









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
- 7-THE SHEET METAL CONFORM TO ASTM A653/A653M
- 8-THE MATERIAL OF DUCTWORK INSIDE BATTERY ROOM SHALL BE STAINLESS STEEL SHEET.
- 9-ALL HVAE SUPPLY DUCTS INSIDE CONDITIONED AREAS (EXCEPT IN BATTERY ROOM) SHALL BE INSULATED WITH 19mm ELASTOMERIC MATERIAL (EPDM) AND COVERED BY VAPOR BARRIER AND ALUMINUM FOL.
- 10-ALL SMOOT TRAP DOVERS SHALL BE MADE OF GALVANIZED SHEET.
- 11-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 VALVE 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-1C-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.

REFERENCE DOCUMENTS	DOC. NO.
HMHC DESIGN CRITERIA	LRP-TMA-HV-99-SFC-00001
SUBSTITUTION NO.05 HMHC CALCULATION	LRP-TMA-HV-19-CAL-00001
SUBSTITUTION NO.05 HMHC EQUIPMENT DATA SHEETS	LRP-TMA-HV-19-DSH-00001

B.O.D.	BOTTOM OF DUCT		SUPPLY DUCT SECTION
B.O.E.	BOTTOM OF ELEMENT		RETURN DUCT SECTION
B.O.P.	BOTTOM OF PIPE		EXHAUST DUCT SECTION
V.D.	VOLUME DAMPER		DUCT SUPPORT
M.F.D.	MOTORIZED FIRE DAMPER		
PKG	PACKAGED AIR HANDLING UNIT		
EF	EXHAUST FAN		
	SAND TRAP LOUVER		BLAST PROOF VALVE
	MOTORIZED FIRE DAMPER		
	MOTORIZED DAMPER		

03					
02					
01	02-DEC-23	AFC			
00	28-JUL-23	Issued for Approval	H.RASOULI	H.RASOULI	AR.AHOUEI
Rev.	Date	Purpose of Issue	PRE'D.	CHK'D.	APR'D.

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

P.O. No.:XXXX	
Client:	
Consultant:	

DRAWING TITLE:

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