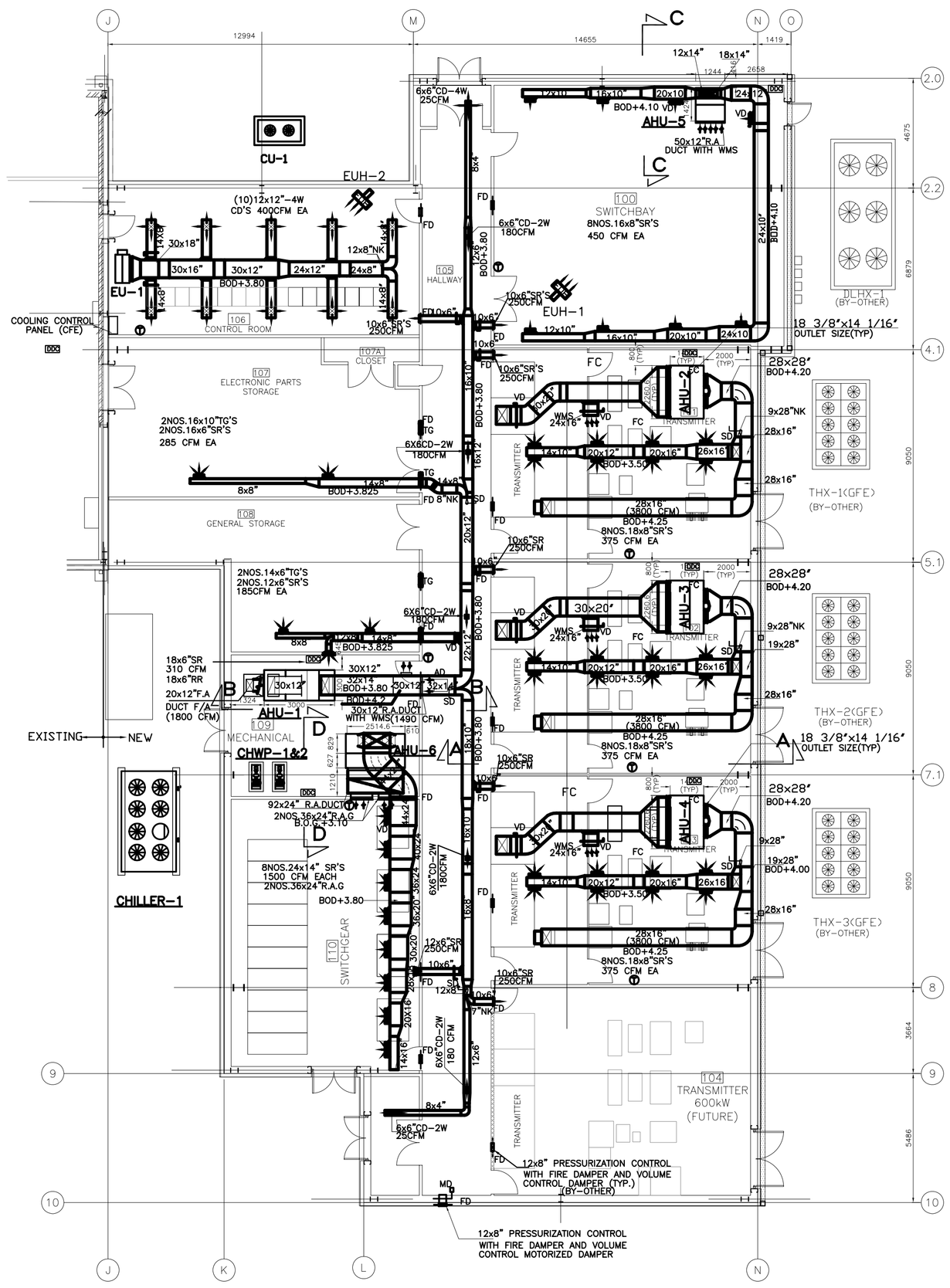
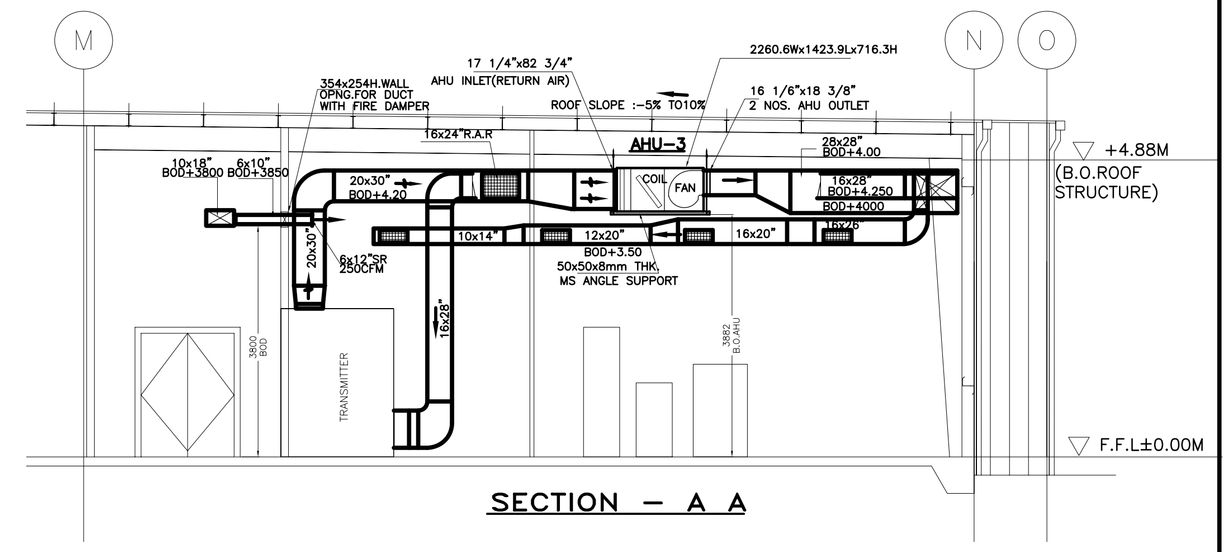
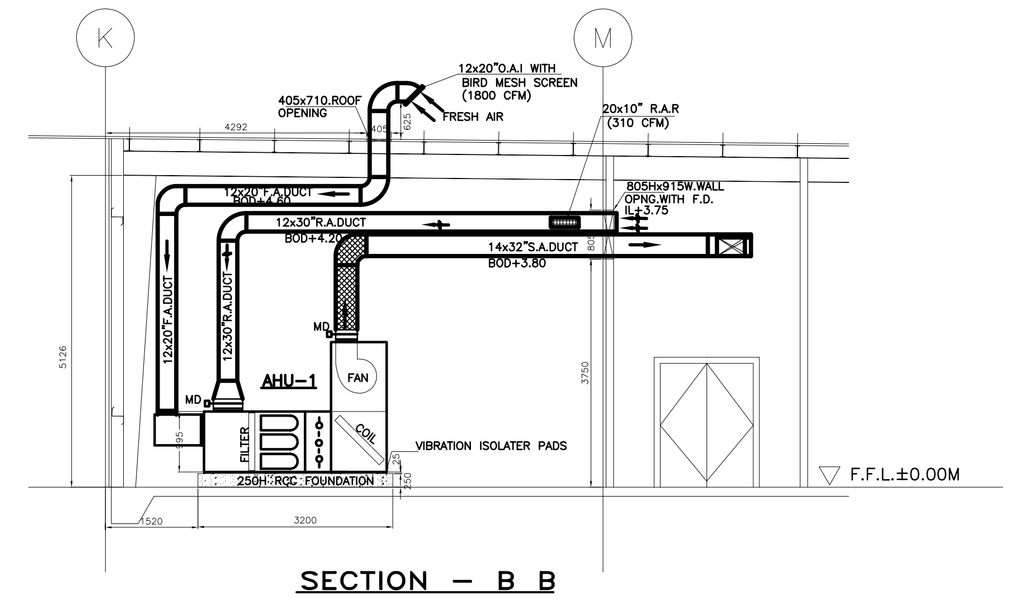




SECTION – A A



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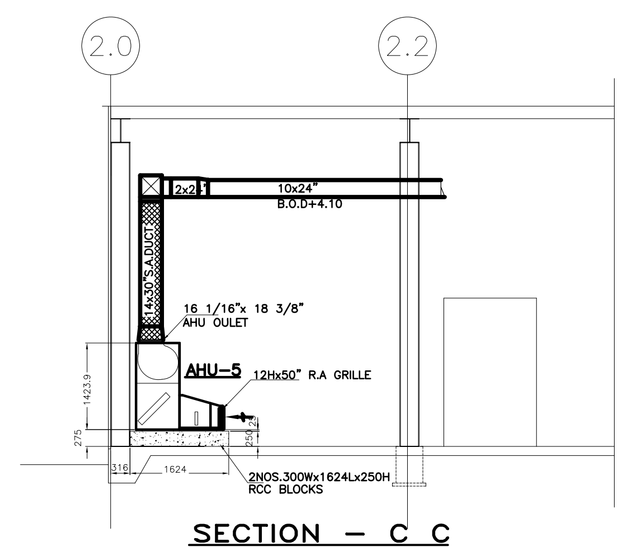
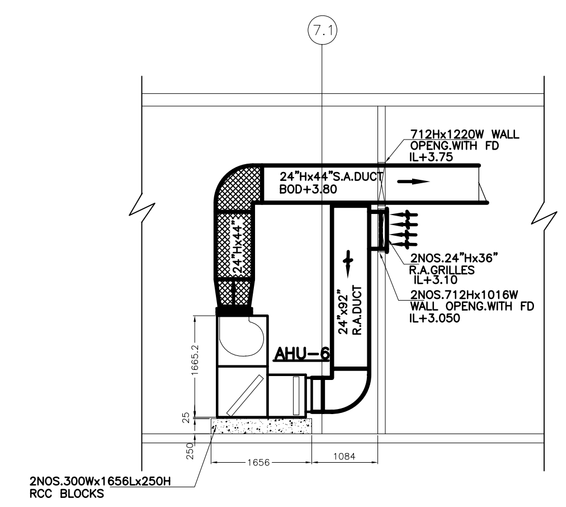


SECTION – C C



SECTION – D D

NOTES:–

1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED
2. ALL LEVELS ARE GIVEN IN METERS AND TO BE READ FROM FIN.FLOOR LEVEL.
3. ALL DUCT SIZES ARE INSIDE CLEAR
4. AHU'S SIZES & LOCATION ARE TENTATIVE
5. FOR STANDARD DUCT FABRICATION DETAILS REF.DRG.NO.BMB–AC–01

LEGEND

Ⓣ	THERMOSTAT
CH.	CHILLER
SR	SUPPLY AIR REGISTER
FC	FLEXIBLE CONNECTION
RR	RETURN REGISTER
TG	TRANSFER GRILLE
VD	VOLUME CONTROL DAMPER
EA	EACH
EU	EVAPORATING UNIT
CU	CONDENSING UNIT
EUH	ELECTRICAL UNIT HEATER
AHU	AIR HANDLING UNIT
WMS	WIRE MESH SCREEN
CFM	CUBIC FEET PER MINUTE
O.A.I.	OUTSIDE AIR INTAKE
B.O.D.	BOTTOM OF DUCT
D.D.C	DIRECT DIGITAL CONTROL

AS BUILT
11–03–04

GRAPHIC SCALE:
0 1m 2m 5m
SCALE: 1:100 (METRIC)

SEAL:

REV	DESCRIPTIONS	DATE	APPR
0	AS BUILT DRAWING	11/3/04	VMS

REVISIONS

CHECKED BY: AFA
APPROVED BY: AFA

SUB.CONT: Bader Alfulaij & Brothers Co.W.L.L (Engineering Group)
P.O. Box No.177, SAFAT KUWAIT
Tel. 4815077; FAX; 4839725

DRAWN AJS DATE 13/7/03
CHK. BY. AFA
ENGR. AFA

INTERNATIONAL BROADCASTING BUREAU
INTERNATIONAL BROADCASTING BUREAU ENGINEERING & TECHNICAL OPERATIONS WASHINGTON, D.C. 20547

PROJECT: SHORTWAVE EXPANSION PROJECT KUWAIT

APPROVALS
PROJ. MANAGER

TITLE: GROUND FLOOR PLAN HVAC DUCTING LAYOUT

IQC No.
TASK No.
PROJ. No. 03NC080
CAD DESIGN FILE NAME: M–101M02.DWG.

DWG. No. ABD–AC–03 REV. 0 DWG.REF. MO2
SCALE: 1 : 100 SHEET OF
CAD FILE :- F:\ACMCAD5\VOFA\AC–03

AIR HANDLING UNIT SCHEDULE MAKE'S CARRIER (SAUDI ARABIA)

ID	LOCATION	MAKE AND MODEL NUMBER	UNIT TYPE	UNIT SIZE LENGHT (MM)	UNIT SIZE WIDTH (MM)	UNIT SIZE HEIGHT (MM)	TOTAL CLG. CAP. MBH	SENS CLG. CAP. MBH	FRESH AIR CFM	SUPPLY FAN CFM	SUPPLY FAN EXT. S.P. IN WG	SUPPLY FAN MOTOR KW	SUPPLY FAN MOTOR V/PH/HZ	UNIT WEIGHT KGS.	COOLING COIL AIR ENT. AIR °F DB	AIR ENT. AIR °F WB	AIR LVG. AIR °F DB	AIR LVG. AIR °F WB	WATER ENT. °F	WATER RISE °F	GPM	PIPE CONN. SIZE IN	COIL CONNECTION WATER PRESS. DROP FT WG	COIL CONNECTION COIL CONN.	REMARKS
AHU–1	MECHANICAL ROOM	CARRIER 39FD 340	VERTICAL DRAW–THRU	3000	1310	1045	259,000	182,000	1,800	3,960	0.55	4.00	415/3/50	400	95	65	60	52	45	10	51.54	2 1/2"ø	13.0	RIGHT HAND	FLOOR MOUNTED UNIT,1800 CFM FRESH AIR, 23KW ELECTRIC HEATING COIL & CONTROLS
AHU–2	XMTR ROOM 101	CARRIER 40RMS 016	HORIZONTAL DRAW–THRU	1424.0	2260.6	716.3	146,850	146,850	––	6,800	0.50	3.75	415/3/50	367	77.0	60.1	59.7	53.4	45	10	29.33	2"ø	3.64	LEFT HAND	CEILING SUSPENDING UNIT
AHU–3	XMTR ROOM 102	CARRIER 40RMS 016	HORIZONTAL DRAW–THRU	1424.0	2260.6	716.3	146,850	146,850	––	6,800	0.50	3.75	415/3/50	367	77.0	60.1	59.7	53.4	45	10	29.33	2"ø	3.64	LEFT HAND	CEILING SUSPENDING UNIT
AHU–4	XMTR ROOM 103	CARRIER 40RMS 016	HORIZONTAL DRAW–THRU	1424.0	2260.6	716.3	146,850	146,850	––	6,800	0.50	3.75	415/3/50	367	77.0	60.1	59.7	53.4	45	10	29.33	2"ø	3.64	LEFT HAND	CEILING SUSPENDING UNIT
AHU–5	SWITCHBAY	CARRIER 40RMS 010	VERTICAL DRAW–THRU	713.8	1244.1	1423.9	78,110	78,110	––	3,600	0.35	1.79	415/3/50	207	77.0	60.1	60.0	53.5	45	10	14.00	1 1/4"ø	1.66	RIGHT HAND	CEILING SUSPENDING UNIT
AHU–6	MECHANICAL ROOM	CARRIER 40RMS 028	VERTICAL DRAW–THRU	828.7	2514.6	1665.2	222,000	235,680	––	12,000	0.45	7.50	415/3/50	538	77.0	60.1	60.0	53.5	45	10	47.27	2"ø	5.10	LEFT HAND	FLOOR MOUNTED UNIT