



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-ALL HVAC SUPPLY DUCTS INSIDE CONDITIONED AREAS SHALL BE INSULATED WITH 19mm ELASTOMERIC MATERIAL (EPDM) AND COVERED BY VAPOR BARRIER AND ALUMINUM FOIL.  
8-ALL SAND TRAP LOUVERS SHALL BE MADE OF GALVANIZED SHEET.  
9-ALL DIFFUSERS, GRILLES AND REGISTERS SHALL BE MADE OF ALUMINUM SHEET.  
10-ALL MANUAL VOLUME DAMPERS AND FIRE DAMPERS SHALL BE MADE OF GALVANIZED SHEET.  
11-SIZE AND DIMENSION OF PACKAGED UNIT AND EXHAUST FANS WILL BE FINALIZED AFTER PURCHASE ORDER.  
12-CONNECTION OF DUCTS TO THE FAN FILTER UNITS AND EXHAUST FANS SHALL BE ADJUSTED AT SITE.  
13- ALL EXHAUST DUCT INSIDE CONDITIONED AREA SHALL BE INSULATED WITH 19mm ELASTOMERIC MATERIAL (EPDM) AND COVERED BY VAPOR BARRIER AND ALUMINUM FOIL.

REFERENCE DOCUMENTS	DOC. NO.
HVAC DESIGN CRITERIA	LRP-TNA-HV-99-SPC-0001
FIRE STATION NO.2 HVAC CALCULATION	LRP-TNA-HV-15-CAL-0001
FIRE STATION NO.02 HVAC EQUIPMENT DATA SHEETS	LRP-TNA-HV-15-DSH-0001

LEGEND

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
VD	VOLUME DAMPER		DUCT SUPPORT
M.F.D	MOTORIZED FIRE DAMPER		
PKG	PACKAGED AIR HANDLING UNIT		
EF	EXHAUST FAN		
	SAND TRAP LOUVER		
	MOTORIZED FIRE DAMPER		
	MOTORIZED DAMPER		

KEY PLAN

03					
02					
01	02-DEC-23	AFC	H.RASOOLI	H.RASOOLI	R.JAVADZADEH
00	29-JUL-23	Issued for Approval	H.RASOOLI	H.RASOOLI	AR.AHOOEI
Rev.	Date	Purpose of Issue	PRE'D.	CHK'D.	APR'D.

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

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

DRAWING TITLE:  
Fire Station No.2 HVAC Roof PLAN

OLD Doc. No.: -	Doc. No.: LRP-TNA-HV-15-DWG-0001
Size: A1	SHEET No. 1 OF 1 REV. 01