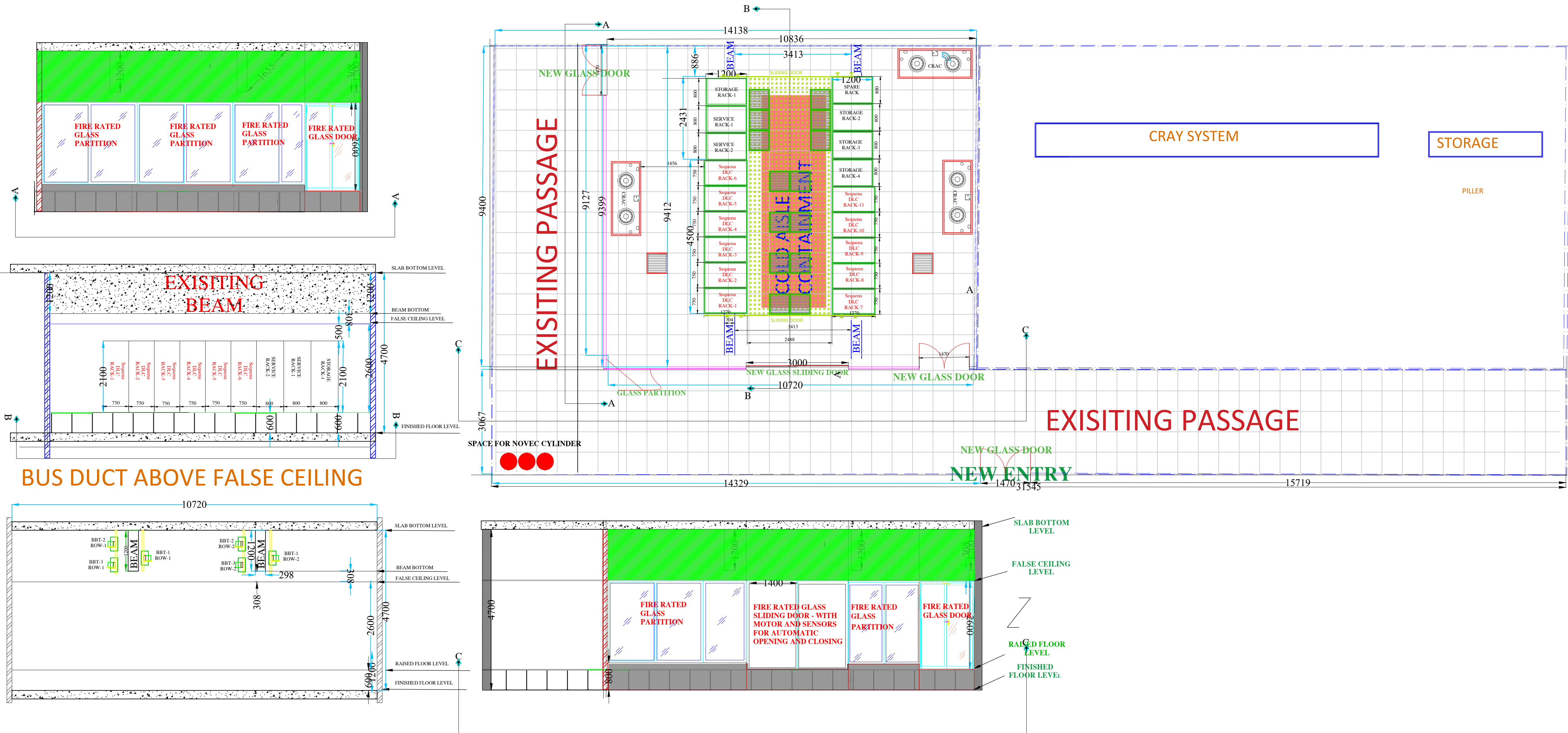
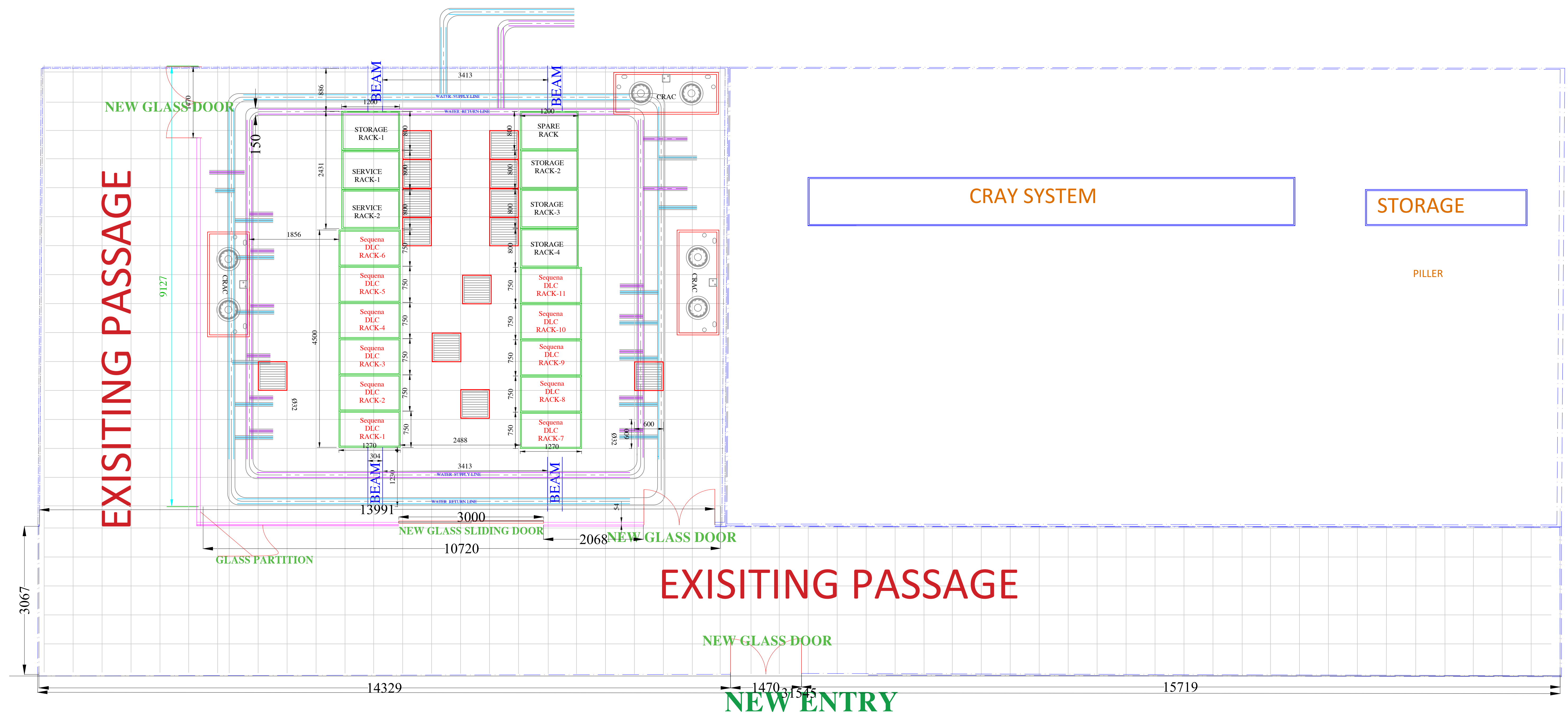


DC LAYOUT WITH SECTION



 CENTER FOR DEVELOPMENT OF ADVANCED COMPUTING		PRELIMINARY DWG	
TITLE	DATA CENTER LAYOUT - RD	DRAWN	
OWNER	INDIAN INSTITUTE OF SCIENCE - BANGALORE	CKD	
CONSULTANT		APPROVED	
DRAWING NO.		SCALE	NTS
DATE	21/10/2020	DATE	REV
REV	DESCRIPTION	DATE	REV

INTERNAL PIPING LAYOUT



सी डेक CDAC CENTER FOR DEVELOPMENT OF ADVANCED COMPUTING				PRELIMINARY DWG			
TITLE		DATA CENTER - INTERNAL PIPING LAYOUT					
OWNER		INDIAN INSTITUTE OF SCIENCE - BANGALORE					
CONSULTANT				DRAWN			
DRAWING NO.				C/D			
DATE		21/10/2020		APPROVED			
				SCALE		NTS	
		26 SUBMITTED FOR APPROVAL					
REV		DESCRIPTION		DATE		REV	
1				1		R0	

P & ID UPDATED

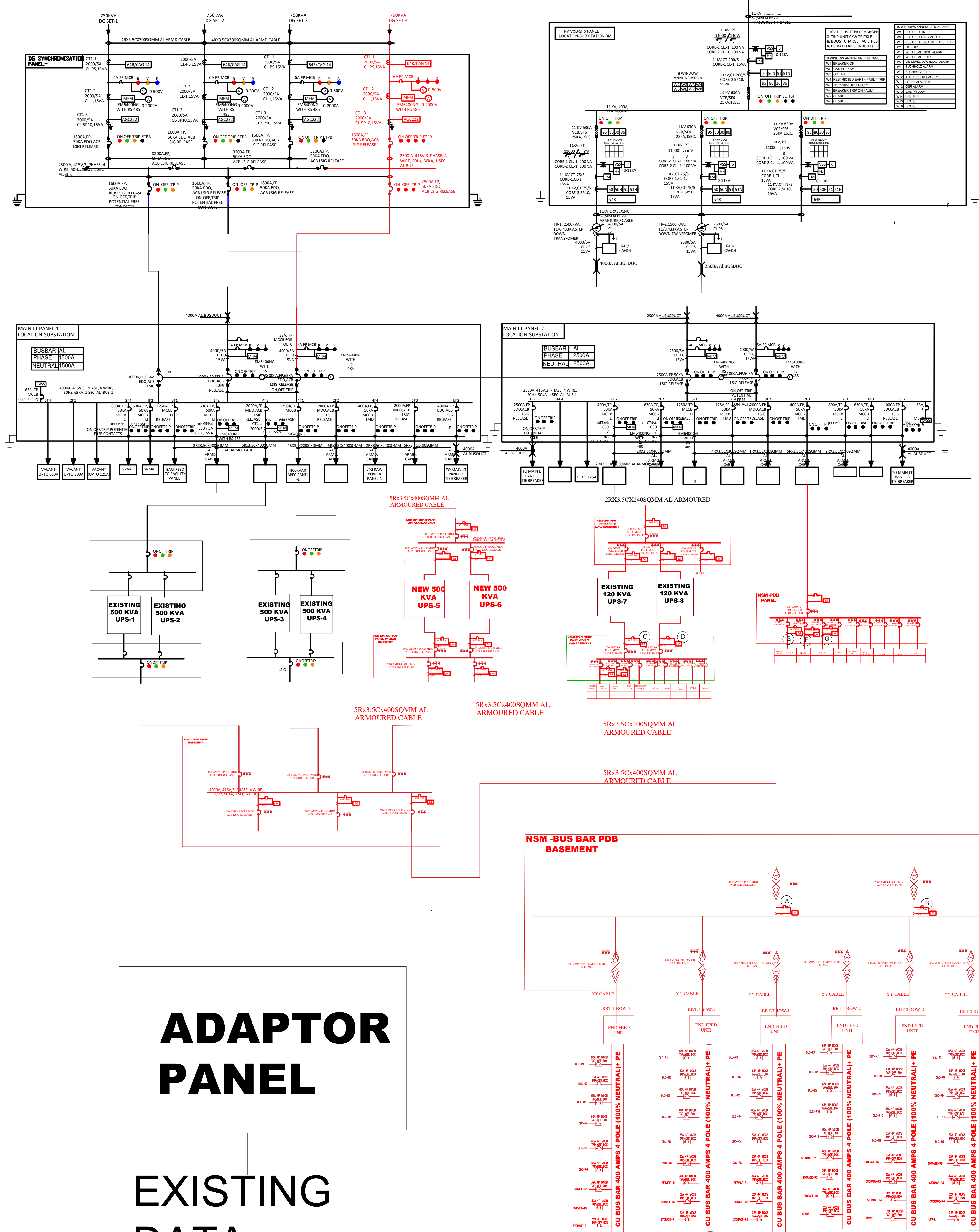
DRY
COOLER

LOCATION OF THESE
EQUIPMENTS ARE AT
TERRACE FLOOR

LOCATION OF THESE
EQUIPMENTS ARE AT
GROUND

EXISTING AIR COOLED
CHILLER 2 X 100 T (1 W
+ 1 SB)
CHILLER AT TERRACE
FLOOR AND PUMPS ARE
AT BASEMENT

INSIDE DATA CENTER



NEW REQUIREMENT
EXISTING
MODIFICATION

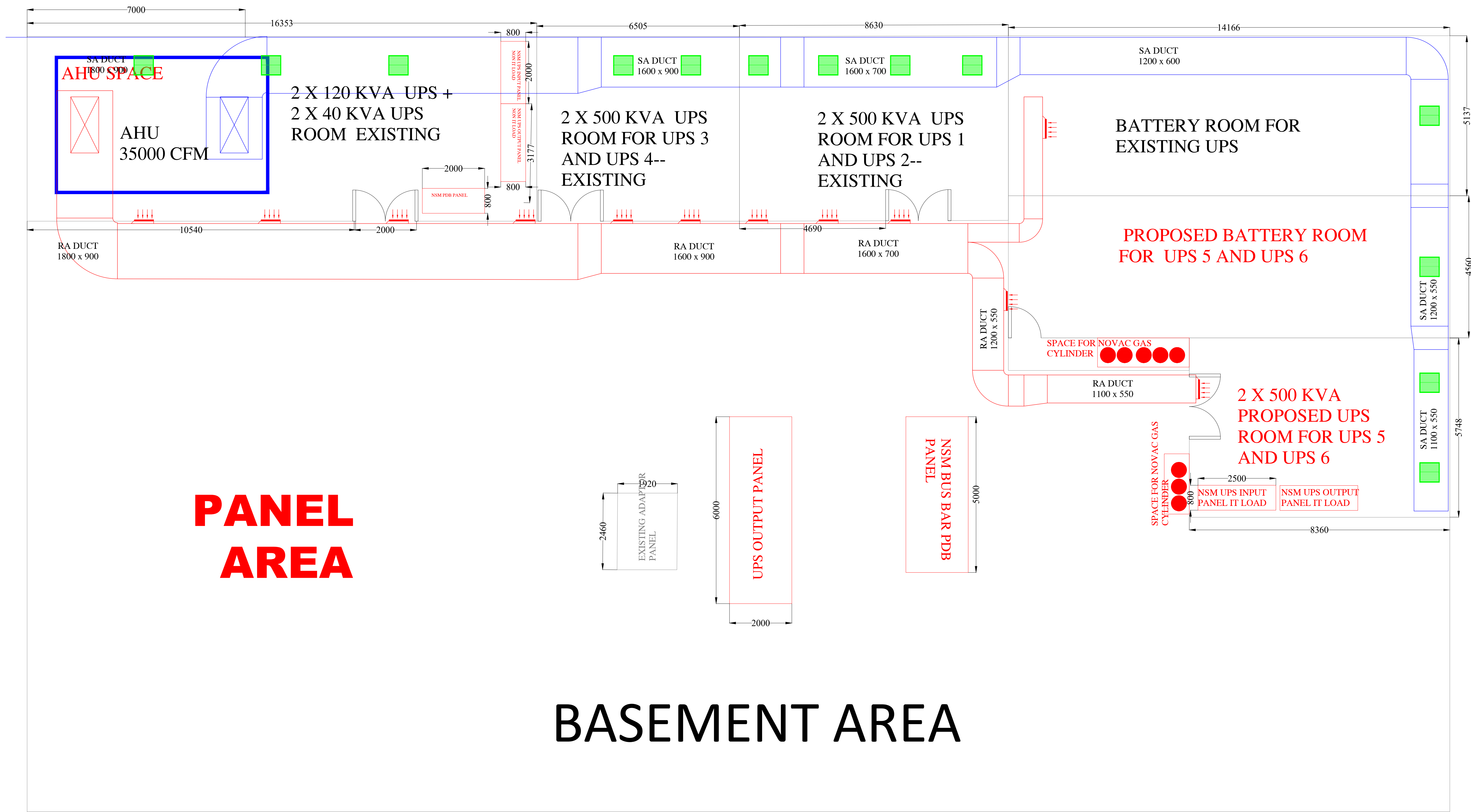
- MOTOR PROTECTION CIRCUIT BREAKER
- MOULDED CASE CIRCUIT BREAKER(MCCB)
- VACUUM CIRCUIT BREAKER(VCB)
- DRAWOUT TYPE AIR CIRCUIT BREAKER(ACB)
- HT FUSE
- INDICATING LAMP
- AUTO MANUAL SELECTOR SWITCH
- MULTIFUNCTION METER
- CURRENT TRANSFORMER (CT)
- POTENTIAL TRANSFORMER (PT)
- CAPACITOR
- RESISTOR
- VOLTMETER SELECTOR SWITCH
- AMMETER SELECTOR SWITCH
- VOLTMETER
- AMMETER
- RELAYING
- DIESEL GENERATOR
- DISTRIBUTION TRANSFORMER
- HRC FUSE
- BUSDUCT
- AUTO SYNCHRONISING CUM AUTO LOAD SHARING RELAY WITH BUILT IN LOAD SHARING PROTECTION .
- TRANSIENT VOLTAGE SURGE SUPPRESSOR-SCHNEIDER PRD TYPE 2 OR EQUIVALENT.
- OIL TEMPERATURE HIGH INDICATOR WITH ALARM & TRIP CONTACTS
- WINDING TEMPERATURE HIGH INDICATOR WITH ALARM & TRIP CONTACTS
- PRESSURE RELIEF DEVICE WITH TRIP CONTACTS
- BUCHHOLZ RELAY WITH ALARM & TRIP CONTACTS
- DIFFERENTIAL PROTECTION RELAY
- BACK UP EARTH FAULT RELAY
- INSTANTANEOUS OVER CURRENT RELAY
- INSTANTANEOUS EARTH FAULT RELAY
- IDMT OVER CURRENT RELAY
- IDMT EARTH FAULT RELAY
- TRIP CIRCUIT SUPERVISION RELAY
- MASTER TRIP RELAY
- SUPERVISION OF MASTER TRIP RELAY
- SPRING CHARGED
- TRIP CIRCUIT HEALTHY
- NORMALLY CLOSED
- NORMALLY OPEN
- DC SUPPLY FAIL INDICATION
- AC SUPPLY FAIL INDICATION
- SERVICE POSITION
- TEST POSITION
- EMERGENCY TRIP PUSH BUTTON
- LAMP HEALTHY PUSH BUTTON
- MASTER TRIP RELAY HEALTHY
- TRIP CIRCUIT SUPERVISION
- DIGITAL FREQUENCY METER
- TRIPLE POLE NEUTRAL
- FOUR POLE
- TRIPLE POLE
- RESTRICTED EARTH FAULT RELAY
- REVERSE POWER RELAY
- COMPACT SUBSTATION

**ADAPTOR
PANEL**

**EXISTING
DATA
CENTER**

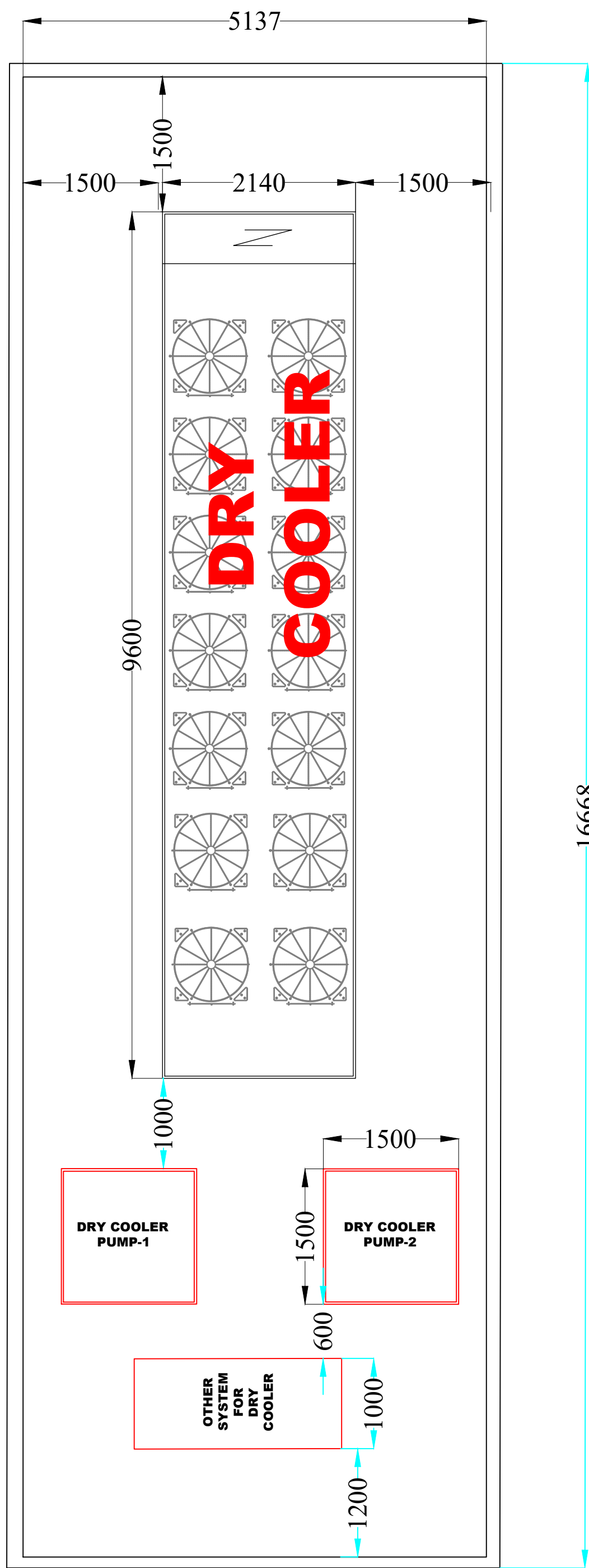
**NSM
SYSTEM**

 NATIONAL SUPERCOMPUTING MISSION GOVT. OF INDIA MINISTRY OF ELECTRONICS & INFORMATION TECHNOLOGY		 CDAC CENTER FOR DEVELOPMENT OF ADVANCED COMPUTING		ISSUED FOR APPROVAL	
TITLE		ELECTRICAL SLD-R1			
OWNER		INDIAN INSTITUTE OF SCIENCE BANGALORE			
CONSULTANT					
DRAWING NO.					
DATE		25/11/2020			
TS		SUBMITTED FOR OFFICIAL		SCALE	
REV		DESCRIPTION		DATE	
1				1	



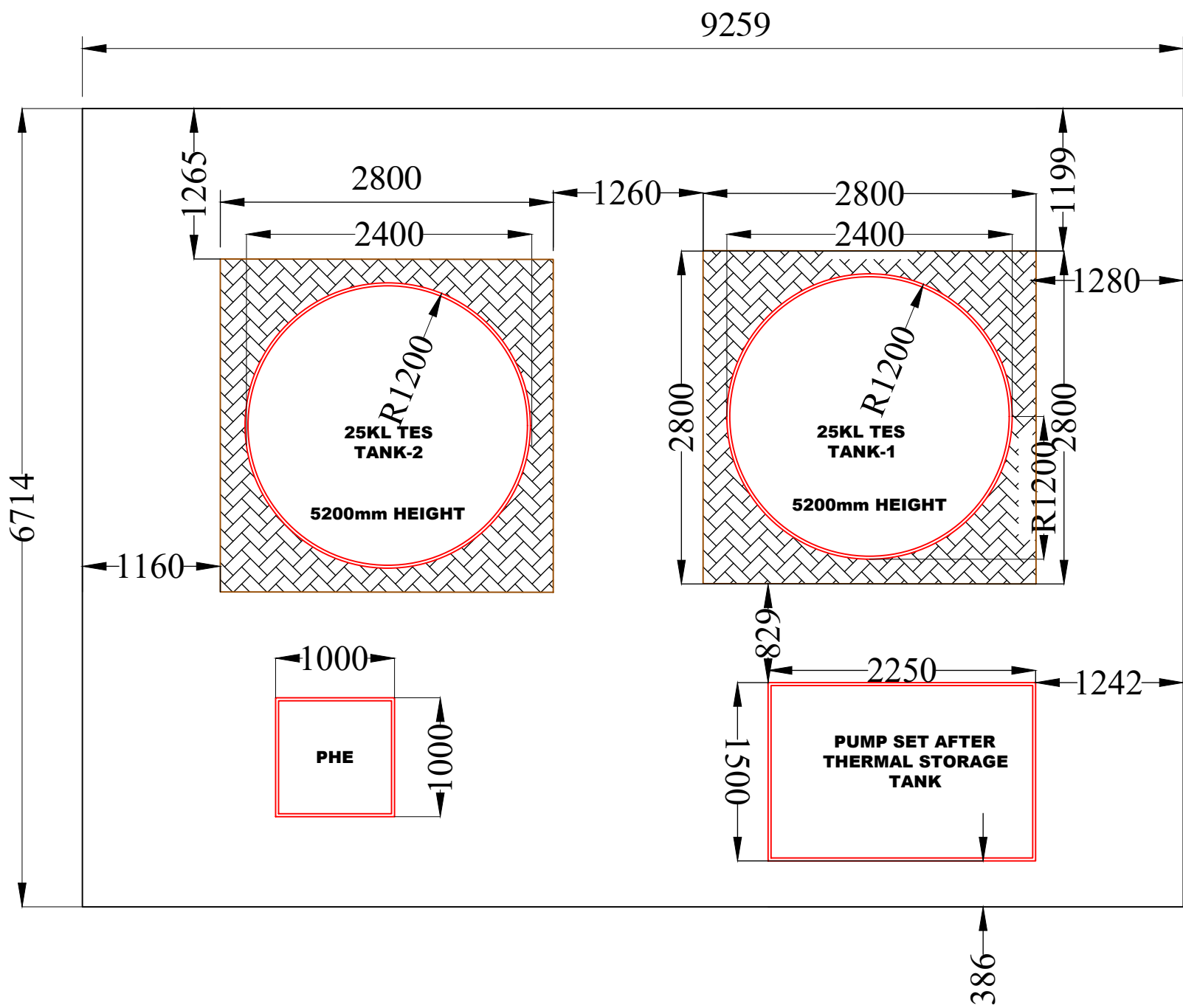
 CENTER FOR DEVELOPMENT OF ADVANCED COMPUTING				PRELIMINARY DWG		
TITLE	DATA CENTER - BASEMENT AREA - AHU and Duct Layout					
OWNER	INDIAN INSTITUTE OF SCIENCE - BANGALORE				DRAWN	
CONSULTANT					CDK	
DRAWING NO.					APPROVED	
DATE	26/12/2020				SCALE	NTS
		BY	FOR APPROVAL	DATE	REV	R1
		REV	DESCRIPTION			

1000 kW Dry
Cooler + Chiller
at Terrace



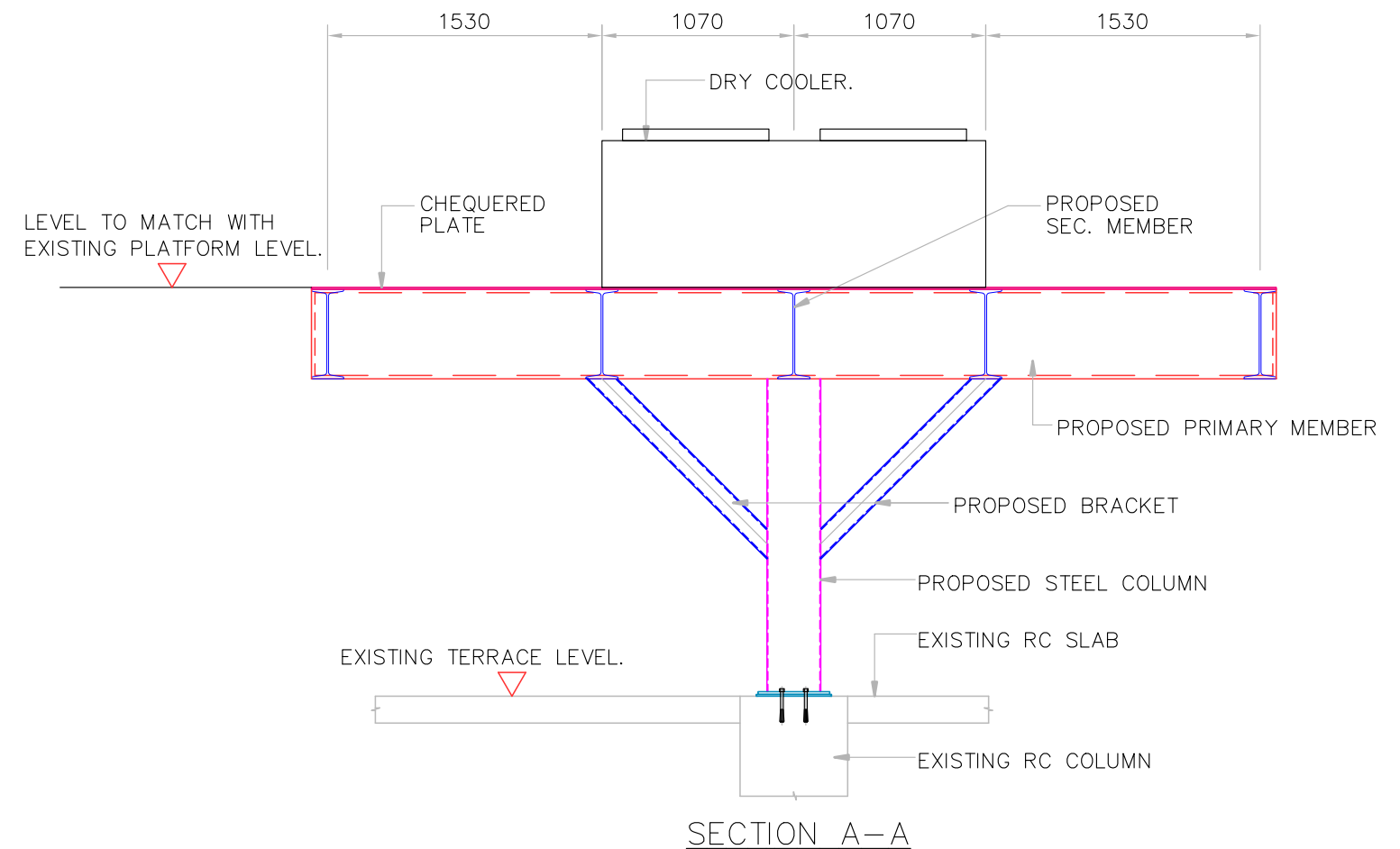
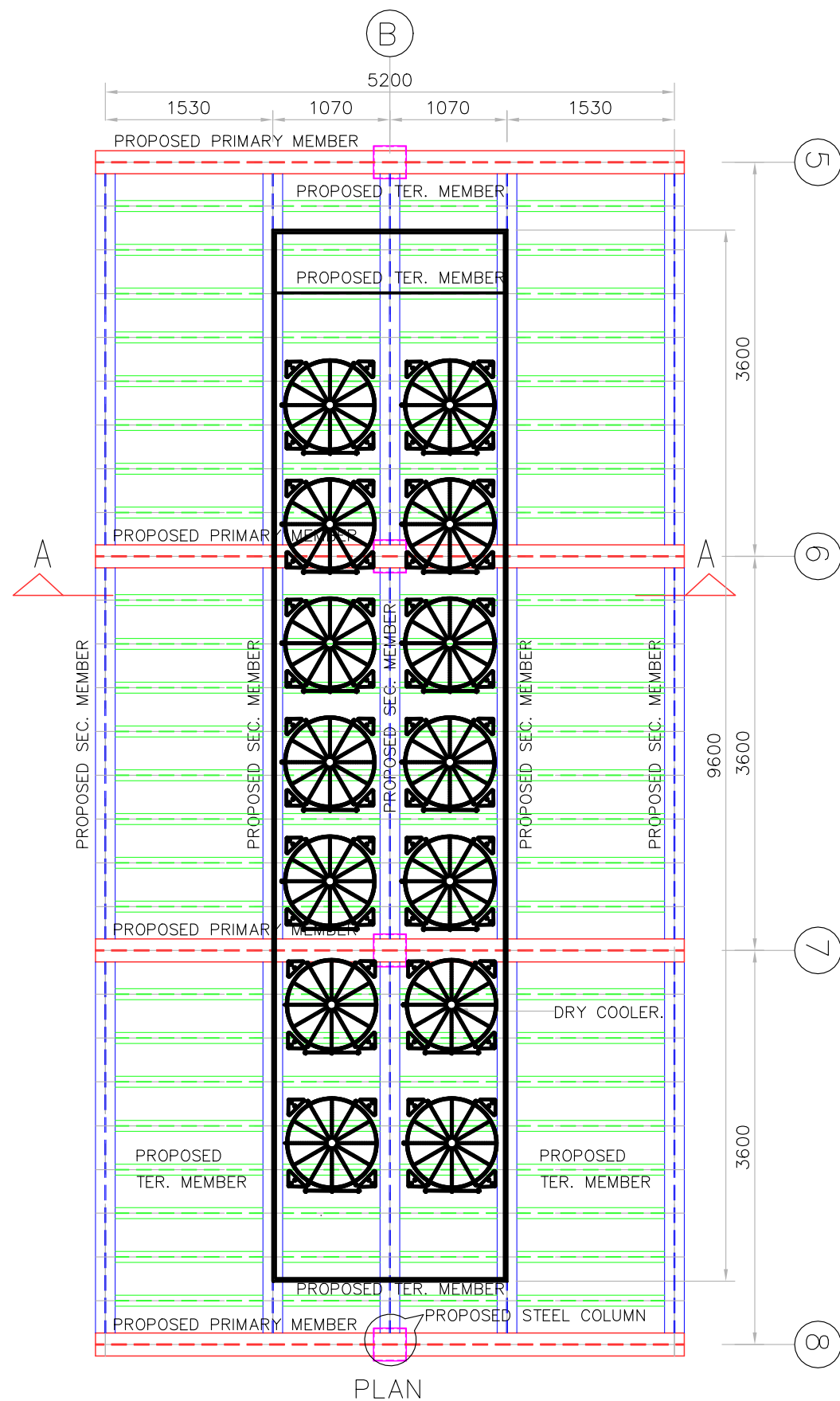
Note- All dimensions are in mm

GROUND FLOOR -
THERMAL STORAGE
TANK AND PUMPS



Note- All dimensions are in mm

nsn NATIONAL SUPERCOMPUTING MISSION		CDAC		PRELIMINARY DWG	
CENTER FOR DEVELOPMENT OF ADVANCED COMPUTING					
TITLE		EQUIPMENTS LAYOUT - 1000 KW - Ground and Terrace floor - R2			
OWNER		INDIAN INSTITUTE OF SCIENCE - BANGALORE			
CONSULTANT				DRAWN	
DRAWING NO.				C/D	
DATE		18/08/2020		APPROVED	
				SCALE	
				NTS	
				REV	
				RO	



NOTE: POSITION AND LOADING OF PROPOSED DRY COOLERS NEED TO BE CONFIRMED.

PURPOSE:
TO GET LOADING DETAILS ONLY.

NOTES

1. ALL DIMENSIONS ARE IN MM.
2. FOLLOW FIGURED DIMENSIONS ONLY

PROJECT:

PROPOSED PLATFORM TO INSTALL DRY COOLER ABOVE TERRACE LEVEL.

TITLE

CONCEPTUAL DRAWING.

STRUCTURAL CONSULTANTS :

ENSTRUCTURA CONSULTANTS (PVT) LTD.,

#2054, 2nd Main, BCCHS LAYOUT,
RAGHUVANAHALLI, OFF KANAKAPURA MAIN ROAD,
BANGALORE 560 062. Ph.No. 09663329229
E-mail : ecpl@enstructura.com



DRAWN : T.J

DESIGNED : S.K.J

CHECKED : S.RAVI

DWG NO: ECPL/DC/ST-01

JOB NO: ECPL/12-2020-062

DATE: 01-12-2020

SCALE : 1:55,40

SHEET : 01 OF 01

PLOT SIZE : A3