

lenity
architecture

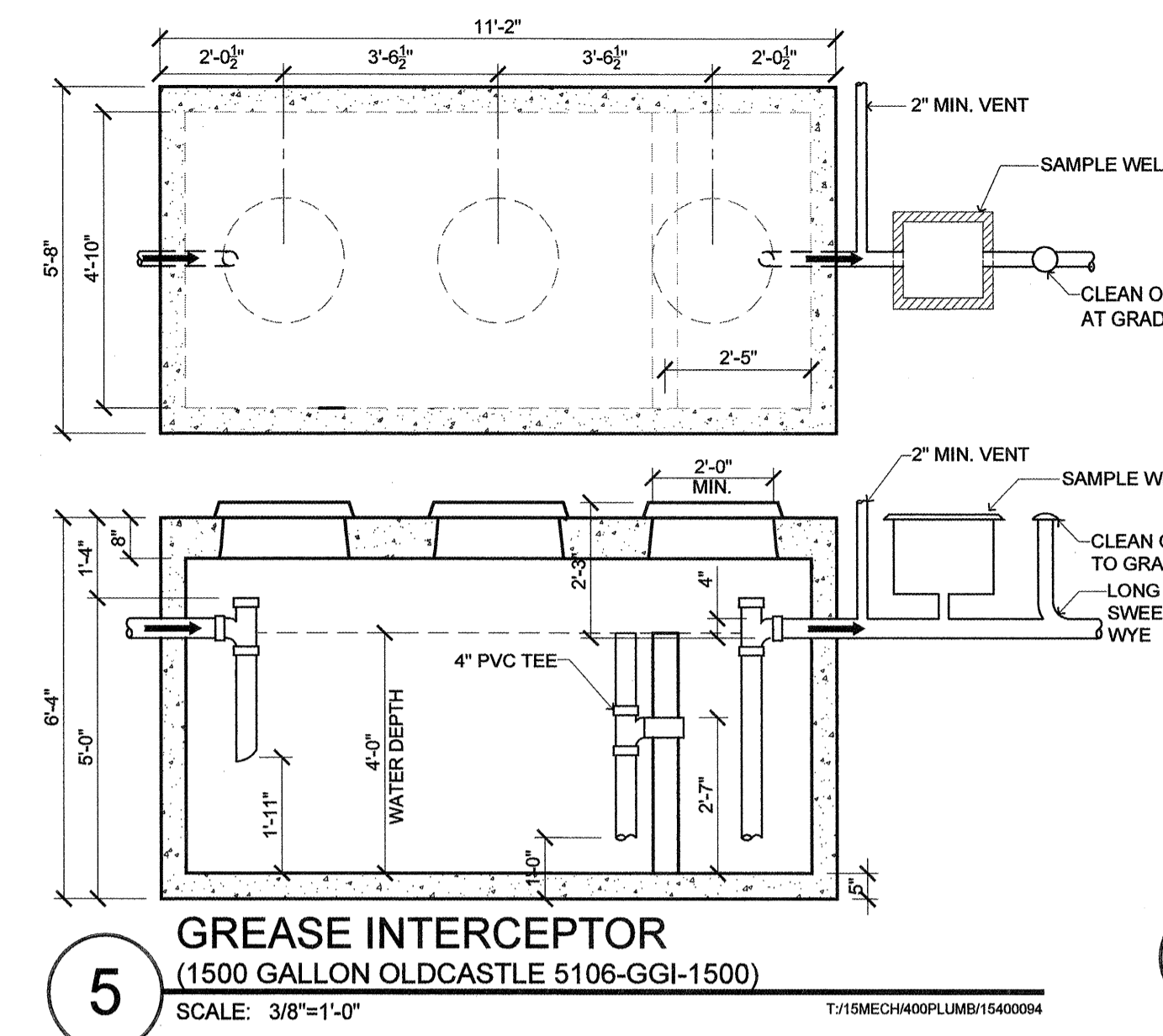
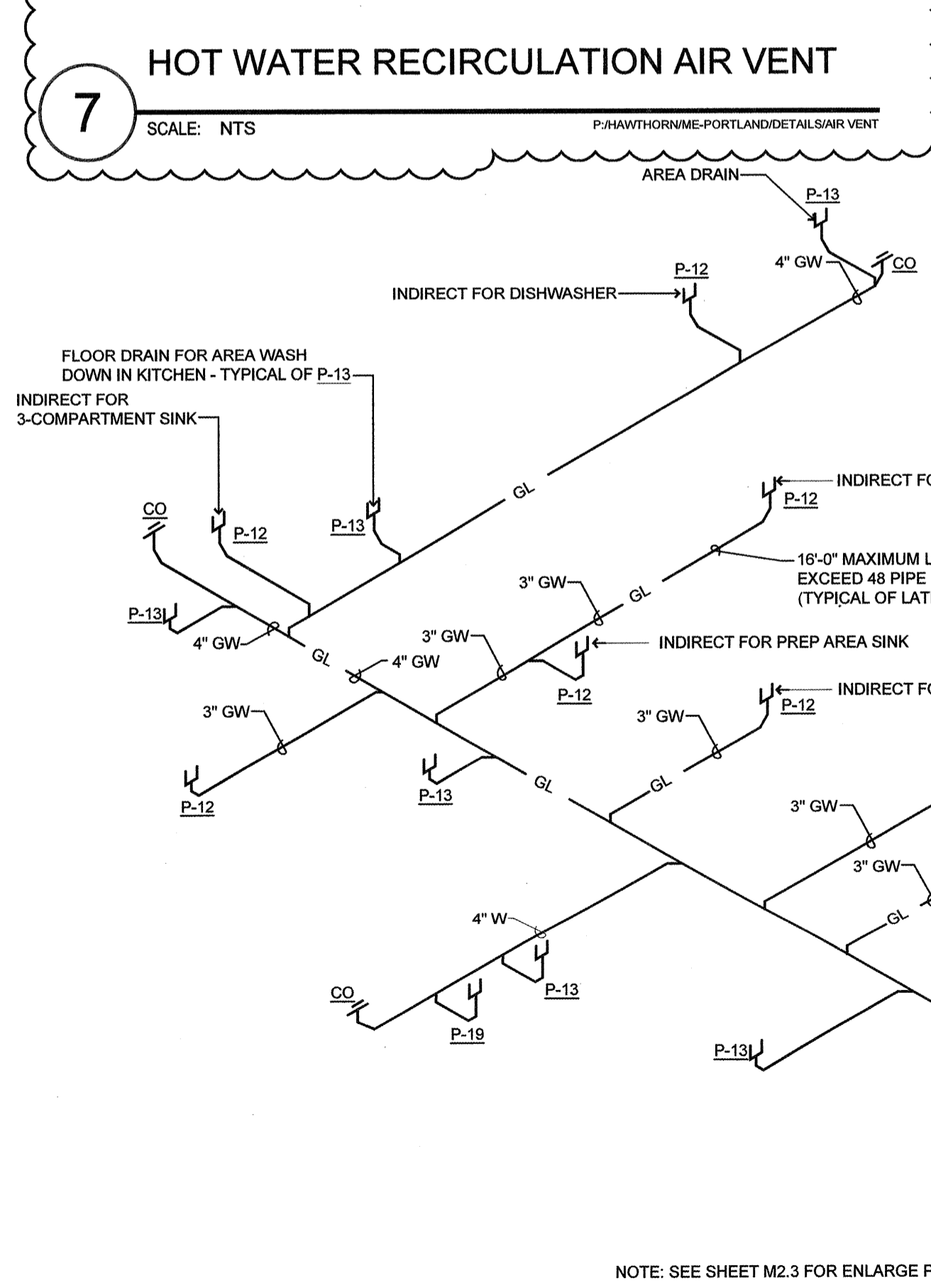
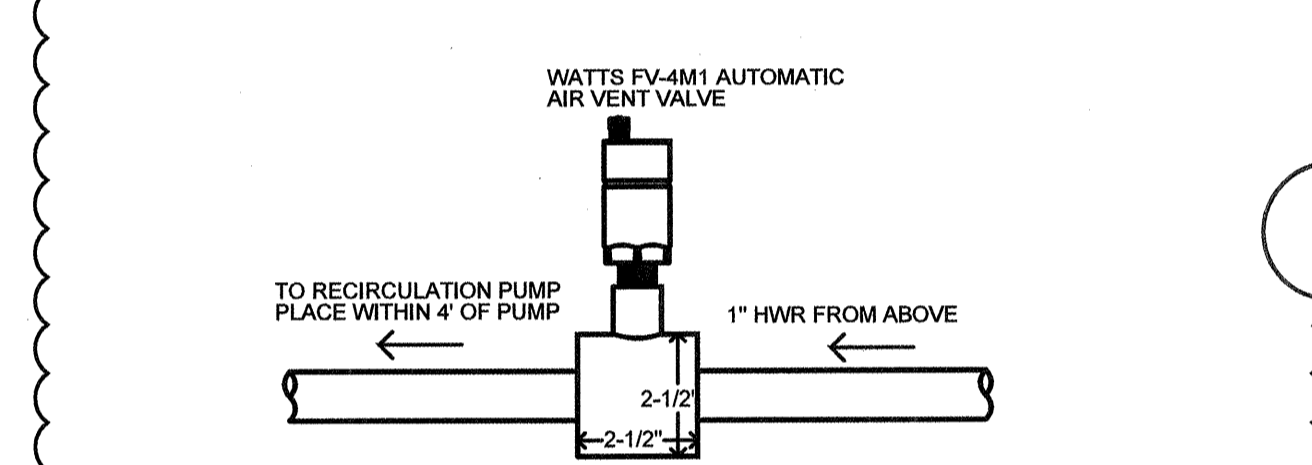
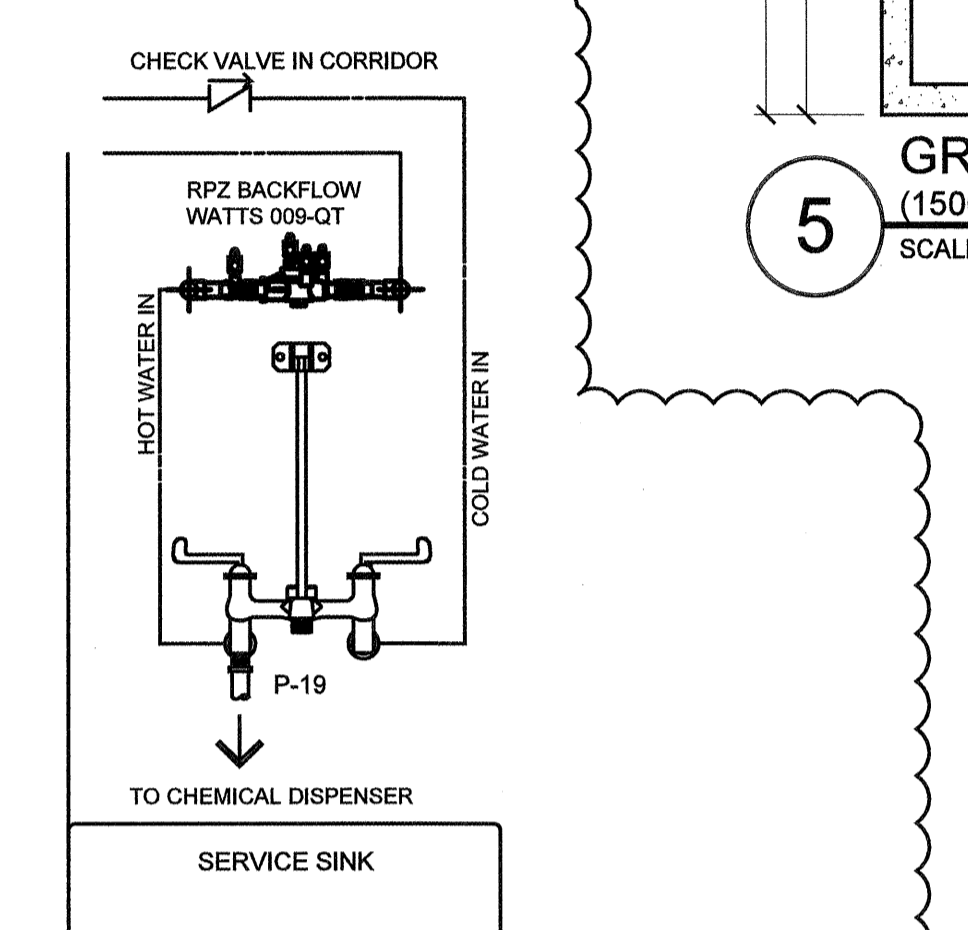
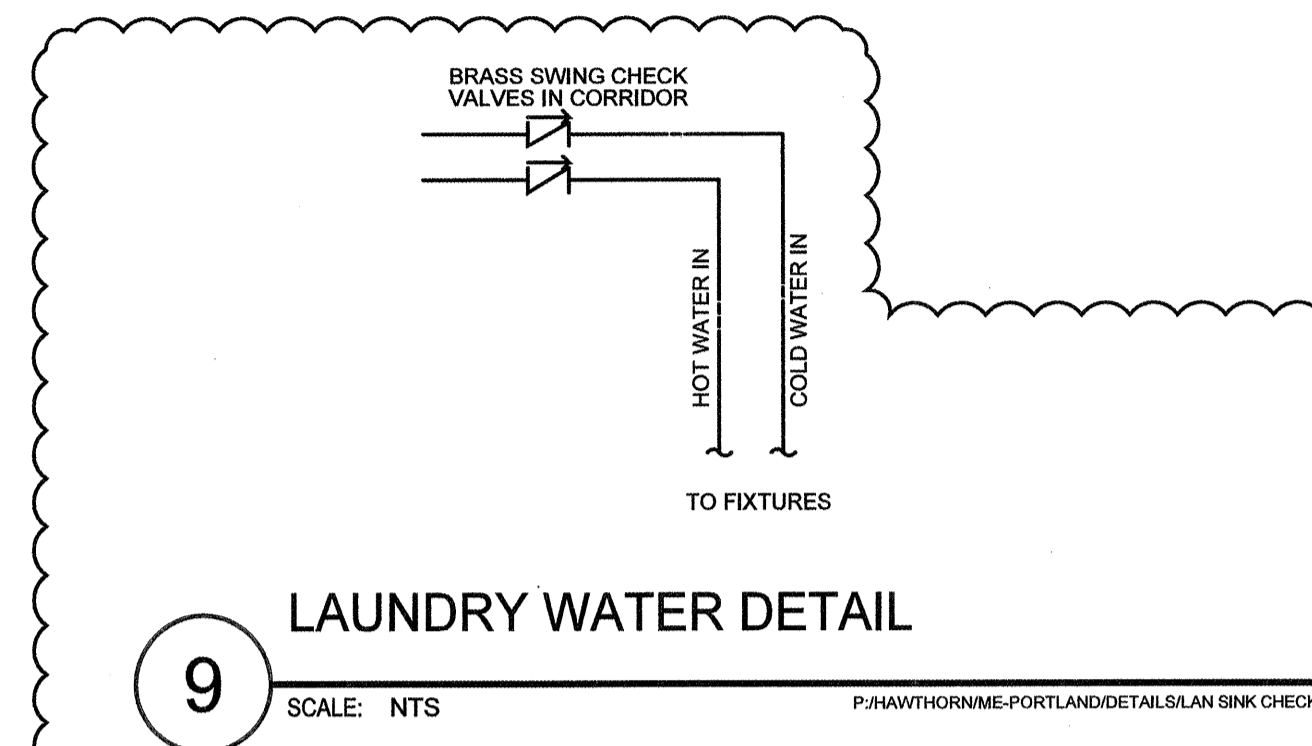
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COLSON AND COLSON
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PORTLAND
RETIREMENT RESIDENCE
802 OCEAN AVE., PORTLAND, MAINE 04103

PLUMBING
DETAILS AND
SCHEDULES

DATE: 8/28/2015
REVISED DATE: 9/22/2015, 2/2/2016
SHEET: M2.4
PLUMBING



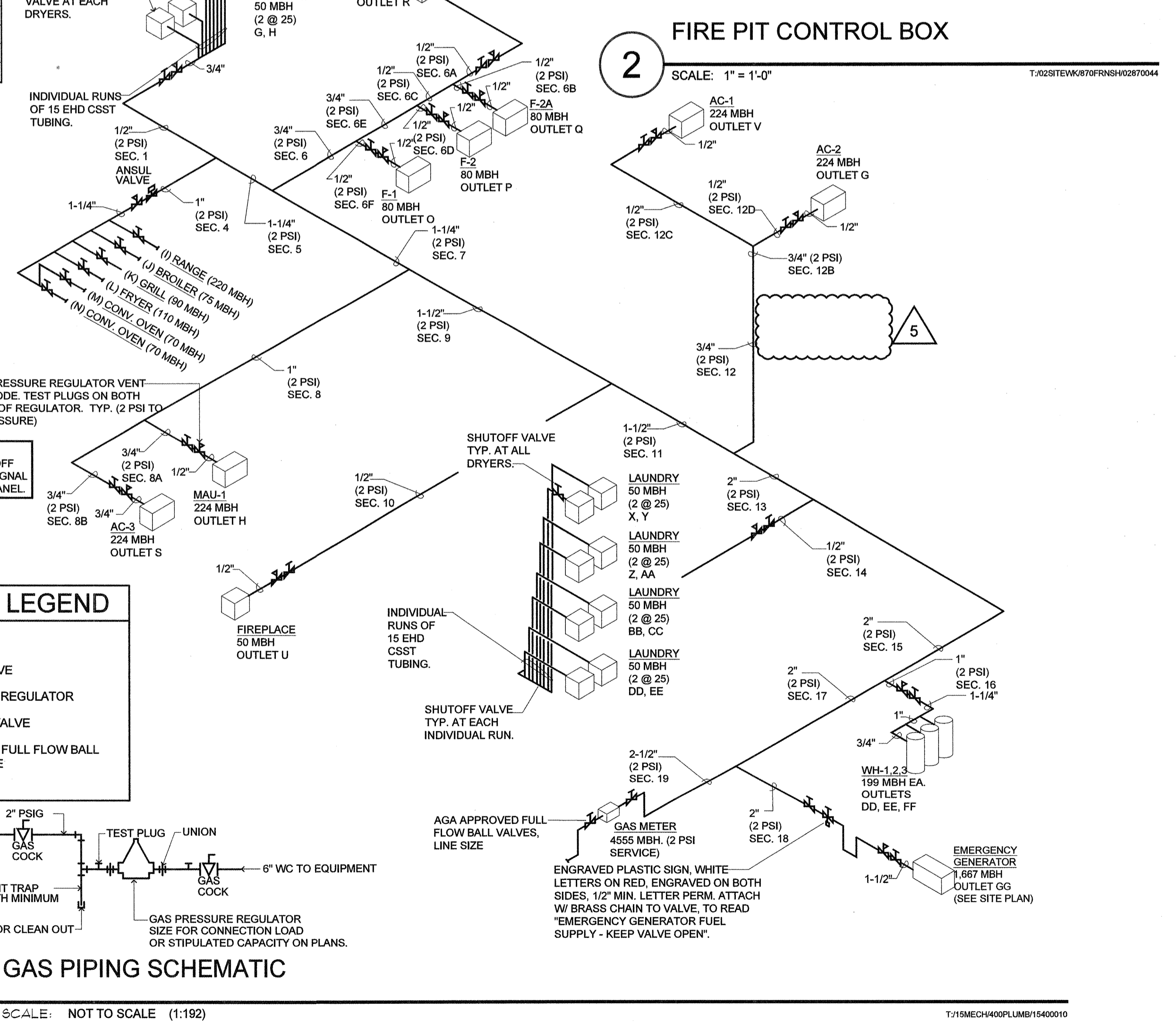
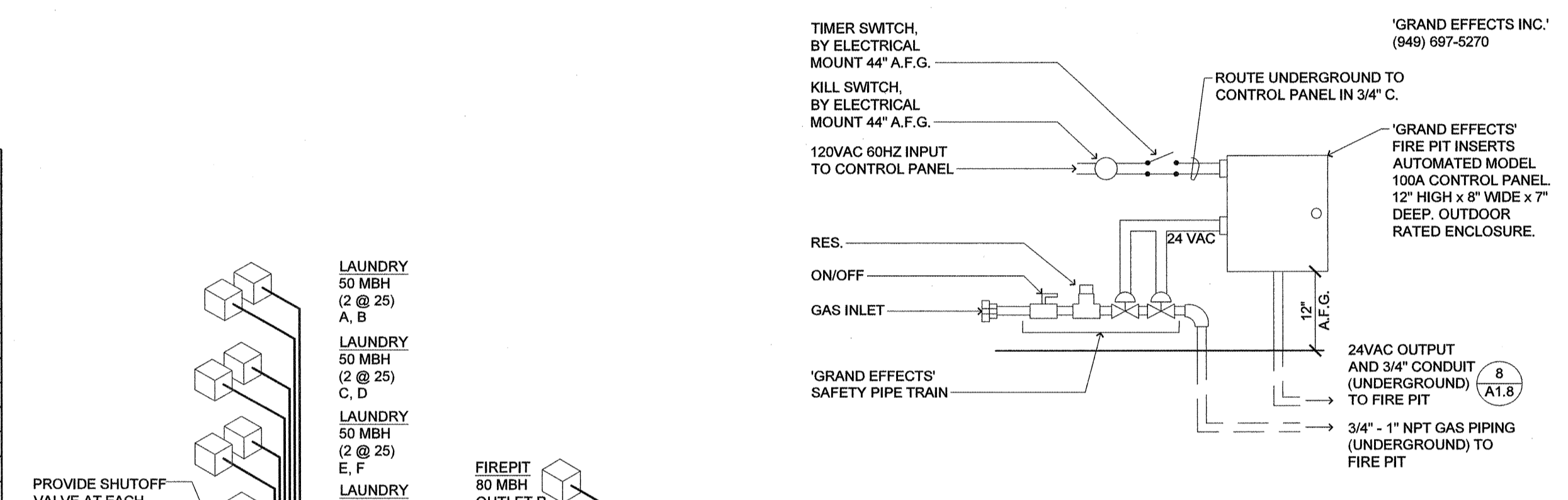
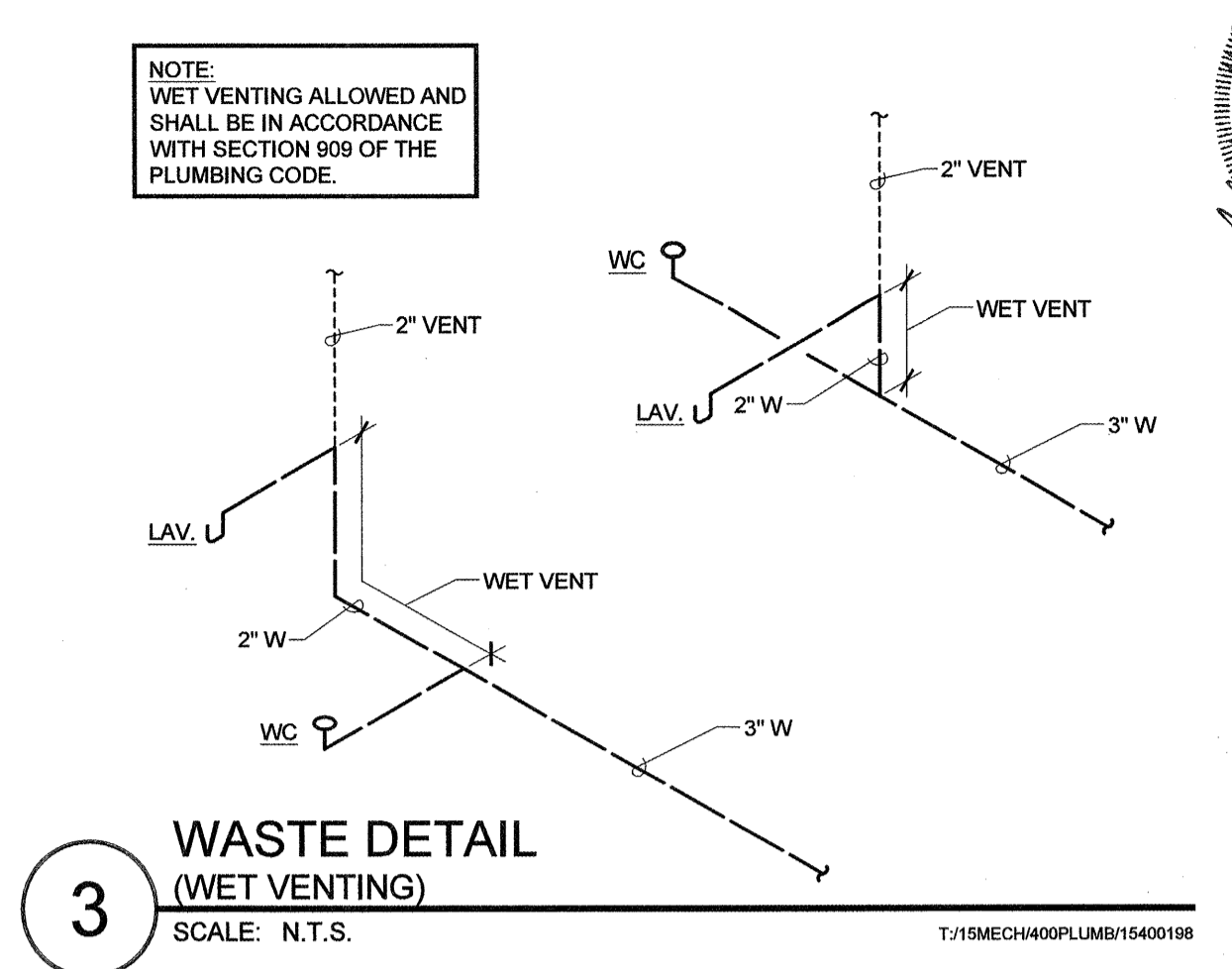
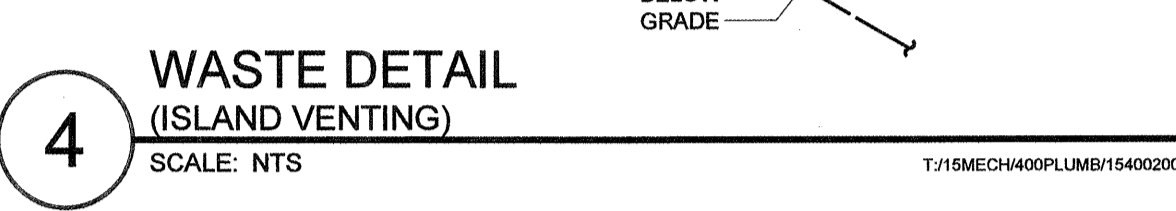
Portland, ME Grease Interceptor Sizing

Type of Fixture	Fixture Count	Fixture Unit Value	Total DFU
Floor sink-3"	8	3	24
Floor Drain	4	3	12
Sink	4	3	12
Total Fixture Units			48
F = (0.3 x DFU) + 20			34.4
Retention Time			30
Storage Factor			1.25
Size of Interceptor Calculated			1290
Round up to next available size			1500

NATURAL GAS PIPE SIZING
Portland ME Retirement Residence
18-Aug-15

Outlet	Section	Equip. Length-Ft.	Gas Demand-MB/H	Press. (L.P. or M.P.)	Pipe Size-Inches
A, B, C, D, E, F (DRYERS)	1	10/20/30	25	CSST	13/15/15-EHD
REMOVED	2	450	150	MP	1/2
REMOVED	3	18	625	LP-HEADER	1 1/4
I, J, K, L, M, N (KITCHEN)	4	370	625	MP	1
	5	450	775	MP	1 1/4
R (FIREPIT)	---	115	80	LP	3/4
6A	---	350	80	MP	1/2
Q (F-2A)	---	10	80	LP	1/2
6B	---	350	80	MP	1/2
6C	---	350	160	MP	1/2
P (F-2)	---	10	80	LP	1/2
6D	---	350	80	MP	1/2
6E	---	350	240	MP	3/4
O (F-3)	---	10	80	LP	3/4
6F	---	350	80	MP	1/2
6	---	350	320	MP	3/4
S (AC-3)	---	450	1095	MP	1 1/4
8B	---	360	224	MP	3/4
H (MUA-1)	---	10	224	LP	1/2
8A	---	360	224	MP	3/4
8	---	360	448	MP	1
9	---	450	1543	MP	1 1/2
U (FIREPLACE)	---	10	50	LP	1/2
10	---	240	50	MP	1/2
11	---	450	1593	MP	1 1/2
G (AC-2)	---	10	224	LP	1/2
12D	---	175	224	MP	1/2
V (AC-2)	---	10	224	LP	1/2
12C	---	175	224	MP	1/2
12B	---	175	448	MP	3/4
W (FIRE PLACE)	---	10	100	LP	1/2
12A	---	175	100	MP	1/2
12	---	175	548	MP	3/4
13	---	450	2141	MP	2
X, Y, Z, AA, BB, CC (DRYERS)	---	10/20/30	25	CSST	13/15/15-EHD
14	---	100	150	MP	1/2
15	---	450	2291	MP	2
DD, EE, FF (WATER HEATER)	---	10	199	LP	1 1/4
16	---	45	397	MP	1
17	---	450	2888	MP	2
18	---	10	1667	LP	2
GG (GENERATOR)	---	265	1667	MP	1 1/2
19	---	450	4555	MP	2 1/2

2012 National Fuel Gas code



NOTE: PENETRATIONS OF AREA SEPARATION WALLS SHALL BE PROTECTED WITH THROUGH-PENETRATION FIRE STOPS AND MEMBRANE PENETRATION FIRE STOPS