

ITEM NO. REQ.	DESCRIPTION	MATL.	REMARKS
1	BUOY BODY	FOAM	4 PGF SEE NOTES 1 & 2
2	SOLAR PANEL FRAME	ALUM.	SEE NOTE 3
3	155mm LANTERN	PLASTIC	SEE NOTE 3
4	RADAR REFLECTOR	ALUM.	SEE NOTE 5
5	HEX HEAD BOLT	STAIN. STEEL	3/4-10 UNC-2A x 2-1/4 LG.
6	NYLOCK NUT	STAIN. STEEL	3/4-10 UNC-2B
7	WASHER	NYLON	.812 x 1-3/4 O.D.
8	R/R SUPPORT DISK	STEEL	11-1/4 DIA. x 1/4 THK.
9	R/R GASKET	RUBBER	11-1/4 DIA. x 1/16 THK.
10	R/R SUPPORT PLATE	STEEL	3/8 THK.
11	R/R TOWER ANGLE	STEEL	2 x 2 x 1/4 L
12	BATTERY BOX	STEEL	SEE DRAWING 121100
13	BATT. BOX SUPPORT FLANGE	STEEL	12 DIA. x 1/2 THK.
14	BATT. BOX SUPPORT PIPE	STEEL	6 SCH. 40 PIPE
15	CENTER PLATE	STEEL	3/8 THK.
16	LIFT EYE	STEEL	8x4x3/4 L
17	THREADED RODS	STAIN. STEEL	1-8 UNC-2A x 28-1/2 LG.
18	HEAVY HEX HEAD NUT	STAIN. STEEL	1-8 UNC-2B
19	ANGLE FRAME	STEEL	3-1/2 x 3-1/2 x 1/4 L
20	MOORING PIPE	STEEL	6 SCH. 40 PIPE x 37 LG.
21	GUSSETS	STEEL	6 x 6 x 1/4 THK.
22	MOORING EYE	STEEL	1-1/2 THK. PLATE
23	SUPPORT LEGS	STEEL	3-1/2 x 3-1/2 x 1/4 L
24	BALLAST STAND	STEEL	6-3/4 LG. SOLID STL
25			3-1/2 x 3-1/2 SOLID STEEL
26	BALLAST SUPPORT PLATES	STEEL	8 x 8-5/8 x 1/2
27	HEAVY WASHERS	STAIN. STEEL	1 NOMINAL
28	WEAR PLATES	STAIN. STEEL	3x3x1/4 SEE NOTE 2
29	TUBE SEAL PLATES	STEEL	1/4 THK.
30	NYLOCK NUT	STAIN. STEEL	1-8 UNC-2B

NOTES:

- SEE LATEST REVISION OF U.S.C.G. CIVIL ENGINEERING SPECIFICATION NO. 450 FOR FABRICATION REQUIREMENTS. DIMENSIONAL TOLERANCES FOR ITEM 1 ARE ±1 FOR THE DIAMETER AND ±1/4 FOR THE HEIGHT.
- DO NOT WELD PART 28 TO PARTS 17 OR 19
- ITEMS 2 AND 3 WILL BE PROVIDED BY THE COAST GUARD.
- TACK WELD ITEM 18 TO ITEM 17.
- FOR ITEM 4 USE U.S.C.G. CIVIL ENGINEERING DRAWING 120316 FOR THE LFR AND DRAWING 121024 FOR THE LCFR.

REV.	DATE	APPR.	DESCRIPTION	BY
E	5-15-07	SW	CHANGED ITEM 1 FROM 3PCF TO 4 PCF.	S.M.
D	1-5-99	SW	MOD QTY OF ITEM 18. ADDED ITEM 30. DEL. ITEM 25 AND NOTES 4 & 5. REORGANIZED THE DWG.	S.M.
C	1-22-97	SW	ADDED PAGE 3. MODIFIED ITEMS 8, 13, 16, 17, 22, & 24.	C.B.
B	9-11-95	SM	MODIFIED ITEMS 6, 16, 17, 18, 19, 22, 23, 24, AND NOTE 2. D.B. ADDED ITEMS 26, 27, 28, 29.	D.B.
A	3-17-83	WD	MODIFIED ITEMS 10, 11, 12, 14, 19, 23, 24, AND NOTES 1, 2, & 4. ADDED NOTE 7. DELETED ITEM 26.	S.M.

DESIGNED: S.M.	U.S. COAST GUARD	HEADQUARTERS
DRAWN: S.M.	CIVIL ENGINEERING	
TRACED:		
CHECKED: S.M.		
REVIEWED BY:		
PROJECT ENGINEER: Sean McEvoy	1991 TYPE	
REVIEWED BY:	5x9 LNFR/LCFR	
DESIGNED BY: Stan Walker	BUOY	
REVIEWED BY:		

APPROVED:	DATE: 8/14/91
R. J. Wells	
CHIEF OF OCEAN ENGINEERING BRANCH	
DRAWING NUMBER: 121148	REV: E
SCALE: AS NOTED	SHEET 1 OF 3

5x9 LFR ASSEMBLY

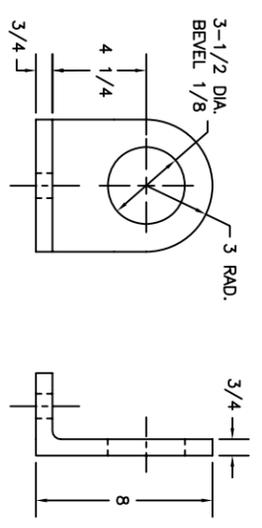
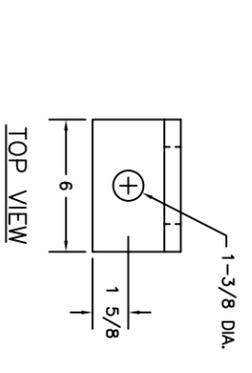
SCALE: 1-1/2" = 1'-0"

SECTION B-B

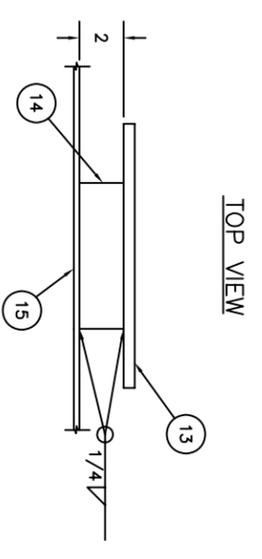
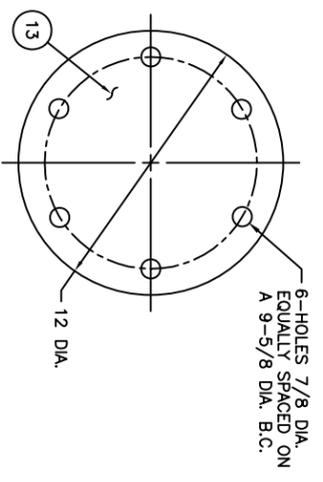
SCALE: 1-1/2" = 1'-0"

SECTION A-A

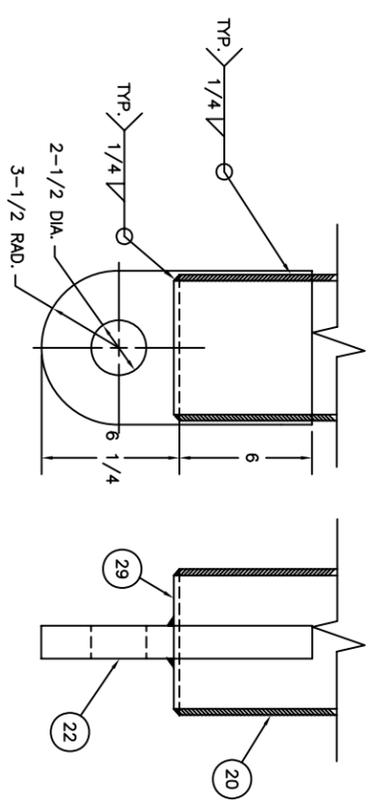
SCALE: 1-1/2" = 1'-0"
(FOR CLARITY: ITEM 12 IS NOT SHOWN)



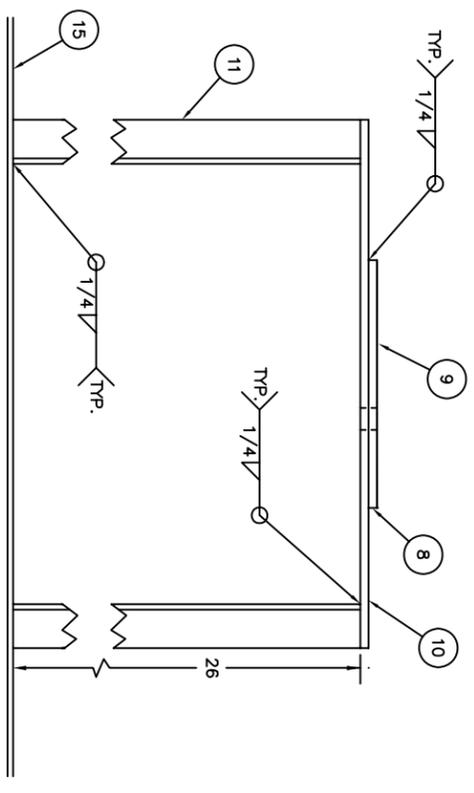
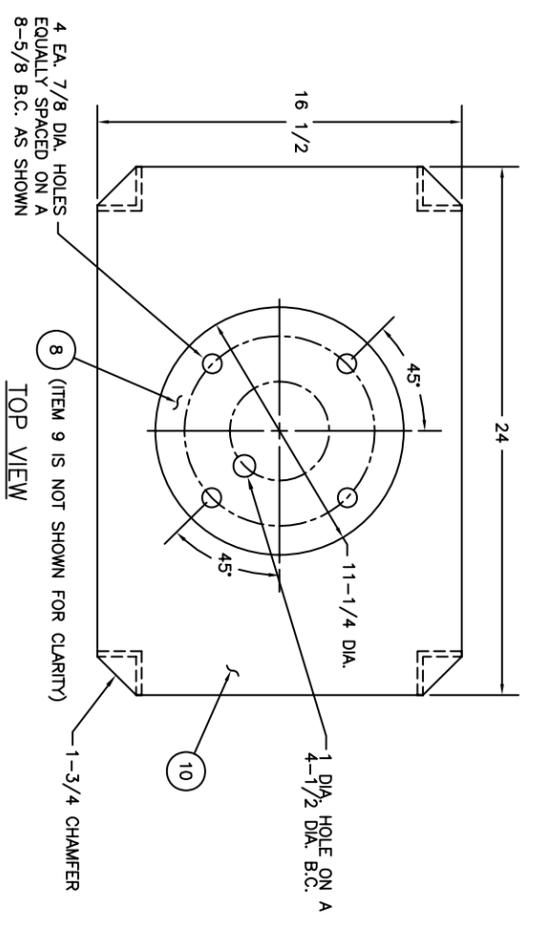
DETAIL A
SCALE: 3"=1'-0"



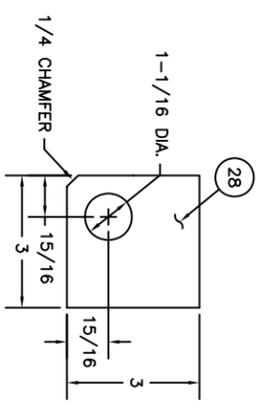
DETAIL B
SCALE: 3"=1'-0"



DETAIL C
SCALE: 3"=1'-0"



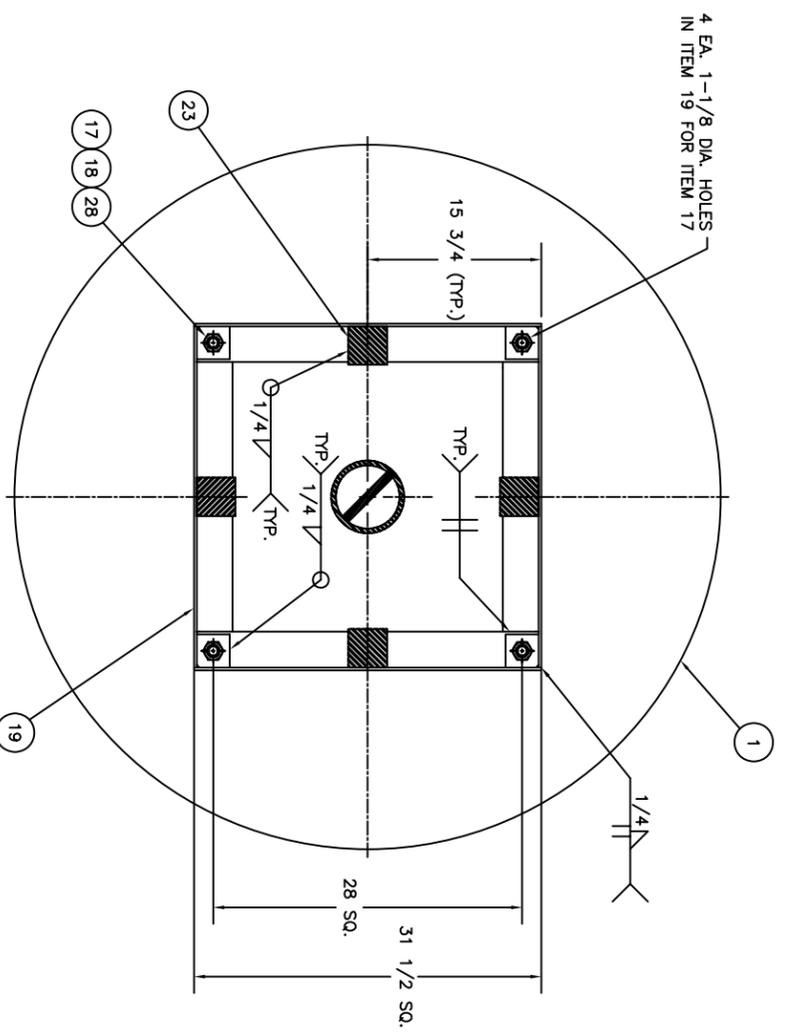
DETAIL D
SCALE: 3"=1'-0"



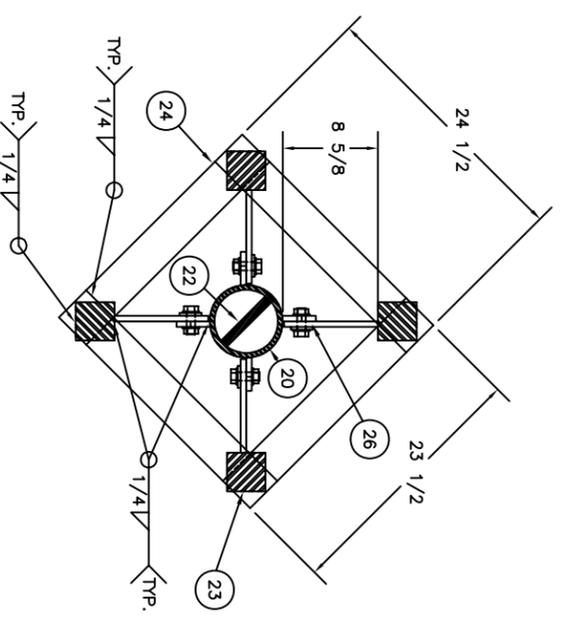
DETAIL E
SCALE: HALF

REV.	DATE	APPR.	DESCRIPTION	BY
E	5-15-07	SW	CHANGED ITEM 1 FROM 3POF TO 4 PCF.	S.M.
D	1-5-99	SW	MOD. QTY. OF ITEM 18. ADDED ITEM 30. DEL. ITEM 25 AND NOTES 4 & 5. REORGANIZED THE DWG.	S.M.
C	1-22-97	SW	ADDED PAGE 3. MODIFIED ITEMS 8, 13, 16, 17, 22, & 24. ADDED DETAIL F.	C.B.
B	9-11-95	SM	MODIFIED ITEMS 6, 16, 17, 18, 19, 22, 23, 24, AND NOTE 2. ADDED ITEMS 26, 27, 28, 29.	D.B.
A	3-17-93	WD	MODIFIED ITEMS 10, 11, 12, 14, 19, 23, 24, AND NOTES 1, 2, & 4. ADDED NOTE 7. DELETED ITEM 26.	S.M.

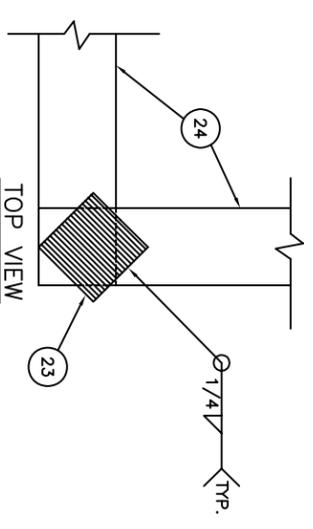
DESIGNED: S.M.	U.S. COAST GUARD	HEADQUARTERS
DRAWN: S.M.	CIVIL	ENGINEERING
CHECKED: S.M.	1991 TYPE	
REVIEWED BY:	5X9 LNFR/LCFR	
REVIEWED BY:	BUOY	
REVIEWED BY:	Sean McEvoy PROJECT ENGINEER	
REVIEWED BY:	Ston Walker C-107-28	
APPROVED:	R. J. Wells CHIEF OF OCEAN ENGINEERING BRANCH	DATE: 8/14/91
UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS ARE IN INCHES. TOLERANCES: DIM. ±1/8 ANG. ±1'		DRAWING NUMBER: 121148 REV: E
SCALE: AS NOTED		SHEET 2 OF 3



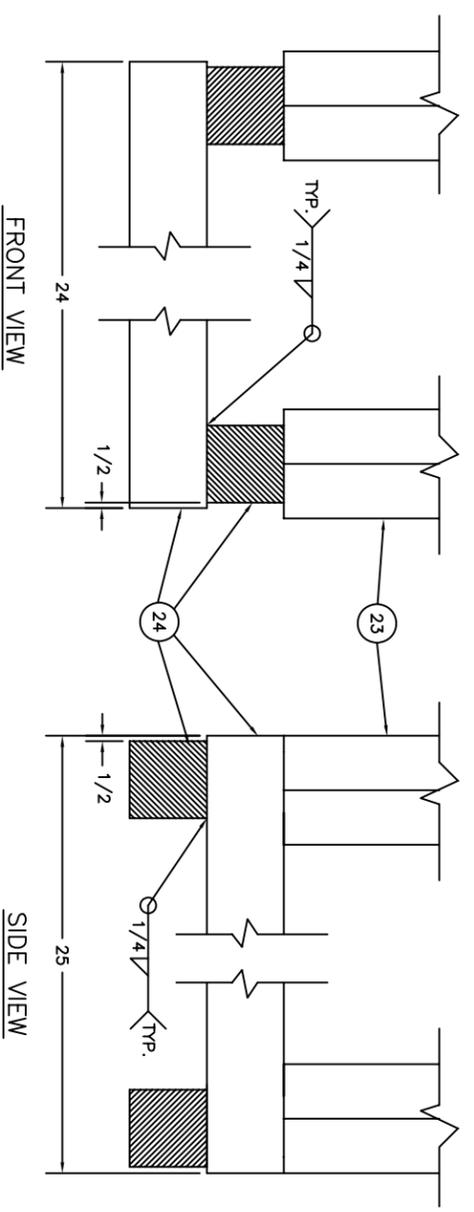
SECTION C-C
SCALE: 1-1/2"=1'-0"



SECTION D-D
SCALE: 1-1/2"=1'-0"



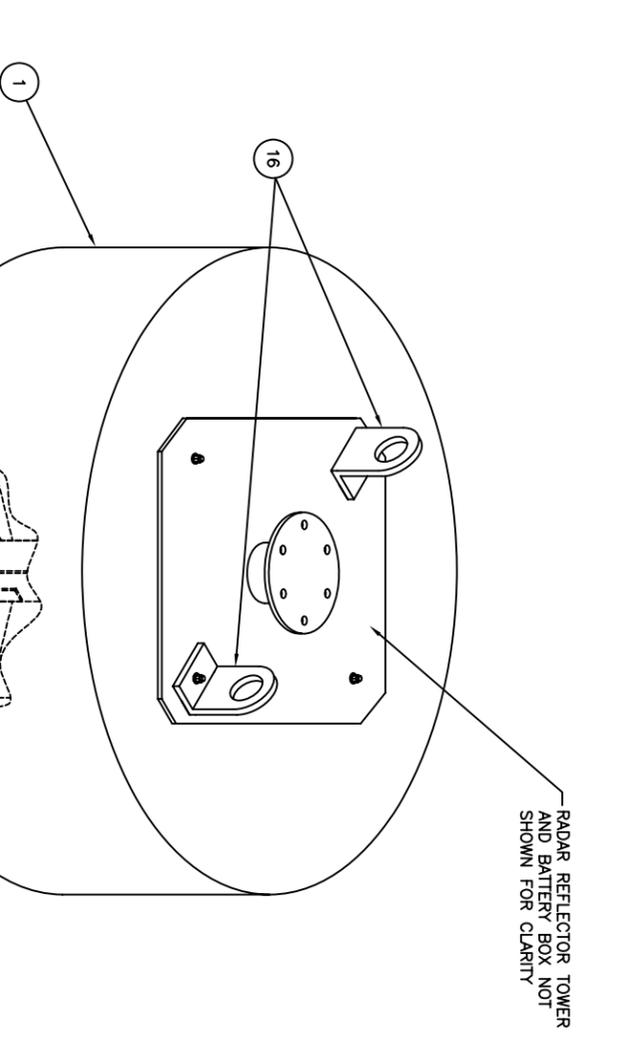
TOP VIEW



FRONT VIEW

SIDE VIEW

DETAIL G
SCALE: 3"=1'-0"



PORTION OF BUOY BODY CUT AWAY TO SHOW MOORING EYE ORIENTATION

DETAIL F

MOORING EYE ORIENTATION
ISOMETRIC VIEW NOT TO SCALE

REV.	DATE	APPR.	DESCRIPTION	BY
E	5-15-07	SW	CHANGED ITEM 1 FROM 3PCF TO 4 PCF.	S.M.
D	1-5-99	SW	MOD QTY OF ITEM 18. ADDED ITEM 30. DEL. ITEM 25 AND NOTES 4 & 5. REORGANIZED THE DWG.	S.M.
C	1-22-97	SW	ADDED PAGE 3. MODIFIED ITEMS 8, 13, 16, 17, 22, & 24. ADDED DETAIL F.	C.B.
B	9-11-95	SM	MODIFIED ITEMS 6, 16, 17, 18, 19, 22, 23, 24, AND NOTE 2. D.B. ADDED ITEMS 26, 27, 28, 29.	D.B.
A	3-17-93	WD	MODIFIED ITEMS 10, 11, 12, 14, 19, 23, 24, AND NOTES 1, 2, & 4. ADDED NOTE 7. DELETED ITEM 26.	S.M.

DESIGNED: S.M.	U.S. COAST GUARD	HEADQUARTERS
DRAWN: S.M.	CIVIL	ENGINEERING
CHECKED: S.M.	1991 TYPE	
REVIEWED BY:	5X9 LNFR/LCFR	
PROJECT ENGINEER:	BUOY	
DESIGNER:	Sign Walker	
DATE:	8/14/91	

UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS ARE IN INCHES. TOLERANCES: DIM. ±1/8 ANG. ±1°	CHIEF OF OCEAN ENGINEERING BRANCH R. J. Wells	DRAWING NUMBER 121148	REV. E
SCALE AS NOTED	DATE	SHEET 3 OF 3	