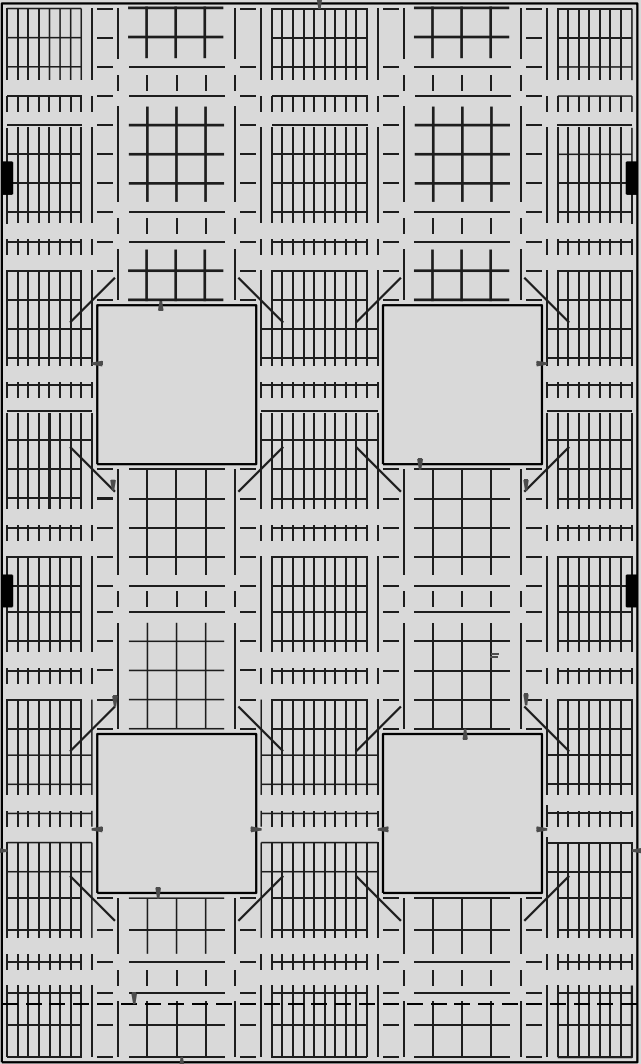
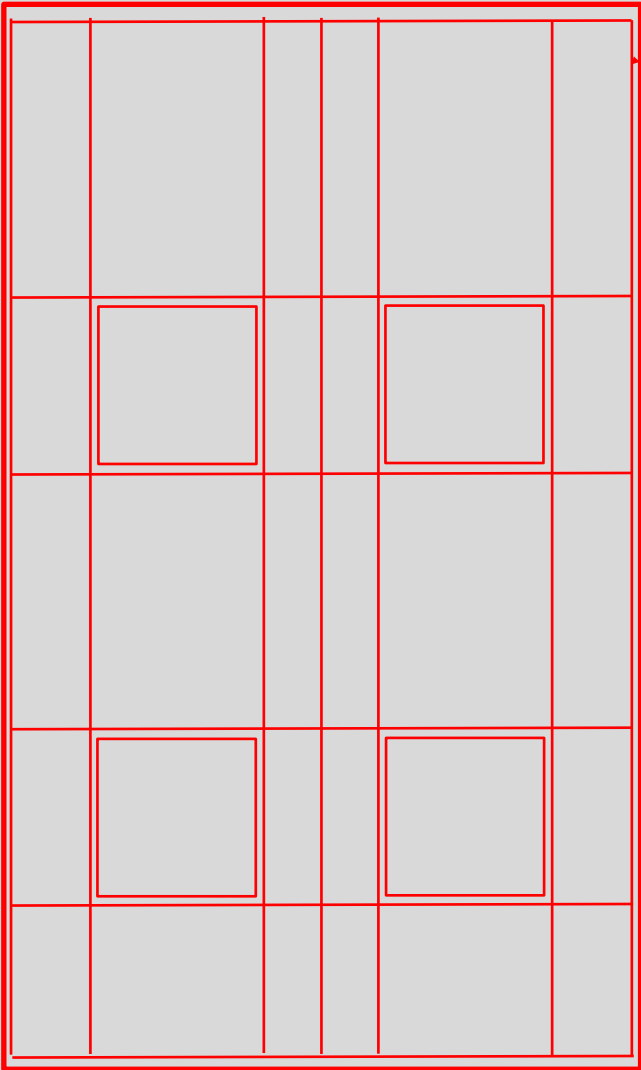


Additional Rebar for Typical 32' x 20' Panels with Windows



ORIGINAL PANEL DESIGN

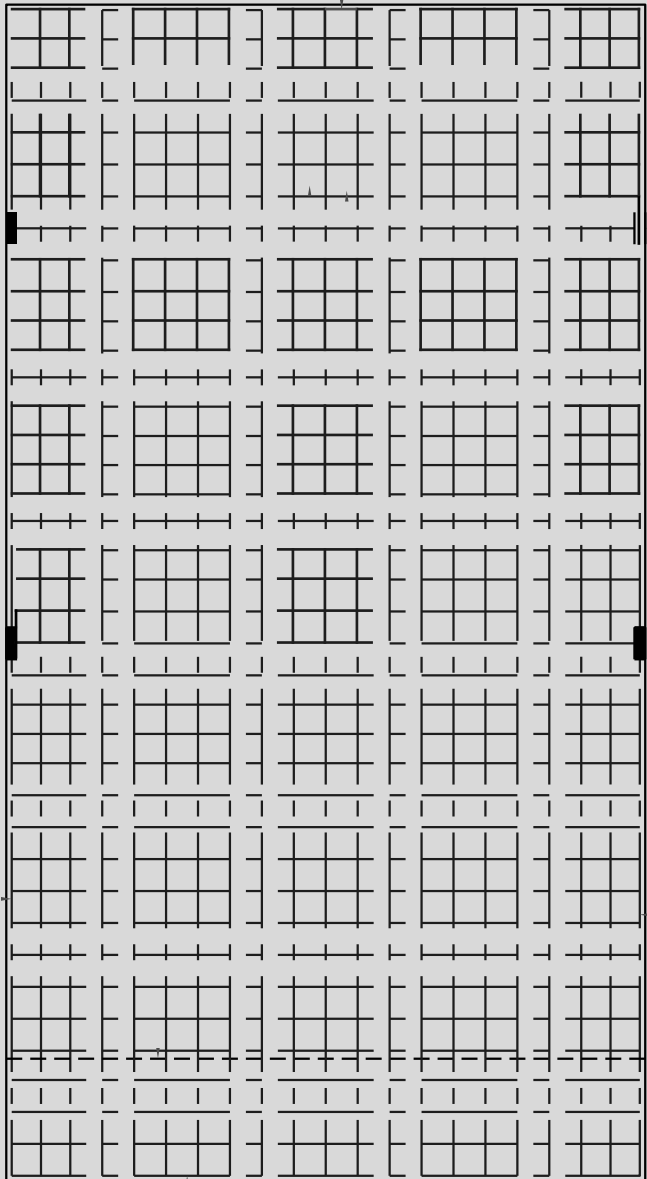


INNSTRUCT PANEL DESIGN

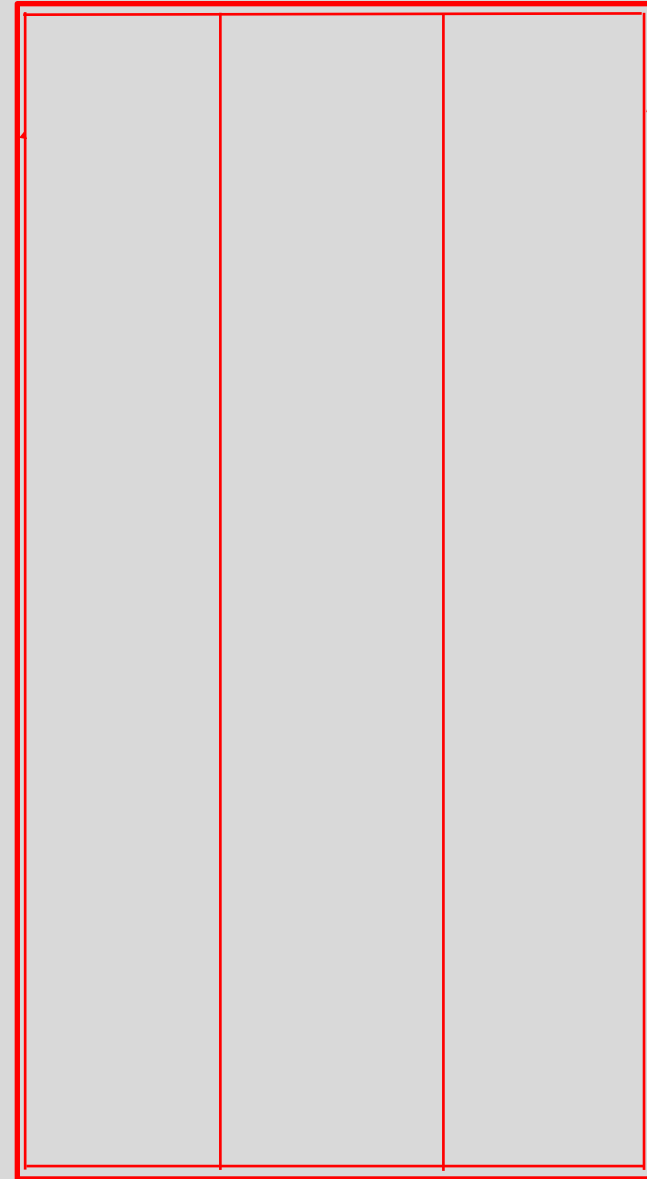
DESIGN COMPARISON STUDY

Material/Factor	Original Design 7.25" concrete		TIPS Design 3/4/2		% Reduced
Concrete	12.5	yd ³	8.6	yd ³	31%
Additional Reinforcement	3064	lbs	848	lbs	72%
Weight	48,064	lbs	31,808	lbs	34%

Additional Rebar for Typical 37' x 20' Solid Panels



CONCRETE TILT-UP PANEL

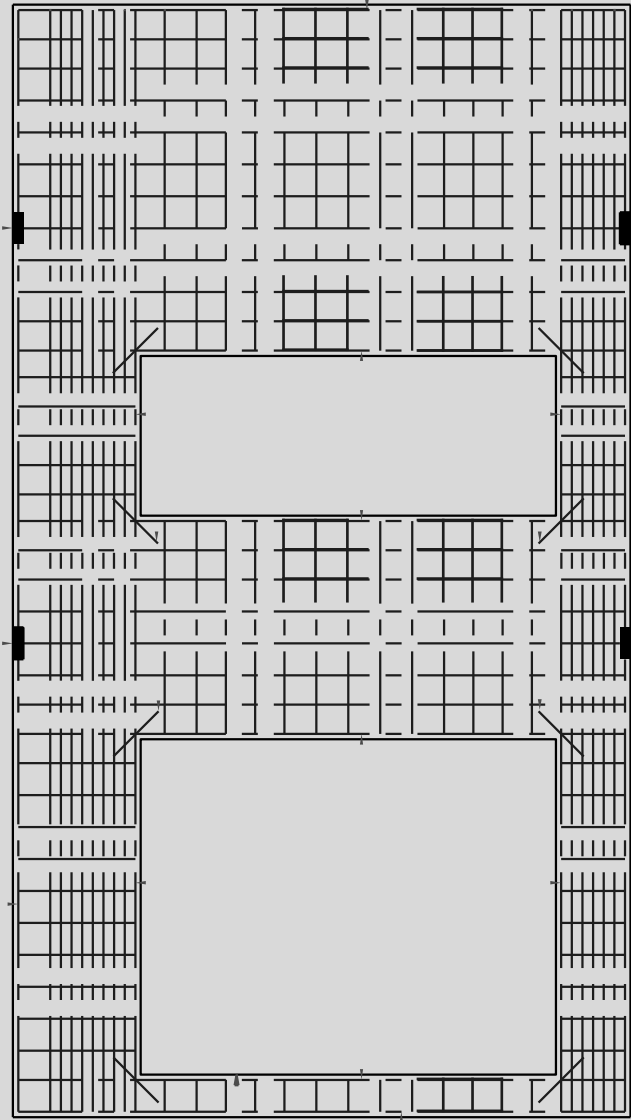


INNSTRUCT PANEL DESIGN

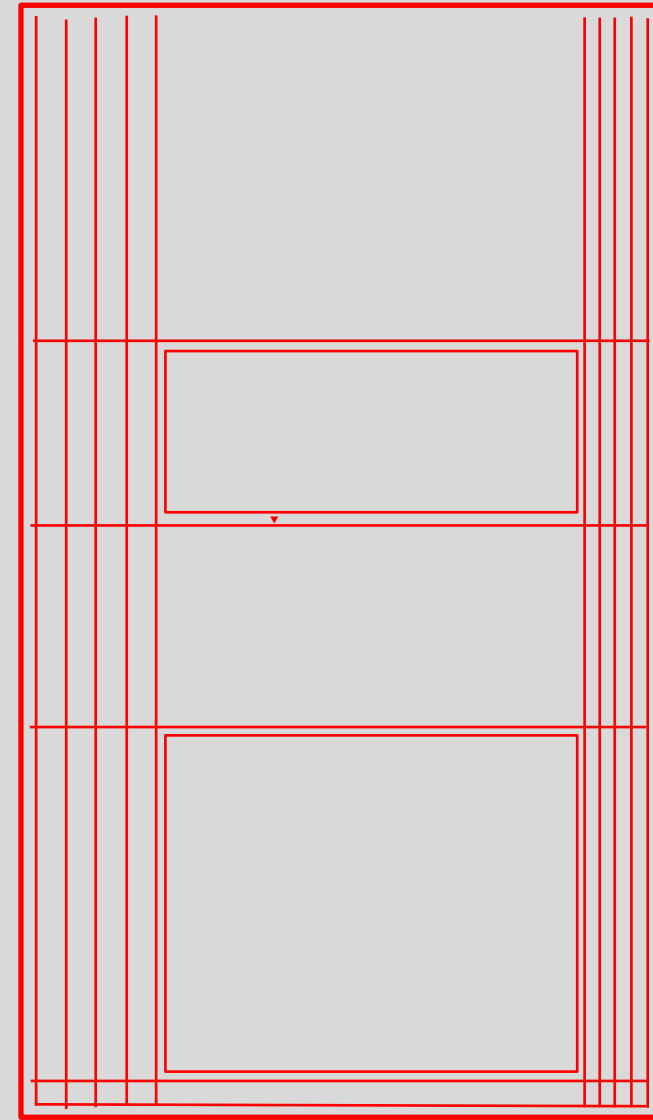
DESIGN COMPARISON STUDY

Material/Factor	Original Design 7.25" concrete		TIPS Design 3/4/2		% Reduced
Concrete	16.5	yd ³	11.4	yd ³	31%
Additional Reinforcement	1734	lbs	252	lbs	85%
Weight	61,134	lbs	41,292	lbs	32%

Additional Rebar for Typical 32' x 20' Panels with Large Openings



ORIGINAL PANEL DESIGN



INNSTRUCT PANEL DESIGN

DESIGN COMPARISON STUDY

Material/Factor	Original Design 7.25" Concrete		TIPS Design 3/4/2		% Reduced
Concrete	11.6	yd ³	8	yd ³	31%
Additional Reinforcement	2335	lbs	724	lbs	69%
Weight	44,095	lbs	29,524	lbs	33%

Basic Cost Comparison INNSTRUCT vs Standard Uninsulated Panel

Example using a 557 Square Foot Panel

INNSTRUCT Design 3/4/2				7.25" standard panel				
Material	Amount	Price	Total Cost		Material	Amount	Price	Total Cost
Concrete	8.6	125	\$ 1,075.00		Concrete	12.5	125	\$ 1,562.50
Rebar	449	0.7	\$ 314.30		Rebar	2857	0.7	\$ 1,999.90
Rebar labor	449	0.3	\$ 137.70		Rebar labor	2857	0.3	\$ 857.10
Panel	557	4.5	\$ 2,506.50		Place labor	557	2	\$ 1,114.00
Panel labor	557	0.3	\$ 167.10					
Place labor	557	2	\$ 1,114.00					
		TOTAL	\$ 5,314.60				Total	\$ 5,533.50
		PPSF	\$ 9.54				PPSF	\$ 9.93

Basic Cost Comparison INNSTRUCT vs Standard Insulated Panel

Example using a 641 Square Foot Panel

INNSTRUCT Design 3/4/2				12" Insulated 2/2/8				
Material	Amount	Price	Total Cost		Material	Amount	Price	Total Cost
Concrete	9.9	125	\$ 1,237.50		Concrete	19.8	125	\$ 2,475.00
Rebar	413	0.7	\$ 289.10		Rebar	3664	0.7	\$ 2,564.80
Rebar labor	413	0.3	\$ 126.90		Rebar labor	3664	0.3	\$ 1,099.20
Panel	641	4.5	\$ 2,884.50		Insulation	641	2.5	\$ 1,602.50
Panel labor	641	0.3	\$ 192.30		Insulate labor	641	1	\$ 641.00
Place labor	641	2	\$ 1,282.00		Place labor	641	3	\$ 1,923.00
		TOTAL	\$ 6,012.30				Total	\$ 10,305.50
		PPSF	\$ 9.37				PPSF	\$ 16.08