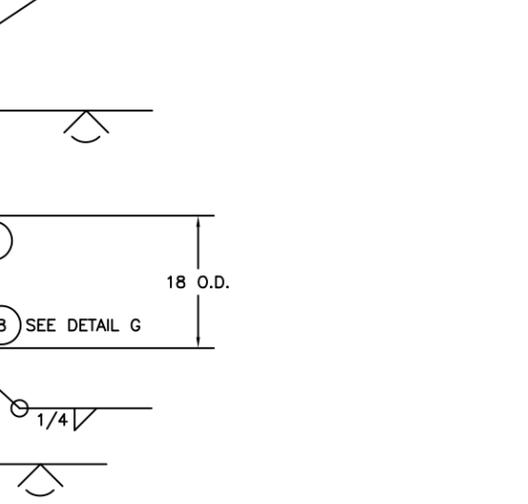
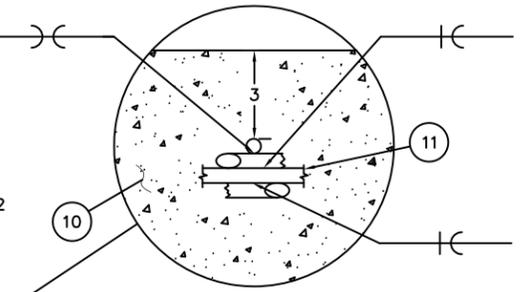
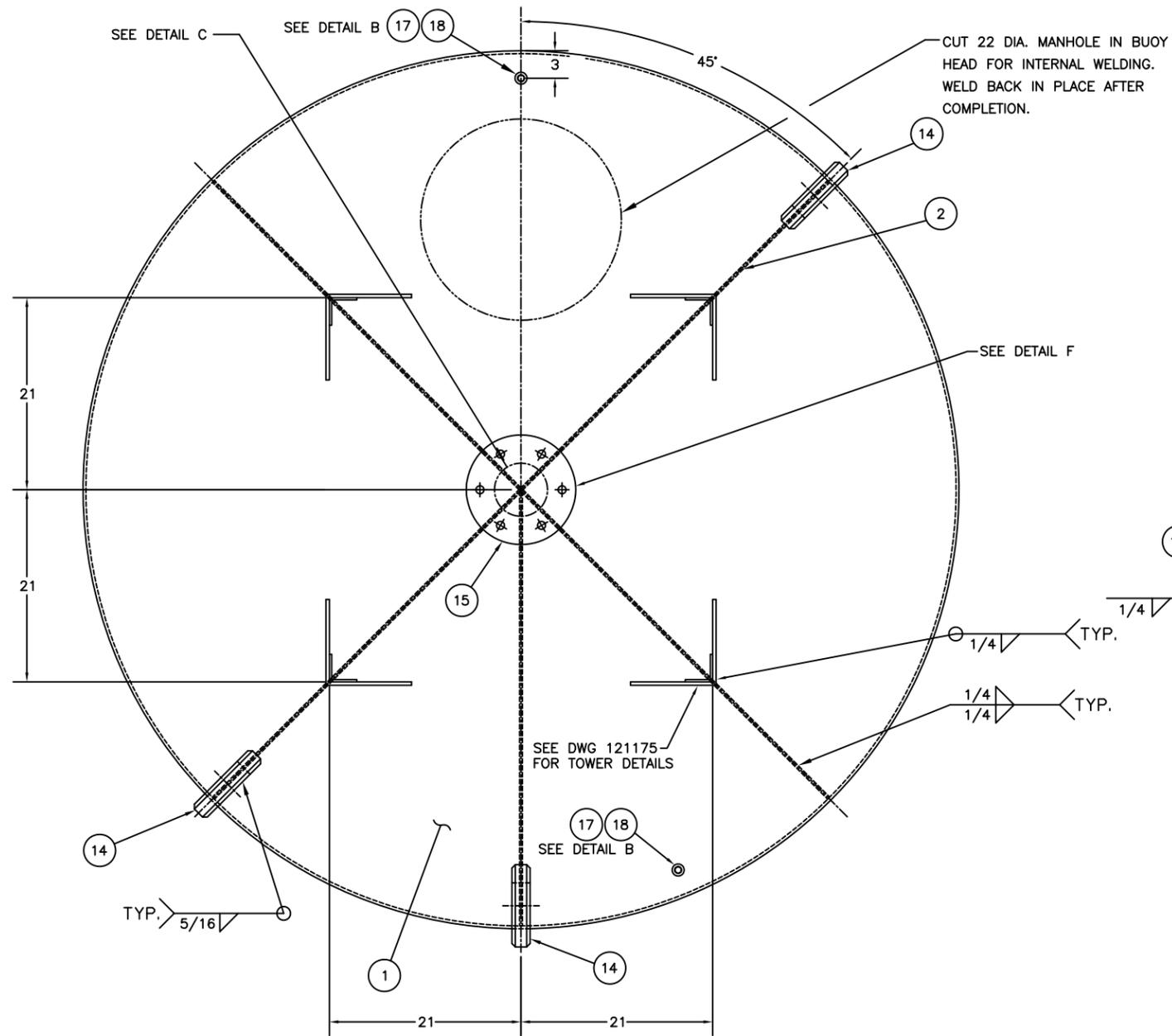


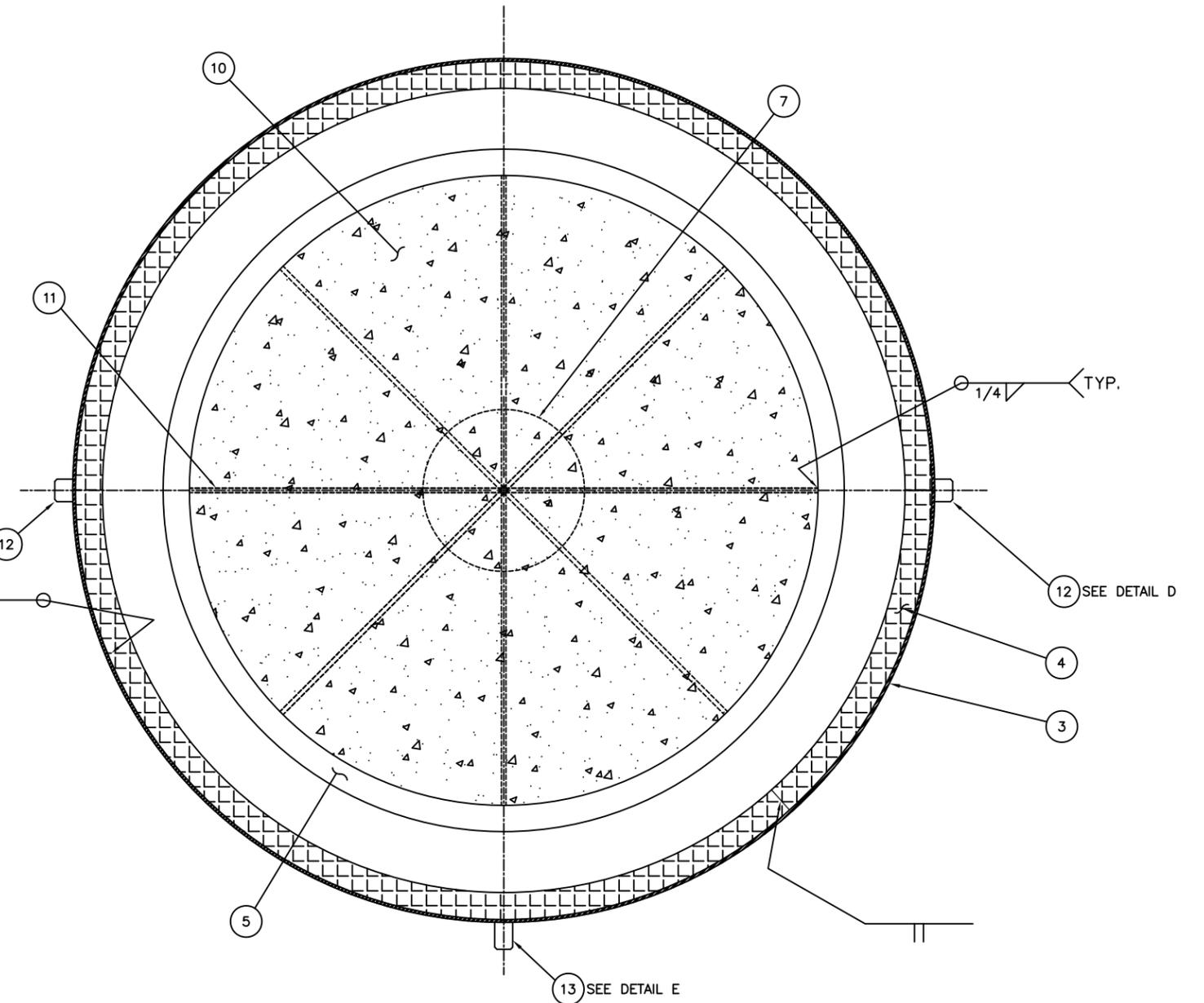
**8x21LR BUOY ASSEMBLY**  
SCALE: 1"=1'-0"



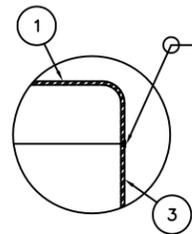
REV.	DATE	APPR.	DESCRIPTION	BY
DESIGNED:			U.S. COAST GUARD	HEADQUARTERS
DRAWN:	S.M.		CIVIL ENGINEERING	
TRACED:			2010 TYPE	
CHECKED:	S.M.		8x21LR BUOY	
REVIEWED BY:				
Sean McEvoy				
PROJECT ENGINEER				
REVIEWED BY:				
Wayne Danzik				
CG-432B				
REVIEWED BY:				
Stan Walker			Stan Walker /for	03/11/10
CG-432			CHIEF, CG-43	
UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS ARE IN INCHES. TOLERANCES: DIM. ±1/8 ANG. ±1°			DRAWING NUMBER	REV.
			121190	
PLOTING SCALE: 1"=1'-0"			SCALE: AS NOTED	SHEET 1 OF 4



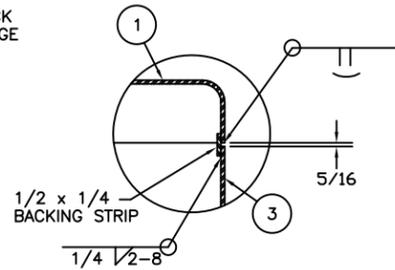
SECTION A-A  
SCALE: 1 1/2"=1'-0"



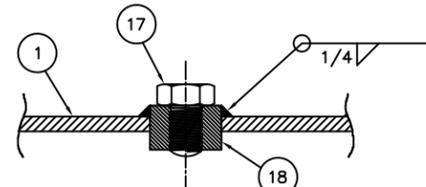
SECTION B-B  
SCALE: 1 1/2"=1'-0"



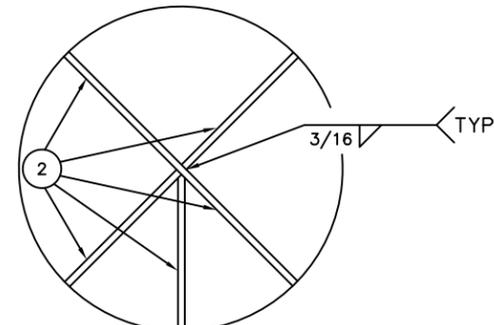
DETAIL A  
SCALE: NONE



DETAIL A  
SCALE: NONE  
OPTIONAL

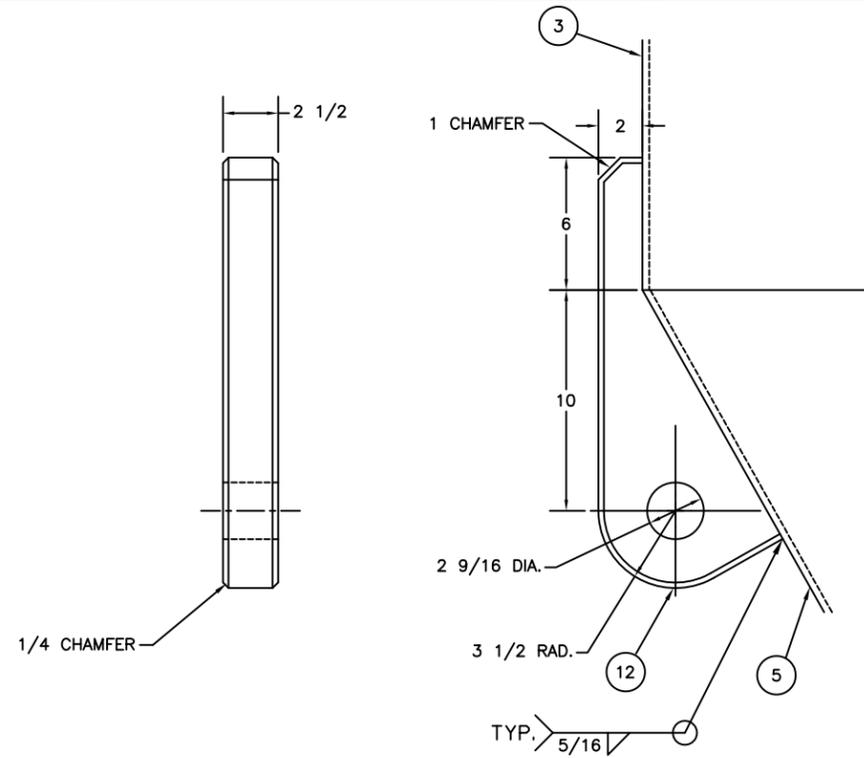


DETAIL B  
SCALE: NONE

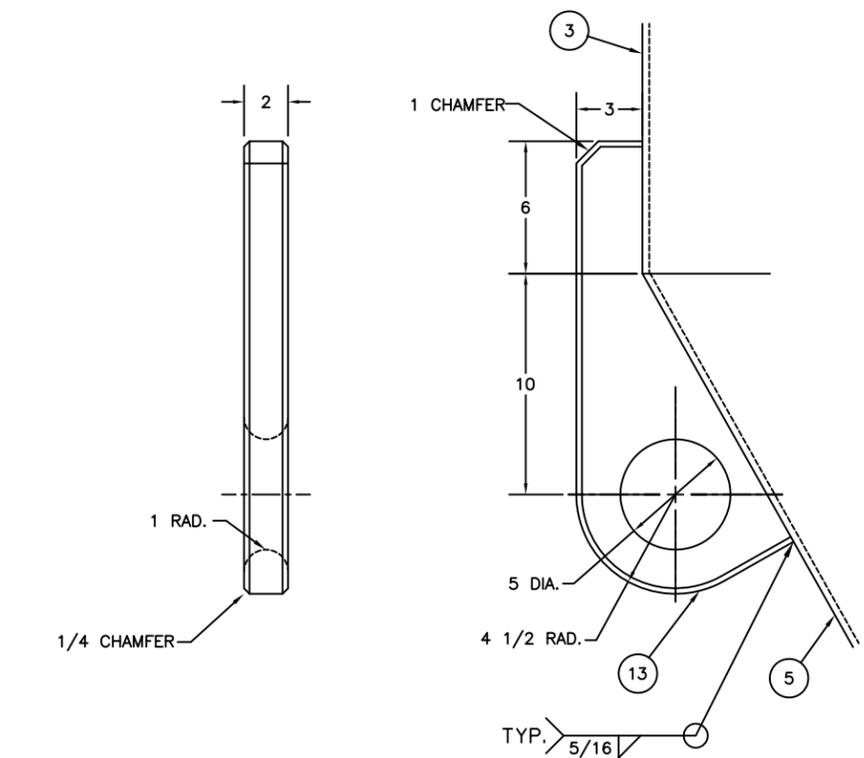


DETAIL C  
SCALE: NONE

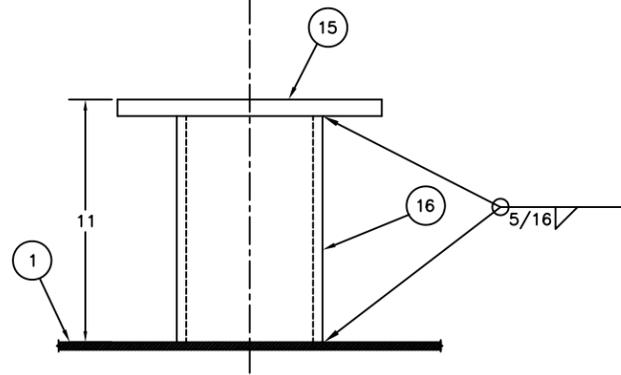
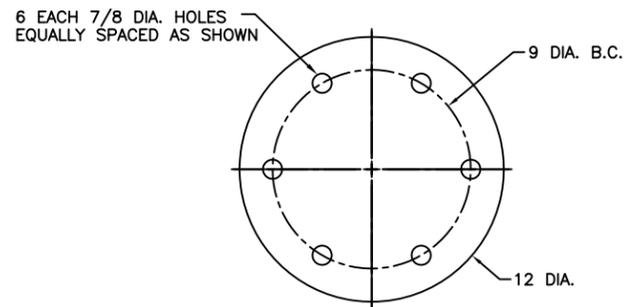
REV.	DATE	APPR.	DESCRIPTION	BY
DESIGNED:			U.S. COAST GUARD	HEADQUARTERS
DRAWN:	S.M.		CIVIL ENGINEERING	
TRACED:			2010 TYPE	
CHECKED:	S.M.		8x21LR BUOY	
REVIEWED BY:				
Sean McEvoy				
PROJECT ENGINEER				
REVIEWED BY:				
Wayne Danzik				
CG-432B				
REVIEWED BY:				
Stan Walker				
CG-432				
APPROVED:			Stan Walker /for	DATE
			CHIEF, CG-43	03/11/10
UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS ARE IN INCHES. TOLERANCES: DIM. ±1/8 ANG. ±1°			DRAWING NUMBER	REV.
			121190	
SCALE: AS NOTED			SHEET 2	OF 4



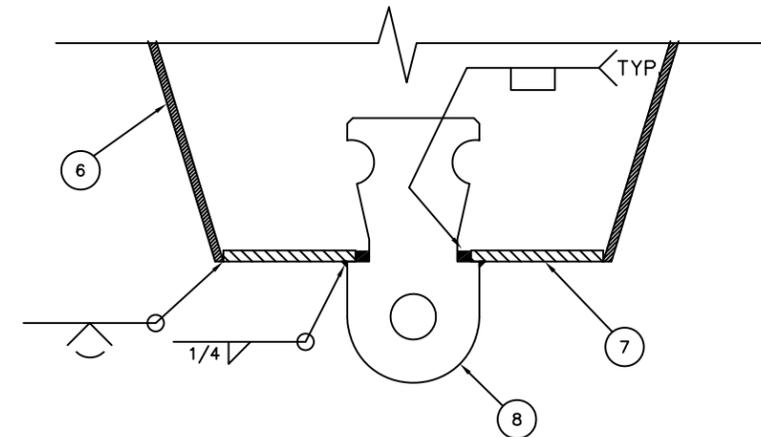
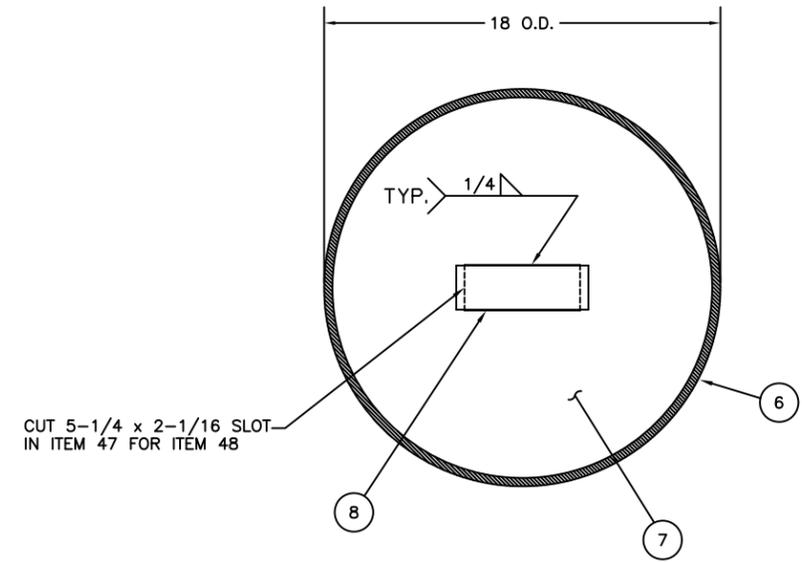
**DETAIL D**  
SCALE: 3"=1'-0"



**DETAIL E**  
SCALE: 3"=1'-0"



**DETAIL F**  
SCALE: 3"=1'-0"



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

REV.	DATE	APPR.	DESCRIPTION	BY
DESIGNED:			U.S. COAST GUARD	HEADQUARTERS
DRAWN:	S.M.		CIVIL ENGINEERING	
TRACED:			2010 TYPE	
CHECKED:	S.M.		8x21LR BUOY	
REVIEWED BY:				
Sean McEvoy				
PROJECT ENGINEER				
REVIEWED BY:				
Wayne Danzik				
CG-432B				
REVIEWED BY:				
Stan Walker			Stan Walker /for	DATE
CG-432			CHIEF, CG-43	03/11/10
UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS ARE IN INCHES. TOLERANCES: DIM. ±1/8 ANG. ±1°			DRAWING NUMBER	REV.
			121190	
SCALE: AS NOTED			SHEET 3	OF 4

BILL OF MATERIALS

ITEM NO.	NO. REQ.	DESCRIPTION	MATL.	REMARKS
1	1	TOP HEAD	STEEL	96 DIA. x 5/16 THK.
2	5	TOP HEAD STIFFNER	STEEL	12 x 5/16 THK.
3	1	WRAPPER	STEEL	96 DIA. x 5/16 THK.
4	1	WRAPPER STIFFNER	STEEL	3 x 3 x 1/4 L
5	1	CONICAL BODY BAND (TOP)	STEEL	3/8 THK.
6	1	CONICAL BODY BAND (BOTTOM)	STEEL	3/8 THK.
7	1	BOTTOM PLATE	STEEL	17 1/4 DIA. x 1/2 THK.
8	1	BOTTOM MOORING EYE	STEEL	SEE DRAWING 121153
9	1	CAST IRON COUNTERWEIGHT	CAST IRON	2980 # SEE NOTE 2
10	1	CONCRETE COUNTERWEIGHT	CONCRETE	4050 # SEE NOTE 2
11	4	REBAR	STEEL	1/2 DIA. ASTM 706 GRADE 60
12	2	MOORING EYE	STEEL	2 1/2 THK. PLATE
13	1	BOTTOM HEAD LIFT EYE	STEEL	2 THK. PLATE
14	3	TOP HEAD LIFT EYE	STEEL	SEE DRAWING 121140
15	1	BELL STAND PLATE	STEEL	12 DIA. x 3/4 THK.
16	1	BELL STAND	STEEL	6 SCH. 80 PIPE
17	2	HALF COUPLING	STAIN. STEEL	3/4 NPT
18	2	PIPE PLUG	STAIN. STEEL	3/4 NPT
19	1	CONICAL STIFFNER	STEEL	3 x 3 x 1/4 L

NOTES:

- SEE LATEST REVISION OF U.S.C.G. CIVIL ENGINEERING SPECIFICATION No. 464 FOR FABRICATION REQUIREMENTS.
- DIMENSIONS FOR ITEMS 9 & 10 ARE FOR REFERENCE PURPOSES ONLY. THE TOATAL WEIGHT OF ITEMS 5 THRU 11 SHALL BE 8,545 LBS (+5% OR -1%).
- ITEM 10 SHALL HAVE A 4" SLUMP WITH A SMOOTH SURFACE AND NO CAVITIES.

REV.	DATE	APPR.	DESCRIPTION	BY
DESIGNED:			U.S. COAST GUARD	HEADQUARTERS
DRAWN: S.M.			CIVIL ENGINEERING	
TRACED:			2010 TYPE	
CHECKED: S.M.			8x21LR BUOY	
REVIEWED BY:				
Sean McEvoy PROJECT ENGINEER				
Wayne Danzik CG-432B				
REVIEWED BY:		APPROVED:		DATE
Stan Walker CG-432		Stan Walker /for		03/11/10
UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS ARE IN INCHES. TOLERANCES: DIM. ±1/8 ANG. ±1°			DRAWING NUMBER	REV.
			121190	
SCALE: AS NOTED			SHEET 4	OF 4