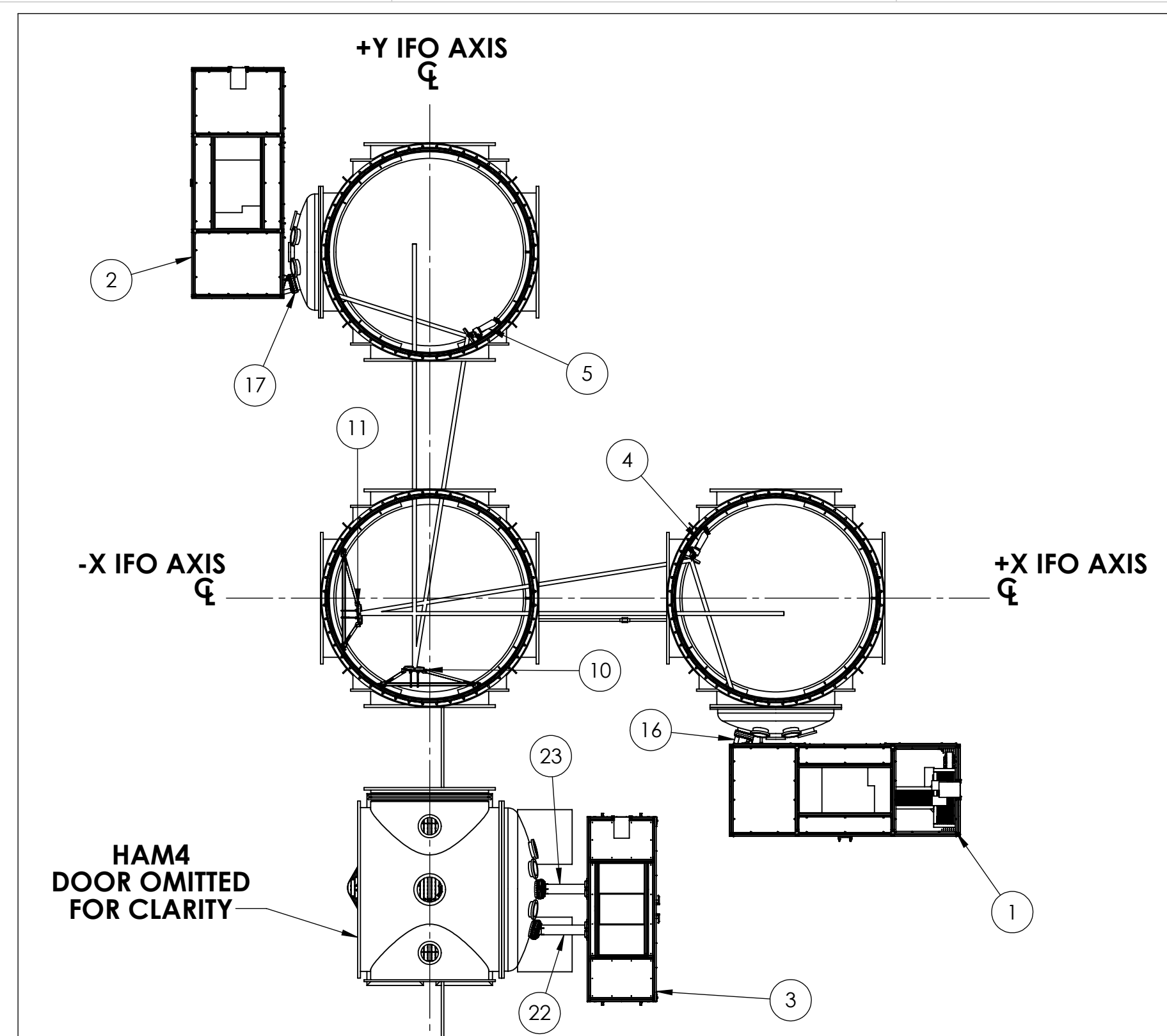
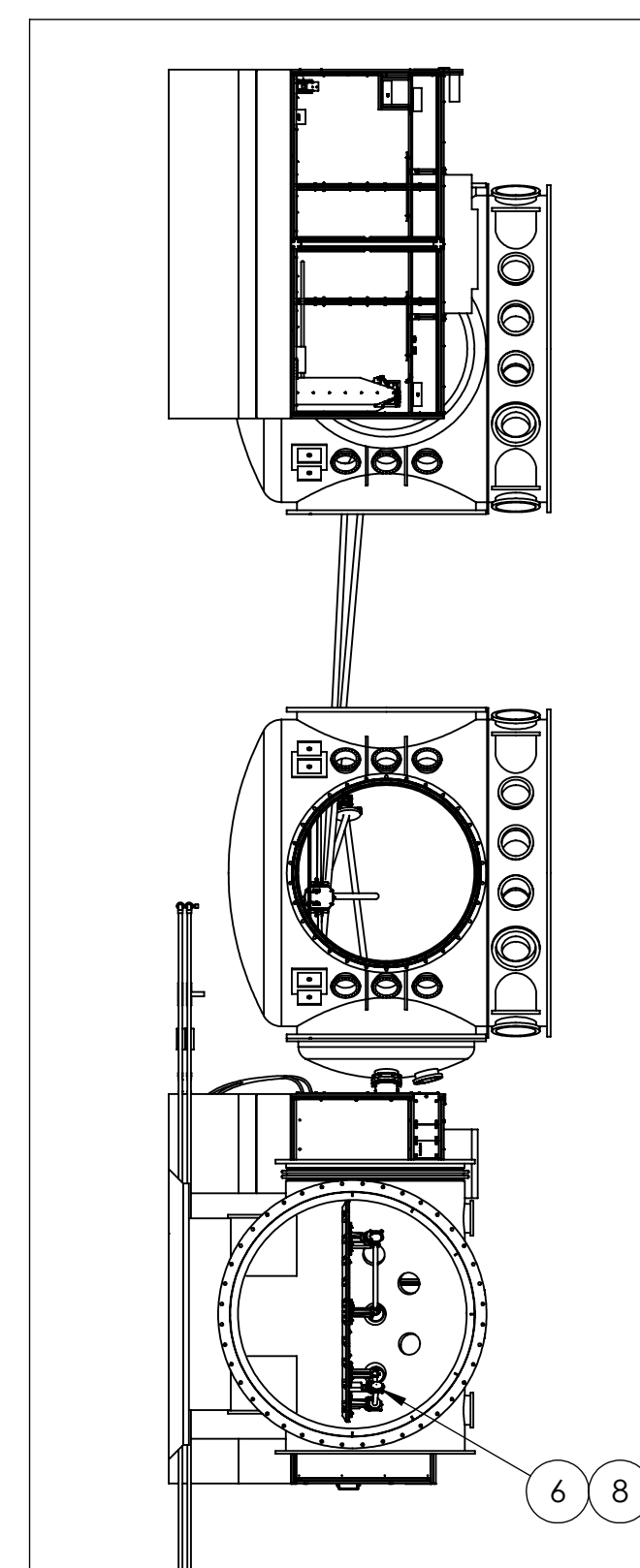


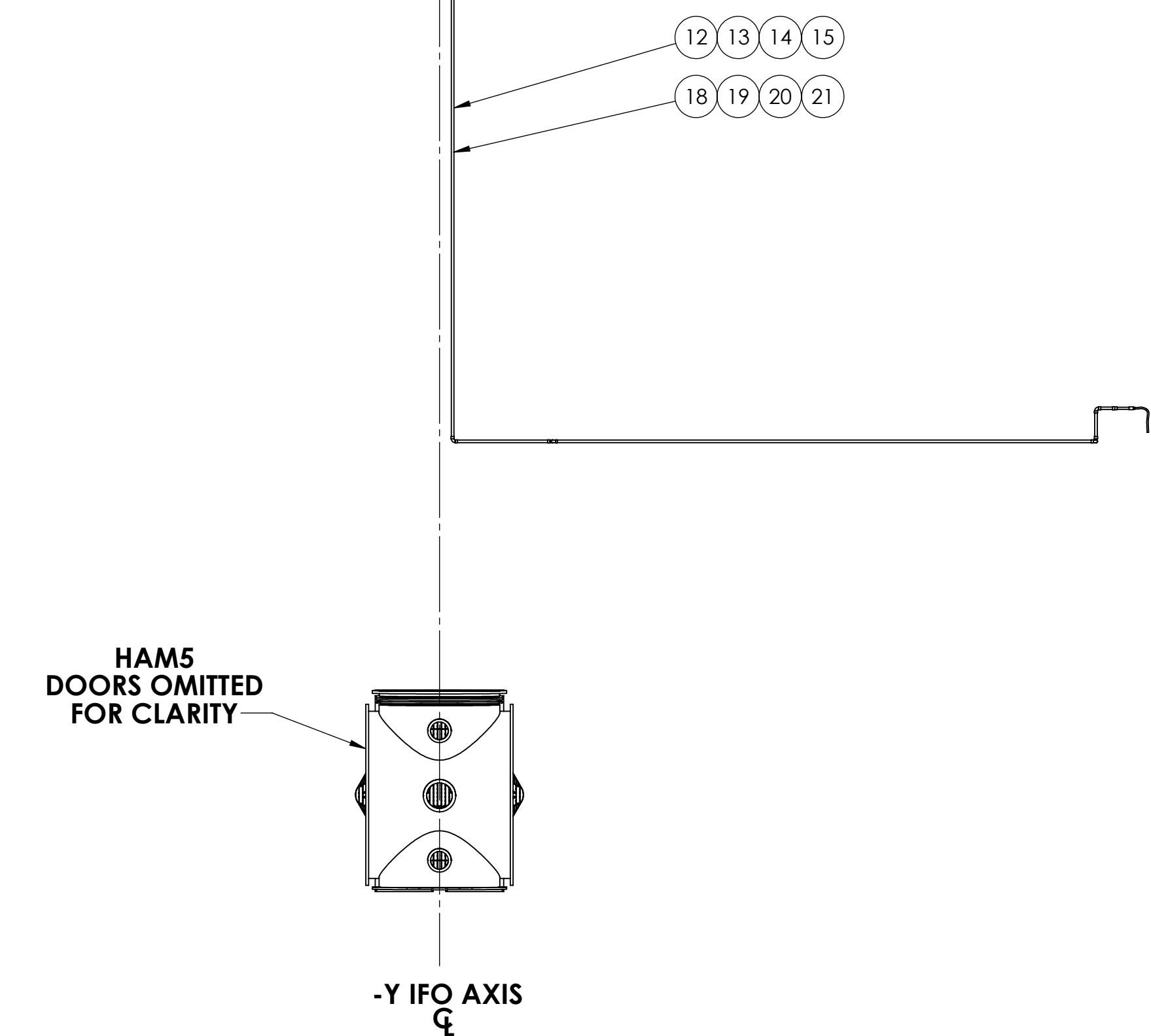
REV.	DATE	DCN #	DRAWING TREE #
v1	19-JUL-2011		
v2	23-DEC-2011		
v3	05-JAN-2012		
v4	22-APR-2013		
v5	06-JAN-2014	E1400004-x0	E1400005-v1



SHEET 2  
SCALE 1:30



SHEET 2  
SCALE 1:30



TOP VIEW  
BEAM TUBES OMITTED FOR CLARITY

SIDE VIEW  
BEAM TUBES OMITTED FOR CLARITY

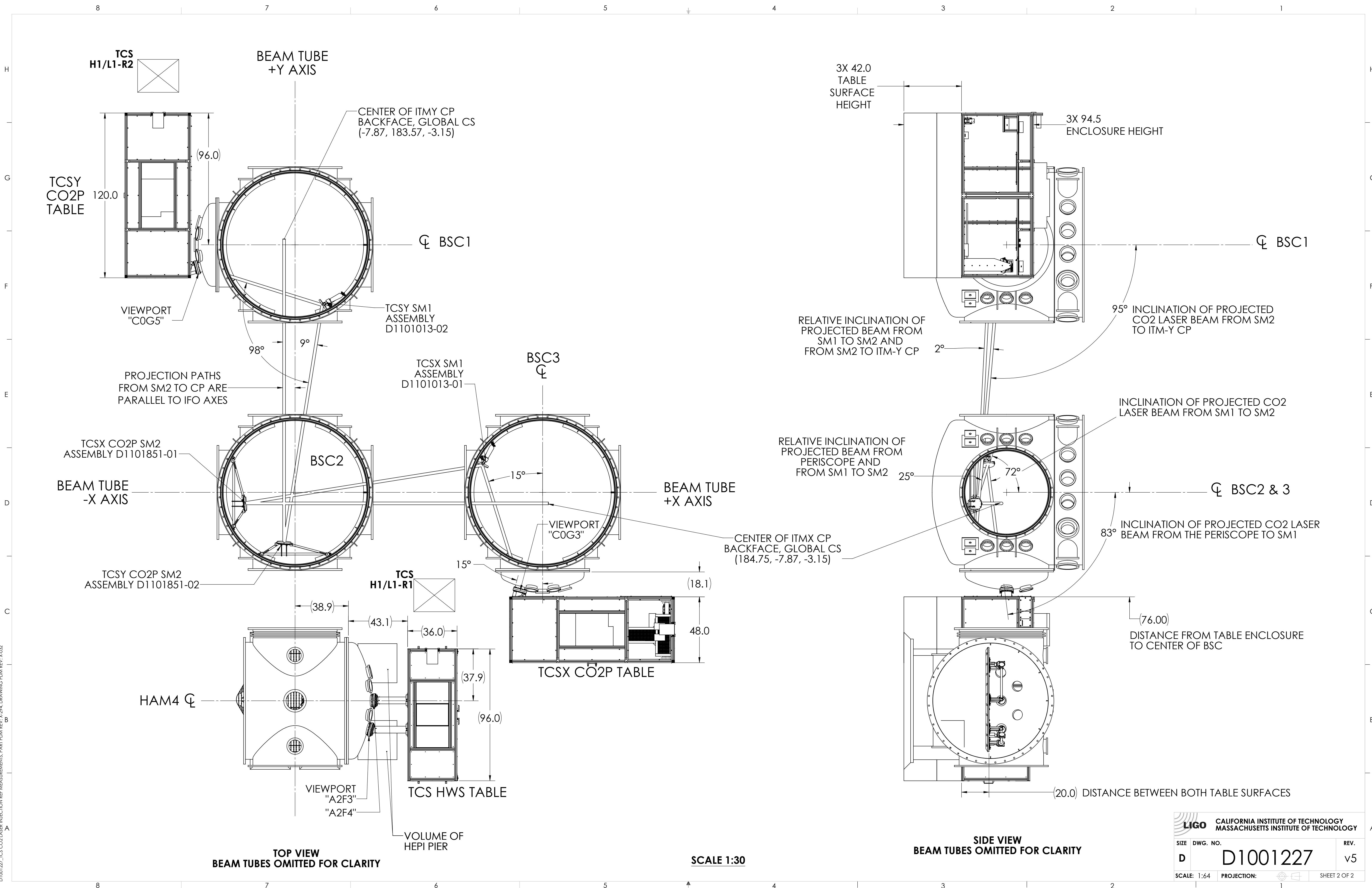
ITEM NO.	PART NUMBER	DESCRIPTION	MATERIAL	LLO DEFAULT/QTY.	LHO DEFAULT/QTY.
23	D1102397	αLIGO TCS HAM4 HWS-Y VIEWPORT AND BEAM ENCLOSURE ASSEMBLY	MULTI	1	1
22	D1102389	αLIGO TCS HAM4 HWS-X VIEWPORT AND BEAM ENCLOSURE ASSEMBLY	MULTI	1	1
21	D1300617-112	LHO PLUMBING LAYOUT, αLIGO TCS CO2P, Y-ARM RETURN	PVC, SSTL	0	1
20	D1300617-102	LHO PLUMBING LAYOUT, αLIGO TCS CO2P, Y-ARM SUPPLY	PVC, SSTL	0	1
19	D1300617-111	LHO PLUMBING LAYOUT, αLIGO TCS CO2P, X-ARM RETURN	PVC, SSTL	0	1
18	D1300617-101	LHO PLUMBING LAYOUT, αLIGO TCS CO2P, X-ARM SUPPLY	PVC, SSTL	0	1
17	D1101627-02	VIEWPORT ENCLOSURE ASSEMBLY, H1/L1	MULTI	1	1
16	D1101627-01	VIEWPORT ENCLOSURE ASSEMBLY, H1/L1	MULTI	1	1
15	D1300617-12	LLO PLUMBING LAYOUT, αLIGO TCS CO2P, Y-ARM RETURN	PVC, SSTL	1	0
14	D1300617-02	LLO PLUMBING LAYOUT, αLIGO TCS CO2P, Y-ARM SUPPLY	PVC, SSTL	1	0
13	D1300617-11	LLO PLUMBING LAYOUT, αLIGO TCS CO2P, X-ARM RETURN	PVC, SSTL	1	0
12	D1300617-01	LLO PLUMBING LAYOUT, αLIGO TCS CO2P, X-ARM SUPPLY	PVC, SSTL	1	0
11	D1101851-02	TCS CO2P SYS STEERING OPTICS ASSY, H1-L1, BSC2	MULTI	1	1
10	D1101851-01	TCS CO2P SYS STEERING OPTICS ASSY, H1-L1, BSC2	MULTI	1	1
9	D1101125	αLIGO TCS HWS OPTICS ASSY, HAM5 H1	MULTI	0	1
8	D1101085	αLIGO TCS HWS OPTICS ASSY IN VACUUM, H1 HAM4	MULTI	0	1
7	D1101849	αLIGO TCS HWS OPTICS ASSY IN Vac, L1 HAM5	MULTI	1	0
6	D1101846	αLIGO TCS HWS OPTICS ASSY IN VACUUM, L1 HAM4	MULTI	1	0
5	D1101013-02	αLIGO TCS CO2P STERRING MIRROR 1 ASSY, H1-L1	MULTI	1	1
4	D1101013-01	αLIGO TCS CO2P STEERING MIRROR 1 ASSY, H1-L1	MULTI	1	1
3	D1000635	TCS HWS TABLE ASSEMBLY, HAM4	MULTI	1	1
2	D1000634-02	TCS CO2P TABLE ASSEMBLY, H1/L1	MULTI	1	1
1	D1000634-01	TCS CO2P TABLE ASSEMBLY, H1/L1	MULTI	1	1

PARTS LIST

NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)	
1. INTERPRET DRAWING PER ASME Y14.5-1994.	
2. DO NOT SCALE FROM DRAWING.	
DIMENSIONS ARE IN INCHES	
TOLERANCES: .XX ± .01 .XXX ± .005	
ANGULAR ± 1.0°	
MATERIAL	N/A
FINISH	N/A μinch

CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY		<b>PART NAME</b> αLIGO TCS CORNER STATION LAYOUT	
SYSTEM	ADVANCED LIGO	SUB-SYSTEM	AOS
DESIGNER	M. JACOBSON	18 MAY 2010	SIZE DWG. NO.
DRAFTER	M. JACOBSON	22 NOV 2013	<b>D</b> <b>D1001227</b>
CHECKER	A. BROOKS	25 NOV 2013	REV. <b>v5</b>
APPROVAL	D. COYNE	SCALE: 1:64	PROJECTION:
NEXT ASSY		D0901466, D0901469	
SHEET 1 OF 2			

D1001227\_TCS CO2 LASER INJECTION REF MEASUREMENTS, PART PDM REV. X-294, DRAWING PDM REV. X-032



D1001227\_TCS CO2 LASER INJECTION REF MEASUREMENTS, PART PDM REV. X-294, DRAWING PDM REV. X-032

CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY		SIZE DWG. NO. <b>D D1001227</b>	REV. <b>v5</b>
SCALE: 1:64	PROJECTION:	SHEET 2 OF 2	