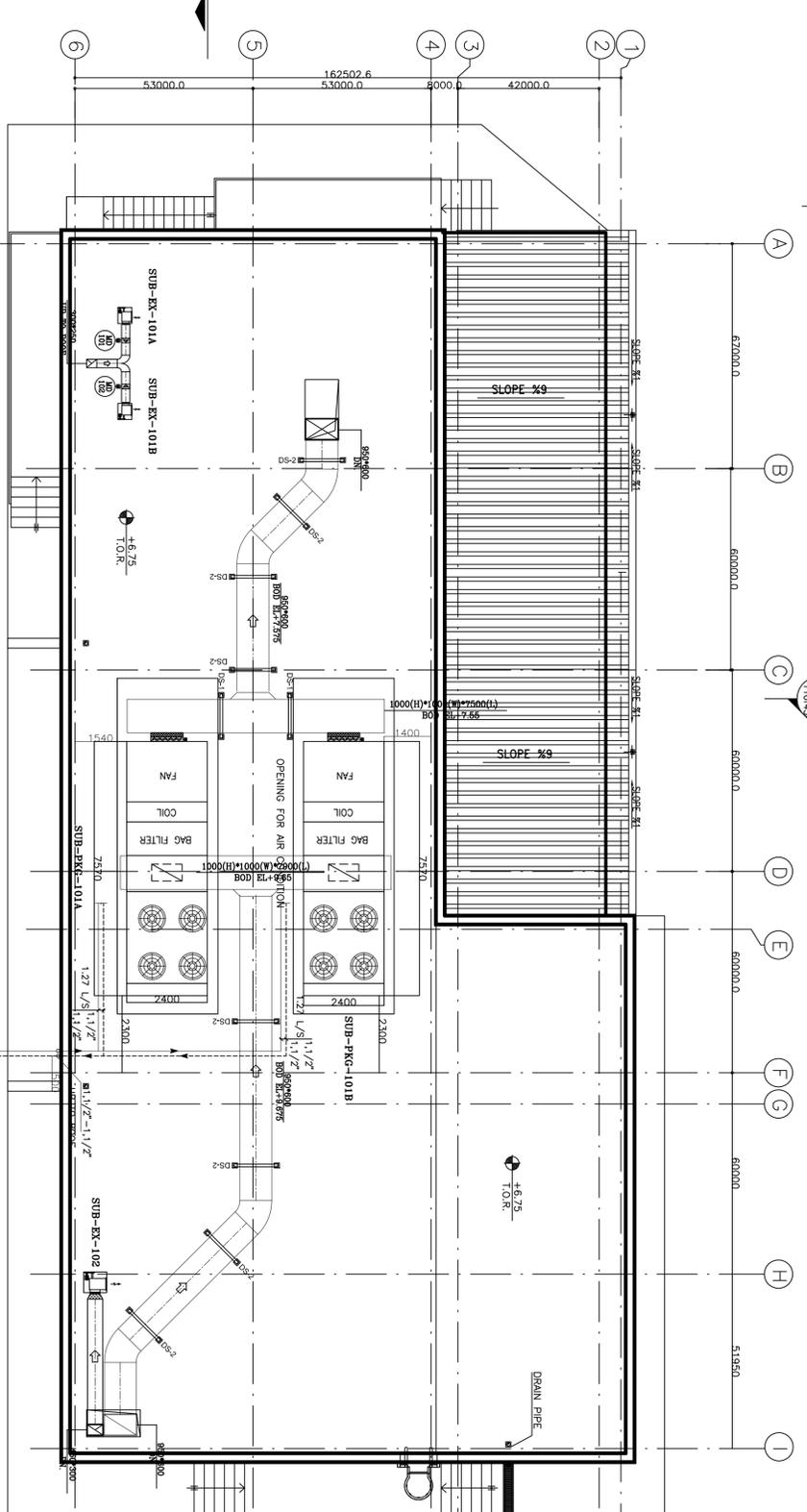
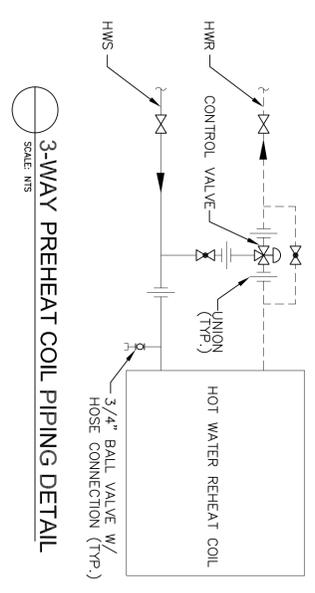
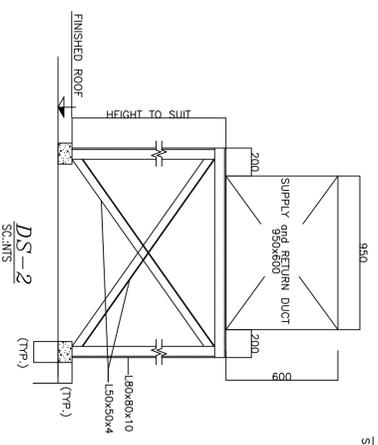
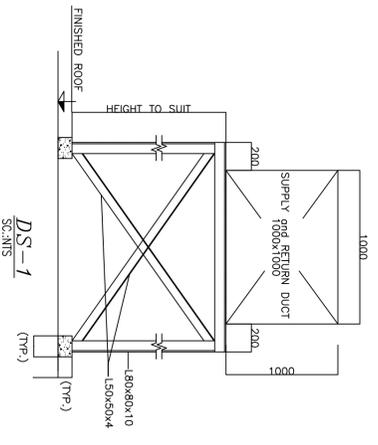


GENERAL NOTES

- 1- ALL DIMENSIONS ARE IN MILLIMETER UNLESS OTHERWISE NOTED.
- 2- ALL ELEVATIONS AND COORDINATES ARE IN METERS.
- 3- ALL FLOW RATES ARE IN L/S
- 4- THE EXECUTIVE CONTRACTOR MUST CHECK ALL DIMENSIONS AT SITE PRIOR TO ANY FABRICATION & CONSTRUCTION.
- 5- THE EXECUTIVE CONTRACTOR SHALL PREPARE SHOP DRAWINGS WHICH HAVE BEEN COORDINATED WITH OTHER TRADES BEFORE OF ANY FABRICATION AND INSTALLATION.
- 6- THE MATERIAL OF ALL DUCTWORK SHALL BE GALVANIZED STEEL SHEET METAL CONFORM TO ASTM A653/A653M.
- 7- THE MATERIAL OF DUCTWORK INSIDE BATTERY ROOM SHALL BE STAINLESS STEEL SHEET. SHALL BE INSULATED WITH 19mm ELASTOMERIC MATERIAL (EPDM) AND COVERED BY VAPOR BARRIER AND ALUMINUM FOL.
- 8- ALL HVAC SUPPLY DUCTS INSIDE BATTERY ROOMS (EXCEPT IN BATTERY ROOM) SHALL BE INSULATED WITH 19mm ELASTOMERIC MATERIAL (EPDM) AND COVERED BY VAPOR BARRIER AND ALUMINUM FOL.
- 9- ALL SAND TRAP LOUVERS SHALL BE MADE OF GALVANIZED SHEET.
- 10- ALL DIFFUSERS, GRILLES AND REGISTERS (EXCEPT IN BATTERY ROOM) SHALL BE MADE OF ALUMINUM SHEET. FOR BATTERY ROOM, ALL DIFFUSERS AND GRILLES SHALL BE MADE OF STAINLESS STEEL.
- 11- ALL MANUAL VOLUME DAMPERS AND FIRE DAMPERS SHALL BE MADE OF GALVANIZED SHEET.
- 12- ACCESS DOOR SHALL BE CONSIDERED FOR ALL FIRE DAMPERS.
- 13- SIZE AND DIMENSION OF PACKAGED UNIT AND EXHAUST FANS WILL BE FINALIZED AFTER PURCHASE ORDER.
- 14- THE BATTERY ROOM EXHAUST FAN MUST BE EXPLOSION PROOF TYPE (EX-D-10C-13).
- 15- CONNECTION OF DUCTS TO THE FAN FILTER UNITS AND EXHAUST FANS SHALL BE ADJUSTED AT SITE.
- 16- ALL EXHAUST DUCT INSIDE CONDITIONED AREA SHALL BE INSULATED WITH 19mm ELASTOMERIC MATERIAL (EPDM) AND COVERED BY VAPOR BARRIER AND ALUMINUM FOL.



ROOF PLAN
SC: 1:100



KEY PLAN

- B.O.D BOTTOM OF DUCT
- B.O.E BOTTOM OF ELEMENT
- B.O.P BOTTOM OF PIPE
- V.D VOLUME DAMPER
- M.F.D MOTORIZED FIRE DAMPER
- P.K.G PACKAGED AIR HANDLING UNIT
- E.F EXHAUST FAN
- S.T.L SAND TRAP LOUVER
- M.F.D MOTORIZED FIRE DAMPER
- M.F.D MOTORIZED DAMPER
- M.F.D MOTORIZED DAMPER

LEGEND

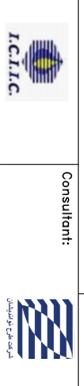
- SUPPLY DUCT SECTION
- RETURN DUCT SECTION
- EXHAUST DUCT SECTION
- DUCT SUPPORT
- BLAST PROOF VALVE

REFERENCE DOCUMENTS

DOC. NO.	REFERENCE DOCUMENTS
LRP-TNA-HV-99-SFC-0001	HVAC DESIGN CRITERIA
LRP-TNA-HV-19-CAL-0001	SUBSTATION NO.05 HVAC CALCULATION
LRP-TNA-HV-19-DSH-0001	SUBSTATION NO.05 HVAC EQUIPMENT DATA SHEETS

Rev.	Date	Purpose of Issue	PRE.D.	CHK'D.	APR'D.
03					
02	02-DEC-23	AFC	H.RASOULI	H.RASOULI	AR.AHOUEI
00	28-JUL-23	Issued for Approval	H.RASOULI	H.RASOULI	AR.AHOUEI

Project
Completing the Remaining Documents of Design and Engineering Services for LAB2 Unit



P.O. No.: XXXX
Client: ICAIIC
DRAWING TITLE: Process Control Building No.03 HVAC Ducting Plan and Section

OLD Doc. No.:	Doc. No.:	SHEET No.	1 OF 1	REV. 01
-	LRP-TNA-HV-19-DWG-0001	A1		