BRACED WALL LINE DATA

WIND CALCULATIONS																
BWL	METHOD	BWL LENGTH (FT.)	BWL SPACING (FT.)	WALL HEIGHT (FT.)		EXP. CAT.		EAVE TO RIDGE (FT.)		NO. OF BWL		INTERIOR GWB		WIND FACTOR TOTAL	REQ. BRACING UNADJ.	REQ. BRACING (FT.)	PROVIDED BRACING (FT.)
1	PFH	48	28	10	1.0	C, one story	1.2	15	1.3	2	1.0	N/A	1.0	1.56	6.60	10.30	16.0
2	WSP	48	28	10	1.0	C, one story	1.2	15	1.3	2	1.0	Omitted	1.4	2.18	6.60	14.41	38.0
A	WSP	28	48*	10	1.0	C, one story	1.2	15	1.3	2*	1.0	Omitted	1.4	2.18	10.60	23.15	28.0
B	WSP	28	24	10	1.0	C, one story	1.2	15	1.3	2*	1.0	WSP	1.0	1.56	5.80	9.05	9.0
C	WSP	28	48*	10	1.0	C, one story	1.2	15	1.3	2*	1.0	Omitted	1.4	2.18	10.60	23.15	28.0

Basic Wind Speed = 100mph

*BWL spacing ignores interior wall B as per footnote 'c' from table R602.10.3(2) of 2012 IRC.

SEISMIC CALCULATIONS																
BWL	METHOD	BWL LENGTH (FT.)	BWL SPACING (FT.)	WALL HEIGHT (FT.)		WALL DEAD LOAD		ROOF DEAD LOAD		BWL SPACING SDC D (FT.)		INTERIOR GWB		SEISMIC FACTOR TOTAL	REQ. BRACING UNADJ.	REQ. BRACING (FT.)	PROVIDED BRACING (FT.)
1	PFH	48	28	10	1.0	12 PSF	1.0	15 PSF	1.0	28	1.2	N/A	1.0	1.20	12.00	14.40	16.0
2	WSP	48	28	10	1.0	12 PSF	1.0	15 PSF	1.0	28	1.2	Omitted	1.5	1.80	12.00	21.60	38.0
A	WSP	28	24	10	1.0	12 PSF	1.0	15 PSF	1.0	24	1.0	Omitted	1.5	1.50	7.00	10.50	28.0
B	WSP	28	24	10	1.0	12 PSF	1.0	15 PSF	1.0	24	1.0	WSP	1.0	1.00	7.00	7.00	9.0
C	WSP	28	24	10	1.0	12 PSF	1.0	15 PSF	1.0	24	1.0	Omitted	1.5	1.50	7.00	10.50	28.0

Seismic Design Category = SDC D2

WIND TABLE 602.10.3(1)

BWL SPACING	WSP
20	5
24	5.80
28	6.60
30	7
40	9
48	10.60
50	11

100MPH @ 1 STORY

SEISMIC TABLE 602.10.3(3)

BWL LENGTH	WSP
20	5
24	6.00
28	7.00
30	7.5
40	10
48	12.00
50	12.5

SDC D2 @ 1 STORY