

CAD DRAWINGS REFERENCE MATRIX

Detail Set Abbreviations

Substrate	Base Wall	Panel System ¹		
		1-Piece, Tight-Fit Molding (w/ BDV)	Clip & Caulk (w/ BDV)	Rout & Return
Omega CI	Cold-Formed Steel Framing	1P-BDV-OCI ²	CC-BDV-OCI ²	RR-OCI ³
		OCI-SF-GYP	OCI-SF-GYP	OCI-SF-GYP
Omega CI	Fire-Retardant-Treated Wood	1P-BDV-OCI ⁴	CC-BDV-OCI ⁴	RR-OCI ³
		OCI-SF-GYP	OCI-SF-GYP	OCI-SF-GYP
Omega CI	CMU/Concrete	1P-BDV-OCI ⁴	CC-BDV-OCI ⁴	RR-OCI ³
		OCI-CMU	OCI-CMU	OCI-CMU
Gypsum (5/8" min)	Cold-Formed Steel Framing	1P-BDV-GYP	CC-BDV-GYP	RR-GYP
Gypsum (5/8" min)	Fire-Retardant-Treated Wood	1P-BDV-GYP ⁴	CC-BDV-GYP ⁴	RR-GYP ³
Plywood or OSB (5/8" min)	Cold-Formed Steel Framing	1P-BDV-OCI ^{4,5}	CC-BDV-OCI ^{4,5}	RR-PLY ^{3,6}
CMU/Concrete		1P-BDV-CMU	CC-BDV-CMU	Not supported ⁷
Alternate CI w/ Vertical Rails	Any	1P-BDV-GYP ^{8,9}	CC-BDV-GYP ^{8,9}	RR-ACI-V ⁹
Alternate CI w/ Horizontal Rails	Any	1P-BDV-GYP ^{10,11}	CC-BDV-GYP ^{10,11}	RR-ACI-H ⁹

Notes:

- NFPA 285 compliance has been met by all Panel Systems over indicated Substrates and Base Walls except for Alternate CI with Vertical or Horizontal Rails.
- NFPA 285 compliance requires EEV 10798 for support of Omega CI thicknesses other than 2.1".
- NFPA 285 compliance requires EEV 10781.
- NFPA 285 compliance requires EEV 10798.
- Contact Laminators Technical Support for additional information to adapt CAD Drawings for installations over Plywood or OSB (e.g. alternative fasteners). NFPA 285 compliance requires EEV 10798 for support of FRTW structural panels (Plywood or OSB) in Type III construction only.
- NFPA 285 compliance requires EEV 10781 for support of FRTW structural panels (Plywood or OSB) in Type III construction only.
- Panel System requires Back-Drained and Ventilated (BD&V) sub-framing to normalize Substrate. Air space/flow created by BD&V sub-framing cannot be supported by third-party fire consultant based on evaluation only (lack of specific testing). Laminators Technical Support recommends reduced air space/flow by redesign or use of Omega CI in order to obtain NFPA 285 compliance.

Go beyond the panel... and go to the next level!

8. Contact Laminators Technical Support for additional information to adapt CAD Drawings for installations over Vertical Rails (e.g. eliminating Gypsum).
9. NFPA 285 compliance has been met by the Panel System as part of an exterior wall assembly that did not include Alternate CI (testing report available from Laminators Technical Support). The testing report may be used by the Design Professional of Record (DPR) in obtaining an engineering extension for Alternate CI.
10. Contact Laminators Technical Support for additional information to adapt CAD Drawings for installations over Horizontal Rails (e.g. rotating BD&V sub-framing).
11. The Panel System has not been tested for NFPA 285 compliance with rotated (vertical) BD&V sub-framing, which may have potential impact on air flow with regard to fire performance.

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CAD DRAWINGS DETAIL SET ABBREVIATIONS

(Page 1 of 2 – Effective 7/22/24)

Wind Loads (psf) - ASD	Substrate	Thickness ¹	Spacing	Orientation	Detail Set Abbreviation ^{2, 3, 4}
30	Cold-Formed Steel Framing	18 ga.	16 in.	Vertical	30 CFSF 18 16 V
			24 in.	Horizontal	30 CFSF 18 24 H
				Vertical	30 CFSF 18 24 V
	CMU	-	-	-	30 CMU
	Concrete	-	-	-	30 CONC
	OSB	5/8"	-	-	30 OSB 5/8
	Plywood		-	-	30 PLY 5/8
OCI	-		-	30 PLY 5/8 + OCI	
40	Cold-Formed Steel Framing	18 ga.	16 in.	Vertical	40 CFSF 18 16 V
			24 in.	Horizontal	40 CFSF 18 24 H
				Vertical	40 CFSF 18 24 V
	CMU	-	-	-	40 CMU
	Concrete	-	-	-	40 CONC
	OSB	5/8"	-	-	40 OSB 5/8
	Plywood		-	-	40 PLY 5/8
OCI	-		-	40 PLY 5/8 + OCI	

Notes:

1. Detail sets for some alternate substrate thicknesses may be available from ENG.
2. Only 30 psf (ASD) baseline Detail Set is available on website.
3. May be installed over OCI (NFPA 285-06 & -12 ONLY) w/ EEV; requires Architectural Design OCI Details.
4. May NOT be installed over OCI (NFPA 285-19 & -23 ONLY); however, EEV permits substitutions.

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CAD DRAWINGS DETAIL SET ABBREVIATIONS

(Page 2 of 2 – Effective 7/22/24)

Wind Loads (psf) - ASD	Substrate	Thickness ¹	Spacing	Orientation	Detail Set Abbreviation ^{2, 3, 4}
50	Cold-Formed Steel Framing	18 ga.	16 in.	horizontal	50 CFSF 18 16 H
				vertical	50 CFSF 18 16 V
	CMU	-	-	-	50 CMU
	Concrete	-	-	-	50 CONC
	OSB	5/8"	-	-	50 OSB 5/8
	Plywood		-	-	50 PLY 5/8
OCI	-		-	50 PLY 5/8 + OCI	
60	Cold-Formed Steel Framing	18 ga.	16 in.	Horizontal	60 CFSF 18 16 H
				Vertical	60 CFSF 18 16 V
	CMU	-	-	-	60 CMU
	Concrete	-	-	-	60 CONC
	OSB	5/8"	-	-	60 OSB 5/8
	Plywood		-	-	60 PLY 5/8
OCI	-		-	60 PLY 5/8 + OCI	

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