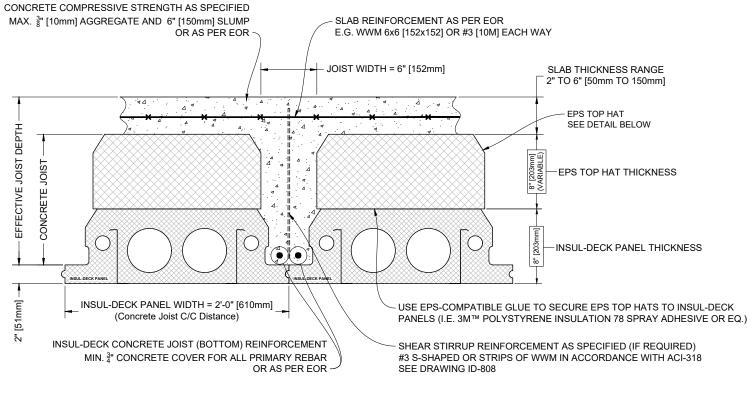
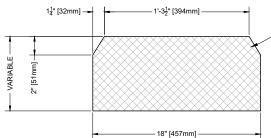
NOTES:

EPS TOP HATS INCREASE INSUL-DECK'S EFFECTIVE JOIST (T-BEAM) DEPTH WHICH IN TURN INCREASES LIVE LOAD CAPACITY AND CLEAR SPAN OF THE FLOOR SYSTEM

WHEN SELECTING TOP HAT THICKNESS, PAY ATTENTION TO MAXIMUM SLENDERNESS (HEIGHT TO WIDTH) RATIO FOR CONCRETE JOISTS





EPS TOP HAT - ID15-Fabricated

CUSTOM ORDERED IN ANY HEIGHT
COMES IN 4' OR 8' [1.22m OR 2.44m] LONG SECTIONS
MADE FROM MODIFIED EXPANDED POLYSTYRENE
(EPS - INCLUDES FLAME-RETARDANT)
DENSITY - REFER TO TABLE BELOW

Product	U.S. EPS Board Type (ASTM C578)	Canada EPS Board Type (CAN/ULC-S701)	Density	Thermal Conductance (per inch [25mm] thickness)
EPS Top Hats - ex Surrey BC	Type II	Type 2	min. 1.35 pcf [21.6 kg/m³]	R-4.00 ft.²•h•°F/Btu [RSI-0.7044 K·m²/W]
EPS Top Hats	Top Hats Type VIII Type 1		min. 1.15 pcf [18.4 kg/m³]	R-3.80 ft.²•h•°F/Btu [RSI-0.6692 K·m²/W]
Insul-Deck	Type VIII	Type 1	avg. 1.25 pcf [20 kg/m³]	R-3.80 ft.²•h•°F/Btu [RSI-0.6692 K·m²/W]

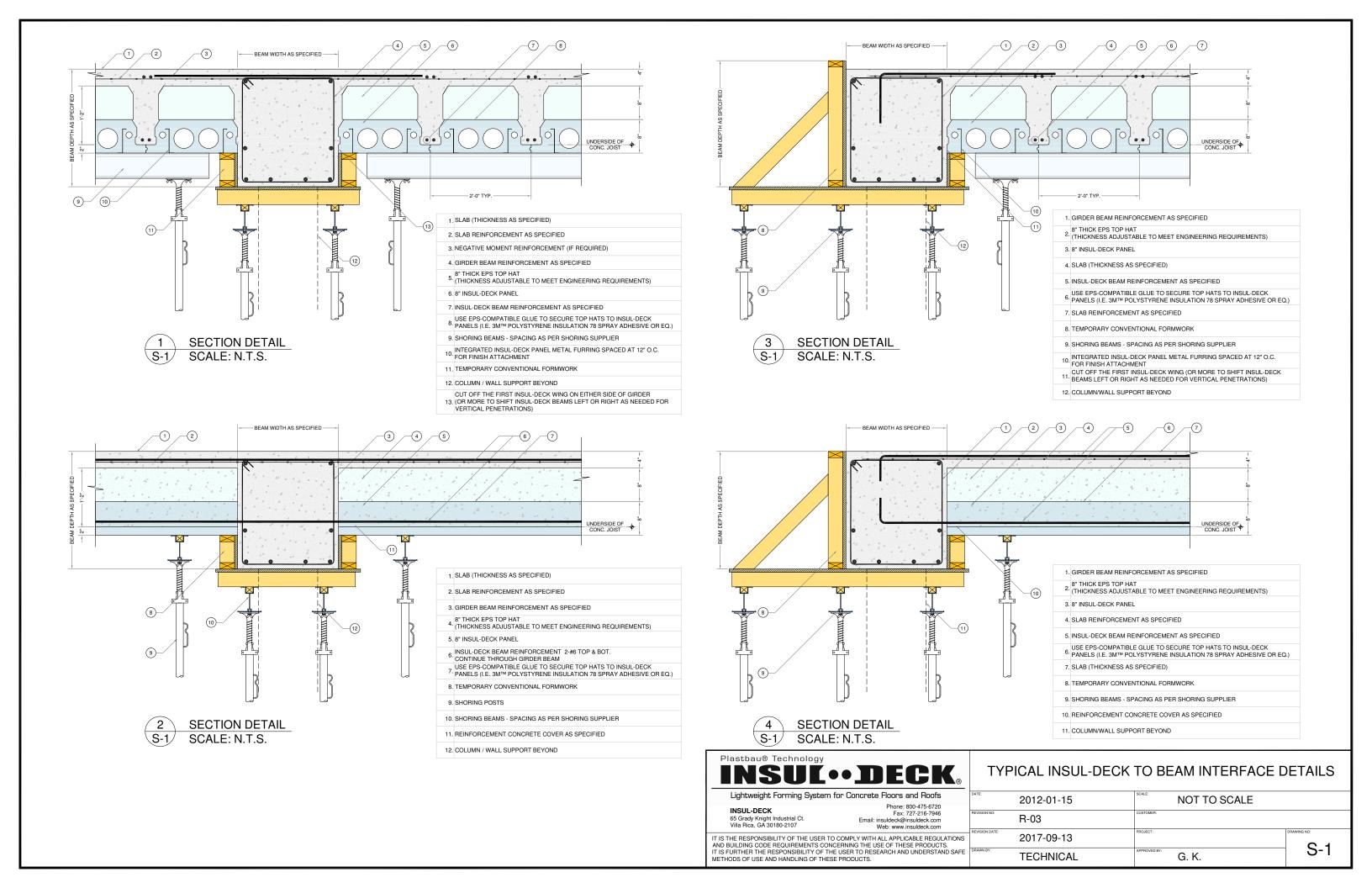
Plastbau® Technology INSUL••DECK®
Phone: 800-475-6720

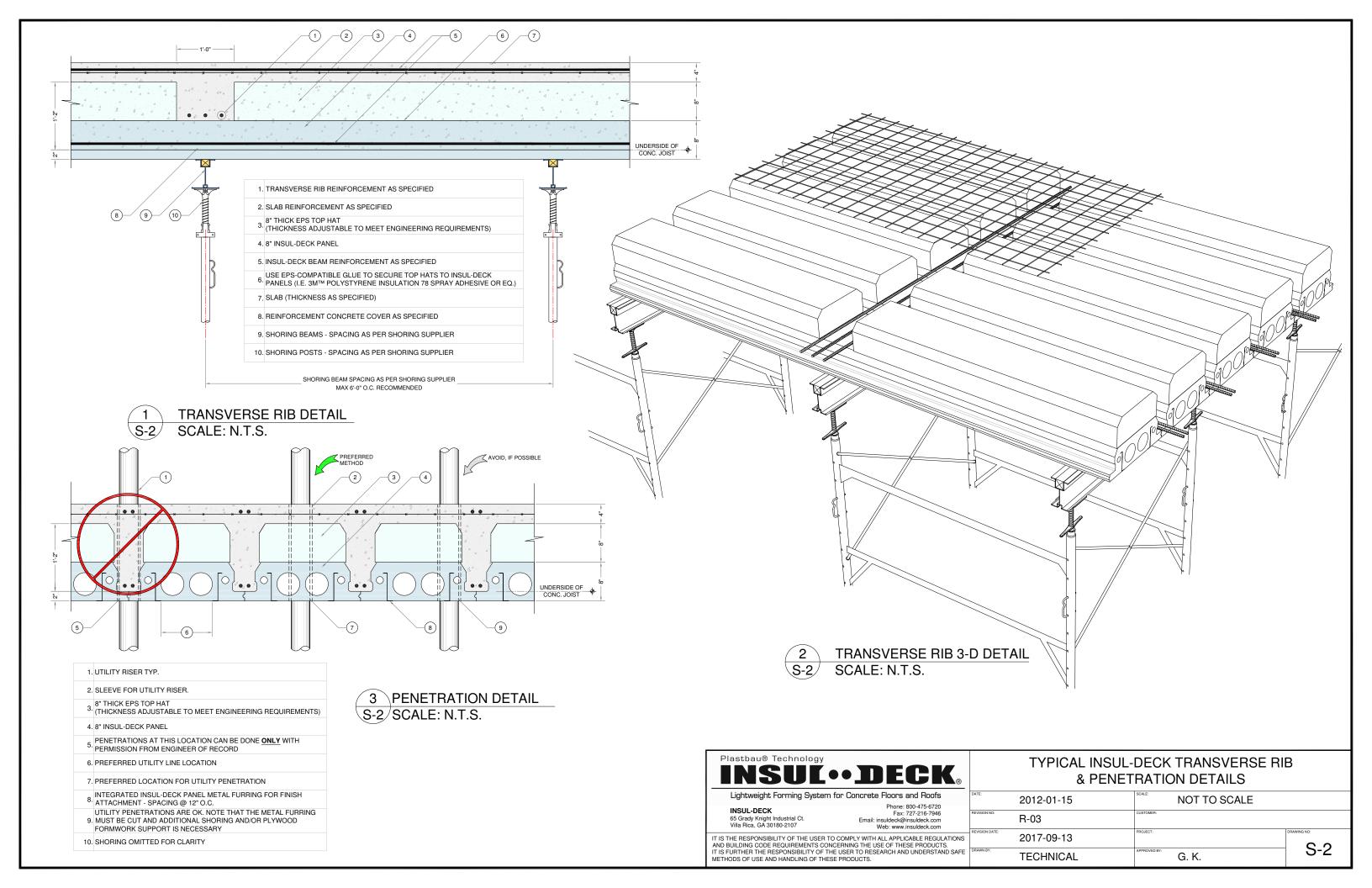
INSUL-DECK 65 Grady Knight Industrial Ct. Villa Rica, GA 30180-2107 Fax: 727-216-7946 Email: insuldeck@insuldeck.com Web: www.insuldeck.com Y WITH ALL APPLICABLE REGULATIONS

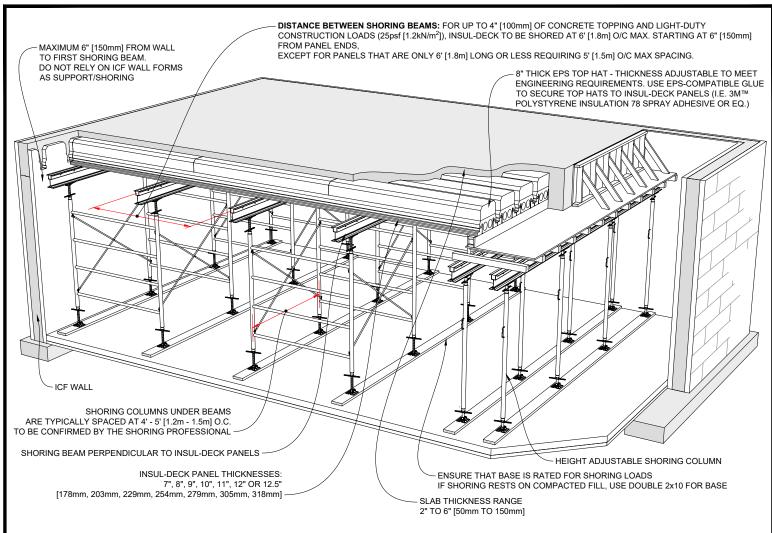
IT IS THE RESPONSIBILITY OF THE USER TO COMPLY WITH ALL APPLICABLE REGULATIONS AND BUILDING CODE REQUIREMENTS CONCERNING THE USE OF THESE PRODUCTS. IT IS FURTHER THE RESPONSIBILITY OF THE USER TO RESEARCH AND UNDERSTAND SAFE METHODS OF USE AND HANDLING OF THESE PRODUCTS.

EPS Top Hats

DATE DRAWN:	2017-02-15	COMMENTS:	N/A		
REVISION NO:	R2	SHEET SIZE:	8.5" x 11" [216mm x 279mm]		
REVISION DATE:	2021-10-01	SCALE:	NOT TO SCALE	ID-108	
DRAWN BY:	TECHNICAL	APPROVED BY:	G. K.	וט-100	







(1)

TYPICAL INSUL-DECK WITH EPS TOP HATS SHORING LAYOUT

REINFORCEMENT OMITTED FOR CLARITY

SHORING AND BRACING:

INSTALLER IS RESPONSIBLE FOR THE DESIGN AND CORRECT INSTALLATION OF SHORING OF INSUL-DECK FORMS IN ACCORDANCE WITH ACI (AMERICAN CONCRETE INSTITUTE) 347-04 "GUIDE TO FORMWORK FOR CONCRETE" OR CURRENT APPLICABLE CODES. ANY VARIANCE FROM THESE STANDARDS MUST BE PROVIDED AND CERTIFIED IN ADVANCE BY A QUALIFIED ENGINEER, LICENSED FOR THE JOBSITE LOCATION AND SPECIFICATIONS.

Insul-Deck with Top Hats Floor Weights (lb/sqft)					
	2" Slab	3" Slab	4" Slab	5" Slab	
8" Insul-Deck Panel + 5" Top Hat	64.2	76.7	89.2	101.7	
8" Insul-Deck Panel + 6" Top Hat	67.4	79.9	92.4	104.9	
8" Insul-Deck Panel + 7" Top Hat	70.5	83.0	95.5	108.0	
8" Insul-Deck Panel + 8" Top Hat	73.6	86.1	98.6	111.1	
8" Insul-Deck Panel + 9" Top Hat	76.7	89.2	101.7	114.2	
8" Insul-Deck Panel + 10" Top Hat	79.9	92.4	104.9	117.4	
8" Insul-Deck Panel + 11" Top Hat	83.0	95.5	108.0	120.5	
8" Insul-Deck Panel + 12" Top Hat	86.1	98.6	111.1	123.6	

Notes:

The above are unfactored estimated weights which include concrete (150pcf), reinforcement (3lb/sqft), Insul-Deck Panel

Insul-Deck with Top Hats Floor Weights (Kg/m²)					
	50mm Slab	75mm Slab	100mm Slab	125mm Slab	
203mm Insul-Deck Panel + 130mm Top Hat	297.4	357.4	417.4	477.4	
203mm Insul-Deck Panel + 150mm Top Hat	302.9	362.9	422.9	482.9	
203mm Insul-Deck Panel + 180mm Top Hat	311	371	431	491	
203mm Insul-Deck Panel + 200mm Top Hat	316.5	376.5	436.5	496.5	
203mm Insul-Deck Panel + 230mm Top Hat	324.6	384.6	444.6	504.6	
203mm Insul-Deck Panel + 250mm Top Hat	330.1	390.1	450.1	510.1	
203mm Insul-Deck Panel + 280mm Top Hat	338.2	398.2	458.2	518.2	
203mm Insul-Deck Panel + 300mm Top Hat	343.7	403.7	463.7	523.7	

Notes:

The above are unfactored estimated weights which include concrete (2400Kg/m³), reinforcement (15Kg/m²), Insul-Deck Panel (10Kg/m²) and misc. (10Kg/m²)

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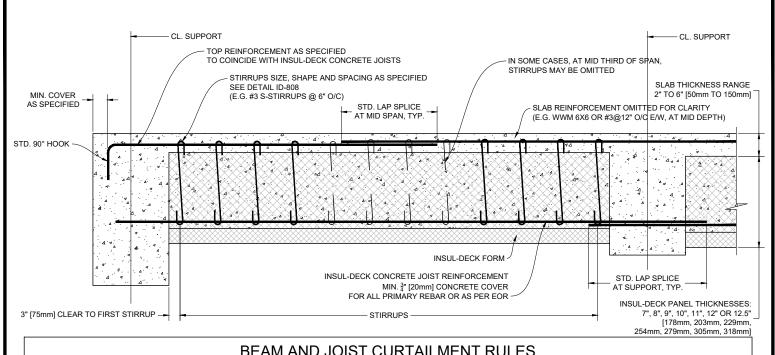
65 Grady Knight Industrial Ct. Villa Rica, GA 30180-2107 Phone: 800-475-6720 Fax: 727-216-7946 Email: insuldeck@insuldeck.com

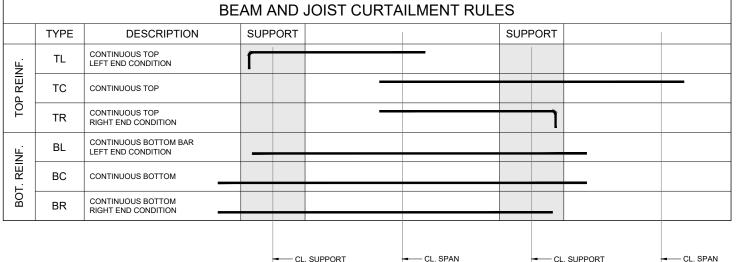
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INSUL-DECK & EPS TOP HAT SHORING DETAIL

DATE DRAWN:	2017-02-15	COMMENTS:	N/A		
REVISION NO:	R2	SHEET SIZE:	8.5" x 11" [216mm x 279mm]		
REVISION DATE:	2021-10-01	SCALE:	NOT TO SCALE	ID 110	
DRAWN BY:	TECHNICAL	APPROVED BY:	G. K.	ID-112	







Plastbau® Technology

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Web: www.insuldeck.com

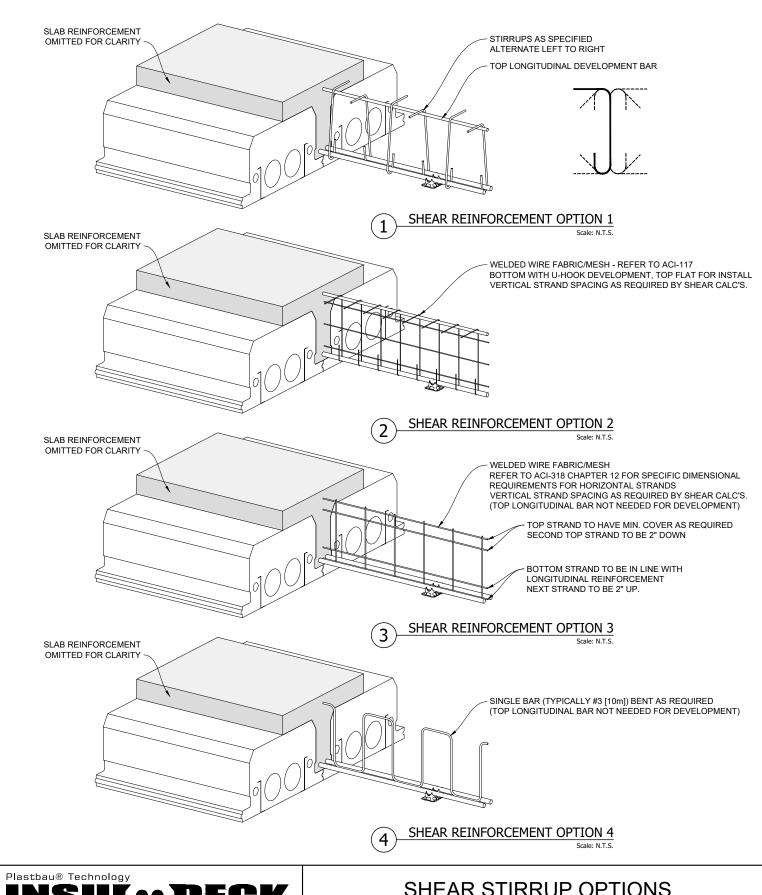
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AND BUILDING CODE REQUIREMENTS CONCERNING THE USE OF THESE PRODUCTS.

IT IS FURTHER THE RESPONSIBILITY OF THE USER TO RESEARCH AND UNDERSTAND SAFE METHODS OF USE AND HANDLING OF THESE PRODUCTS.

CONCRETE JOIST REINFORCEMENT DETAIL SPECIAL CASES ONLY

DATE DRAWN:	2017-02-15	COMMENTS:	N/A	
REVISION NO:	R2	SHEET SIZE:	8.5" x 11" [216mm x 279mm]	
REVISION DATE:	2021-10-01	SCALE:	NOT TO SCALE	ID-114
DRAWN BY:	TECHNICAL	APPROVED BY:	G. K.	1D-114



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IT IS THE RESPONSIBILITY OF THE USER TO COMPLY WITH ALL APPLICABLE REGULATIONS AND BUILDING CODE REQUIREMENTS CONCERNING THE USE OF THESE PRODUCTS. IT IS FURTHER THE RESPONSIBILITY OF THE USER TO RESEARCH AND UNDERSTAND SAFE METHODS OF USE AND HANDLING OF THESE PRODUCTS.

SHEAR STIRRUP OPTIONS

DATE DRAWN:	2017-02-15	COMMENTS:	N/A		
REVISION NO:	R2	SHEET SIZE:	8.5" x 11" [216mm x 279mm]		
REVISION DATE:	2021-10-01	SCALE:	NOT TO SCALE	ID-808	
DRAWN BY:	TECHNICAL	APPROVED BY:	G. K.	ID-000	