FABCON

PRODUCT SPECIFICATIONS

Insulated Sandwich Concrete Wall Panels

We offer a variety of different insulated sandwich concrete wall panels to meet the structural and thermal requirements of your project. Choose from standard structural finishes or elevate your design with premium architectural finishes - the choice is yours.

Insulated sandwich panels provide a durable, efficient solution for a wide range of applications, including data centers, warehouses, public buildings, and other commercial and industrial facilities.

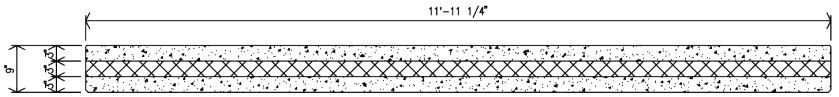
Composite (EPS w/ Wire Truss)	UNIT WEIGHT (PSF)	CLIMATE ZONE*	R-VALUE	U-VALUE	FIRE RATING (HRS)	HEAT CAPACITY (BTU/FT^2*F)	SOUND TRANSMISSION CLASS (STC)
3-3-3	75	Zone 1-5	12.1	0.083	3.6	16.0	53
3-4-3	75	Zone 1-7	15.4	0.065	3.6	16.0	53
4-4-4	100	Zone 1-7	15.7	0.064	5.7	21.3	57
3-6-3	75	Zone 1-7	22.0	0.045	3.6	16.0	53
Composite (XPS w/ Non-Conductive Ties)	UNIT WEIGHT (PSF)	CLIMATE ZONE*	R-VALUE	U-VALUE	FIRE RATING (HRS)	HEAT CAPACITY (BTU/FT^2*F)	SOUND TRANSMISSION CLASS (STC)
3-3-3	75	Zone 1-7	16.3	0.061	3.6	16.0	53
3-4-3	75	Zone 1-7	21.3	0.047	3.6	16.0	53
4-4-4	100	Zone 1-7	21.5	0.047	4.0**	21.3	57
3-6-3	75	Zone 1-8	31.3	0.032	3.6	16.0	53
Non-Composite (XPS w/ Non-Conductive Ties)	UNIT WEIGHT (PSF)	CLIMATE ZONE*	R-VALUE	U-VALUE	FIRE RATING (HRS)	HEAT CAPACITY (BTU/FT^2*F)	SOUND TRANSMISSION CLASS (STC)
6-3-3	113	Zone 1-7	16.5	0.060	4.0**	24.0	58

* Climate zones determined using the U-factor method for above grade mass walls per 2021 IECC Table C402.1.4 and 2024 IECC Table C402.1.2.
** Fire rating limited by non-conductive wythe ties

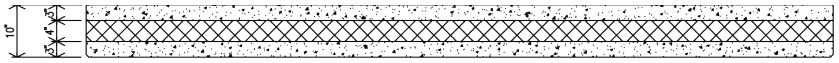
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Composite (EPS w/ Wire Truss)

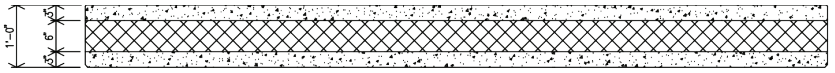
3-3-3



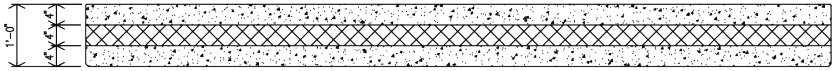
3-4-3



3-6-3

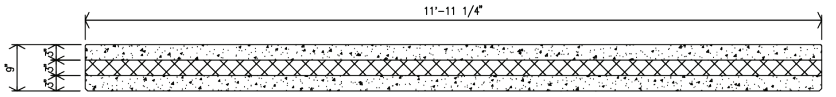


4-4-4

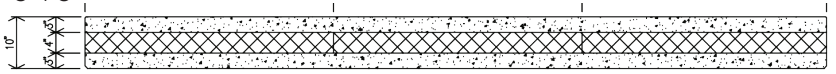


Composite (XPS w/ Non-Conductive Ties)

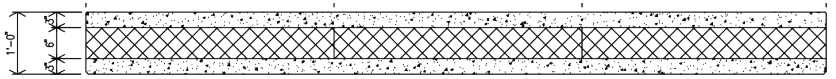
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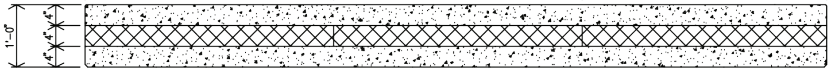
3-4-3



3-6-3



4-4-4



Non-Composite (XPS w/ HK Ties)

6-3-3

