

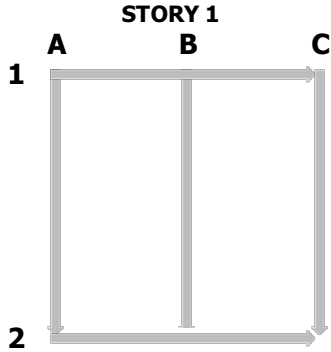
***DO NOT REMOVE THEM ***

APA Wall Bracing Calculator Project Report

W/2103
PRMD
RESILIENCY PERMIT CENTER

Builder/Designer
 Home/Building Plan Name
 Development Address
 Code
 SDC (Seismic Design Category)
 Wind Speed
 Wind Exposure Category
 Total Number of Stories
 Cripple Wall
 Mean Roof Height less than 30 ft.

Steven Borchardt
 Peters ADU
 142 Wembley Ct
 BASED ON 2018 IRC
 D2
 <= 110 mph
 EXPOSURE C
 1 STORY
 NO
 YES



WALL LINE ELEVATION VIEW



Total Wall Line Length: 28' 1"

WALL LINE PLAN VIEW



Story	Wall Line	Bracing Method	Wind Factors	Wind Bracing Amount	Seismic Factors	Seismic Bracing Amount	Required Bracing	Qualified Bracing	Bracing Status
1st Story	A	CS-WSP	0.98	1.33	0.85	5.08	5.08	20.58	Compliant

Wall Line Segment	Wall Height	Bracing Method	Segment Length	Adjacent Opening Height	Qualified Segment	Nails	Tension Tie	Hold Down
B1	8'	CS-WSP	2' 0"	2' 6"	2	6"/12"		
B2	8'	CS-WSP	14' 7"	6' 8"	14.58	6"/12"		
B3	8'	CS-WSP	4' 0"	6' 8"	4	6"/12"		

WALL LINE ELEVATION VIEW



Total Wall Line Length: 28' 1"

WALL LINE PLAN VIEW



Story	Wall Line	Bracing Method	Wind Factors	Wind Bracing Amount	Seismic Factors	Seismic Bracing Amount	Required Bracing	Qualified Bracing	Bracing Status
1st Story	B	CS-WSP	0.98	4.52	1.05	6.28	6.28	24.25	Compliant

Wall Line Segment	Wall Height	Bracing Method	Segment Length	Adjacent Opening Height	Qualified Segment	Nails	Tension Tie	Hold Down
B1	8'	CS-WSP	11' 6"	8' 0"	11.5	6"/12"		
B2	8'	CS-WSP	12' 9"	8' 0"	12.75	6"/12"		

WALL LINE ELEVATION VIEW



Total Wall Line Length: 28' 1"

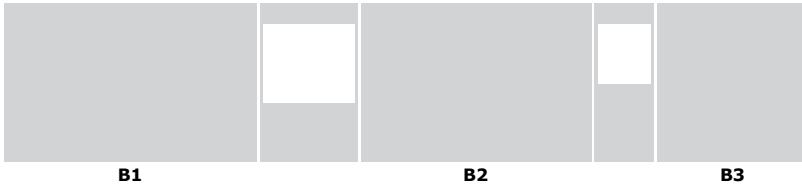
WALL LINE PLAN VIEW



Story	Wall Line	Bracing Method	Wind Factors	Wind Bracing Amount	Seismic Factors	Seismic Bracing Amount	Required Bracing	Qualified Bracing	Bracing Status
1st Story	C	CS-WSP	0.98	4.52	1.05	6.28	6.28	25.08	Compliant

Wall Line Segment	Wall Height	Bracing Method	Segment Length	Adjacent Opening Height	Qualified Segment	Nails	Tension Tie	Hold Down
B1	8'	CS-WSP	7' 0"	6' 8"	7	6"/12"		
B2	8'	CS-WSP	18' 1"	6' 8"	18.08	6"/12"		

WALL LINE ELEVATION VIEW



Total Wall Line Length: 40' 3"

WALL LINE PLAN VIEW



Story	Wall Line	Bracing Method	Wind Factors	Wind Bracing Amount	Seismic Factors	Seismic Bracing Amount	Required Bracing	Qualified Bracing	Bracing Status
1st Story	1	CS-WSP	0.76	3.2	0.95	8.07	8.07	32.25	Compliant

Wall Line Segment	Wall Height	Bracing Method	Segment Length	Adjacent Opening Height	Qualified Segment	Nails	Tension Tie	Hold Down
B1	8'	CS-WSP	12' 10"	4' 0"	12.83	6"/12"		
B2	8'	CS-WSP	11' 8"	4' 0"	11.67	6"/12"		
B3	8'	CS-WSP	7' 9"	3' 0"	7.75	6"/12"		

WALL LINE ELEVATION VIEW



Total Wall Line Length: 40' 3"

WALL LINE PLAN VIEW



Story	Wall Line	Bracing Method	Wind Factors	Wind Bracing Amount	Seismic Factors	Seismic Bracing Amount	Required Bracing	Qualified Bracing	Bracing Status
1st Story	2	CS-WSP	0.76	3.2	0.95	8.07	8.07	27.25	Compliant

Wall Line Segment	Wall Height	Bracing Method	Segment Length	Adjacent Opening Height	Qualified Segment	Nails	Tension Tie	Hold Down
B1	8'	CS-WSP	4' 0"	4' 0"	4	6"/12"		
B2	8'	CS-WSP	10' 10"	4' 0"	10.83	6"/12"		
B3	8'	CS-WSP	8' 5"	6' 8"	8.42	6"/12"		
B4	8'	CS-WSP	4' 0"	6' 8"	4	6"/12"		

