

Classic Wall Bracing Worksheet

per 2018 North Carolina Residential Code Section R602.10

Ultimate Wind Speed (mph)		120																				
BWL Designation		A		B		C		1		2												
No. of Floors above BWL		0		0		0		0		0												
BWP Method		CS-WSP		CS-WSP		CS-WSP		CS-WSP		CS-WSP												
Average BWL Spacing (ft)		42		31		20		42.916		42.916												
Tabular Requirement (ft)		6.80		5.15		3.50		6.94		6.94												
Adjustments	Exposure	B	1.00	B	1.00	B	1.00	B	1.00	B	1.00											
	Eave-to-Ridge Ht. (ft)	10.00	1.00	10.00	1.00	10.00	1.00	10.00	1.00	10.00	1.00											
	Max. Wall Ht. (ft)	9.00	0.95	9.00	0.95	9.00	0.95	9.00	0.95	9.00	0.95											
	No. of BWLs	3	1.30	3	1.30	3	1.30	2	1.00	2	1.00											
	Omit Interior Finish?	No	1.00	No	1.00	No	1.00	No	1.00	No	1.00											
	Added Hold-downs?	No	1.00	No	1.00	No	1.00	No	1.00	No	1.00											
	Fasteners @ 4" o.c.?	No	1.00	No	1.00	No	1.00	No	1.00	No	1.00											
Required BWP Length (ft)		8.40		6.36		4.32		6.59		6.59												
Actual BWPs	Contributing Length (ft) WSP=actual SFB=actual GB(ss)=0.5xactual GB(ds)=actual CS-PF=1.5xactual PFG=1.5xactual PFH=4' ABW=4'	BWP	Method	Length	Method	Length	Method	Length	Method	Length	Method	Length	Method	Length	Method	Length	Method	Length	Method	Length	Method	Length
		1	CS-WSP	4.00	GB (ds)	4.00	CS-WSP	4.00	CS-WSP	4.00	CS-WSP	3.00										
		2	CS-WSP	4.00	GB (ds)	4.00	CS-WSP	4.00	GB (ds)	4.00	CS-WSP	2.50										
		3	CS-WSP	4.00	GB (ds)	4.00	CS-WSP	4.00	CS-WSP	4.00	CS-WSP	2.50										
		4			CS-WSP	4.00	CS-WSP	2.50	CS-WSP	3.00	CS-WSP	4.00										
		5									CS-WSP	4.00										
		6																				
		7																				
Actual BWP Length (ft)		12.00		16.00		14.50		15.00		16.00												
Actual ≥ Required?		PASS		PASS		PASS		PASS		PASS												
BWPs ≤ 20' Apart?		Yes		Yes		Yes		Yes		Yes												
≥ 2 Panels in BWL?		Yes		Yes		Yes		Yes		Yes												
BWP 10' from Ends?		Yes		Yes		Yes		Yes		Yes												
Continuous Sheathing End Conditions		End 1	End 2	End 1	End 2	End 1	End 2	End 1	End 2	End 1	End 2	End 1	End 2	End 1	End 2	End 1	End 2	End 1	End 2	End 1	End 2	
		1	1	3	1	1	1	1	1	1	1											
BWL Compliance		PASS		PASS		PASS		PASS		PASS												