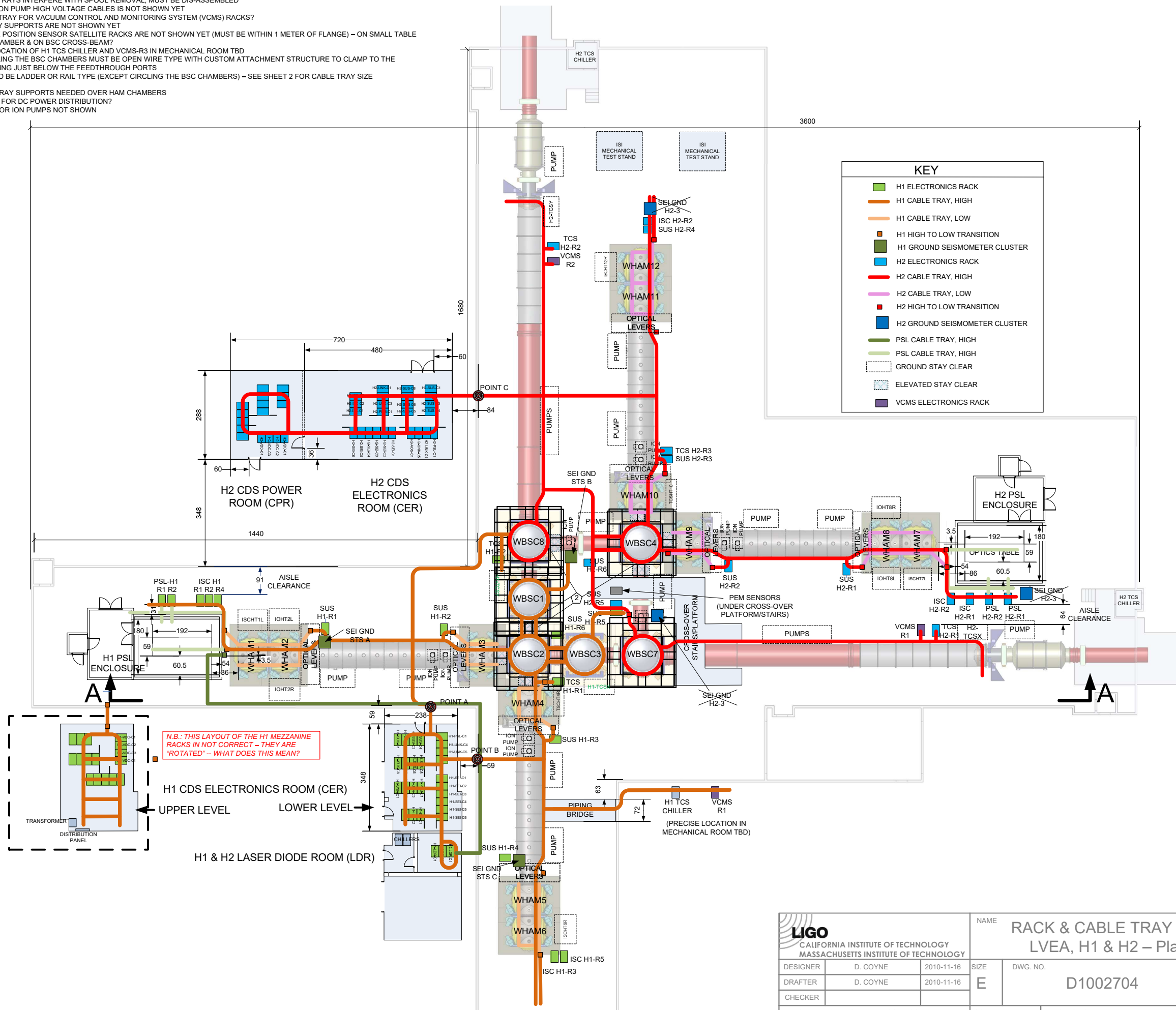
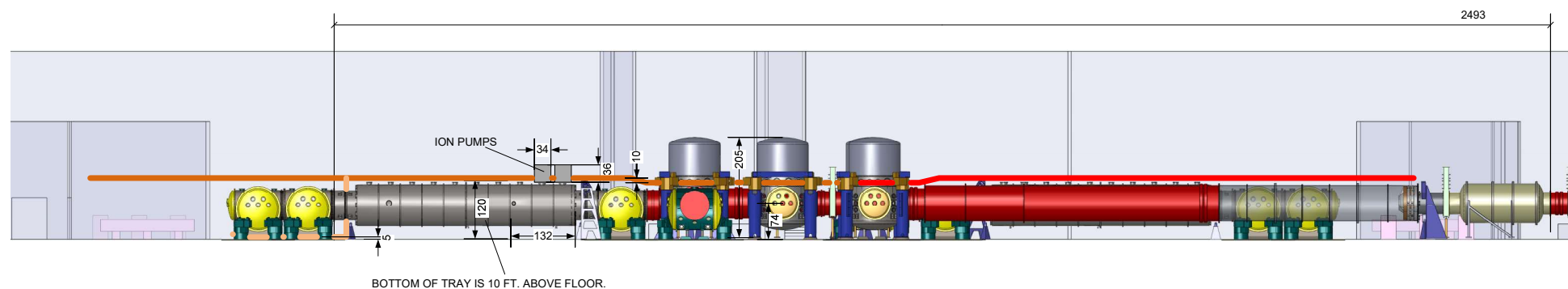


- NOTES:
- 1) ALL DIMENSIONS ARE IN INCHES
 - 2) SOME BSC TRAYS INTERFERE WITH SPOOL REMOVAL; MUST BE DIS-ASSEMBLED
 - 3) TRAY FOR ION PUMP HIGH VOLTAGE CABLES IS NOT SHOWN YET
 - 4) SEPARATE TRAY FOR VACUUM CONTROL AND MONITORING SYSTEM (VCMS) RACKS?
 - 5) CABLE TRAY SUPPORTS ARE NOT SHOWN YET
 - 6) CAPACITIVE POSITION SENSOR SATELLITE RACKS ARE NOT SHOWN YET (MUST BE WITHIN 1 METER OF FLANGE) – ON SMALL TABLE NEAR HAM CHAMBER & ON BSC CROSS-BEAM?
 - 7) PRECISE LOCATION OF H1 TCS CHILLER AND VCMS-R3 IN MECHANICAL ROOM TBD
 - 8) TRAY CIRCLING THE BSC CHAMBERS MUST BE OPEN WIRE TYPE WITH CUSTOM ATTACHMENT STRUCTURE TO CLAMP TO THE STIFFENING RING JUST BELOW THE FEEDTHROUGH PORTS
 - 9) ALL TRAY TO BE LADDER OR RAIL TYPE (EXCEPT CIRCLING THE BSC CHAMBERS) – SEE SHEET 2 FOR CABLE TRAY SIZE INFORMATION
 - 10) CUSTOM TRAY SUPPORTS NEEDED OVER HAM CHAMBERS
 - 11) CONDUITS FOR DC POWER DISTRIBUTION?
 - 12) HV TRAY FOR ION PUMPS NOT SHOWN




N.B.: THIS LAYOUT OF THE H1 MEZZANINE RACKS IS NOT CORRECT – THEY ARE "ROTATED" – WHAT DOES THIS MEAN?

 CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY			NAME RACK & CABLE TRAY LAYOUT, LVEA, H1 & H2 – Plan View		
DESIGNER	D. COYNE	2010-11-16	SIZE	DWG. NO.	REV
DRAFTER	D. COYNE	2010-11-16	E	D1002704	V6
CHECKER					
FOR APPROVAL SEE THE DCC RECORD			SCALE:	PROJECTION:	SHEET 1 OF 5



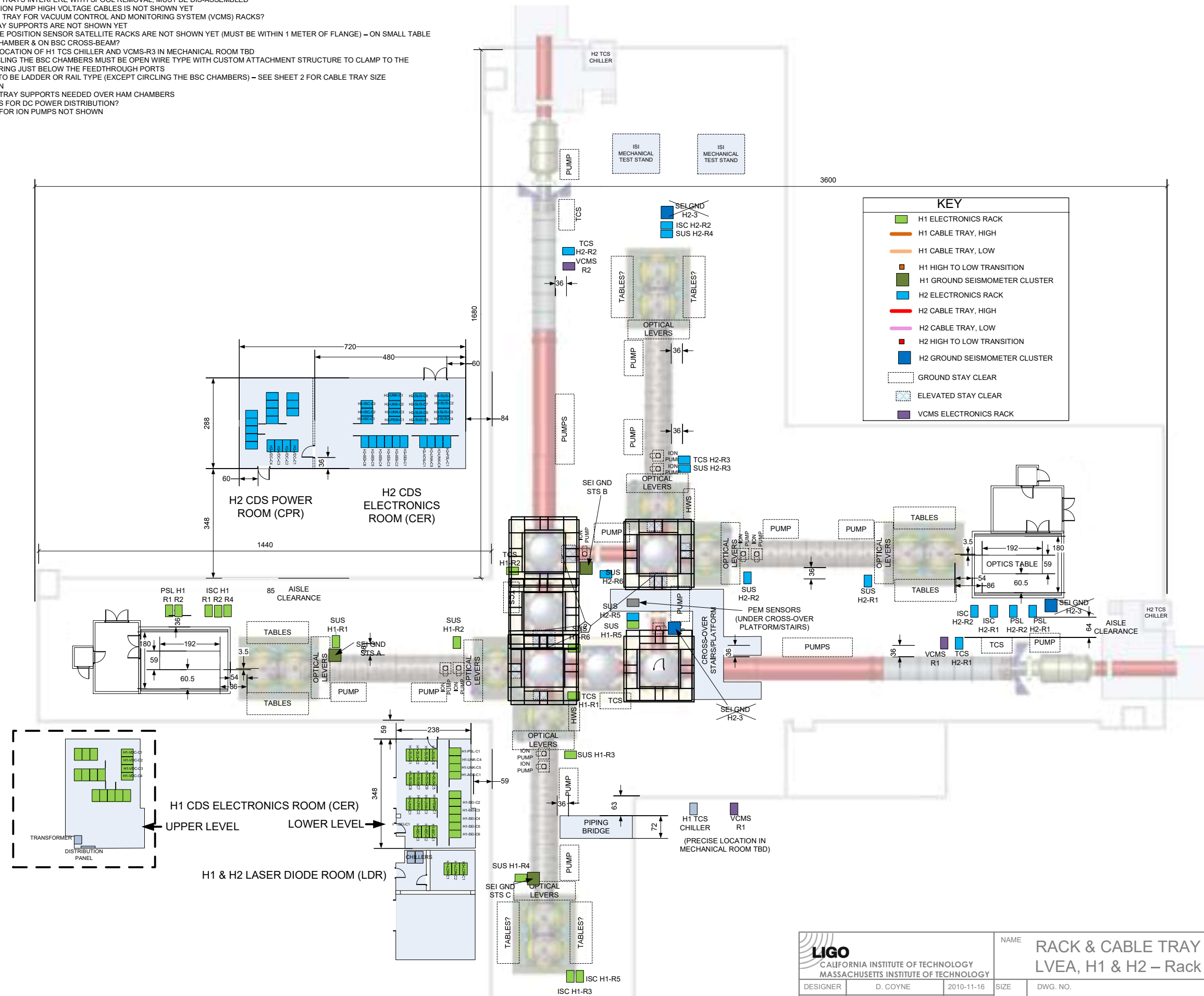
SECTION A-A

NOTE: CABLE TRAY IS ONLY SHOWN ALONG THE H1 A-ARM FOR CLARITY.

 LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY			NAME RACK & CABLE TRAY LAYOUT, LVEA, H1 & H2 -- Elevations		
DESIGNER	D. COYNE	2010-11-16	SIZE	DWG. NO.	REV
DRAFTER	D. COYNE	2010-11-16	E	D1002704	V6
CHECKER					
FOR APPROVAL SEE THE DCC RECORD			SCALE:	PROJECTION:	SHEET 2 OF 5

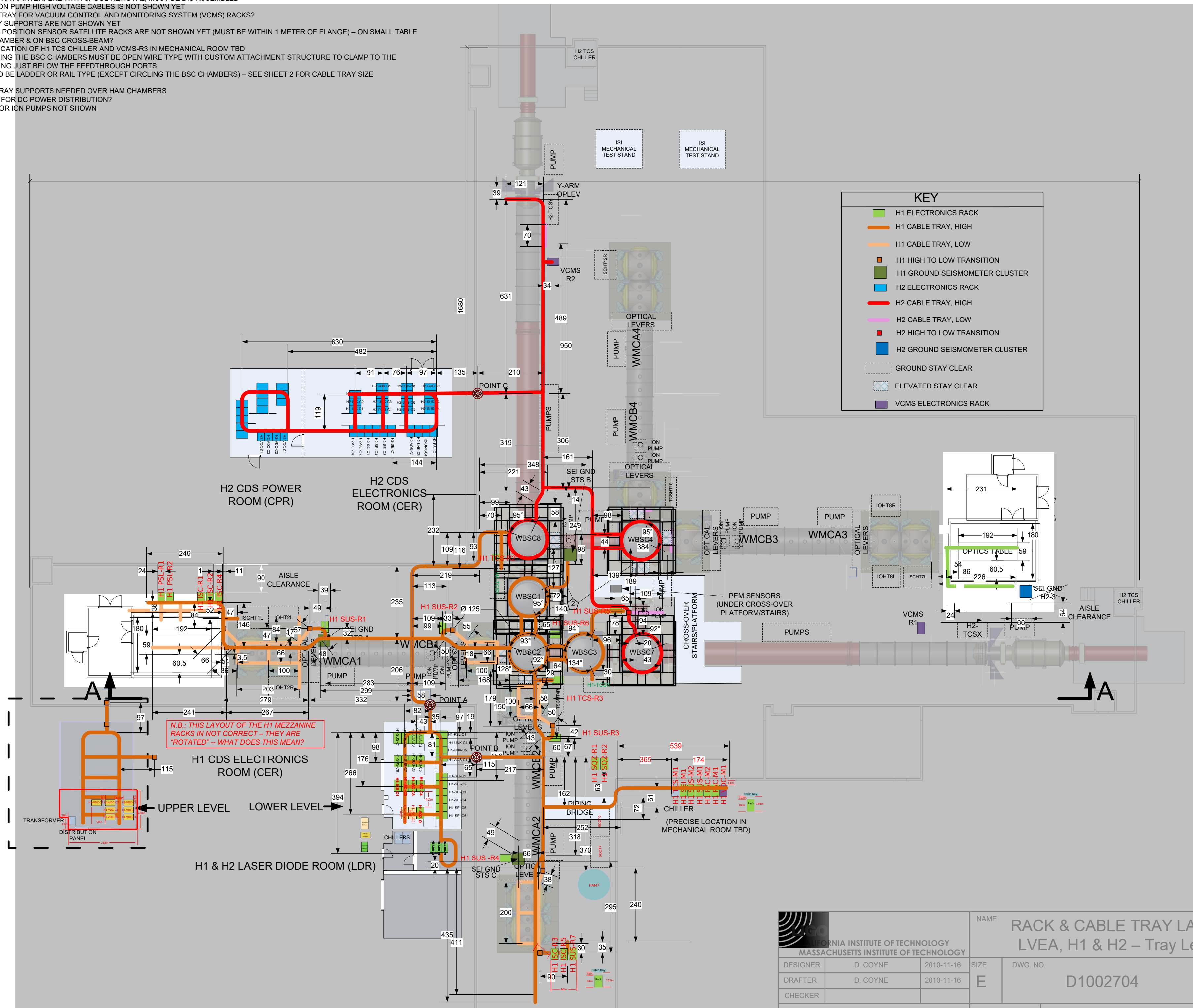
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- 1) ALL DIMENSIONS ARE IN INCHES
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- 10) CUSTOM TRAY SUPPORTS NEEDED OVER HAM CHAMBERS
- 11) CONDUITS FOR DC POWER DISTRIBUTION?
- 12) HV TRAY FOR ION PUMPS NOT SHOWN

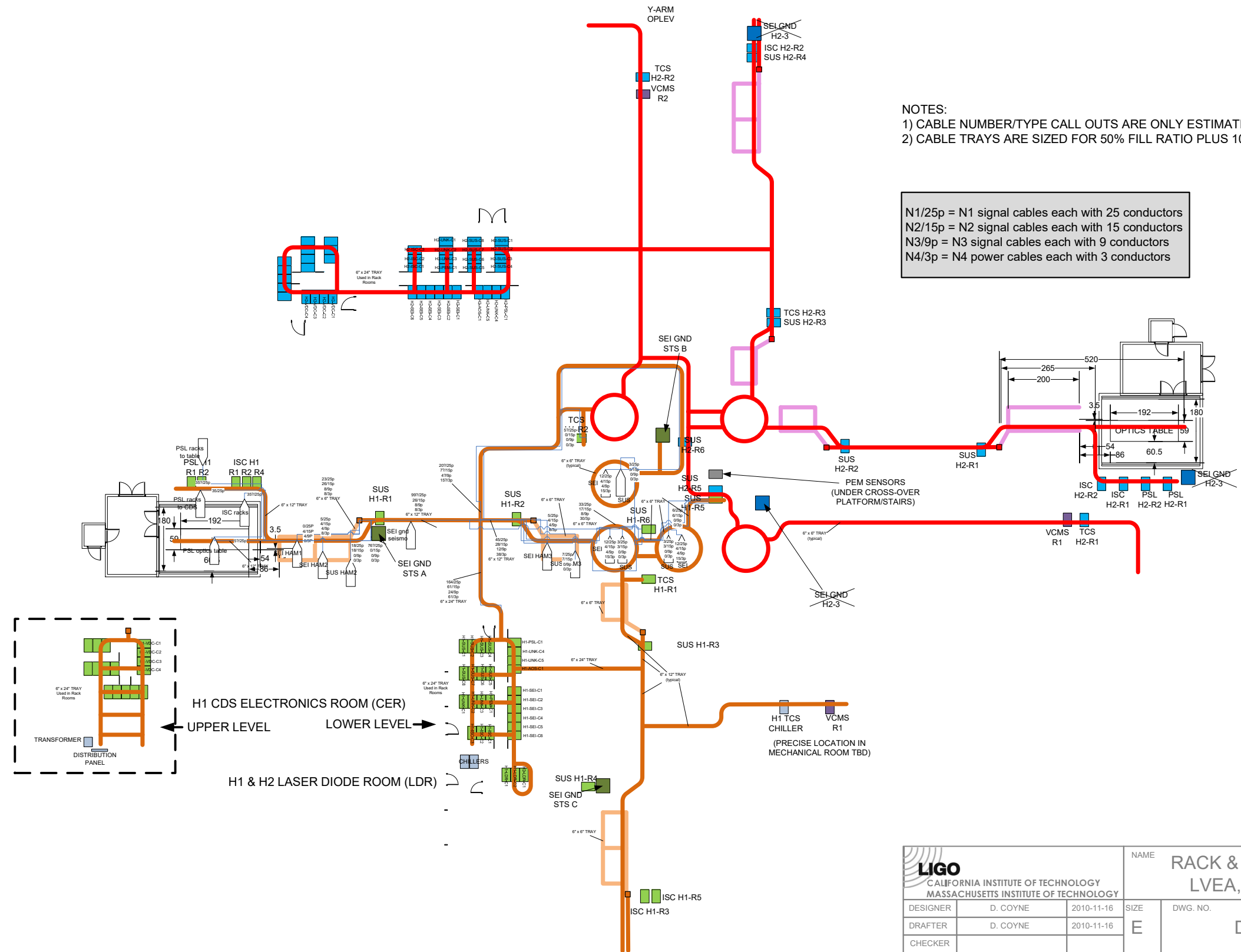


 CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY		NAME RACK & CABLE TRAY LAYOUT, LVEA, H1 & H2 – Rack Locations	
DESIGNER	D. COYNE	SIZE	DWG. NO.
DRAFTER	D. COYNE	E	D1002704
CHECKER			REV V6
FOR APPROVAL SEE THE DCC RECORD		SCALE:	PROJECTION:
		SHEET 3 OF 5	

- NOTES:
- 1) ALL DIMENSIONS ARE IN INCHES
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 - 11) CONDUITS FOR DC POWER DISTRIBUTION?
 - 12) HV TRAY FOR ION PUMPS NOT SHOWN

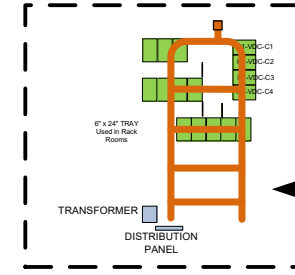
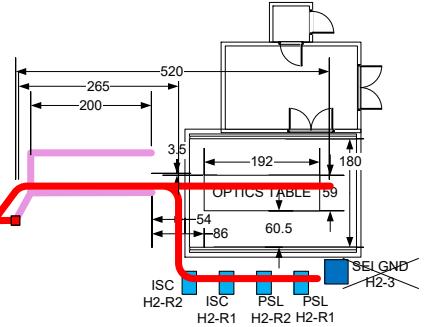


		NAME RACK & CABLE TRAY LAYOUT, LVEA, H1 & H2 – Tray Lengths					
DESIGNER	D. COYNE	2010-11-16	SIZE	DWG. NO.	E D1002704	REV	V7
DRAFTER	D. COYNE	2010-11-16					
CHECKER							
FOR APPROVAL SEE THE DCC RECORD				SCALE:	PROJECTION:	SHEET 4 OF 5	



NOTES:
 1) CABLE NUMBER/TYPE CALL OUTS ARE ONLY ESTIMATES.
 2) CABLE TRAYS ARE SIZED FOR 50% FILL RATIO PLUS 100% SPARE CAPACITY

N1/25p = N1 signal cables each with 25 conductors
 N2/15p = N2 signal cables each with 15 conductors
 N3/9p = N3 signal cables each with 9 conductors
 N4/3p = N4 power cables each with 3 conductors



H1 CDS ELECTRONICS ROOM (CER)
 UPPER LEVEL
 LOWER LEVEL
 H1 & H2 LASER DIODE ROOM (LDR)

 CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY		NAME RACK & CABLE TRAY LAYOUT, LVEA, H1 & H2 – Tray Sizes	
DESIGNER D. COYNE	2010-11-16	SIZE E	REV V6
DRAFTER D. COYNE	2010-11-16	DWG. NO. D1002704	
CHECKER		SCALE:	PROJECTION:
FOR APPROVAL SEE THE DCC RECORD		SHEET 5 OF 5	