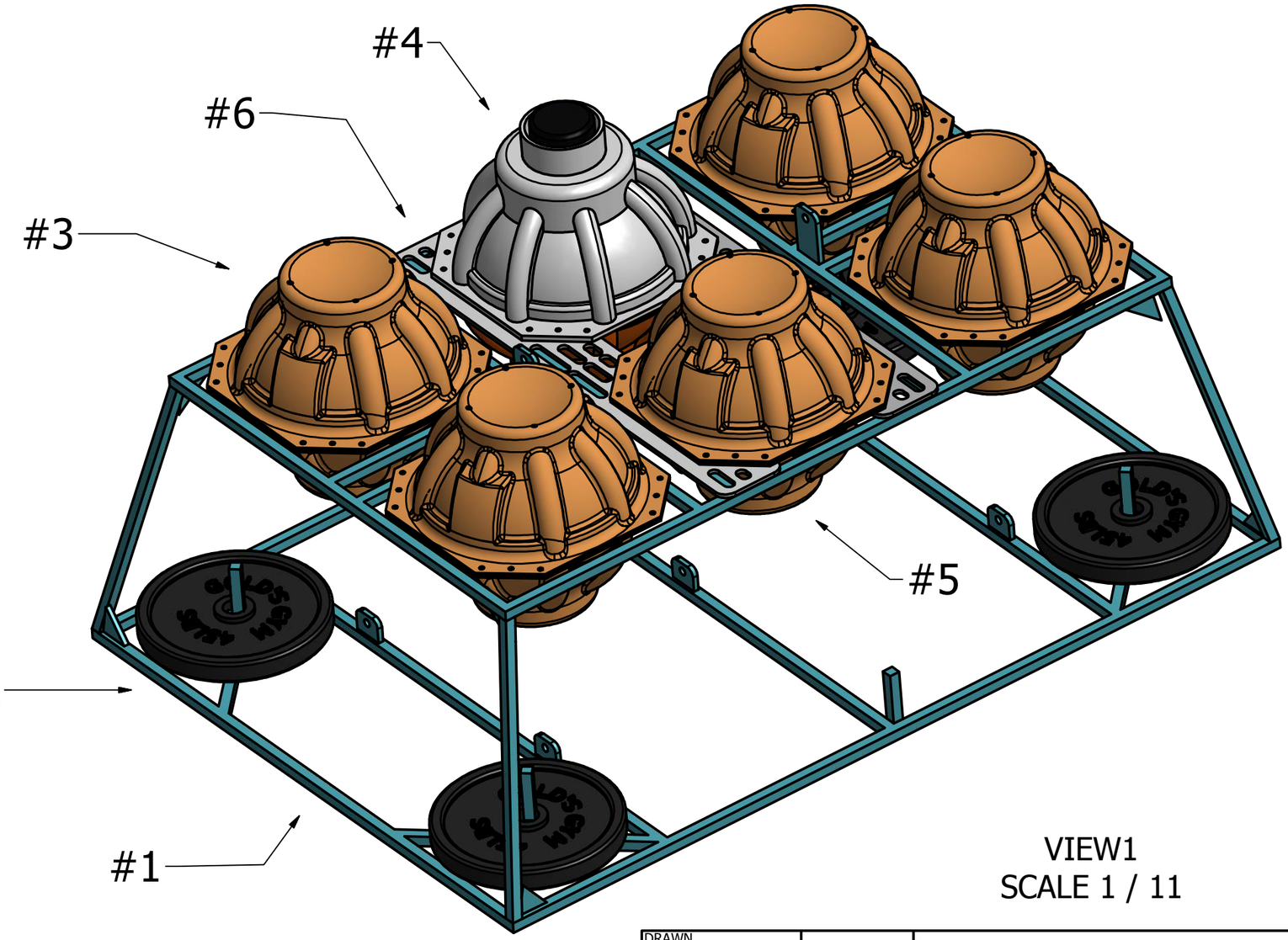

VIEW1
SCALE 1 / 11

Parts Table			
Part#	Item	Description	Quan
1			
2			
3			
4			
5			
6			

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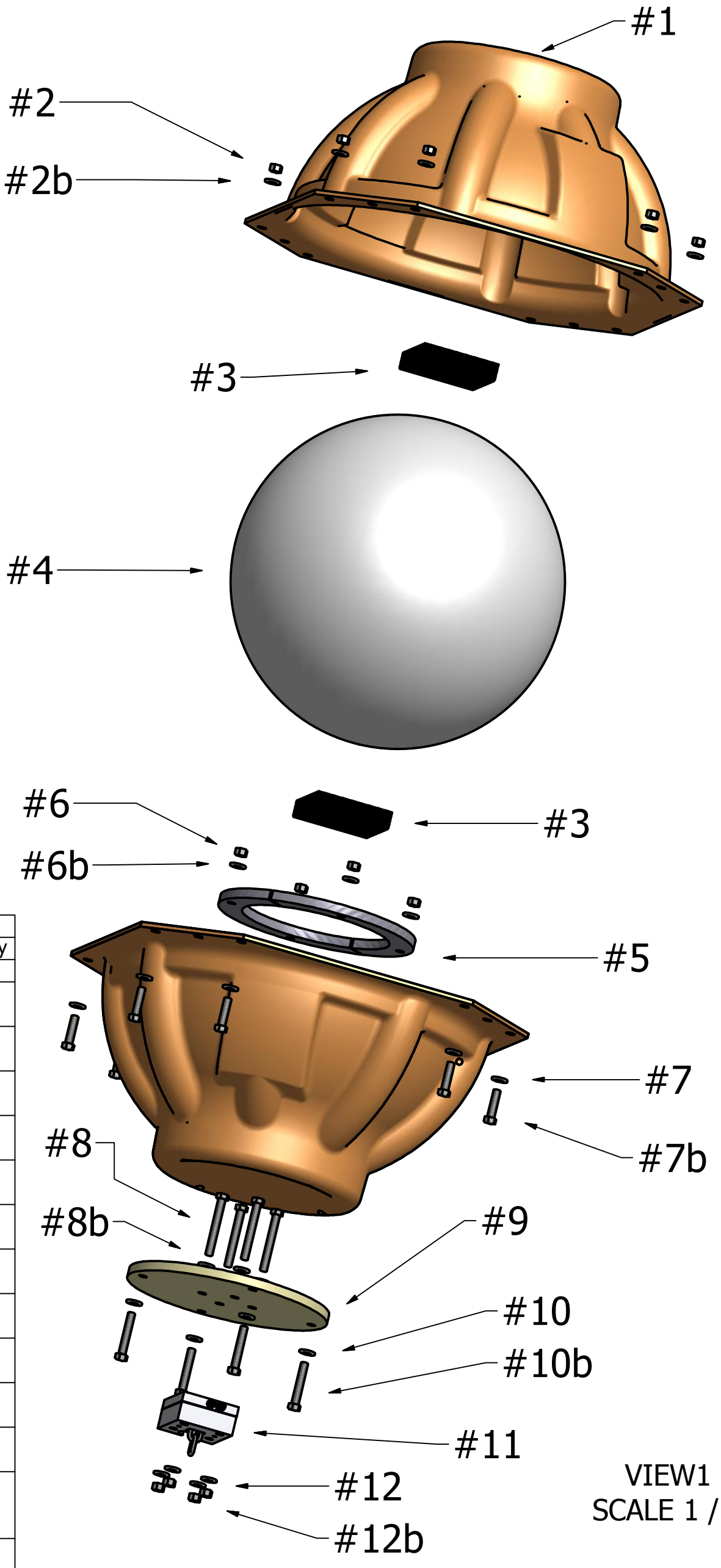
CHECKED		TITLE Complete DataPod ABIISS	
QA			
MFG			
APPROVED			
		SIZE B	DWG NO Complete Datapod System
		SCALE 1:11	SHEET 1 OF 1



VIEW1
SCALE 1 / 6

Parts Table			
Part#	Item	Description	Quantity
1	Hard Hat	Upper Hard Hat	1
2	Nut	3/8-16 nut, (stainless)	8
2b	washer	3/8 flat washer(stainless)	8
3	Cushion	Copper wire sphere cushion	2
4	Sphere	Glass 2-peice sphere	1
5	Ballast	2-peice ballast weight (stainless)	1
6	Nut	3/8-16 nut (stainless)	4
6b	Washer	3/8 flat washer(stainless)	4
7	Washer	3/8 flat washer (stainless)	8
7b	Bolt	3/8-16 x 1.5" bolt (stainless)	8
8	Bolt	3/8-16 x 3' bolt (stainless)	4
8b	Washer	3/8 flat washer (stainless)	4
9	Release Plate	Release mounting plate x .5" (starboard)	1
10	Washer	3/8 flat washer (stainless)	4
10b	Bolt	3/8-16 x 2.25" bolt (stainless)	4
11	Release	Release mechanism	1
12	Washer	3/8 flat washer(stainless)	4
12b	Nut	3/8-16 nut (stainless)	4

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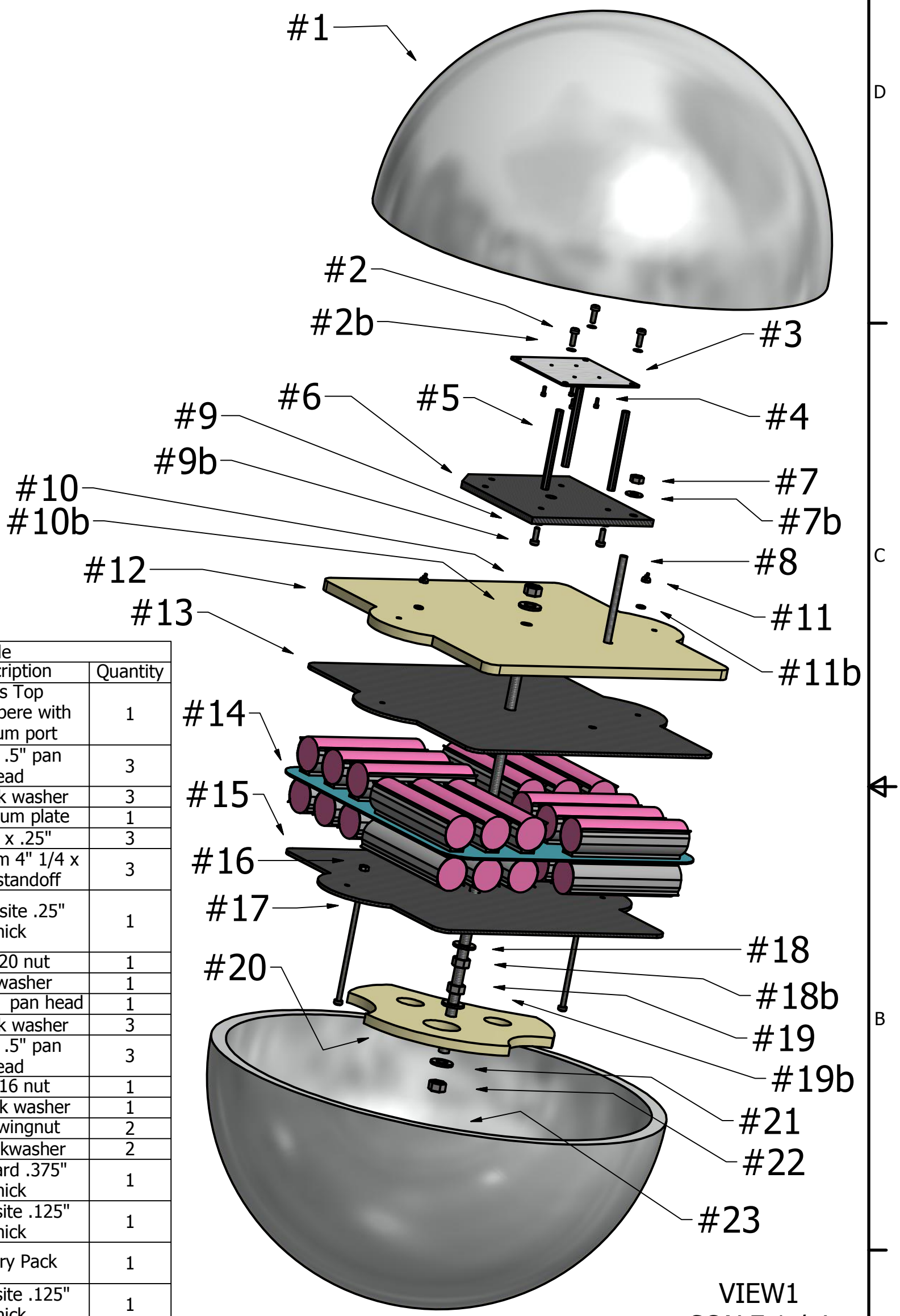
TITLE

Datapod Hard Hat Assembly

SIZE		DWG NO	REV
B		Hard Hat Assembly	
SCALE 1:6		SHEET 1 OF 1	



VIEW1
SCALE 1 / 4

Parts Table			
Part#	Item	Description	Quantity
1	Glass Sphere	Glass Top Hemishpere with vacuum port	1
2	Screw	8-32 x .5" pan head	3
2b	Washer	#8 lock washer	3
3	GPS Plate	Aluminum plate	1
4	Screw	2-56 x .25"	3
5	Standoffs	Aluminum 4" 1/4 x 8-32 standoff	3
6	Mid Controller Plate	Composite .25" thick	1
7	Nut	1/4-20 nut	1
7b	washer	1/4 washer	1
8	Screw	1/4-20 x pan head	1
9	Washer	#8 lock washer	3
9b	Screw	8-32 x .5" pan head	3
10	Nut	3/8-16 nut	1
10b	Washer	3/8 lock washer	1
11	Wingnut	8-32 wingnut	2
11b	Washer	#8 lockwasher	2
12	Plate Top of Battery2	Starboard .375" thick	1
13	Plate Top of Battery	Composite .125" thick	1
14	Battery Plate	Battery Pack	1
15	Plate Under Battery	Composite .125" thick	1
16	Nut	8-32 LockNut	2
17	Screw	8-32 x 4" Pan head	2
18	Washer	3/8 washer	1
18b	Nut	3/8-16 nut	1
19	Nut	3/8-16 nut	1
19b	Washer	3/8 washer	1
20	Main Stem Anchor Plate	Starboard .375" thick	1
21	Washer	3/8 washer	1
22	Nut	3/8-16 locknut	1
23	Foam	16lb Density pour foam	1
24	Glass Sphere	Glass Bottom Hemisphere with electrical connector	1

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MFG	
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TITLE
Datapod Inside Sphere Assembly

SIZE		DWG NO	REV
B		Inside Sphere Assembly	
SCALE 1:4		SHEET 1 OF 1	