

PLUMBING LEGEND

AFF	.....	ABOVE FINISHED FLOOR	---	(CW)	COLD WATER
ARCH	.....	ARCHITECTURAL	---	(HW)	HOT WATER
B.G.	.....	BELOW GRADE	---	(HWR)	HOT WATER RECIRC
BTU	.....	BRITISH THERMAL UNIT	-/-	(HT)	HOT WATER HEAT TRACED
CAP.	.....	CAPACITY	---	(W)	BELOW GRADE WASTE
C.I.	.....	CAST IRON	---	(W)	ABOVE GRADE WASTE
COMP.	.....	COMPARTMENT	-V-	(V)	VENT
CONT.	.....	CONTINUATION	RD	(RD)	RAIN DRAIN
CU.	.....	CUBIC	OD	(OD)	OVERFLOW RAIN DRAIN
DF	.....	DRINKING FOUNTAIN	FDC	(FDC)	FIRE DEPARTMENT CONNECTION
DI	.....	DEIONIZED (WATER)	A	(A)	COMPRESSED AIR
DIAL	.....	DIAMETER	PHW	(PHW)	PROCESS HOT WATER
ELEV.	.....	ELEVATION	PCW	(PCW)	PROCESS COLD WATER
EW	.....	ELECTRIC WATER COOLER	VAC	(VAC)	VACUUM
FD	.....	FLOOR DRAIN	G	(G)	NATURAL GAS
FDC	.....	FIRE DEPARTMENT CONNECTION	F	(F)	FIRE WATER
F.F.	.....	FINISH FLOOR			
FLG.	.....	FLANGE			
FT	.....	FOOT / FEET			
G	.....	GAS			
GAL.	.....	GALLONS			
GALV.	.....	GALVANIZED			
GPM	.....	GALLONS PER MINUTE			
G.V.	.....	GATE VALVE			
HP	.....	HORSEPOWER			
HR.	.....	HOUR			
I.E.	.....	INVERT ELEVATION			
kw	.....	KILOWATT			
LAV	.....	LAVATORY			
LBS	.....	POUNDS			
MAX.	.....	MAXIMUM			
MBH	.....	THOUSANDS OF BTUS PER HOUR			
MIN.	.....	MINIMUM			
M.J.	.....	MECHANICAL JOINT			
N.I.M.	.....	NOT IN MECHANICAL			
OS&Y	.....	OUTSIDE STEM & YOKE			
PROT.	.....	PROTECTION			
PRV	.....	PRESSURE REDUCING VALVE			
PSI, PSIG	.....	POUNDS PER SQUARE INCH			
P/T	.....	PRESSURE / TEMPERATURE			
REQ'D	.....	REQUIRED			
RPBP	.....	REDUCED PRESSURE BACKFLOW PREVENTER			
RPM	.....	REVOLUTIONS PER MINUTE			
TYP.	.....	TYPICAL			
UR	.....	URINAL			
VTR	.....	VENT THROUGH ROOF			
WC	.....	WATER CLOSET			

	.....	EQUIPMENT MARK NUMBER		.....	PRESSURE/TEMP RELIEF VALVE
	.....	FIXTURE MARK		.....	BUTTERFLY VALVE
	.....	EXISTING		.....	GAS PRESSURE REGULATING VALVE
	.....	NOTE		.....	TOP CONNECTION
	.....	CONNECT TO EXISTING		.....	BOTTOM CONNECTION
	.....	CAP		.....	PIPE TURNED UP, PIPE TURNED DOWN
	.....	TEE		.....	GATE VALVE
	.....	ELBOW		.....	BALL VALVE
	.....	CLEANOUT		.....	BALANCING VALVE
				.....	CHECK VALVE
				.....	UNION
				.....	DOUBLE CHECK ASSEMBLY

PLUMBING CONNECTION SCHEDULE

MARK	FIXTURE	W	V	CW	HW105	HW140	G	REMARKS
WC-1	WATER CLOSET	3"	2"	1"	-	-	-	FLOOR MOUNT, SENSOR FLUSH VALVE, 1.1 GPF
WC-2	WATER CLOSET	3"	2"	1"	-	-	-	FLOOR, SENSOR FLUSH VALVE, ADA 1.1 GPF
UR-1	URINAL	2"	2"	1"	-	-	-	WALL HUNG, SENSOR FLUSH VALVE, 0.125 GPF
LV-1	LAVATORY	1-1/2"	1-1/2"	1/2"	1/2"	-	-	RECT., WALL HUNG, 0.35GPM SENSOR*
LV-2	LAVATORY	1-1/2"	1-1/2"	1/2"	1/2"	-	-	RECT., COUNTER MOUNT, 0.35GPM SENSOR*
S-1	SINK(WELLNESS)	1-1/2"	1-1/2"	1/2"	1/2"	-	-	1-COMP, STAINLESS STEEL, 1.5 GPM, ADA
S-2	SINK(KITCHEN)	1-1/2"	1-1/2"	1/2"	1/2"	-	-	2-COMP, STAINLESS STEEL, 1.5 GPM, ADA
S-3	SINK (BREAK)	1-1/2"	1-1/2"	1/2"	1/2"	-	-	1-COMP, STAINLESS STEEL, 1.5 GPM, ADA
SH-1	SINK	2"	1-1/2"	1/2"	1/2"	-	-	1.5 GPM SHOWER HEAD
HB-1	HOSE BIBB	-	-	3/4"	-	-	-	NON-FREEZE
FD-1	FLOOR DRAIN	3"	V.L.	-	-	-	-	J.R. SMITH 2005A (ROUND)
DF-1	DRINKING FOUNTAIN	1-1/2"	1-1/2"	1/2"	-	-	-	DUAL HEIGHT WITH COOLER
RD-1	RAIN DRAIN	3"	-	-	-	-	-	JR SMITH #1010
OD-1	OVERFLOW	3"	-	-	-	-	-	JR SMITH #1080
RC-1	REFRIGERATOR CONNECT	-	-	1/2"	-	-	-	GUY GRAY BIM 875

V.L. - VENTED LINE
* HARD WIRED

GAS WATER HEATERS	
MARK NUMBER	
FUEL	NATURAL GAS
CAPACITY (GAL)	60
INPUT RATE (MBH)	125
RECOVERY CAP. @ 140F TR (GPH)	145
EFFICIENCY (%)	94
GAS VENT/COMBUSTION AIR DIA. (PP)	3"
DESIGN WEIGHT (LBS)	1450
BASIS OF DESIGN: BRADFORD WHITE	EF-60T-125

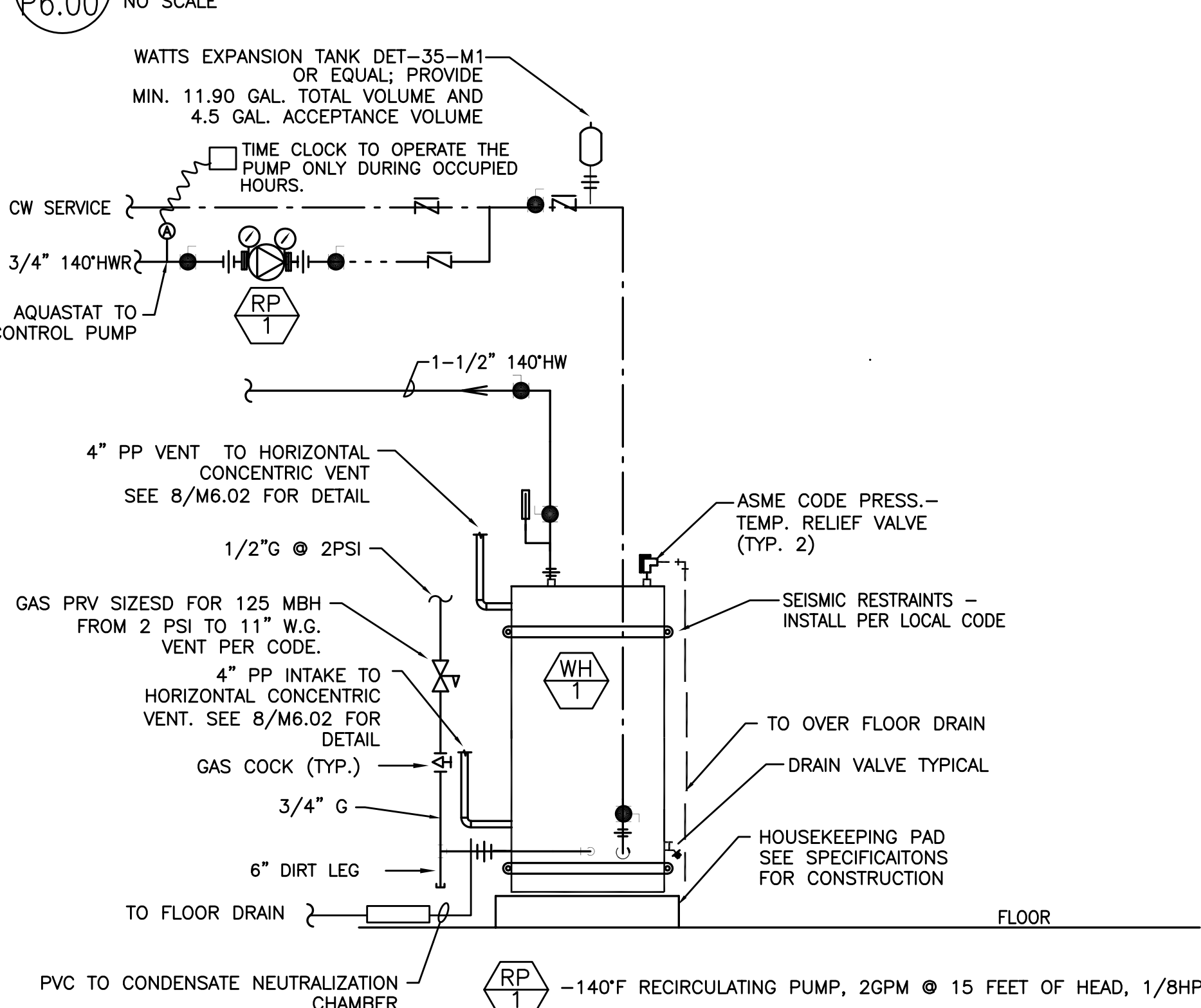
SUMP PUMP	
MARK NUMBER	
SYSTEM	ELEVATOR
TYPE	SUMP
FLOW RATE (GPM)	50
HEAD (FT H2O)	15
POWER (HP)	1/2 HP

GREASE INTERCEPTOR	
MARK NUMBER	
NOTE 1	KITCHEN
SERVICE	KITCHEN
CAPACITY (GPM)	25 GPM
INLET/OUTLET PIPE SIZE	3"
DESIGN WEIGHT-WET (LBS)	2313 LBS
BASIS OF DESIGN	SCHIER GB-25
QTY	1

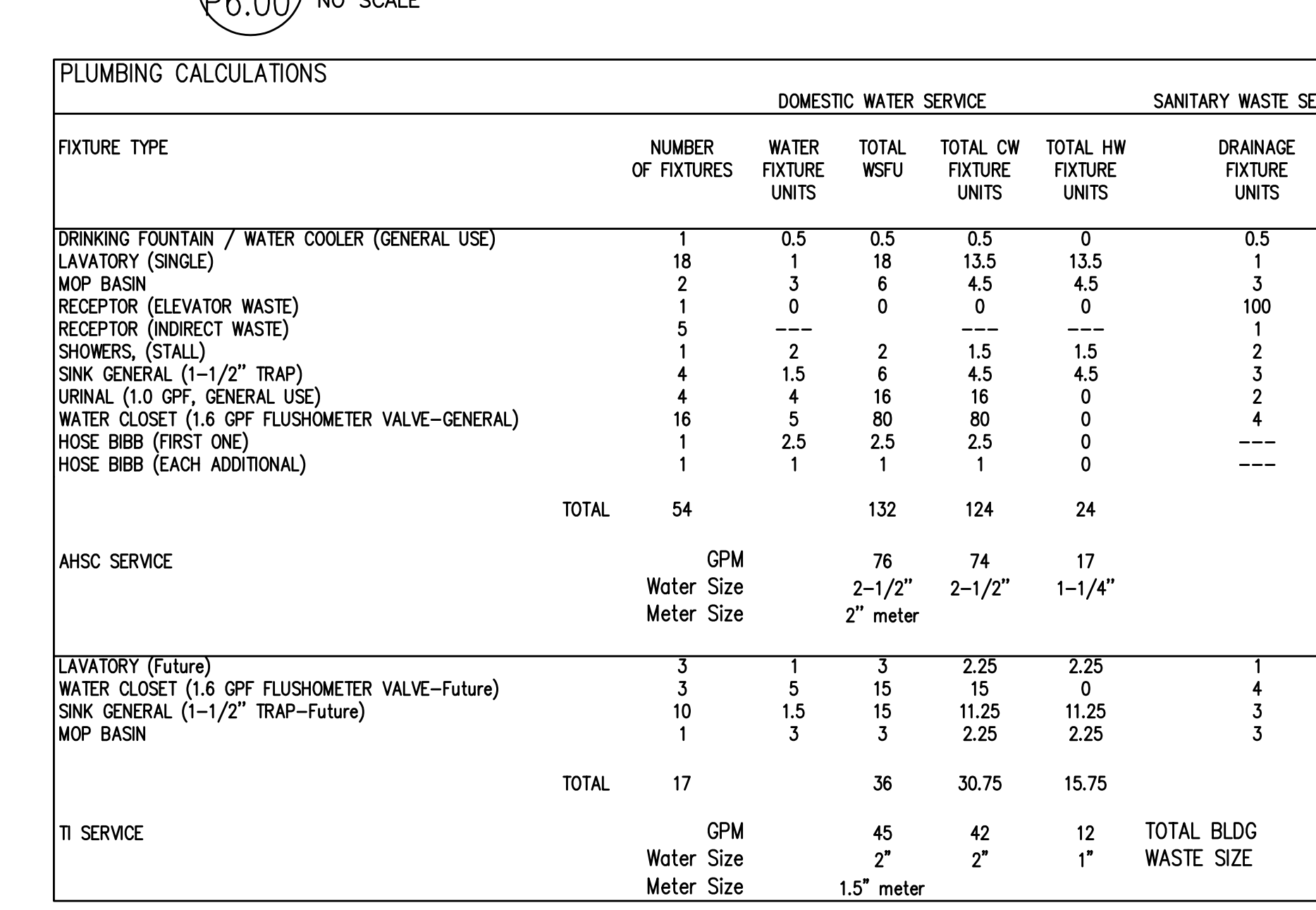
NOTES:
1. PROVIDE WITH BUILT IN FLOW CONTROL & BUILT IN TEST CAP

Grease Interceptor Calculations			
FIXTURE TYPE	NUMBER OF FIXTURES	DRAINAGE FIXTURE UNITS	TOTAL DFU
KITCHEN SINK	1	2	2
		TOTAL	2
HYDROMECHANICAL INTERCEPTOR (MIN. SIZE)		25	GPM

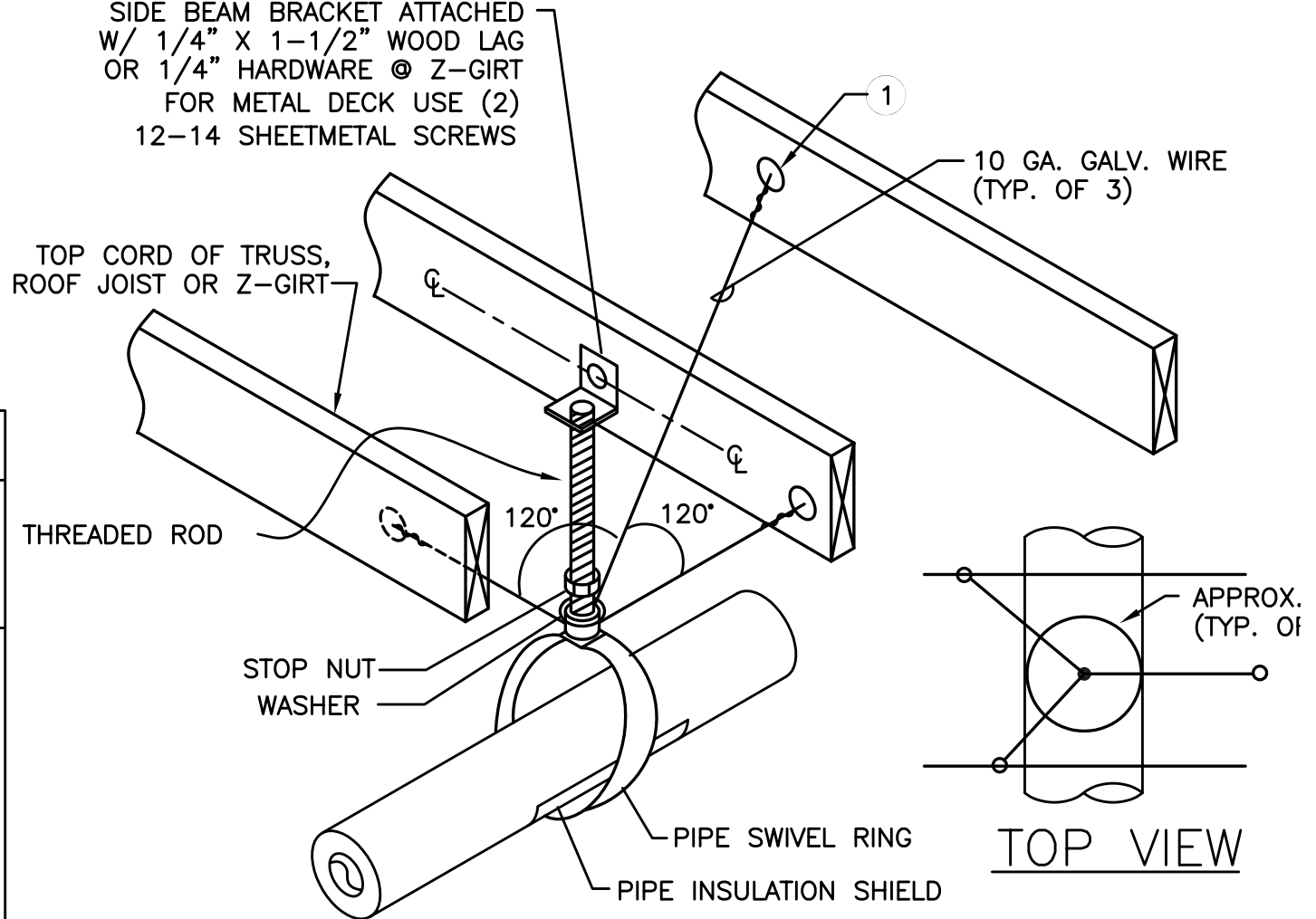
1 FIRE RISER DIAGRAM



3 WATER HEATER PIPING DIAGRAM



FIXTURE TYPE	NUMBER OF FIXTURES	DOMESTIC WATER SERVICE			SANITARY WASTE SERVICE		
		WATER FIXTURE UNITS	TOTAL WSFU	TOTAL CW FIXTURE UNITS	TOTAL HW FIXTURE UNITS	DRAINAGE FIXTURE UNITS	TOTAL DFU
DRINKING FOUNTAIN / WATER COOLER (GENERAL USE)	1	0.5	0.5	0.5	0	0.5	0.5
LAVATORY (SINGLE)	18	1	18	13.5	13.5	1	18
MOP BASIN	2	3	6	4.5	4.5	3	6
RECEPTOR (ELEVATOR WASTE)	1	0	0	0	0	100	100
RECEPTOR (INDIRECT WASTE)	5	0	0	0	0	5	5
SHOWERS (STALL)	1	2	2	1.5	1.5	2	2
SINK GENERAL (1-1/2\"/>							



5/P6.00NOTES

1 - 1/4\"/>

5 PIPE SUPPORT

SCALE: DETAIL

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PERMIT SET

issue:	date:
100% SD	10.15.15
50% DD	12.09.15
100% DD	02.05.16
50% CD	03.30.16
75% CD	04.27.16
PERMIT SET	07.22.16

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1 PERMIT REV (ADD 1)	01.24.17
2 PERMIT REV 2	02.09.17
3 PERMIT REV 3	03.08.17
4 CONST SET REV 4	03.31.17

PLUMBING SCHEDULES & DETAILS

sheet:

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