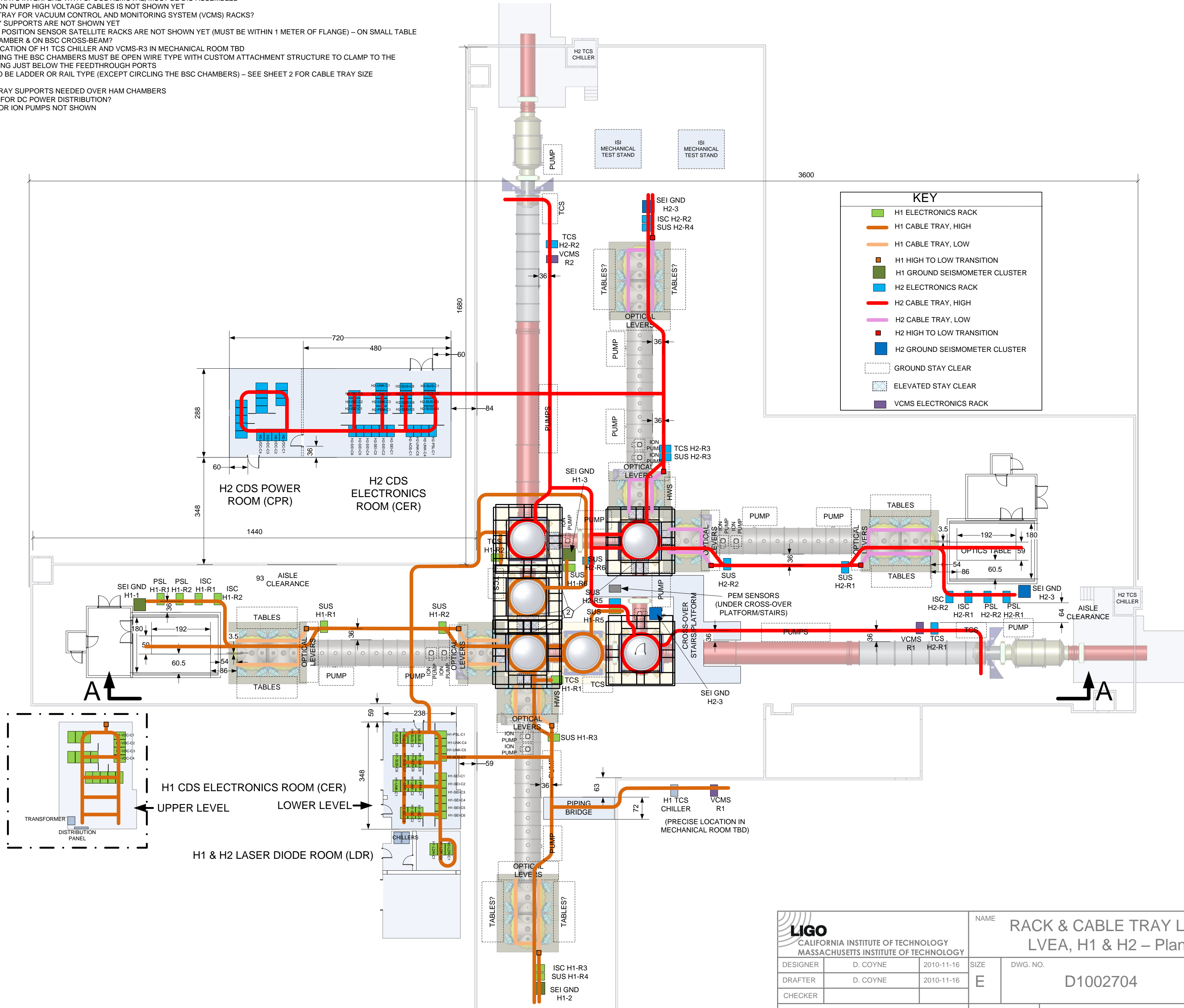


NOTES:

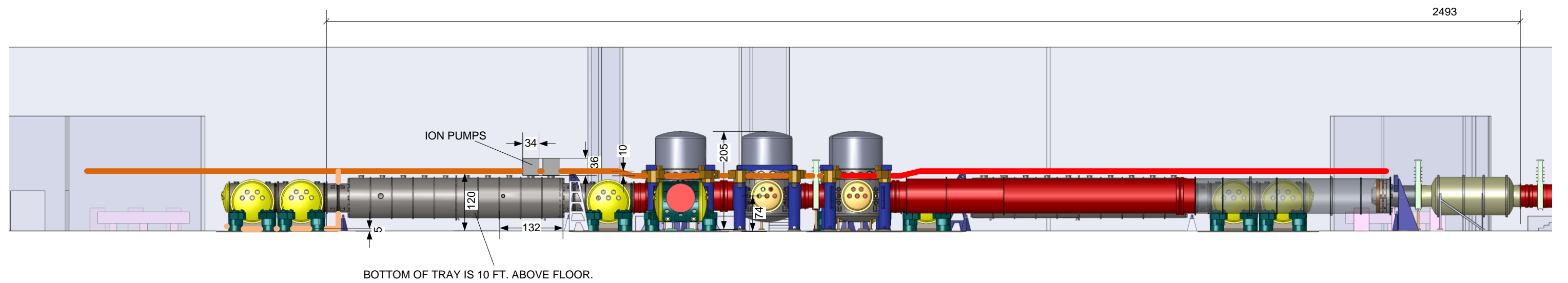
- 1) ALL DIMENSIONS ARE IN INCHES
- 2) SOME BSC TRAYS INTERFERE WITH SPOOL REMOVAL; MUST BE DIS-ASSEMBLED
- 3) TRAY FOR ION PUMP HIGH VOLTAGE CABLES IS NOT SHOWN YET
- 4) SEPARATE TRAY FOR VACUUM CONTROL AND MONITORING SYSTEM (VCMS) RACKS?
- 5) CABLE TRAY SUPPORTS ARE NOT SHOWN YET
- 6) CAPACITIVE POSITION 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



KEY


- H1 ELECTRONICS RACK
- H1 CABLE TRAY, HIGH
- H1 CABLE TRAY, LOW
- H1 HIGH TO LOW TRANSITION
- H1 GROUND SEISMOMETER CLUSTER
- H2 ELECTRONICS RACK
- H2 CABLE TRAY, HIGH
- H2 CABLE TRAY, LOW
- H2 HIGH TO LOW TRANSITION
- H2 GROUND SEISMOMETER CLUSTER
- GROUND STAY CLEAR
- ELEVATED STAY CLEAR
- VCMS ELECTRONICS RACK

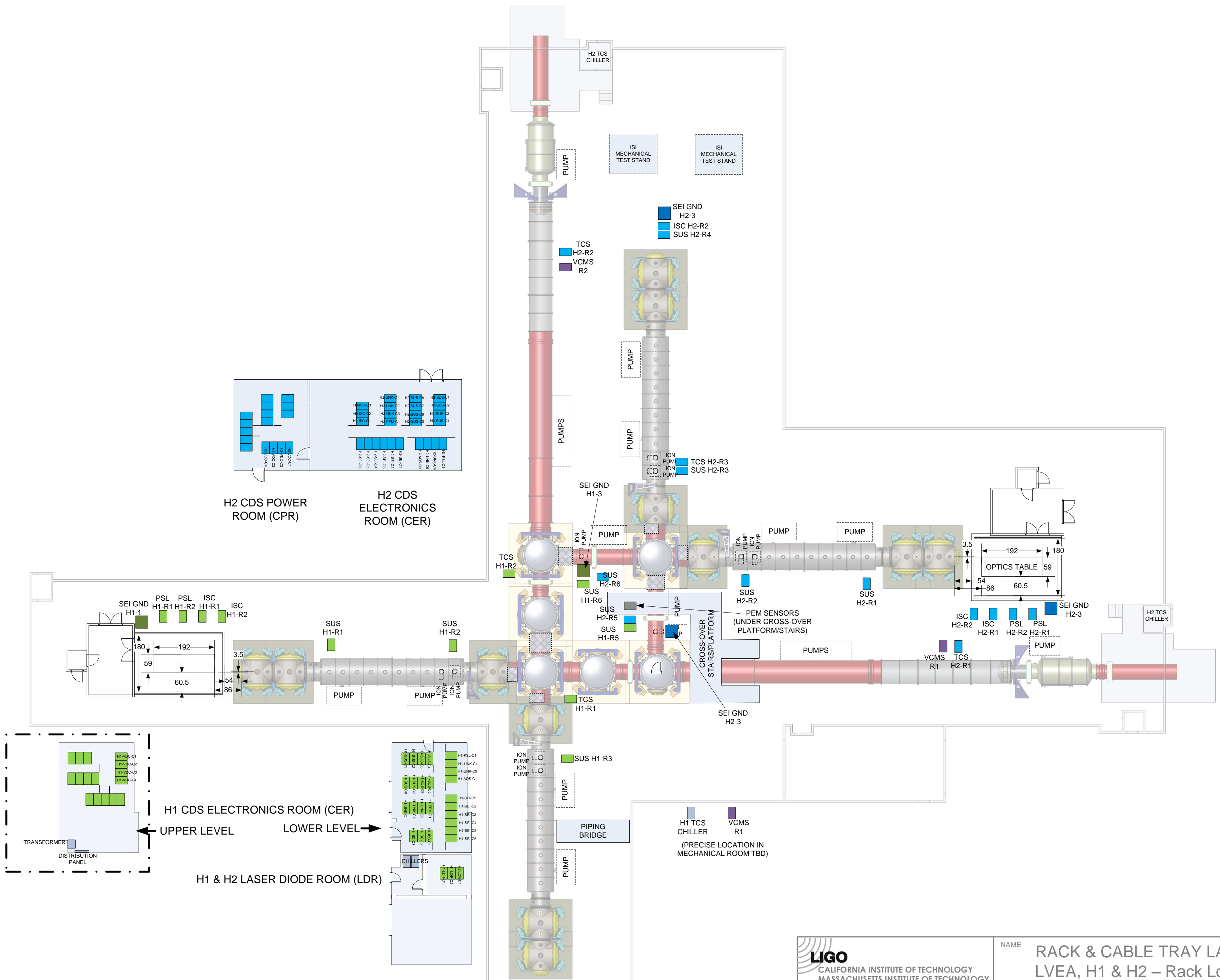
<p>LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY</p>			NAME		RACK & CABLE TRAY LAYOUT, LVEA, H1 & H2 – Plan View	
			DESIGNER	D. COYNE	2010-11-16	SIZE
FOR APPROVAL SEE THE DCC RECORD			SCALE:	PROJECTION:	SHEET 1 OF 5	



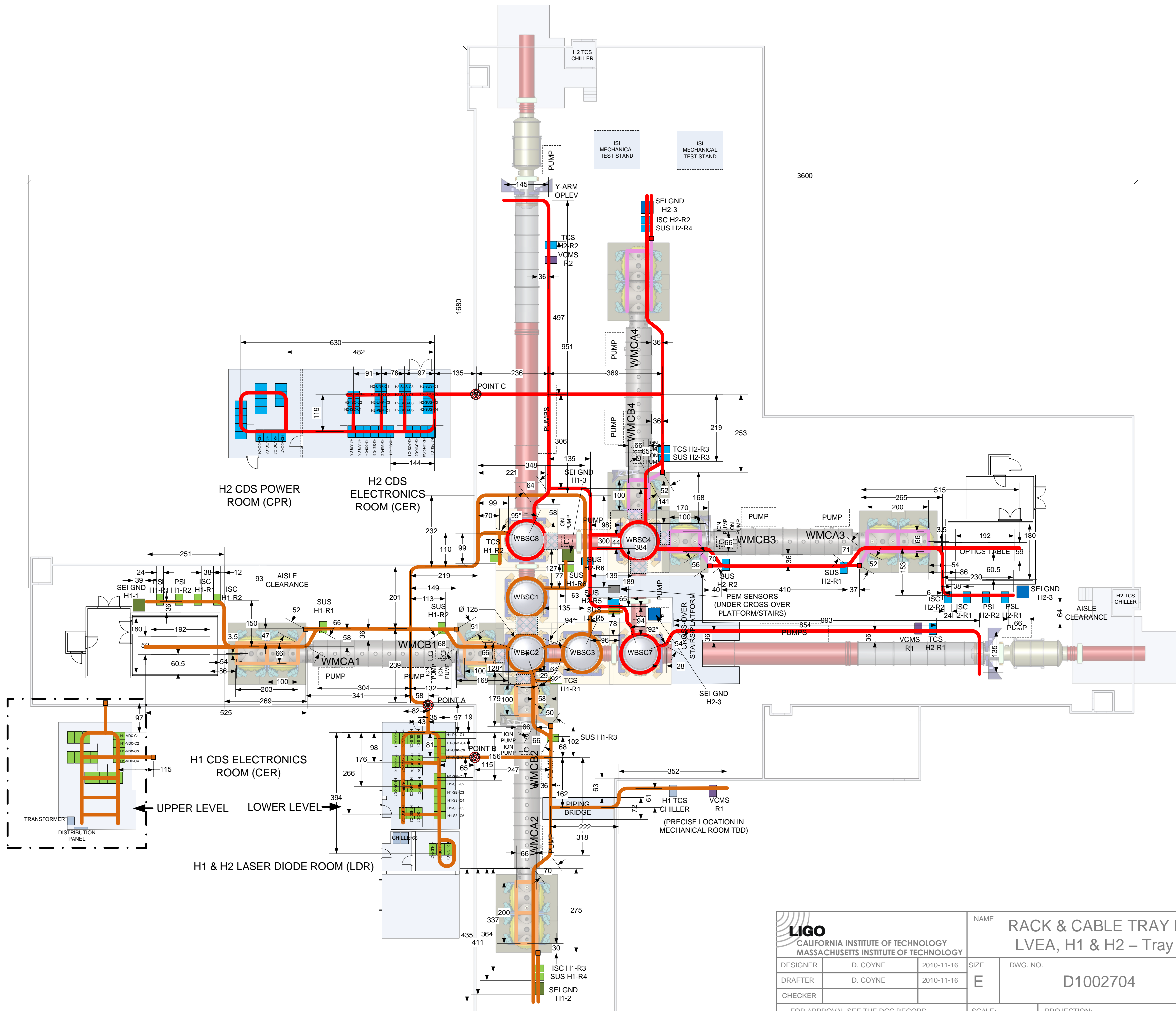
SECTION A-A

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

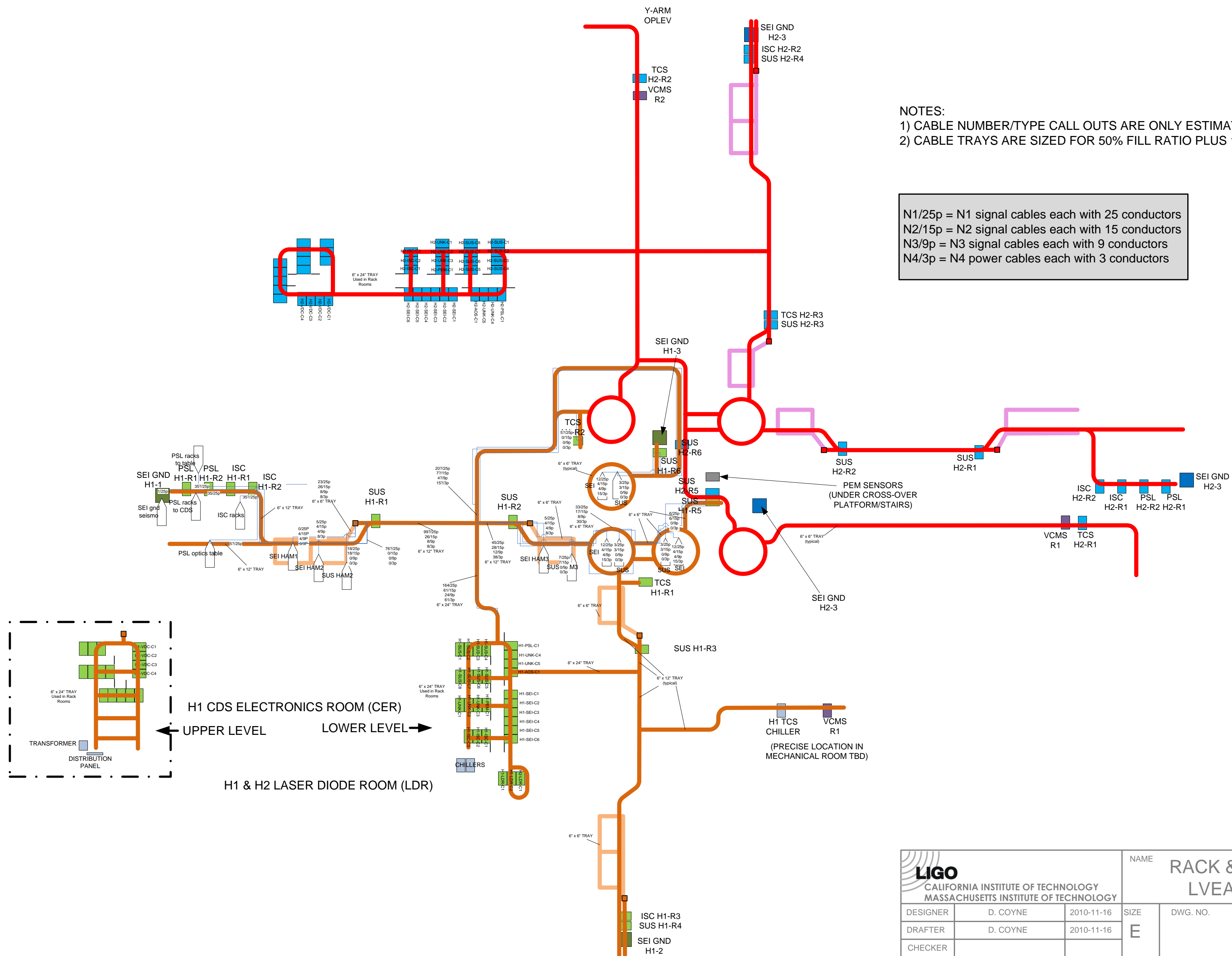
 LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY			NAME RACK & CABLE TRAY LAYOUT, LVEA, H1 & H2 -- Elevations		
DESIGNER	D. COYNE	2010-11-16	SIZE	DWG. NO.	REV
DRAFTER	D. COYNE	2010-11-16	E	D1002704	V3
CHECKER					
FOR APPROVAL SEE THE DCC RECORD			SCALE:	PROJECTION:	SHEET 2 OF 5



 LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY			NAME RACK & CABLE TRAY LAYOUT, LVEA, H1 & H2 – Rack Locations		
DESIGNER	D. COYNE	2010-11-16	SIZE	DWG. NO.	REV
DRAFTER	D. COYNE	2010-11-16	E	D1002704	V3
CHECKER					
FOR APPROVAL SEE THE DCC RECORD			SCALE:	PROJECTION:	SHEET 3 OF 5



 LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY			NAME: RACK & CABLE TRAY LAYOUT, LVEA, H1 & H2 – Tray Lengths		
DESIGNER	D. COYNE	2010-11-16	SIZE	DWG. NO.	REV
DRAFTER	D. COYNE	2010-11-16	E	D1002704	V3
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

 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	DWG. NO.	REV
DRAFTER	D. COYNE	2010-11-16	E	D1002704	V3
CHECKER					
FOR APPROVAL SEE THE DCC RECORD			SCALE:	PROJECTION:	SHEET 5 OF 5