

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 —	(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
DIA.	.....	DIAMETER	— AW —	(AW) ACID WASTE
ELEV.	.....	ELEVATION	— PCW —	(PCW) PROCESS COLD WATER
EWC	.....	ELECTRIC WATER COOLER	— 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		
GA.	.....	GAUGE		
GALV.	.....	GALVANIZED		
GPM	.....	GALLONS PER MINUTE		
G.V.	.....	GATE VALVE		
HP	.....	HORSEPOWER		
HR.	.....	HOURLY		
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		
TYF.	.....	TYPICAL		
UR	.....	URINAL		
VTR	.....	VENT THROUGH ROOF		
WC	.....	WATER CLOSET		

	.....	EQUIPMENT MARK NUMBER		.....	PRESSURE/TEMP RELIEF VALVE
	.....	FIXTURE MARK		.....	BUTTERFLY VALVE
(E)	.....	EXISTING		.....	GAS PRESSURE REGULATING VALVE
	.....	NOTE		OR	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

GENERAL KITCHEN NOTES:

KITCHEN EQUIPMENT LAYOUT IS BASED ON EQUIPMENT AND INFORMATION PROVIDED BY OWNER.. CONTRACTOR TO VERIFY AND COORDINATE KITCHEN EQUIPMENT MANUFACTURERS' MECHANICAL, ELECTRICAL, AND PLUMBING REQUIREMENTS PRIOR TO INSTALLATION.

SEE FOOD SERVICE PLANS FOR KITCHEN EQUIPMENT LAYOUT AND DETAILS. CONTRACTOR TO VERIFY AND COORDINATE KICHEN EQUIPMENT CONNECTIONS PRIOR TO INSTALLATION.

GREASE INTERCEPTOR

MARK NUMBER	NOTES 1, 2,
SERVICE	KITCHEN
CAPACITY (GPM)	75 GPM
GREASE (LB)	616 LBS
INLET/OUTLET PIPE SIZE	4"
DESIGN WEIGHT--WET (LBS)	1175 LBS
BASIS OF DESIGN	SCHIER GB--75
QTY	1

- NOTES:
1. PROVIDE WITH SR24 TELEGLIDE RISER ADAPTER AND SV--24 SAMPLING PORT.
  2. PROVIDE WITH BUILT IN FLOW CONTROL & BUILT IN TEST CAP

Hydromechanical Grease Interceptor Calculations							
CPC Table 1014.2.1							
Diameter of Grease Waste Pipe	3"	GW					
Maximum full pipe flow	60	GPM					
One minute Drainage Period	75	gpm					
DESIGN: SCHIER GB 75, 75 GPM @ 616 LB GREASE CAPACITY							
PLUMBING CALCULATIONS-BUILDING		DOMESTIC WATER SERVICE			SANITARY WASTE SERVICE		
FIXTURE TYPE	NUMBER OF FIXTURES	WATER FIXTURE UNITS	TOTAL WSFU	TOTAL CW FIXTURE UNITS	TOTAL HW FIXTURE UNITS	DRAINAGE FIXTURE UNITS	TOTAL DFU
HANDSINK	3	2	6	4.5	4.5	2	6
PRE-RINSE sink	1	2	2	1.5	1.5	FLOOR SINK	
3-COMP SINK	1	3	3	2.25	2.25	FLOOR SINK	
1 COMP SINK(CHEF/DUMP SINK)	4	2	8	6	6	FLOOR SINK	
FLOOR SINK	13	0	0	0	0		13
WASTE COLLECTOR	1	2	2	1.5	1.5	2	2
ICE TEA	1	0.5	0.5	0.5	0	FLOOR SINK	
HW DISPENSER	1	0.5	0.5	0.5	0	FLOOR SINK	
COFFEE MACHINE	1	0.5	0.5	0.5	0	FLOOR SINK	
HOTWELL	1	0.5	0.5	0	0.5	FLOOR SINK	
ICE MAKER	1	0.5	0.5	0.5	0	FLOOR SINK	
							PIPE SIZE
DISHWASHER (52.2GPH)	1	2	2	0	2	Grease waste F.U.	19
							3" GW
TOTAL	29		25.5	17.75	18.25	Sanitary Sewer F.U.	2
							PIPE SIZE
WATER DEMAND	18	GPM	MINIMUM 1-1/4"CW			TOTAL SEWER	21 F.U.
							3"W

Food Prep Appliances				
ITEM	DESCRIPTION	QUANTITY	TOTAL QUANTITY	GAS INPUT,MBH
#44	RANGE WITH CONVECTION OVEN	1	1	110
#70	DECK OVEN	1	1	188
#72	GRIDDLE	1	1	64
#75	FRYER	1	1	122
TOTAL		4		484

GAS PIPING SIZED BASED ON TOTAL LOAD AND MAXIMUM DISTANCE TO REMOTE OUTLET OF 75 FEET.  
PIPING SIZED BASED ON TABLE IN THE CALIFORNIA MECHANICAL CODE. (2 PSI INITIAL PRESSURE, 1.0 PSI DROP)  
MIN PIPE SIZE = 3/4"

PLUMBING CONNECTION SCHEDULE

MARK	FIXTURE	W	V	CW	HW	REMARKS
FS-1	FLOOR SINK	3"	1-1/2"			HALF GRATE, JR SMITH

KITCHEN EQUIPMENT PLUMBING CONNECTION SCHEDULE( BY K.E.S.)											
ITEM NO	EQUIPMENT CATEGORY	CW	HW	W	GW	V	INDRECT DRAIN	GAS	MBTUH	EQUIPMENT REMARKS	BACKFLOW DEVICES
8,9	TWO-COMP PREP SINK	1/2"	1/2"				(2)1-1/2"			DRAIN TO FS	SEE NOTE 1 BELOW FOR SPECIFIC REQ'TS
16	HAND SINK WITH FAUCET	1/2"	1/2"		2"	1-1/2"					AIR GAP
19,21	3-COMP SINK W/PRE-RINSE	1/2"	1/2"				2"			DRAIN TO FS,	HANDLE EQUIPPED WITH RETAINER SPRING.
26	DISHWASHER		3/4"				1-1/2"			DRAIN TO FS; DO NOT CONNECT TO GREASE WASTE	DOUBLE CHECK BFPA
27	TABLE DRAIN						2"			DRAIN TO FS	
28	WASTE COLLECTOR	3/4"	3/4"		2"	1-1/2"					DOUBLE CHECK BFPA
57,58	CHEF SINK	1/2"	1/2"				1-1/2"			DRAIN TO FS	AIR GAP
64,65	CHEF SINK	1/2"	1/2"				1-1/2"			DRAIN TO FS	AIR GAP
78	CONVECTION STEAMER	3/4"					1-1/4"			DRAIN TO FS	DOUBLE CHECK BFPA
79	FILTER FOR CONVECTION STEAMER									TO #78	
87	ICE TEA BREWER	1/2"									DOUBLE CHECK BFPA
90	HOT BEVERAGE DISPENSER	1/2"									DOUBLE CHECK BFPA
91,92	DUMP SINK	1/2"	1/2"			1-1/2"				DRAIN TO FS	DOUBLE CHECK BFPA
95	COFFE MAKER AIRPOT	1/4"									DOUBLE CHECK BFPA
106	HOT FOOD TABLE/WELL	1/2"				1/2"				DRAIN TO FS	DOUBLE CHECK BFPA
112	DROP IN SOUP WARMER	1/4"				1/2"				DRAIN TO FS	DOUBLE CHECK BFPA
125	ICE MAKER	1/2"				3/4"				DRAIN TO FS	DOUBLE CHECK BFPA
126	FILTER FOR #125	1/2"								TO #125	
130,131	DUMP SINK	1/2"	1/2"			1-1/2"				DRAIN TO FS	AIR GAP
44	RANGE WITH CONVECTION OVEN							3/4"	(2)55 MBH		
70	DECK OVEN							3/4"	188 MBH		
72	GRIDDLE							3/4"	64 MBH		
75	FRYER							3/4"	122 MBH		

PROVIDE CLEAN-OUTS BELOW ALL SINKS AND LAVS.  
PROVIDE TRAP PRIMERS FOR ALL FLOOR DRAINS AND FLOOR SINKS  
GW - GREASE WASTE  
V.L. - VENTED LINE  
IDW - INDIRECT WASTE

KES - EQUIPMENT SUPPLIED BY KITCHEN EQUIPMENT SUPPLIER (KES) OR OWNER. ALL ROUGH IN WORK AND FINAL CONNECTIONS PLUMBING CONTRACTOR PLUMBING CONTRACTOR TO PROVIDE ALL TRAPS, STOPS AND OTHER REQUIRED ACCESSORIES. SEE KITCHEN PLUMBING ROUGH-IN PLANS FOR ALL ROUGH-IN DIMENSIONS OF ALL KITCHEN EQUIPMENT.

--SEE KITCHEN ROUGH IN PLANS FOR EXACT LOCATIONS, AND MOUNTING HEIGHTS (RECESSED, FLUSH OR WITH LIP ABOVE FLOOR) FOR ALL FLOOR SINKS.

--ALL FIXTURES LISTED WITH A J.R. SMITH NUMBER ARE FOR A BASIS OF DESIGN AND MAY BE MANUFACTURED BY J.R. SMITH, ZURN, WADE, JOSAM, MIFAB, OR EQUAL

NOTE 1: BACKFLOW REQUIREMENTS AND STANDARDS.  
- AIR GAP (ASSE A112.1.2) SHALL MEET THE MINIMUM AIR GAPS REQUIRED PER UPC TABLE 603.3.1.  
- DOUBLE CHECK BFPA (ASSE 1015): INSTALL HORIZONTALLY AND PROVIDE ACCESS AND CLEARANCE PER MFR'S INSTRUCTIONS, AND NOT LESS THAN 12" CLEARANCE AT BOTTOM FOR MAINTENANCE,M PER UPC TABLE 603.2.

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BLUE ROOM ARCHITECTURE & DESIGN, P.S.

HISTORIC SALTSEE SCHOOLHOUSE  
BOX 628, VERADALE, WA 99037  
(509) 456-6800

www.brdstudio.com

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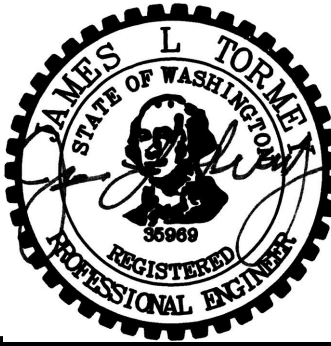
DK DESIGN, INC.  
15040 NE 95TH ST., #101  
REDMOND, WA 98052  
(425) 981-9822

MECHANICAL ENGINEERS

MPFA INC CONSULTING ENGINEERS  
2007 SE ASH STREET  
PORTLAND, OR 97214  
(503) 234-0548

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MPFA INC CONSULTING ENGINEERS  
2007 SE ASH STREET  
PORTLAND, OR 97214  
(503) 234-0548



THIS PROJECT INCLUDES THE INTERIOR REMODEL OF AN EXISTING CRITICAL ACCESS HOSPITAL FACILITY THAT IS TO REMAIN OPERATIONAL AT ALL TIMES. CONTRACTOR BIDS SHALL BE BASED ON VERIFICATION OF EXISTING ON-SITE CONDITIONS. UNINTERRUPTED ESSENTIAL HEALTHCARE SERVICES DURING THE CONSTRUCTION PERIOD. ONGOING COORDINATION OF ALL RELATED TRADES FOR CURRENT CODE COMPLIANCE, PATIENT SAFETY, JURISDICTIONAL REVIEW, SYSTEM PERFORMANCE AND UNFORESEEN (CLINICAL DISRUPTIONS).

INTERIOR REMODEL FOR:



211 SKYLINE DRIVE  
WHITE SALMON, WASHINGTON 98672

PROJECT NUMBER: 18000c  
DATE: 2/14/2018  
DRAWN: TB  
REVISIONS:

PERMIT SET

PLUMBING DETAILS,  
LEGENDS, AND  
SCHEDULES

P6.0

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MEFA Consulting Engineers  
2007 S.E. Ash St.  
Portland, OR 97214  
PHN: (503) 234-0548  
FAX: (503) 234-0877  
WWW.MPFA-ENG.COM  
CONTACT: TAKAKO BAKER