

lenity
architecture

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PORTLAND
RETIREMENT RESIDENCE
802 OCEAN AVE. PORTLAND, MAINE 04103

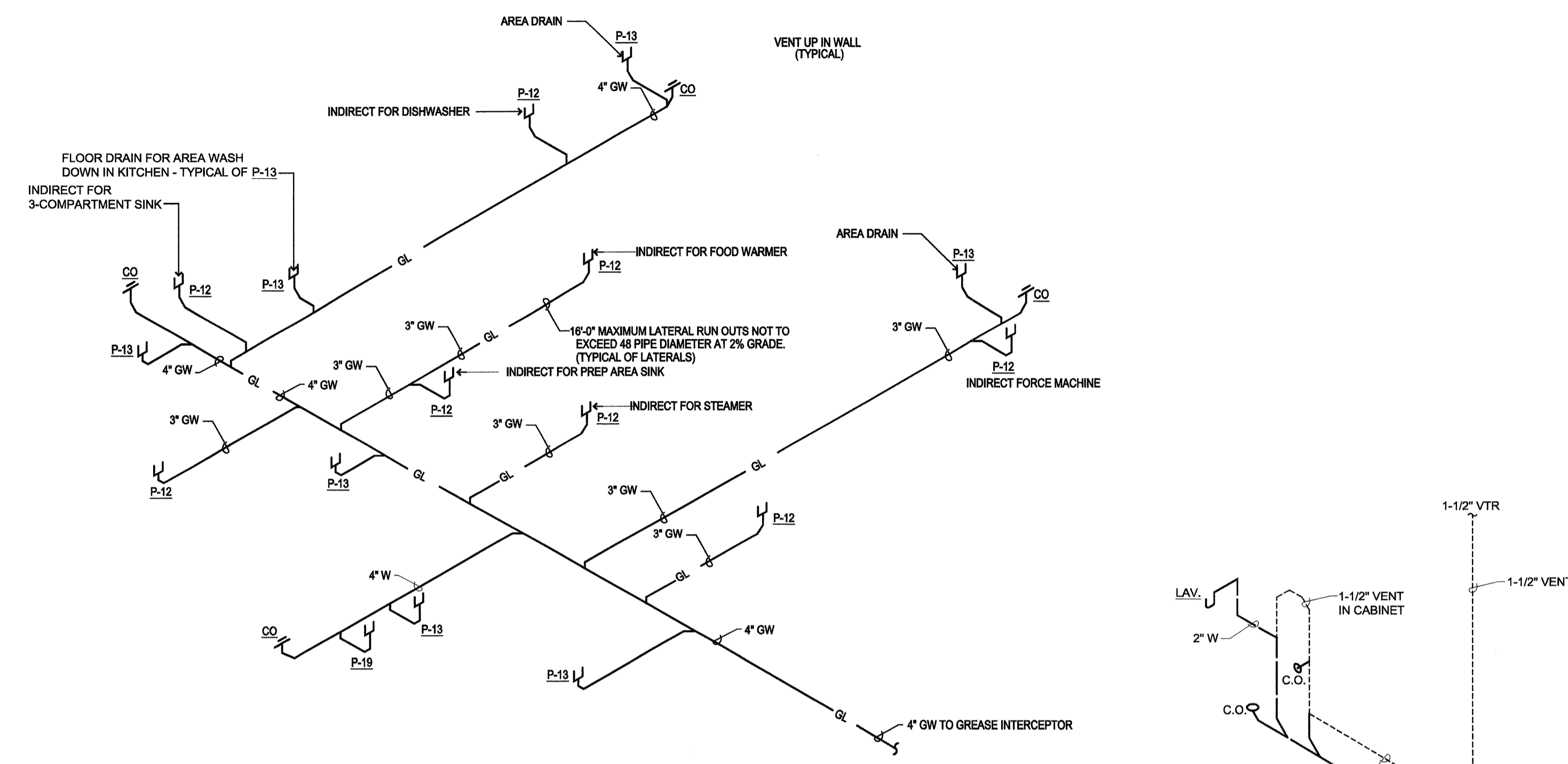
PLUMBING
DETAILS AND
SCHEDULES

DATE
8/28/2015

REVISED DATE
9/22/2015

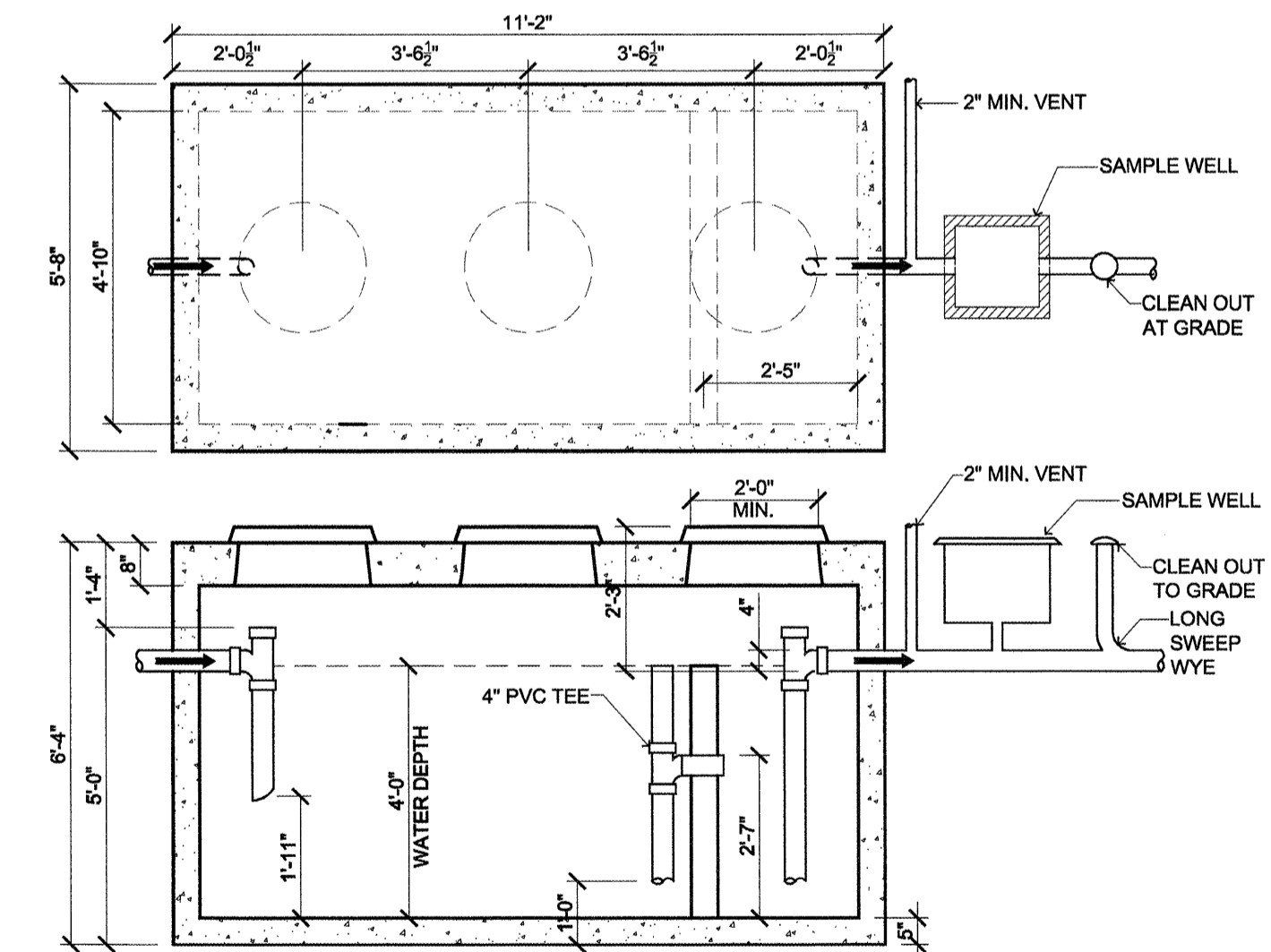
SHEET
M2.4

PLUMBING



6 GREASE LINE DIAGRAM
SCALE: _____
NOTE: SEE SHEET M2.3 FOR ENLARGE PLAN OF KITCHEN FOR ADDITIONAL INFORMATION.

4 WASTE DETAIL (ISLAND VENTING)
SCALE: N.T.S.
T:\15\MECH\400PLUMB\1540200

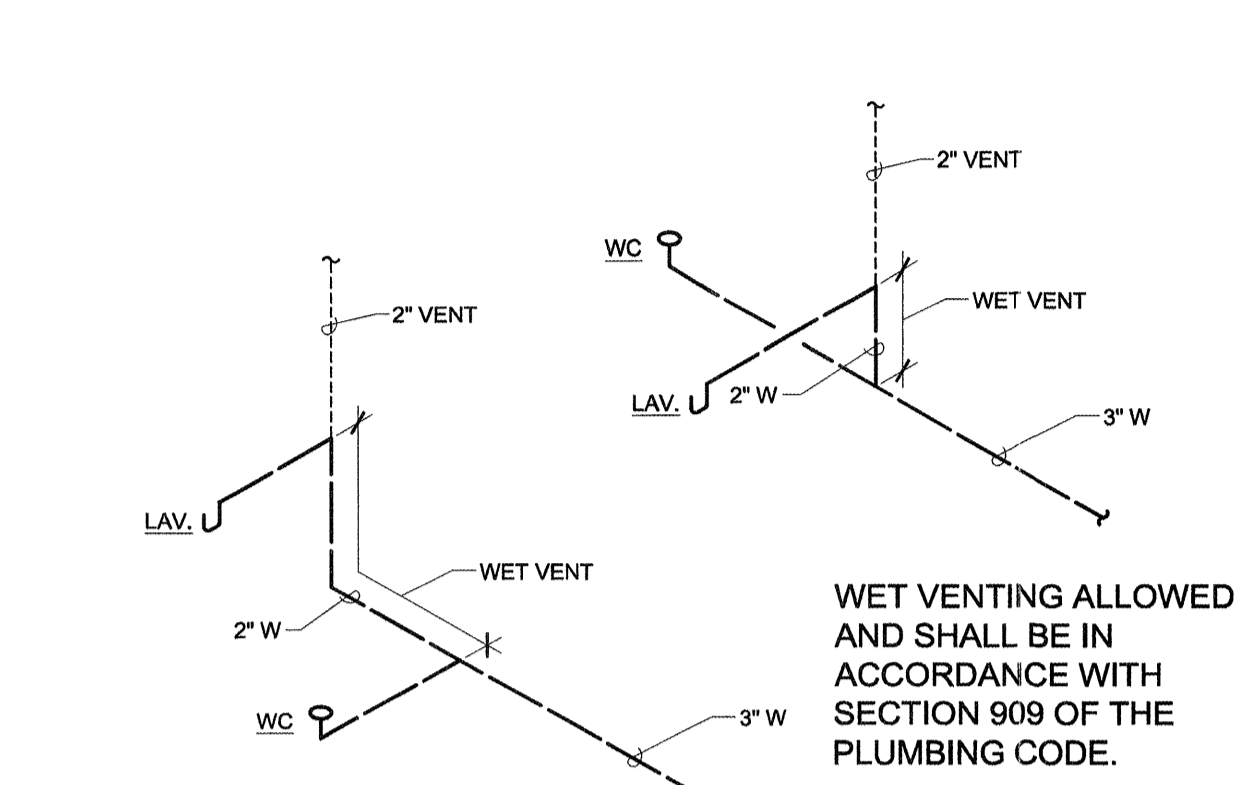


5 GREASE INTERCEPTOR
(1500 GALLON OLDCASTLE 5106-GGI-1500)
SCALE: 3/8"=1'-0"

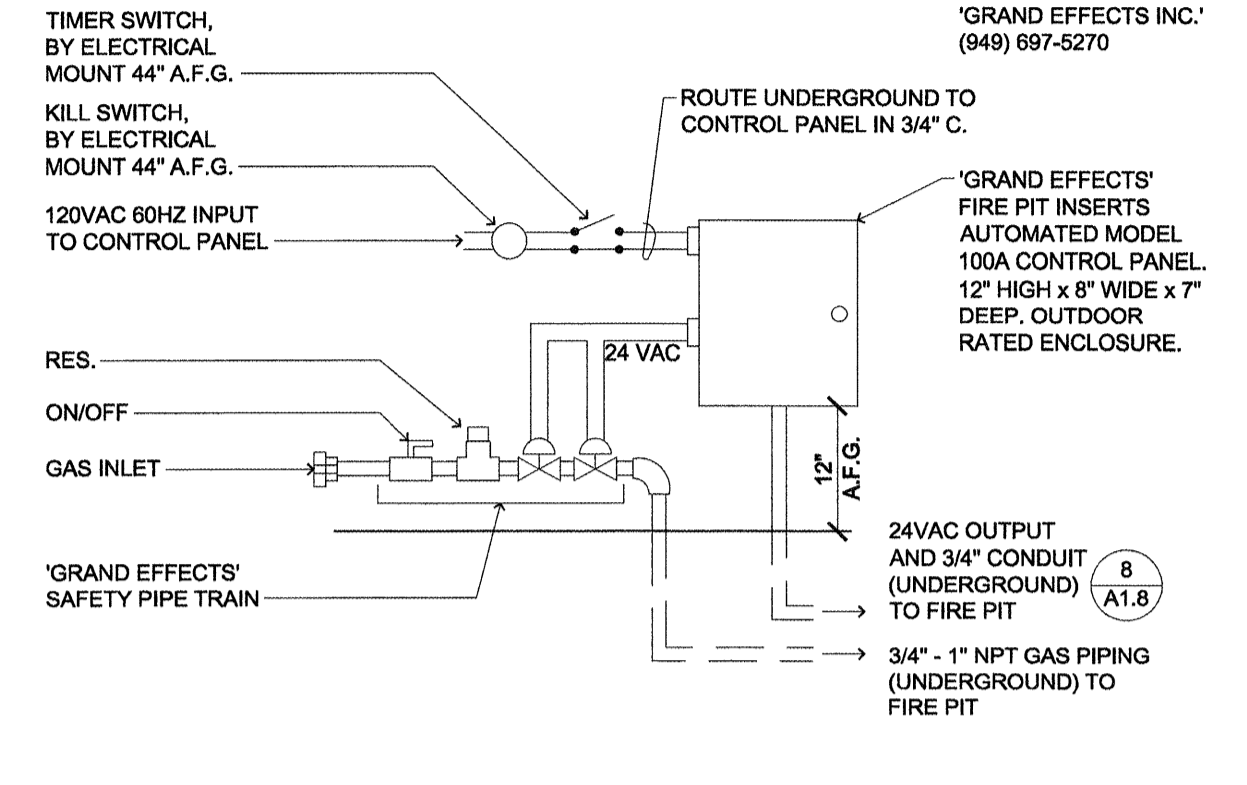
Portland, ME Grease Interceptor Sizing			
Type of Fixture	Fixture Count	Fixture Unit Value	Total DFU
Floor sink-3"	8	3	24
Floor Drain	4	3	12
Sink	4	3	12
Total Fixture Units			48
F = (0.3 x DFU) + 20			34.4
Retention Time			30
Storage Factor			1.25
Size of Interceptor Calculated			1290
Round up to next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

NATURAL GAS PIPE SIZING					
Portland ME Retirement Residence					
Outlet	Section	Equip. Length-Ft.	Gas Demand-MBH	Press. (LP or MP)	Pipe Size-Inches
A,B,C,D,E,F (DRYERS)	---	10./20./30.	25	CSST	13/15/15-EHD
REMOVED	2				
REMOVED	3				
I,J,K,L,M,N (KITCHEN)	---	18	625	LP-HEADER	1 1/4
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
7		450	1095	MP	1 1/4
S (AC-3)	---	10	224	LP	3/4
8B		360	224	MP	3/4
H (MUA-1)	---	10	224	MP	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	597	MP	1
17		450	2888	MP	2
GG (GENERATOR)	---	10	1667	LP	2
18		265	1667	MP	1 1/2
19		450	4555	MP	2 1/2

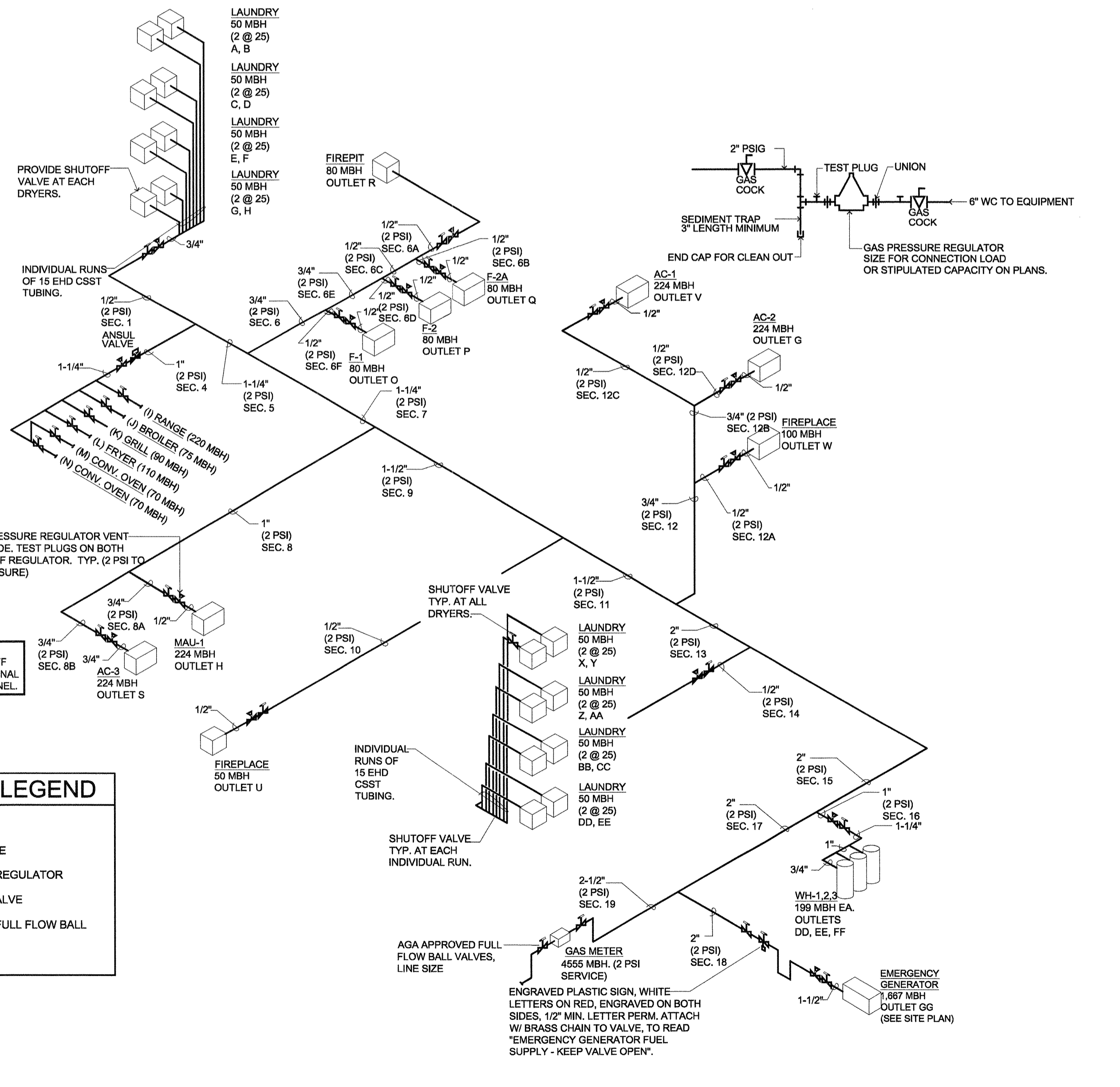
2012 National Fuel Gas code



3 WASTE DETAIL (WET VENTING)
SCALE: N.T.S.
T:\15\MECH\400PLUMB\1540199



2 FIRE PIT CONTROL BOX
SCALE: 1"=1'-0"
T:\22\B\FW\B7\FN\SH-H027004



1 GAS PIPING SCHEMATIC
SCALE: NOT TO SCALE (1:192)
T:\15\MECH\400PLUMB\1540200

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