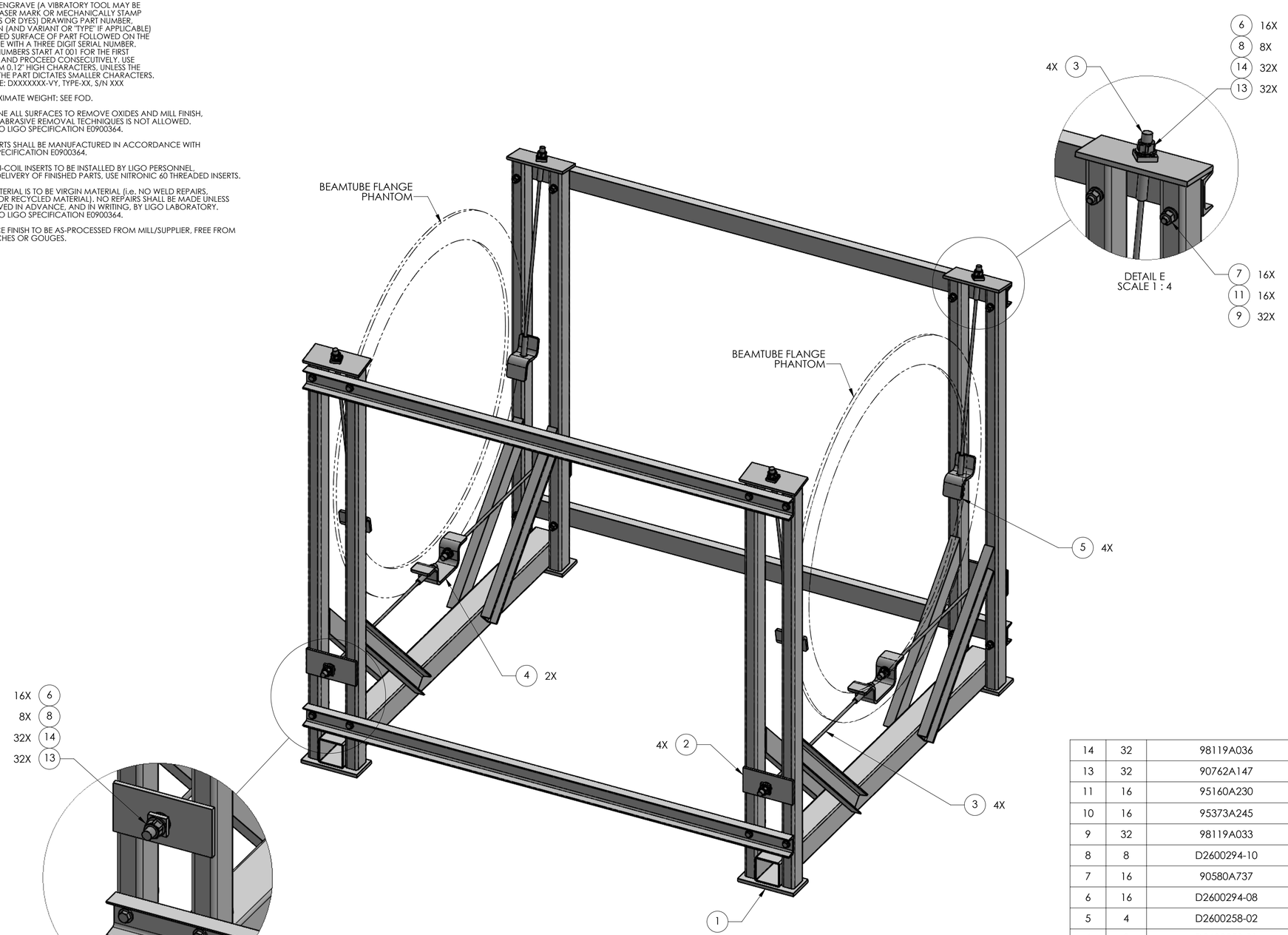
NOTES CONTINUED:

⑤ SCRIBE, ENGRAVE (A VIBRATORY TOOL MAY BE USED), LASER MARK OR MECHANICALLY STAMP (NO INKS OR DYES) DRAWING PART NUMBER, REVISION (AND VARIANT OR "TYPE" IF APPLICABLE) ON NOTED SURFACE OF PART FOLLOWED ON THE NEXT LINE WITH A THREE DIGIT SERIAL NUMBER. SERIAL NUMBERS START AT 001 FOR THE FIRST ARTICLE AND PROCEED CONSECUTIVELY. USE MINIMUM 0.12" HIGH CHARACTERS, UNLESS THE SIZE OF THE PART DICTATES SMALLER CHARACTERS. EXAMPLE: DXXXXXXX-VY, TYPE-XX, S/N XXX

6. APPROXIMATE WEIGHT: SEE FOD.
7. MACHINE ALL SURFACES TO REMOVE OXIDES AND MILL FINISH, USE OF ABRASIVE REMOVAL TECHNIQUES IS NOT ALLOWED. REFER TO LIGO SPECIFICATION E0900364.
8. ALL PARTS SHALL BE MANUFACTURED IN ACCORDANCE WITH LIGO SPECIFICATION E0900364.
9. ALL HELI-COIL INSERTS TO BE INSTALLED BY LIGO PERSONNEL. AFTER DELIVERY OF FINISHED PARTS, USE NITRONIC 60 THREADED INSERTS.
10. ALL MATERIAL IS TO BE VIRGIN MATERIAL (i.e. NO WELD REPAIRS, PLUGS OR RECYCLED MATERIAL). NO REPAIRS SHALL BE MADE UNLESS APPROVED IN ADVANCE, AND IN WRITING, BY LIGO LABORATORY. REFER TO LIGO SPECIFICATION E0900364.
11. SURFACE FINISH TO BE AS-PROCESSED FROM MILL/SUPPLIER, FREE FROM SCRATCHES OR GOUGES.

REV.	DATE	DCN #	DRAWING TREE #
v1	10/05/2026	E2600316-x0	-
-	-	-	-
-	-	-	-



ITEM NO.	QTY.	PART NUMBER	DESCRIPTION	MFR
14	32	98119A036	HDW, WSHR, GALV STL	MCMASTER-CARR
13	32	90762A147	HDW NUT MIL SPEC 18-8 SS	MCMASTER- CARR
11	16	95160A230	95160A230_Galvanized Steel Split Lock Washers	MCMASTER-CARR
10	16	95373A245	HDW SCREW 1/2"-13 X 4.5, STL	MCMASTER-CARR
9	32	98119A033	HDW WASHER 0.531" ID, 1.095" OD, 0.1" THK, STL	MCMASTER-CARR
8	8	D2600294-10	SPACER SQ 21ID TERMINATION SUPPORT CEBEX	TBD
7	16	90580A737	HDW, NUT, HEX MED HEAVY	MCMASTER-CARR
6	16	D2600294-08	GROMMET YOROLITE TERMINATION SUPPORT CEBEX	TBD
5	4	D2600258-02	COUPLER, CABLE, MODIFIED, GUIDED SUPPORT, CEBEX	TBD
4	2	D2600258-01	COUPLER, CABLE, GUIDED SUPPORT, CEBEX	TBD
3	8	D2600294-03	ASSY CABLE, GALV STEEL WIRE ROPE	TBD
2	4	D2600294-02	PLATE, TENSIONING, GUIDED SUPPORT, CEBEX	TBD
1	1	D2600294	WELDMENT GUIDED SUPPORT	TBD

BOM TABLE

PRELIMINARY

NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)

DIMENSIONS ARE IN MM [INCHES]

TOLERANCES:
.XX ± N/A
.XXX ± N/A

ANGULAR ± N/A °

1. INTERPRET DRAWING PER ASME Y14.5-1994.
2. REMOVE ALL SHARP EDGES, .005-.015. FOR MACHINED PARTS. ROUND ALL EDGES APPROXIMATLEY R.02 FOR SHEET METAL PARTS.
3. DO NOT SCALE FROM DRAWING.
4. ALL MACHINING FLUIDS MUST BE FULLY SYNTHETIC, FULLY WATER SOLUBLE AND FREE OF SULFUR, SILICONE, AND CHLORINE.

MATERIAL

FINISH µinch

NEXT ASSY

CALIFORNIA INSTITUTE OF TECHNOLOGY
MASSACHUSETTS INSTITUTE OF TECHNOLOGY

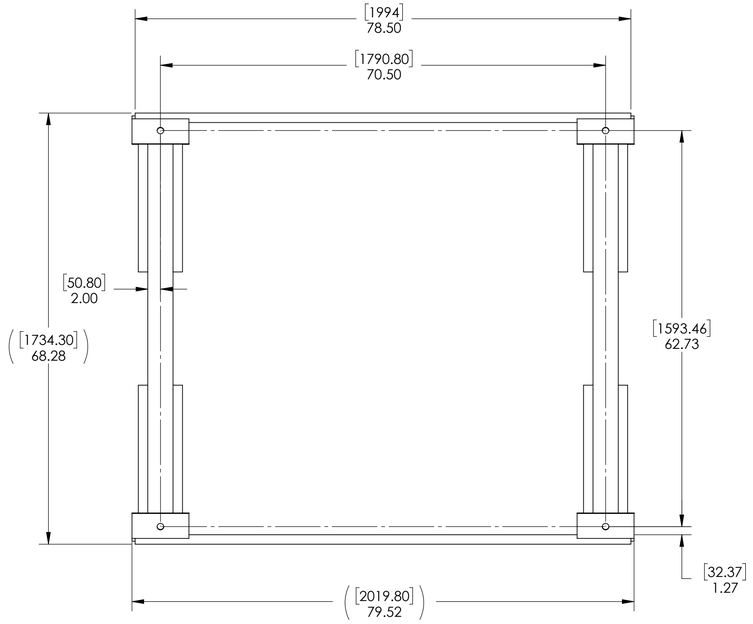
SYSTEM

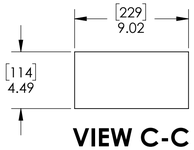
SUB-SYSTEM

PART NAME: ASSY SUPPORT GUIDED, BEAMTUBE, CEBEX

DESIGNER			SIZE	DWG. NO.	REV.
DRAFTER	AOBREGON	10/05/2026	D	D2600294	v1
CHECKER	S. SHANKLE	10/05/2026			
APPROVAL	SEE DCC	SEE DCC	SCALE: 1:12	PROJECTION:	SHEET 1 OF 3

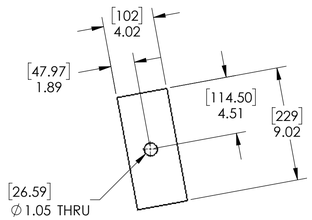
PART PDM VERSION: y-005
DWG PDM VERSION: y-015
D2600294





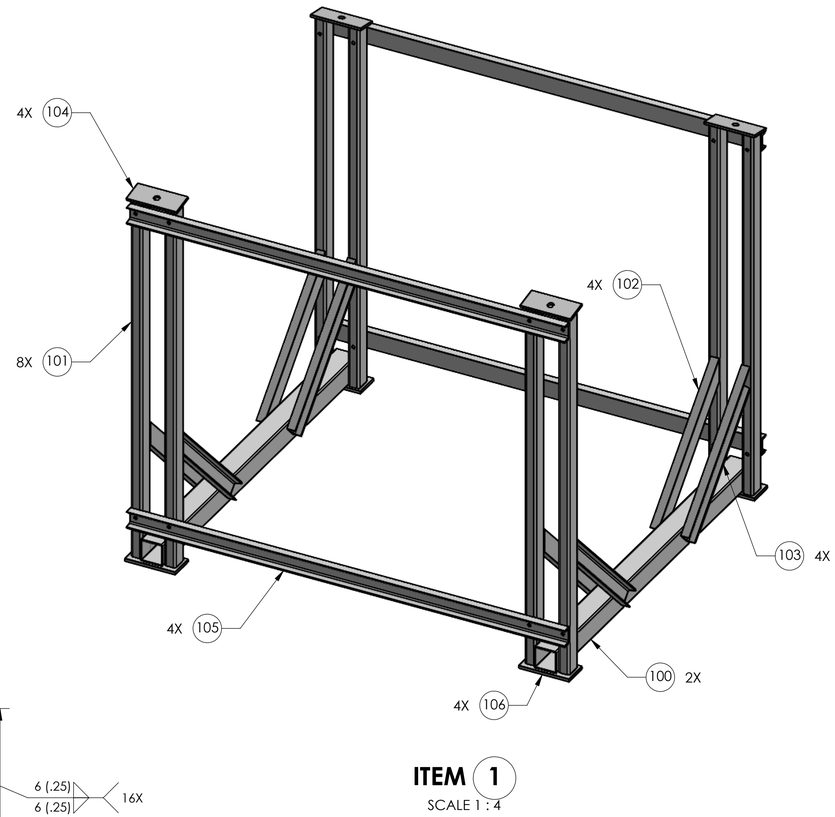
VIEW C-C
SCALE 1 : 6

ITEM 106

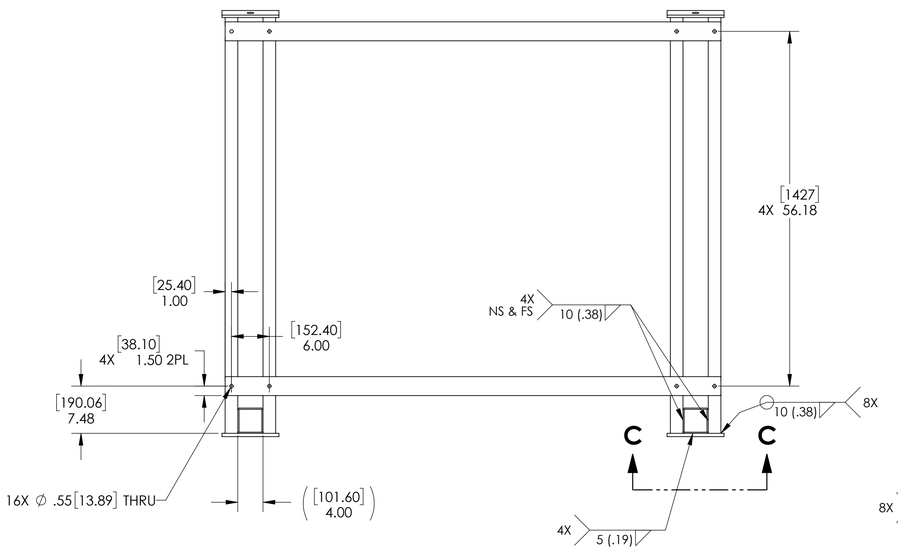


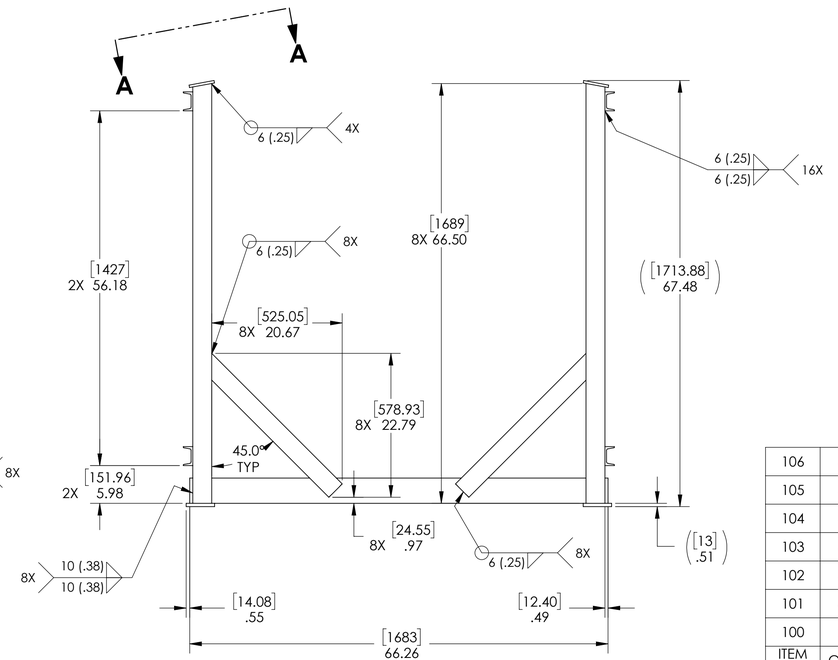
VIEW A-A
SCALE 1 : 6

ITEM 103



ITEM 1
SCALE 1 : 4





ITEM NO.	QTY.	PART NUMBER	DESCRIPTION	TYPE	MATERIAL
106	4	D2600294-106	PLATE, BOTTOM, GUIDED SUPPORT	PLATE	GALV STL
105	4	D2600294-105	WELDED, SIDE BEAMS, GUIDED SUPPORT FRAME	C3x5	GALV STL
104	4	D2600294-104	PLATE, TOP, CABLE GUIDE	PLATE	GALV STL
103	4	D2600294-103	WELDED, CORNER SUPPORTS, GUIDED SUPPORT FRAME RT	C3x5	GALV STL
102	4	D2600294-102	WELDED, CORNER SUPPORTS, GUIDED SUPPORT FRAME LT	C3x5	GALV STL
101	8	D2600294-101	WELDED, UPRIGHT, GUIDED SUPPORT FRAME RT	TR3x2x0.1875	GALV STL
100	2	D2600294-100	WELDED, BASE, GUIDED SUPPORT FRAME RT	TS4x4x0.1875	GALV STL

Weldment Cut List

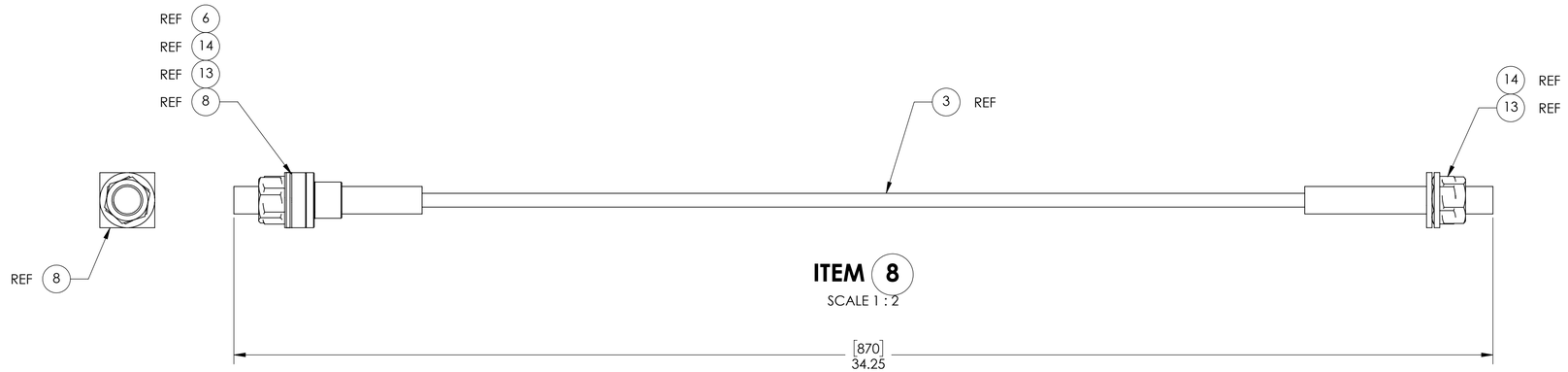
PRELIMINARY

LIGO — CALIFORNIA INSTITUTE OF TECHNOLOGY, MASSACHUSETTS INSTITUTE OF TECHNOLOGY

SIZE	DWG. NO.	REV.
D	D2600294	v1

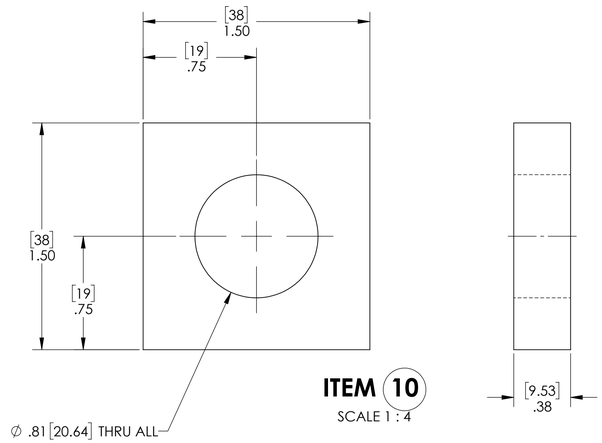
SCALE: 1:12 | PROJECTION: | SHEET 2 OF 3

PART PDM VERSION: y-007
DWG PDM VERSION: y-015
D2600294



ITEM 8
SCALE 1 : 2

ITEM 8
SCALE 1 : 4



ITEM 10
SCALE 1 : 4

PRELIMINARY

LIGO	CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY	
SIZE D	DWG. NO. D2600294	REV. v1
SCALE: 1:8	PROJECTION:	SHEET 3 OF 3

PART PDM VERSION: v-003
DWG PDM VERSION: v-015
D2600294