE STACK
	FLOOR CLEANOUT		VENT STACKS
	YARD CLEANOUT		COLD WATER RISER
	HOSE BIBB		PLANTER DRAIN
	FLOOR DRAIN		PLUMBING EQUIPMENT
	METER TAG		SHEET NOTE
			DETAIL NO.
			SHEET NO.
			WATER FLOW METER
			POINT OF CONNECTION
			POUNDS OR NUMBER

ABBREVIATIONS			
ABV	ABOVE	ICBO	INTERNATIONAL CONFERENCE OF BUILDING OFFICIALS
AD	ACCESS DOOR	I.E.	INVERT ELEVATION
ADA	AMERICANS WITH DISABILITIES ACT	I.R.R.	IRRIGATION
AFF	ABOVE FINISHED FLOOR	LAV	LAVATORY
AFG	ABOVE FINISHED GRADE	LBS	POUNDS (UNIT OF FORCE)
AP	ACCESS PANEL	LP	LUBRICATED PLUG VALVE
ARCH	ARCHITECT	MAX	MAXIMUM
ASR	AUTO FIRE SPRINKLER RISER	MBH	THOUSANDS BTU/HR
BEL	BELOW	MECH	MECHANICAL
BFV	BUTTERFLY VALVE	MFR	MANUFACTURER
BHP	BRAKE HORSEPOWER	MIN	MINIMUM
BTU	BRITISH THERMAL UNIT	MH	MANHOLE
BV	BALL VALVE	N.C.	NORMALLY CLOSED
BWV	BACKWATER VALVE	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
CA	COMPRESSED AIR	NO.	NUMBER
CD	CONDENSATE DRAIN	N.O.	NORMALLY OPEN
CF	CAP FOR FUTURE	NIC	NOT IN CONTRACT
CFH	CUBIC FEET PER HOUR	OF	OWNER FURNISHED CONTRACTOR
CFM	CUBIC FEET PER MINUTE	OW	OIL WASTE
CFS	CUBIC FEET PER SECOND	POC	POINT OF CONNECTION
CI	CAST IRON	PLBG	PLUMBING
CLG	CEILING	PRV	PRESSURE REDUCING VALVE
CO	CLEANOUT	PS	PRESSURE SWITCH
CONC	CONCRETE	PSI	POUNDS PER SQUARE INCH
CONN	CONNECTION	PT	PRESSURE TEMPERATURE TRAP (PETE'S PLUG)
CONTR	CONTRACTOR	PV	PROCESS VENT
CONT	CONTINUATION	PV	PLUG VALVE
CS	CIRCUIT SETTER	RI&C	RISER IN AND CONNECTION
CV	CHECK VALVE	RPBFP	REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTER
CW	COLD WATER	RPM	REVOLUTIONS PER MINUTE
CW(FU)	COLD WATER FIXTURE UNIT	RV	RELIEF VALVE
DN	DOWN	SF	SQUARE FEET
DCVA	DOUBLE CHECK VALVE ASSEMBLY	SHT	SHEET
DDCVA	DOUBLE DETECTOR CHECK VALVE ASSEMBLY	SN	SHEET NOTE
DFU	DRAINAGE FIXTURE UNIT	SOV	SHUT-OFF VALVE
HWR	HOT WATER RECIRC	SPR	SPRINKLER
DIA	DIAMETER	S.S.	STAINLESS STEEL
D	DRAIN	SV	SOLENOID VALVE
DWG	DRAWING	TP	TRAP PRIMER
DWV	DRAINAGE WASTE AND VENT	TT	TEST TEE
EX	EXISTING	TYP	TYPICAL
ELEC	ELECTRICAL	U	URINAL
FIN	FINISHED	UN	UNION
FLOOR	FLOOR	VB	VACUUM BREAKER
FLSW	FLOW SWITCH	V	VENT
FO	FUEL OIL	VTR	VENT THROUGH ROOF
FPS	FEET PER SECOND	W	WASTE
FRM	FROM	WC	WATER CLOSET
FT	FEET	WCO	WATER HAMMER ARRESTOR
FT	FLUSH TANK	W/	WITH
(FU)	FIXTURE UNIT	WGT	WEIGHT
FUT	FUTURE	Y.B.	YARD BOX
FV	FLUSH VALVE		
GAL	GALLONS		
GPH	GALLONS PER HOUR		
GPM	GALLONS PER MINUTE		
GV	GATE VALVE		
HD	HUB DRAIN		
HP	HORSEPOWER		
HW	HOT WATER		
HWFU	HOT WATER FIXTURE UNIT		
IAPMO	INTERNATIONAL ASSOCIATION OF PLUMBING AND MECHANICAL OFFICIALS		

- GENERAL NOTES - PLUMBING**
- ALL WORK AND MATERIAL SHALL BE IN ACCORDANCE WITH DIVISION 22 SPECIFICATIONS.
 - AS-BUILT RECORD DOCUMENTS: AT PROJECT CLOSEOUT, CONTRACTOR SHALL SUBMIT DETAILED INSTALLATION DRAWINGS, CHANGE ORDERS AND SPECIFICATION CHANGES TO ARCHITECT FOR APPROVAL. REFER TO SPECIFICATIONS FOR ADDITIONAL DETAILS.
 - DETAILED INVESTIGATION OF EXISTING CONDITIONS ARE PART OF THE CONTRACT WORK. VISIT THE JOB SITE PRIOR TO BID. REVIEW AVAILABLE EQUIPMENT LAYOUTS, ASSEMBLY DRAWINGS AND INSTALLATION SCHEDULES.
 - DOMESTIC WATER HAS BEEN ENGINEERED. CONTRACTOR SHALL NOT USE APPENDIX "A" OF UPC TO RESIZE ANY LINES. RESIZING OF ANY LINES SHALL BE PERMITTED FOR WRITTEN APPROVAL BY ENGINEER ONLY PRIOR TO COMMENCING OF ANY CONSTRUCTION.
 - BARRIER FREE REQUIREMENTS: CONDITIONS HAVE BEEN DESIGNED TO PROVIDE FIXTURES IN ACCORDANCE WITH A.D.A. AND LOCAL JURISDICTION REGULATIONS. CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS AND REPORT TO ARCHITECT OR OWNER'S REPRESENTATIVE WHEN FIELD CONDITIONS PREVENT CORRECT INSTALLATION.
 - ALL PIPES, AND RELATED EQUIPMENT SHALL BE SUPPORTED AND BRACED PER THE 2011 SMACNA "GUIDELINES FOR SEISMIC RESTRAINTS OF MECHANICAL SYSTEMS AND PLUMBING PIPING SYSTEMS" OR PER 2003 THE "SUPERSTRUT SEISMIC RESTRAINT SYSTEM" OR PER 2014 THE "B-LINE SEISMIC RESTRAINT SYSTEM" FOR PIPES AND CONDUITS. ONLY SUPPORT SPACING SHALL CONFORM WITH UNIFORM PLUMBING CODE.
 - PENETRATIONS OF RATED ASSEMBLIES SHALL BE FIRE-STOPPED. FIRE STOPPING SHALL BE AN APPROVED MATERIAL AS PRESCRIBED BY FIRE MARSHAL STANDARDS.
 - ROUTING OF PLUMBING PIPING SYSTEMS AND MECHANICAL PIPING SYSTEMS SHALL BE COORDINATED. PROVIDE COMMON SUPPORTS WHERE POSSIBLE.
 - MAKE ALL ROUGH-INS AND FINAL CONNECTIONS IN CONFORMANCE WITH LOCAL CODES, PROVIDE SHUT-OFF VALVES WITH PERMANENT NAME TAGS IDENTIFYING SUPPLY LINES TO EACH INDIVIDUAL PIECE OF EQUIPMENT. INCLUDE TRAPS, TAIL PIECES, AND LINE STRAINERS AS REQUIRED.
 - PROVIDE AND INSTALL ALL SINK WASTE LINES, USE COPPER TUBING UNEXPOSED & PAINT WHERE LINES ARE VISIBLE.
 - UNDER PLUMBING WORK OF DIVISION 22, INSTALL & CONNECT FAUCETS.
 - PROVIDE AND INSTALL STAINLESS STEEL OR CHROME PLATED ESCUTCHEON PLATES FOR ALL WATER LINES PENETRATING WALLS BELOW COUNTERS.

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 PROJECT #006-151817-00/#006-151412-00

Order Plans @

PLUMBING DRAWING LIST	
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P-002	SCHEDULES - PLUMBING
P-110	OVERALL PLUMBING PLAN
P-111	PARTIAL PLUMBING PLAN
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ISSUED / REVISED	DATE
FEASIBILITY SET	08/10/17
PRELIMINARY SET	09/28/17
LL CD SET	11/30/17
PERMIT SET	12/18/17
BID SET	01/04/18

INFORMATION AND DRAWING LIST - PLUMBING
P-001