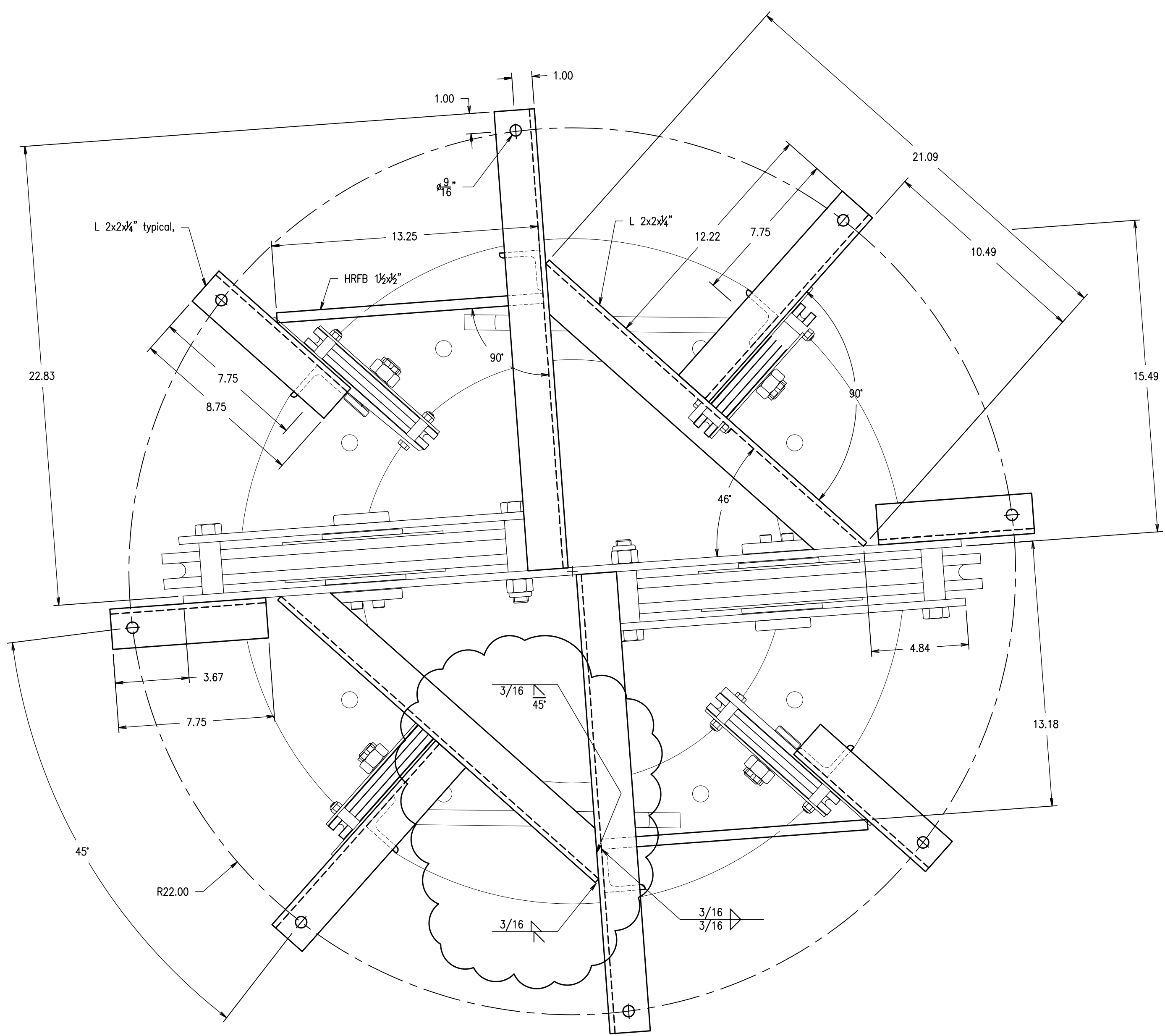
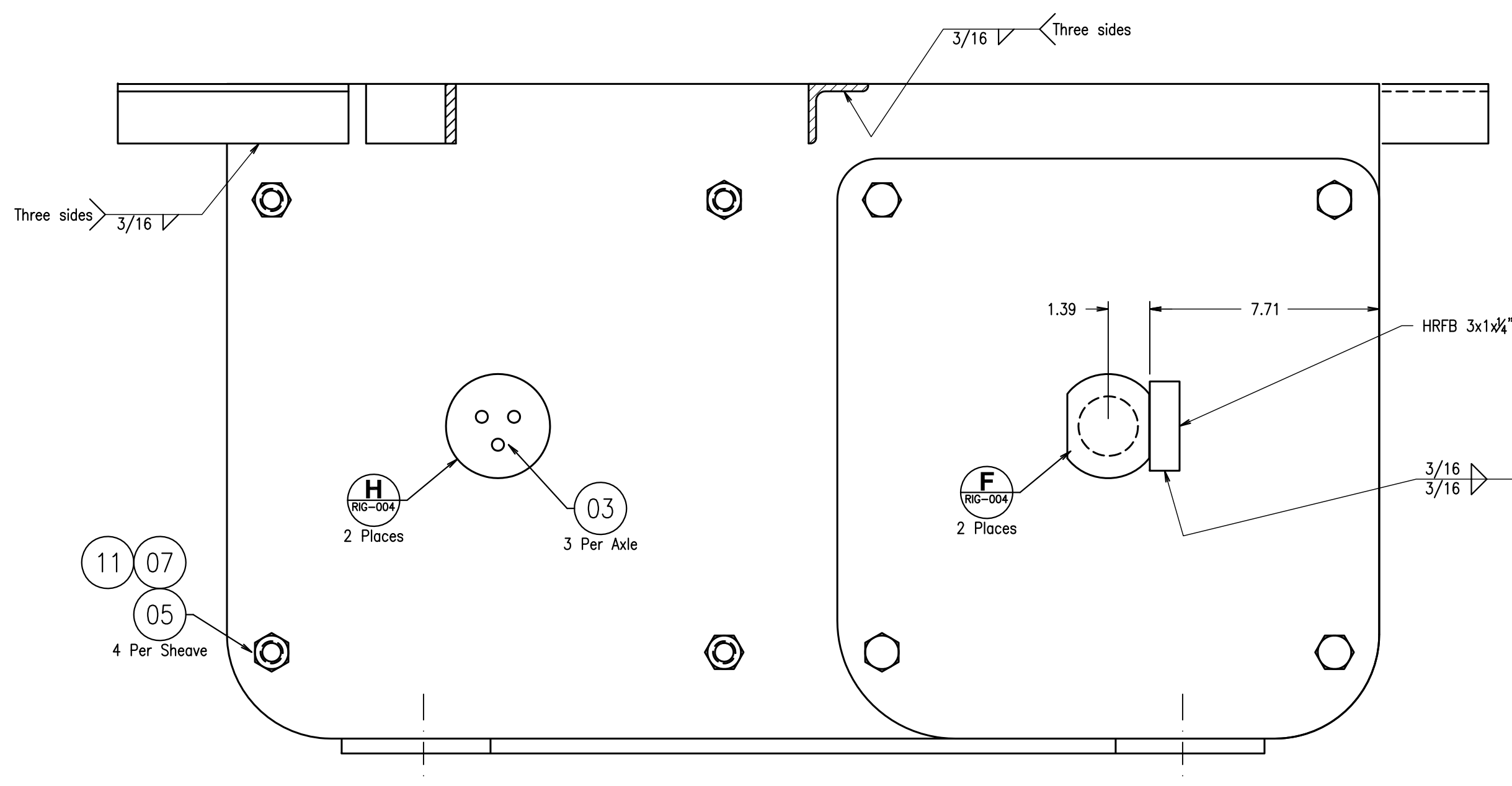


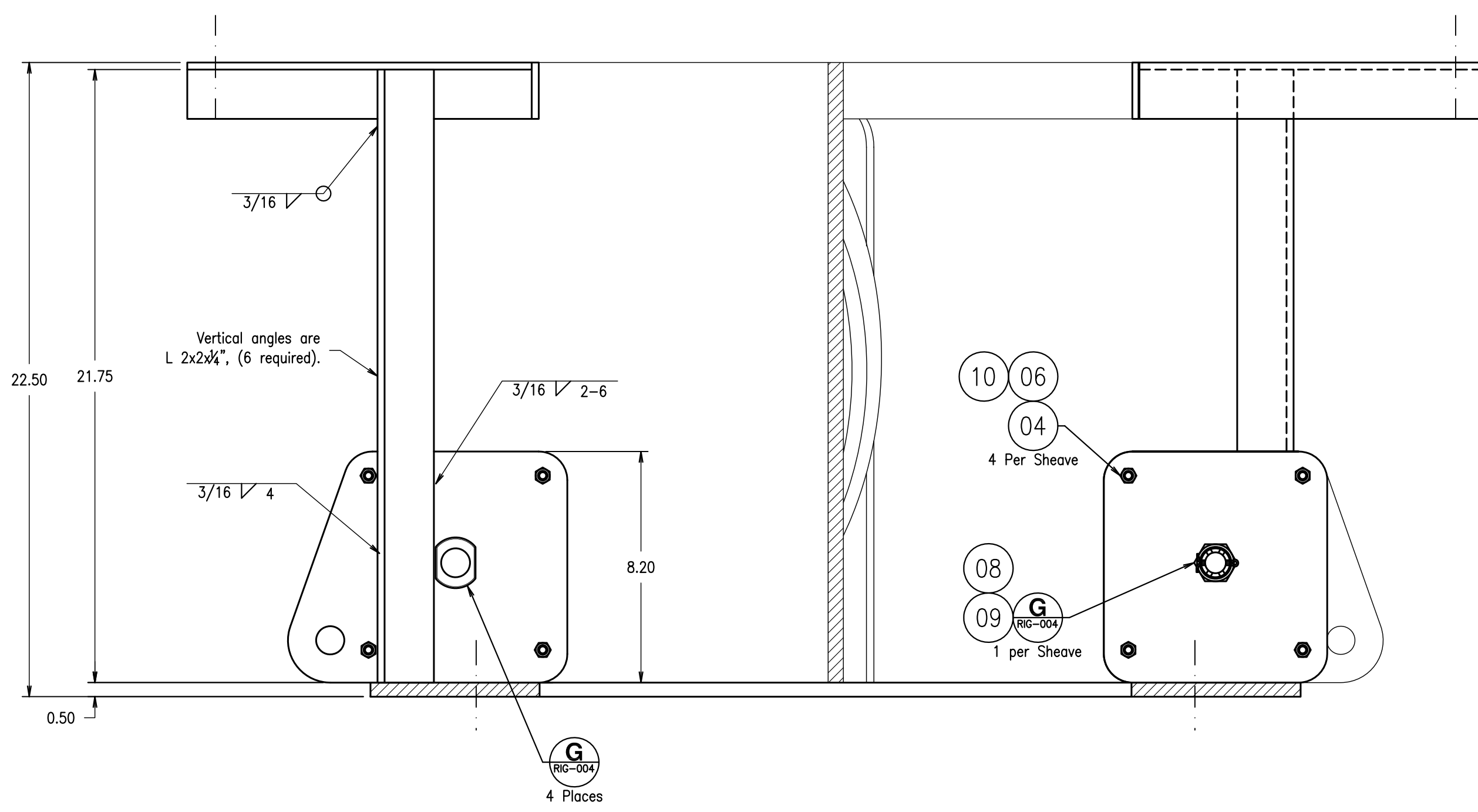
**A** Cheek Plate Location Plan  
SCALE: 3"=1'-0"



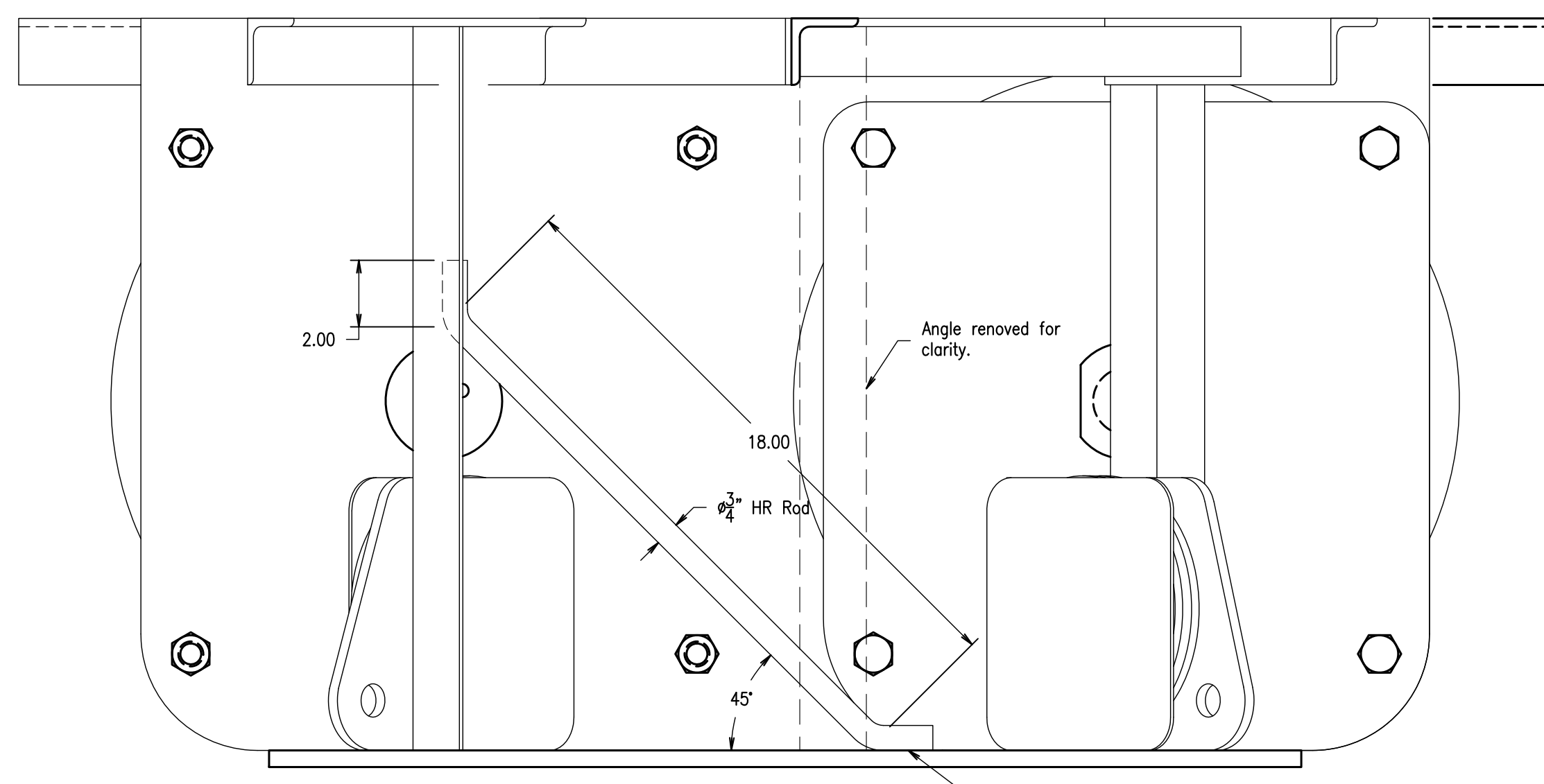
**B** Cap Bolt Tabs Plan  
SCALE: 3"=1'-0"



**C** Lifting Sheaves Section  
SCALE: 3"=1'-0"



**D** Maintenance Sheaves Section  
SCALE: 3"=1'-0"



**E** Assembly Elevation  
SCALE: 3"=1'-0"

**Notes**  
- Steel plate, angle and bar stock shall be ASTM A36.  
- All welding shall comply with AWS D1.1/D1.1M:2006 Structural Welding Code - Steel. Use use E70xx or E70-1 series electrodes, low hydrogen.  
- Completed weldment shall be galvanized by hot dipping.

**WEIGHT SUMMARY**

Item	Total Weight (lbs)	Weight Distribution			Description
		Top of Pole	Along Pole	Bottom of Pole	
Head Block	475	475			Weldment and sheaves
Lifting Lines	645		645		62 3/4" Cable 2 @ 310 ft.
Service Lines	302		202	101	5/16" Cable 4 @ 420 ft.
Messenger Lines	67		67		1/4" Cable 2 @ 280 ft.
<b>Total Weight if 3/4 cables are removed during lift:</b>					
	1422	475	784	163	
<b>Total Weight if 3/4 cables are removed with messengers:</b>					
	845	475	269	101	
<b>Total Weight if all cables are removed with messengers:</b>					
	677	475	202	0	

**PARTS LIST**

Item No.	Total Req.	Manufacturer Vendor	Part Number	Description
01	2	Bear Equipment	S20DMCN	Outside Diameter 20" Hub Diameter 8"
				Groove Diameter 17-3/4" Finished Bore 2-1/2"
				Rim Width 1-3/4" Shaft Size 2"
				Hub Width 2" Material Steel
				3/4" Wire Rope
02	4	Bear Equipment	N8DIND	Outside Diameter 8" Hub Diameter NA
				Groove Diameter 7" Finished Bore 1-1/4"
				Rim Width 1" Shaft Size 1"
				Hub Width 1" Material by Astron GSM
03	6	McMaster Carr	93705A824	1"x1-1/4"x1" self lubricating bronze bushing installed.
04	16	McMaster Carr	92186A352	Self-Locking 18-8 SS SHCS 3/8"-16 Thread, 1" Length
05	8	McMaster Carr	92186A853	Type 316 Stainless Steel HHCS 3/4"-10 Thread, 4-1/2" Length
06	16	McMaster Carr	90715A135	Type 316 SS Hex Nylon-Insert Locknut 5/16"-18 Screw Size
07	8	McMaster Carr	90715A036	Type 316 SS Hex Nylon-Insert Locknut 3/4"-10 Screw Size
08	4	McMaster Carr	91853A037	18-8 Stainless Steel Slotted Castle Nut 7/8"-9 Screw Size
09	4	McMaster Carr	98355A170	316 Stainless Steel Cotter Pin 1/8" Diameter, 2" Length
10	16			304/304L SS, 1/4" Sch 40 Welded Pipe, .540" OD, 1.06" Long
11	8			304/304L SS, 3/4" Sch 40 Welded Pipe, 1.05" OD, 2.56" Long
12	10			A325 HH Bolts 3/4x2", Galvanized with Nuts
13	8			A325 HH Bolts 1/2x1-1/2", Galvanized with Nuts

**PROPRIETARY INFORMATION**  
Information provided in these drawings is proprietary to HUDSON SCENIC STUDIO, INC. These drawings are provided to the subcontractor for use in conjunction with the present production and for no other purpose. The subcontractor agrees that it shall not utilize, duplicate, simulate or copy the construction of the equipment described without obtaining the prior written consent of HUDSON SCENIC STUDIO, INC.



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Weight modification in view 07 corrected.  
Height of assembly in view 07 corrected.  
Addition cap support framing - Choice of CD X 1/4" must bearings added. Bronze Z 1/4" CD X 1/4" ZS sheave changed to steel - (C. West mod).  
6/18/08  
6/19/08  
6/19/08  
6/19/08  
6/19/08  
Revision Dates: Revision Notes:

Job # **2743** Unit # **0200**

**2008 Times Square Ball**  
Head Block  
Assembly and Weldment  
Complete File Path:  
M:\2008 Times Square Ball - 2743\2008-figging Design And Fabrication\2743-02000-06-Head Block.dwg

Issue Date: 05/13/08

Drawing Series Number:  
**020000**  
Design Ref. Sheet Number:  
**RIG-003**

Scale: 3"=1'-0"  
Drawn by:  
R. Dardwell