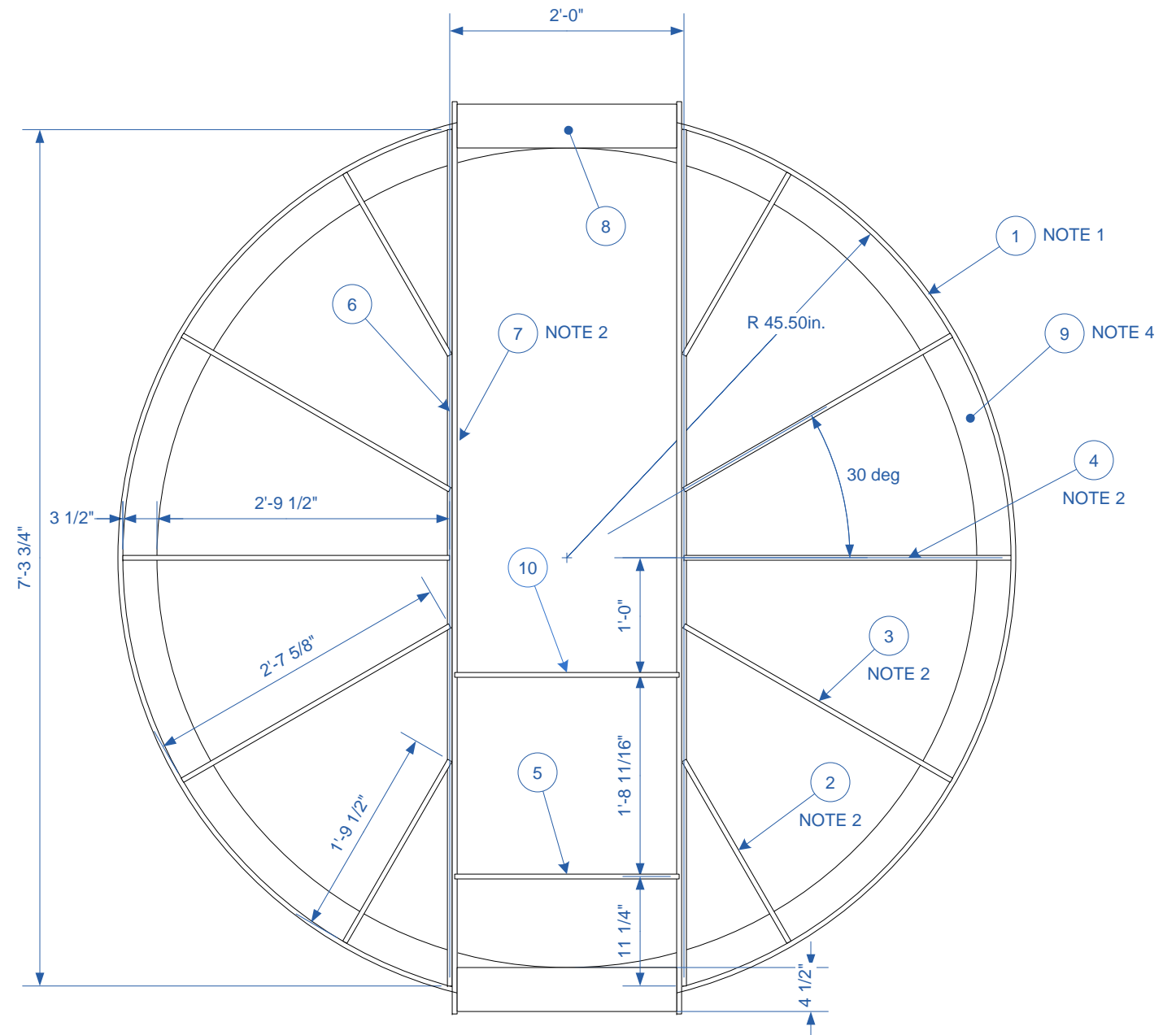


Side View

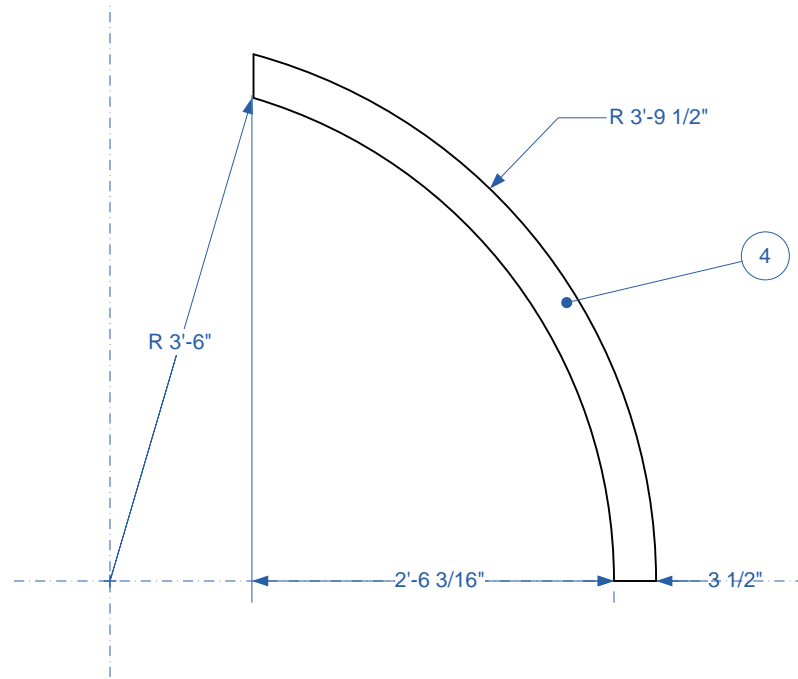


Plan View

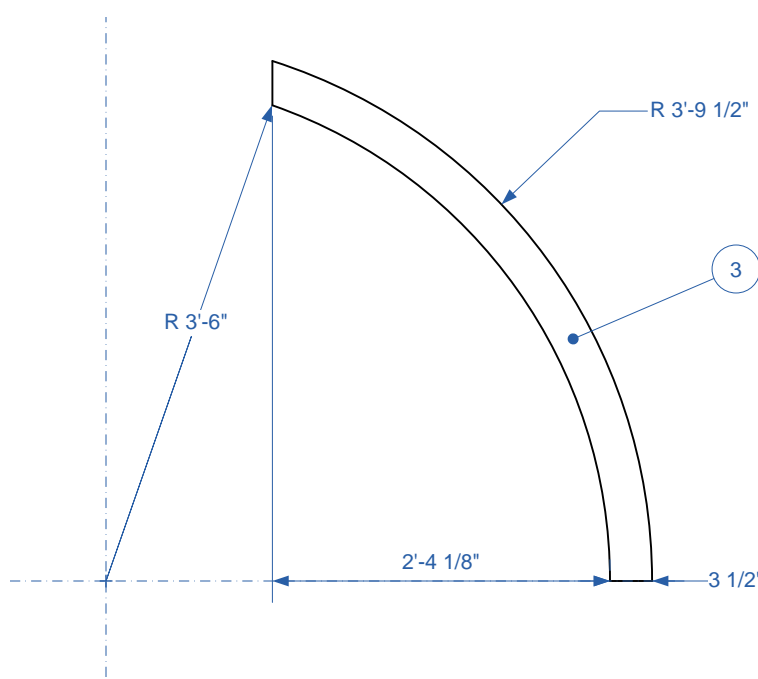
ITEM	QTY.	DESCRIPTION
1	1	Skirt
2	4	30-degree rib
3	4	60-degree rib
4	2	90-degree rib
5	1	Lower slit brace
6	2	Outer main rib
7	2	Inner main rib
8	2	Slit platform
9	1	Ring base
10	1	Upper slit brace
11	2	Upper shutter roller guide
12	4	Shutter sides
13	1	Upper shutter covering
14	1	Lower shutter covering
15	1	Rear slit covering

NOTES:
1. Skirt is to be field cut to length based on roller size
2. For Rib details see sheet 2
3. For Shutter details see sheet 4
4. For Ring base details see sheet 5
5. For Observatory base details see sheet 3

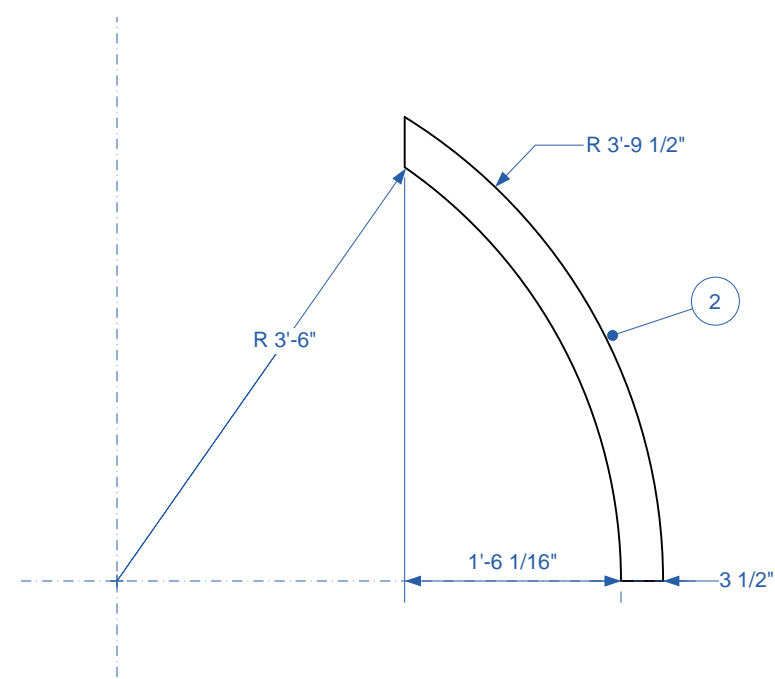
TITLE			
MARK I OBSERVATORY DOME			
Dome Framework			
DRAWN BY			
CHARLES W. BAETSEN			
SIZE	DWG NO		REV
D	OBS-01		1a
SCALE	1 : 16	SHEET	1 OF 6



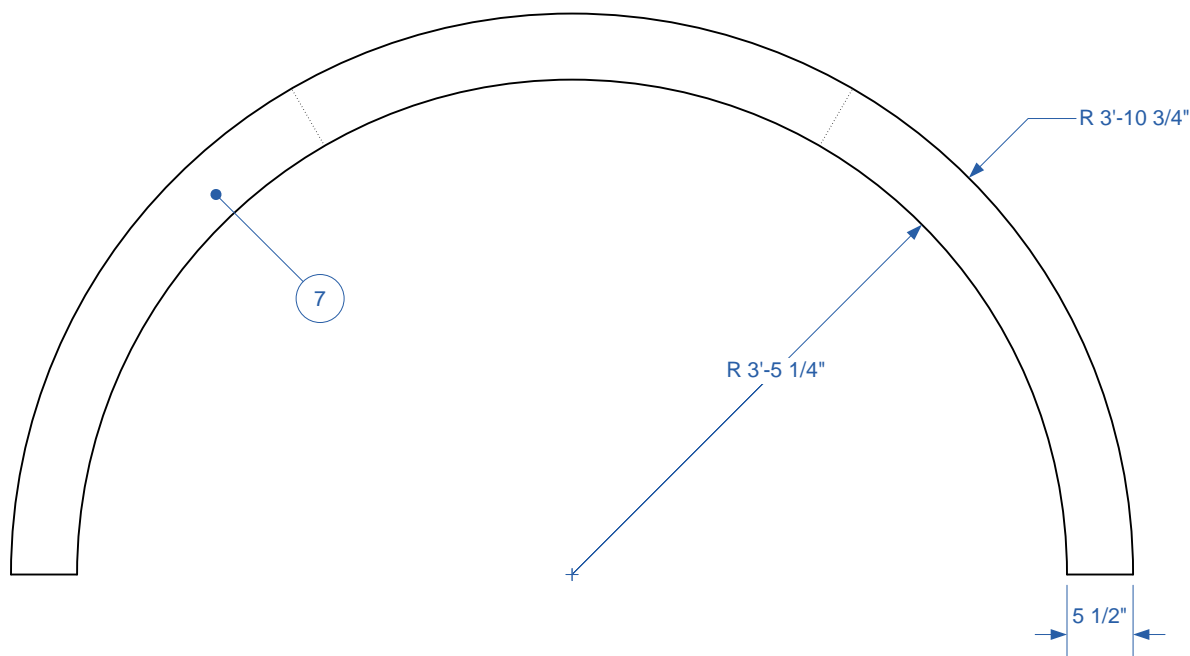
90-deg Rib



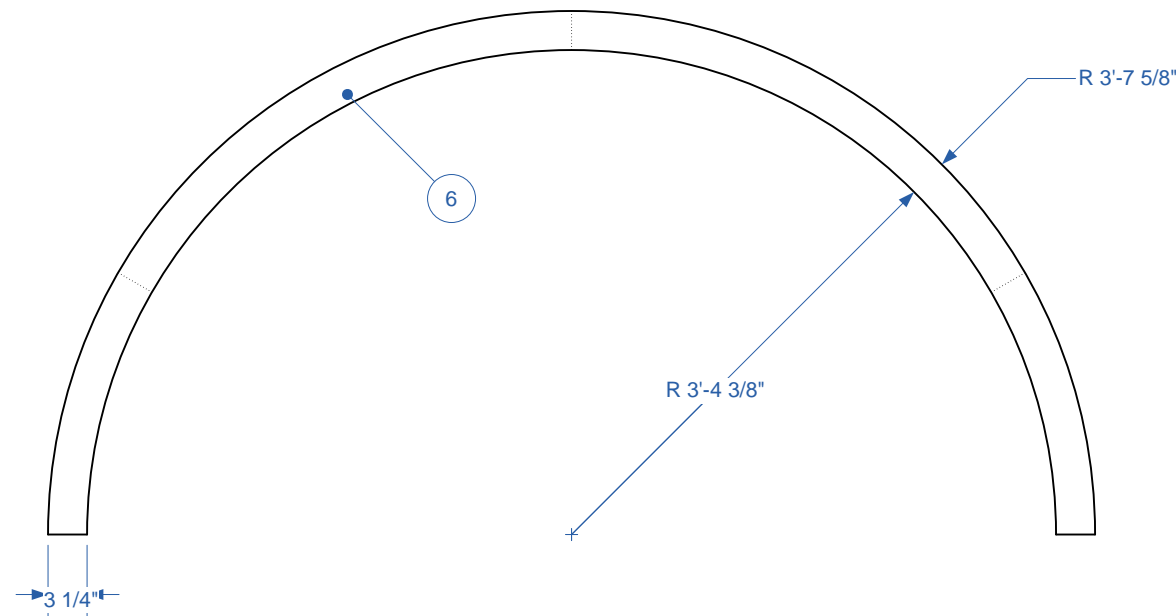
60-deg Rib



30-deg Rib



Main Rib (Inner)

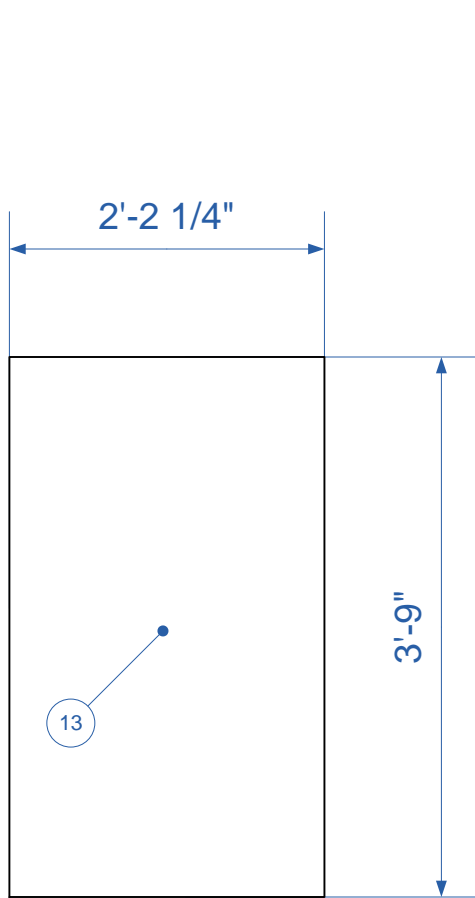


Main Rib (Outer)

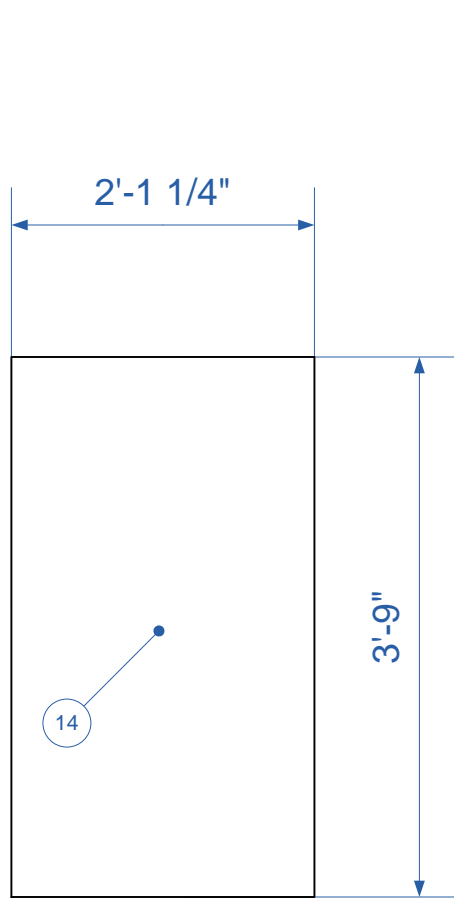
NOTES:

1. For BOM see drawing OBS-01, sheet 1
2. All ribs are made of two layers of ½-inch plywood
3. Screw and Glue plywood layers. Don't skimp on gluing

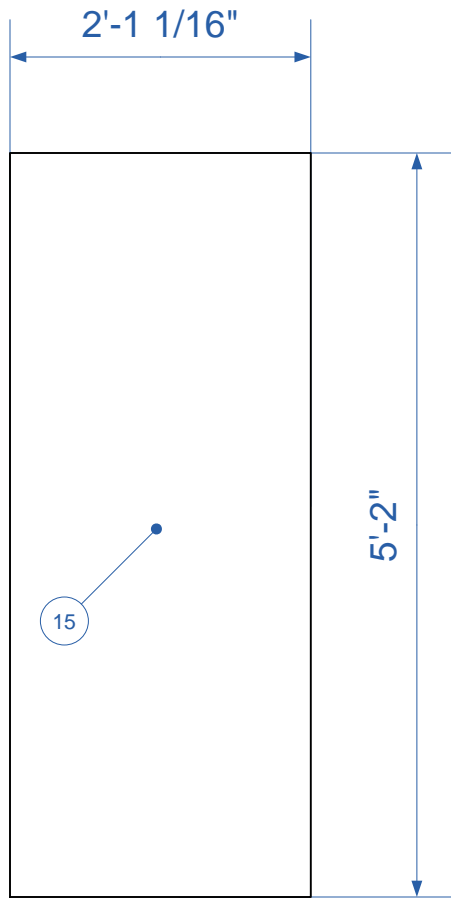
TITLE			
MARK I OBSERVATORY DOME			
Rib Assembly			
DRAWN BY			
CHARLES W. BAETSEN			
SIZE	DWG NO		REV
D	OBS-01		1a
SCALE	1 : 16	1 Oct, 2014	SHEET 2 OF 6



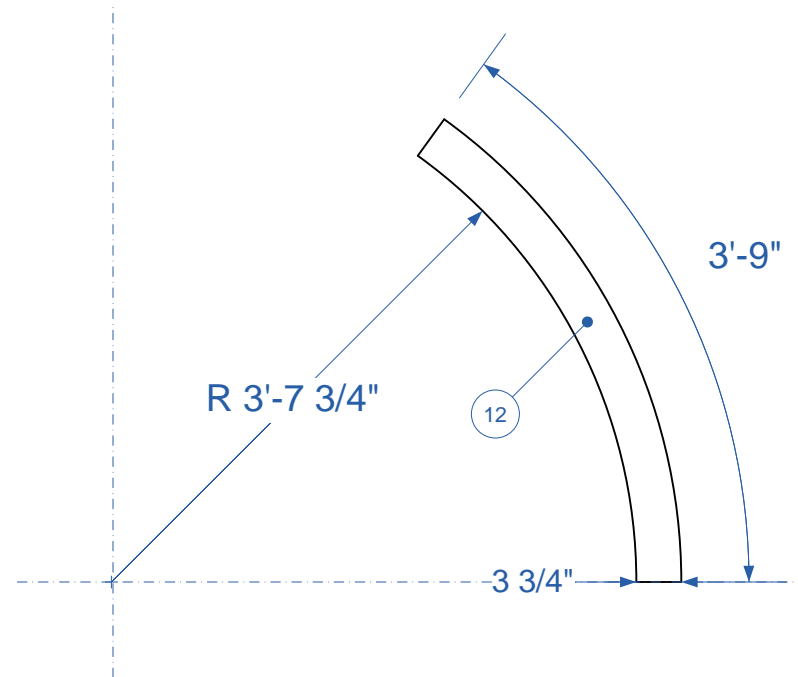
Top Shutter



Bottom Shutter



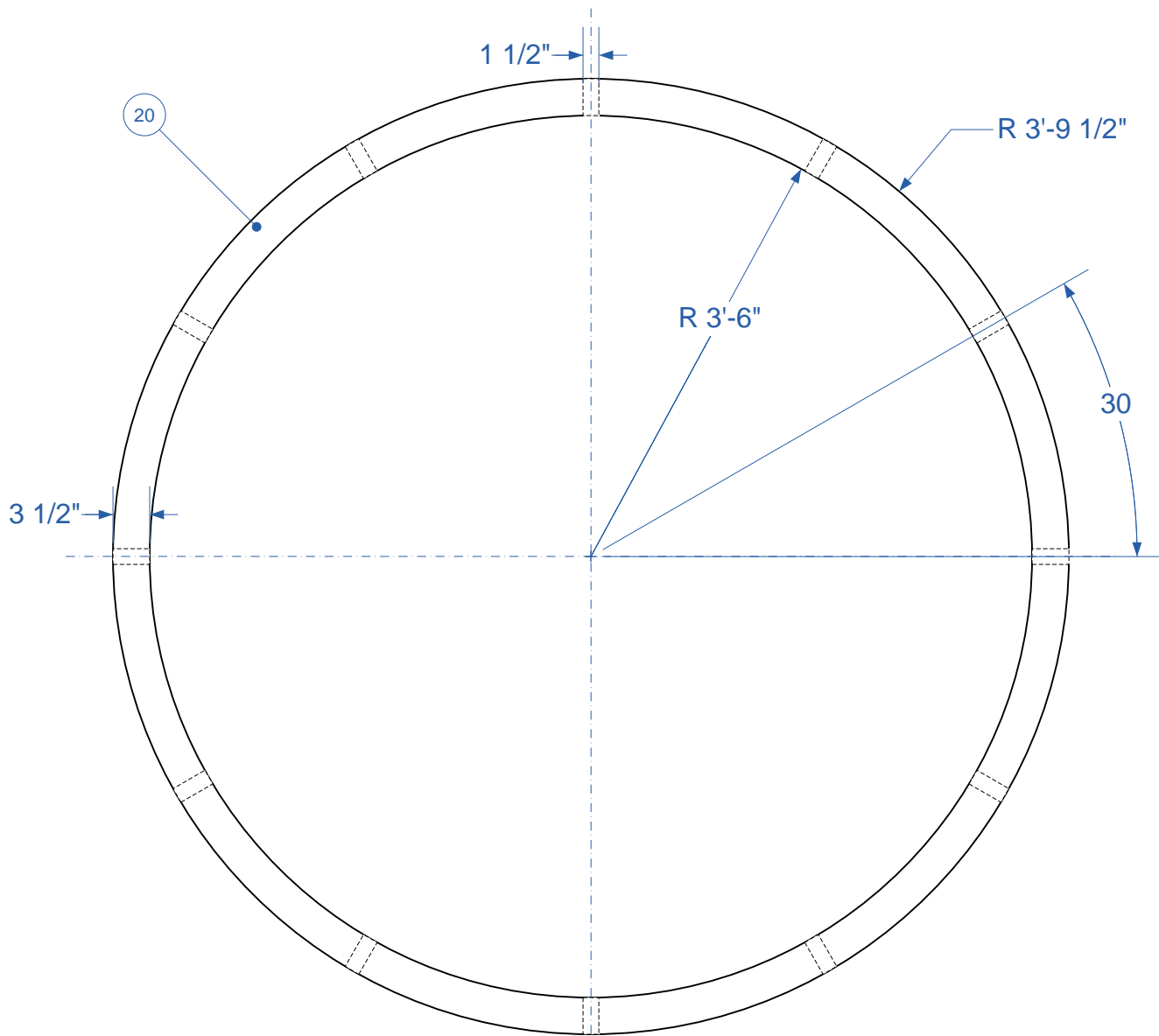
Rear Covering



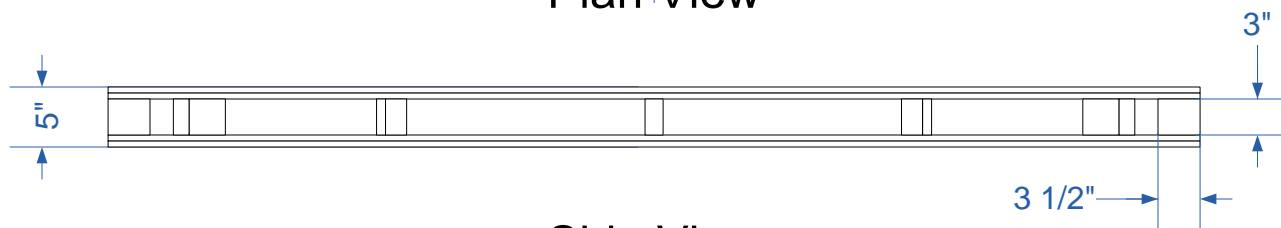
Shutter Sides (Qty x4)

NOTES:	
1. For BOM see drawing Sheet 1	
2. Shutter and rear covering are made from 1/8" thick masonite or other suitable material.	

TITLE			
MARK I OBSERVATORY DOME			
Shutters			
DRAWN BY			
CHARLES W. BAETSEN			
SIZE	DWG NO		REV
D	OBS-01		1a
SCALE	1 : 16	1 Oct, 2014	SHEET 3 OF 6



Plan View

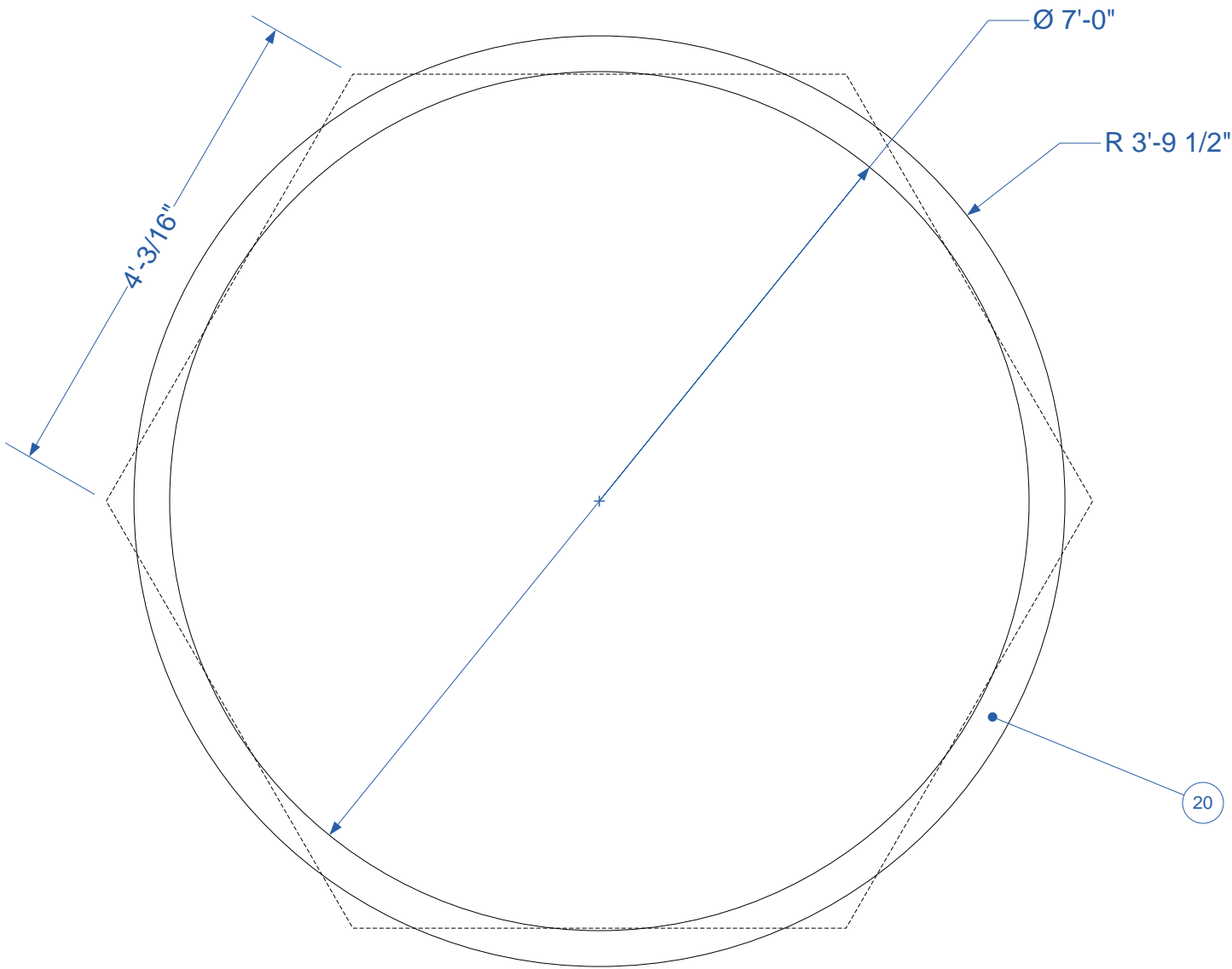


Side View

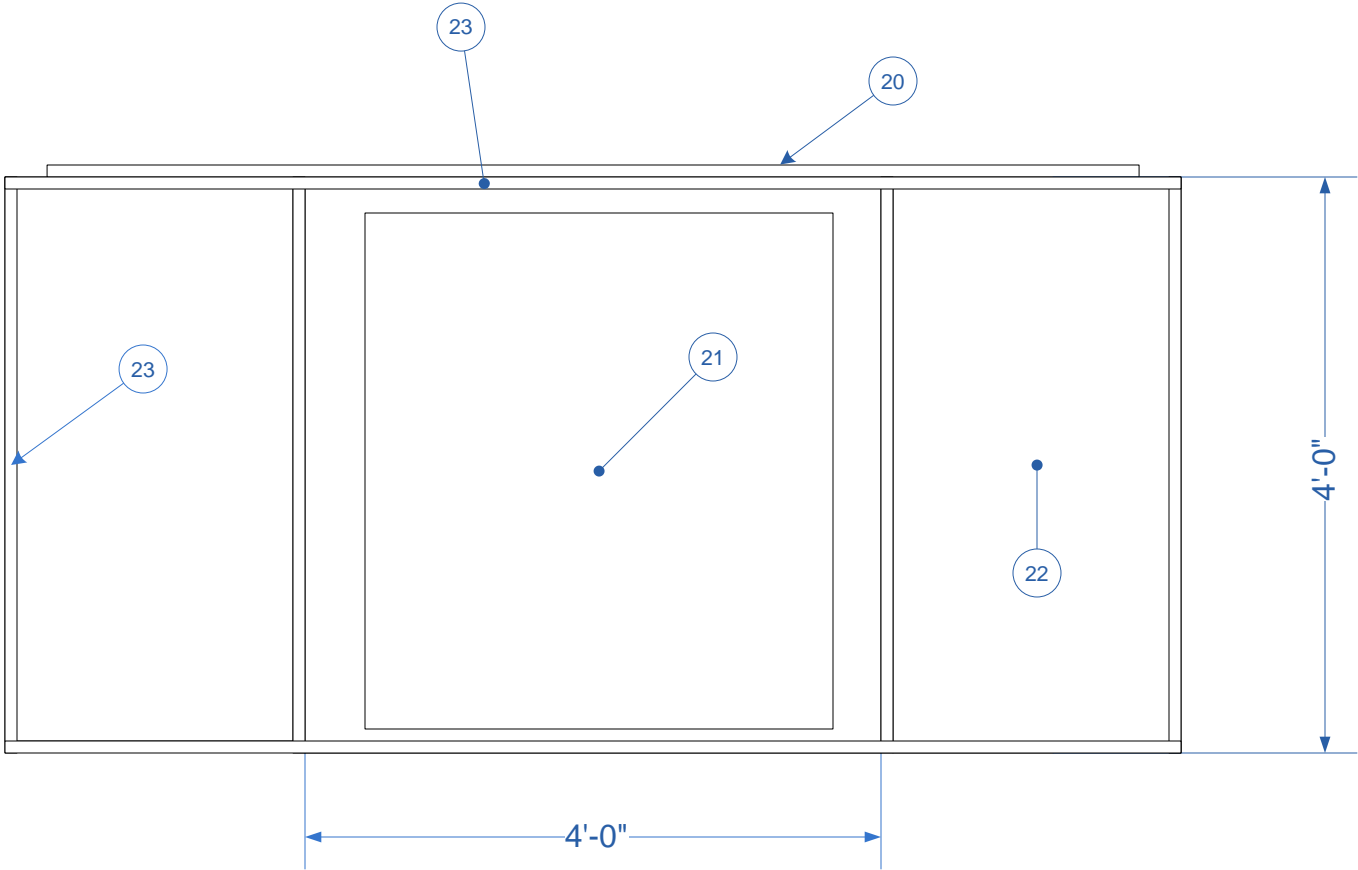
NOTES:

1. Each ring consists of 2 layers of ½-inch plywood
2. Each ring layer is made up of six 60-degree arcs, 3.5-inches wide.
3. Placement of arc on alternate layers are shifted by 30 degrees.
4. Spacer pieces are made of 3" high pieces of 2" x 4" lumber

TITLE			
MARK I OBSERVATORY DOME			
Dome Base Ring			
DRAWN BY			
CHARLES W. BAETSEN			
SIZE	DWG NO		REV
D	OBS-01		1a
SCALE	1 : 16	1 Oct, 2014	SHEET 4 OF 6



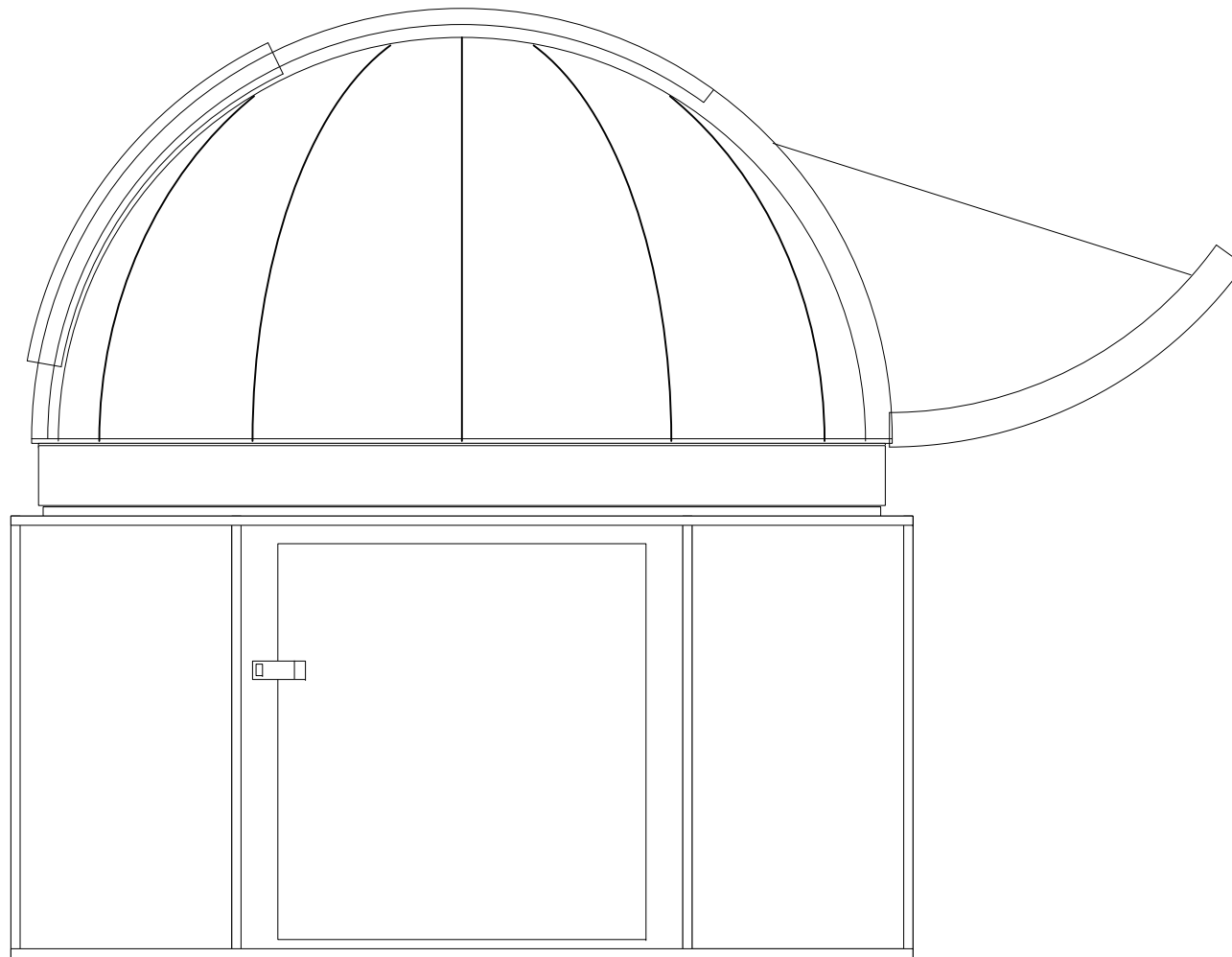
Plan View



Side View

BOM:
20 - Roller base
21 - Door
22 - 4' x 4' - ¼" plywood walls
23 - Steel frame

TITLE			
MARK I OBSERVATORY DOME			
Observatory Base			
DRAWN BY			
CHARLES W. BAETSEN			
SIZE	DWG NO		REV
D	OBS-01		1a
SCALE	1 : 16	1 Oct, 2014	SHEET 5 OF 6



TITLE			
MARK I OBSERVATORY DOME			
Overall View			
DRAWN BY			
CHARLES W. BAETSEN			
SIZE	DWG NO		REV
D	OBS-01		1a
SCALE	1 : 20	1 Oct, 2014	SHEET 6 OF 6