

(ENGINEERS)

SUBMITTAL DATA

Equipment Support

Model: UES-3
Equipment Support

4

1.

Standard Construction:

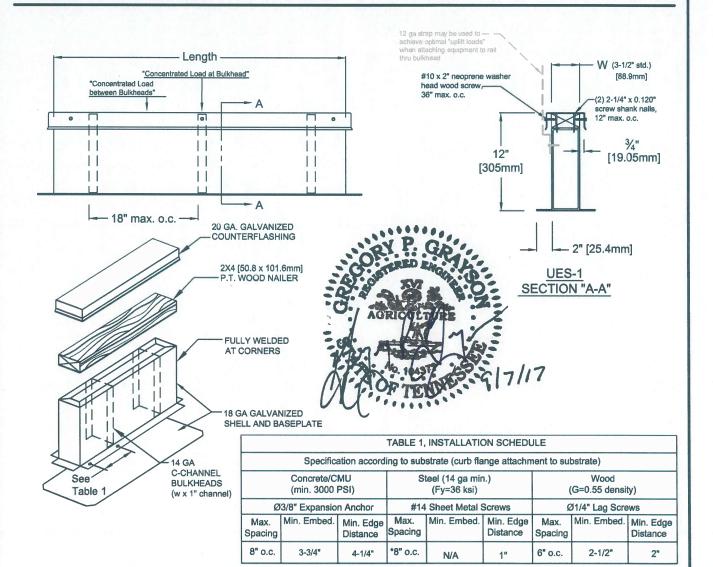
2.

Additional Options:

18 ga. Galvanized steel shell and baseplate; 12" [305mm] minimum height, 2×4 [51 x 102mm] pressure treated wood nailer (std.); C-channel bulkheads as required; Fully welded one piece construction, 20 ga galvanized counterflashing All welds prime painted after fabrication.

3.





NOTE: Due to continuing research, United Enertech reserves the right to change specifications without notice.

Qty.	LENGTH	Н	W	R	Roof Slope	Tag- Description	
DRAWN BY: CLJ	DATE: 8-25-06	REV. NO. 6		REV. DATE: 8-8-17	APPROVED B CBY	Y: DWG. NO.: M-5	



Model: UES-2

(ENGINEERS)

SUBMITTAL DATA

Equipment Support

Additional Options:

Equipment Support 1. **Standard Construction:** 2. 18 ga. Galvanized steel shell and baseplate; 8" [203mm] minimum height, 3. 2 x 4 [51 x 102mm] pressure treated wood nailer (std.); C-channel bulkheads as required; Fully welded one piece construction, 20 ga galvanized 4. counterflashing. All welds prime painted after fabrication. - Length #10 x 2" neoprene washer W (3-1/2" std.) head wood screw, [88.9mm] "Concentrated Load at Bulkhead" 36" max. o.c. *Concentrated Load (2) 2-1/4" x 0.120" between Bulkheads screw shank nails. 12" max. o.c. H (8" std.) [19.05mm] [203mm] 11 - 18" max. o.c. 1" [25.4mm] 20 GA. GALVANIZED COUNTERFLASHING UES-2 SECTION "A-A" 2X4 [50.8 x 101,6mm] P.T. WOOD NAILER FULLY WELDED AT CORNERS 18 GA GAI VANIZED SHELL AND BASEPLATE TABLE 1, INSTALLATION SCHEDULE Specification according to substrate (curb flange attachment to substrate) 14 GA C-CHANNEL Concrete/CMU Steel (14 ga min.) Wood BULKHEADS See (min. 3000 PSI) (Fy=36 ksi) (G=0.55 density) (w x 1" channel) Table 1 Ø3/8" Expansion Anchor #14 Sheet Metal Screws Ø1/4" Lag Screws Min. Embed. Max. Min. Embed. Min. Edge Min. Embed. Min. Edge Max. Min. Edge Max. Spacing Distance Spacing Distance Spacing Distance *8" o.c. 8" o.c. 3-3/4" 4-1/4" 2-1/2" N/A NOTE: Due to continuing research, United Enertech reserves the right to change specifications without notice. Roof Qty. **Tag-Description LENGTH** W H R Slope DRAWN BY: REV. NO. REV. DATE: APPROVED BY: DWG NO: 8-25-06 CLJ **M-6** 8-3-17 CBY

_ of _

Page



(ENGINEERS)

SUBMITTAL DATA

Equipment Support Additional Options: Model: UES-1 **Equipment Support** 1. 2. **Standard Construction:** 18 ga. Galvanized steel shell and baseplate; 10" [254mm] minimum height, 3. 2 x 4 [51 x 102mm] pressure treated wood nailer (std.); raised cant; C-channel bulkheads as required; Fully welded one piece construction, 20 ga galvanized 4. counterflashing. All welds prime painted after fabrication. 12 ga strap may be used to — - achieve optimal "uplift loads" when attaching equipment to rail thru bulkhead Length W (3-1/2" std.) "Concentrated Load at Bulkhead" 'Concentrated Load #10 x 2" neoprene washer [88.9mm] between Bulkheads' head wood screw, (2) 2-1/4" x 0.120" 36" max. o.c. screw shank nails, 6 <u>о</u> Г 12" max. o.c. 81 H (10" std.) [216 mm] [254mm] [19.05mm] R ---- 3" [76.2mm] 18" max. o.c. (1-1/2" std.) 20 GA. GALVANIZED 1" [25.4mm] COUNTERFLASHING UES-1 2X4 [50.8 x 101.6mm] **SECTION "A-A"** P.T. WOOD NAILER FULLY WELDED AT CORNERS

> TABLE 1, INSTALLATION SCHEDULE Specification according to substrate (curb flange attachment to substrate) Concrete/CMU Steel (14 ga min.) Wood (min. 3000 PSI) (Fy=36 ksi) (G=0.55 density) Ø3/8" Expansion Anchor #14 Sheet Metal Screws Ø1/4" Lag Screws Min. Embed. Min. Edge Max. Min. Embed. Max. Min. Edge Max. Min. Embed. Min. Edge Spacing Distance Spacing Distance Spacing Distance 8" o.c. 3-3/4" 6" o.c. 2-1/2" N/A

NOTE: Due to continuing research, United Enertech reserves the right to change specifications without notice.

14 GÁ

See

Table 1

C-CHANNEL BULKHEADS

(w x 1" channel)

18 GA GALVANIZED SHELL AND BASEPLATE

Qty.	LENGTH	н	w	R	Roof Slope	Tag- Description	

CLJ	DATE: 8-9-06	REV. NO. 8		REV. DATE: 9-5-17	APPROVE CBY	D BY:	DWG. NO.: M-5

LOAD BEARING DATA FOR UNITED ENERTECH EQUIPMENT SUPPORTS

Model	Height (in)	Gauge	Max. Allowable	Maximum	Max. Allowable		
			Concentrated Load	Allowable Concentrated		Uplift using a 12 gauge Strap	Maximum
			at Bulkhead (lbs.)	Uniform Load	Load Between	and (4) #12 TEk screws	Allowable Uniform
			at Buikileau (ibs.)	(plf)	Bulkhead (lbs.)	attached to Rail (lbs.)	Uplift Load (plf)
UES-1	10"	18	3017	2011	800	1000	667
UES-2	8"	18	3050	2033	800	1000	667
UES-3	12"	18	2975	1984	800	1000	667
UES-1	14"	18	2926	1951	800	1000	667
UES-2	12"	18	2975	1984	800	1000	667
UES-3	16"	18	2869	1913	800	1000	667
UES-1	10"	14	6310	4207	800	2000	1333
UES-2	8"	14	6400	4267	800	2000	1333
UES-3	12"	14	6197	4131	800	2000	1333
UES-1	14"	14	6063	4042	800	2000	1333
UES-2	12"	14	6197	4131	800	2000	1333
UES-3	16"	14	5909	3940	800	2000	1333

Concentrated load is based upon the load being applied directly above a bulkhead. Bulkheads are spaced on a maximum of 18" O.C.

Cantilever Sections greater than 6" in length should be avoided. Any conditions not included in the chart above can be certified by United Enertech upon request. Equipment attachment is accomplished by a 4" wide 12 gauge strap with a mimimum of (4) #12 TEK screws fastened to the side of a bulkhead.

All uplift loads assume the attachment method of the support is done per the chart (table 1) below.

			TABLE 1	INSTALLATIO	ON SCHEDU	JLE		
	Specifica	ation accord	ing to sub	strate (curb fla	nge attachn	nent to su	bstrate)	
Concrete/CMU (min. 3000 PSI)			Steel (14 ga min.) (Fy=36 ksi)			Wood (G=0.55 density)		
Ø3/8" Expansion Anchor			#14 Sheet Metal Screws			Ø1/4" Lag Screws		
Max. Spacing	Min. Embed.	Min. Edge Distance	Max. Spacing	Min. Embed.	Min. Edge Distance	Max. Spacing	Min. Embed.	Min. Edge Distance
8" o.c.	3-3/4"	4-1/4"	*8" o.c.	N/A	1"	6" o.c.	2-1/2"	2"

