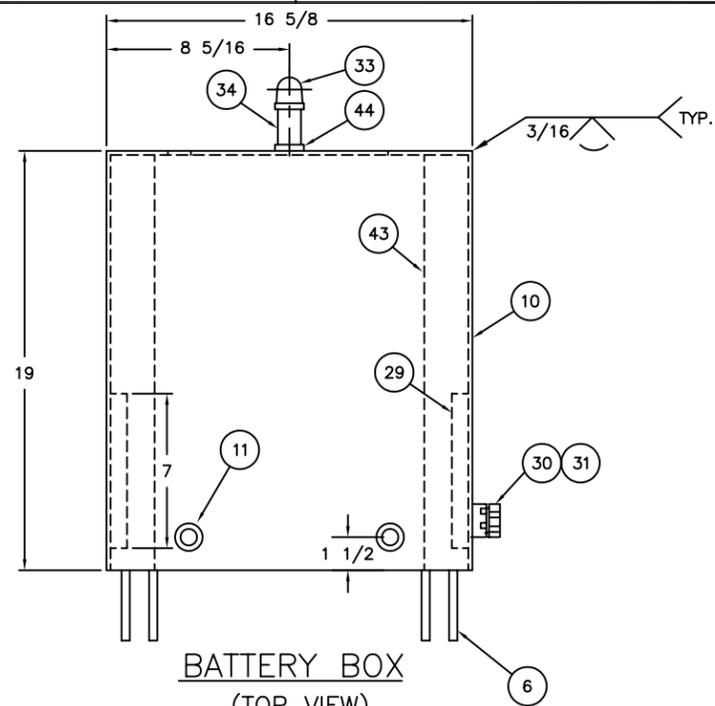
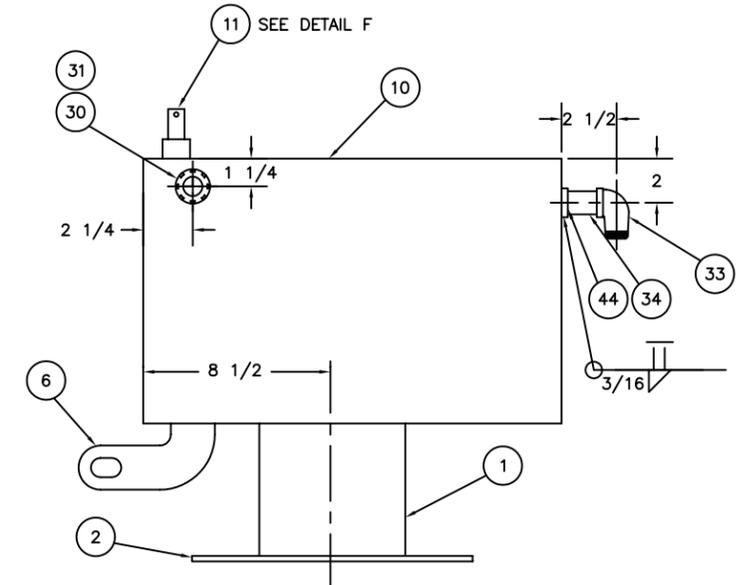


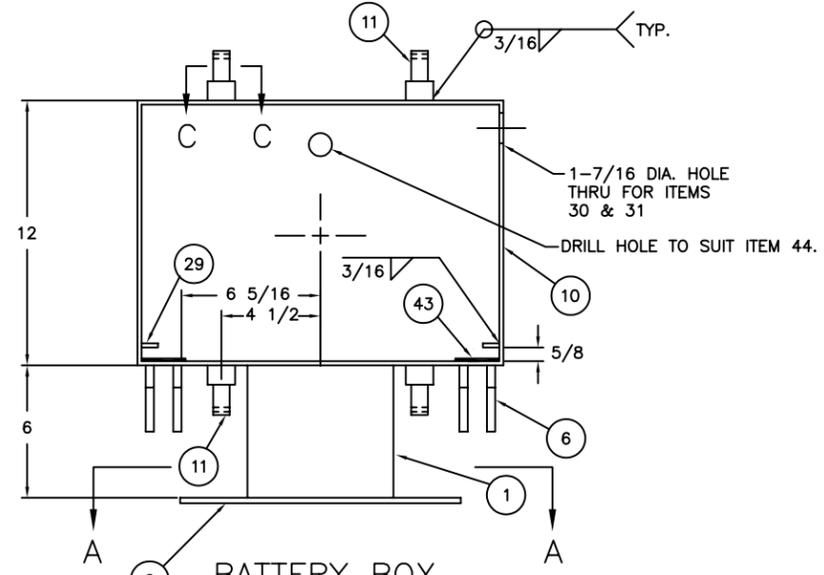
BATTERY BOX
(ISOMETRIC VIEW)
NO SCALE



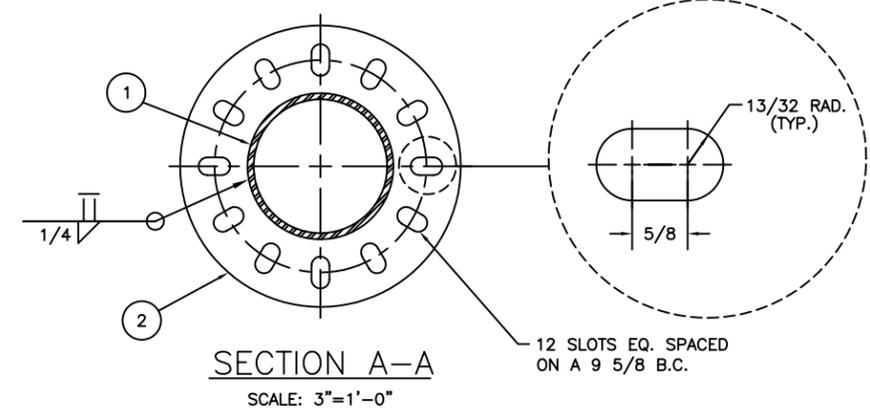
BATTERY BOX
(TOP VIEW)
SCALE: 3"=1'-0"



BATTERY BOX
(SIDE VIEW)
SCALE: 3"=1'-0"

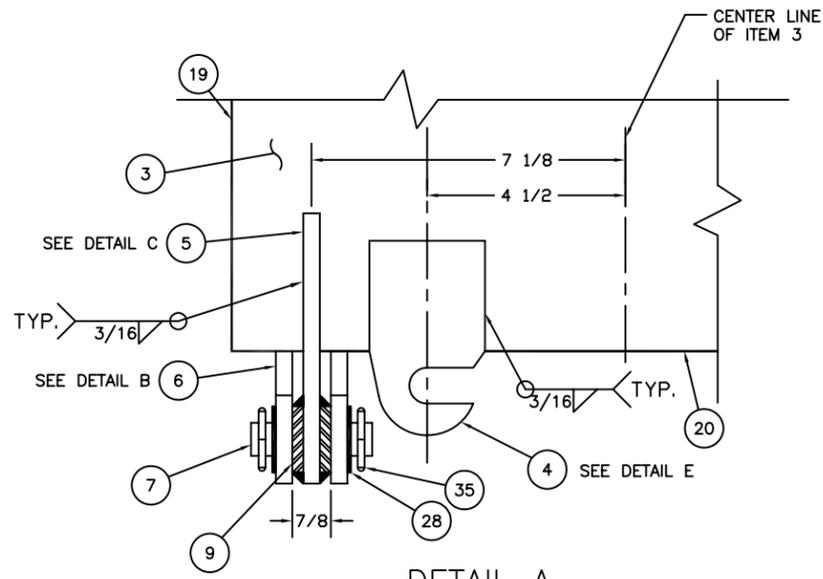


BATTERY BOX
(FRONT VIEW)
SCALE: 3"=1'-0"

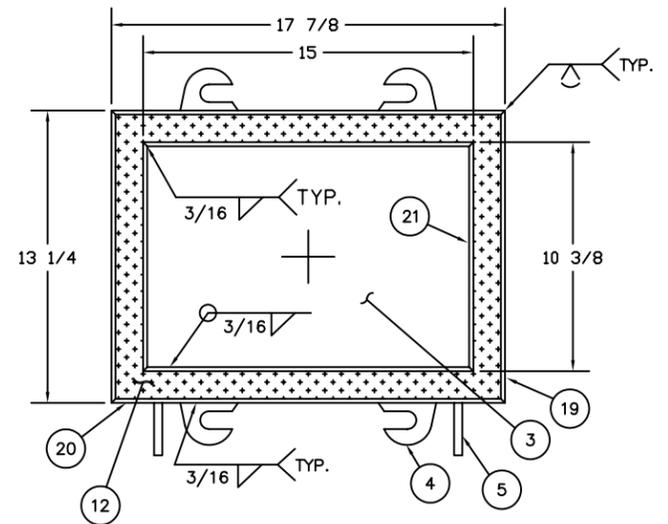


SECTION A-A
SCALE: 3"=1'-0"

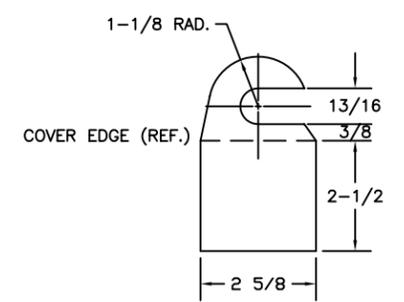
REV.	DATE	APPR.	DESCRIPTION	BY
L	12-3-02	WD	CORRECTED REMARKS FOR ITEMS 17 & 32.	S.M.
K	3-11-02	WD	REDESIGNED BOX AND TRAY. CHANGED MATL. FOR TRAY TO SST. DELETED ITEMS 36-40. ADDED ITEMS 41-44.	S.M.
J	1-22-97	SW	MOVED ITEMS 6 AND 29. ENLARGED STUFFING TUBE HOLE IN ITEM 10. MODIFIED ITEM 11, 19, 20, 38, AND 39.	C.B.
I	5-18-95	SW	REORGANIZED THE DWG. ADDED ITEMS 36, 37, 38, 39, & 40. MODIFIED ITEMS 15, 21, 22, 23, & 32.	C.B.
H	2-7-94	SW	REORGANIZED THE DWG. ADDED SHEET 3 AND ITEM 35. MODIFIED ITEMS 4, 11, 33, & 34.	S.M.
G	12-21-92	WD	MODIFIED ITEMS 22 & 29. TIGHTEN TOLERANCES IN DETAIL A, BATTERY RACK (TOP VIEW), AND VIEW F-F. ADDED NOTE 6.	S.M.
DESIGNED: R.B.			U.S. COAST GUARD HEADQUARTERS	
DRAWN: W.D.			CIVIL ENGINEERING	
TRACED: S.M.			SOLAR BUOY DOUBLE BATTERY BOX	
CHECKED:				
REVIEWED BY:			APPROVED: D. H. DeBok DATE: 2/6/87	
PROJECT ENGINEER: S. McEvoy			CHIEF, OCEAN ENGINEERING BRANCH	
REVIEWED BY: S. D. Walker			DRAWING NUMBER: 121100	
G-ECV-3B			SCALE: AS NOTED SHEET 1 OF 3	
REVIEWED BY:			UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS ARE IN INCHES. TOLERANCES: DIM. ±1/8 (OR AS SPECIFIED) ANG. ±1°	



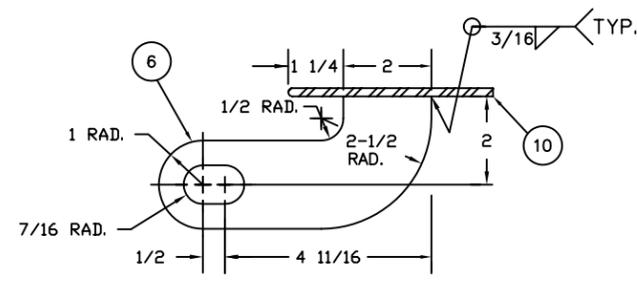
DETAIL A
SCALE: HALF
(TOLERANCE: ±1/16)



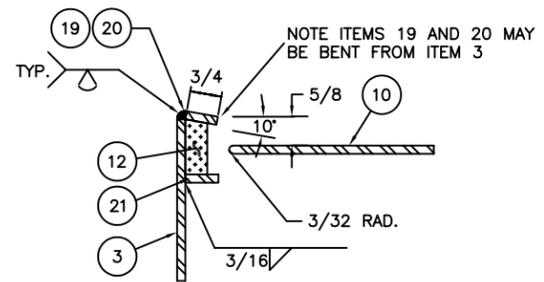
DETAIL D
(REAR VIEW)
SCALE: 3"=1'-0"



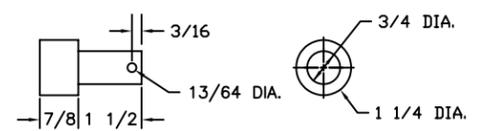
DETAIL E
SCALE: HALF



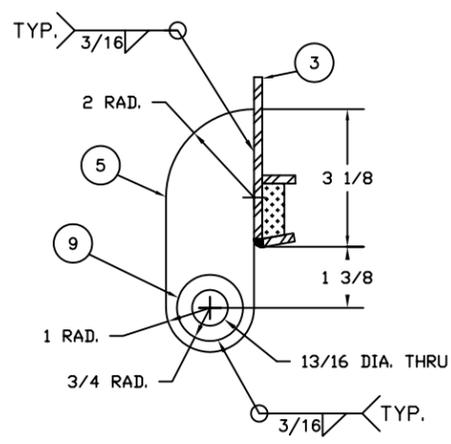
DETAIL B
SCALE: HALF



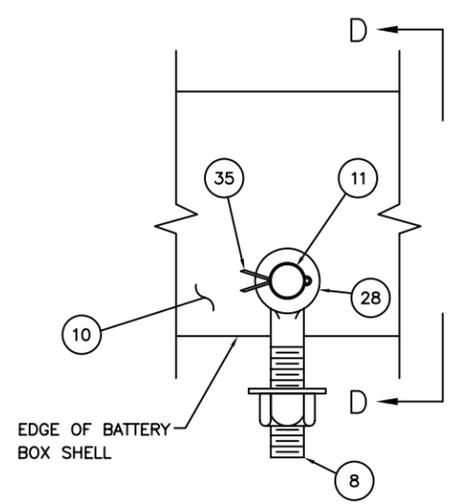
SECTION B-B
SCALE: HALF



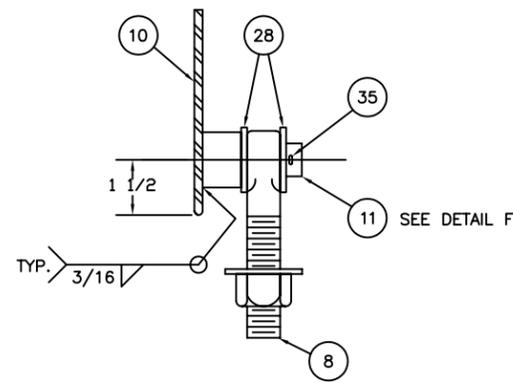
DETAIL F
SCALE: HALF



DETAIL C
SCALE: HALF



VIEW C-C
SCALE: HALF



VIEW D-D
SCALE: HALF

L	12-3-02	WD	CORRECTED REMARKS FOR ITEMS 17 & 32.	S.M.
K	3-11-02	WD	REDESIGNED BOX AND TRAY. CHANGED MATL. FOR TRAY TO SST. DELETED ITEMS 36-40. ADDED ITEMS 41-44.	S.M.
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REV.	DATE	APPR.	DESCRIPTION	BY
DESIGNED: R.B.		U.S. COAST GUARD HEADQUARTERS		
DRAWN: W.D.		CIVIL ENGINEERING		
TRACED: S.M.		SOLAR BUOY		
CHECKED:		DOUBLE BATTERY		
REVIEWED BY:		BOX		
S. McEvoy		APPROVED: D. H. DeBok		DATE: 2/6/87
PROJECT ENGINEER		CHIEF, OCEAN ENGINEERING BRANCH		
REVIEWED BY:		S. D. Walker		
G-ECV-3B				
REVIEWED BY:				
UNLESS OTHERWISE SPECIFIED:		DRAWING NUMBER		REV.
ALL DIMENSIONS ARE IN INCHES.		121100		L
TOLERANCES: DIM. ±1/8 (OR AS		SCALE: AS NOTED		SHEET 2 OF 3
ANG. ±1° SPECIFIED)				

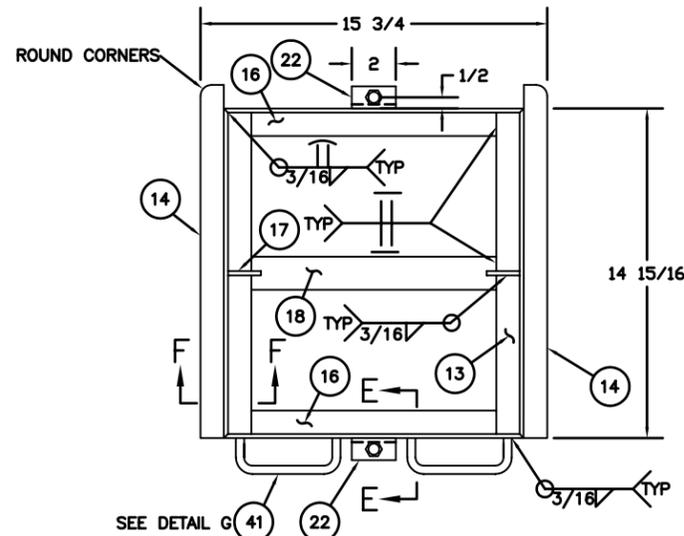
BILL OF MATERIALS

ITEM NO.	NO. REQ.	DESCRIPTION	MATL.	REMARKS
1	1	BOX MOUNTING STAND	STEEL	6 DIA. SCH. 40
2	1	MOUNTING STAND FLANGE	STEEL	12 3/4 O.D. x 6 I.D. x 1/4 THK.
3	1	COVER PLATE	STEEL	17 1/2 x 13 1/4 x 3/16 THK.
4	4	SWINGBOLT PAD	STAIN. STEEL	3/8 THK.
5	2	COVER HINGE	STEEL	2 WIDE x 3/8 THK.
6	4	BASE HINGE	STEEL	2 WIDE x 3/8 THK.
7	2	CLEVIS PIN	STAIN. STEEL	SEE DRAWING 121102
8	4	SWINGBOLT ASSEMBLY	STAIN. STEEL	SEE DRAWING 121102
9	4	HINGE CHEEK PLATES	STEEL	3/16 THK.
10	1	BOX SHELL	STEEL	3/16 THK.
11	4	SWINGBOLT MOUNT	STAIN. STEEL	SEE DETAIL F
12	1	COVER GASKET	RUBBER	1/2 x 1 1/4 MIL-R-900 45-55 DUROMETER
13	2	RACK SLIDE ANGLE	STAIN. STEEL	1 1/4 x 1 1/4 x 3/16 L
14	2	RACK SLIDE	STAIN. STEEL	1 1/4 x 1 1/4 x 3/16 L
15	2	HOLD DOWN BOLT	STAIN. STEEL	1/2x13x2 LG HEX HD FULLY THREADED BOLT
16	2	RACK ANGLE END	STAIN. STEEL	1 1/4 x 1 1/4 x 3/16 L
17	2	SUPPORT TAB	STAIN. STEEL	1-1/2 x 1-1/2 SQ. x 3/16 THK.
18	1	RACK BAR	STAIN. STEEL	1 1/2 BAR x 3/16 THK.
19	2	COVER SIDE LIP	STEEL	3/4 BAR x 3/16 THK.
20	2	COVER END LIP	STEEL	3/4 BAR x 3/16 THK.
21	4	COVER STIFFNER	STEEL	3/4 BAR x 3/16 THK.
22	2	BOLT SUPPORT	STAIN. STEEL	1 x 1 x 3/16 L
23	1	HOLD DOWN BAR	STAIN. STEEL	1 1/2 WD x 3/16 THK
24	2	HOLD DOWN NUT	STAIN. STEEL	1/2-13 HEX NUT
25	2	HOLD DOWN LOCKWASHER	STAIN. STEEL	1/2 SPLIT RING LOCKWASHER
26	6	BASE HEX BOLT	STAIN. STEEL	3/4-10 x 2 LG. HEX BOLT
27	6	BASE HEX NUT	STAIN. STEEL	3/4-10 NYLOC HEX NUT
28	18	WASHER	STAIN. STEEL	3/4
29	2	RACK RETAINER	STAIN. STEEL	3/4 WD. x 3/16 THK.
30	1	DORN STUFFING TUBE	PLASTIC	MIL SPEC M19622/1-005
31	1	PACKING GLAND	RUBBER	MIL SPEC M19622/19-0004
32	4	BAR CUSHION	NEOP.	1 1/2 WD x 1/8 THK. x 14-1/4 LG.
33	1	90° STREET ELBOW	STAIN. STEEL	3/4 NPT
34	1	VENT NIPPLE	STAIN. STEEL	3/4 NPT
35	8	COTTER PIN	STAIN. STEEL	3/16 DIA x 1-1/4 LG.
36				
37				
38				
39				
40				
41	2	RACK HANDLE	STAIN. STEEL	3/8 DIA ROD
42	2	RACK SLIDE STRIP	NYLON	1 1/4 WD x 1/8 THK x 16 LG.
43	2	BOX SLIDE STRIP	NYLON	3 WD x 1/8 THK x 18 13/16 LG.
44	1	HALF COUPLING	STAIN. STEEL	3/4 NPT

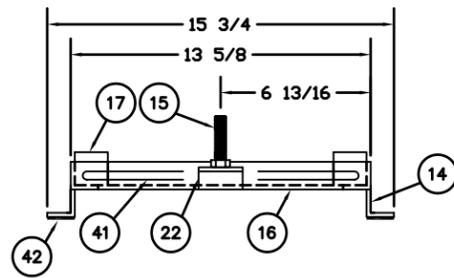
NOTES:

- SEE LATEST REVISION OF U.S.C.G. CIVIL ENGINEERING SPECIFICATION No. 460 FOR FABRICATIONS REQUIREMENTS.
- THE SOLAR BATTERY BOX IS DESIGNED FOR THE USE OF ONE OR TWO SUNLYTE 12-5000 OR DELCO 2000 BATTERIES.
- SAME AS W/T DOOR GASKET NSN 5330-00-542-1984.
- ATTACH WITH A SUITABLE ADHESIVE.
- THREAD THE ENDS OF ITEM 34 TO FIT WITH ITEMS 33 AND 44.

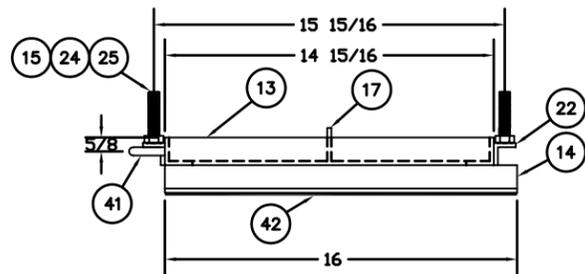
PLOTTING SCALE: 3"=1'-0"



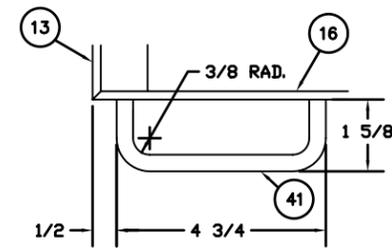
BATTERY RACK
(TOP VIEW)
SCALE: 3"=1'-0"
(TOLERANCE: ±1/16)



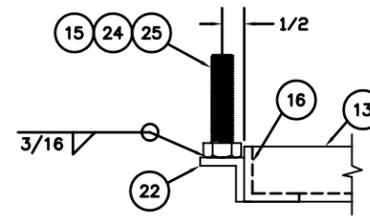
BATTERY RACK
(FRONT VIEW)
SCALE: 3"=1'-0"
(TOLERANCE: ±1/16)



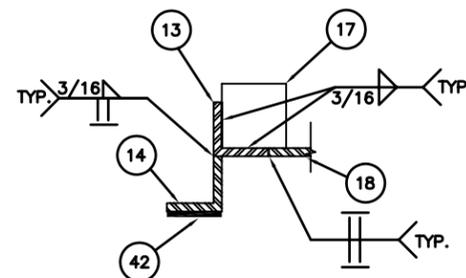
BATTERY RACK
(SIDE VIEW)
SCALE: 3"=1'-0"
(TOLERANCE: ±1/16)



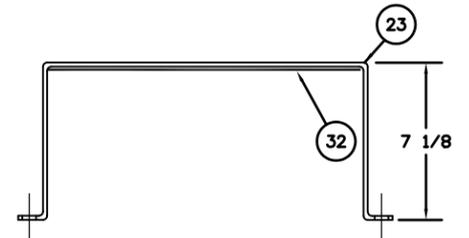
DETAIL G
(TOLERANCE: ±1/16)
SCALE: HALF



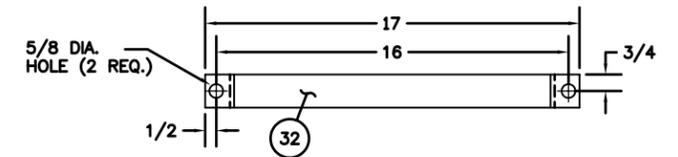
SECTION E-E
(TOLERANCE: ±1/16)
SCALE: HALF



SECTION F-F
SCALE: HALF



HOLD DOWN BAR
(FRONT VIEW)
SCALE: 3"=1'-0"



HOLD DOWN BAR
(BOTTOM VIEW)
SCALE: 3"=1'-0"

REV.	DATE	APPR.	DESCRIPTION	BY
L	12-3-02	WD	CORRECTED REMARKS FOR ITEMS 17 & 32.	S.M.
K	3-11-02	WD	REDESIGNED BOX AND TRAY. CHANGED MATL. FOR TRAY TO SST. DELETED ITEMS 36-40. ADDED ITEMS 41-44.	S.M.
J	1-22-97	SW	MOVED ITEMS 6 AND 29. ENLARGED STUFFING TUBE HOLE IN ITEM 10. MODIFIED ITEM 11, 19, 20, 38, AND 39.	C.B.
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DESIGNED: R.B.			U.S. COAST GUARD	HEADQUARTERS
DRAWN: W.D.			CIVIL ENGINEERING	
TRACED: S.M.			SOLAR BUOY	
CHECKED:			DOUBLE BATTERY	
REVIEWED BY:			BOX	
S. McEvoy			APPROVED: D. H. DeBok	
PROJECT ENGINEER			DATE: 2/6/87	
REVIEWED BY:			CHIEF, OCEAN ENGINEERING BRANCH	
S. D. Walker				
G-ECV-3B				
REVIEWED BY:			DRAWING NUMBER: 121100	
UNLESS OTHERWISE SPECIFIED:			SCALE: AS NOTED	
ALL DIMENSIONS ARE IN INCHES.			SHEET 3 OF 3	
TOLERANCES: DIM. ±1/8 (OR AS SPECIFIED)			REV. L	
ANG. ±1°				