

Introducing... Composite-Werks™

By Dayton Superior



Scan for more information
or to request a report.

YOUR GO-TO DESIGN TOOL FOR INSULATED WALL PANELS

Concrete Strength (f'_c)	4000 psi
Modulus of rupture (f_r)	474 psi
Weight (wc)	150 pcf
Elasticity (E_c)	3805 ksi
Yield Strength (F_y)	60 ksi
Elasticity (E_s)	29000 ksi
Ratio ($n=E_s/E_c$)	8.04

Wall Properties

Panel thickness (Structural Wythe)	3.00 in
Insulation thickness	2.00 in
Total thickness	3.00 in
Panel width	180.0 in
Elevation	372.0 in
Roof	354.0 in
Base	18.0 in
Both Wythe Supported	<input checked="" type="checkbox"/>

Analysis is completed

Interior wythe
Insulation
Exterior wythe

Width = 180 in

Reinforcing bar size	# of bars	Clear cover	(As(v)) per layer	Asmin check	d
4	11	1.00 in	2.16 in ²	OK, $\rho=0.004$	1.00
4	11	1.00 in	2.16 in ²	OK, $\rho=0.004$	1.00

Total Reinforcing Steel	Reinforcing bar size	# of bars	Clear cover	(As(v)) per layer	Asmin check
				0.00 in ²	NG
				0.00 in ²	NG

Receive a one-page
PERFORMANCE SUMMARY
and a detailed
PANEL DESIGN REPORT

Design Insulated Wall Panels according to the best practice and TCA report
(Tilt-Up Partially Composite Insulated Wall Panels, Gray book)

Utilize the Beam Spring Model, Shear Flow, and Modified Slender Wall Method to design the panel

User-friendly interfaces and dynamic graphics provide a true view of the Insulated panel cross-section and wythe connectors' location as data is entered

Input data can be completed through Tilt-Werks®

Analysis of the panel under Thermal load and P-delta effect

Call 877-823-4860 for more information.



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