

# TPO INDUCTION WELD SYSTEMS OVER STEEL DECK

## FM CODE APPROVALS

Deck Type	Deck Grade (KSI)	Assembly #	Thermal Barrier	Vapor Barrier	Insulation	Cover Board	Row Spacing	Membrane Plate	Membrane Fastener	Fastener Spacing (X Fastenerft)	Membrane	Slope (X":1 ft)	Wind Uplift (PSF)	External Fire (Class)	Hail Rating
Steel	33*	437897-0-0	-	-	E3	PR HD, PR HD FR, SR CGF, SR FR	120"	IW	HL	6"	TPO	0.75	60	A	SH
Steel	33	249626-0-0	-	-	E3		60"	IW	HL	18"	TPO	0.75	75	A	SH
Steel	33	249632-0-0	-	-	E3	OSB, RP, DX C, DX FG, DX GM	60"	IW	HL	18"	TPO	0.75	75	A	SH
Steel	33	249668-0-0	-	-	E3	DD, DX C, DX FG, DX GM, SR GM, SR GF	60"	IW	HL	18"	TPO	2.00	75	A	SH
Steel	33	341190-0-0	-	-	E3	I, I FR, DX C, DX FG, DX GM	60"	IW	HL	18"	TPO	1.00	75	A	SH
Steel	33	379661-0-0	-	-	E3	DD, RP, SR GM, SR GF	60"	IW	HL	18"	TPO	1.50	75	A	SH
Steel	33	437874-0-0	-	-	E3	PR HD, PR HD FR, SR CGF, SR FR	60"	IW	HL	18"	TPO	0.75	75	A	SH
Steel	33	247543-0-0	-	(PE)	E3	-	5.33'^2	IW	HL	-	TPO	0.75	90	A	SH
Steel	33	247609-0-0	-	-	E3	OSB, RP, DX C, DX FG, DX GM	5.33'^2	IW	HL	-	TPO	0.75	90	A	SH
Steel	33	247612-0-0	-	-	E3	I FR, RP	5.33'^2	IW	HL	-	TPO	1.50	90	A	SH
Steel	33	247615-0-0	-	-	E3	DD, DX C, DX FG, DX GM, SR GM, SR GF	5.33'^2	IW	HL	-	TPO	2.00	90	A	SH
Steel	33*	248521-0-0	-	-	E3	-	120"	IW	HL	6"	TPO	0.75	90	A	SH
Steel	33*	248573-0-0	-	-	E3	OSB, RP, DX C, DX FG, DX GM	120"	IW	HL	6"	TPO	0.75	90	A	SH
Steel	33*	248576-0-0	-	-	E3	I FR, RP	120"	IW	HL	6"	TPO	1.50	90	A	SH
Steel	33*	248581-0-0	-	-	E3	DD, DX C, DX FG, DX GM, SR GM, SR GF	120"	IW	HL	6"	TPO	2.00	90	A	SH
Steel	33	341170-0-0	-	-	E3	I, DX C, DX FG, DX GM	5.33'^2	IW	HL	-	TPO	1.00	90	A	SH
Steel	33*	341178-0-0	-	-	E3	I, I FR, DX C, DX FG, DX GM	120"	IW	HL	6"	TPO	1.00	90	A	SH
Steel	33	379648-0-0	-	-	E3	DD, RP, SR GM, SR GF	5.33'^2	IW	HL	-	TPO	1.50	90	A	SH
Steel	33	437854-0-0	-	-	E3	PR HD, PR HD FR	5.33'^2	IW	HL	-	TPO	0.75	90	A	SH
Steel	33*	437862-0-0	-	-	E3	PR HD, PR HD FR, SR CGF, SR FR	120"	IW	HL	6"	TPO	0.75	90	A	SH
Steel	33	379658-0-0	-	-	E3	DD, RP, SR GM, SR GF	60"	IW	HL	12"	TPO	1.50	105	A	SH
Steel	33	249531-0-0	-	-	E3		60"	IW	HL	12"	TPO	0.75	105	A	SH
Steel	33	249534-0-0	-	-	E3	OSB, RP, DX C, DX FG, DX GM	60"	IW	HL	12"	TPO	0.75	105	A	SH
Steel	33	249542-0-0	(DD, DDP, DX FG, DX GM, SR GF)	-	E3	DD, DX C, DX FG, DX GM, SR GM, SR GF	60"	IW	HL	12"	TPO	2.00	105	A	SH
Steel	33	341182-0-0	-	-	E3	I, I FR, DX C, DX FG, DX GM	120"	IW	HL	6"	TPO	1.00	105	A	SH
Steel	33	437866-0-0	-	-	E3	PR HD, PR HD FR, SR CGF, SR FR	120"	IW	HL	6"	TPO	0.75	105	A	SH
Steel	33	437893-0-0	-	-	E3	PR HD, PR HD FR, SR CGF, SR FR	60"	IW	HL	6"	TPO	0.75	120	A	SH
Steel	33	247622-0-0	(DD, DDP, DX FG, DX GM, SR GF)	-	E3	-	24"	IW	HL	24"	TPO	0.75	135	A	SH



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Deck Type	Deck Grade (KSI)	Assembly #	Thermal Barrier	Vapor Barrier	Insulation	Cover Board	Row Spacing	Membrane Plate	Membrane Fastener	Fastener Spacing (X Fastener ft)	Membrane	Slope (X":1 ft)	Wind Uplift (PSF)	External Fire (Class)	Hail Rating
Steel	33	247625-0-0	-	-	E3	OSB, RP, DX C, DX FG, DX GM	24"	IW	HL	24"	TPO	0.75	135	A	SH
Steel	33	247628-0-0	(DD, DDP, DX FG, DX GM, SR GF)	-	E3	I FR, RP	24"	IW	HL	24"	TPO	1.50	135	A	SH
Steel	33	247631-0-0	-	-	E3	DD, DX C, DX FG, DX GM, SR GM, SR GF	24"	IW	HL	24"	TPO	2.00	135	A	SH
Steel	33	341174-0-0	-	-	E3	I, DX C, DX FG, DX GM	24"	IW	HL	24"	TPO	1.00	135	A	SH
Steel	33	379649-0-0	-	-	E3	DD, RP, SR GM, SR GF	24"	IW	HL	24"	TPO	1.50	135	A	SH
Steel	33	437858-0-0	-	-	E3	PR HD, PR HD FR	24"	IW	HL	24"	TPO	0.75	135	A	SH
Steel	33	392329-0-0	-	-	E3	-	24"	IW	HL	16"	TPO	0.75	165	A	SH
Steel	80	392330-0-0	(DD, DDP, DX FG, DX GM, SR GF)	-	E3	-	24"	IW	HL	16"	TPO	0.75	180	A	SH
Steel	33*	249564-0-0	-	-	E3	OSB, RP, DX C, DX FG, DX GM	60"	IW	HL	6"	TPO	0.75	210	A	SH
Steel	33*	249550-0-0	(DD, DDP, DX FG, DX GM, SR GF)	-	E3	-	60"	IW	HL	6"	TPO	0.75	210	A	SH
Steel	33*	249582-0-0	-	-	E3	I FR, RP	60"	IW	HL	6"	TPO	1.50	210	A	SH
Steel	33*	249589-0-0	(DD, DDP, DX FG, DX GM, SR GF)	-	E3	DD, DX C, DX FG, DX GM, SR GM, SR GF	60"	IW	HL	6"	TPO	2.00	210	A	SH
Steel	33*	341186-0-0	(DD, DDP, DX FG, DX GM, SR GF)	-	E3	I, I FR, DX C, DX FG, DX GM	60"	IW	HL	6"	TPO	1.00	210	A	SH
Steel	33*	362736-0-0	-	-	E3	-	60"	IW	HL	6"	TPO	0.75	210	A	SH
Steel	33*	379659-0-0	-	-	E3	DD, RP, SR GM, SR GF	60"	IW	HL	6"	TPO	1.50	210	A	SH
Steel	33*	437870-0-0	DD, DDP, DX FG, DX GM, -	-	E3	PR HD, PR HD FR, SR CGF, SR FR	60"	IW	HL	6"	TPO	0.75	210	A	SH

### Application Type

N	New Roof
RC	Re-Cover
RR	Re-Roof

### Membrane

TPO	JM TPO
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### Deck Grade

33	33 (22ga 33ksi 72" joist)
33*	33* (20-16ga 33ksi 72" Joist) (22ga 33ksi 48" joist)(22ga 80ksi 72" Joist)
80	80 (22ga 80ksi, 72" joist)

### Insulation / Cover Board

E3	ENRGY 3®
I	Invinsa® Roof Board
I FR	Invinsa® FR Roof Board
IP	Invinsa® Plus
RP	RetroPlus™
SR C	SECUROCK® Cement Roof Board
SR GM	SECUROCK® Glass-Mat Roof Board
SR GF	SECUROCK® Gypsum-Fiber Roof Board
DD	DensDeck®
DDP	DensDeck® Prime
DX C	DEXcell® Cement Roof Board
DX FG	DEXcell FA Glass Mat Roof Board
DX GM	DEXcell Glass Mat Roof Board
PR HD	ProtectoR HD
PR HD FR	ProtectoR HD FR
SP CGF	SeparatoR CGF
SP FR	SeparatoR FR

### Fastener and Plate

HL	High Load
HLP	High Load Plus
XHL	Extra High Load
IW	Induction Weld Plate
UF	UltraFast®
XHD	OMG Super XHD Screw

### Securement

FA	Fully Adhered
RA	Ribbon Applied

### Adhesive

LVOC	Low VOC
SB	Solvent Based
WB	Water Based
2PUA	Two-Part Urethane Insulation Adhesive
HA	Hot Asphalt
MBR BA	MBR® Bonding Adhesive
RSUA	JM Roofing System Urethane Adhesive
1S	JM One-Step Foamable Adhesive

### Vapor Barrier

AB	JM APP Base
ABP	JM APP Base Plus
DG	DynaGrip® Base SD/SA
GP	GlasPly® IV
GPP	GlasPly® Premier
VB SA	JM Vapor Barrier SA
DB	DynaBase®
DBH	DynaBase® HW
DWB	DynaWeld™ Base
PE	Polyethylene (4 or 6 mil)