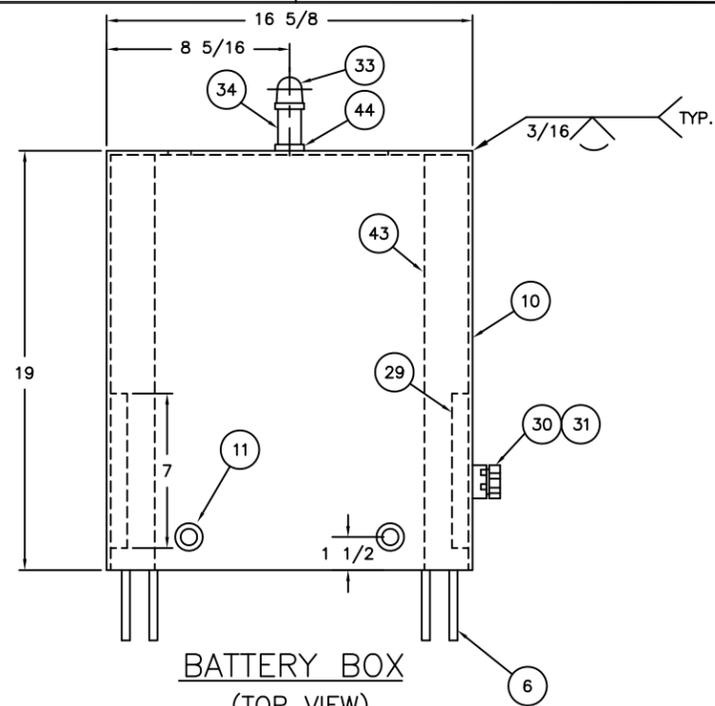
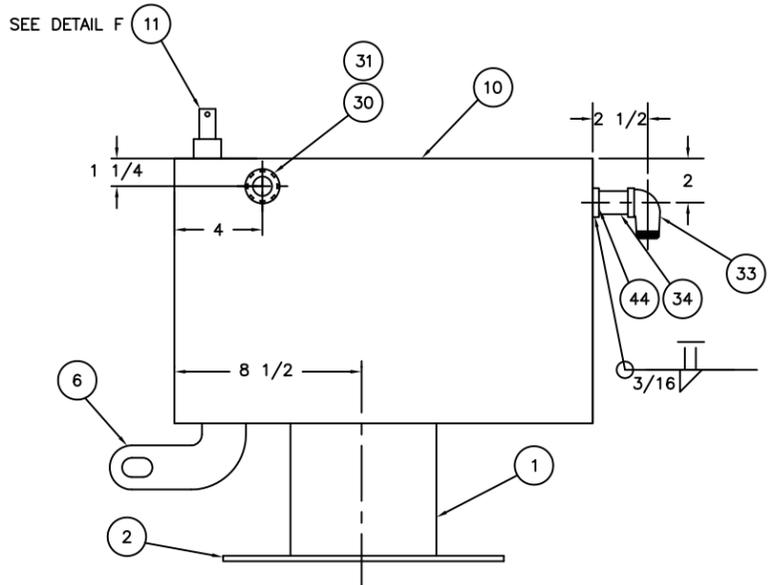


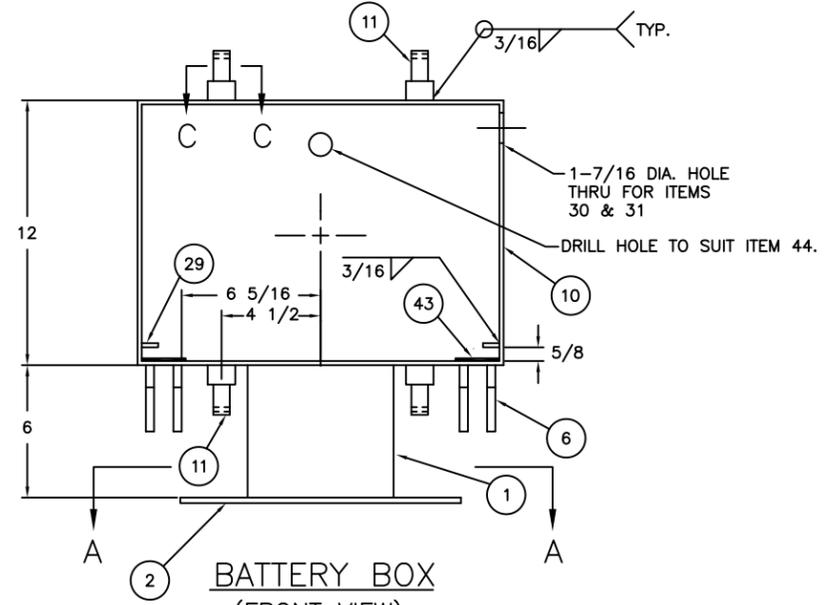
BATTERY BOX
(ISOMETRIC VIEW)
NO SCALE



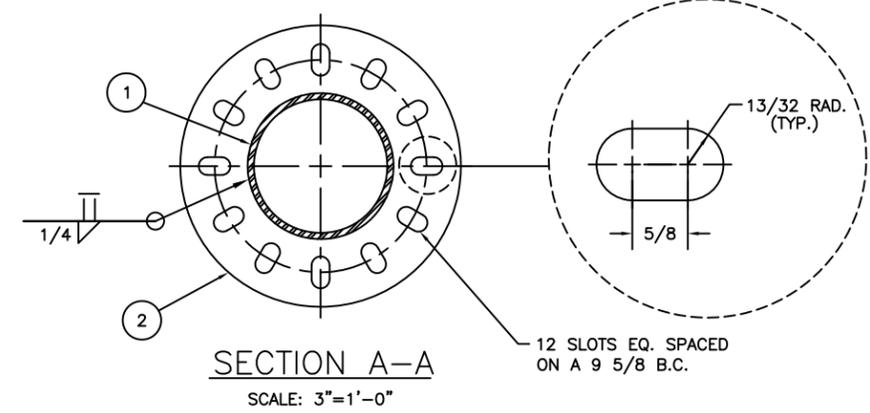
BATTERY BOX
(TOP VIEW)
SCALE: 3"=1'-0"



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



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



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

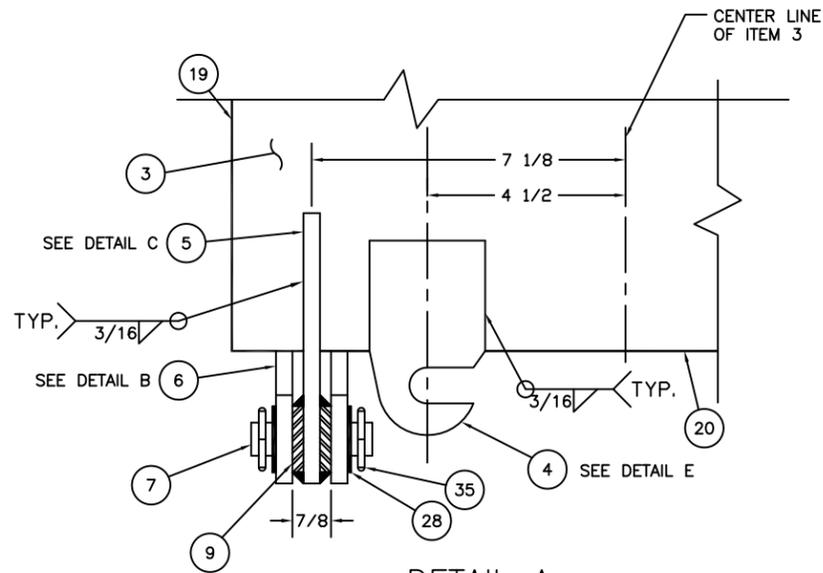
REV.	DATE	APPR.	DESCRIPTION	BY
M	5-18-10	WD	MODIFIED LOCATION OF ITEMS 30 & 31.	S.M.
L	12-3-02	WD	CORRECTED REMARKS FOR ITEMS 17 & 32.	S.M.
K	3-11-02	WD	REDESIGNED BOX AND TRAY. CHANGED MATL. FOR TRAY TO SST. DELETED ITEMS 36-40. ADDED ITEMS 41-44.	S.M.
J	1-22-97	SW	MOVED ITEMS 6 AND 29. ENLARGED STUFFING 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.
DRAWN: W.D.
TRACED: S.M.
CHECKED:
REVIEWED BY:
S. McEvoy
PROJECT ENGINEER
REVIEWED BY:
S. D. Walker
G-ECV-3B

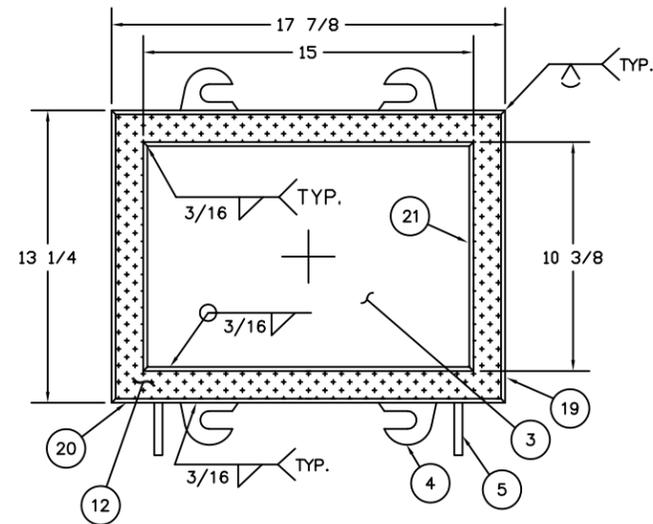
U.S. COAST GUARD HEADQUARTERS
CIVIL ENGINEERING
**SOLAR BUOY
DOUBLE BATTERY
BOX**

APPROVED: **D. H. DeBok** DATE: 2/6/87
CHIEF, OCEAN ENGINEERING BRANCH

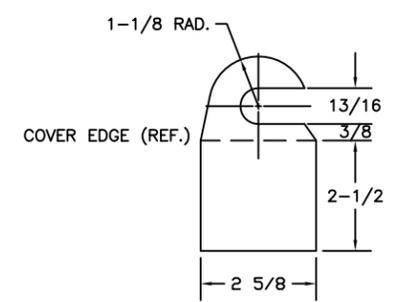
UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS ARE IN INCHES. TOLERANCES: DIM. ±1/8 (OR AS SPECIFIED) ANG. ±1°	DRAWING NUMBER 121100	REV. M
SCALE: AS NOTED	SHEET 1 OF 3	



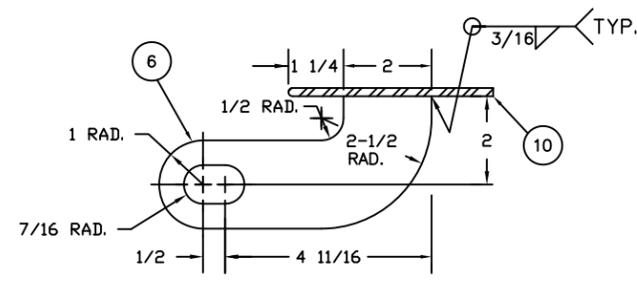
DETAIL A
SCALE: HALF
(TOLERANCE: ±1/16)



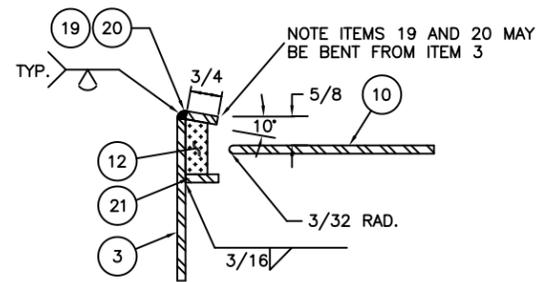
DETAIL D
(REAR VIEW)
SCALE: 3"=1'-0"



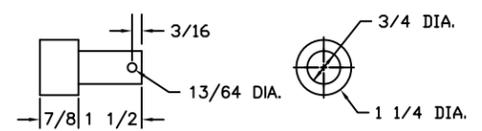
DETAIL E
SCALE: HALF



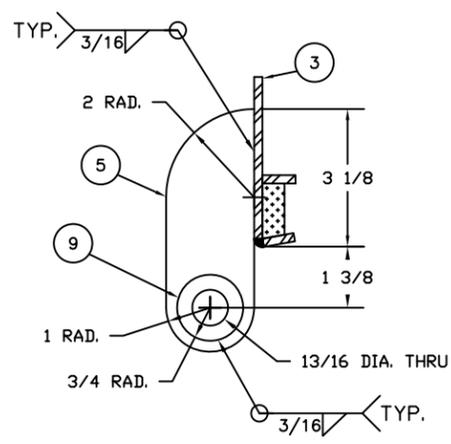
DETAIL B
SCALE: HALF



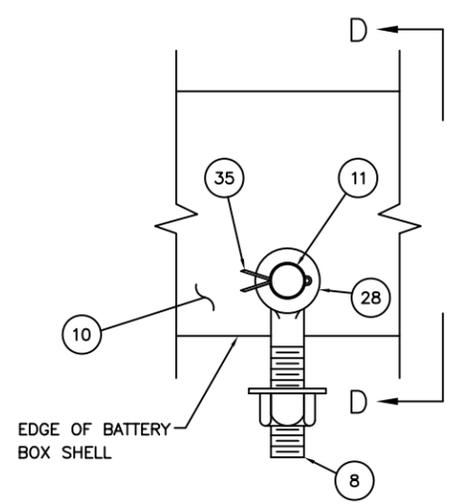
SECTION B-B
SCALE: HALF



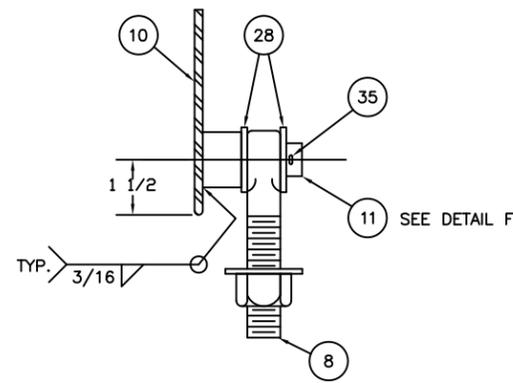
DETAIL F
SCALE: HALF



DETAIL C
SCALE: HALF



VIEW C-C
SCALE: HALF



VIEW D-D
SCALE: HALF

REV.	DATE	APPR.	DESCRIPTION	BY
M	5-18-10	WD	MODIFIED LOCATION OF ITEMS 30 & 31.	S.M.
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:			DATE	
S. McEvoy PROJECT ENGINEER			D. H. DeBok CHIEF, OCEAN ENGINEERING BRANCH	
REVIEWED BY:			2/6/87	
S. D. Walker G-ECV-3B			APPROVED:	
REVIEWED BY:			DRAWING NUMBER	
UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS ARE IN INCHES. TOLERANCES: DIM. ±1/8 (OR AS SPECIFIED) ANG. ±1°			121100	
SCALE: AS NOTED			REV. M	
SHEET 2 OF 3				

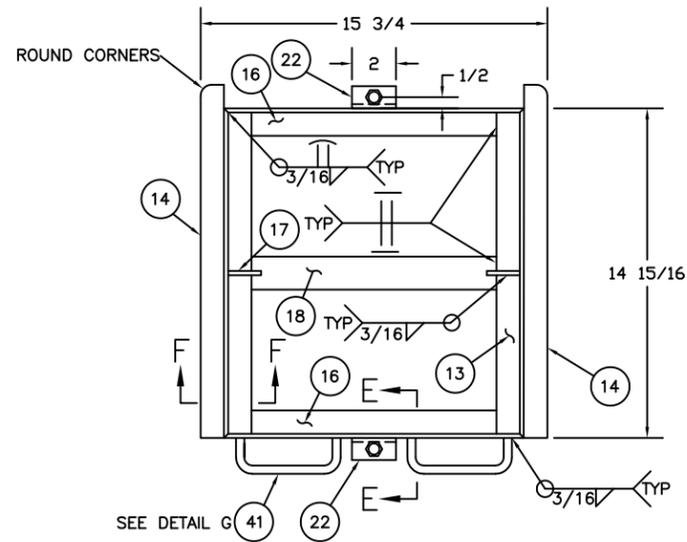
BILL OF MATERIALS

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	1/2 x 13 x 2 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:

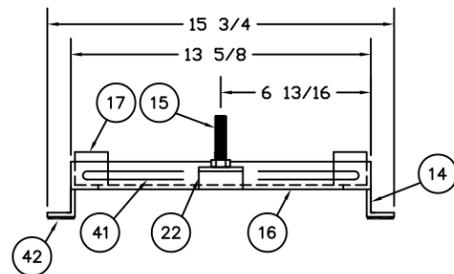
- SEE LATEST REVISION OF U.S.C.G. CIVIL ENGINEERING SPECIFICATION No. 460 FOR FABRICATIONS REQUIREMENTS.
- THE SOLAR BATTERY BOX IS DESIGNED FOR THE USE OF ONE OR TWO SUNLYTE 12-5000 OR DELCO 2000 BATTERIES.
- SAME AS W/T DOOR GASKET NSN 5330-00-542-1984.
- ATTACH WITH A SUITABLE ADHESIVE.
- THREAD THE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

PLOTTING SCALE: 3"=1'-0"



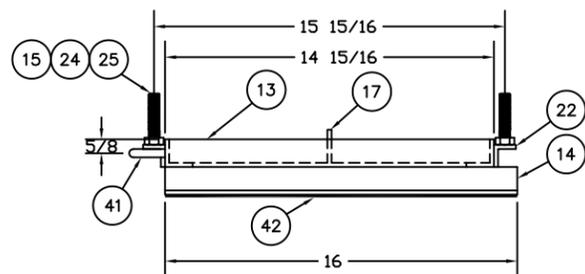
BATTERY RACK

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



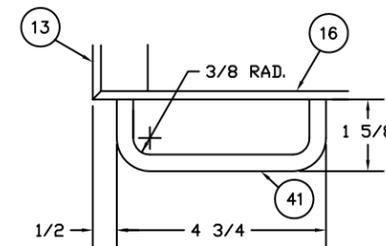
BATTERY RACK

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



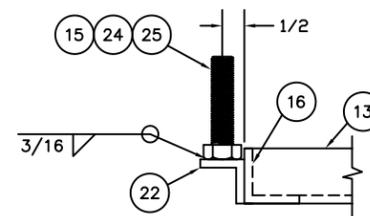
BATTERY RACK

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



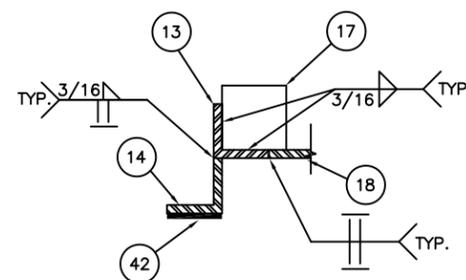
DETAIL G

(TOLERANCE: ±1/16)
SCALE: HALF



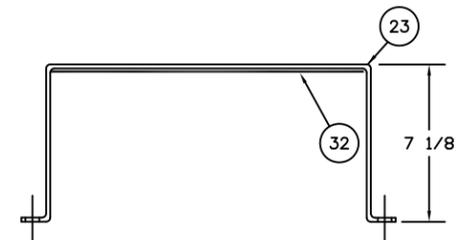
SECTION E-E

(TOLERANCE: ±1/16)
SCALE: HALF



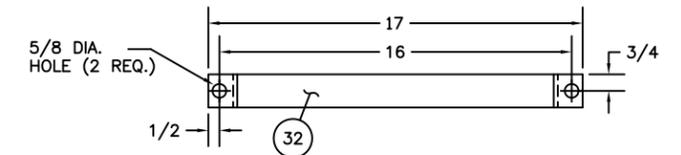
SECTION F-F

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
M	5-18-10	WD	MODIFIED LOCATION OF ITEMS 30 & 31.	S.M.
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	
CHECKED:			DOUBLE BATTERY	
REVIEWED BY:			BOX	
S. McEvoy				
PROJECT ENGINEER				
REVIEWED BY:				
S. D. Walker				
G-ECV-3B				
REVIEWED BY:			APPROVED:	DATE
			D. H. DeBok	2/6/87
			CHIEF, OCEAN ENGINEERING BRANCH	
UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS ARE IN INCHES. TOLERANCES: DIM. ±1/8 (OR AS ANG. ±1° SPECIFIED)			DRAWING NUMBER	REV.
			121100	M
			SCALE: AS NOTED	SHEET 3 OF 3