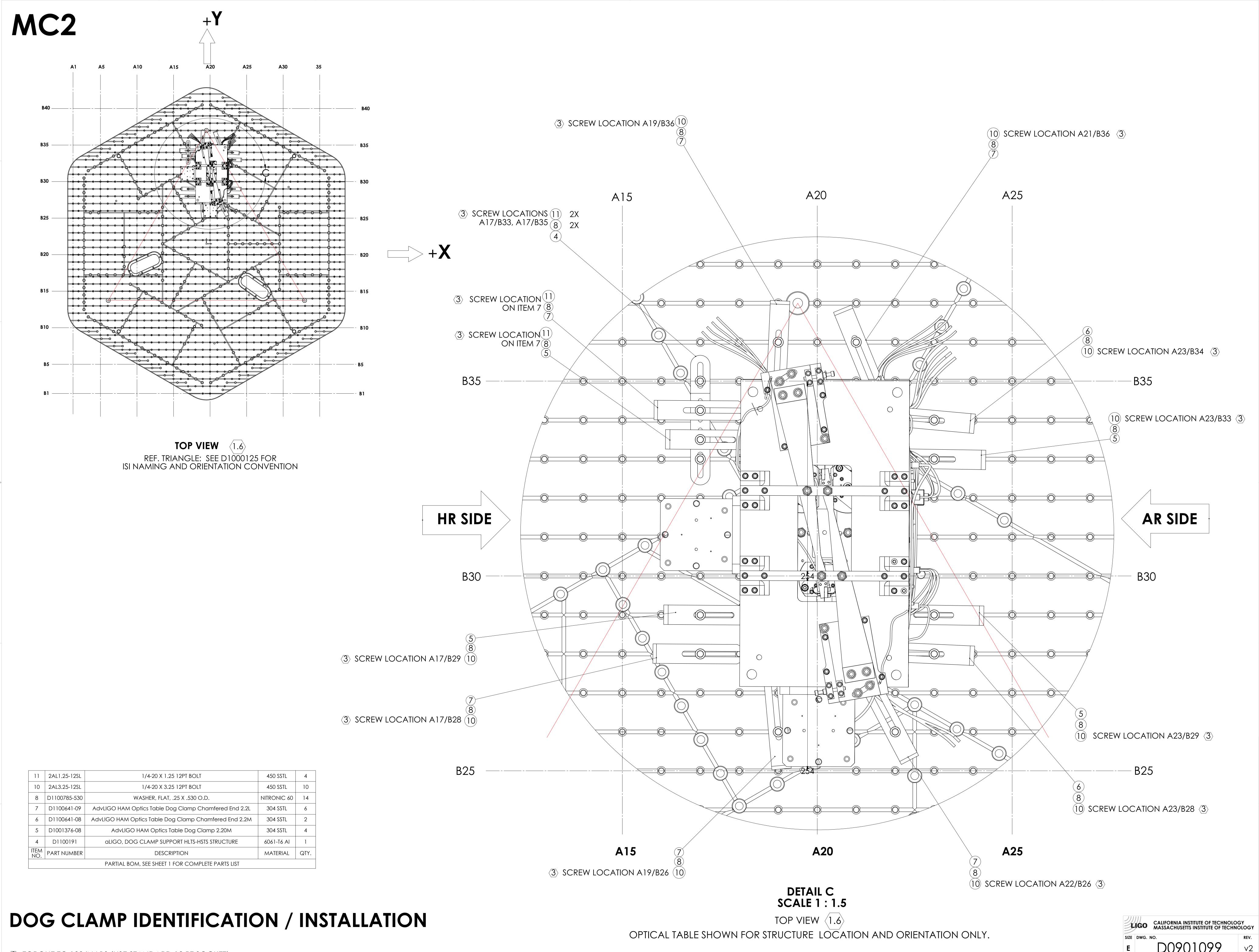
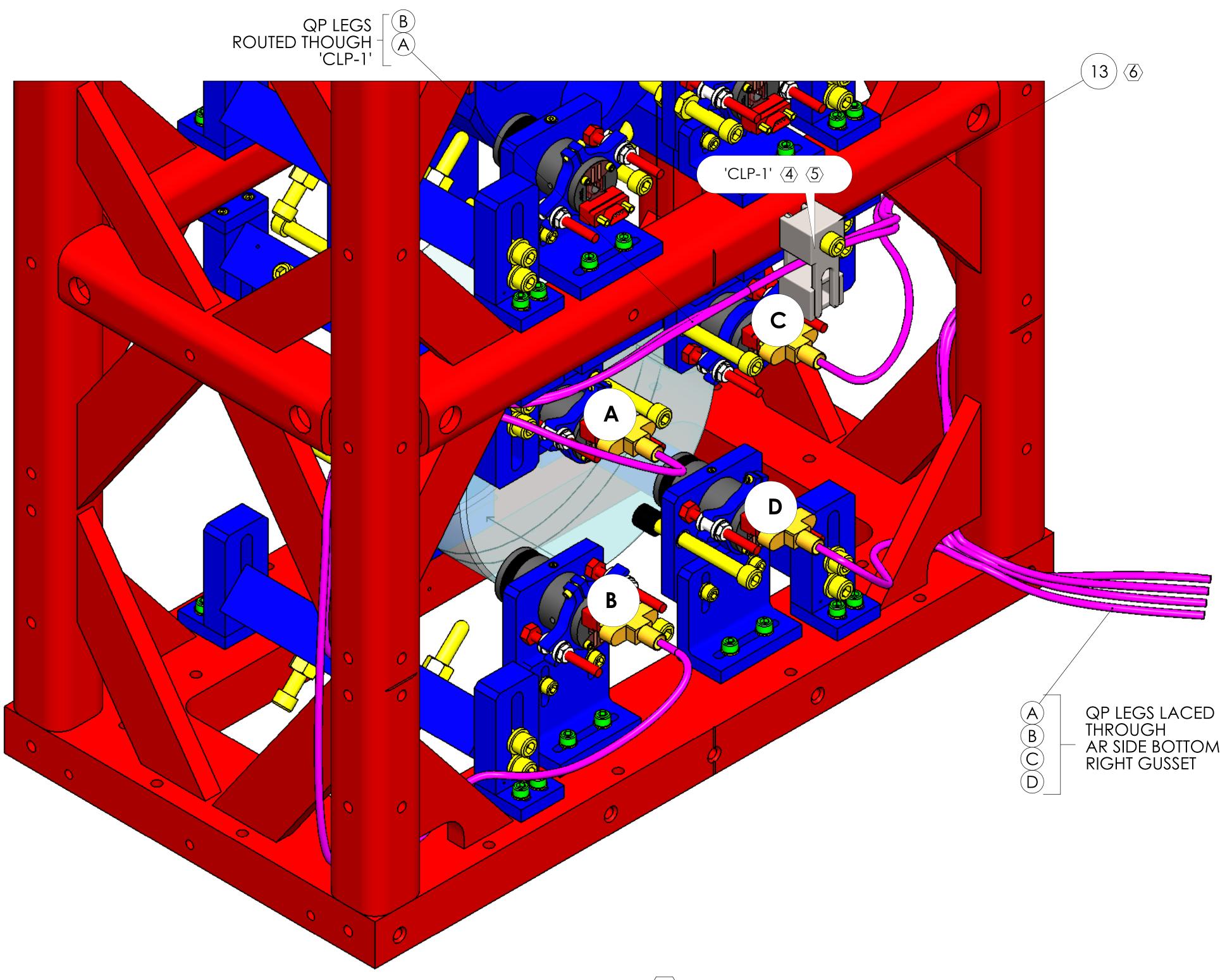
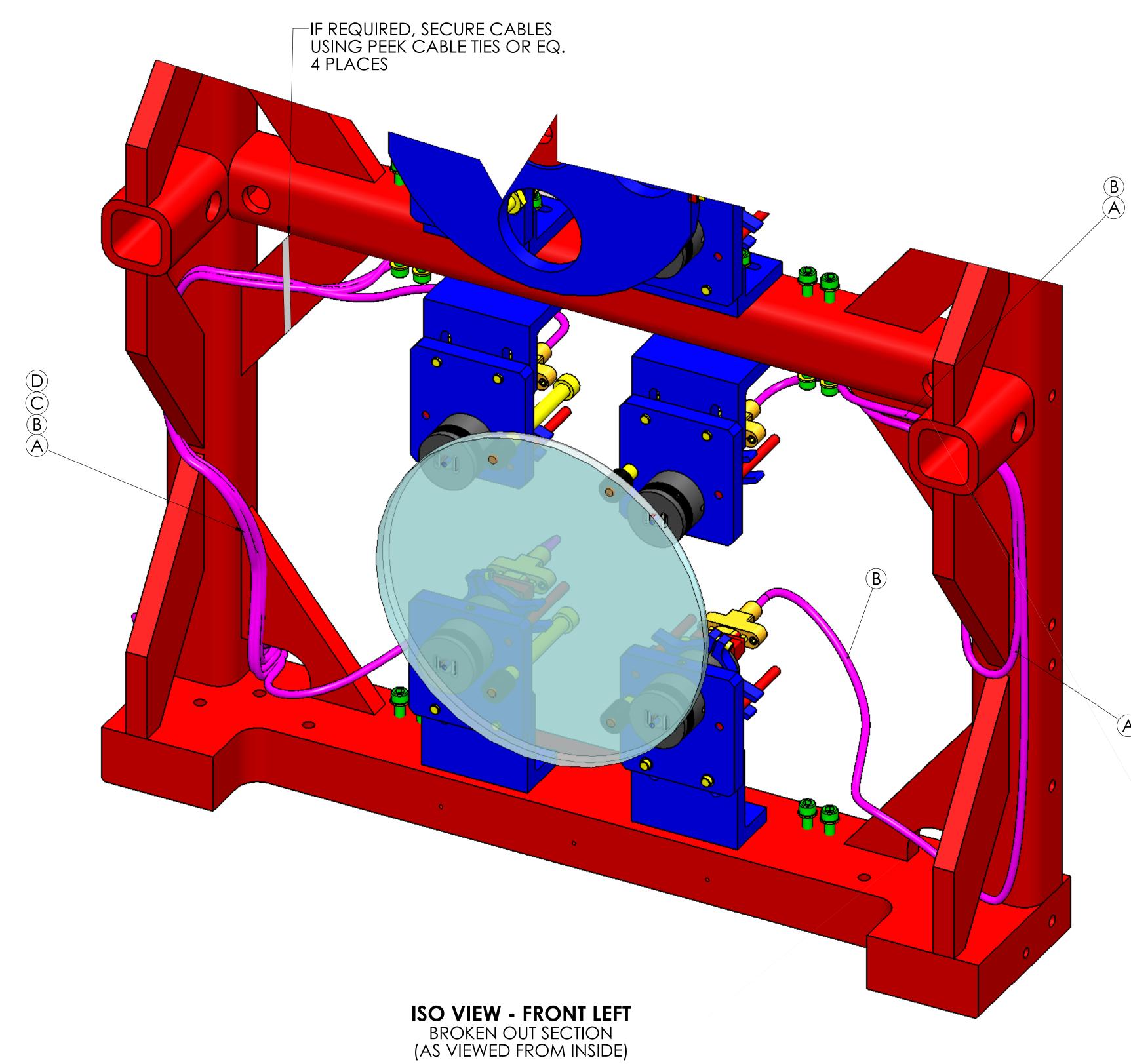


DETAIL B
SCALE 1: 1.5
TOP VIEW SHOWING INSTALLATION PLATE LOCATION (1.6)
OPTICAL TABLE SHOWN FOR STRUCTURE LOCATION AND ORIENTATION, DOG CLAMPS VIBRATION ABSORBERS AND HARDWARE REMOVED FOR CLARITY







AR SIDE $\langle 1.5 \rangle$ ISO VIEW- REAR LEFT(-X)

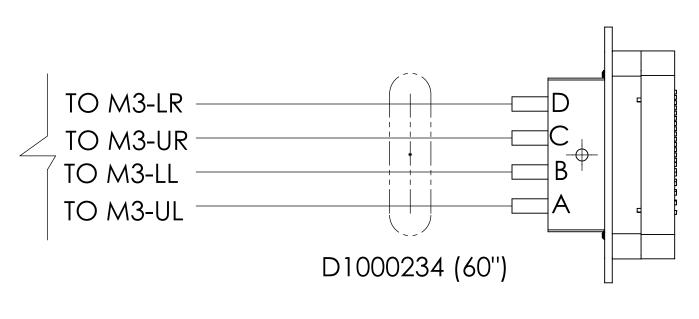


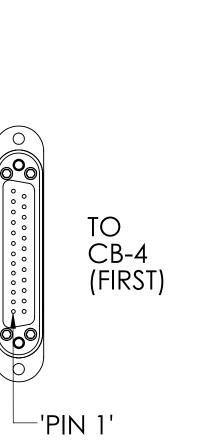
CABLE ROUTING:

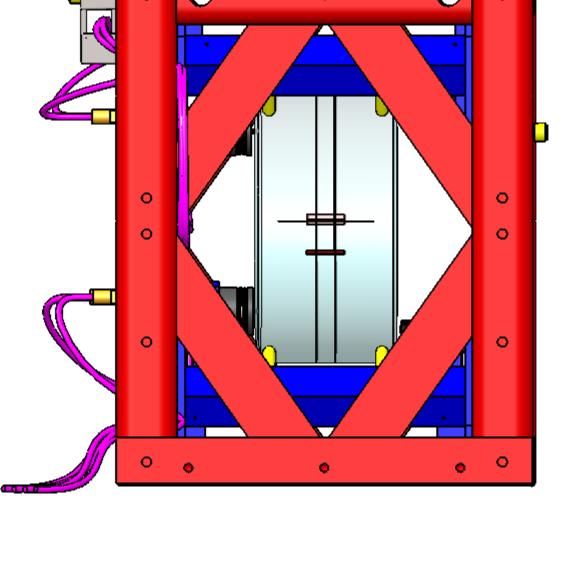
ROUTE ALL CABLES IN ACCORDANCE
WITH LIGO-T1200203 AND T1200318.

CABLE ROUTES DEPICTED
IN THIS DOCUMENT ARE NOT MANDATORY, BUT
RATHER A CONSIDERED ROUTE AIMED TO
CLEAR LASER BEAM PATHS.

ALTERNATE ROUTES FOR PROBLEMATIC AREAS
ARE ACCEPTABLE, BUT SHOULD BE HANDLED
IN A CASE BY CASE SITUATION. IT IS IMPERATIVE
TO CONSIDER THE LENGTH OF THE CABLE, THE
LOCATION OF MATING CABLE BRACKET,
AND LASER BEAM PATH PRIOR TO
ROUTING / LACING VIA A NEW PATH.



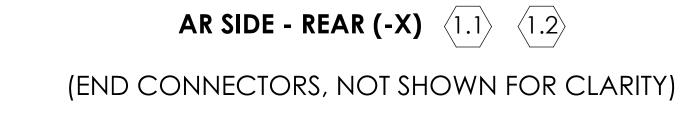




RIGHT SIDE (-Y)

LEFT SIDE (+Y)

- 4 DO NOT CLAMP CABLES TIGHTLY. PROVIDE SUFFICIENT SPACE FOR THE CABLES TO RUN FREELY BETWEEN CLAMP JAWS.
- 5 SHORTING MAY OCCUR IN QP BOSEM & AOSEM TEFLON CABLES CLAMPED EXCESSIVELY TIGHT. THEREFORE, THE PEEK CLAMPS (i.e.: 'CLP-1' AND CABLE TIES) SHOULD SERVE ONLY AS A GUIDE FOR THE CABLES TO REACH THEIR DESTINATION, AND SHOULD NOT CLAMP THE CABLES IN PLACE.
- (6) TORQUE TO APPROXIMATELY 20 IN/LBS.



'M3-LL' (N)

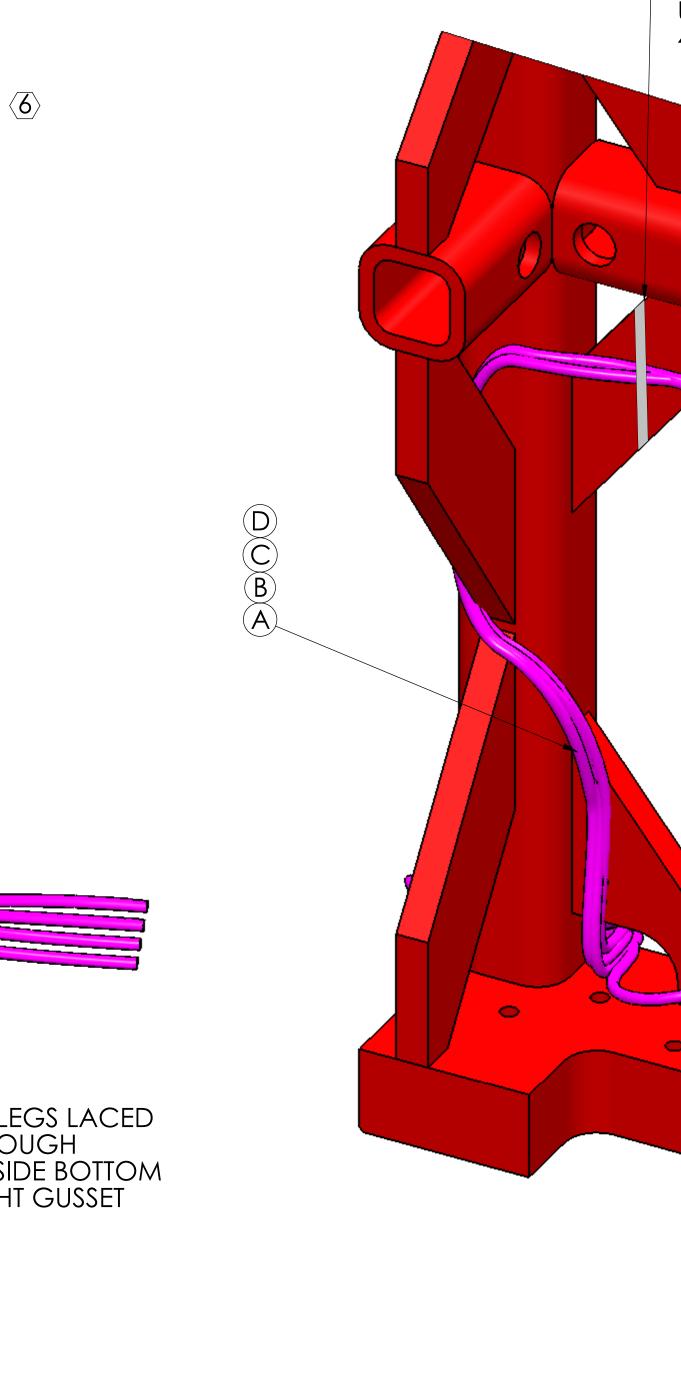
'M3-UR' (N)

'M3-LR' (S)

ROUTE NO.1

SEE LIGO-T1200318 FOR STEP BY STEP CABLING GUIDE





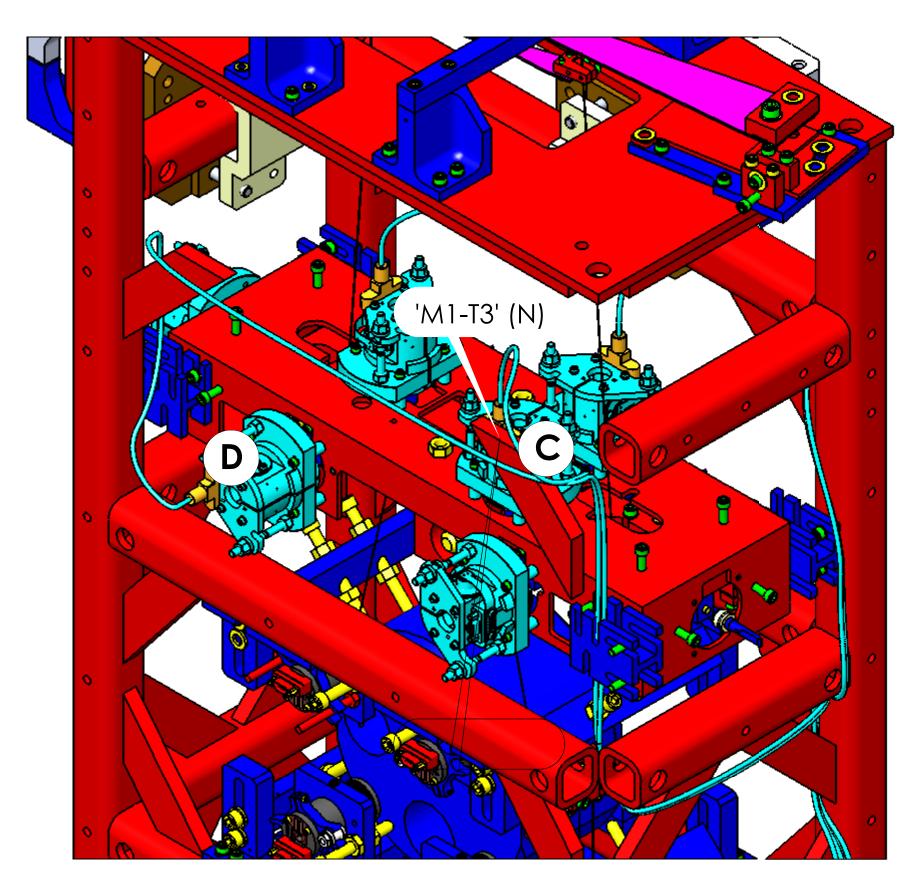
SEE LIGO-T1200318

FOR STEP BY STEP CABLING GUIDE

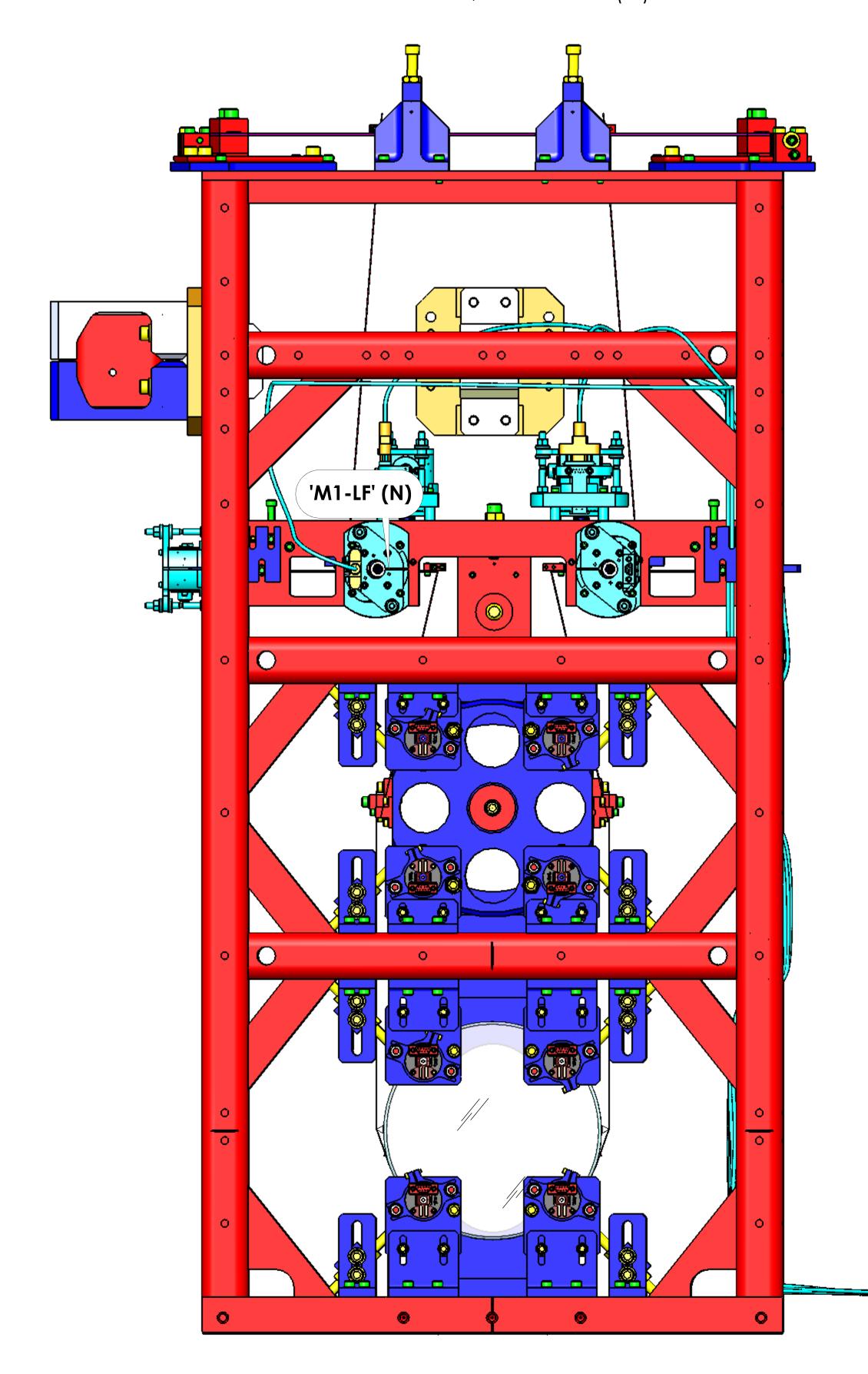
D0901099

PROJECTION:

MC2

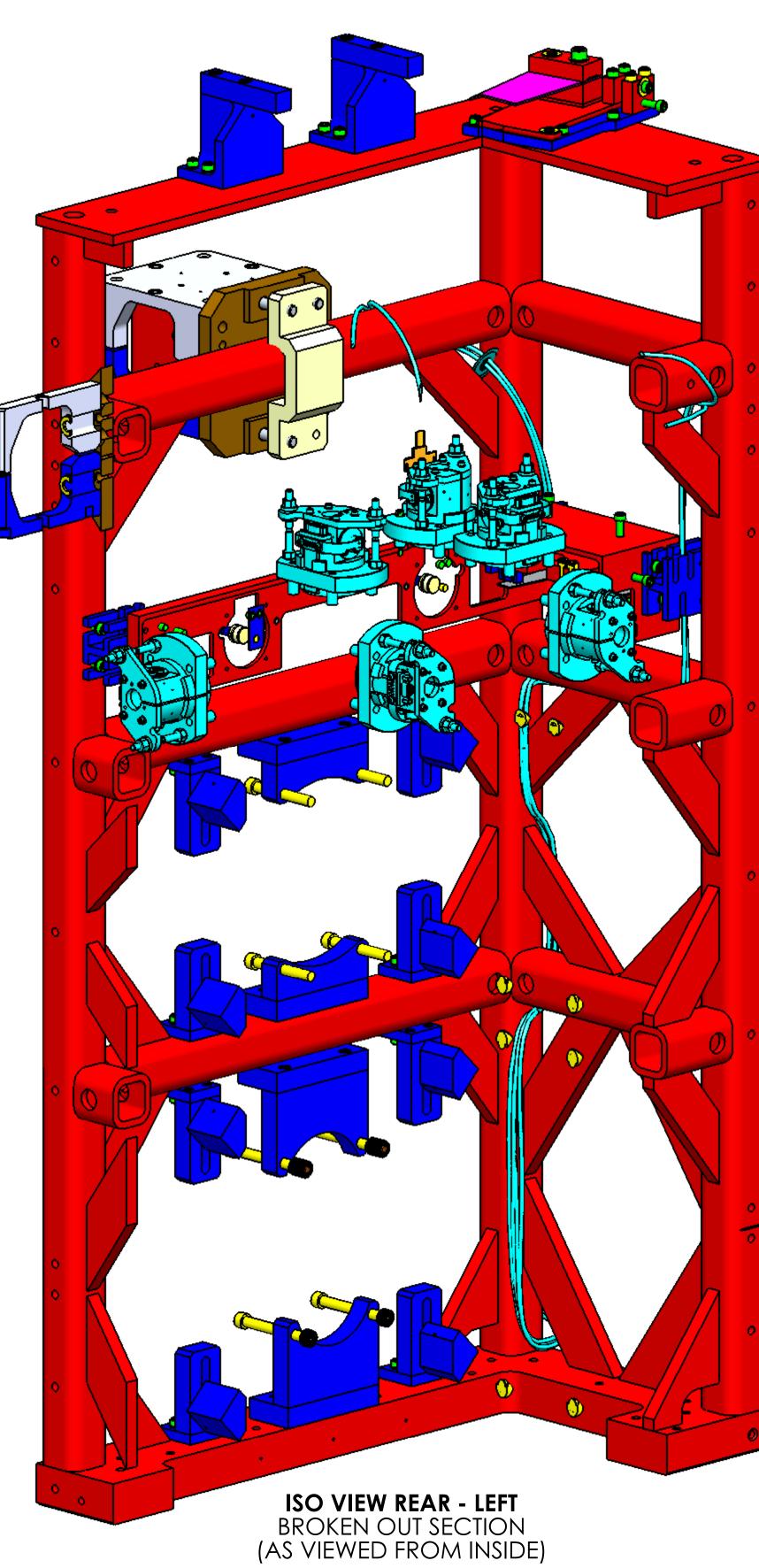


AR SIDE $\langle 1.1 \rangle \langle 1.2 \rangle$ ISO VIEW, REAR - RIGHT (-X)



AR SIDE - REAR (-X) $\langle 1.1 \rangle$ $\langle 1.2 \rangle$

(END CONNECTORS, NOT SHOWN FOR CLARITY)



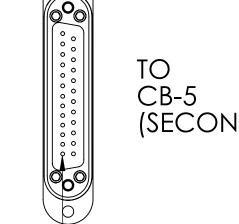


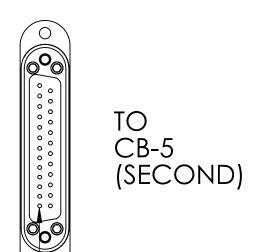
CABLE ROUTING: ROUTE ALL CABLES IN ACCORDANCE
WITH LIGO-T1200203 AND T1200318.

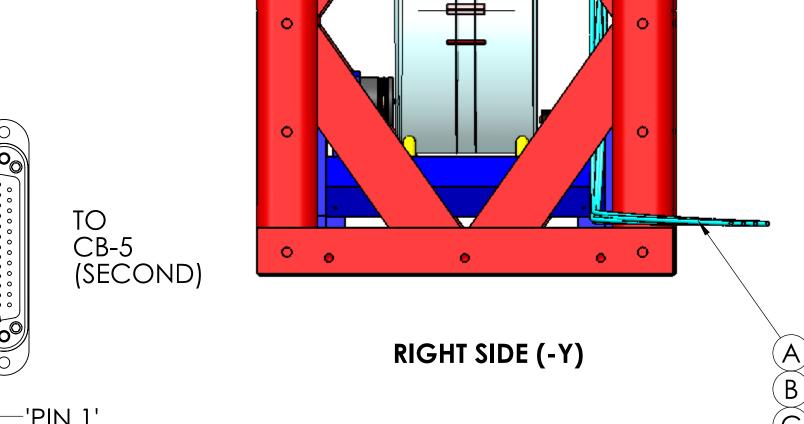
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TO M1-LF TO M1-T3 TO M1-T2 TO M1-T1 D1000234 (78")







IF REQUIRED, SECURE CABLES USING PEEK CABLE TIES OR EQ. –

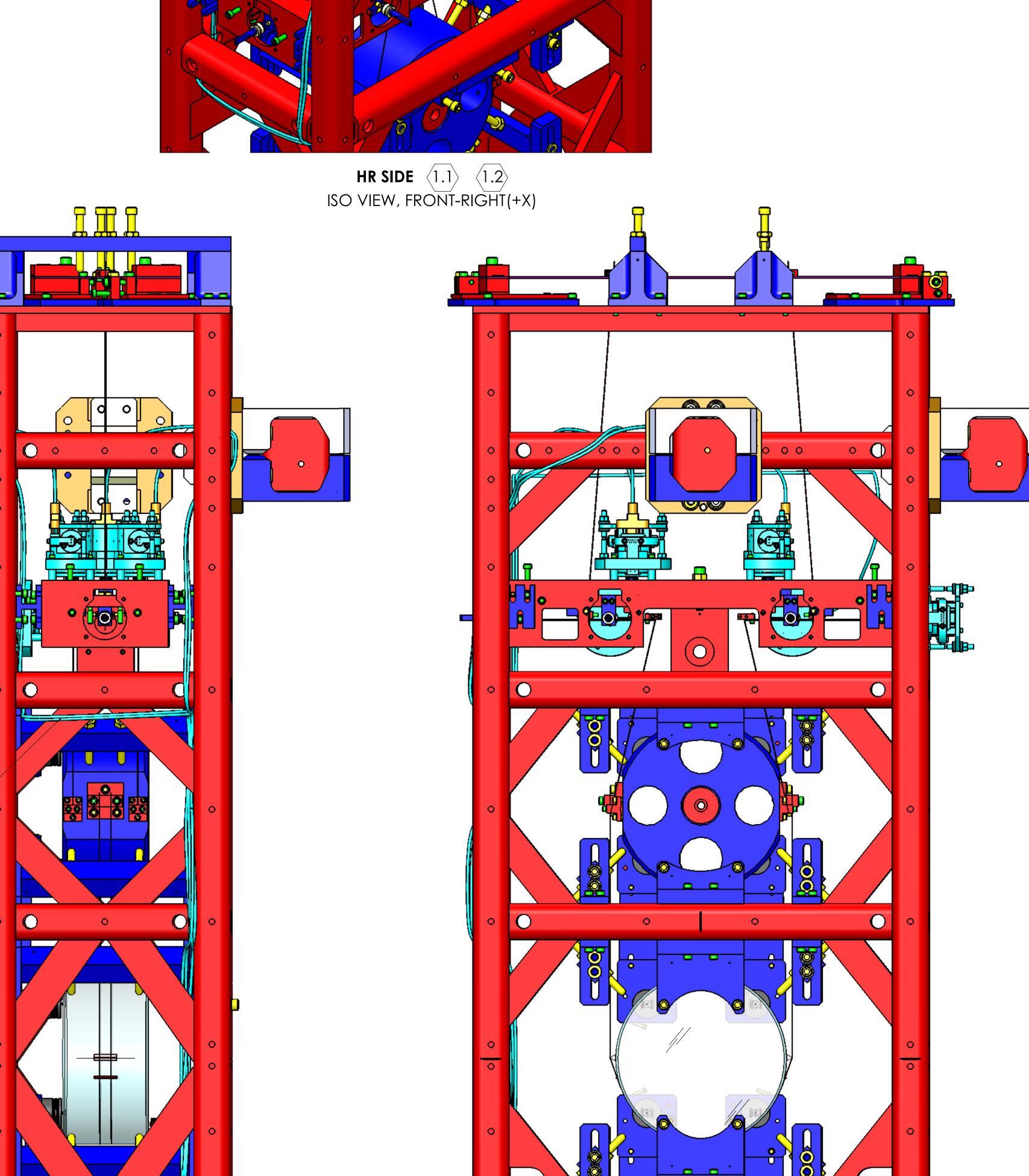


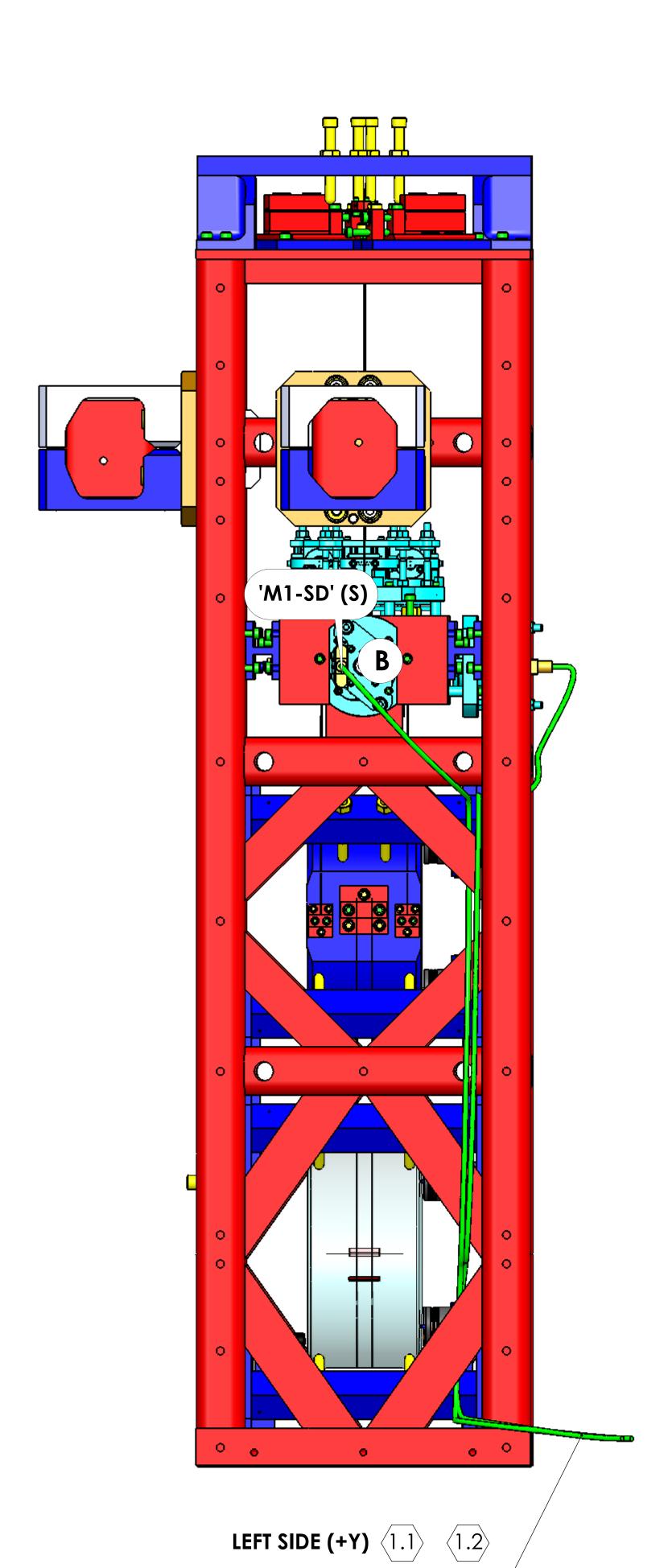
HR SIDE - FRONT (+X)
(END CONNECTORS, NOT SHOWN FOR CLARITY)

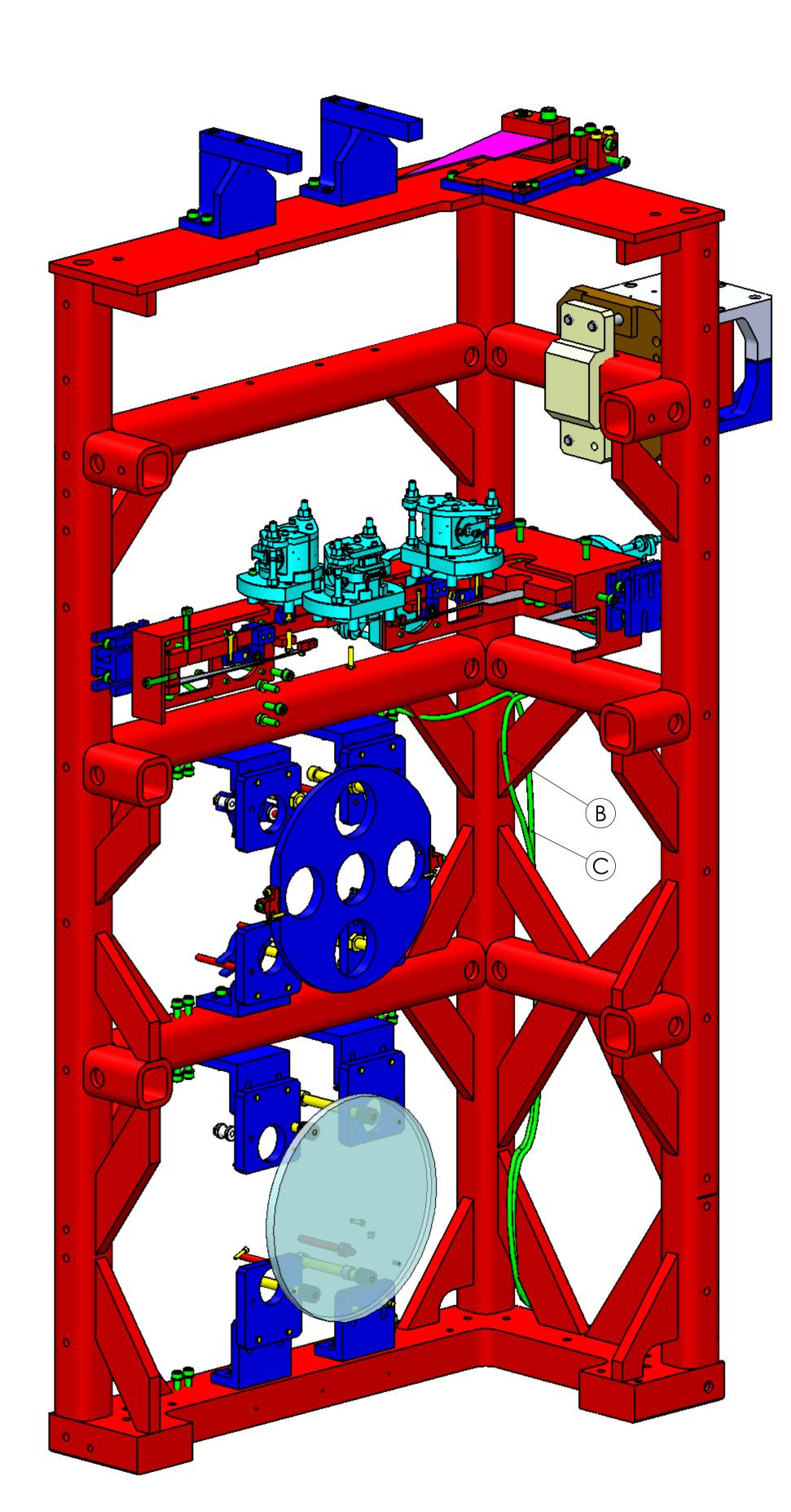
CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY

SEE LIGO-T1200318 FOR STEP BY STEP CABLING GUIDE

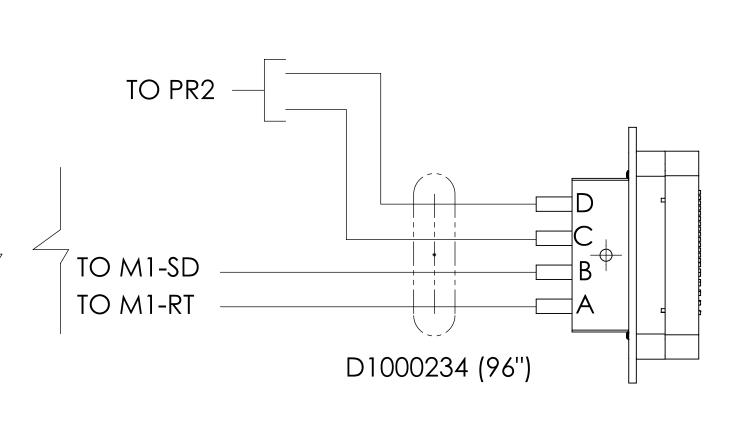
ROUTE NO.3



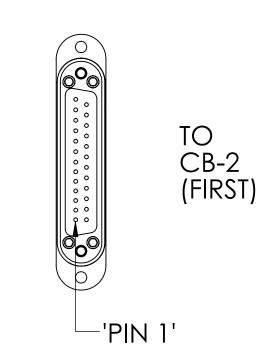




ISO VIEW FRONT - RIHGT BROKEN OUT SECTION (AS VIEWED FROM INSIDE)



QP LEGS LACED THROUGH LEFT SIDE BOTTOM RIGHT GUSSET



ROUTE NO.4 SEE LIGO T1200318 FOR STEP BY STEP CABLING GUIDE

WARNING CABLE ROUTING:

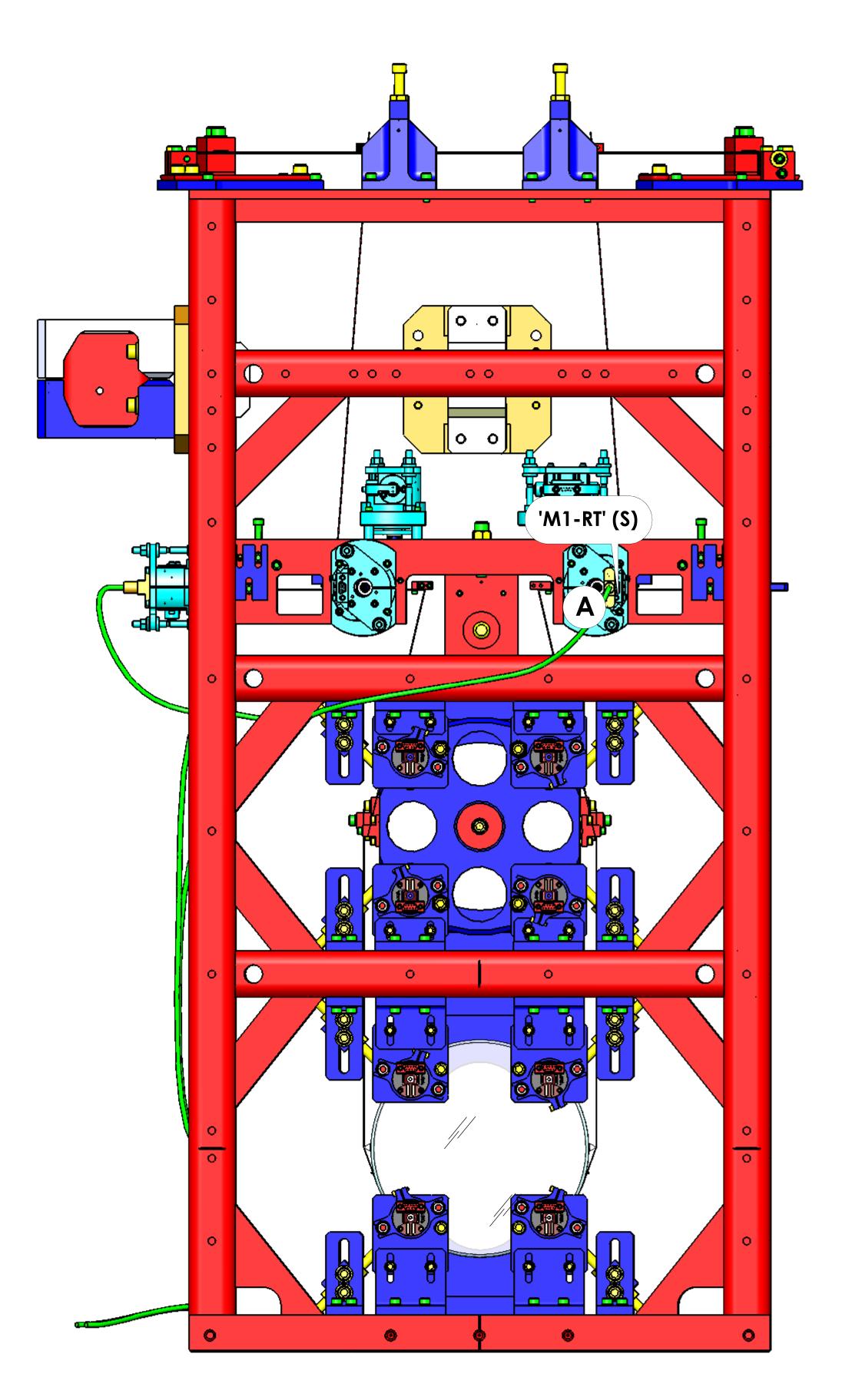
ROUTE ALL CABLES IN ACCORDANCE
WITH LIGO-T1200203 AND T1200318.

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AR SIDE - REAR (-X) $\langle 1.1 \rangle$ $\langle 1.2 \rangle$

(END CONNECTORS, NOT SHOWN FOR CLARITY)

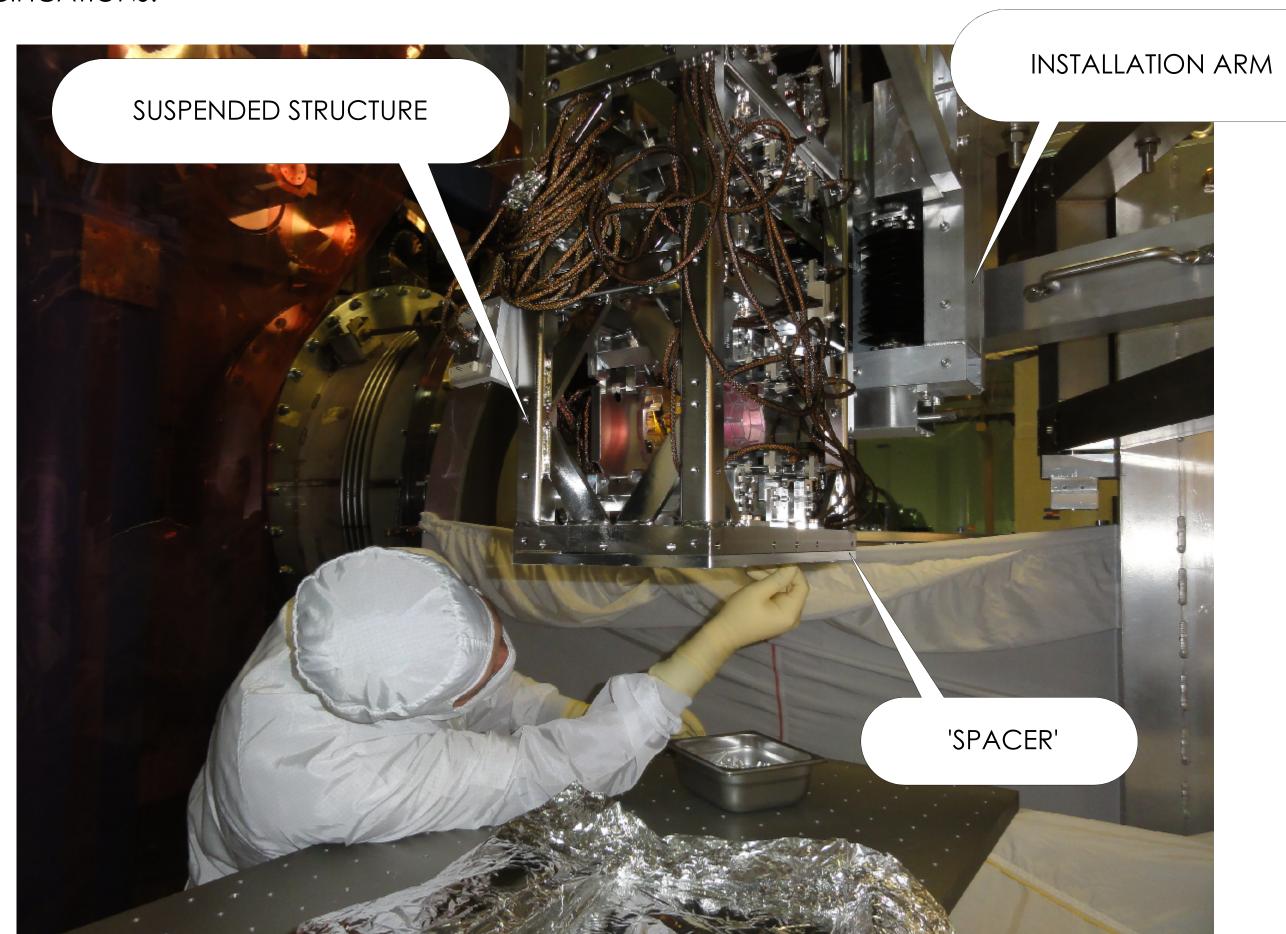
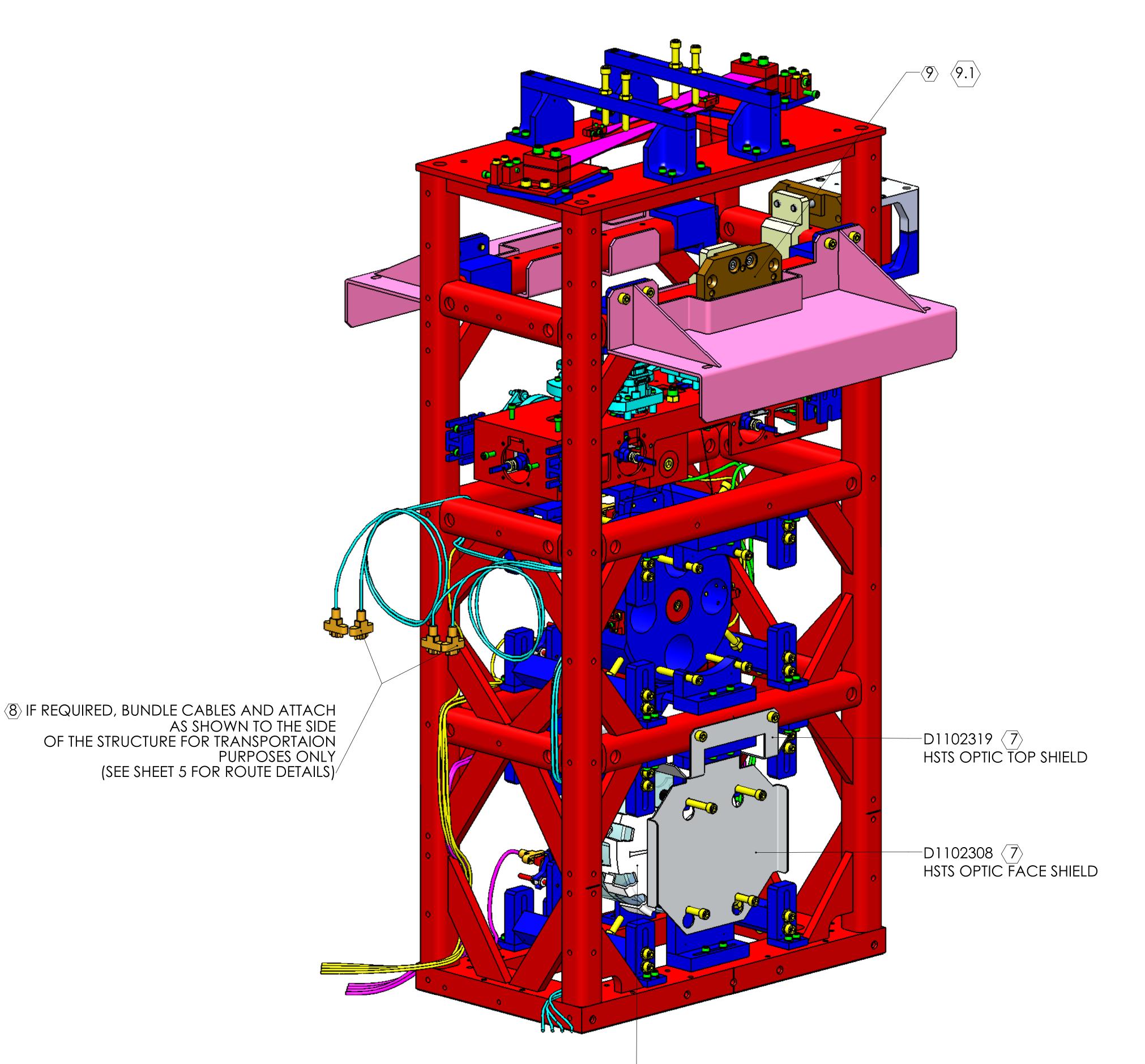


FIG 1.0: SPACER INSTALLATION (10)



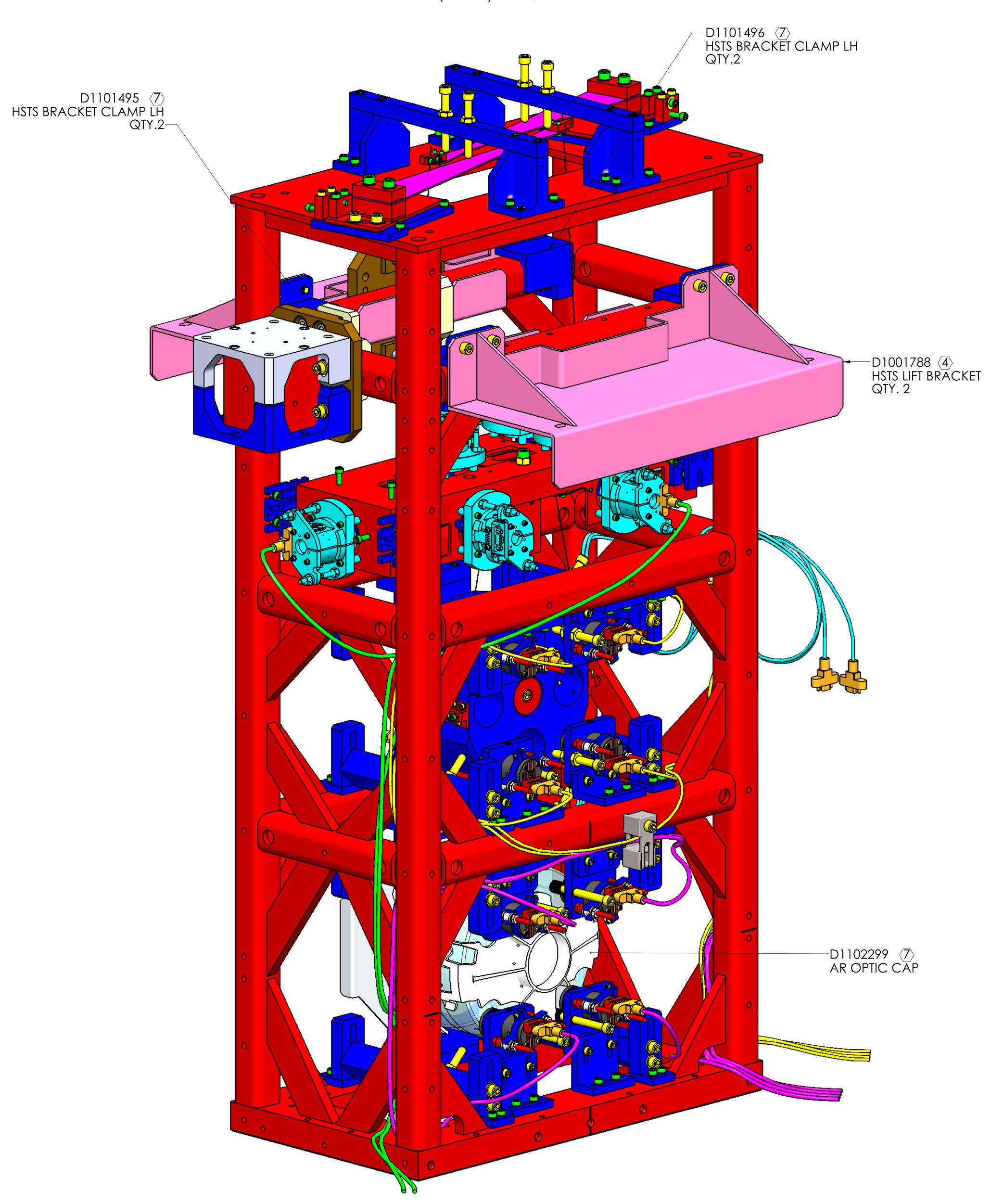
(7) INDICATED ITEMS FOR TRANSPORTATION PURPOSES ONLY. AND ARE NOT PART OF FINISHED ASSEMBLY. SEE D1101674 FOR REFERENCE.

8 REMOVE INDICATED ITEMS FOR TRANSPORTATION PURPOSES. BUNDLE CABLES AS SHOWN.

P REMOVE VIBRATION ABSORVER ON FRONT SIDE TO AVOID INTERFERENCE WITH BRACKET.
9.1 LOCKING PINS: RETAIN IN PLACE FOR TRANSPORTATION AND INSTALLATION ONLY. REVMOCE BEFOR CHAMBER DOORS ARE CLOSED

 $\langle 10 \rangle$ LIFT STRUCTURE VIA INSTALLATION ARM AT CHAMBER SIDE. ATTACH ITEM 2 (SPACER_

ISING ITEM 6 (SCREW). TORQUE TO 75 IN LB. SEE FIG. 1.0 FOR REFERENCE.



AR SIDE ISO VIEW, REAR - LEFT (-X)

HSTS STRUCTURE TRANSP.

VIBRATION ABSORBERS ON FRONT SIDE NOT SHOWN (REMOVED FOR TRANSP. PURPOSES)

D1101143 (7)
HSTS OPTICS CAP

HR SIDE ISO VIEW, FRONT - RIGHT (+X) CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY

E D0901099

