

THE PEOPLE'S REPUBLIC OF BANGLADESH

DETAILS DESIGN REPORT

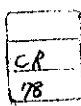
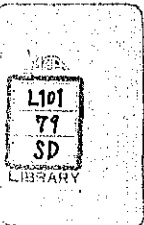
ON

THE TELEVISION STUDIO CONSTRUCTION PROJECT

VOLUME IV - 3

MARCH, 1978

JAPAN INTERNATIONAL COOPERATION AGENCY



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國際協力事業団	
設立 年月日	昭和25年 4月25日
登録No.	07927
	L101 79 SD

IV - 3

VENTILATION AND AIR CONDITIONING DRAWINGS

LIST OF DRAWINGS FOR AIR CONDITIONING & VENTILATION WORK

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-13	PLAN-SECOND FLOOR (PIPING)	1/100	-39	DETAILS OF FANS	—
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-19	DETAIL OF AUDIENCE SEAT FOR DUCT WORK	1/50	-45	DITTO NO.3	1/20 1/10
-20	DETAIL OF AUDIENCE SEAT FOR SECTION	1/50	-46	DETAILS OF EXPANSION TANK & PIPING DIAGRAM FOR AIR HANDLING UNIT	1/10
-21	DETAILS OF SILENCER ROOM FOR DUCT WORK & SECTION	1/50	-47	DETAIL OF ENTHALPY EXCHANGER (AIR-TO-AIR HEAT EXCHANGER)	1/20
-22	DETAILS OF KITCHEN & PANTRY FOR VENTILATION WORK & SECTION	1/50			
-23	DETAILS OF AUTOMATIC CONTROL NO.1	1/20			
-24	DITTO NO.2	1/50			
-25	DITTO NO.3	1/50			
-26	DETAILS OF VIBRATION PROTECTION FOR PIPE	—			

CONSTRUCTION PROJECT		DATE
OF BTV HALL IN DACCA		12/77
TITLE OF DRAWING		SCALE
LIST OF DRAWINGS FOR AIR CONDITIONING & VENTILATION WORK		
DRG. NO.		M-1

LIST OF MACHINES

NO	ITEM	SPECIFICATIONS	QTY	PHASE	VOLT	KW
1	AIR HANDLING UNIT (STAGE)	HORIZONTAL TYPE AIR VOLUME 56,000 <sup>CMH</sup> (O.A. 8,400 <sup>CMH</sup> ) EXT.SP 80 <sup>MM</sup> COOLING CAPACITY 315,000 <sup>KCAL/H</sup> CHILLED WATER FLOW 1,050 <sup>L/H</sup> CHILLED WATER TEMP. 7°C ~ 12°C WATER COIL ROW 6 (DOUBLE) AIR FILTER FLAT TYPE	1	3	380	30
2	AIR HANDLING UNIT (AUDIENCE SEAT)	HORIZONTAL TYPE AIR VOLUME 18,300 <sup>CMH</sup> (O.A. 8,400 <sup>CMH</sup> ) EXT.SP 100 <sup>MM</sup> COOLING CAPACITY 135,000 <sup>KCAL/H</sup> CHILLED WATER FLOW 450 <sup>L/H</sup> CHILLED WATER TEMP 7°C ~ 12°C WATER COIL ROW 6 (SINGLE) AIR FILTER HIGH EFFICIENT TYPE	1	3	380	11.0
3	AIR HANDLING UNIT (ENTRANCE & FOYER)	HORIZONTAL TYPE AIR VOLUME 11,150 <sup>CMH</sup> (O.A. 1,810 <sup>CMH</sup> ) EXT.SP 60 <sup>MM</sup> COOLING CAPACITY 80,000 <sup>KCAL/H</sup> CHILLED WATER FLOW 270 <sup>L/H</sup> CHILLED WATER TEMP 7°C ~ 12°C WATER COIL ROW 6 (SINGLE) AIR FILTER FLAT TYPE	1	3	380	5.5
4	AIR HANDLING UNIT (LIGHTING ROOM)	HORIZONTAL TYPE AIR VOLUME 5,950 <sup>CMH</sup> (O.A. 1,200 <sup>CMH</sup> ) EXT.SP 100 <sup>MM</sup> COOLING CAPACITY 39,000 <sup>KCAL/H</sup> CHILLED WATER FLOW 130 <sup>L/H</sup> CHILLED WATER TEMP 7°C ~ 12°C WATER COIL ROW 10 (SINGLE) AIR FILTER FLAT TYPE	1	3	380	5.5
5	AIR HANDLING UNIT (SUB CONTROL ROOM)	VERTICAL TYPE AIR VOLUME 4,150 <sup>CMH</sup> (O.A. 300 <sup>CMH</sup> ) EXT.SP 100 <sup>MM</sup> COOLING CAPACITY 17,200 <sup>KCAL/H</sup> CHILLED WATER FLOW 60 <sup>L/H</sup> CHILLED WATER TEMP 7°C ~ 12°C WATER COIL ROW 8 (SINGLE) AIR FILTER FLAT TYPE	1	3	380	3.7
6	AIR HANDLING UNIT (W.P. ROOM)	VERTICAL TYPE AIR VOLUME 3,700 <sup>CMH</sup> (O.A. 370 <sup>CMH</sup> ) EXT.SP 60 <sup>MM</sup> COOLING CAPACITY 24,000 <sup>KCAL/H</sup> CHILLED WATER FLOW 80 <sup>L/H</sup> CHILLED WATER TEMP 7°C ~ 12°C WATER COIL ROW 8 (SINGLE) AIR FILTER FLAT TYPE	1	3	380	3.7
7	AIR HANDLING UNIT (CANTEN)	VERTICAL TYPE AIR VOLUME 3,650 <sup>CMH</sup> (O.A. 270 <sup>CMH</sup> ) EXT.SP 60 <sup>MM</sup> COOLING CAPACITY 21,000 <sup>KCAL/H</sup> CHILLED WATER FLOW 80 <sup>L/H</sup> CHILLED WATER TEMP 7°C ~ 12°C WATER COIL ROW 8 (SINGLE) AIR FILTER FLAT TYPE	1	3	380	3.7
25	EXHAUST FAN (PROJECTION)	UNIT FAN (TFU-20) x 285 <sup>CMH</sup> x 15 <sup>MM</sup> Aq	1	1	220	0.2
26	WATER SUPPLY PUMP	PACKAGED BOOSTER PUMP 32 <sup>P</sup> x 125 <sup>L/H</sup> x 10 <sup>M</sup> OUT DOOR TYPE	1	3	380	0.75

NO	ITEM	SPECIFICATIONS	QTY	PHASE	VOLT	KW
8	AIR HANDLING UNIT (PROJECTION)	HORIZONTAL TYPE AIR VOLUME 2,520 <sup>CMH</sup> (O.A. 75 <sup>CMH</sup> ) EXT.SP 60 <sup>MM</sup> COOLING CAPACITY 8,500 <sup>KCAL/H</sup> CHILLED WATER FLOW 30 <sup>L/H</sup> CHILLED WATER TEMP 7°C ~ 12°C WATER COIL ROW 6 (SINGLE) AIR FILTER FLAT TYPE	1	3	380	2.2
9	AIR HANDLING UNIT (ORCHESTRA PIT)	VERTICAL TYPE AIR VOLUME 1,680 <sup>CMH</sup> EXT.SP 60 <sup>MM</sup> COOLING CAPACITY 3,000 <sup>KCAL/H</sup> CHILLED WATER FLOW 10 <sup>L/H</sup> CHILLED WATER TEMP 7°C ~ 12°C WATER COIL ROW 4 (SINGLE) AIR FILTER FLAT TYPE	1	3	380	1.5
10	CHILLING UNIT	AIR COOLED WATER CHILLING UNIT COOLING CAPACITY 87,000 <sup>KCAL/H</sup> CHILLED WATER FLOW 290 <sup>L/H</sup> CHILLED WATER TEMP 7°C ~ 12°C OUT DOOR AIR TEMP 35°C STARTING METHOD STAR AND DELTA COMPRESSOR TYPE SEMI-HERMETIC	1	3	380	37.0
11	CHILLED WATER PUMP	PIPE LINE PUMP 50 <sup>P</sup> x 290 <sup>L/H</sup> x 20 <sup>M</sup> OUT DOOR TYPE	1	3	380	2.2
12	EXPANSION TANK	STEEL PLATE 3.2 <sup>T</sup> CAPACITY 100 <sup>L</sup>	2			
13	FAN COIL UNIT (RACK ROOM)	FLOOR MOUNTING TYPE COOLING CAPACITY (SH. 5,800 <sup>KCAL/H</sup> , TH. 7,400 <sup>KCAL/H</sup> ) CHILLED WATER FLOW 25 <sup>L/H</sup>	3	1	220	0.22
14	FAN COIL UNIT (PROJECTION)	FLOOR MOUNTING TYPE COOLING CAPACITY (SH. 2,500 <sup>KCAL/H</sup> , TH. 2,900 <sup>KCAL/H</sup> ) CHILLED WATER FLOW 10 <sup>L/H</sup>	2	1	220	0.055
15	FAN COIL UNIT (SUB CONTROL ROOM)	IN THE WALL TYPE COOLING CAPACITY (SH. 5,800 <sup>KCAL/H</sup> , TH. 7,400 <sup>KCAL/H</sup> ) CHILLED WATER FLOW 25 <sup>L/H</sup>	3	1	220	0.11
16	CIRCULATOR	AIR VOLUME 690 <sup>CMH</sup>	1	1	220	0.06
17	EXHAUST FAN (WC. 1)	UNIT FAN (TFU-30) x 1,810 <sup>CMH</sup> x 20 <sup>MM</sup> Aq	1	3	380	0.75
18	EXHAUST FAN (KITCHEN & PANTRY)	UNIT FAN (TFU-30) x 1,800 <sup>CMH</sup> x 20 <sup>MM</sup> Aq	1	3	380	0.75
19	EXHAUST FAN (WC. 2,3)	UNIT FAN (TFU-20) x 350 <sup>CMH</sup> x 15 <sup>MM</sup> Aq	1	3	380	0.2
20	EXHAUST FAN (WASH ROOM)	UNIT FAN (TFU-20) x 450 <sup>CMH</sup> x 20 <sup>MM</sup> Aq	1	3	380	0.2
21	EXHAUST FAN (WC. 4)	UNIT FAN (TFU-20) x 100 <sup>CMH</sup> x 15 <sup>MM</sup> Aq	1	3	380	0.2
22	EXHAUST FAN (AUDIENCE SEAT)	UNIT FAN #SS2 (TFU-7US) x 9,600 <sup>CMH</sup> x 60 <sup>MM</sup> Aq	1	3	380	5.5
23	EXHAUST FAN (STAGE)	UNIT FAN #SS3 (TFU-5US) x 4,200 <sup>CMH</sup> x 45 <sup>MM</sup> Aq	2	3	380	2.2
24	ENTHALPY EXCHANGER	UNIT TYPE OUT DOOR AIR 8,400 <sup>CMH</sup> EXHAUST AIR 9,600 <sup>CMH</sup>	1			

CONSTRUCTION PROJECT OF BTV HALL IN DACCA		DATE 12/77
TITLE OF DRAWING LIST OF MACHINES		SCALE
		DRG. NO. M-2

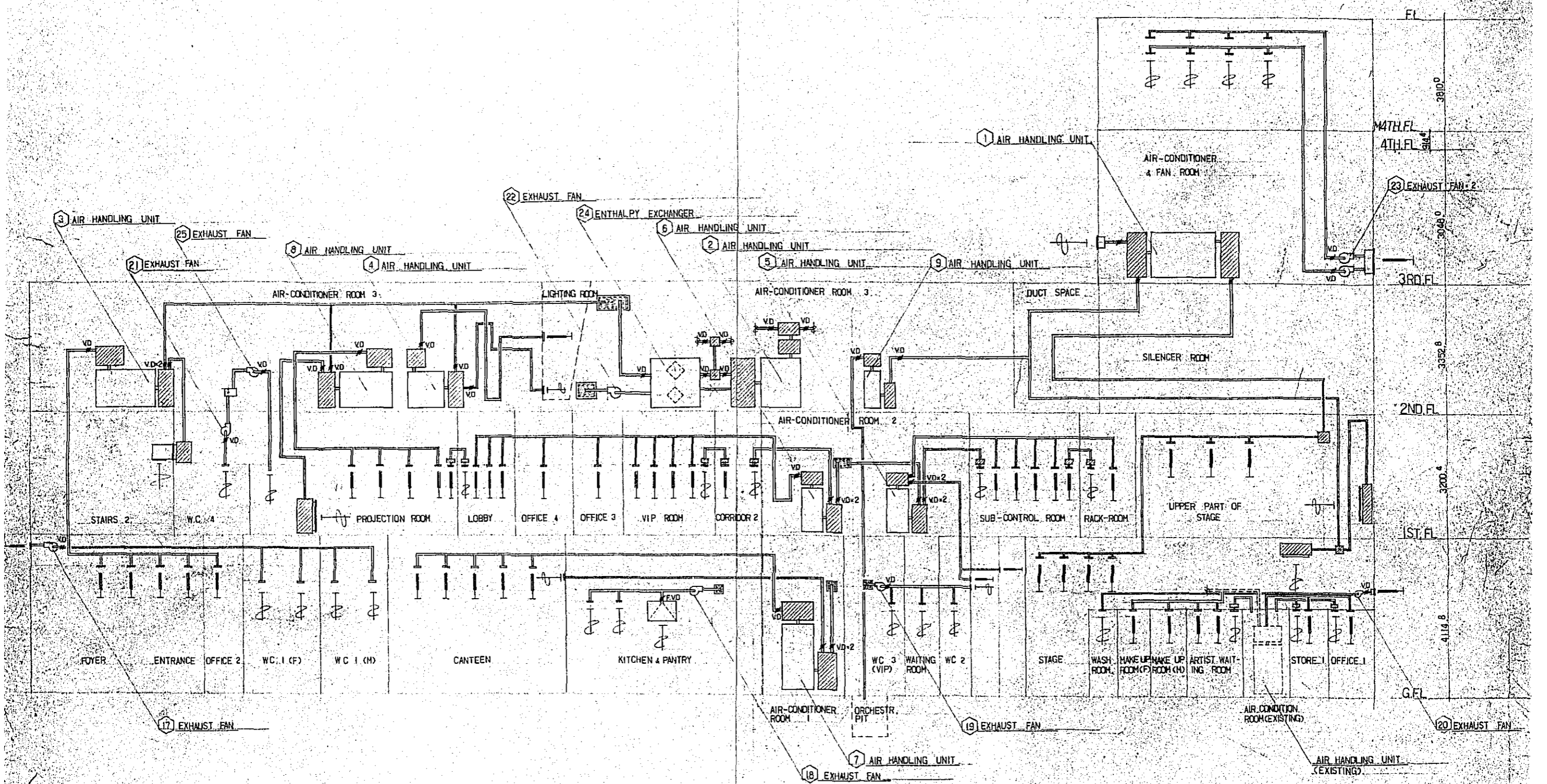
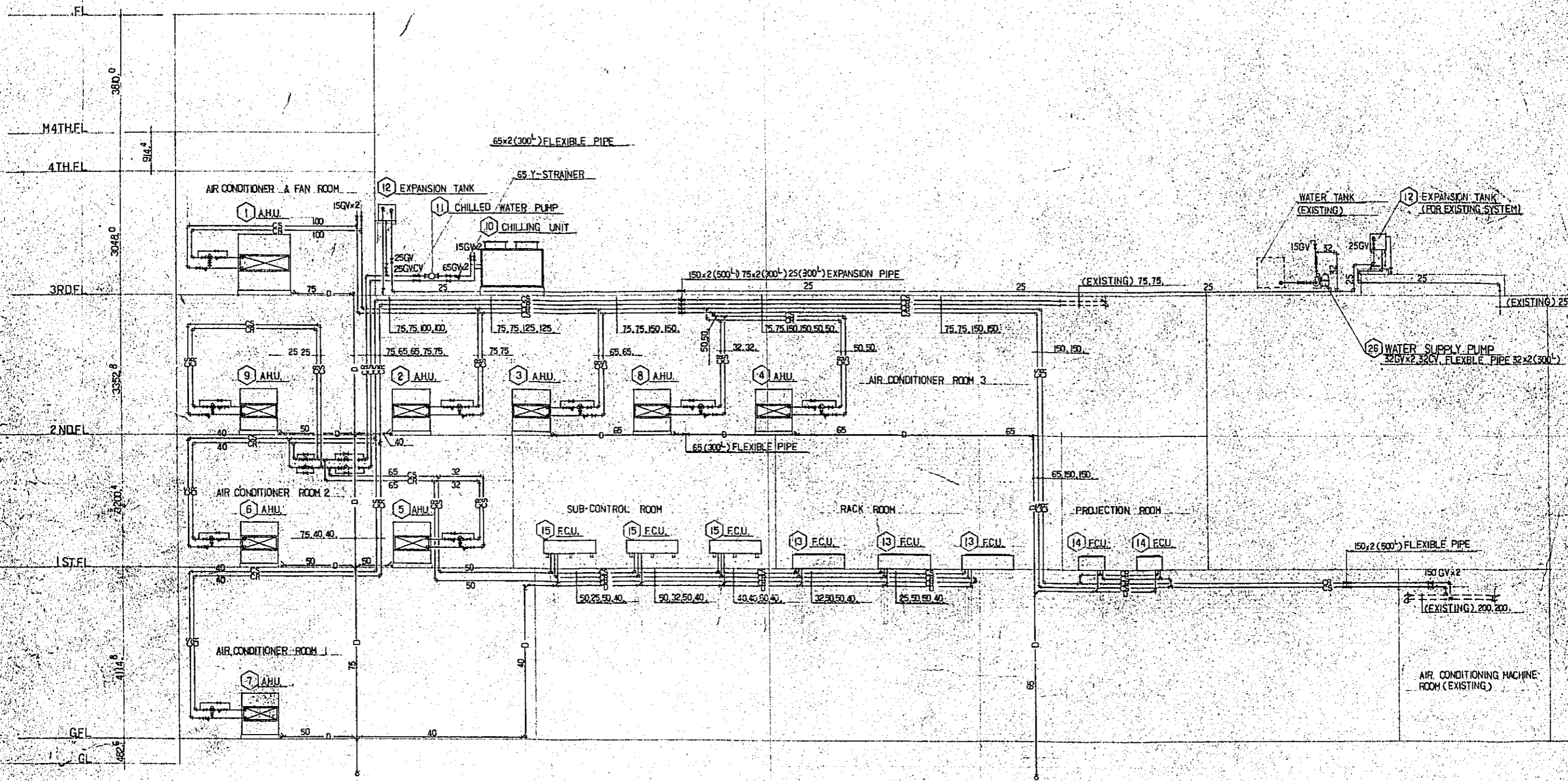


DIAGRAM OF DUCT SYSTEM

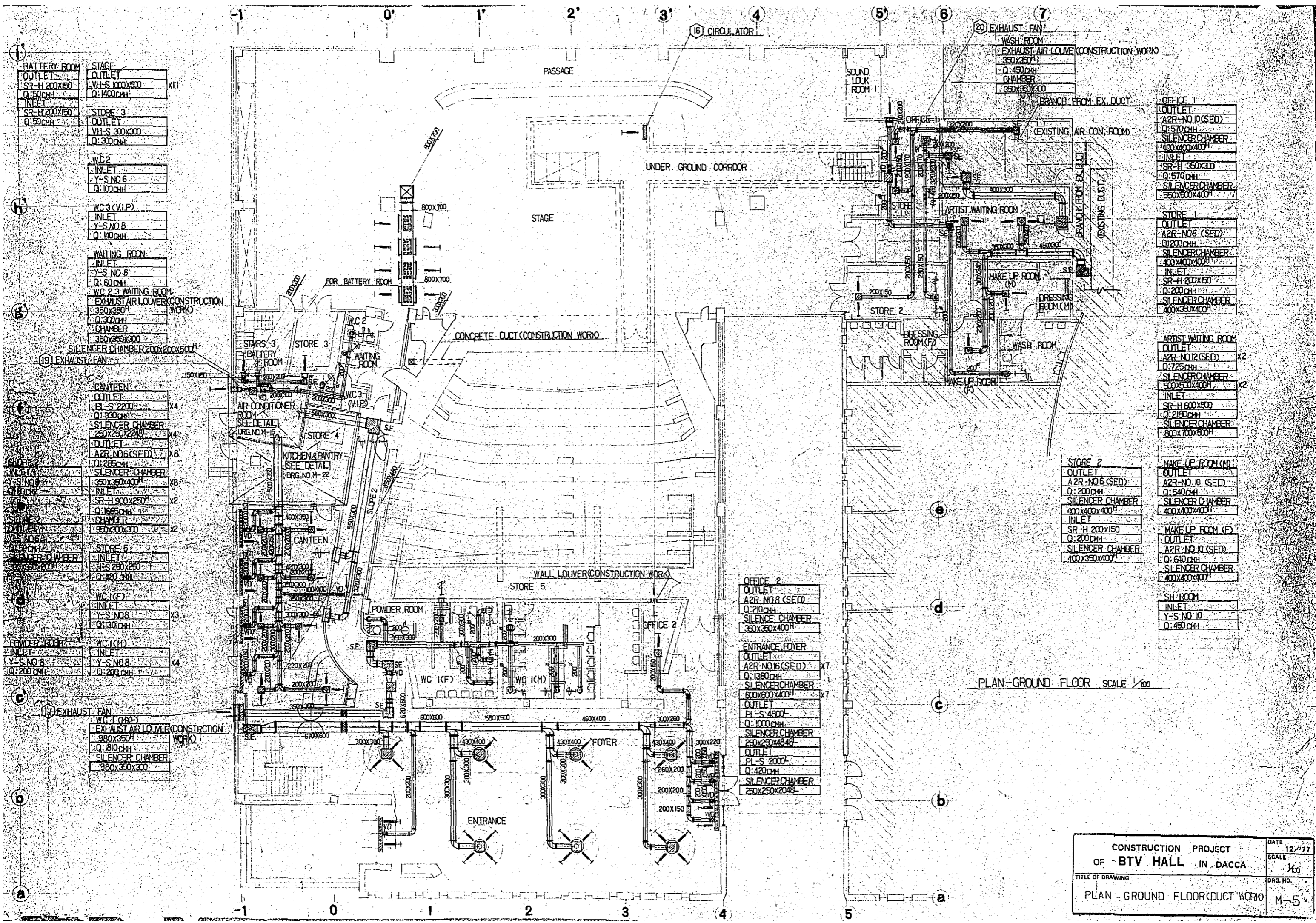
CONSTRUCTION PROJECT OF BTV HALL IN DACCA		DATE 12/77
TITLE OF DRAWING DIAGRAM OF DUCT SYSTEM		SCALE ---
		DRG. NO. M-3



FLOW DIAGRAM OF PIPING

CONSTRUCTION PROJECT OF BTV HALL IN DACCA		DATE 12/77
TITLE OF DRAWING FLOW DIAGRAM OF PIPING		SCALE
		DRG. NO. M-4





BATTERY ROOM	STAGE
OUTLET	OUTLET
SR-H 200x60	VH-S 1000x300
Q: 150 cfm	Q: 1400 cfm
INLET	
SR-H 200x60	STORE 3
Q: 50 cfm	OUTLET
	VH-S 300x300
	Q: 300 cfm

WC 2
INLET
Y-S NO 6
Q: 100 cfm
WC 3 (V.I.P)
INLET
Y-S NO 6
Q: 140 cfm

WAITING ROOM
INLET
Y-S NO 6
Q: 60 cfm
WC 2,3 WAITING ROOM
EXHAUST AIR LOUVER (CONSTRUCTION WORK)
350x350
Q: 300 cfm
CHAMBER
350x350x300

19 EXHAUST FAN
SILENCER CHAMBER 200x200x500
CANTEN
OUTLET
PL-S 2200
Q: 330 cfm
SILENCER CHAMBER
250x250x220
Q: 285 cfm

OUTLET
A2R NO 6 (SED)
Q: 285 cfm
SILENCER CHAMBER
350x350x400
Q: 165 cfm
CHAMBER
350x300x300

WC 1 (F)
INLET
Y-S NO 6
Q: 130 cfm
WC 1 (M)
INLET
Y-S NO 8
Q: 200 cfm

WC 1 (M)
INLET
Y-S NO 8
Q: 200 cfm
WC 1 (M)
INLET
Y-S NO 8
Q: 200 cfm

17 EXHAUST FAN
WC 1 (M)
EXHAUST AIR LOUVER (CONSTRUCTION WORK)
980x350
Q: 1810 cfm
SILENCER CHAMBER
980x350x300

OFFICE 1
OUTLET
A2R-NO 10 (SED)
Q: 570 cfm
SILENCER CHAMBER
400x400x400
INLET
SR-H 350x300
Q: 570 cfm
SILENCER CHAMBER
550x500x400

STORE 1
OUTLET
A2R-NO 6 (SED)
Q: 200 cfm
SILENCER CHAMBER
400x400x400
INLET
SR-H 200x150
Q: 200 cfm
SILENCER CHAMBER
400x350x400

ARTIST WAITING ROOM
OUTLET
A2R-NO 12 (SED)
Q: 725 cfm
SILENCER CHAMBER
600x500x400
INLET
SR-H 600x500
Q: 2180 cfm
SILENCER CHAMBER
800x700x500

MAKE UP ROOM (M)
OUTLET
A2R-NO 10 (SED)
Q: 540 cfm
SILENCER CHAMBER
400x400x400
INLET
SR-H 200x150
Q: 200 cfm
SILENCER CHAMBER
400x350x400

SH. ROOM
INLET
Y-S NO 10
Q: 450 cfm

OFFICE 2
OUTLET
A2R-NO 8 (SED)
Q: 210 cfm
SILENCER CHAMBER
350x250x400

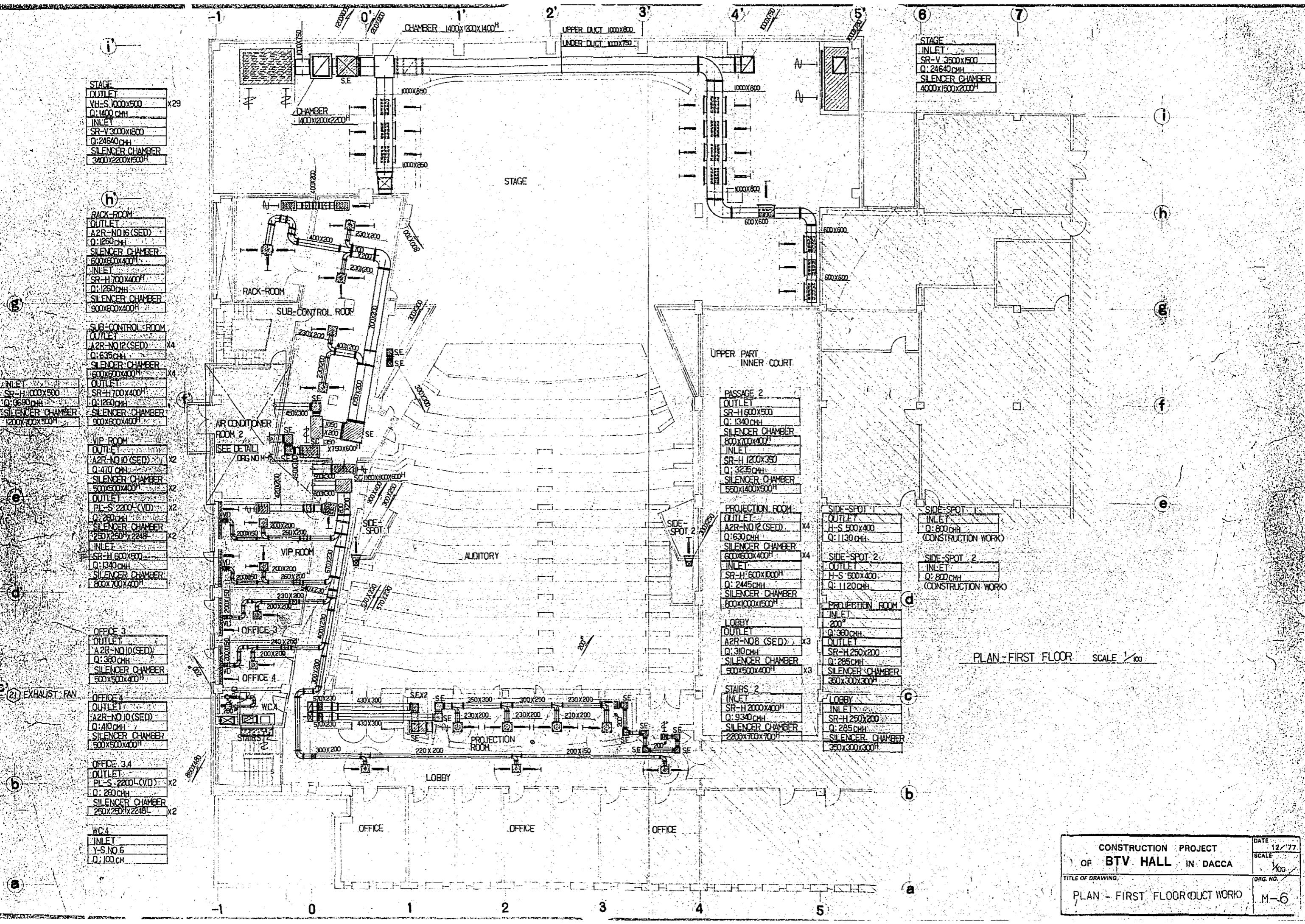
ENTRANCE FOYER
OUTLET
A2R-NO 16 (SED)
Q: 1360 cfm
SILENCER CHAMBER
600x600x400
INLET
PL-S 4800
Q: 1000 cfm
SILENCER CHAMBER
250x250x480

OUTLET
PL-S 2000
Q: 420 cfm
SILENCER CHAMBER
250x250x2048

STORE 2
OUTLET
A2R-NO 6 (SED)
Q: 200 cfm
SILENCER CHAMBER
400x400x400
INLET
SR-H 200x150
Q: 200 cfm
SILENCER CHAMBER
400x350x400

PLAN-GROUND FLOOR SCALE 1/100

CONSTRUCTION PROJECT		DATE	12/77
OF BTV HALL IN DACCA		SCALE	1/100
TITLE OF DRAWING		DRG. NO.	M-5
PLAN - GROUND FLOOR (DUCT WORK)			



STAGE	
OUTLET	
VH-S 1000x500	x29
Q: 1400 C/MH	
INLET	
SR-V 3000x1800	
Q: 24640 C/MH	
SILENCER CHAMBER	
3400x2200x1500 <sup>H</sup>	

RACK-ROOM	
OUTLET	
A2R-NO 16 (SED)	
Q: 1260 C/MH	
SILENCER CHAMBER	
600x600x400 <sup>H</sup>	
INLET	
SR-H 700x400 <sup>H</sup>	
Q: 1260 C/MH	
SILENCER CHAMBER	
900x600x400 <sup>H</sup>	

SUB-CONTROL ROOM	
OUTLET	
A2R-NO 12 (SED)	x4
Q: 635 C/MH	
SILENCER CHAMBER	
600x600x400 <sup>H</sup>	
INLET	
SR-H 1000x500	
Q: 1260 C/MH	
SILENCER CHAMBER	
200x300x500 <sup>H</sup>	
SR-H 700x400 <sup>H</sup>	
Q: 1260 C/MH	
SILENCER CHAMBER	
900x600x400 <sup>H</sup>	

VIP ROOM	
OUTLET	
A2R-NO 10 (SED)	x2
Q: 470 C/MH	
SILENCER CHAMBER	
500x500x400 <sup>H</sup>	
OUTLET	
PL-S 2200 (VD)	x2
Q: 260 C/MH	
SILENCER CHAMBER	
250x250x2248	x2
INLET	
SR-H 600x600	
Q: 1340 C/MH	
SILENCER CHAMBER	
800x700x400 <sup>H</sup>	

OFFICE 3	
OUTLET	
A2R-NO 10 (SED)	
Q: 360 C/MH	
SILENCER CHAMBER	
500x500x400 <sup>H</sup>	

OFFICE 4	
OUTLET	
A2R-NO 10 (SED)	
Q: 410 C/MH	
SILENCER CHAMBER	
500x500x400 <sup>H</sup>	

OFFICE 3A	
OUTLET	
PL-S 2200 (VD)	x2
Q: 260 C/MH	
SILENCER CHAMBER	
250x250x2248	x2

WC 4	
INLET	
Y-S NO 6	
Q: 100 C/MH	

STAGE	
INLET	
SR-V 3500x1500	
Q: 24640 C/MH	
SILENCER CHAMBER	
4000x1500x2000 <sup>H</sup>	

PASSAGE 2	
OUTLET	
SR-H 600x500	
Q: 1340 C/MH	
SILENCER CHAMBER	
600x700x400 <sup>H</sup>	
INLET	
SR-H 1200x350	
Q: 3235 C/MH	
SILENCER CHAMBER	
550x1400x500 <sup>H</sup>	

PROJECTION ROOM	
OUTLET	
A2R-NO 12 (SED)	x4
Q: 630 C/MH	
SILENCER CHAMBER	
600x600x400 <sup>H</sup>	x4
INLET	
SR-H 600x1000 <sup>H</sup>	
Q: 2445 C/MH	
SILENCER CHAMBER	
800x1000x1500 <sup>H</sup>	

LOBBY	
OUTLET	
A2R-NO 8 (SED)	x3
Q: 310 C/MH	
SILENCER CHAMBER	
500x500x400 <sup>H</sup>	x3

STAIRS 2	
INLET	
SR-H 2000x400 <sup>H</sup>	
Q: 9340 C/MH	
SILENCER CHAMBER	
2200x700x700 <sup>H</sup>	

SIDE-SPOT 1	
OUTLET	
H-S 500x400	
Q: 1130 C/MH	

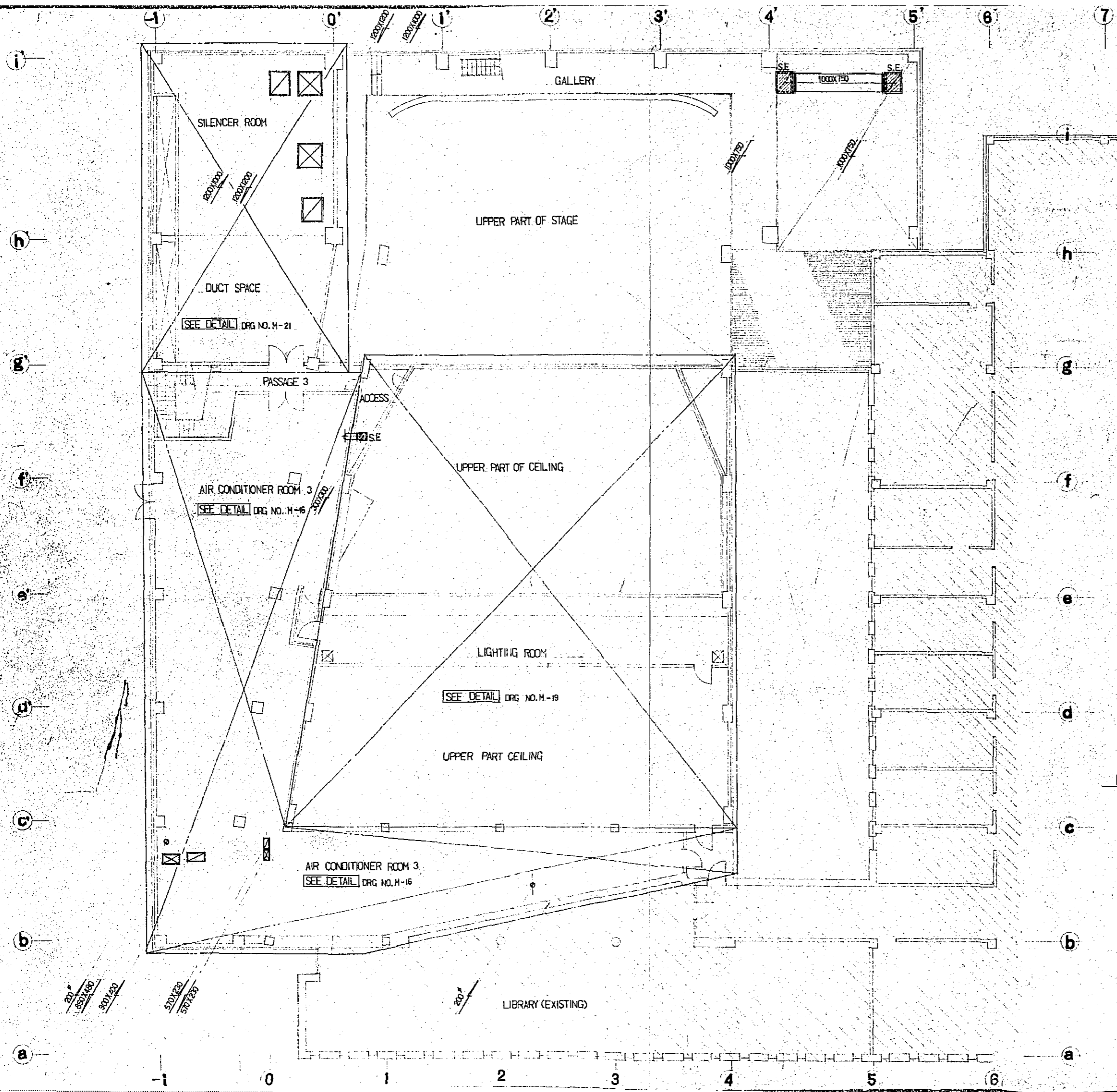
SIDE-SPOT 2	
OUTLET	
H-S 600x400	
Q: 1120 C/MH	

PROJECTION ROOM	
INLET	
200 <sup>H</sup>	
Q: 360 C/MH	
OUTLET	
SR-H 250x200	
Q: 285 C/MH	
SILENCER CHAMBER	
350x300x300 <sup>H</sup>	

LOBBY	
INLET	
SR-H 250x200	
Q: 285 C/MH	
SILENCER CHAMBER	
350x300x300 <sup>H</sup>	

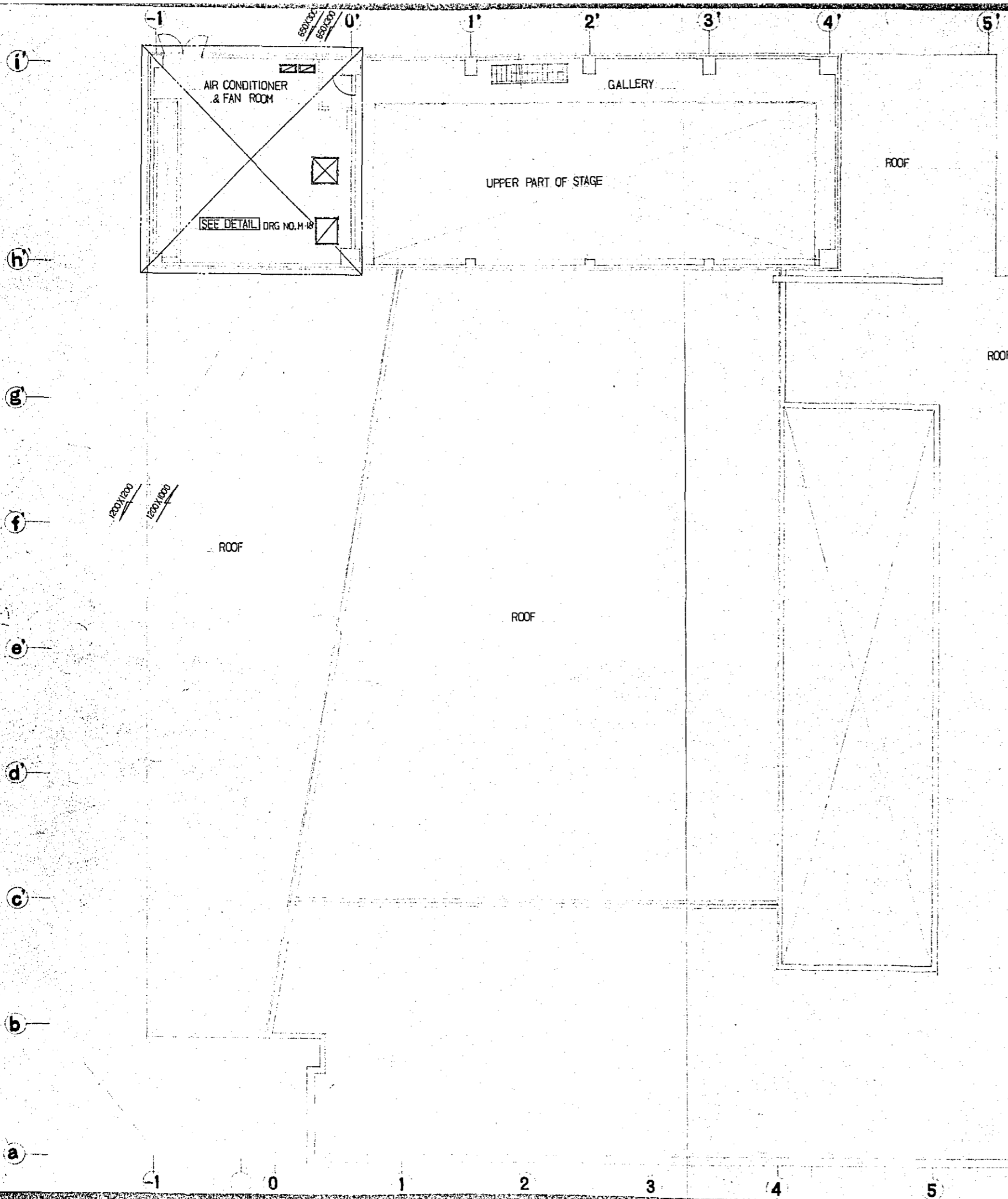
PLAN - FIRST FLOOR SCALE 1/100

CONSTRUCTION PROJECT		DATE	12/77
OF BTV HALL IN DACCA		SCALE	1/100
TITLE OF DRAWING		DRG. NO.	M-6
PLAN - FIRST FLOOR (DUCT WORK)			



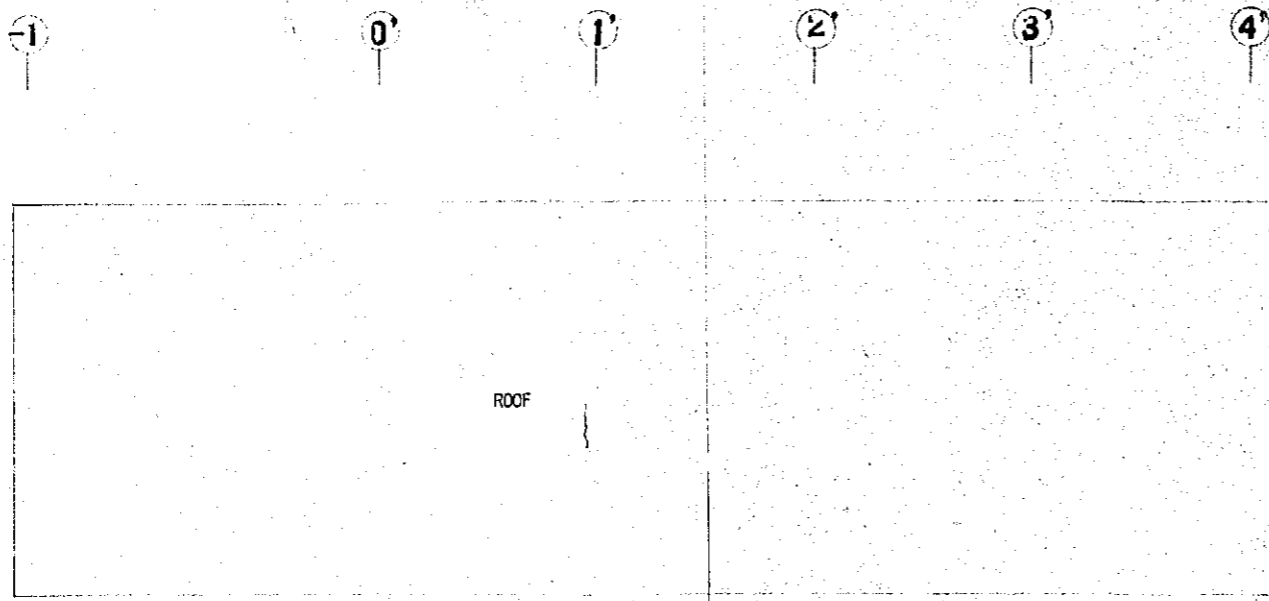
PLAN - SECOND FLOOR SCALE: 1/100

CONSTRUCTION PROJECT		DATE
OF BTV HALL IN DACCA		12/77
TITLE OF DRAWING		SCALE
PLAN - SECOND FLOOR (DUCT WORK)		1/100
DRG. NO.		M-7

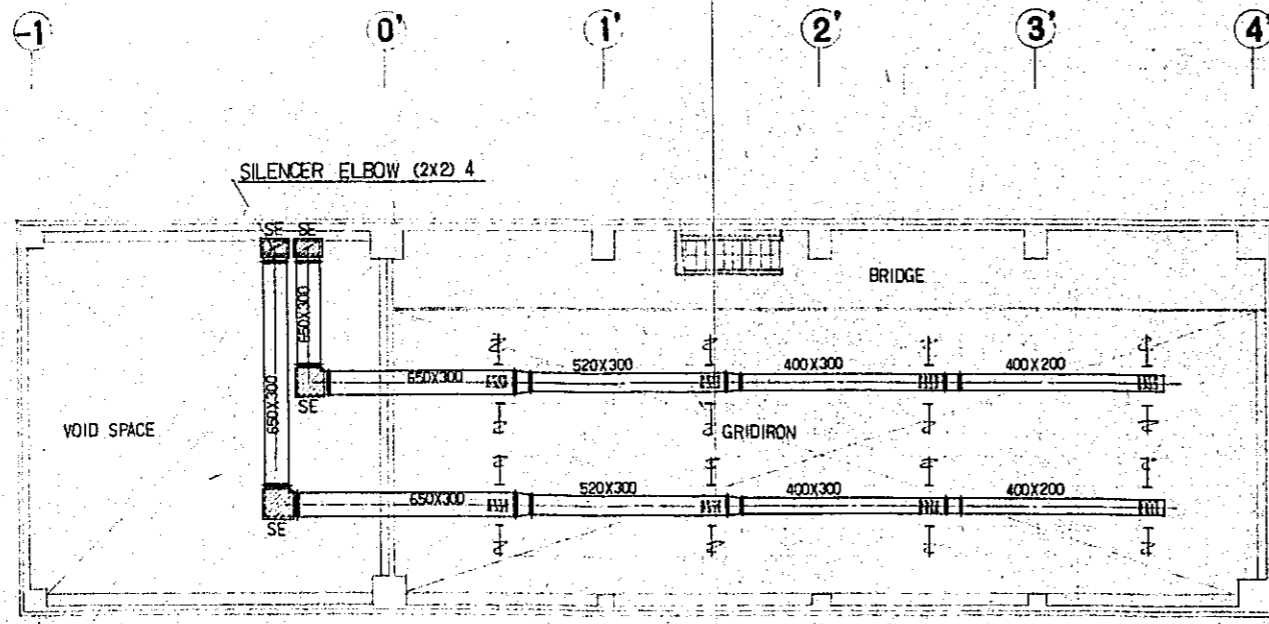


PLAN-THIRD FLOOR SCALE: 1/100

CONSTRUCTION PROJECT		DATE
OF BTV HALL IN DACCA		12/'77
TITLE OF DRAWING		SCALE
PLAN - THIRD FLOOR (DUCT WORK)		1/100
		DRG. NO.
		M-8



PLAN - ROOF FLOOR SCALE 1/100



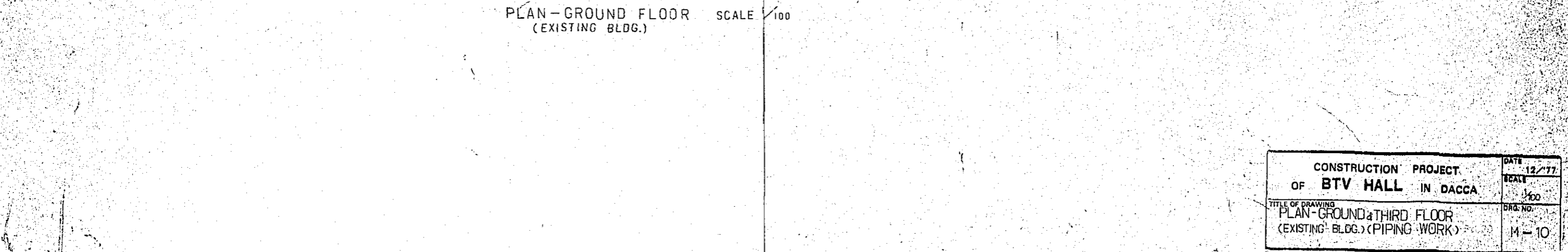
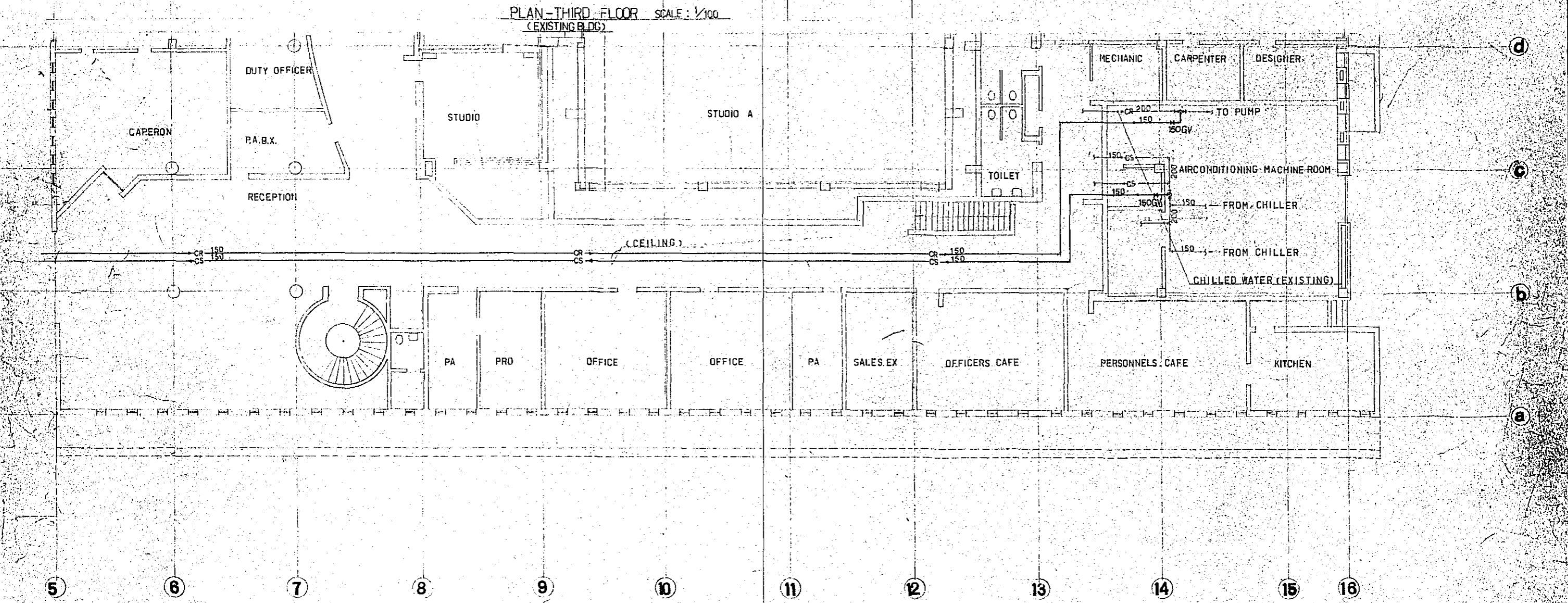
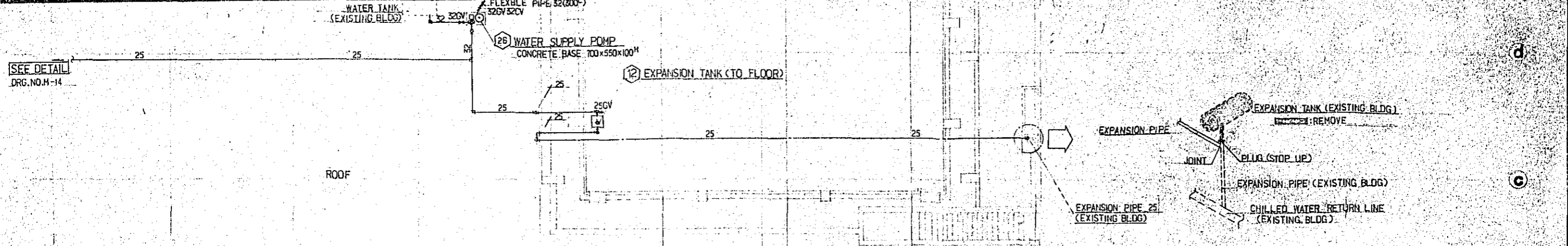
PLAN - FOURTH FLOOR SCALE: 1/100

EXPLANATION OF SYMBOLS FOR DUCT WORK

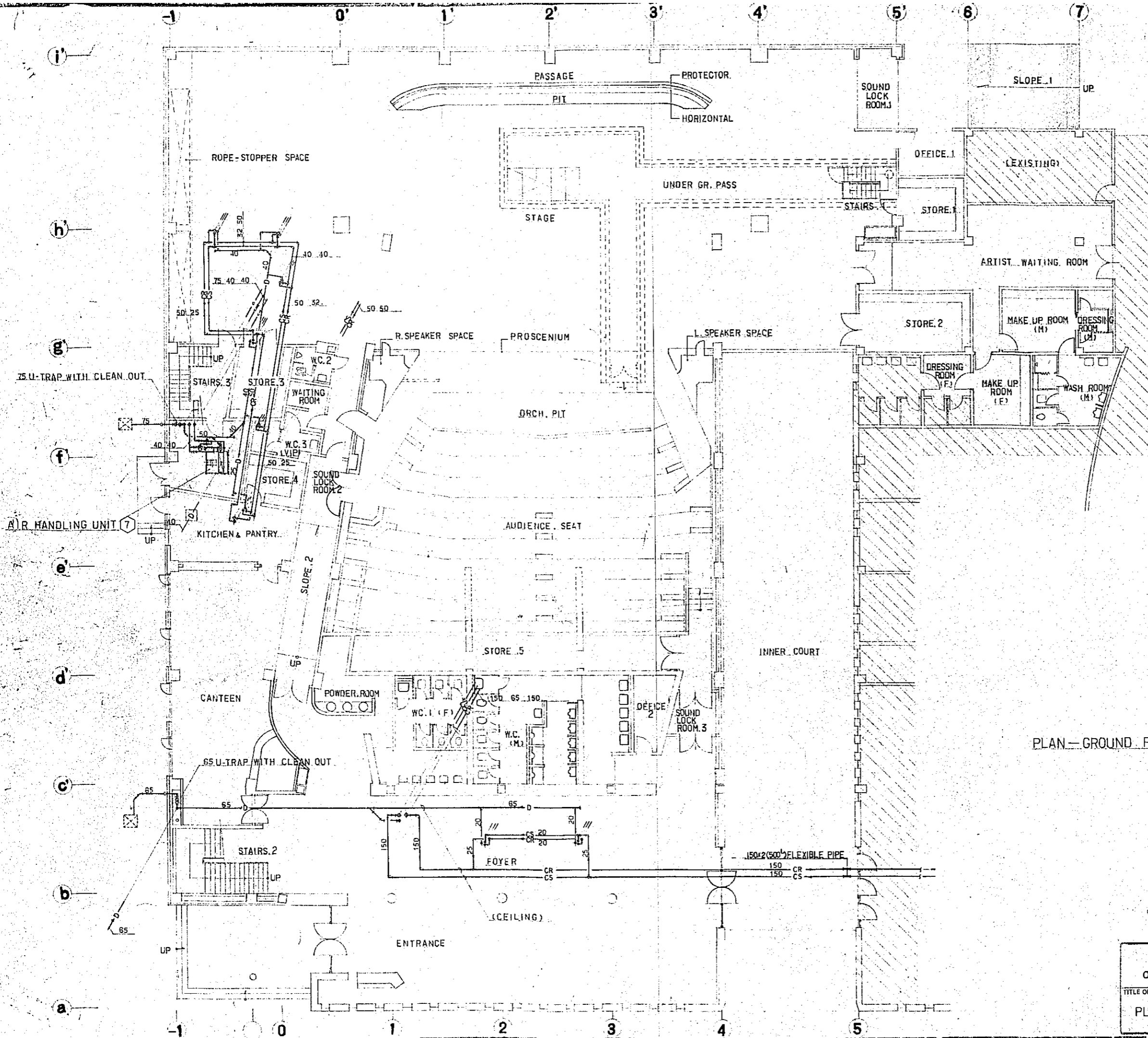
SYMBOLS	ITEMS
	AIR DUCT (GALVANIZED STEEL SHEET)
	AIR VOLUM DAMPER
	AIR CHAMBER
	SILENCER CHAMBER
	SILENCER ELBOW
	OUTLET
	OUTLET
	INLET
	INLET
	FLEXIBLE CANVAS DUCT
	SOUND PROOF DUCT (MORTAR 25')

INLET	
H-S 500X300	x8
Q-800 <sup>CH</sup>	

CONSTRUCTION PROJECT		DATE
OF BTV HALL IN DACCA		12/77
TITLE OF DRAWING		SCALE
PLAN - FOURTH & ROOF FLOOR & EXPLANATION OF SYMBOLS FOR DUCT WORK		1/100
DRG. NO.		M-9

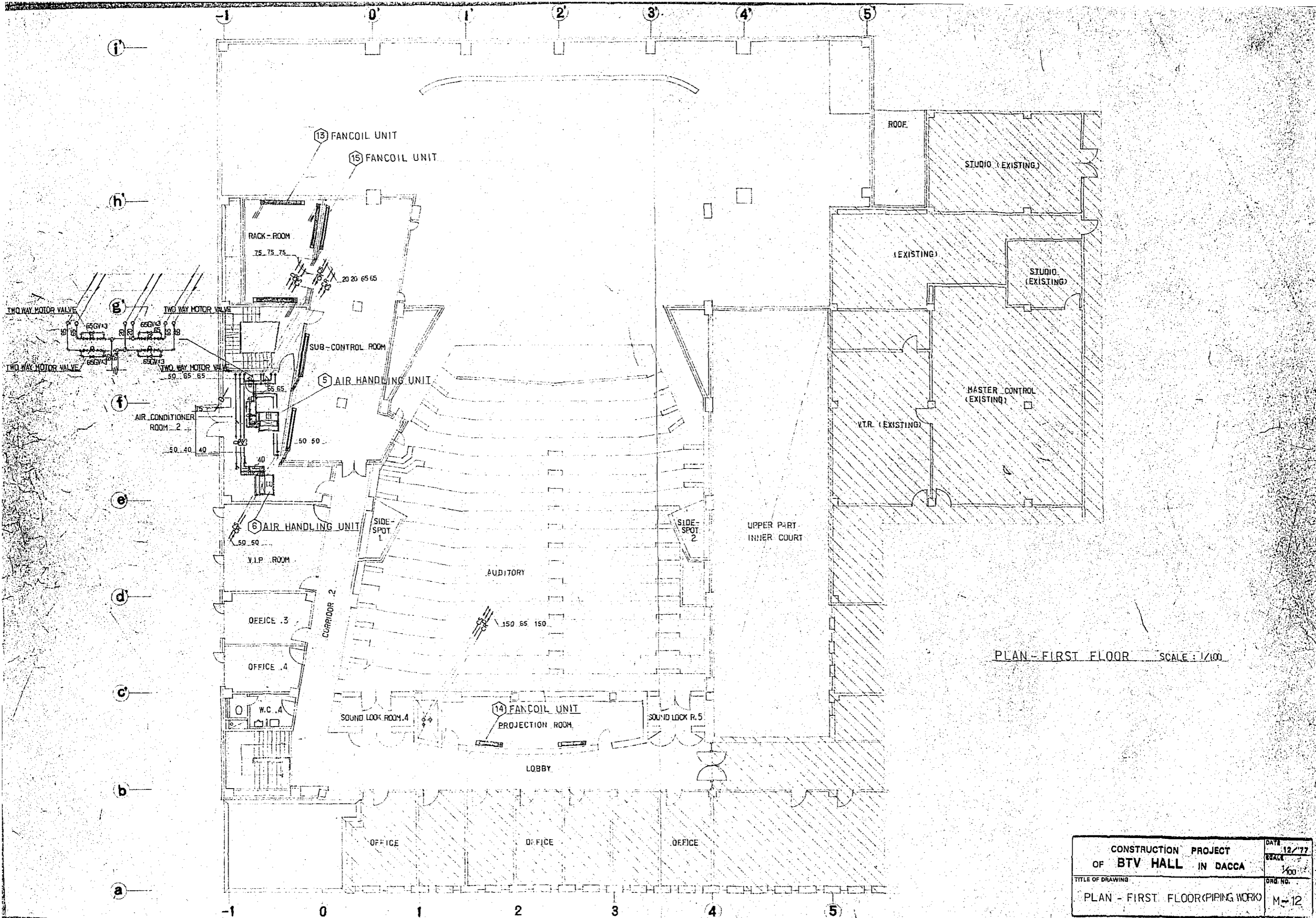


CONSTRUCTION PROJECT		DATE
OF BTV HALL IN DACCA		12/77
TITLE OF DRAWING		SCALE
PLAN - GROUND & THIRD FLOOR (EXISTING BLDG.) (PIPING WORK)		1/100
DRG. NO.		M-10



PLAN - GROUND FLOOR SCALE : 1/100

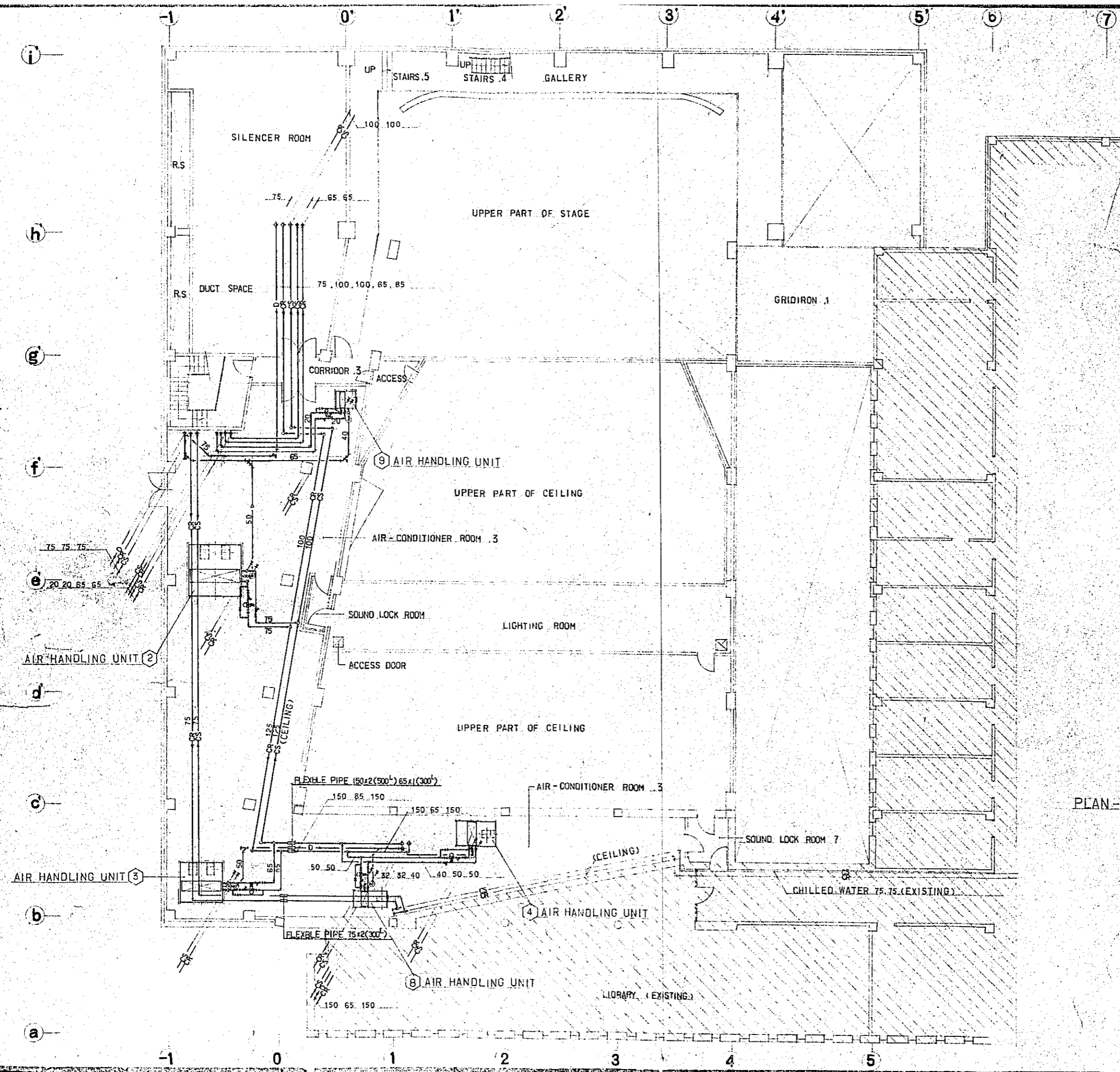
CONSTRUCTION PROJECT		DATE
OF BTV HALL IN DACCA		12/77
TITLE OF DRAWING		SCALE
PLAN - GROUND FLOOR (PIPING WORK)		1/100
DRG. NO.		M-11



PLAN - FIRST FLOOR SCALE : 1/100

CONSTRUCTION PROJECT		DATE 12/77
OF BTV HALL IN DACCA		SCALE 1/100
TITLE OF DRAWING		DRG. NO.
PLAN - FIRST FLOOR (PIPING WORK)		M-12

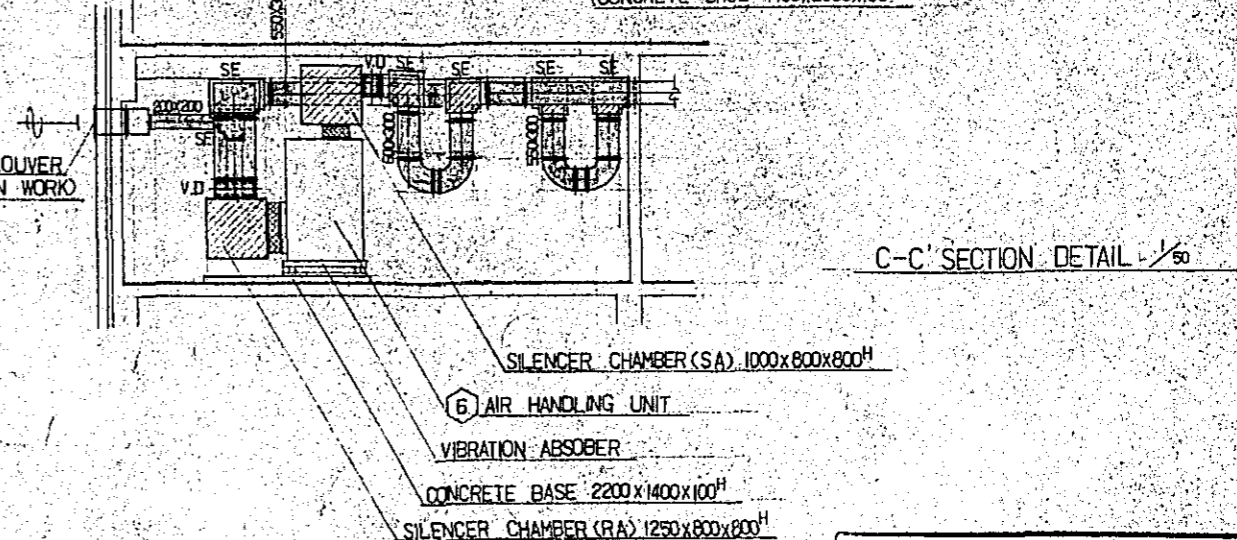
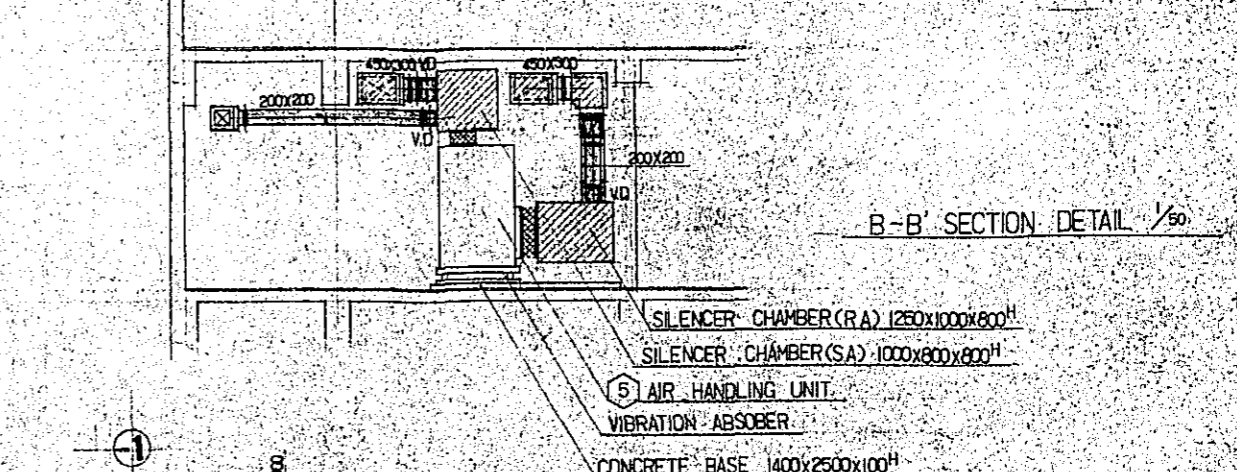
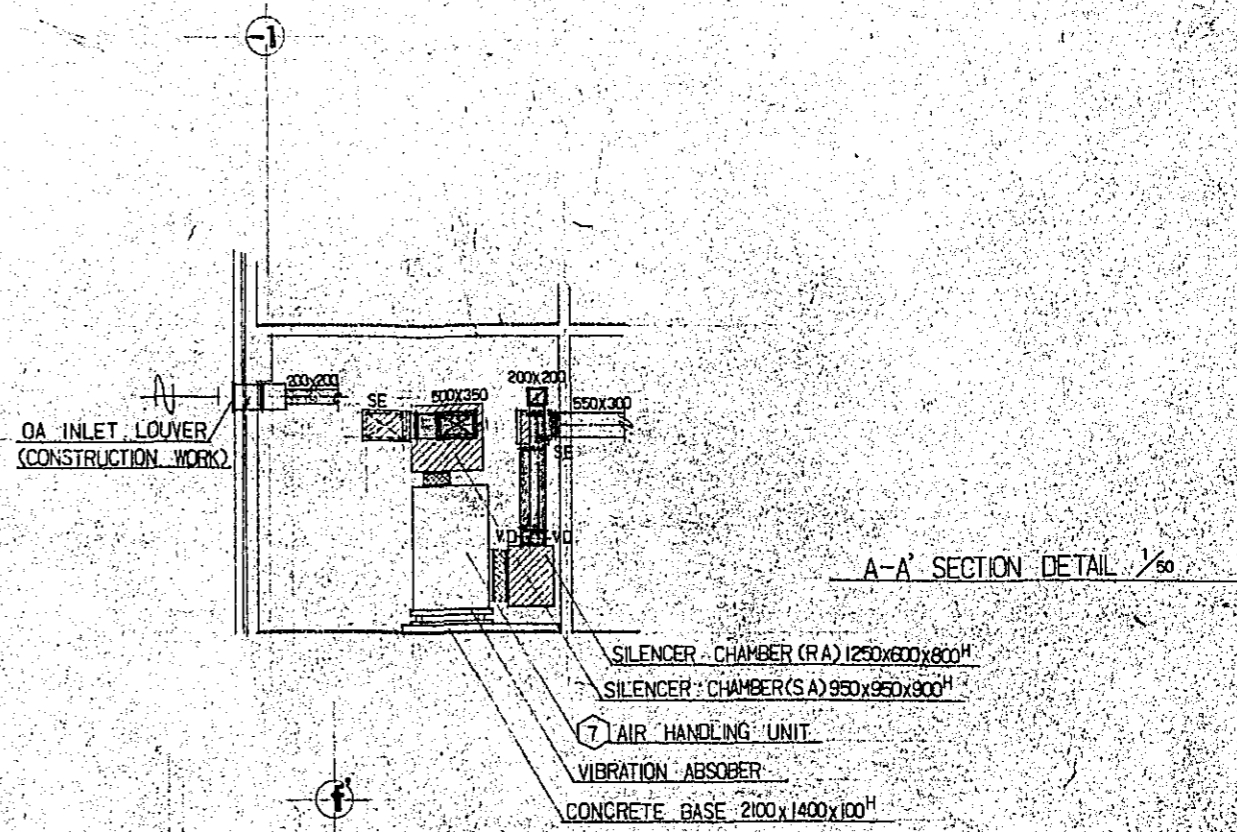
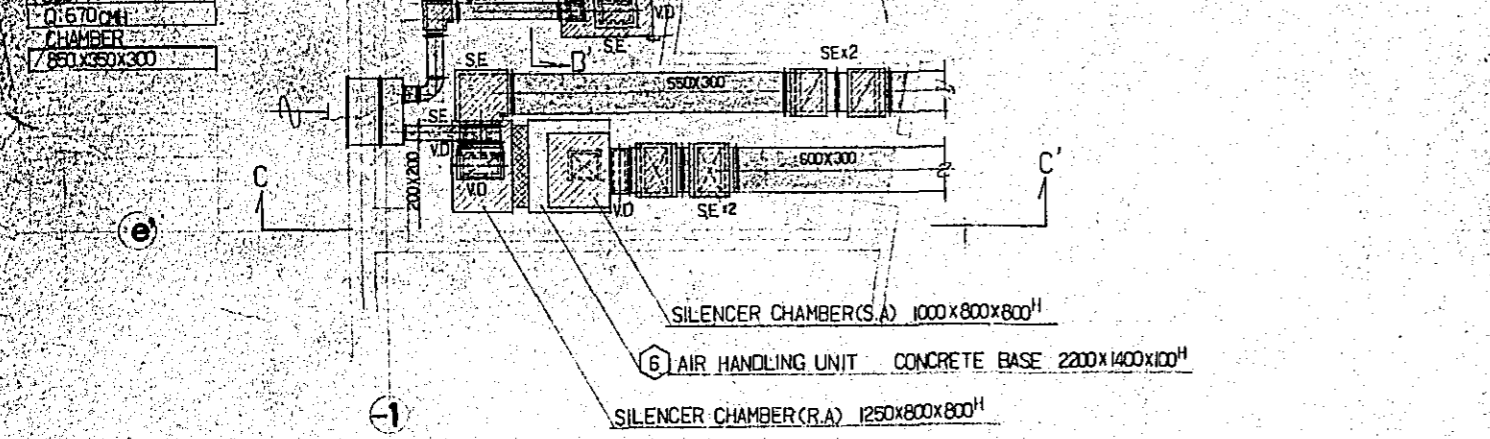
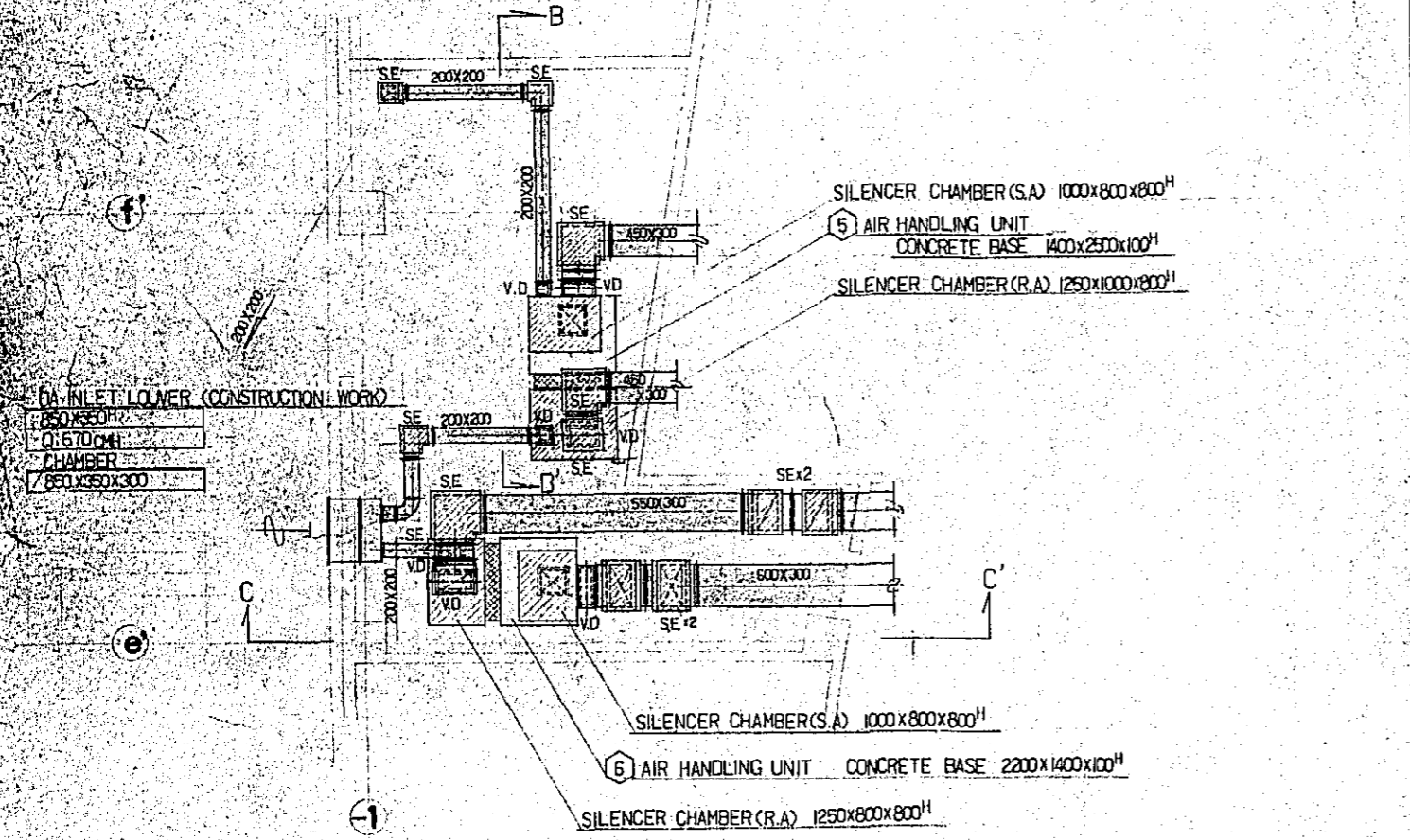
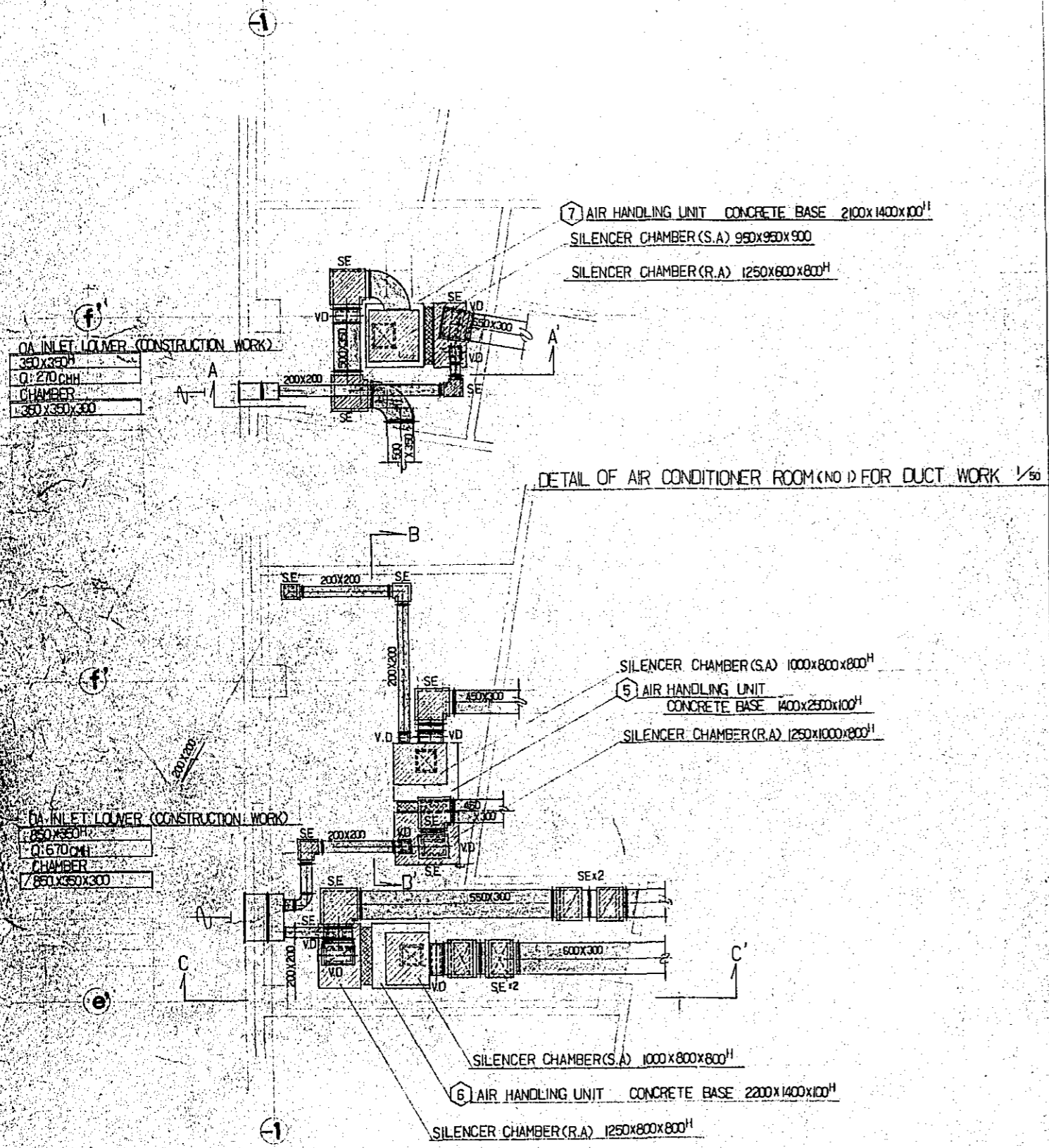




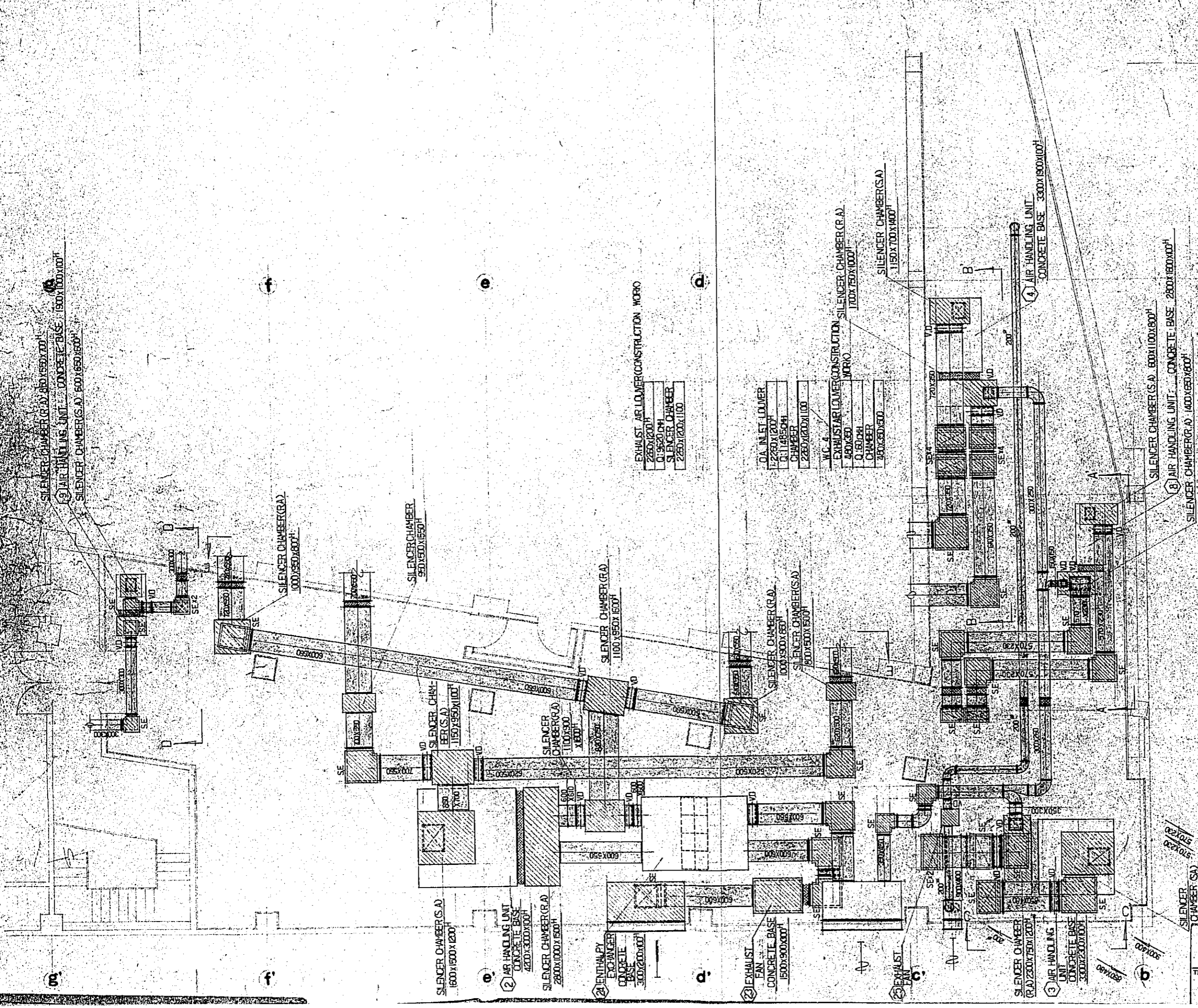
PLAN - SECOND FLOOR SCALE: 1/100

CONSTRUCTION PROJECT		DATE	12/77
OF BTV HALL IN DACCA		SCALE	1/100
TITLE OF DRAWING		DRG. NO.	M-13
PLAN - SECOND FLOOR (PIPING WORK)			





CONSTRUCTION PROJECT		DATE
OF BTV HALL IN DACCA		12/77
TITLE OF DRAWING		SCALE
DETAILS OF AIR CONDITIONER ROOM (NO. 1 NO. 2) FOR DUCT WORK & SECTION		1/50
		DRO. NO.
		M-15



SILENCER CHAMBER (R.A.) 850X550X700"  
 AIR HANDLING UNIT CONCRETE BASE 1500X1000X100"  
 SILENCER CHAMBER (S.A.) 600X650X600"

SILENCER CHAMBER (R.A.) 1000X950X800"  
 SILENCER CHAMBER 950X500X1550"

SILENCER CHAMBER (S.A.) 600X1500X1200"  
 AIR HANDLING UNIT CONCRETE BASE 4200X3000X100"  
 SILENCER CHAMBER (R.A.) 2800X1000X1500"

SILENCER CHAMBER (S.A.) 1150X950X1100"  
 SILENCER CHAMBER (R.A.) 1100X900X1600"  
 SILENCER CHAMBER (R.A.) 1000X900X800"  
 SILENCER CHAMBER (S.A.) 800X500X1500"

ENTHALPY EXCHANGER CONCRETE BASE 3100X2100X100"  
 EXHAUST FAN CONCRETE BASE 1500X900X100"

EXHAUST AIR LOWER CONSTRUCTION WORK  
 2800X1200"  
 0.19520 CH.  
 SILENCER CHAMBER 2800X1200X1100

OA INLET LOWER 2280X1200"  
 0.114850 CH.  
 CHAMBER 2280X1200X1100

EXHAUST AIR LOWER CONSTRUCTION WORK  
 SILENCER CHAMBER (R.A.) 1700X750X1000"  
 480X350  
 0.16024 CH.  
 CHAMBER 480X350X600  
 SILENCER CHAMBER (S.A.) 1150X700X1400"

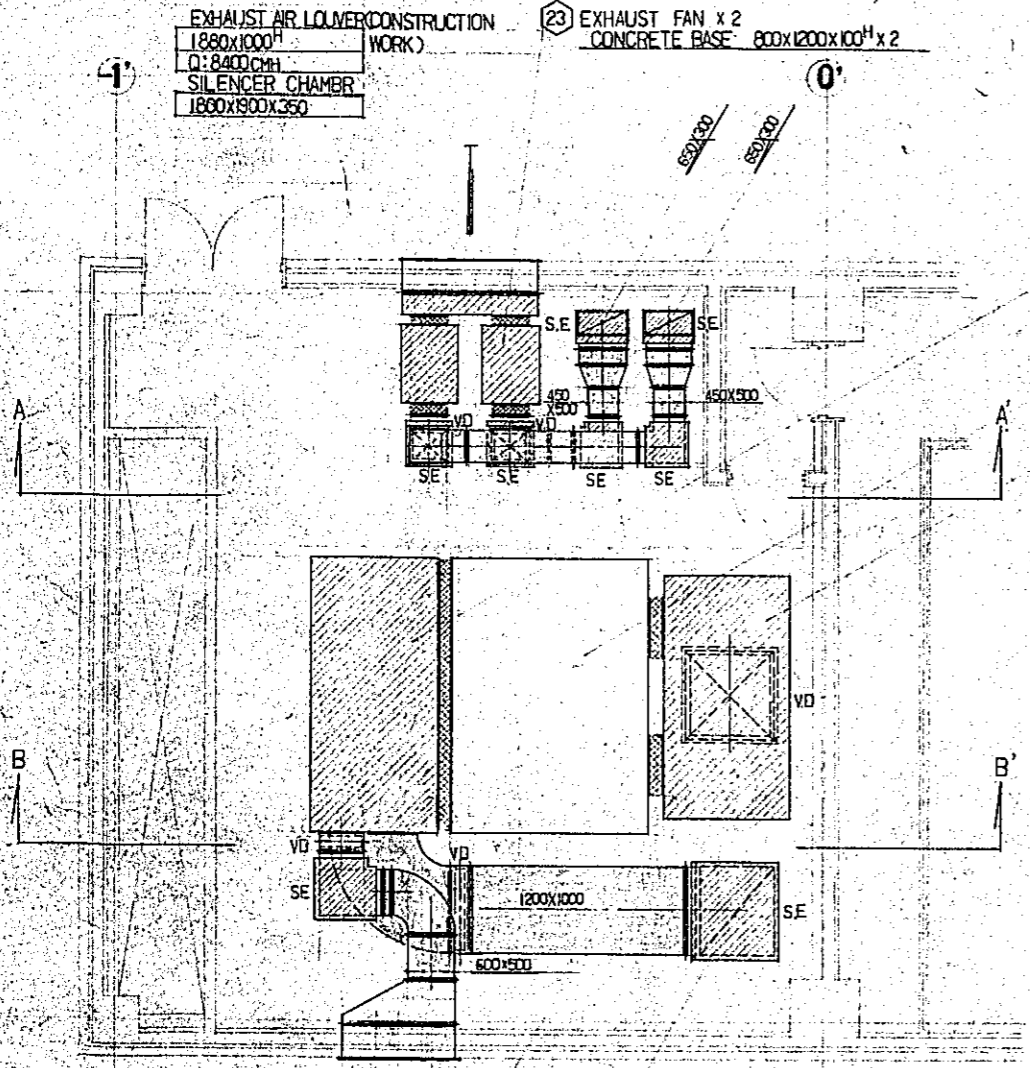
AIR HANDLING UNIT CONCRETE BASE 3300X1900X100"  
 SILENCER CHAMBER (S.A.) 600X1000X800"  
 AIR HANDLING UNIT CONCRETE BASE 2800X1800X100"  
 SILENCER CHAMBER (R.A.) 1400X650X800"

SILENCER CHAMBER (S.A.) 1500X1200X1000"

CONSTRUCTION PROJECT OF BTV HALL IN DACCA  
 TITLE OF DRAWING: DETAIL OF AIR CONDITIONER ROOM (NO.3) FOR DUCT WORK  
 DATE: 12/7  
 SCALE: 1/50  
 DRG. NO.: M-16

DETAIL OF AIR CONDITIONER ROOM (NO.3) FOR DUCT WORK 1/50





EXHAUST AIR LOUVER (CONSTRUCTION WORK)  
 1880x1000<sup>H</sup>  
 Q: 8400 CMH  
 SILENCER CHAMBER  
 1800x1900x350

EXHAUST FAN x 2  
 CONCRETE BASE 800x1200x100<sup>H</sup> x 2

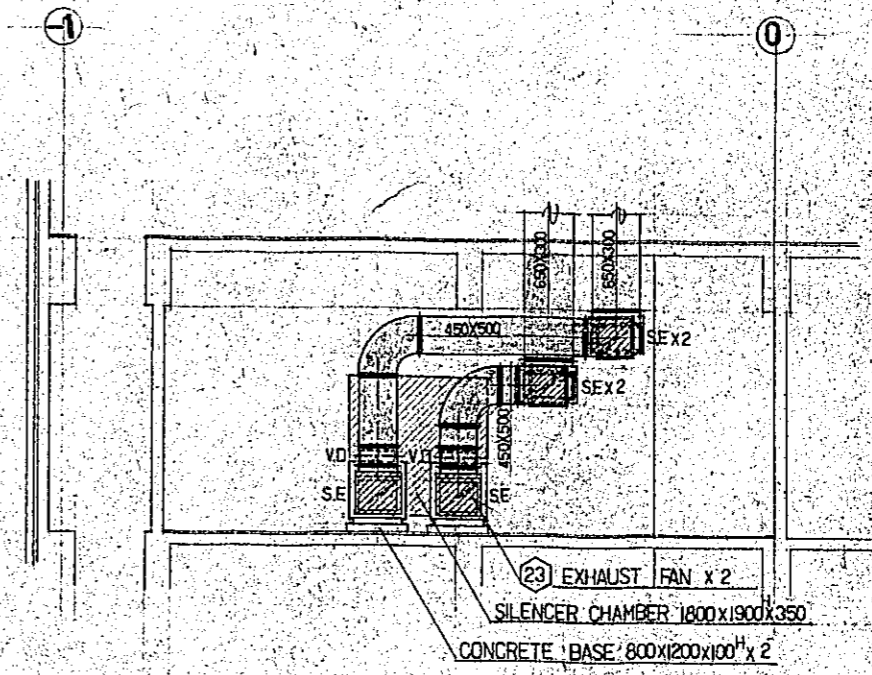
SILENCER CHAMBER (RA)  
 3700x1700x2650<sup>H</sup>

AIR HANDLING UNIT  
 CONCRETE BASE 4700x3900x50<sup>H</sup>

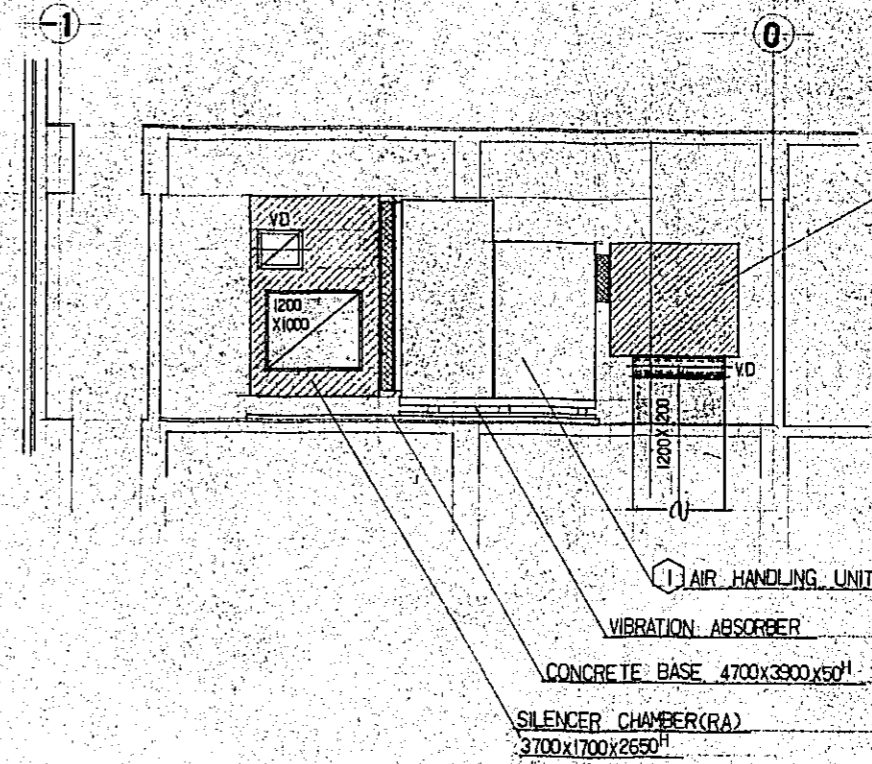
SILENCER CHAMBER (SA)  
 3300x1700x1500<sup>H</sup>

OA INLET LOUVER (CONSTRUCTION WORK)  
 1500x1200<sup>H</sup>  
 Q: 8400 CMH  
 CHAMBER  
 1500x1200x600

DETAIL OF AIR CONDITIONER & FAN ROOM FOR DUCT WORK 1/50

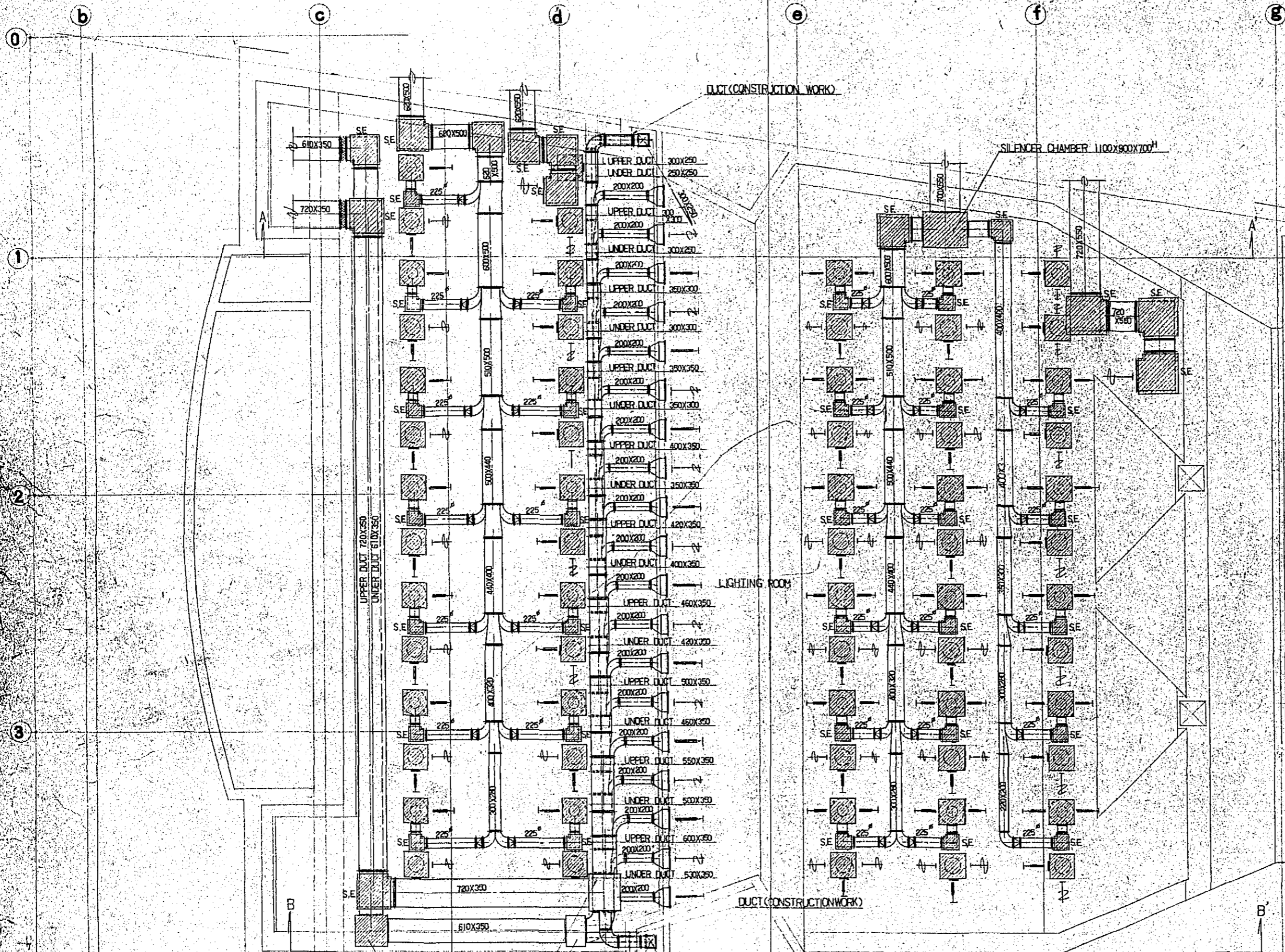


A-A' SECTION DETAIL 1/50



B-B' SECTION DETAIL 1/50

CONSTRUCTION PROJECT		DATE 12/77
OF BTV HALL IN DACCA		SCALE 1/50
TITLE OF DRAWING	DETAILS OF AIR CONDITIONER & FAN ROOM FOR DUCT WORK SECTION	DRG. NO. M-18



AUDIENCE SEAT	
OUTLET	
BR-AC NO 2 (SED)	X30+2 (USED FOR DECORATION)
Q: 610 CMH	
SILENCER CHAMBER	
650x650x500 <sup>H</sup>	X32
INLET	
SE-NO 14	X32
Q: 610 CMH	
SILENCER CHAMBER	
650x650x350 <sup>H</sup>	X32

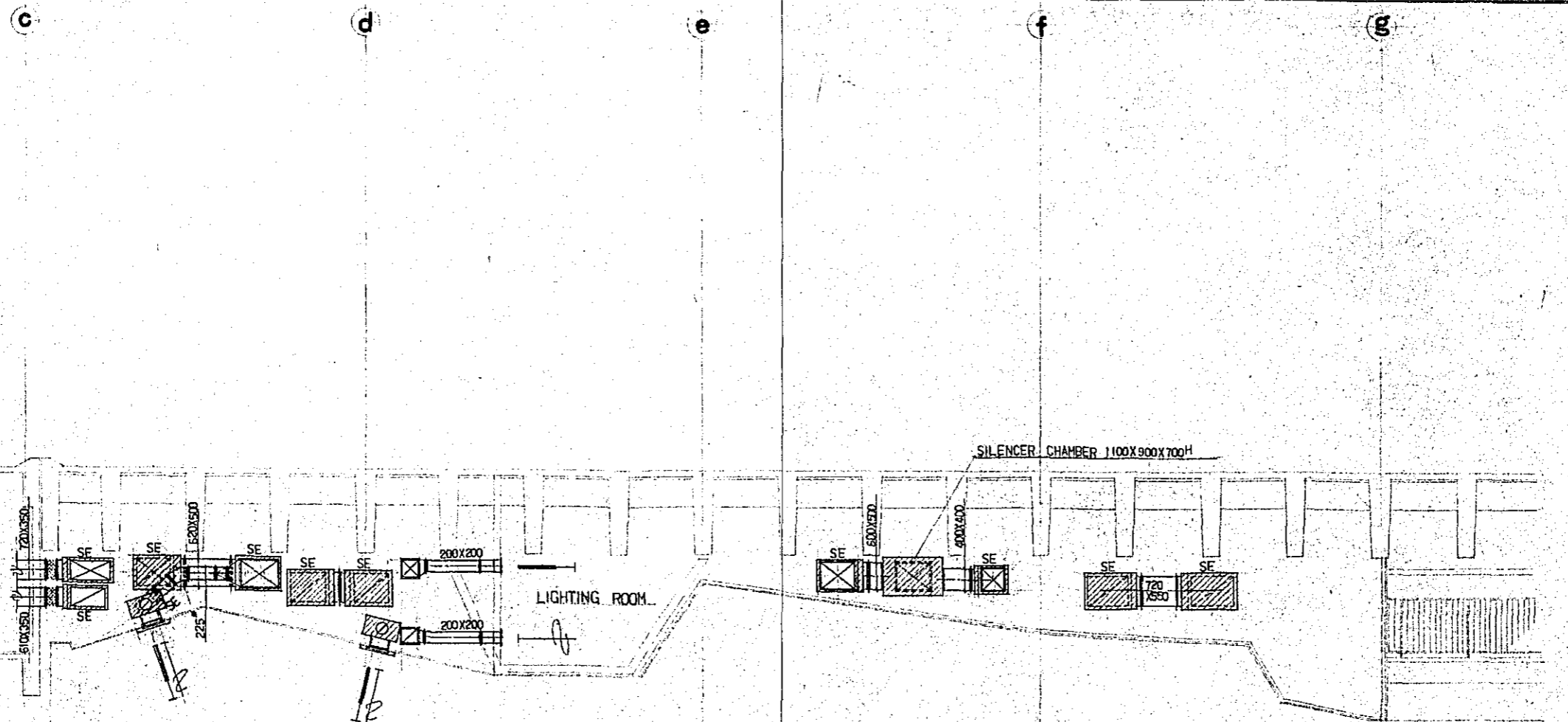
LIGHT ROOM	
OUTLET	
H-S 500x200	X10
Q: 370 CMH	
INLET	
H-S 500x200	X9
Q: 350 CMH	

CHAMBER 950x800x550<sup>H</sup>  
 CHAMBER 800x500x1450<sup>H</sup>  
 SILENCER CHAMBER 600x800x100<sup>H</sup>

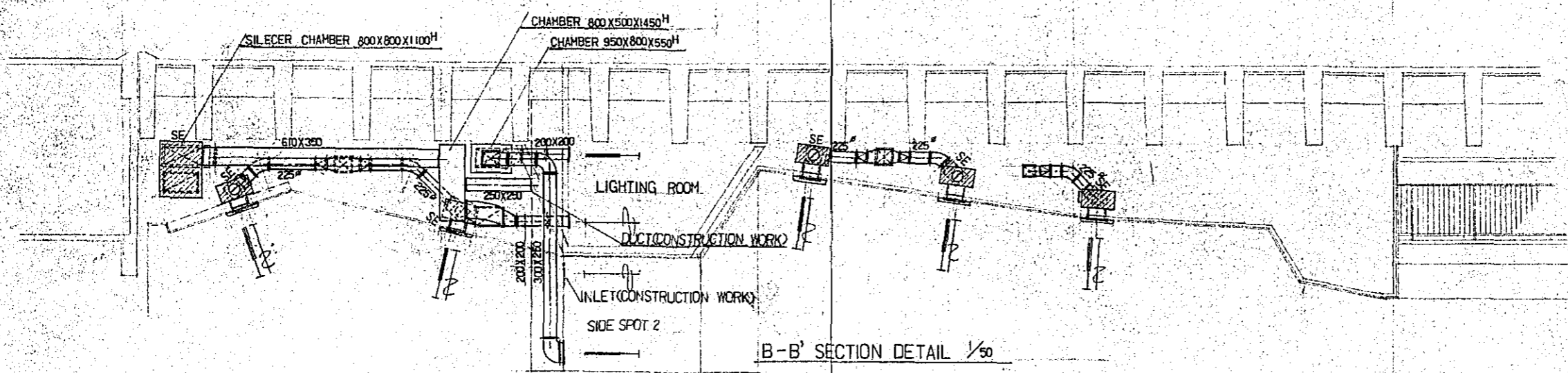
UPPER DUCT 300x250  
 UNDER DUCT 250x250

DETAIL OF AUDIENCE SEAT FOR DUCT WORK 1/50

CONSTRUCTION PROJECT		DATE
OF BTV HALL IN DACCA		12/77
TITLE OF DRAWING		SCALE
DETAIL OF AUDIENCE SEAT FOR DUCT WORK		1/50
DRG. NO.		M-19



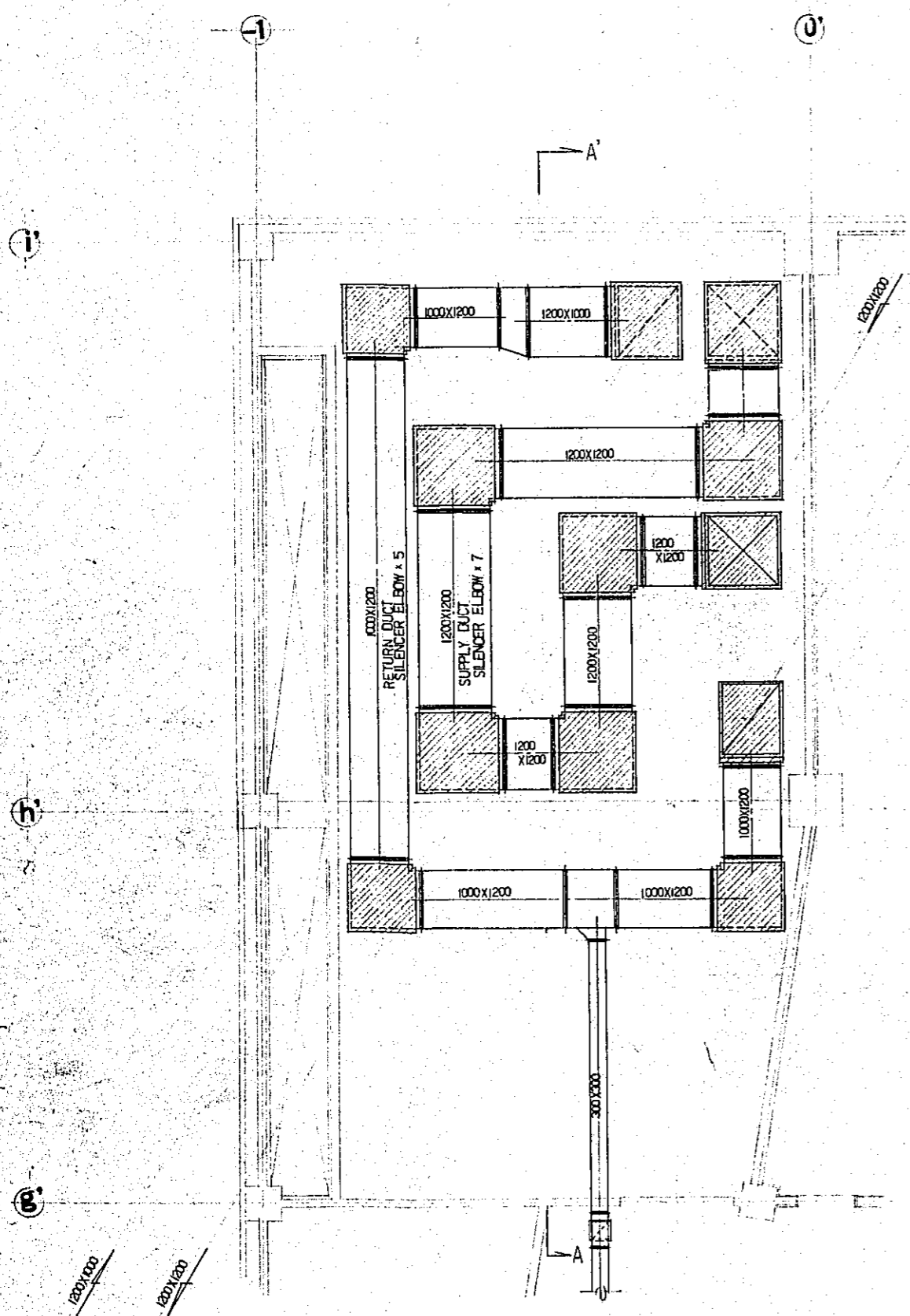
A-A' SECTION DETAIL 1/50



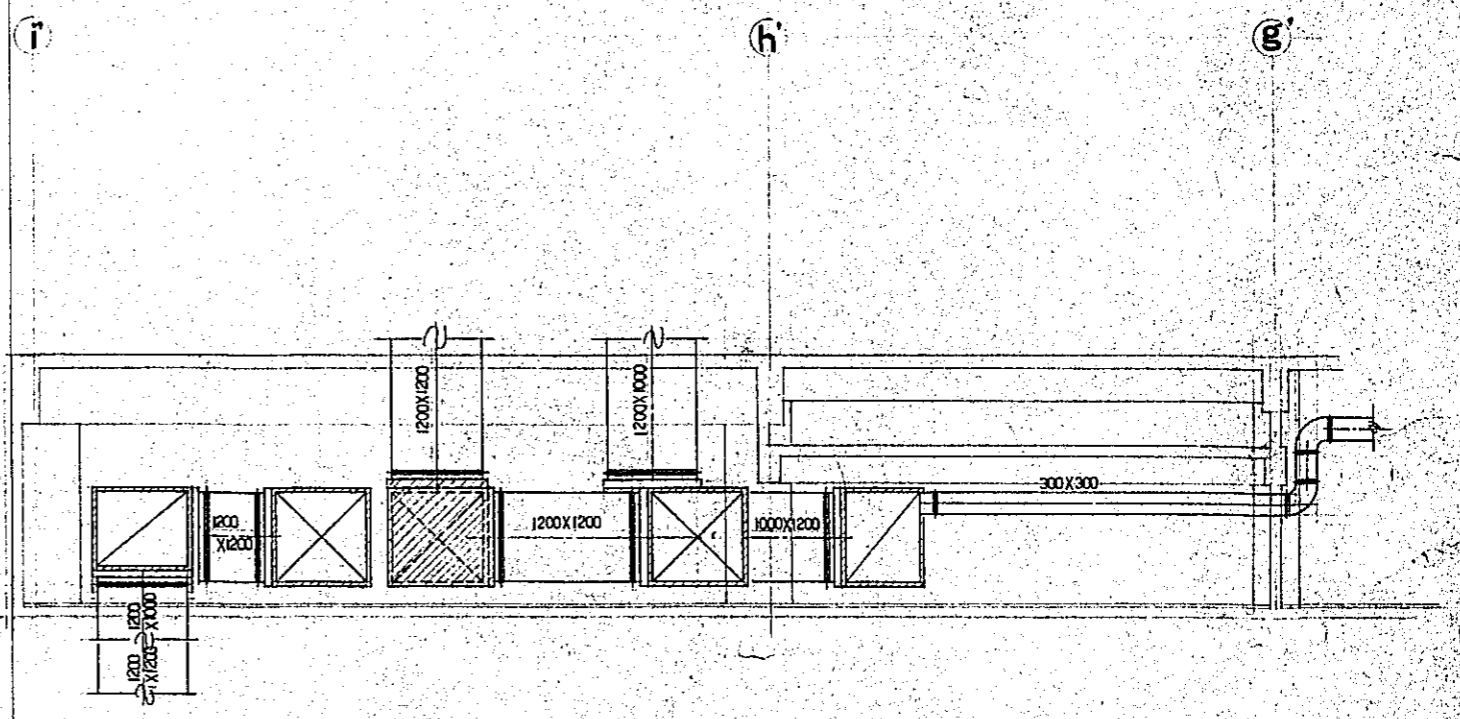
B-B' SECTION DETAIL 1/50

CONSTRUCTION PROJECT		DATE
OF BTV HALL IN DACCA		12/77
TITLE OF DRAWING		SCALE
DETAIL OF AUDIENCE SEAT FOR SECTION		1/50
		DRG. NO.
		M-20



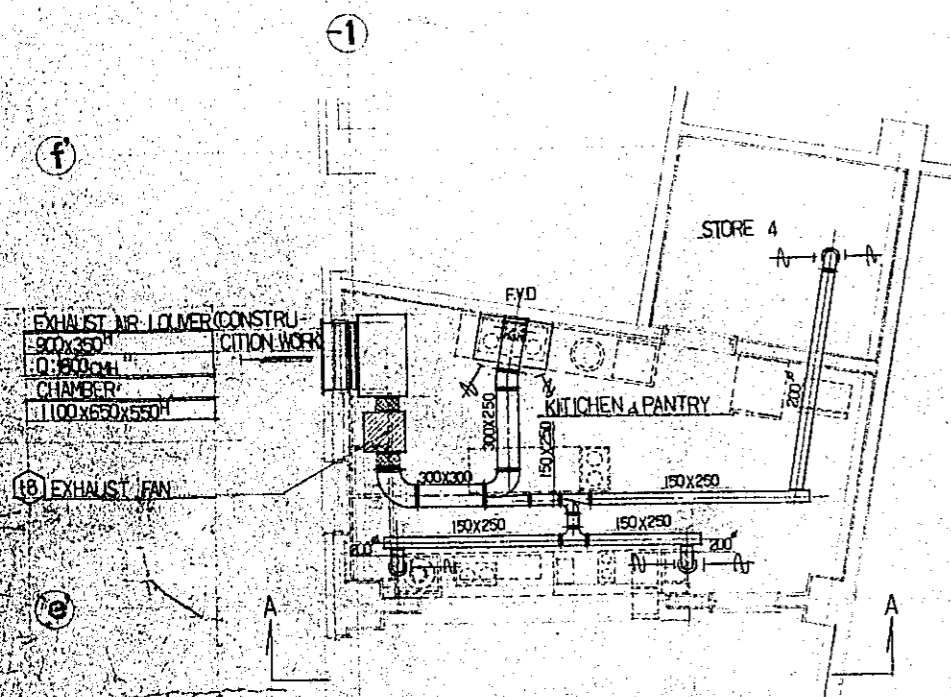


DETAIL OF SILENCER ROOM FOR DUCT WORK 1/50



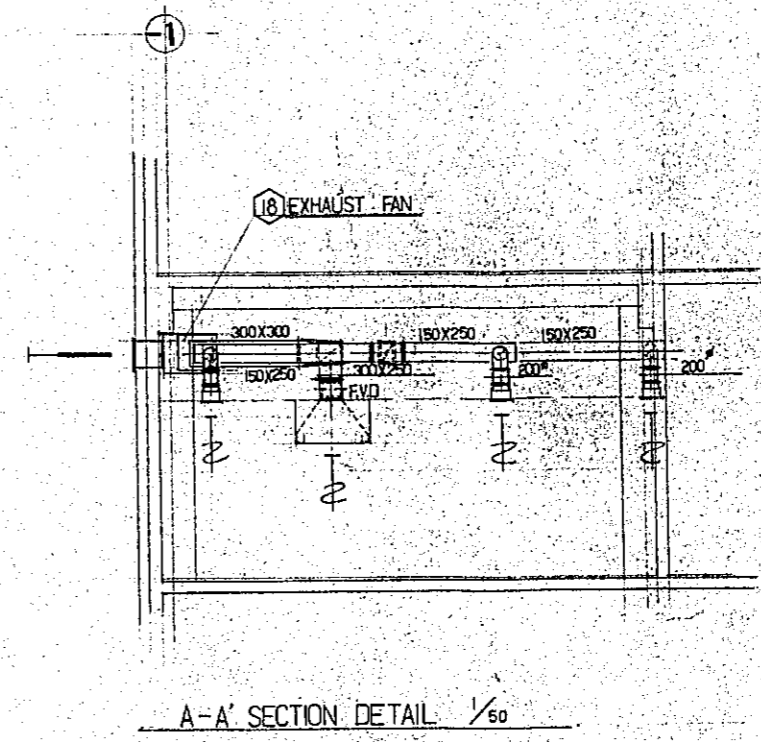
A-A' SECTION DETAIL 1/50

CONSTRUCTION PROJECT		DATE
OF BTV HALL IN DACCA		12/77
TITLE OF DRAWING		SCALE
DETAIL OF SILENCER ROOM FOR DUCT WORK & SECTION		1/50
		ORG. NO.
		M-21



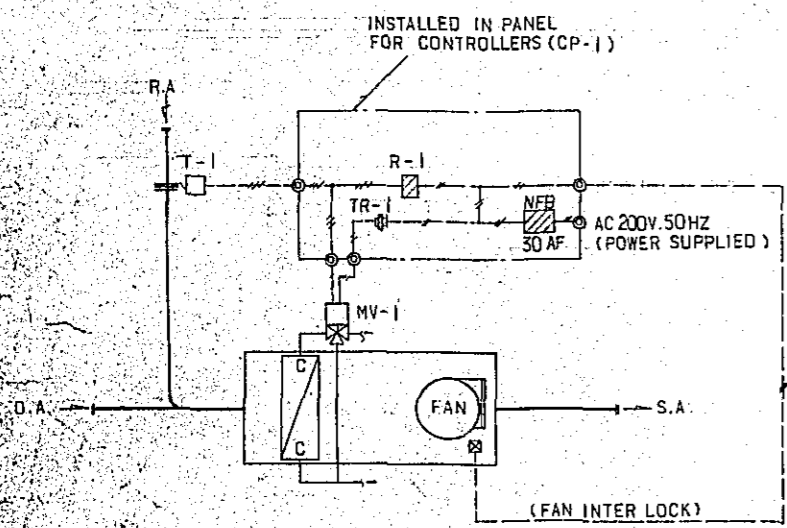
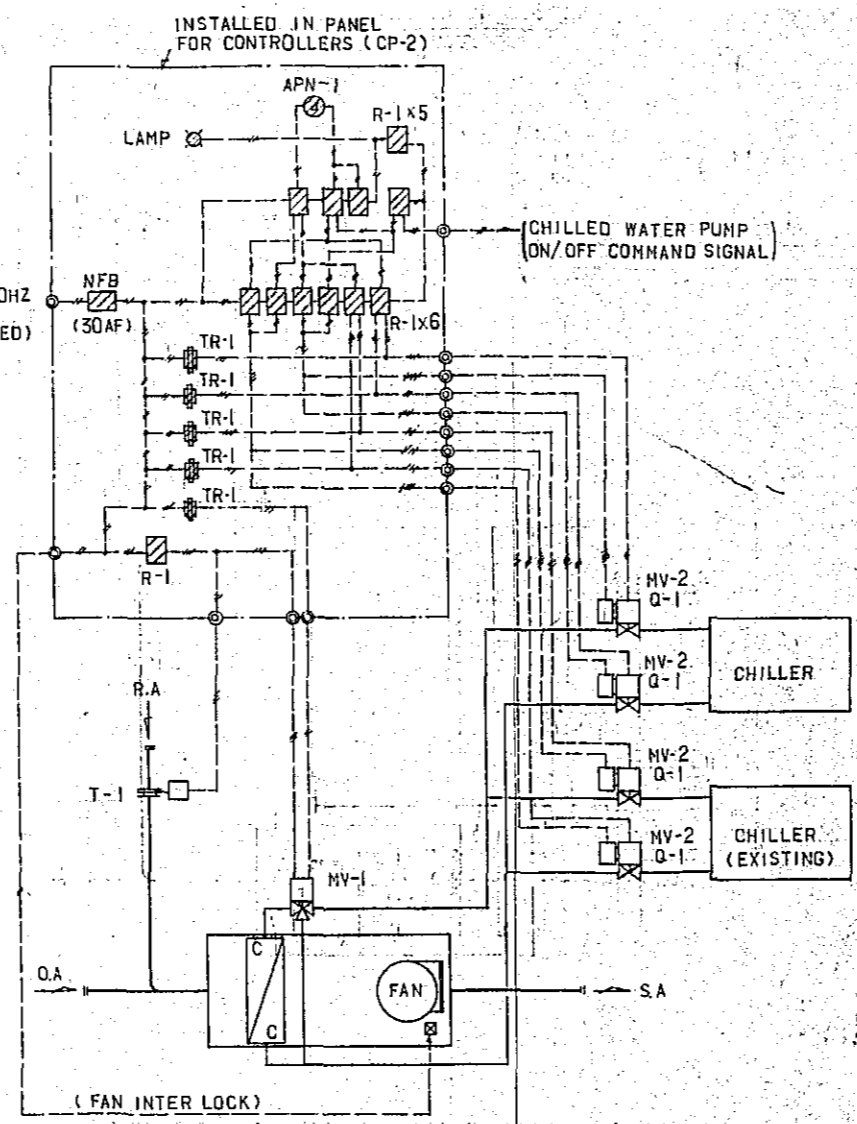
KITCHEN & PANTRY	
INLET	
HOOD	
Q: 1300 CMH	
INLET	x2
Y-S NO 10	
Q: 200 CMH	
STORE 4	
INLET	
Y-S NO 10	
Q: 100 CMH	

DETAIL OF KITCHEN & PANTRY FOR VENTILATION WORK 1/50



A-A' SECTION DETAIL 1/50

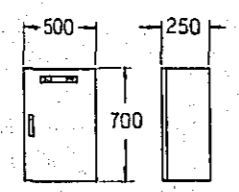
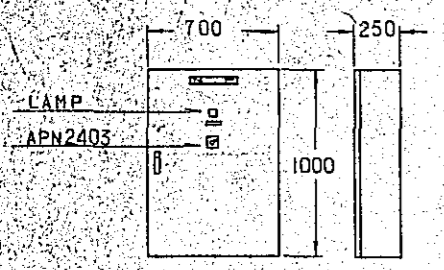
CONSTRUCTION PROJECT		DATE
OF BTV HALL IN DACCA		12/177
TITLE OF DRAWING		SCALE
DETAIL OF KITCHEN & PANTRY FOR VENTILATION WORK		1/50
DRG. NO.		
		M-22



- AIR HANDLING UNIT FOR AUDIENCE SEAT 1 SET
- AIR HANDLING UNIT FOR LIGHT ROOM 1 SET
- AIR HANDLING UNIT FOR PROJECTION 1 SET
- AIR HANDLING UNIT FOR ENTRANCE & FOYER 1 SET
- AIR HANDLING UNIT FOR CANTEEN 1 SET
- AIR HANDLING UNIT FOR STAGE 1 SET
- AIR HANDLING UNIT FOR V.I.P ROOM 1 SET
- AIR HANDLING UNIT FOR ORCH PIT 1 SET

TOTAL 8 SETS ✓

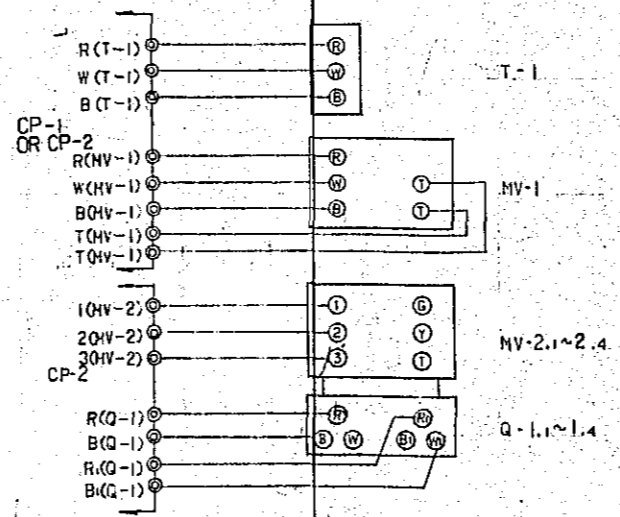
AIR HANDLING UNIT FOR SUB CONTROL 1 SET  
 (BECAUSE OF 24HR USAGE OF THIS A.H.U.)  
 CHILLER SHOULD BE USED ALTERNATELY.)



DIMENSIONS OF PANEL FOR CONTROLLERS (CP-2) 1 SET

DIMENSIONS OF PANEL FOR CONTROLLERS (CP-1) 1 SET

S- 1: 20



DETAIL OF AUTOMATIC CONTROL NO. 1

LEGEND

	1V 2mm <sup>2</sup>
	LOCATED IN PANELS

AUTOMATIC CONTROL DIAGRAM & TABLE

MARK	NAME	MODEL TYPE	Q'TY	NOTE
T-1	INSERTION-TYPE TEMPERATURE CONTROLLER	T915C	9	W/ELEMENT HOLDER
R-1	AUXILIARY RELAY	R482C	20	
TR-1	POWER TRANSFORMER	AT72J1	13	200V/24V/23VA
Q-1	AUXILIARY SWITCH	Q631B	4	
APN-1	CHANGE-OVER SWITCH	APN2403	1	
MV-1	"MODUTROL" MOTORS	M904E	9	
	VALVE LINKAGES	Q455C	9	
	MIXING 3-WAY VALVE	V5065A	9	
MV-2	"MODUTROL" MOTORS	M904F	4	
	VALVE LINKAGES	Q455C	4	
	DOUBLE SEATED 2-WAY VALVE	V5064A	4	

TABLE OF VALVE SIZE

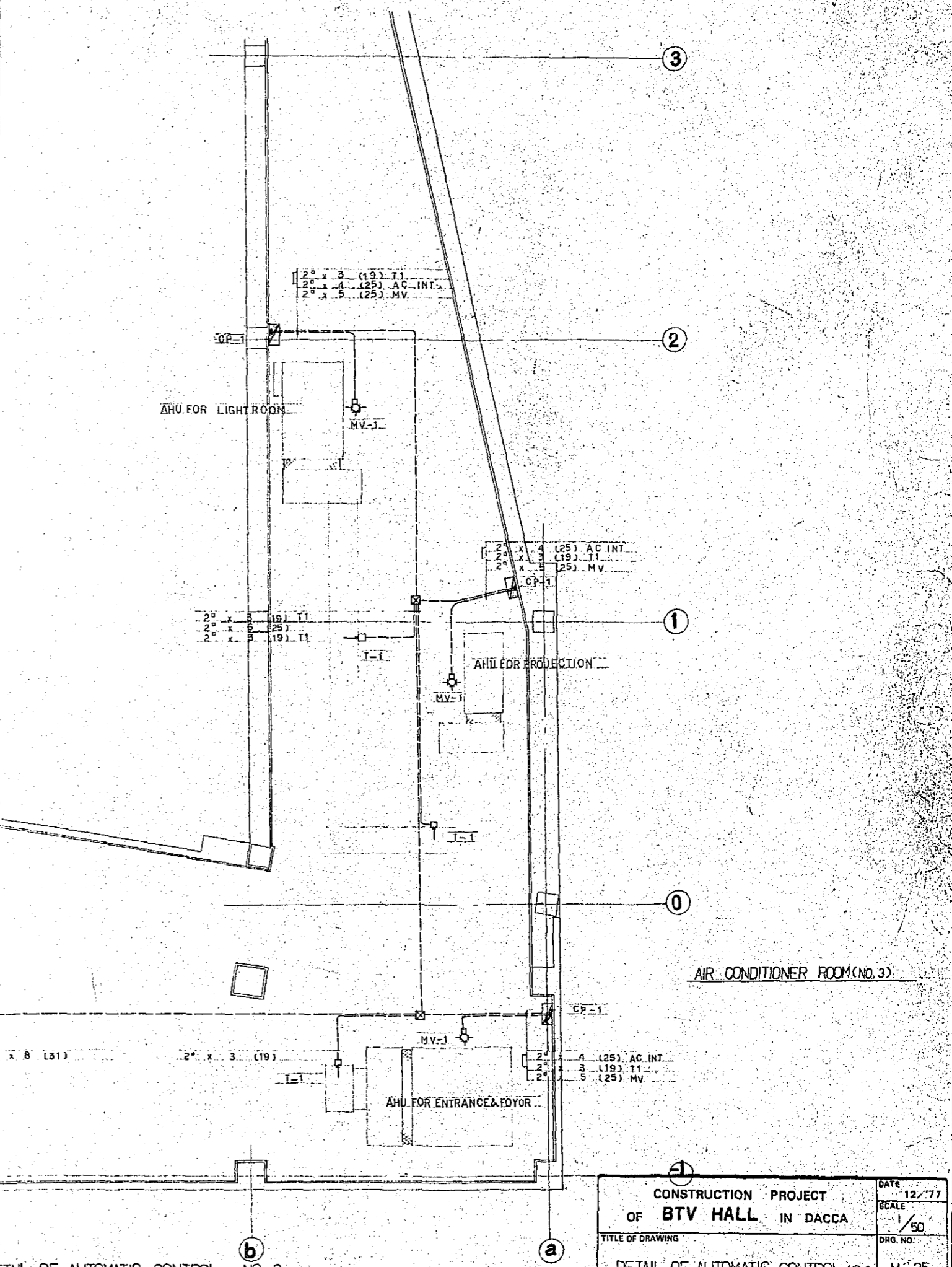
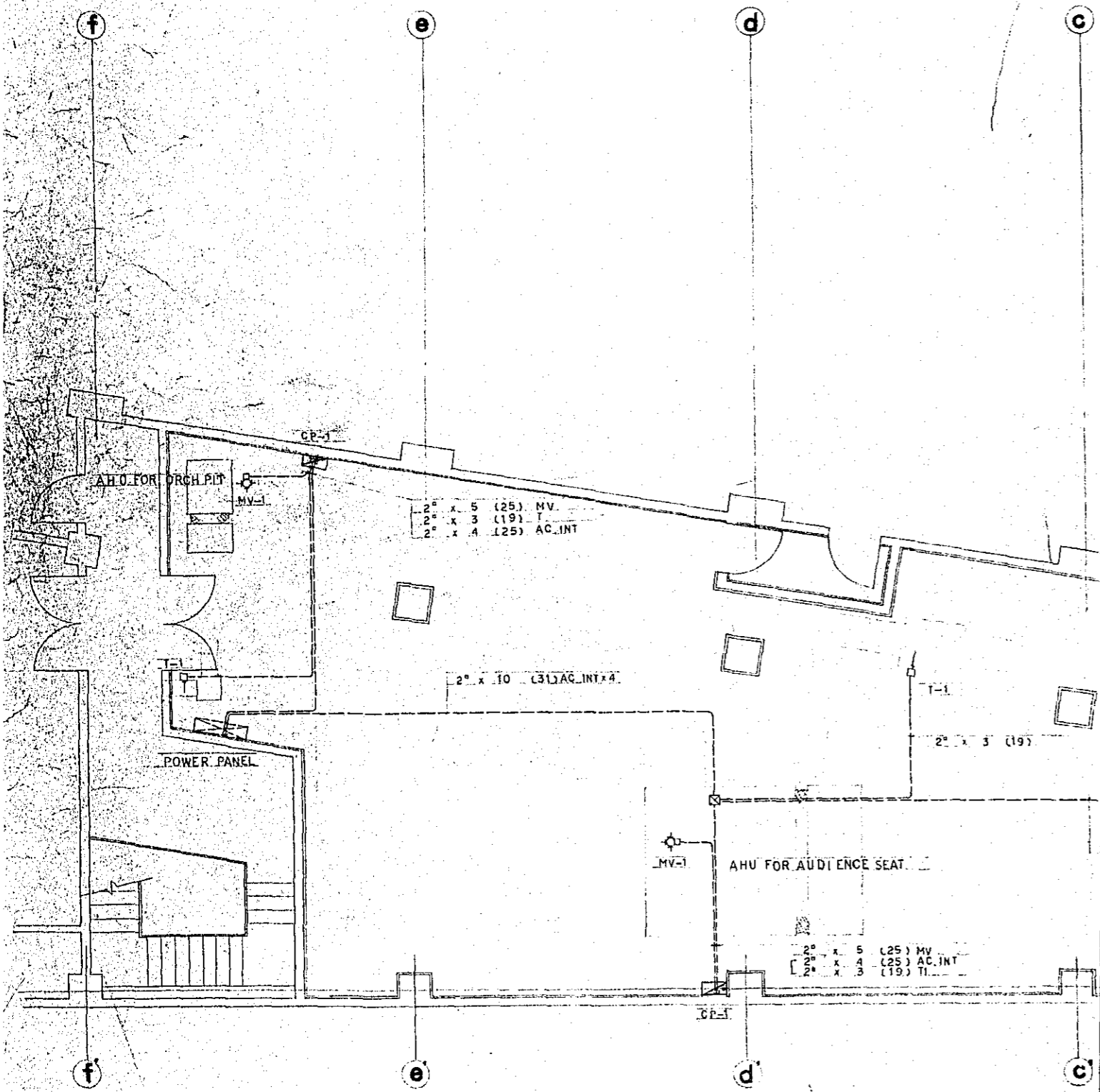
SYSTEM	FLOW RATE (LITER/MIN)	CAPACITY INDEX (C.V)	VALVE SIZE (A)	NOTE
A.H.U. FOR AUDIENCE SEAT	450	56	65 x 65	
A.H.U. FOR LIGHT ROOM	130	17	40 x 32	
A.H.U. FOR PROJECTION	30	4	25 x 20	
A.H.U. FOR ENTRANCE & FOYER	270	34	50 x 50	
A.H.U. FOR CANTEEN	80	10	25 x 25	
A.H.U. FOR STAGE	1050	134	100 x 100	
A.H.U. FOR V.I.P ROOM	80	10	25 x 25	
A.H.U. FOR ORCH.PIT	10	3	25 x 20	
A.H.U. FOR SUB-CONTROL	60	9	25 x 25	
COOLING WATER ALTERNATION			65 x 65	X4 SETS

TABLE OF PREPARATORY CONTROLLER & PARTS

NAME	MODEL TYPE	Q'TY	NOTE
INSERTION-TYPE TEMPERATURE CONTROLLER	T915C	2	
ELEMENT HOLDER	A541A-J	2	
AUXILIARY RELAY	R482C	2	
"MODUTROL" MOTOR	M904E	2	
VALVE LINKAGE	Q455C	2	
CHANGE-OVER SWITCH	APN2403	1	
AUXILIARY SWITCH	Q631B	2	
NO FUSE BREAKER	NFB	2	30AF
"MODUTROL" MOTOR	M904F	2	
POWER TRANSFORMER	AT72J1	2	

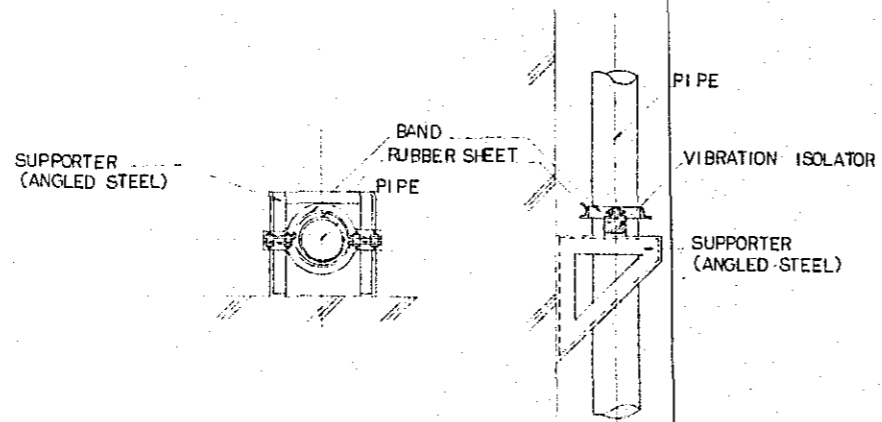
CONSTRUCTION PROJECT		DATE
OF BTV HALL IN DACCA		12/77
TITLE OF DRAWING		SCALE
DETAIL OF AUTOMATIC CONTROL NO. 1		1/50
DRG. NO.		M-23



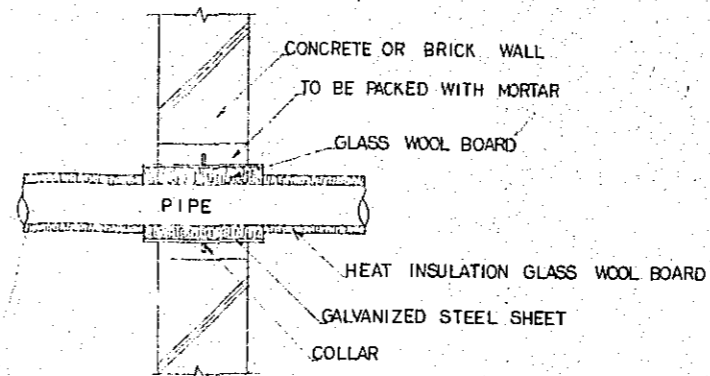


DETAIL OF AUTOMATIC CONTROL NO. 3

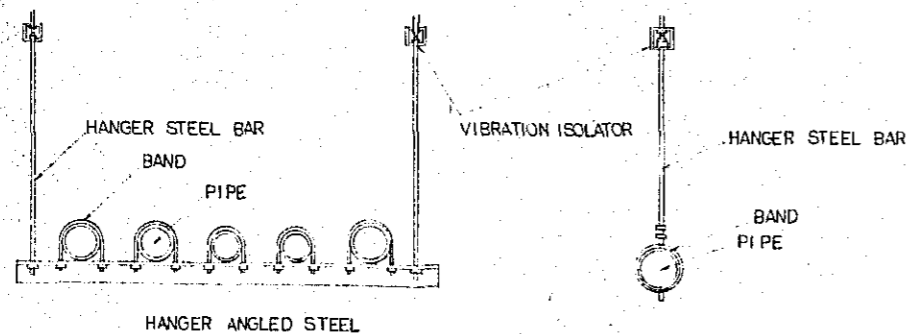
CONSTRUCTION PROJECT		DATE
OF BTV HALL IN DACCA		12/77
TITLE OF DRAWING		SCALE
DETAIL OF AUTOMATIC CONTROL NO. 3		1/50
		DWG. NO.
		M-25



DETAIL OF PIPE SUPPORT



DETAIL OF VIBRATION PROTECTION FOR PASSING THROUGH THE STRUCTUAL WALL



DETAIL OF VIBRATION PROTECTION FOR PIPE HANGER

EXPLANATION OF VIBRATION PROTECTION FOR PASSING THROUGH THE STRUCTUAL WALL

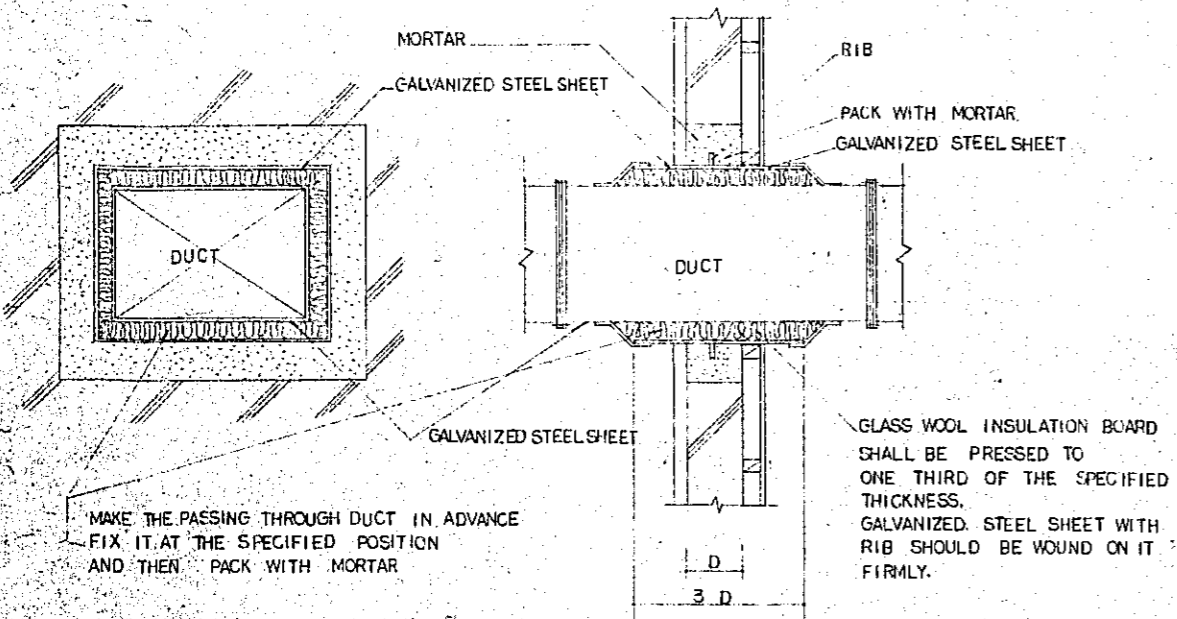
A SLEEVE INSERTED SHOULD BE REMOVED AFTER CONCRETE WORK. THE PIPE SHOULD BE COVERED BY INSULATING COVER AND THEN BE COVERED BY STEEL SHEET WITH COLLAR.

AFTER THESE PROCEDURES, THE PASS-THROUGH SECTION SHOULD BE SUFFICIENTLY FILLED WITH MORTAR FROM THE BOTH ENDS. BEFORE FILLING MORTAR, THE POSITION OF PIPE SHOULD BE PROPERLY ADJUSTED SO THAT THE LOAD OF PIPE WILL NOT AFFECT TO THE PASS-THROUGH SECTION DIRECTLY.

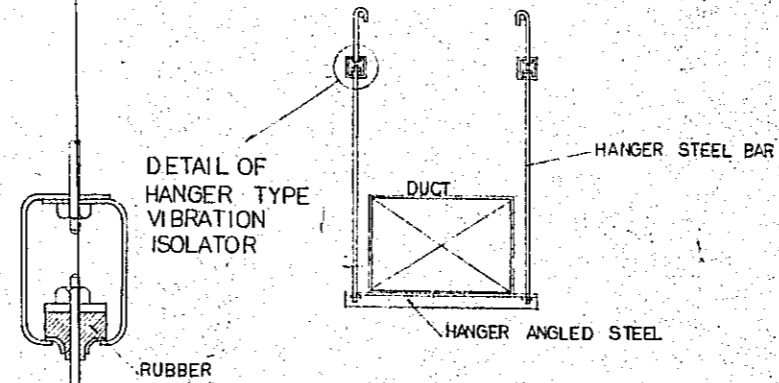
EXPLANATION OF FLEXIBLE JOINT

FOR THE CONNECTING PART WITH EQUIPMENT WHICH GENERATES VIBRATION (WATER CHILLING UNIT, PUMPS, A.H.U.) A FLEXIBLE JOINT SHOULD BE APPLIED.

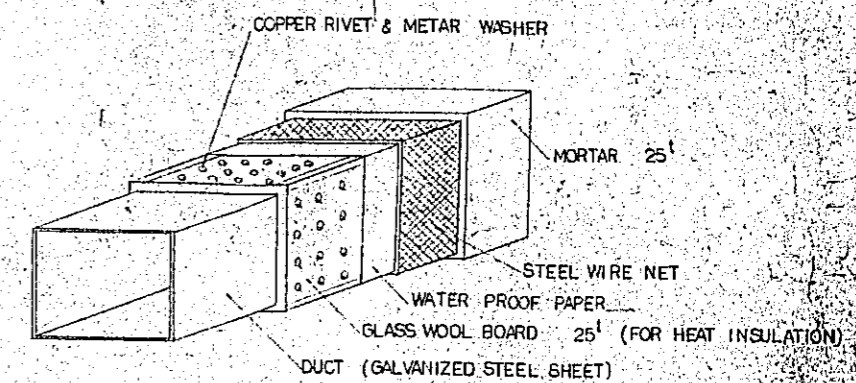
CONSTRUCTION PROJECT		DATE
OF <b>BTV HALL</b> IN Dacca		12/77
TITLE OF DRAWING		SCALE
DETAILS OF VIBRATION PROTECTION FOR PIPE		DRG. NO.
		M-26



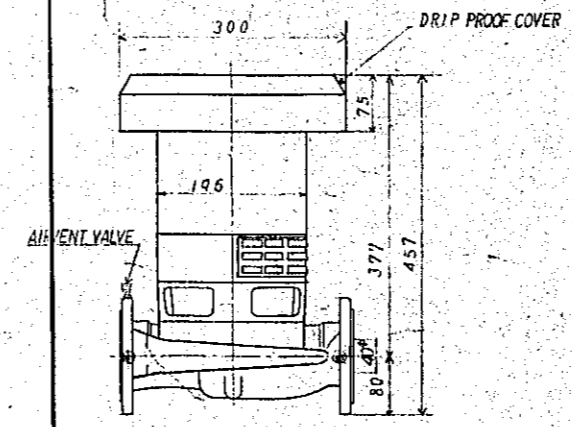
DETAIL OF THE PART OF PASSING THROUGH THE STRUCTURAL WALL OF AUDIENCE, SUB CONTROL ROOM, BUILDING EQUIPMENT ROOM, & AIR CONDITIONER ROOM.



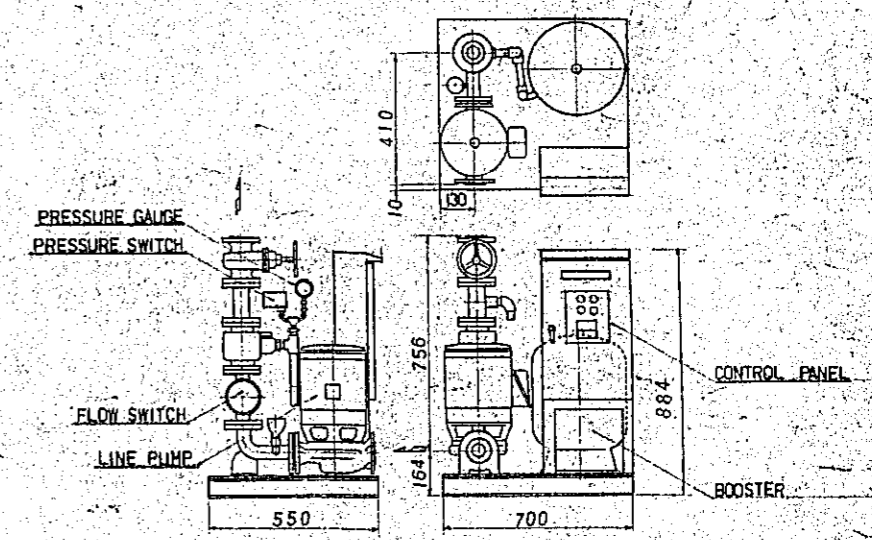
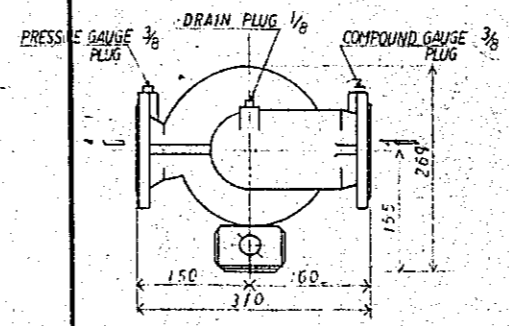
DETAIL OF VIBRATION PROTECTION FOR DUCT



DETAIL OF SOUND PROOF DUCT

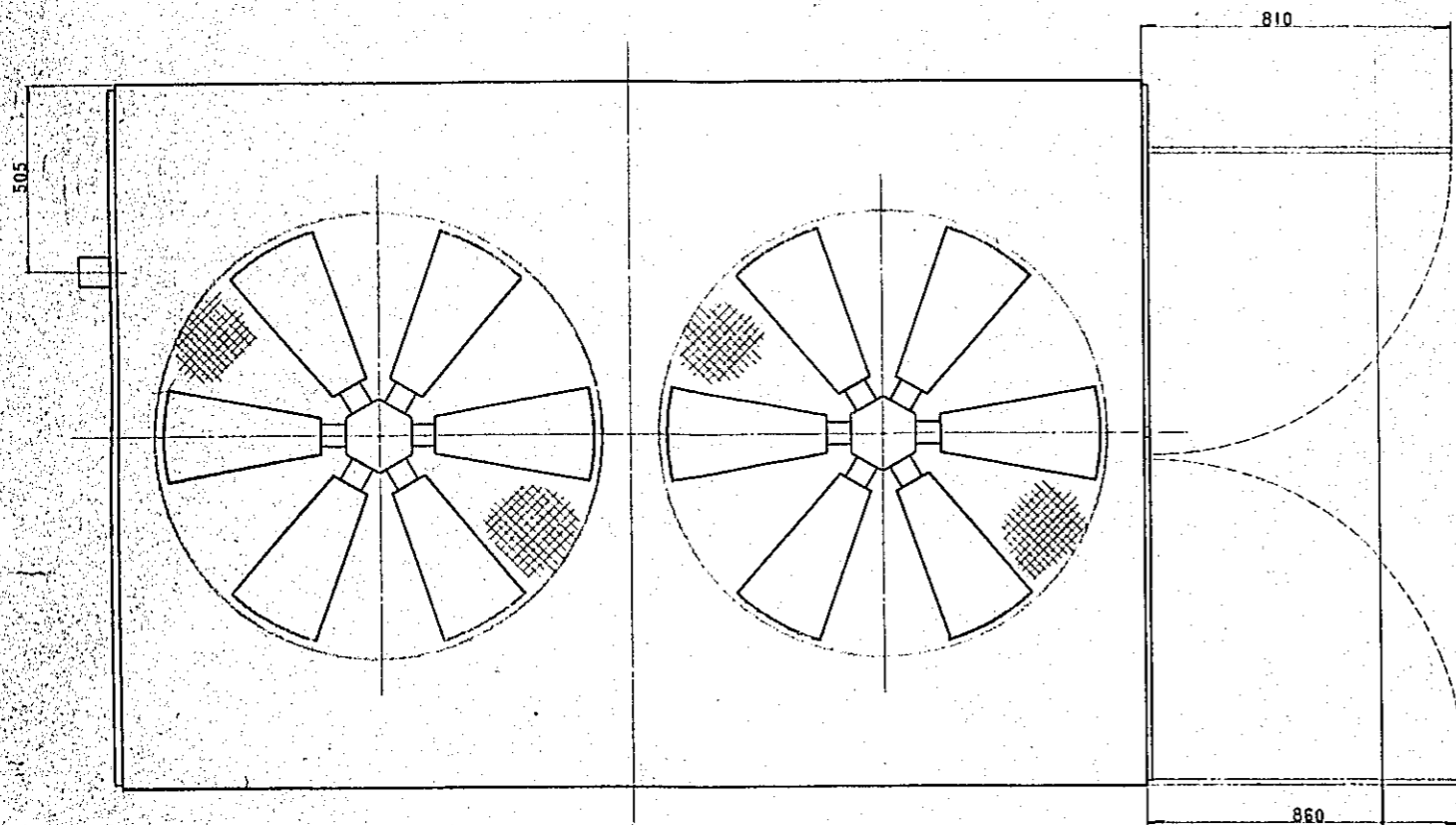


LINE PUMP (OUT DOOR TYPE)  
50LPD52.2 (50HZ, 3 $\phi$ , 380V, 2.2KW)



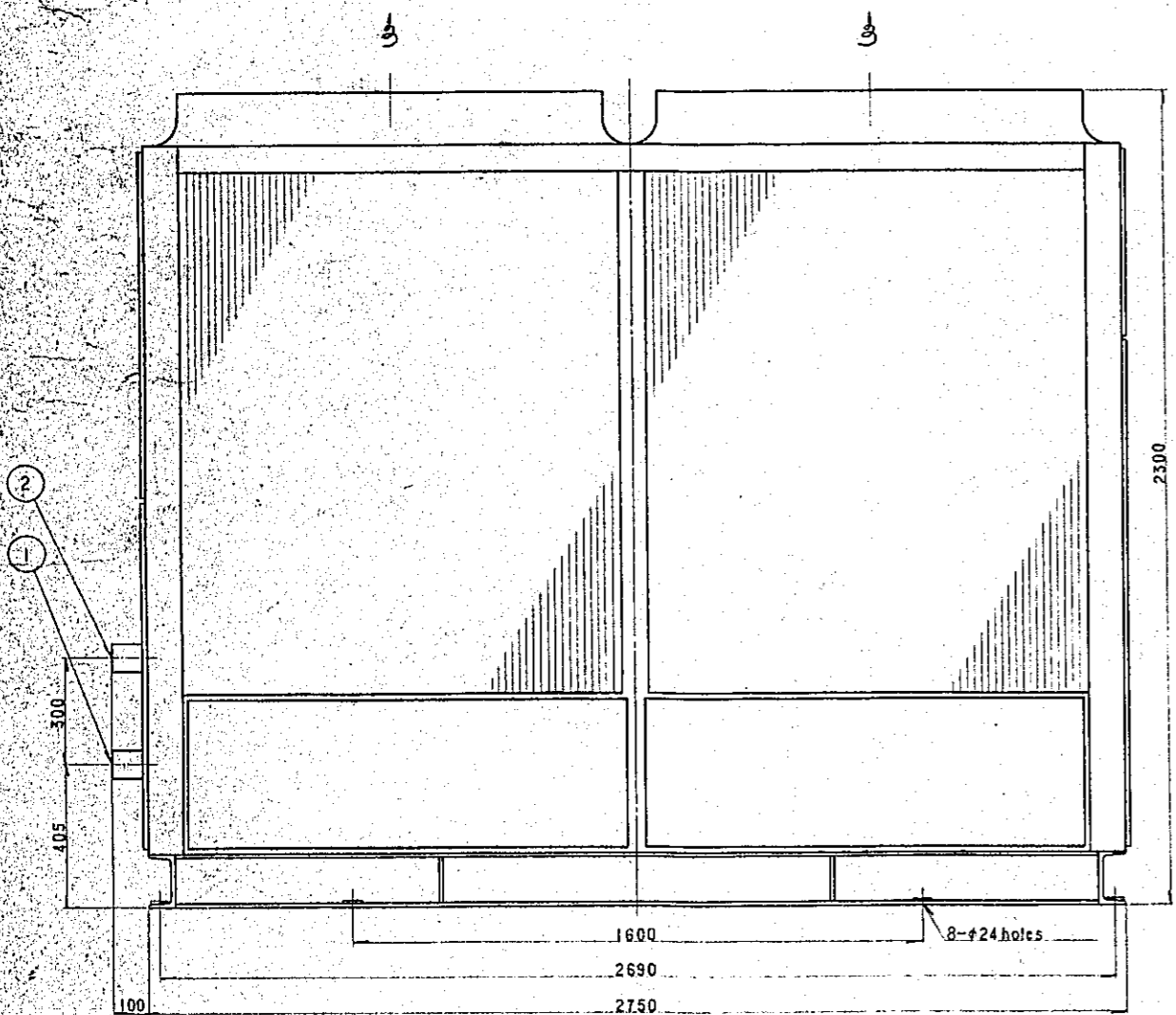
PACKAGED BOOSTER SYSTEM (OUT DOOR TYPE)  
32UDS-LP5.75 (50HZ, 3 $\phi$ , 380V, 0.75KW)

CONSTRUCTION PROJECT OF BTV HALL IN DACCA	DATE 12/77
TITLE OF DRAWING	SCALE
DETAILS OF VIBRATION PROTECTION & SOUND PROTECTION DUCT	DRG. NO. M-27

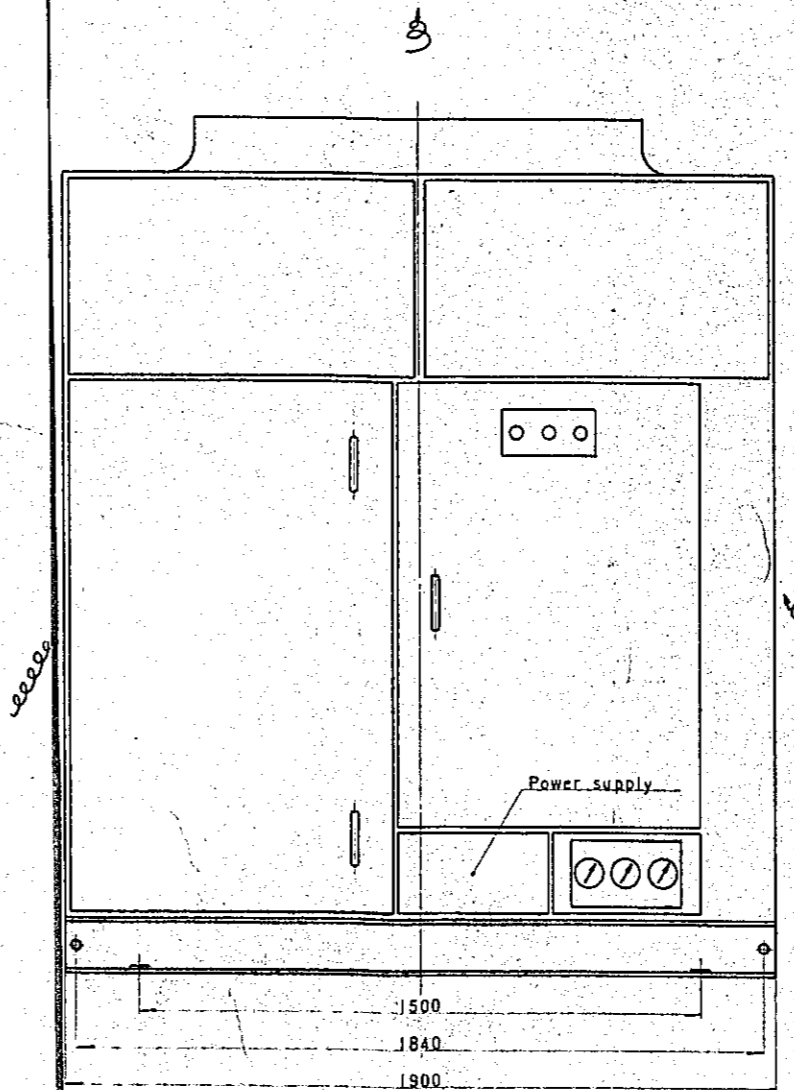


- ① Water inlet 3" FPT
- ② Water outlet 3" FPT

COOLING CAPACITY	87000 Kcal/h (AMBIENT TEMP. 35°C)
CHILLED WATER TEMP.	12°C → 7°C
CHILLED WATER FLOW	290 l/min
COMPRESSOR	30 KW (STAR AND DELTA)
EUN	15 KW X 2
CAPACITY CONTROL	100-67-33-0 %
POWER SUPPLY	3φ x 380V x 50Hz

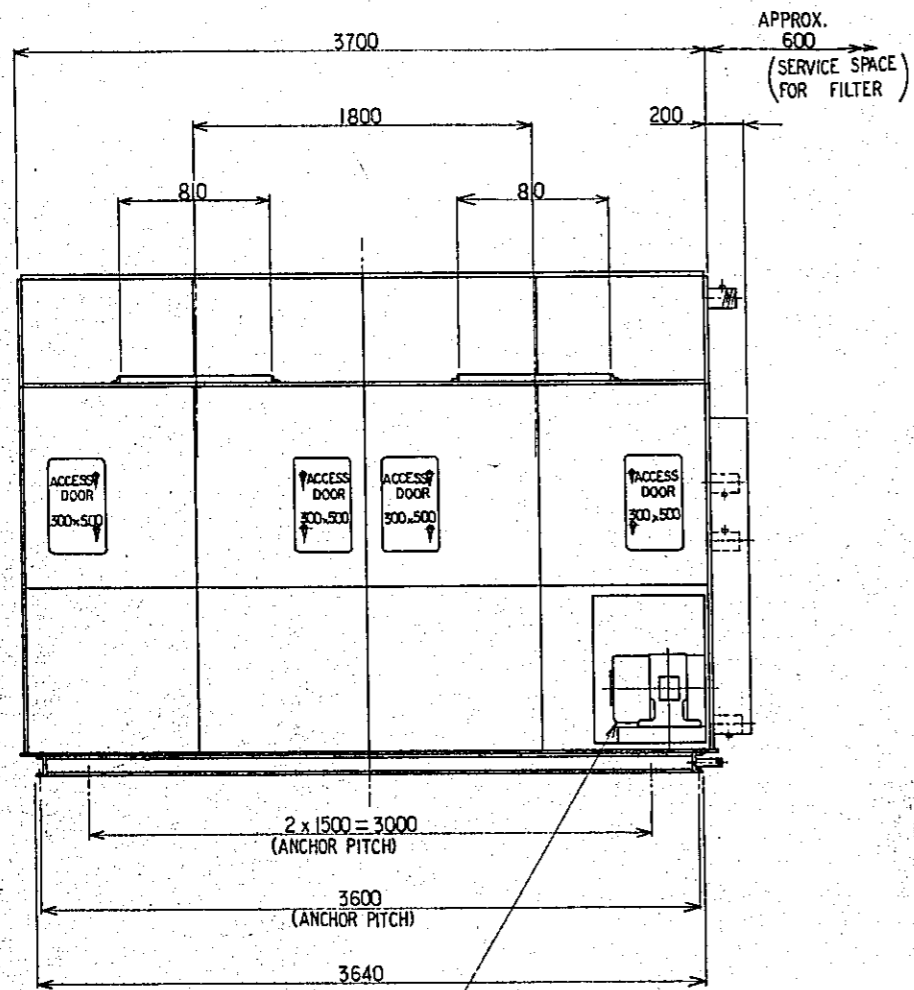


(MODEL : UWA400YK)



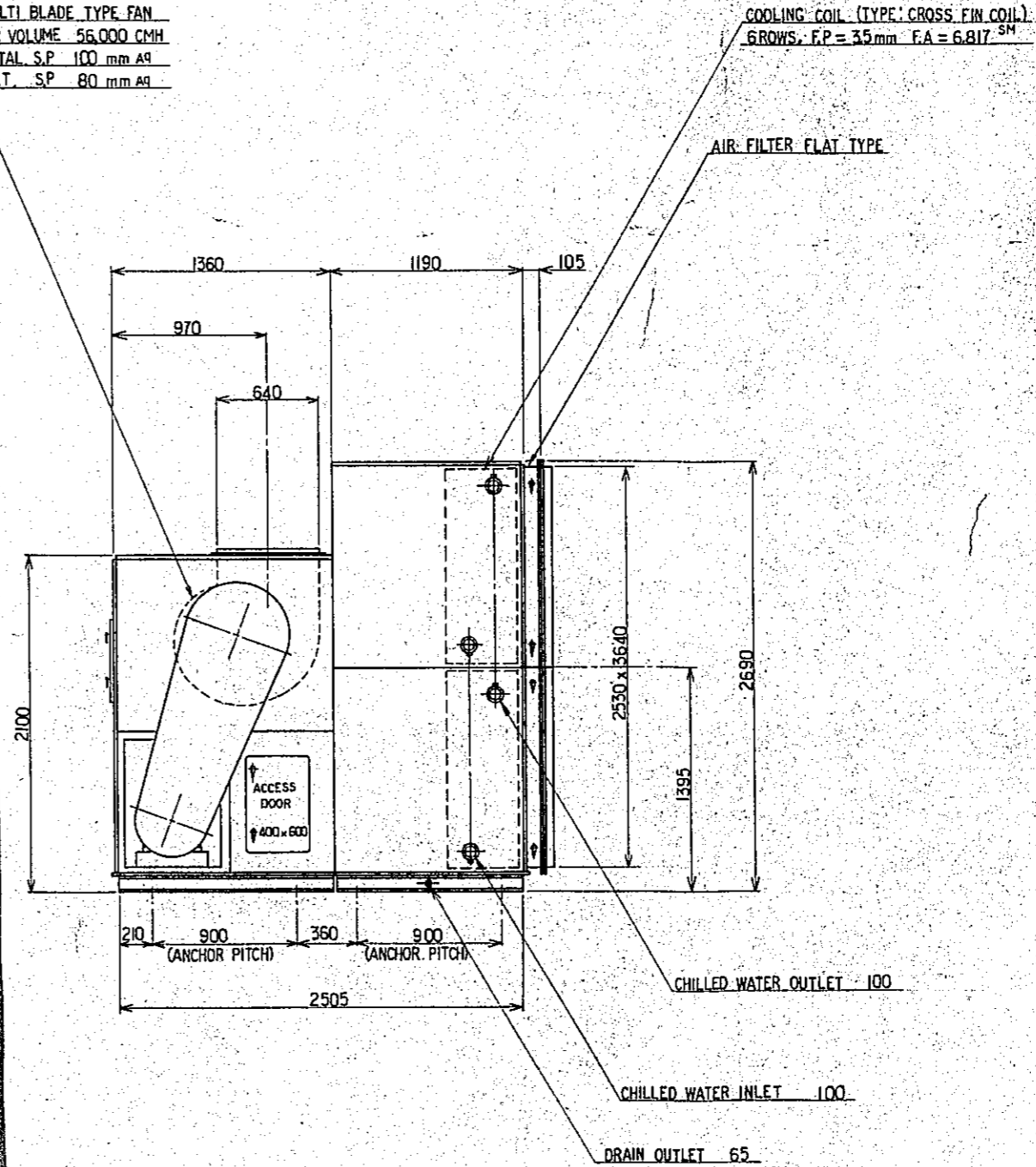
CONSTRUCTION PROJECT OF BTV HALL IN DACCA		DATE 12/77
TITLE OF DRAWING DETAIL OF AIR COOLED WATER CHILLING UNIT		SCALE 1/10 DRG. NO. M-28





3PHASE INDUCTION MOTOR  
380V, 50Hz, 4POLE 22 KW

MULTI BLADE TYPE FAN  
AIR VOLUME 56,000 CMH  
TOTAL S.P. 100 mm Aq  
EXT. S.P. 80 mm Aq

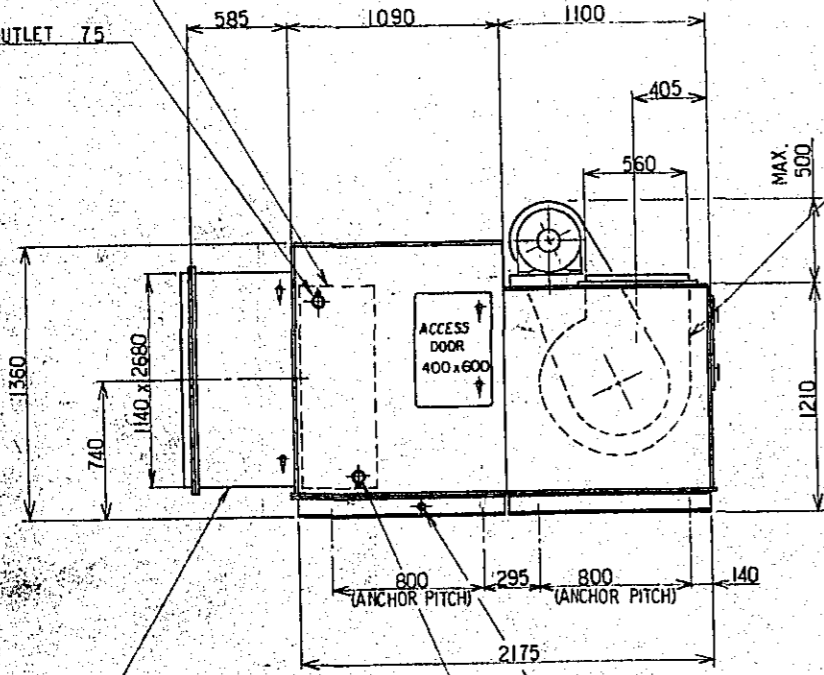


HORIZONTAL TYPE AIR HANDLING UNIT (STAGE)

(MODEL : AH100EAR)  
SCALE : 1/20

CONSTRUCTION PROJECT OF BTV HALL IN DACCA		DATE 12/77
TITLE OF DRAWING		SCALE 1/20
DETAIL OF AIR HANDLING UNIT NO 1		DRG. NO. M-29

COOLING COIL (TYPE: CROSS FIN COIL)  
 6 ROWS . F.P = 3.5 mm . F.A = 2.345<sup>SM</sup>



MULTI BLADE TYPE FAN  
 AIR VOLUME : 18300 CMH  
 TOTAL S.P : 120 mm Aq  
 EXT S.P : 100 mm Aq

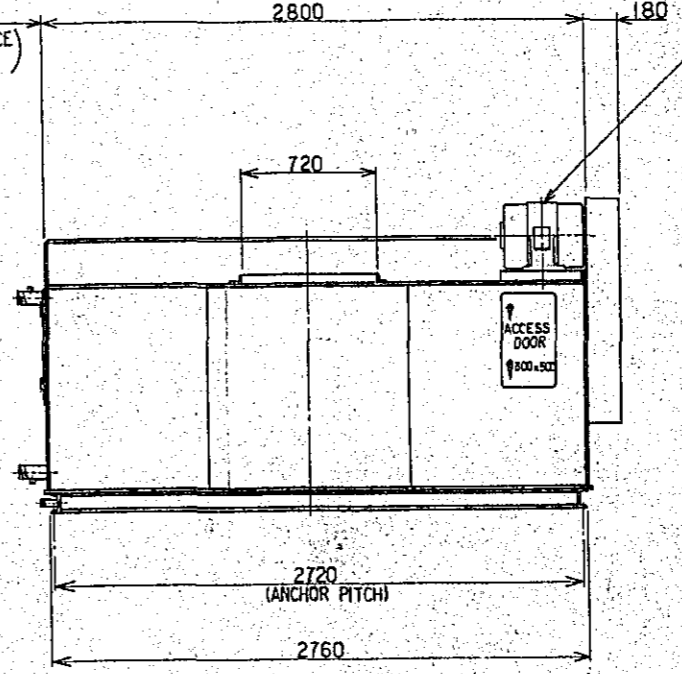
AIR FILTER HIGH EFFICIENT TYPE

DRAIN OUTLET 40

CHILLED WATER INLET 75

3PHASE INDUCTION MOTOR  
 380V . 50Hz . 4 POLE . 11 KW

APPROX. 600  
 (SERVICE SPACE FOR FILTER)

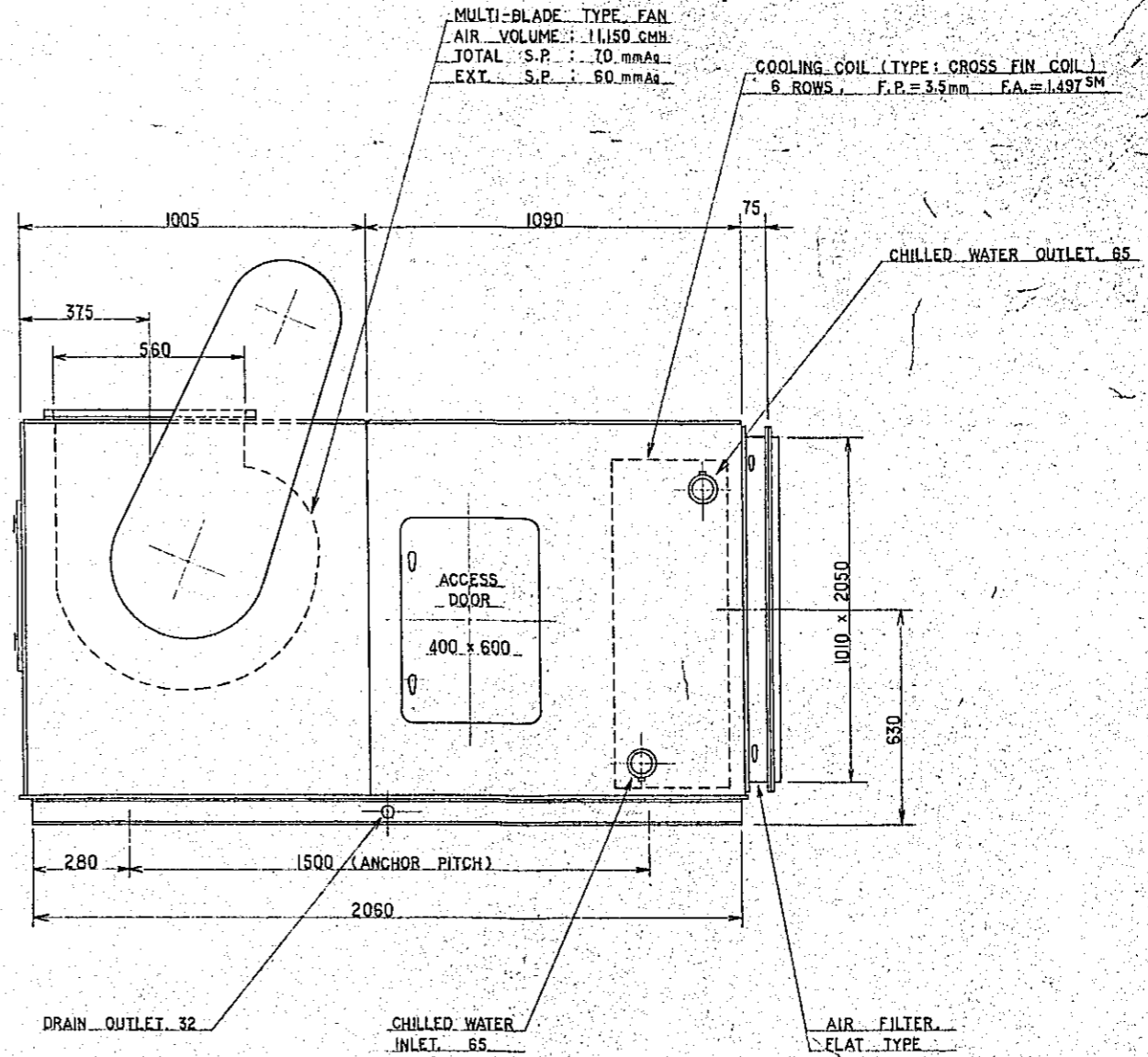
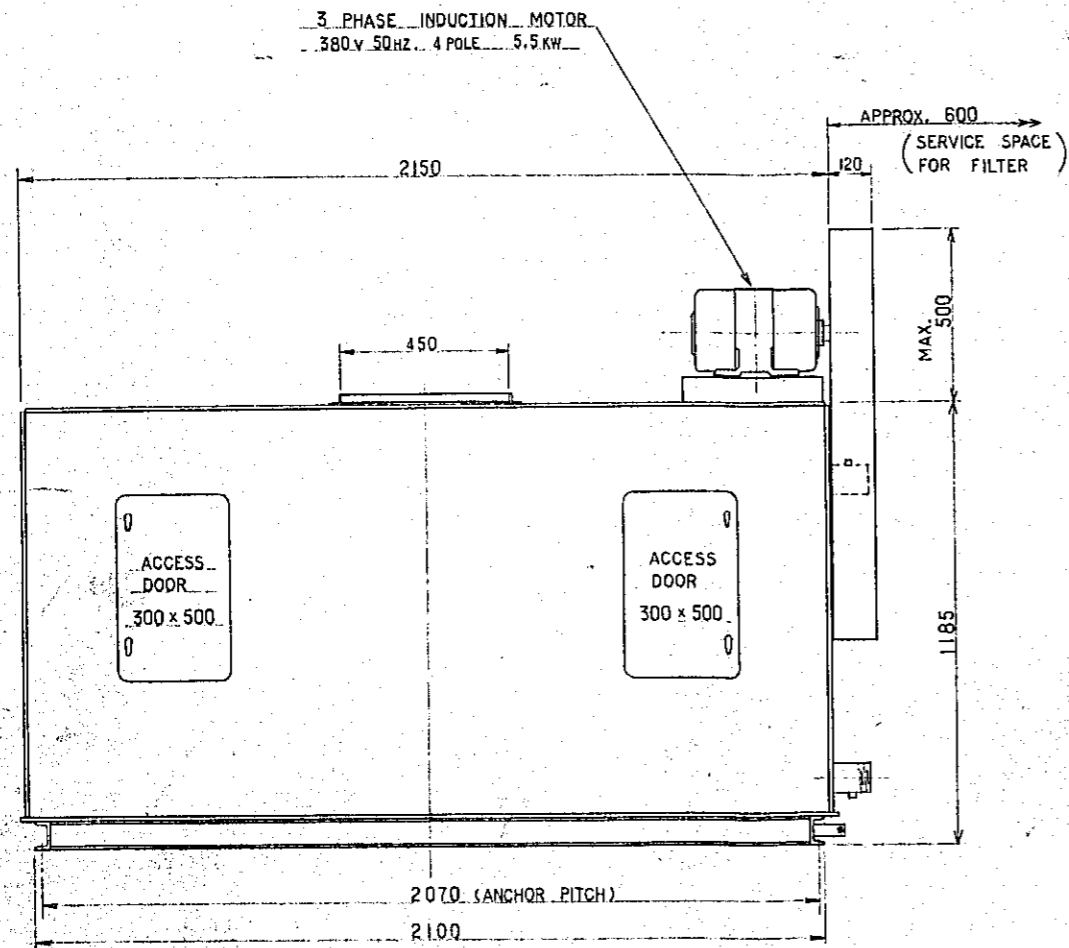


HORIZONTAL TYPE AIR HANDLING UNIT (AUDIENCE SEAT)

(MODEL AH.35 (AR))

SCALE 1/20

CONSTRUCTION PROJECT		DATE
OF BTV HALL IN DACCA		12/77
TITLE OF DRAWING		SCALE
DETAIL OF AIR HANDLING UNIT NO 2		1/20
		DRG. NO.
		M-30

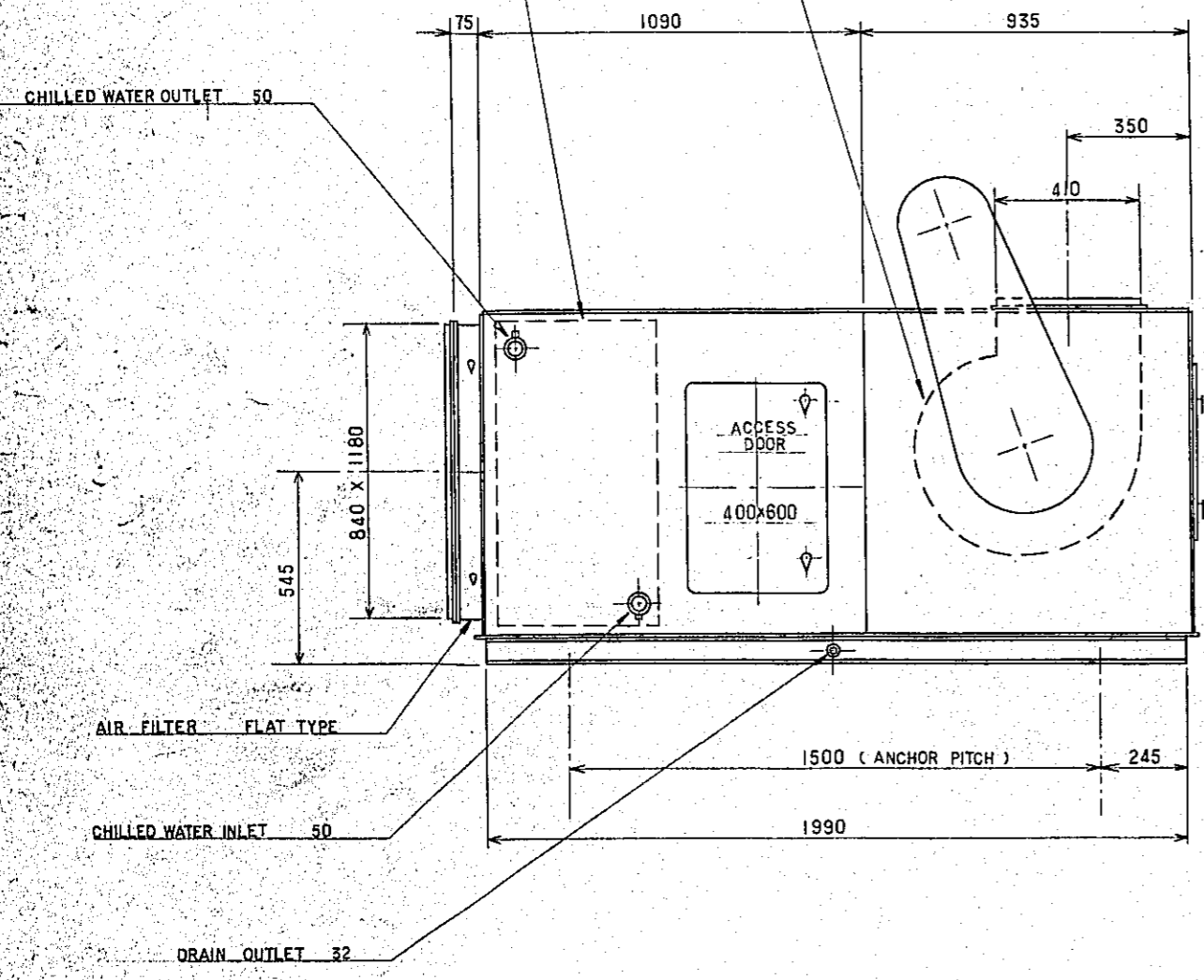


HORIZONTAL TYPE AIR HANDLING UNIT (ENTRANCE)  
(MODEL : AH23EAR)  
SCALE : 1/10

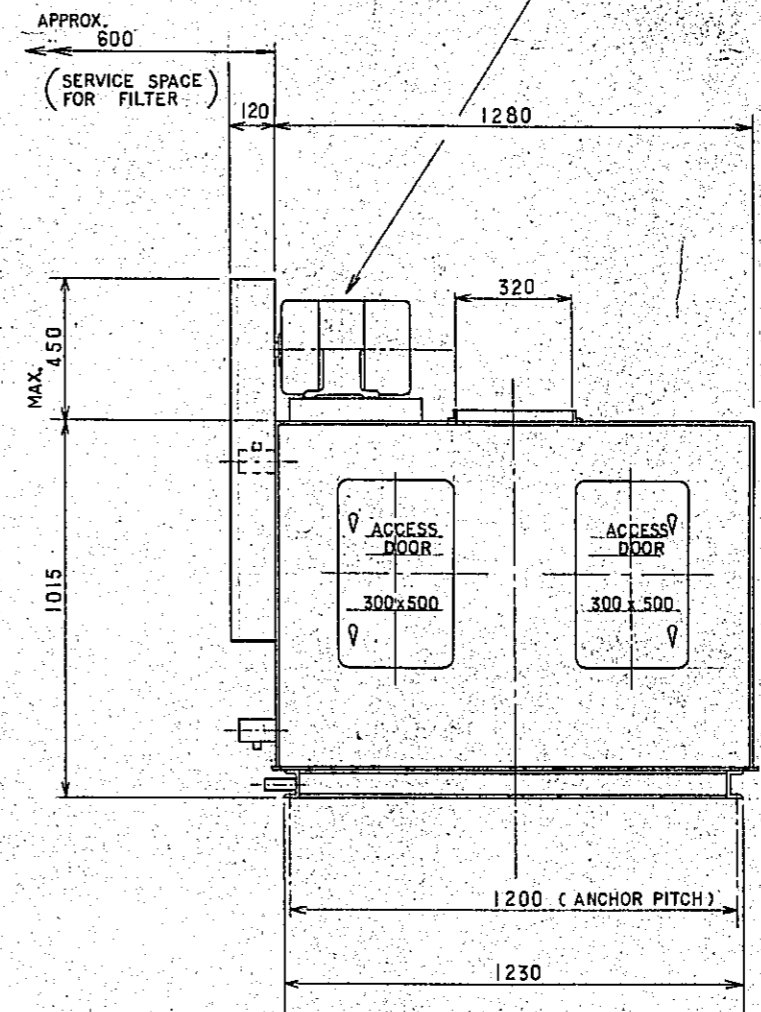
CONSTRUCTION PROJECT OF BTV HALL IN DACCA		DATE 12/77
TITLE OF DRAWING DETAIL OF AIR HANDLING UNIT NO 3		SCALE 1/10
		DRG. NO. M-31

COOLING COIL (TYPE: CROSS FIN COIL)  
 10 ROWS, F.P. = 3.5 F.A. = 0.692 5M

MULTI BLADE TYPE FAN  
 AIR VOLUME 5,950 C.M.H  
 TOTAL S.P. 120 mm.Aq  
 EXT. S.P. 100 mm.Aq



3PHASE INDUCTION MOTOR  
 380V 50Hz 4POLE 5.5 KW



HORIZONTAL TYPE AIR HANDLING UNIT (LIGHT ROOM)  
 (MODEL AH 10 EAR)  
 SCALE 1/10

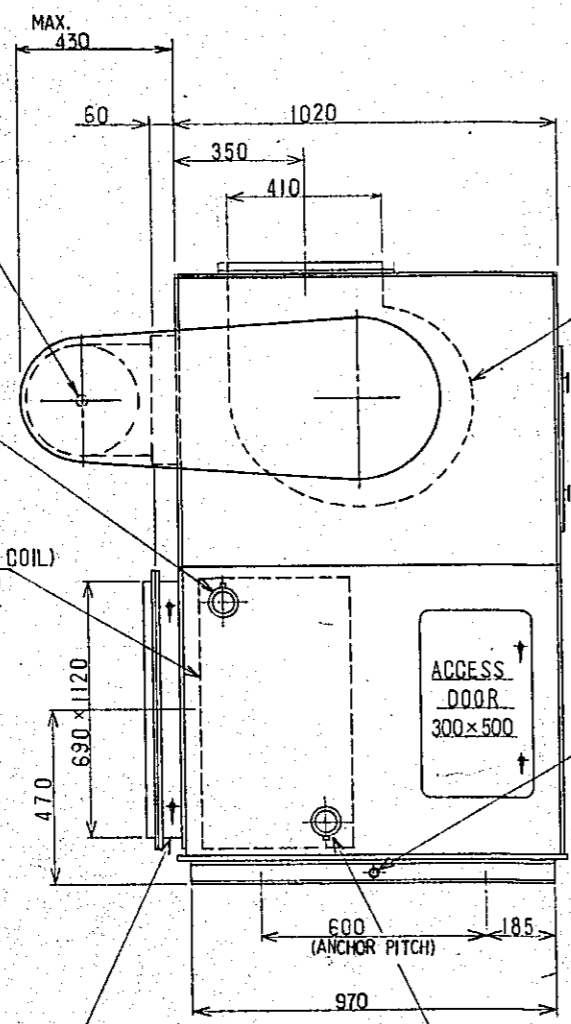
CONSTRUCTION PROJECT OF BTV HALL IN DACCA		DATE 12/77
TITLE OF DRAWING DETAIL OF AIR HANDLING UNIT NO 4		SCALE 1/10
		DRG. NO. M-32

3 PHASE INDUCTION MOTOR  
380V, 50 Hz, 4 POLE, 3.7 KW

CHILLED WATER OUTLET 40

COOLING COIL (TYPE: CROSS FIN COIL)  
8 ROWS, F.P. = 3.5 mm, F.A. = 0.530<sup>SM</sup>

AIR FILTER  
FLAT TYPE

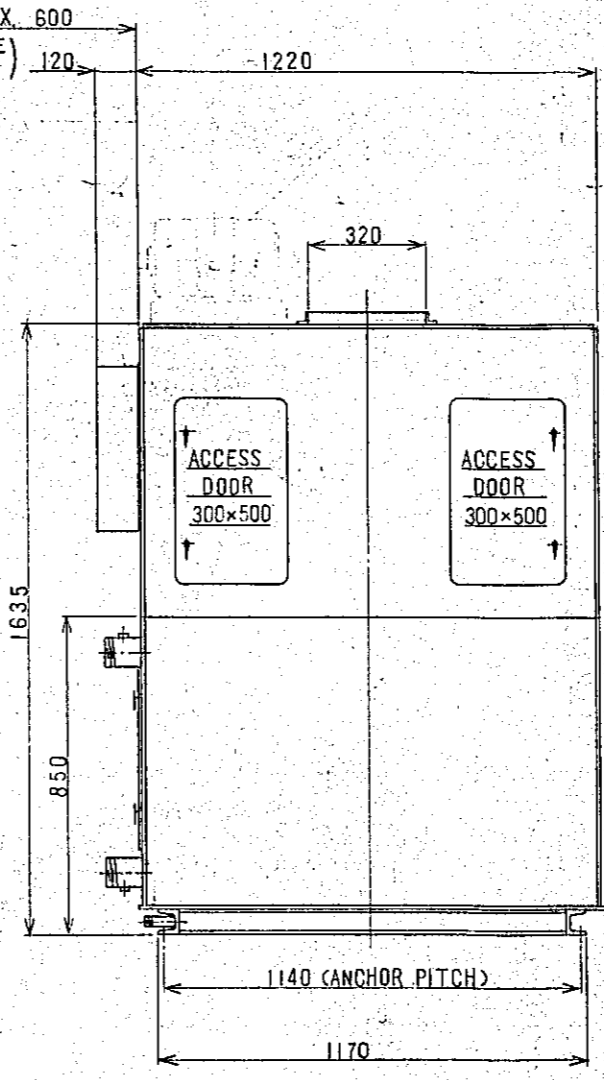


MULTI BLADE TYPE FAN  
AIR VOLUME : 4,150 CMH  
TOTAL, S.P. : 120 mm Aq  
EXT, S.P. : 100 mm Aq

DRAIN OUTLET 32

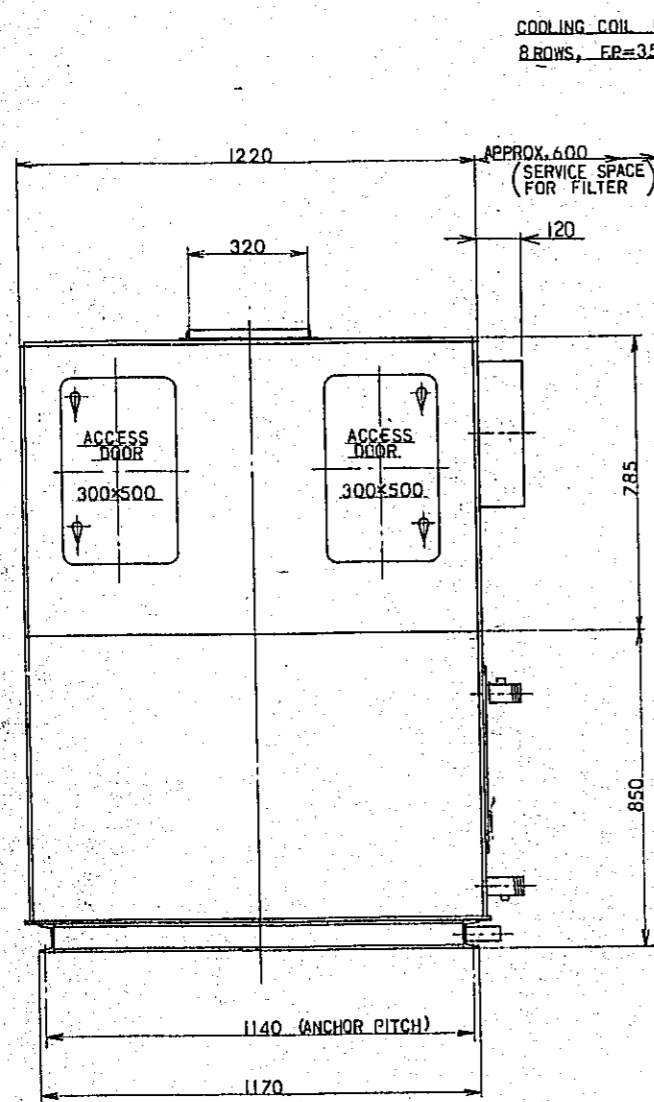
CHILLED WATER INLET 40

APPROX. 600  
(SERVICE SPACE FOR FILTER)



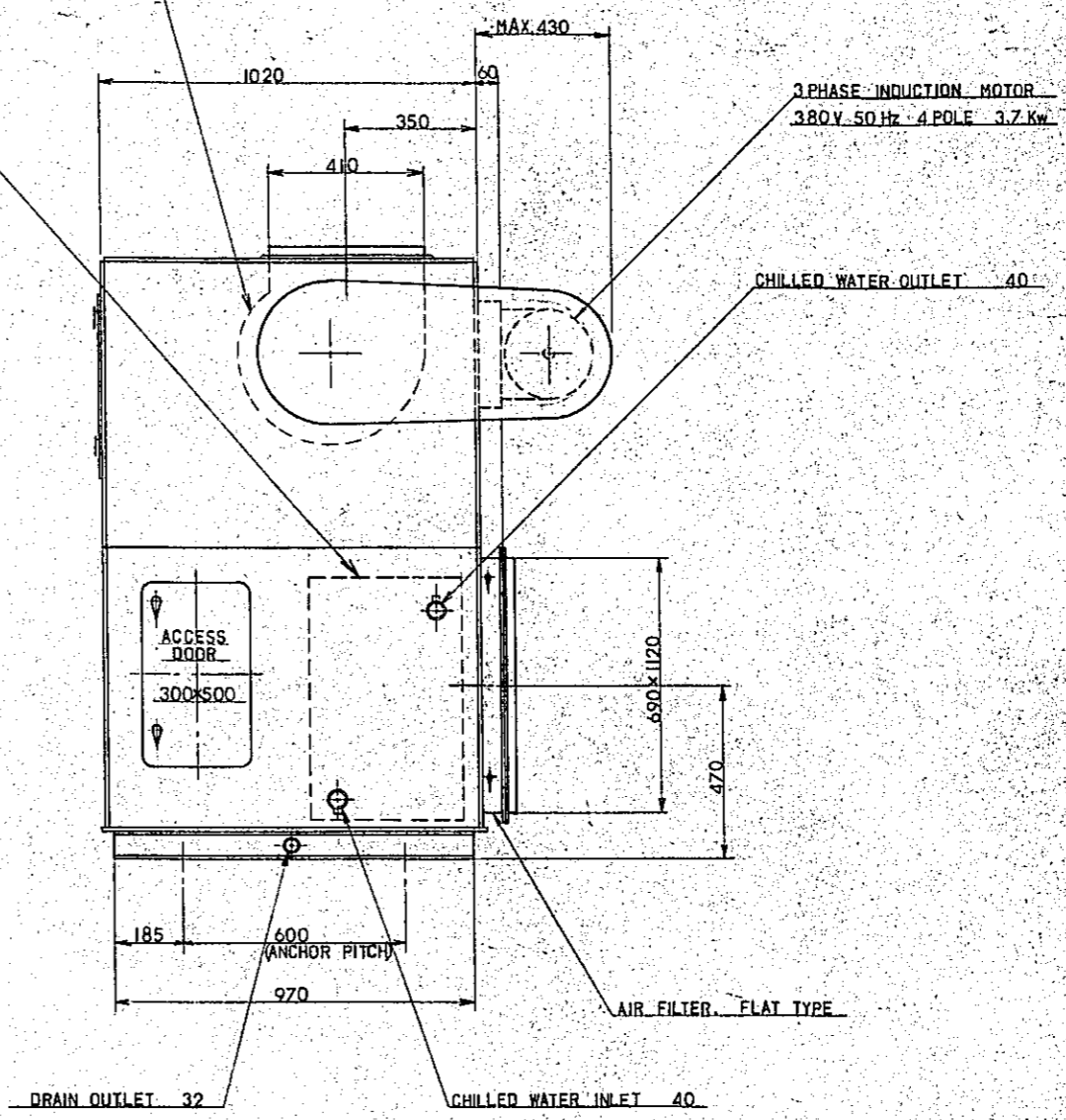
VERTICAL TYPE AIR HANDLING UNIT (SUB CONTROL)  
(MODEL : A8EAR)  
SCALE : 1/10

CONSTRUCTION PROJECT OF BTV HALL IN DACCA		DATE 12/77
TITLE OF DRAWING DETAIL OF AIR HANDLING UNIT NO. 5		SCALE 1/10
		DRG. NO. M-33



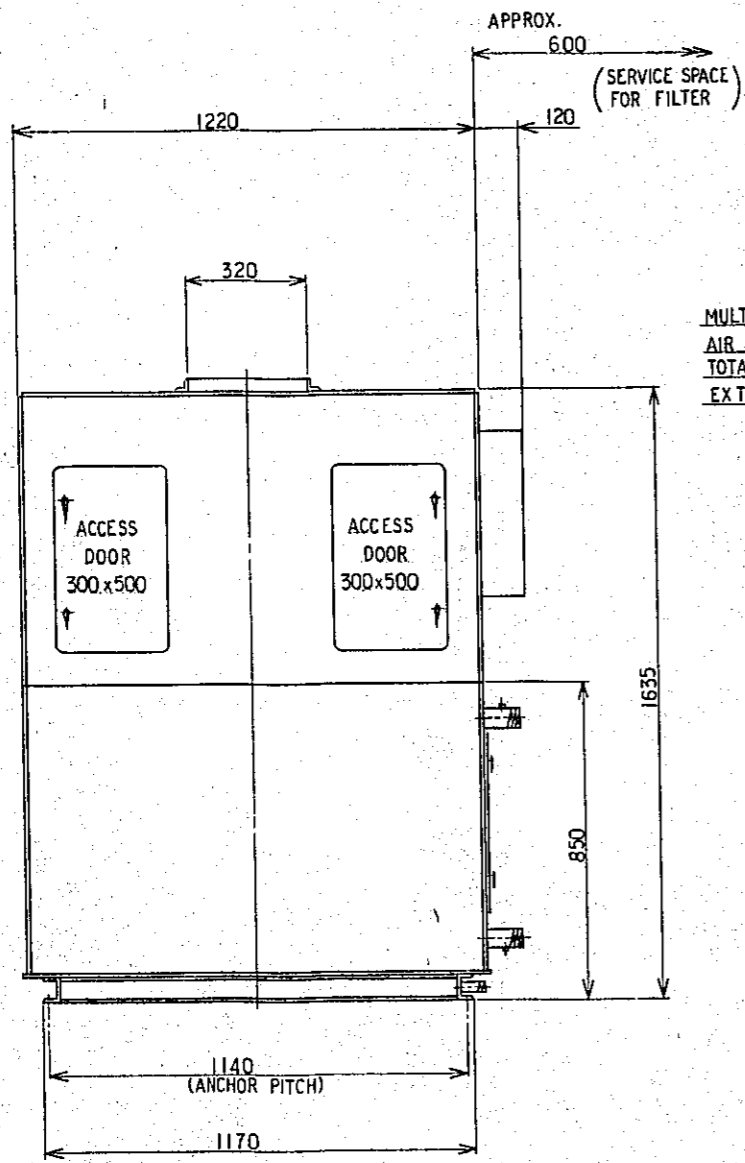
COOLING COIL (TYPE: CROSS FIN COIL)  
 8 ROWS, FP=35mm F.A.=0.4013M

MULTI BLADE TYPE FAN  
 AIR VOLUME 3700 CMH  
 TOTAL S.P: 80 mmAq  
 EXT. S.P: 60 mmAq

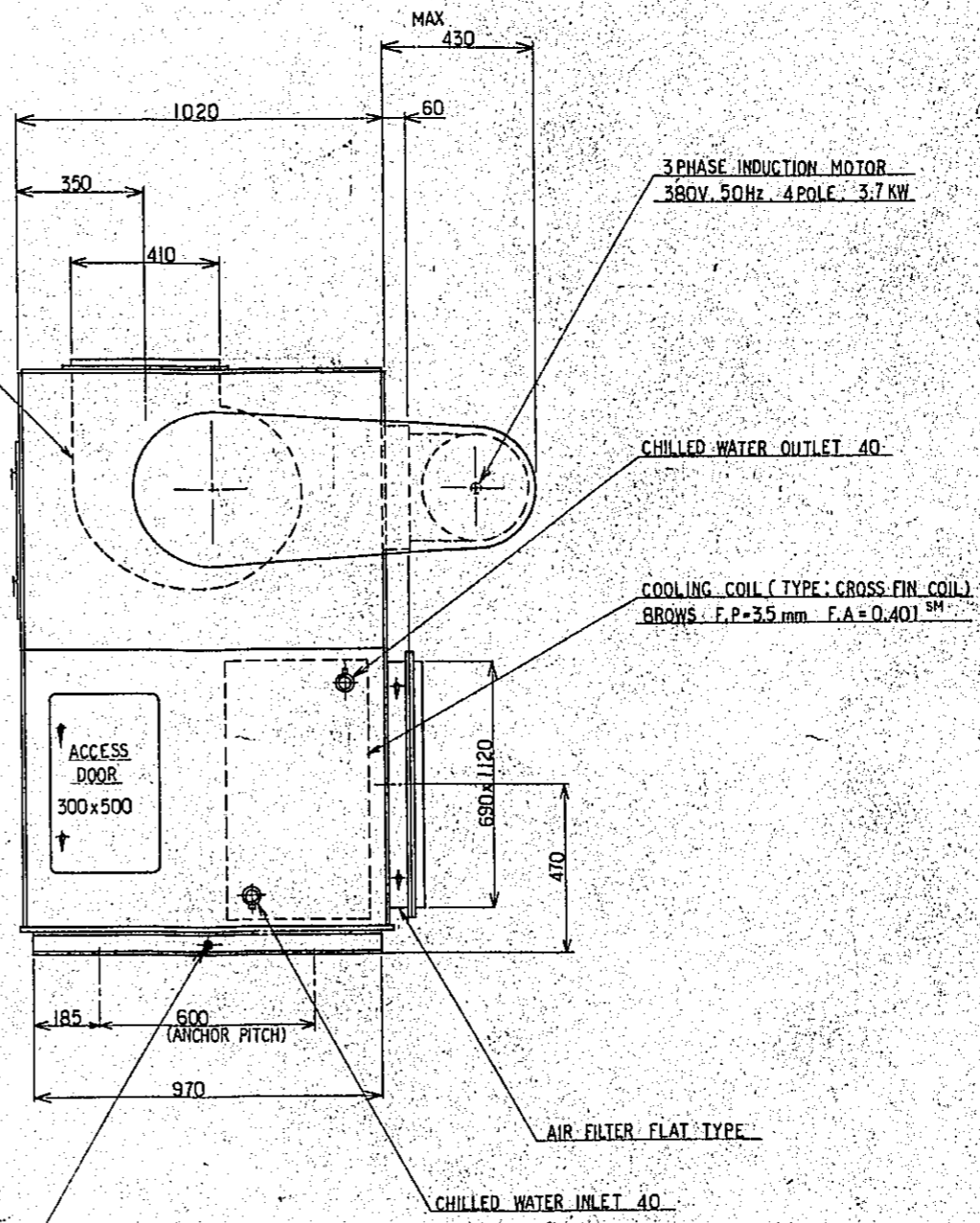


VERTICAL TYPE AIR HANDLING UNIT (VIP ROOM)  
 (MODEL : AV 6EAR)  
 SCALE : 1/10

CONSTRUCTION PROJECT		DATE
OF BTV HALL IN DACCA		-12/77
TITLE OF DRAWING		SCALE
DETAIL OF AIR HANDLING UNIT NO.6		1/10
ORG. NO.		M-34

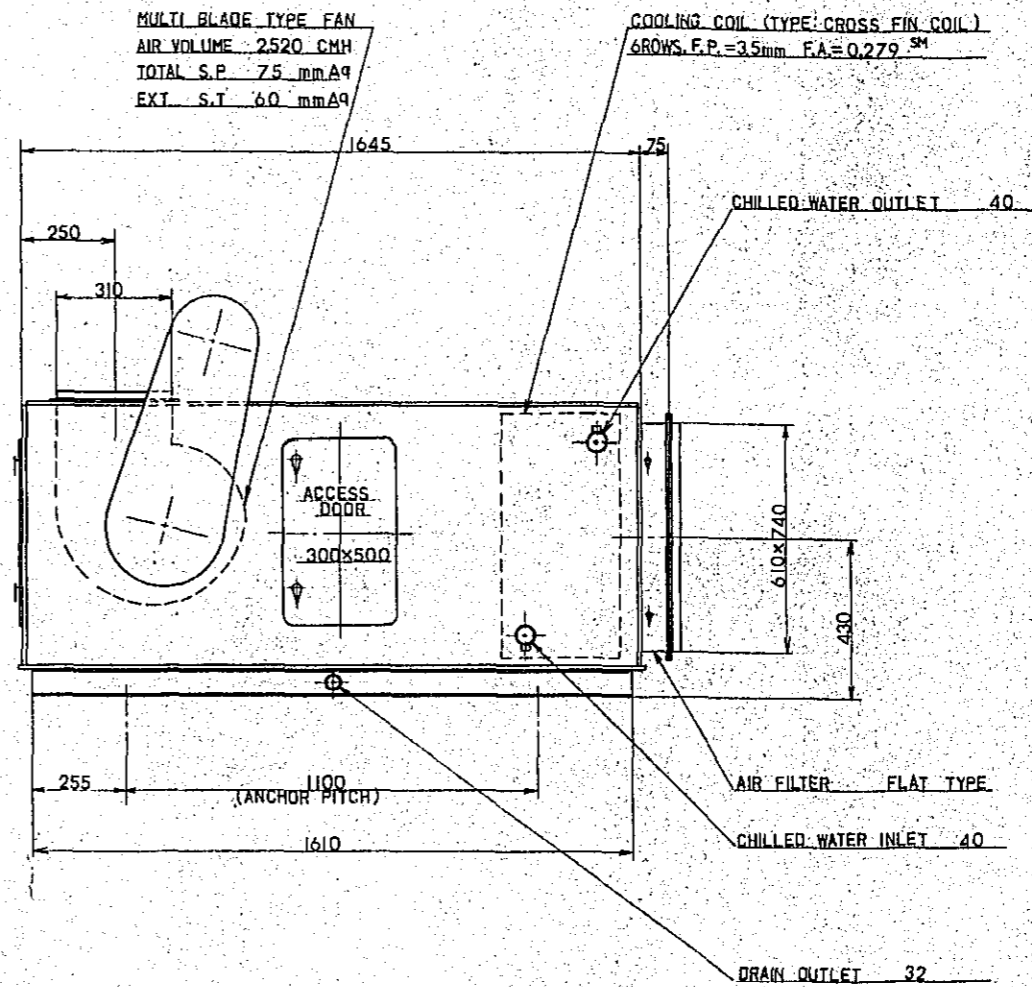
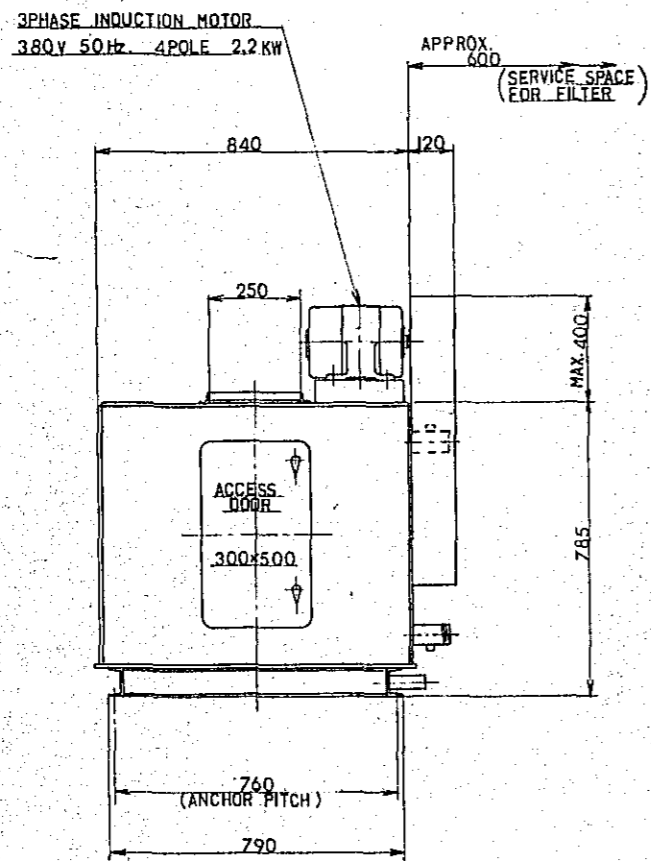


MULTI BLADE TYPE FAN  
 AIR VOLUME : 3,650 CMH  
 TOTAL S.P. : 80 mm Aq  
 EXT. S.P. : 60 mm Aq



VERTICAL TYPE AIR HANDLING UNIT (CANTEEN)  
 (MODEL : AVCAAR)  
 SCALE : 1/10

CONSTRUCTION PROJECT		DATE: 12/77
OF BTV HALL IN DACCA		SCALE: 1/10
TITLE OF DRAWING		SHEET NO.
DETAIL OF AIR HANDLING UNIT NO. 7		M-35

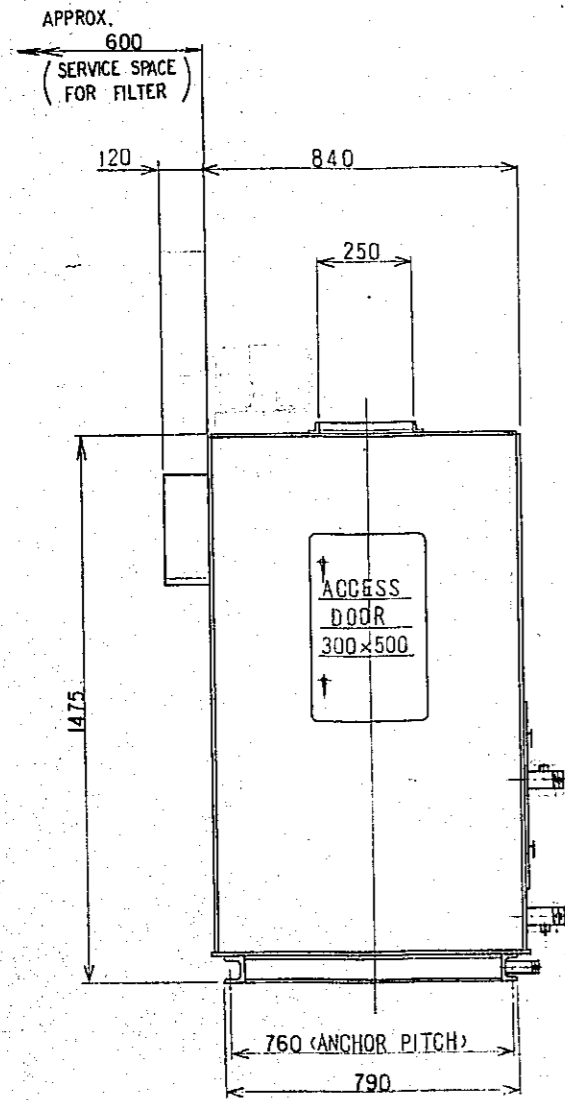


HORIZONTAL TYPE AIR HANDLING UNIT (PROJECTION)

(MODEL AH4EAR)  
SCALE 1/10

CONSTRUCTION PROJECT OF BTV HALL IN DACCA	DATE 12/77
TITLE OF DRAWING	SCALE 1/10
DETAIL OF AIR HANDLING UNIT NO. 8	DRG. NO. M-36



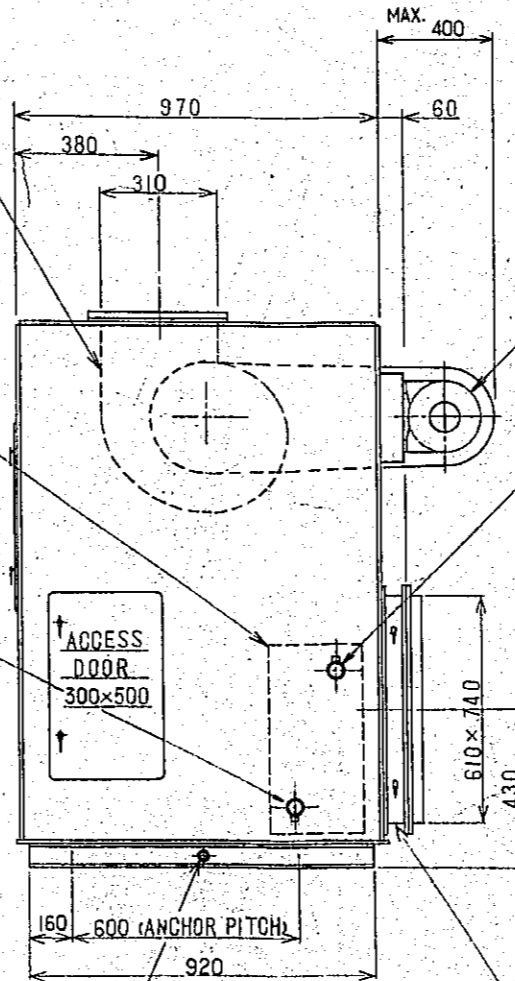


MULTI BLADE TYPE FAN  
AIR VOLUME : 1,680 CMH  
TOTAL S.P. : 72 mm Aq  
EXT. S.P. : 60 mm Aq

COOLING COIL (TYPE: CROSS FIN COIL)  
4 ROWS. F.P. = 3.5 mm / F.A. = 0.187<sup>SM</sup>

CHILLED WATER INLET 40

DRAIN OUTLET 32



3PHASE INDUCTION MOTOR  
380V. 50 Hz. 4 POLE 1.5 KW

CHILLED WATER OUTLET 40

AIR FILTER FLAT TYPE

VERTICAL TYPE AIR HANDLING UNIT (ORCHESTRA PIT)

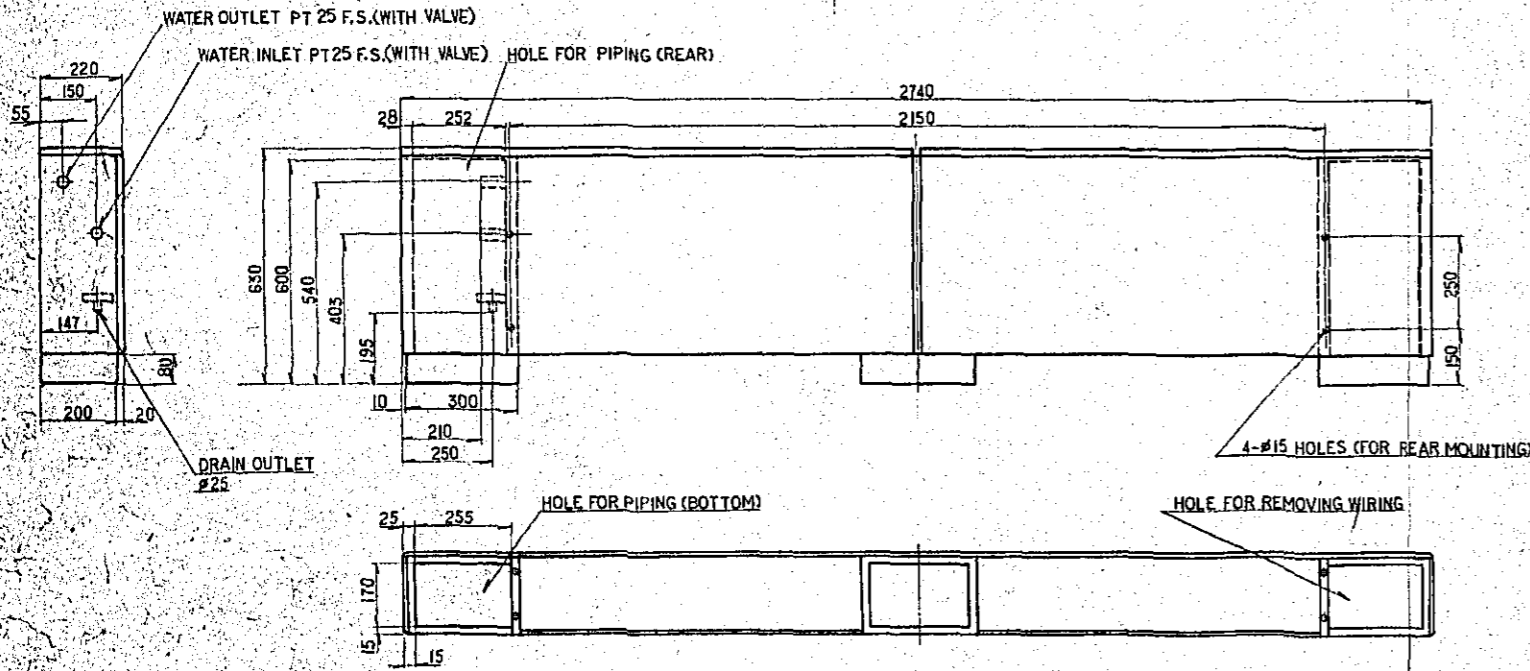
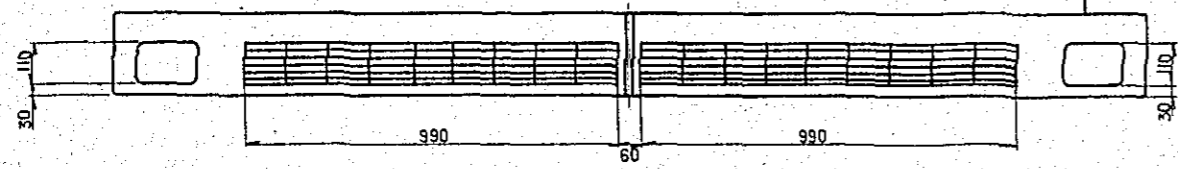
(MODEL : AV35AR)

SCALE : 1/10

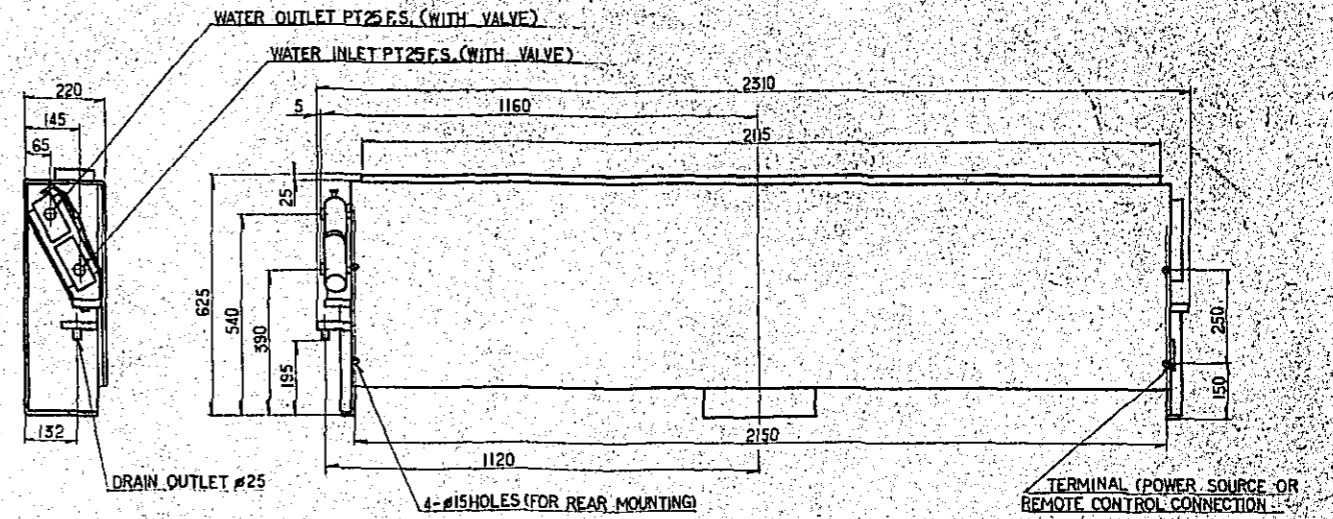
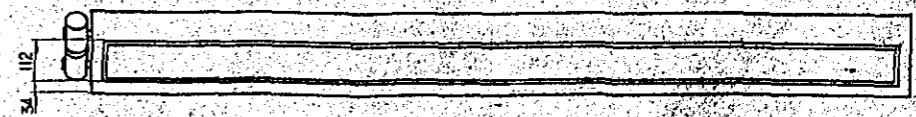
CONSTRUCTION PROJECT		DATE
OF BTV HALL IN DACCA		12/77
TITLE OF DRAWING		SCALE
DETAIL OF AIR HANDLING UNIT NO 9		1/10
		DRG. NO.
		M-37

(FWV124A)

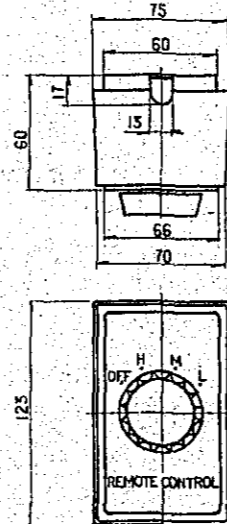
POWER CODE (APPROX. 2M)



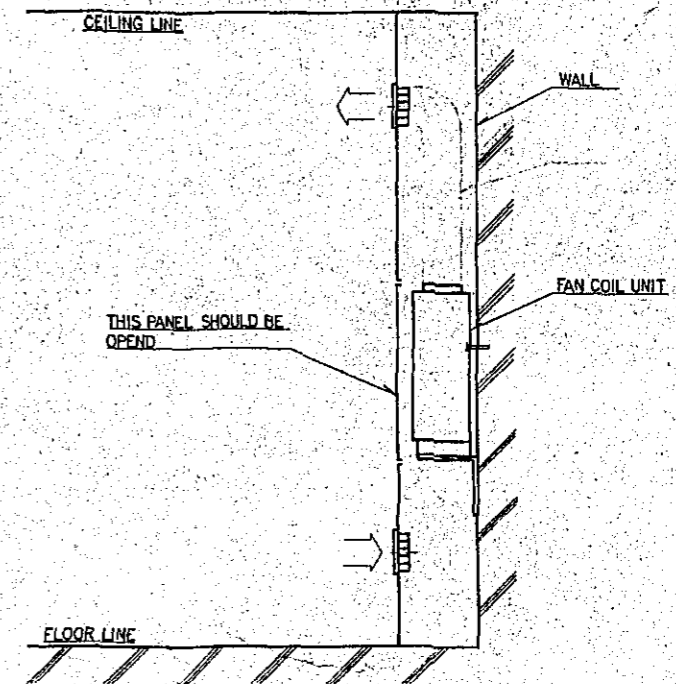
(FWV123A)



REMOTE CONTROL SWITCH

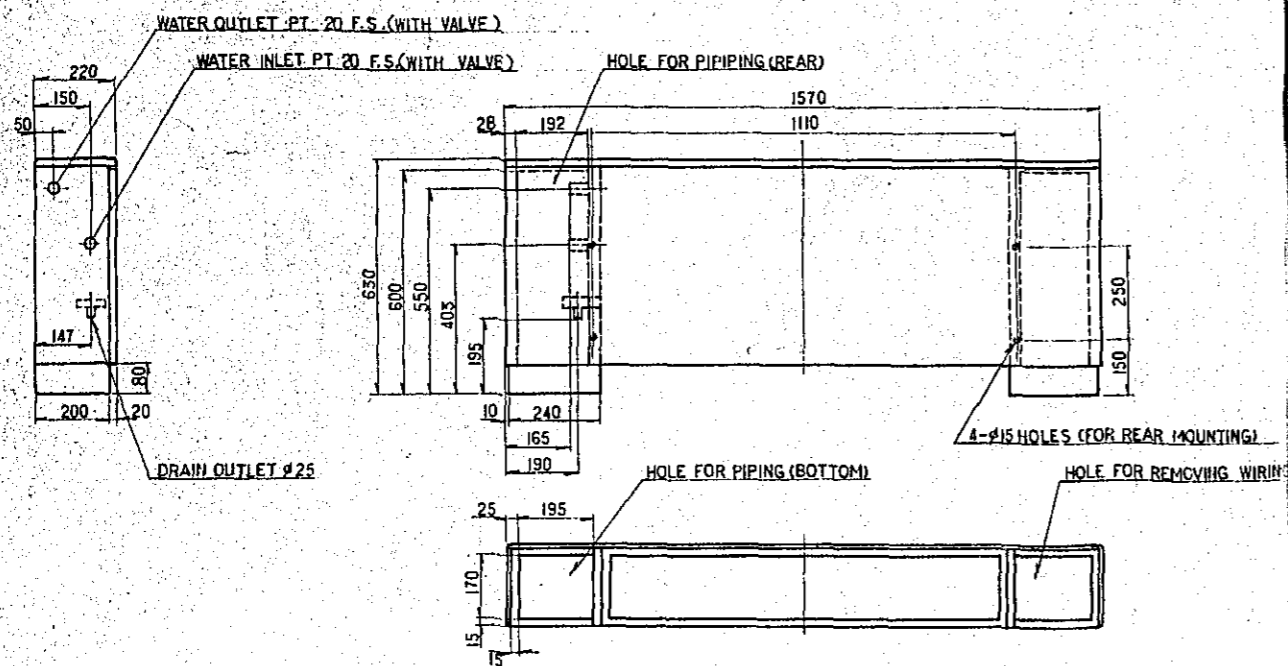
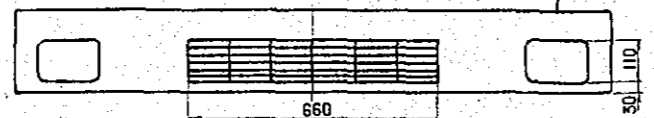


CONSTRUCTION DRAWING FOR INSTALLATION OF FAN COIL UNIT  
VERTICAL CONCEALED TYPE

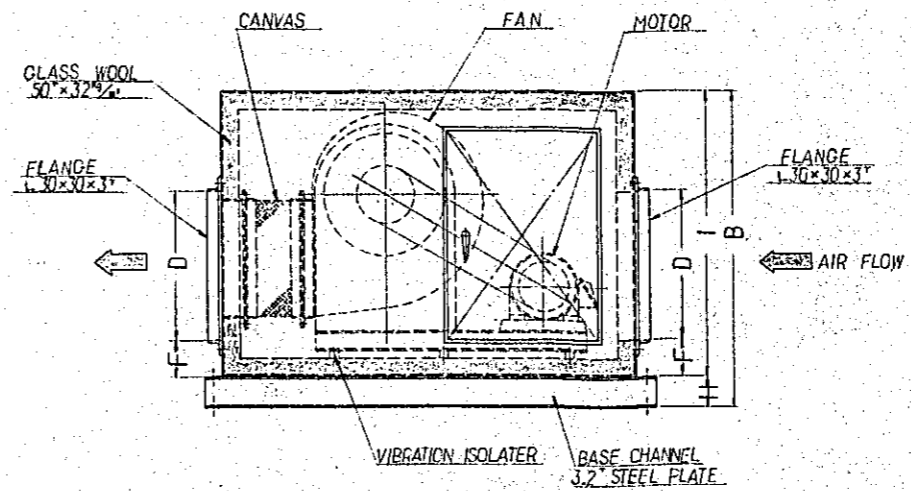
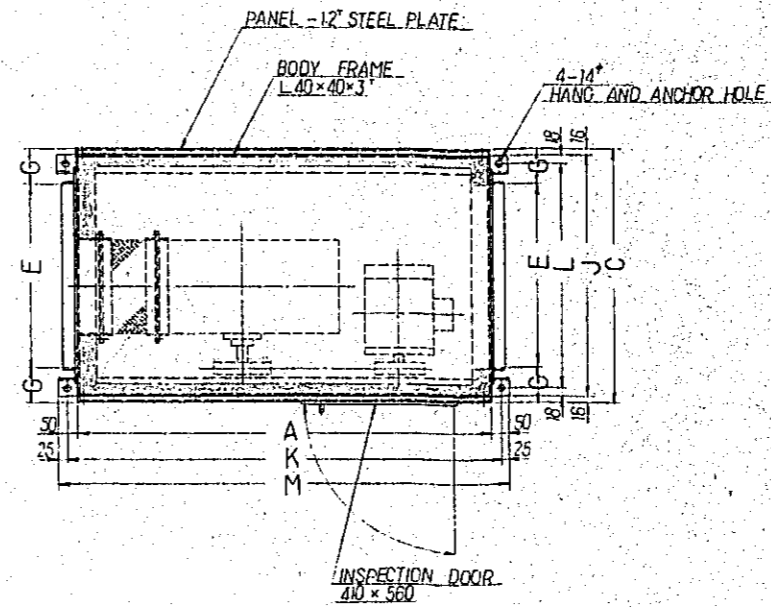
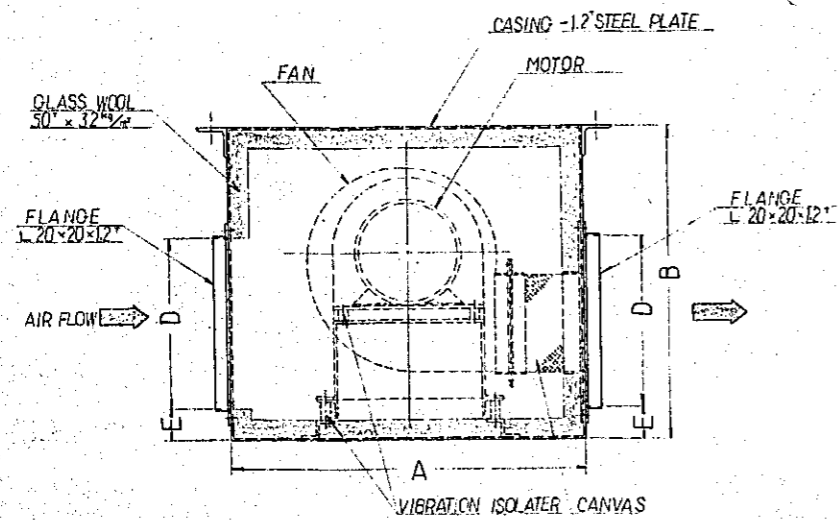
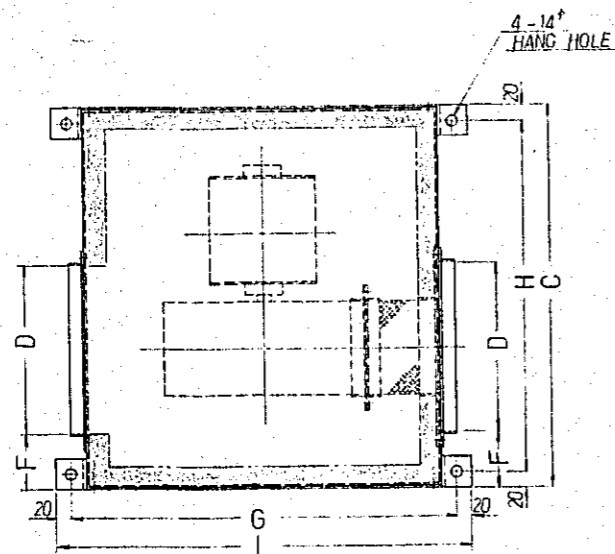


(FWV64A)

POWER CODE (APPROX. 2M)



CONSTRUCTION PROJECT		DATE
OF BTV HALL IN DACCA		12/77
TITLE OF DRAWING		SCALE
DETAILS OF FAN COIL UNITS		1/10
		DRG. NO.
		M-39

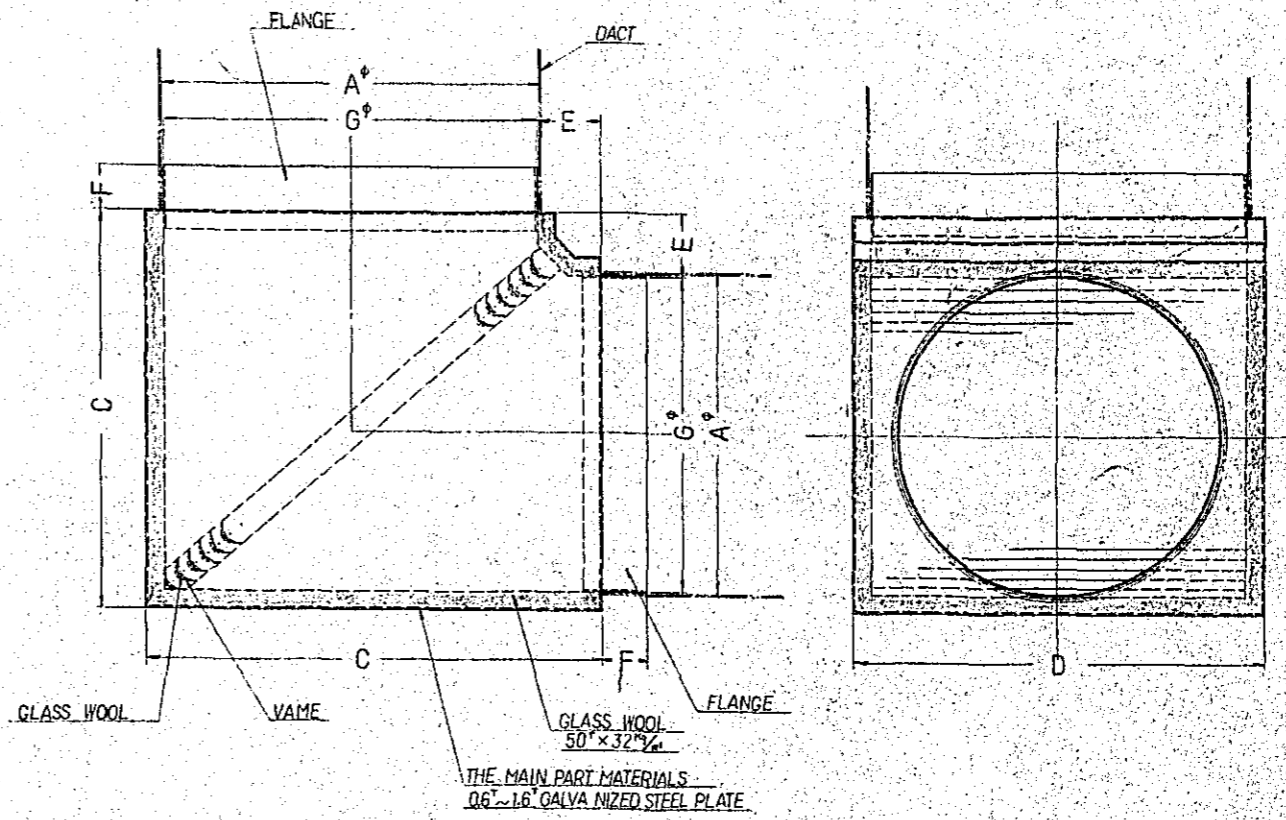
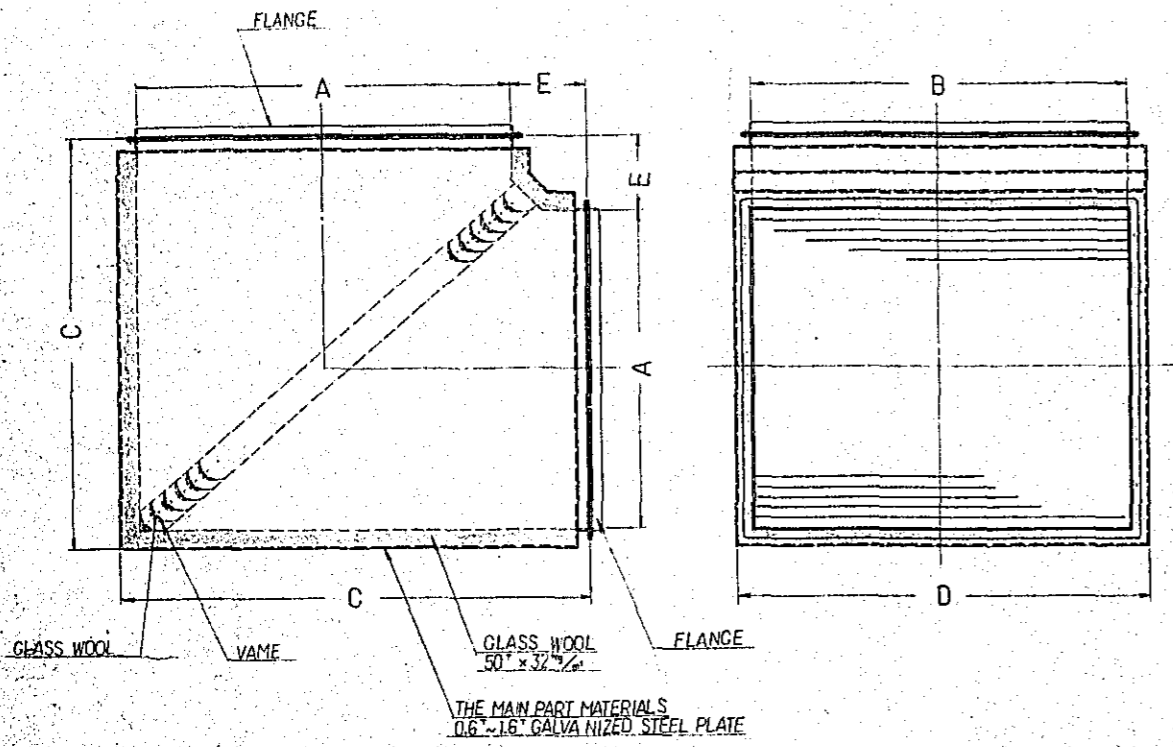


FAN UNIT TYPE	FAN				MOTOR				A	B	C	D	E	F	G	H	I	
	TYPE	AIR VOLUME	STATIC PRESSURE	REVOLUTION	KW	P	V	Hz										
TFU-201	185-165	100-360 C <sub>FM</sub>	15 mmHg	1470 rpm	0.2	4	380	3	50	470	470	560	230	67	98	510	520	550
TFU-202	195-192	1490 C <sub>FM</sub>	20		0.2	4	380	3	50	470	470	560	230	67	98	510	520	550
TFU-301	175-230	1800-1810 C <sub>FM</sub>	20		0.75					525	600	630	320	91	97	585	590	605

FAN UNIT TYPE	FAN				MOTOR				A	B	C	D	E	F	G	H	I	J	K	L	M	
	TYPE	AIR VOLUME	STATIC PRESSURE	REVOLUTION	KW	P	V	Hz														
TFU-5US	NO.2SS	4200 C <sub>FM</sub>	55 mmHg	1090 rpm	22	4	380	3	50	1100	850	682	400	500	100	91	80	770	650	1150	614	1200
TFU-7US	NO.3SS	9600 C <sub>FM</sub>	60 mmHg	1000 rpm	37	4	380	3	50	1400	1180	942	600	800	100	71	80	1100	910	1450	874	1500

FAN UNIT TYPE	PULLEYSIDE BEARING NO.	SUCTIONSIDE BEARING NO.	FAN PULLEY	MOTOR PULLEY	V-BELT
TFU-5US	UKF206+H (25°)	UCP204 (20°)	148°	113°	A-53in
TFU-7US	UKF207+H (30°)	UCP205 (25°)	305°	153°	A-82in

CONSTRUCTION PROJECT OF BTV HALL IN DACCA		DATE 12/77
TITLE OF DRAWING		SCALE
DETAILS OF FANS		DRG. NO. M-39



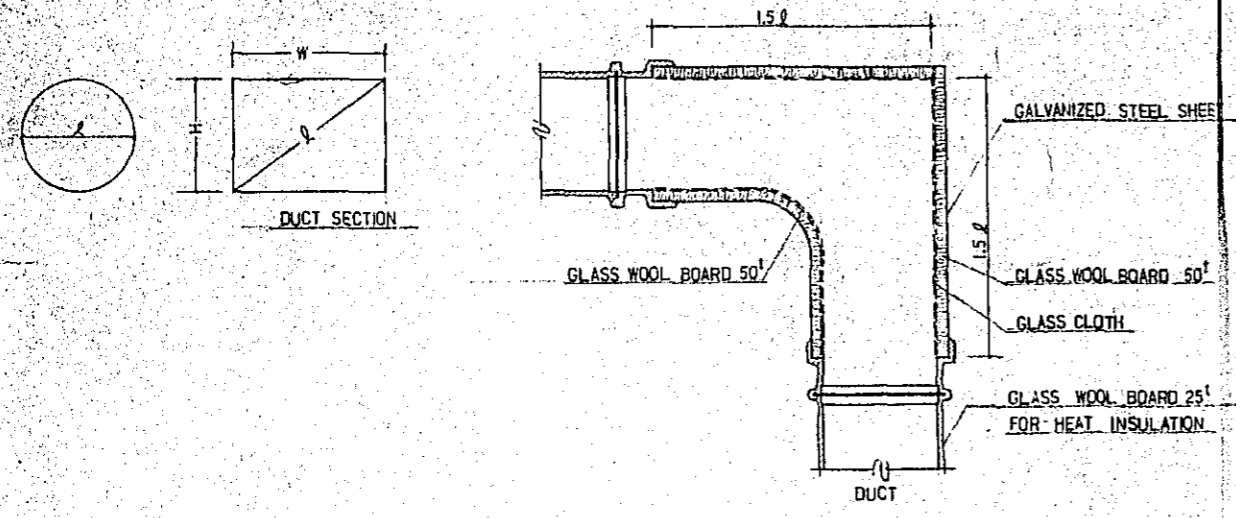
NOISE DECREASE AND RECTIFIER ELBOW UNIT (FOR SQUARE SHAPE DUCT)

A	B	C	D	E	FLANGE
200~599	200~1600	A+250	B+100	200	L30 x 30 x 3
600~1600	200~1600	A+300	B+100	250	L40 x 40 x 3

NOISE DECREASE AND RECTIFIER ELBOW UNIT (FOR ROUND SHAPE DUCT)

A	C	D	G	E	F
200~599	A+250	A+100	A-2	200	120
600~1500	A+300	A+160	A-3	250	120

SILENCER ELBOW OF IN PLACE PRODUCT TYPE



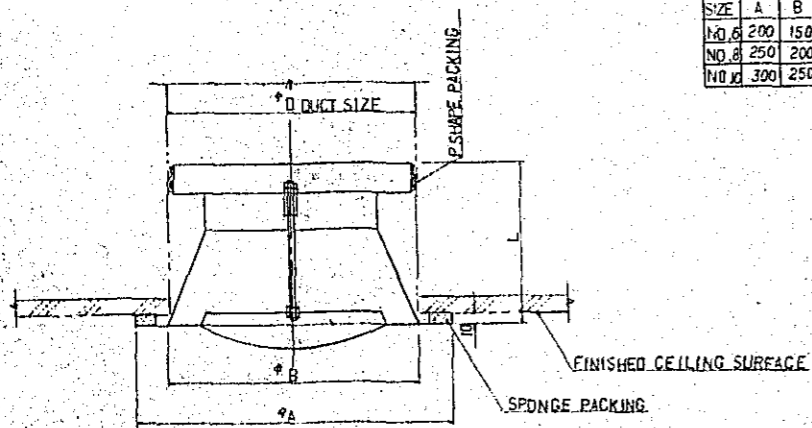
SILENCER ELBOW OF MANUFACTURE PRODUCT TYPE

NOTE  
ELBOW MAY BE PRODUCED BY IN PLACE TYPE

CONSTRUCTION PROJECT		DATE
OF BTV HALL IN DACCA		12/77
TITLE OF DRAWING		SCALE
DETAILS OF SILENCER ELBOWS		ORG. NO.
		M-40

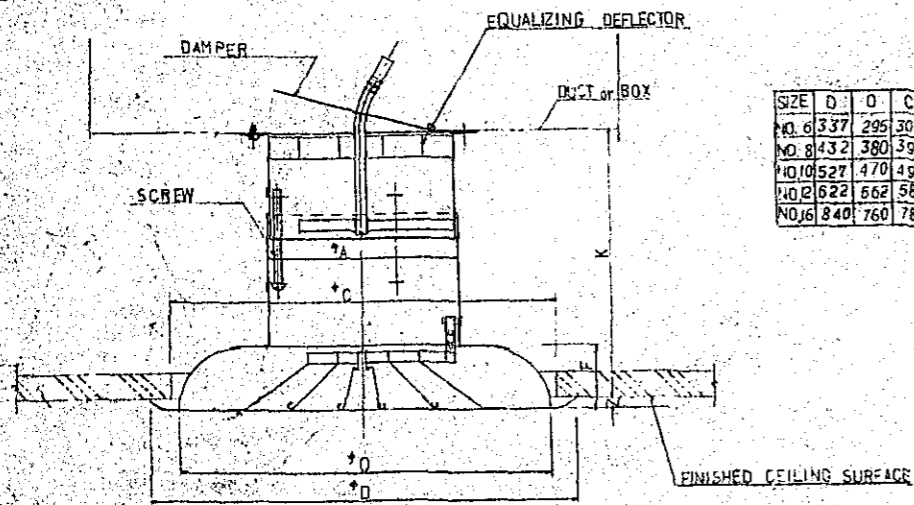
Y.S TYPE

SIZE	A	B	D	L	QTY
NO.6	200	150	150	95	5
NO.8	250	200	200	130	9
NO.12	300	250	250	140	4



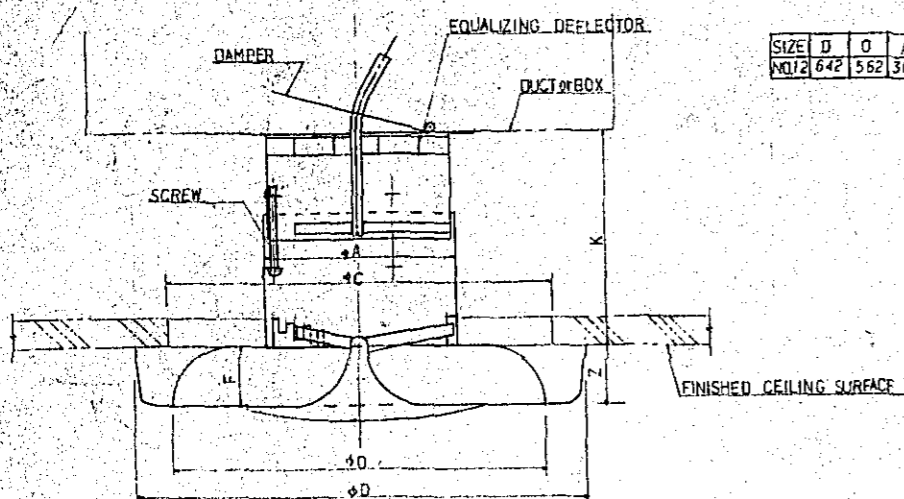
A2R(SED) TYPE

SIZE	D	O	C	A	F	Z	K	QTY
NO.6	337	295	305	153	50	8	20 ± 15	10
NO.8	432	380	395	203	62	10	220 ± 15	4
NO.10	527	470	490	254	74	11	230 ± 15	7
NO.12	622	562	582	305	88	11	245 ± 15	10
NO.16	840	760	780	405	110	15	270 ± 15	8

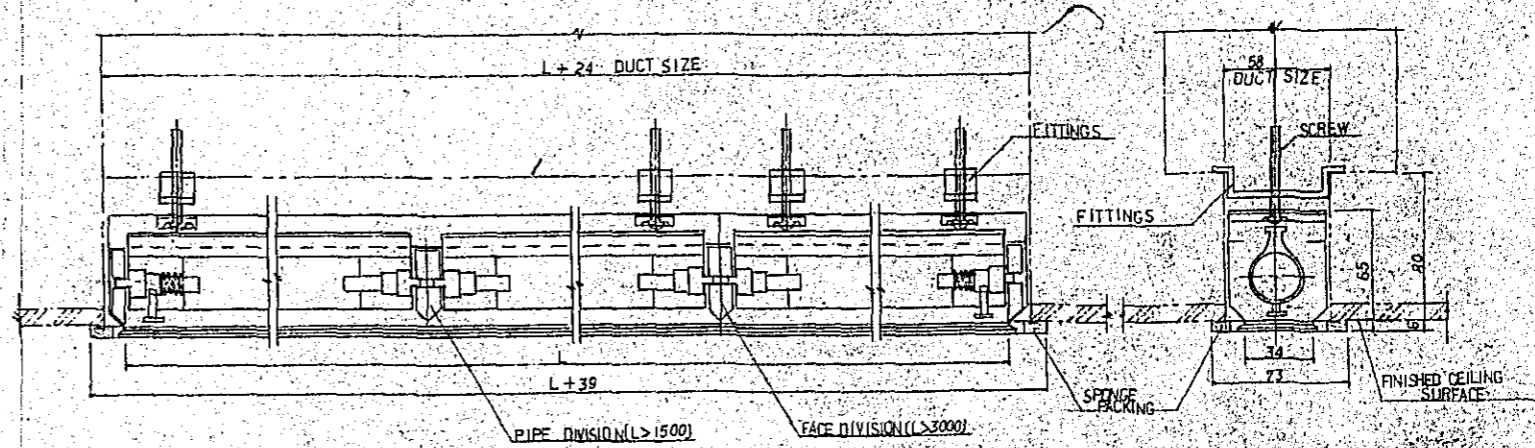


BR-AC(SED) TYPE

SIZE	D	O	A	C	F	Z	K	QTY
NO.12	642	562	305	582	88	50	205 ± 15	32



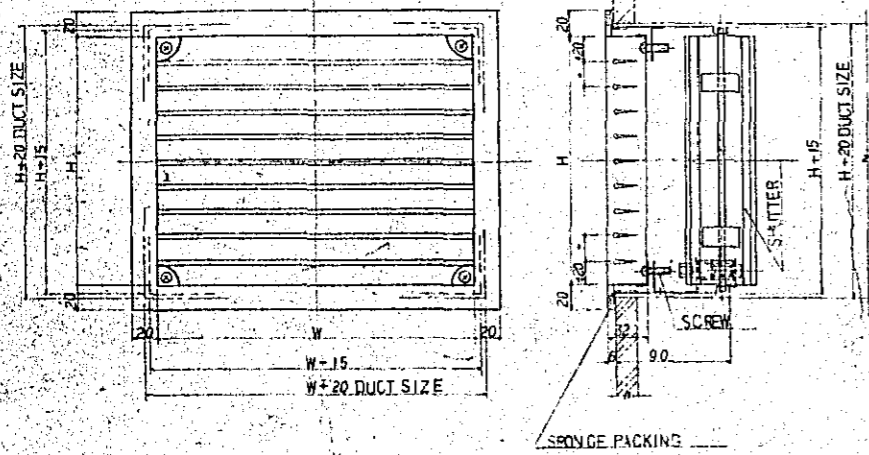
PL-S TYPE



L	QTY
2000	1
2200	8
4800	1

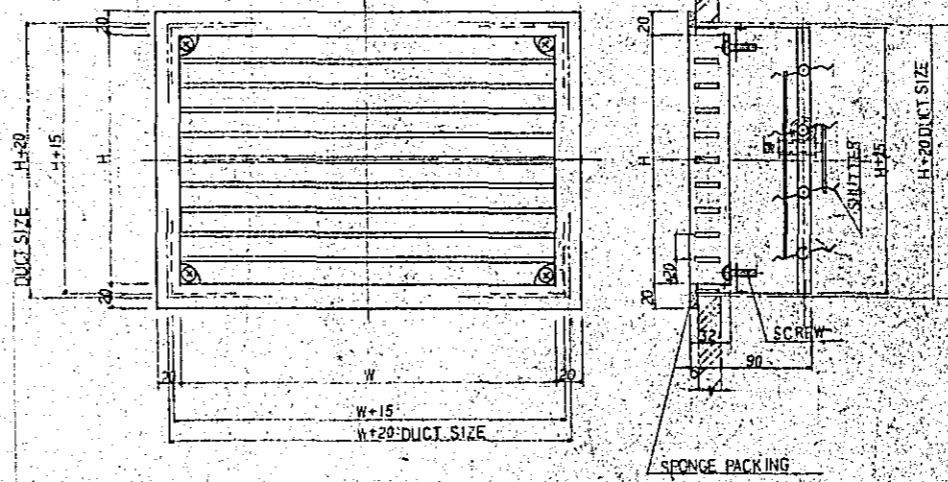
CONSTRUCTION PROJECT		DATE
OF BTV HALL IN DACCA		12/77
TITLE OF DRAWING		SCALE
DETAILS OF OUTLET & INLET NO 1		DRG. NO.
		M-41

HS TYPE



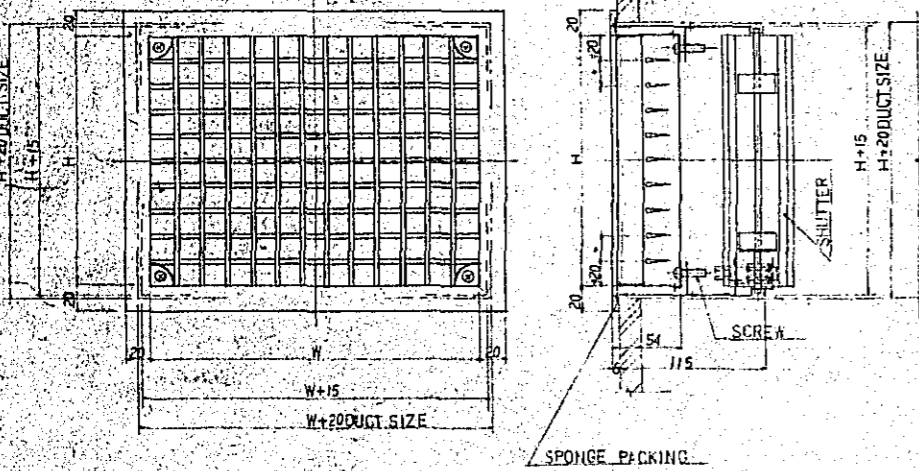
W	H	QTY
500	400	2
250	250	1
500	200	19
500	300	8

SR-H TYPE



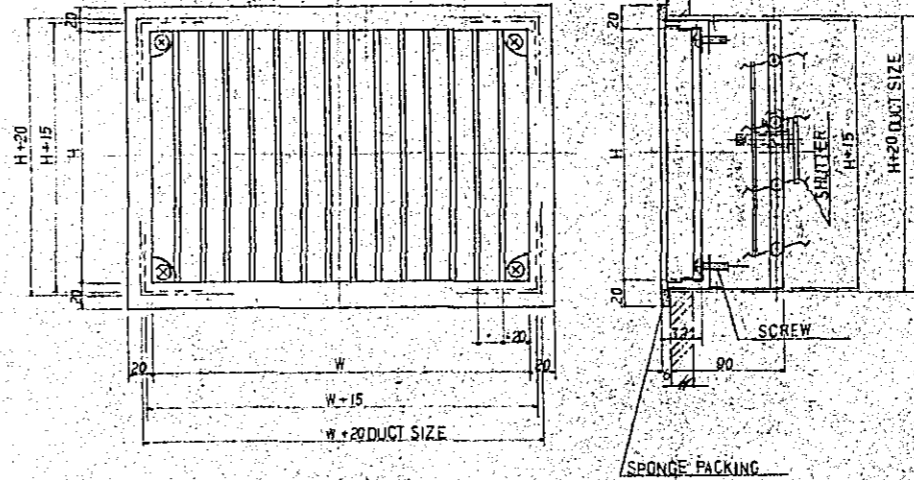
W	H	QTY
900	250	2
350	300	1
200	150	4
600	500	3
700	400	2
1200	350	1
600	1000	1
2000	400	1
250	200	2
1000	500	1

VHS TYPE



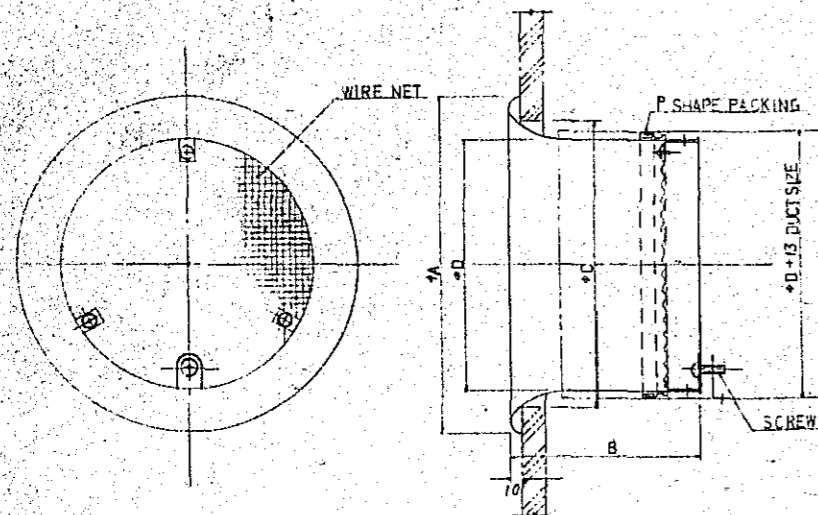
W	H	QTY
1000	500	40
300	300	1

SR-V TYPE



W	H	QTY
3000	1600	1
3500	1500	1

ZE TYPE

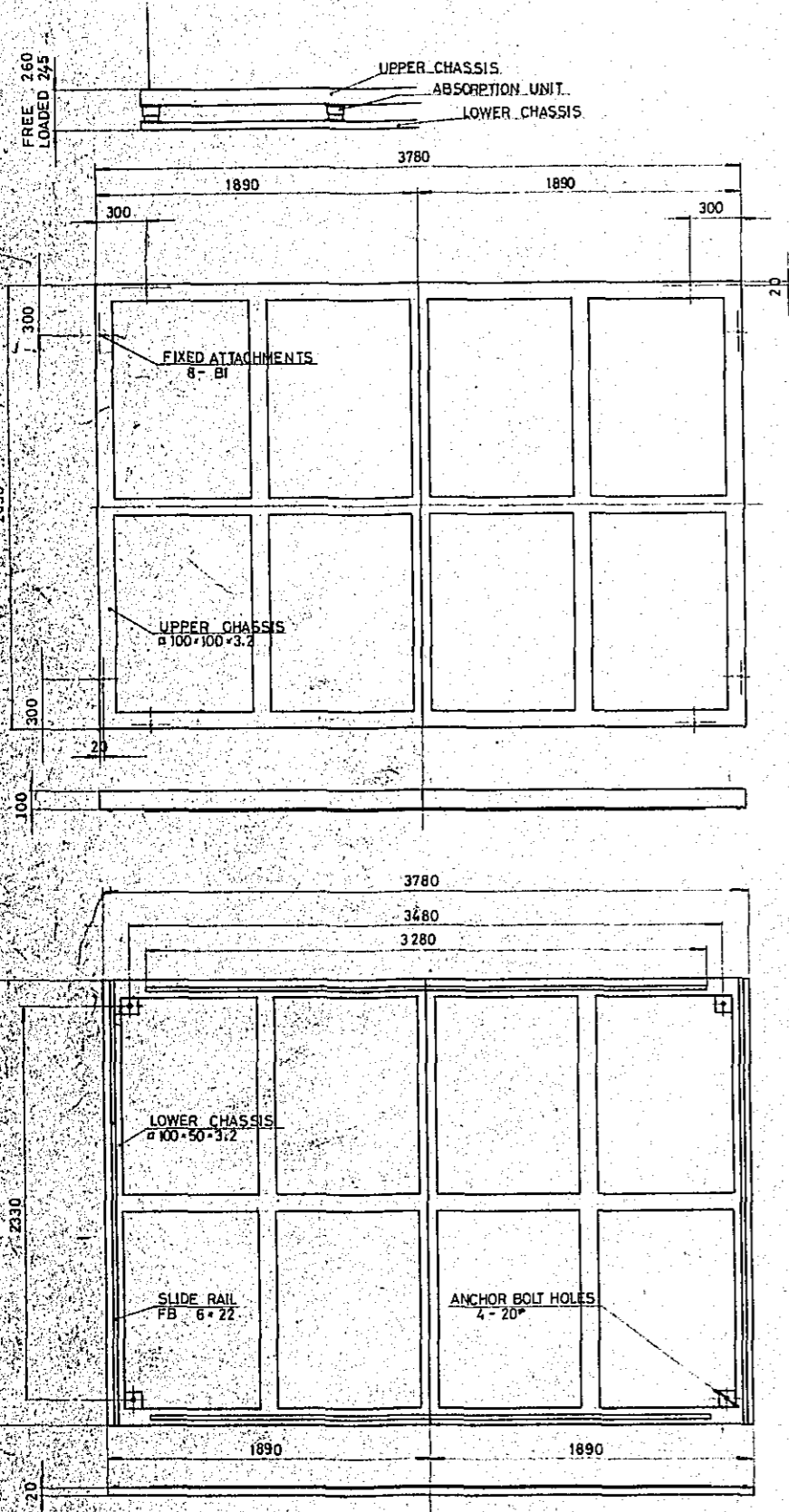


SIZE	A	B	C	D	QTY
Ø114	420	200	395	350	32

CONSTRUCTION PROJECT		DATE
OF BTV HALL IN DACCA		12/77
TITLE OF DRAWING		SCALE
DETAILS OF OUTLET & INLET NO 2		DRG. NO.
		M-42

AIR HANDLING UNIT (AH-100EA)  
 QS VIBRATION ABSORBER URH-47100EA

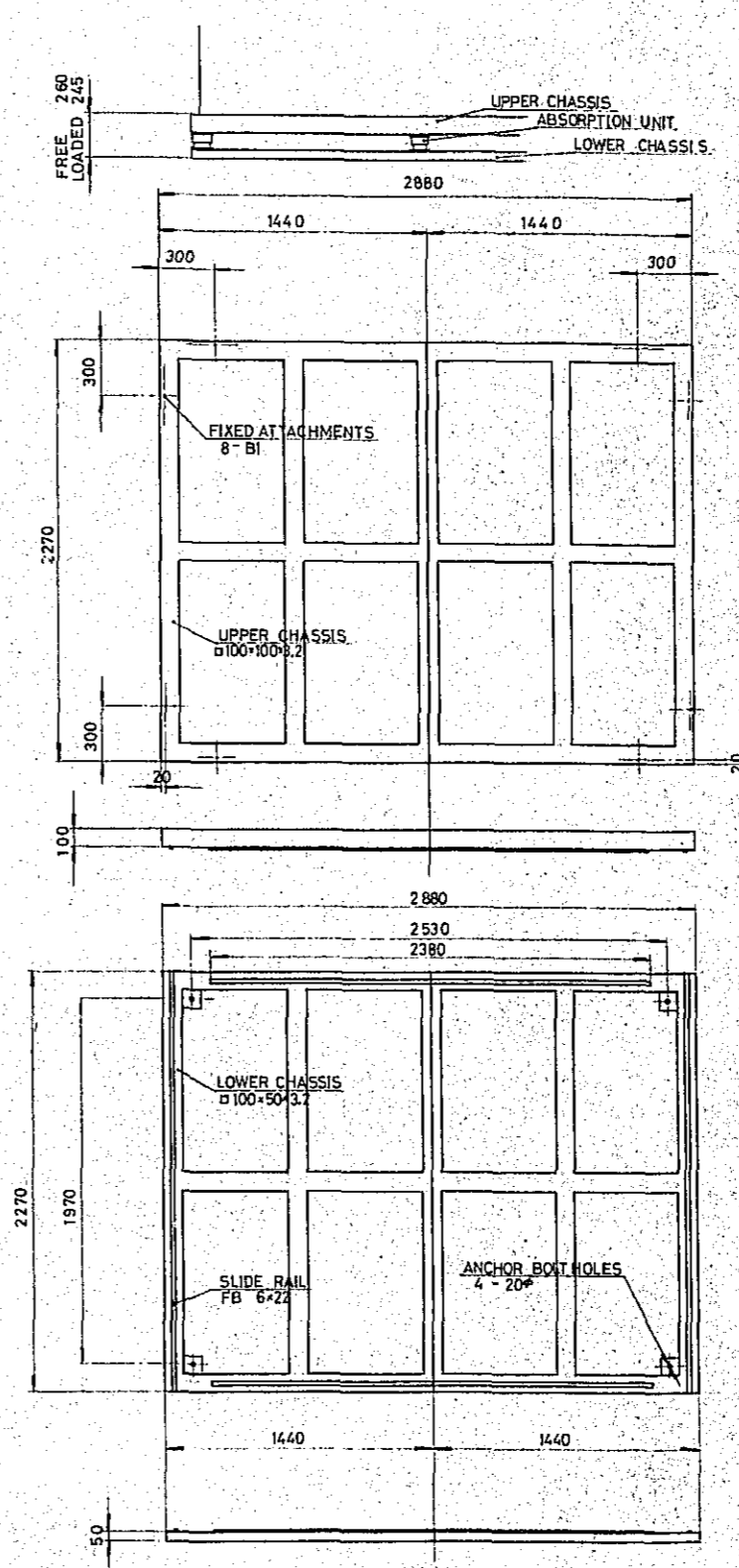
SPECIFICATIONS		
WEIGHT	UPPER CHASSIS	258 Kg
	LOWER CHASSIS	183 Kg
	TOTAL	459 Kg
ISOLATER	SPRING DIAMETER	65 mm
	SUPPORT POINT	18 P
	K	12.9
ACCESSORIES : STOPPER*4		



SCALE 1/20

AIR HANDLING UNIT (AH-35EA)  
 QS VIBRATION ABSORBER URH-3735EA

SPECIFICATIONS		
WEIGHT	UPPER CHASSIS	210 Kg
	LOWER CHASSIS	149 Kg
	TOTAL	373 Kg
ISOLATER	SPRING DIAMETER	65 mm
	SUPPORT POINT	14 P
	K	14
ACCESSORIES : STOPPER*4		

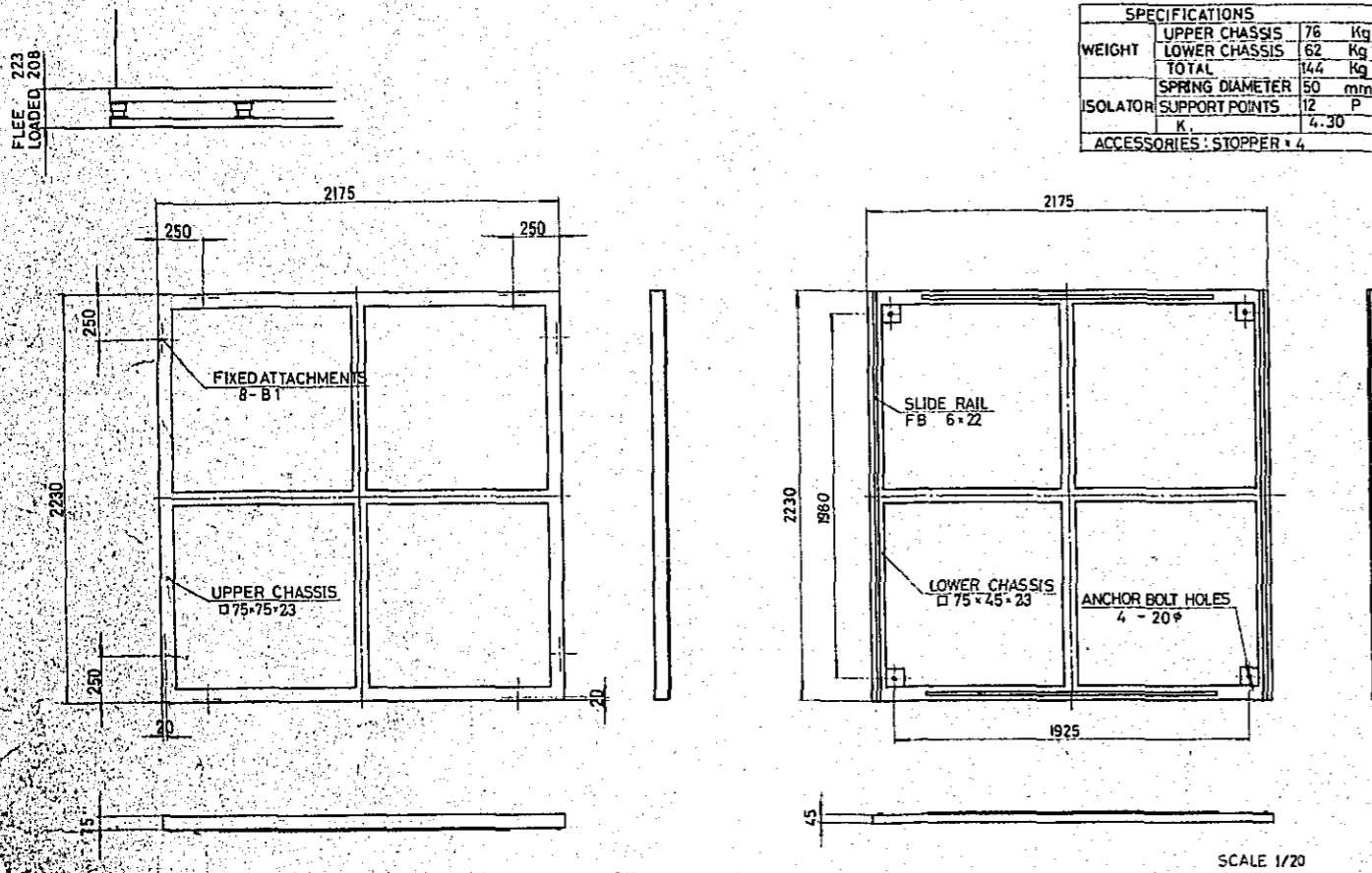


SCALE 1/20

CONSTRUCTION PROJECT		DATE	12/77
OF BTV HALL IN DACCA		SCALE	1/20
TITLE OF DRAWING		DRG. NO.	
DETAILS OF VIBRATION ABSORBER NO.1			M-43

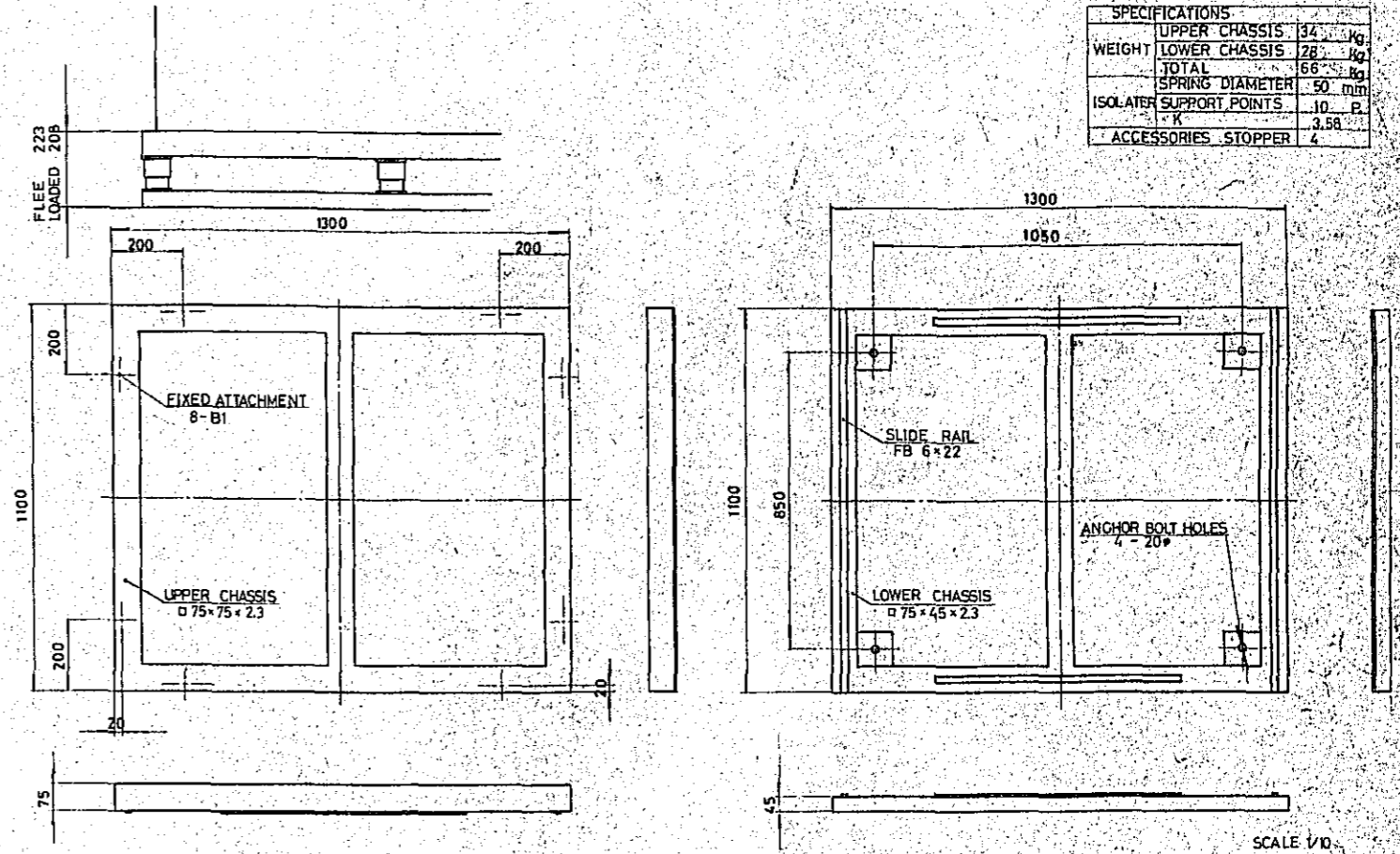
AIR HANDLING UNIT (AH-23EA)  
OS VIBRATION ABSORBER URH - 3023EA

SPECIFICATIONS		
WEIGHT	UPPER CHASSIS	76 Kg
	LOWER CHASSIS	62 Kg
	TOTAL	144 Kg
ISOLATOR	SPRING DIAMETER	50 mm
	SUPPORT POINTS	12 P
K		4.30
ACCESSORIES		STOPPER = 4



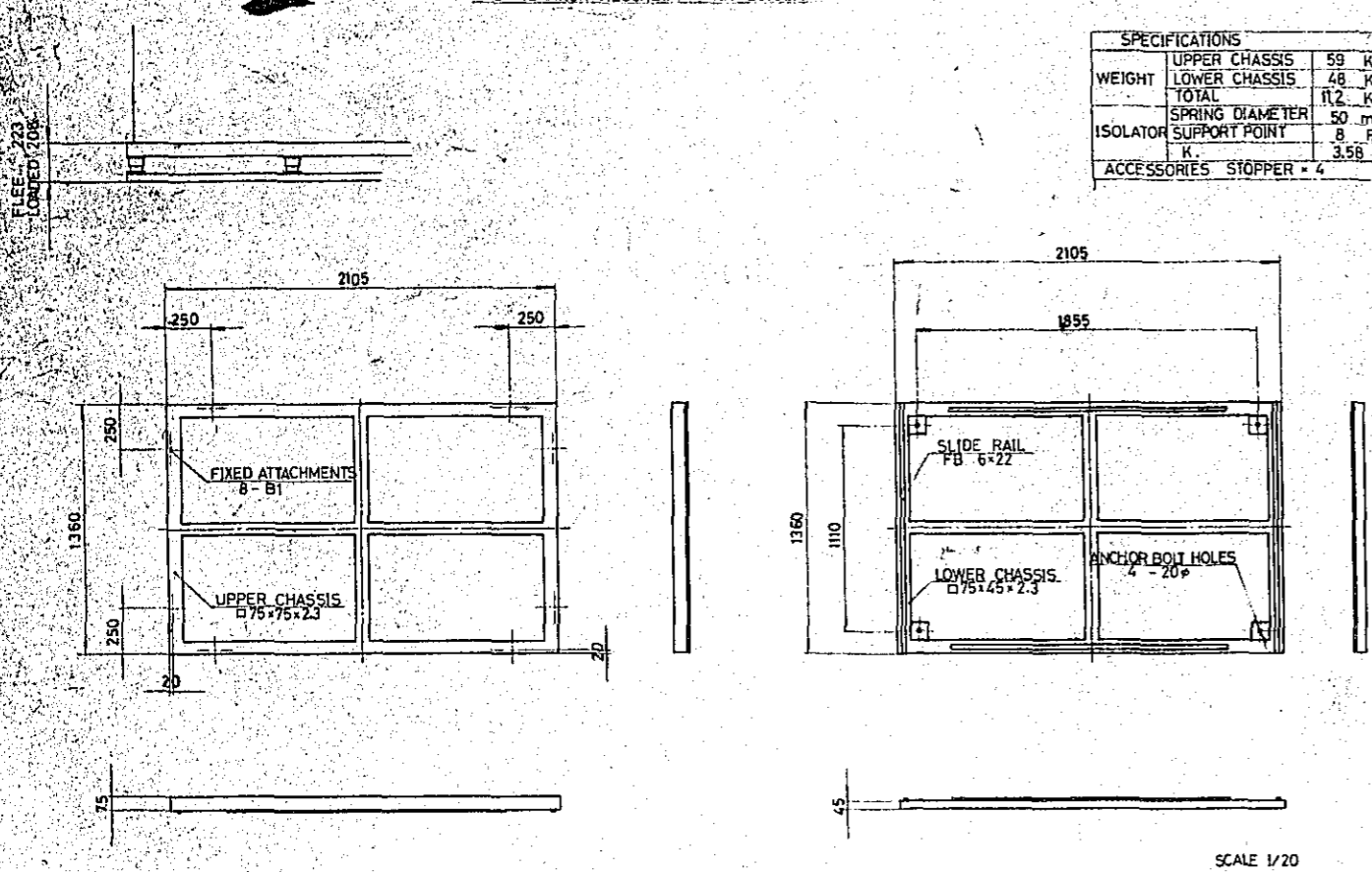
AIR HANDLING UNIT (AV-8E)  
OS VIBRATION ABSORBER URV-198EA

SPECIFICATIONS		
WEIGHT	UPPER CHASSIS	34 Kg
	LOWER CHASSIS	28 Kg
	TOTAL	66 Kg
ISOLATOR	SPRING DIAMETER	50 mm
	SUPPORT POINTS	10 P
K		3.58
ACCESSORIES		STOPPER = 4



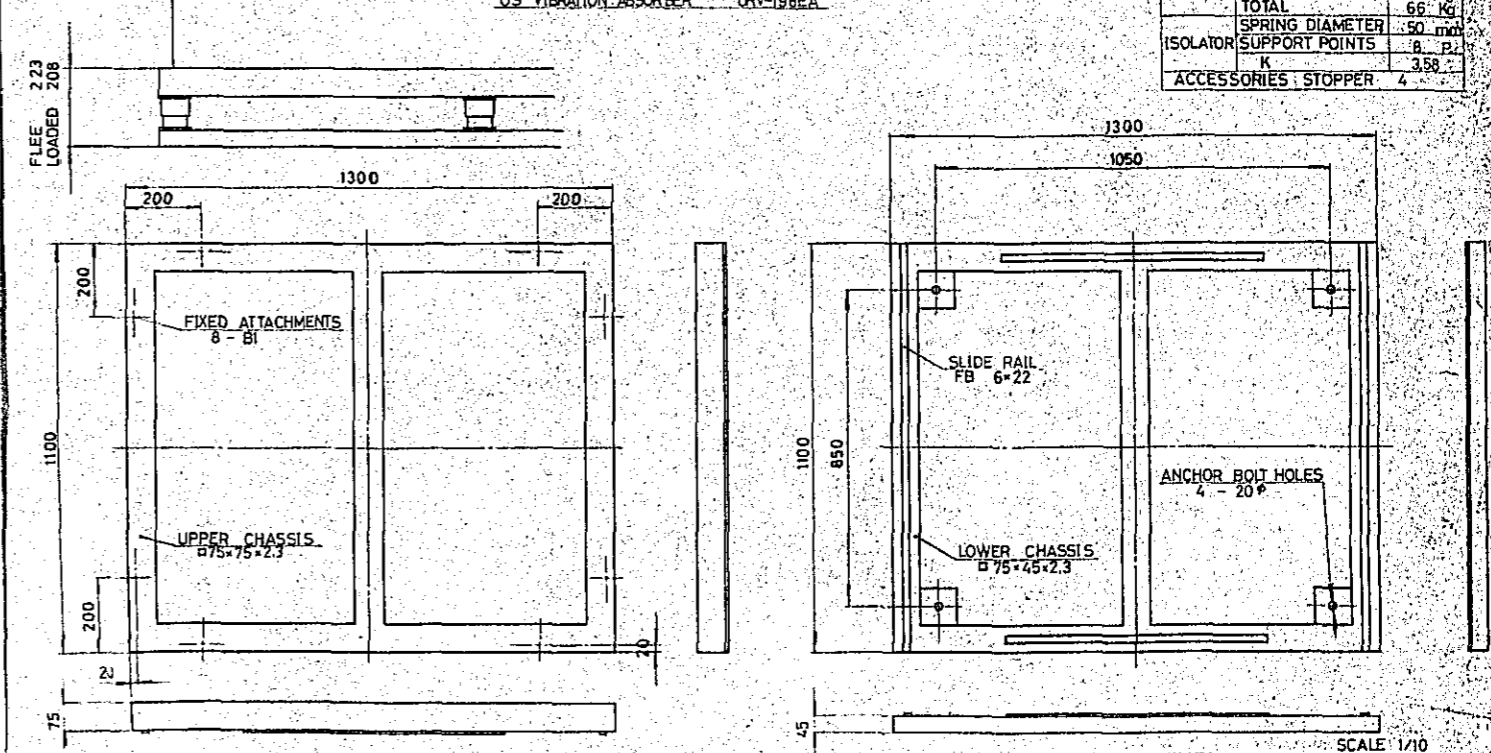
AIR HANDLING UNIT (AH-10EA)  
OS VIBRATION ABSORBER URH-2610EA

SPECIFICATIONS		
WEIGHT	UPPER CHASSIS	59 Kg
	LOWER CHASSIS	48 Kg
	TOTAL	112 Kg
ISOLATOR	SPRING DIAMETER	50 mm
	SUPPORT POINT	8 P
K		3.58
ACCESSORIES		STOPPER = 4



AIR HANDLING UNIT (AV-6EA)  
OS VIBRATION ABSORBER URV-196EA

SPECIFICATIONS		
WEIGHT	UPPER CHASSIS	34 Kg
	LOWER CHASSIS	28 Kg
	TOTAL	66 Kg
ISOLATOR	SPRING DIAMETER	50 mm
	SUPPORT POINTS	8 P
K		3.58
ACCESSORIES		STOPPER = 4

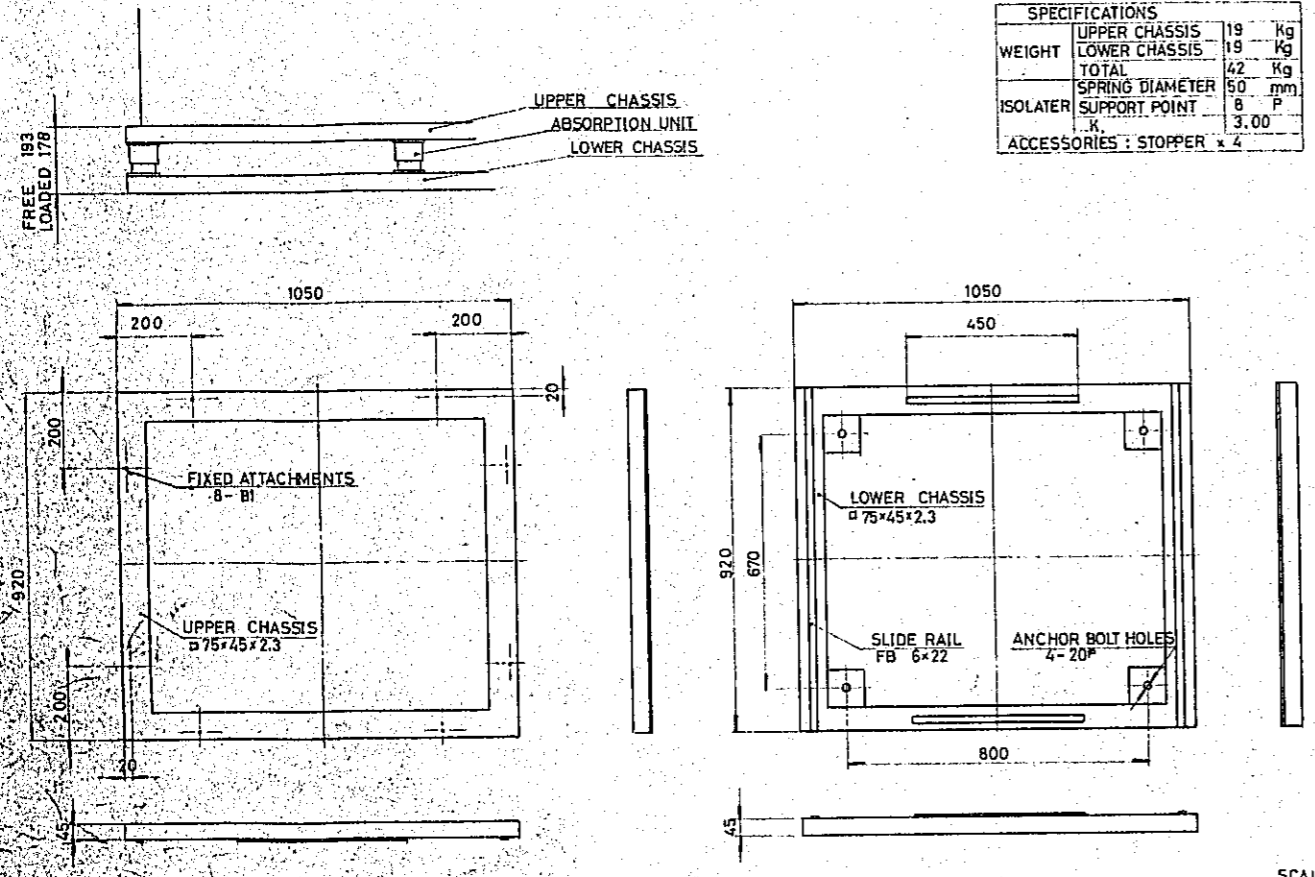


CONSTRUCTION PROJECT		DATE
OF BTV HALL IN DACCA		12/77
TITLE OF DRAWING		SCALE
DETAILS OF VIBRATION ABSORBER NO.2		1/20
DRG. NO.		M-44



AIR HANDLING UNIT (AV-4EA)  
 Q.S. VIBRATION ABSORBER URY-144EA

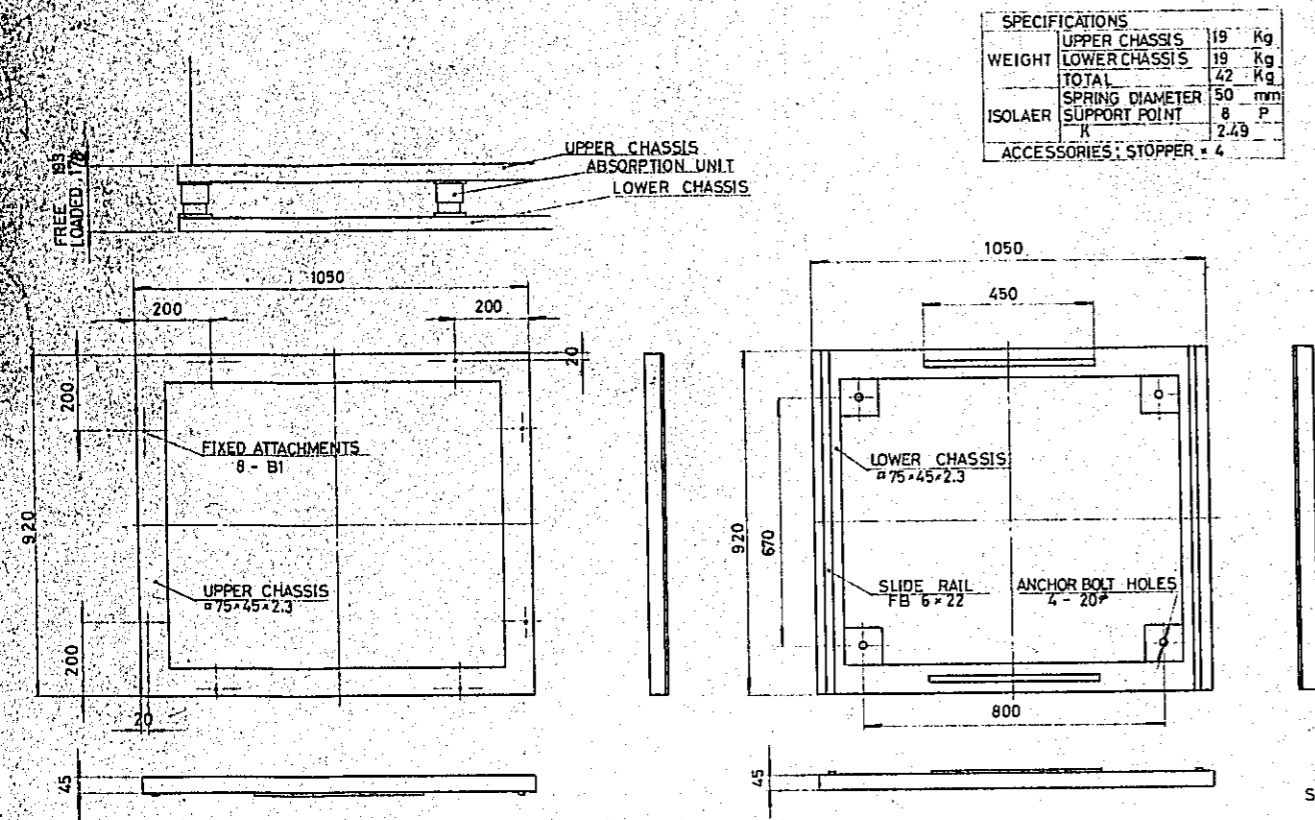
SPECIFICATIONS		
WEIGHT	UPPER CHASSIS	19 Kg
	LOWER CHASSIS	19 Kg
	TOTAL	42 Kg
ISOLATER	SPRING DIAMETER	50 mm
	SUPPORT POINT	8 P
ACCESSORIES: STOPPER		4



SCALE 1/10

AIR HANDLING UNIT (AV-3EA)  
 Q.S. VIBRATION ABSORBER URY-143EA

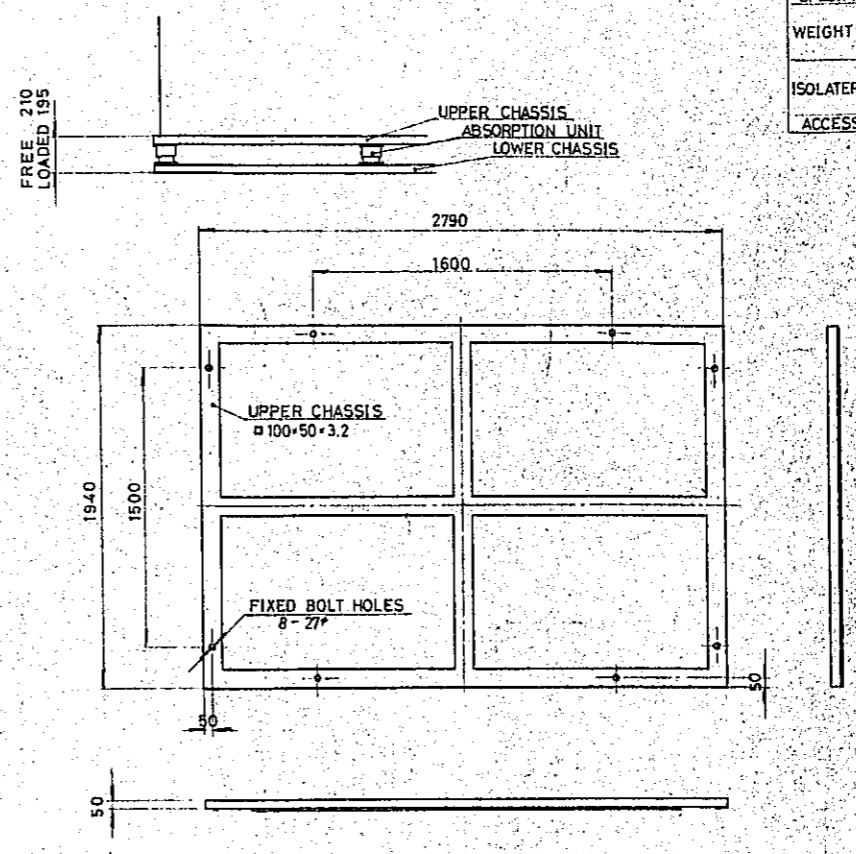
SPECIFICATIONS		
WEIGHT	UPPER CHASSIS	19 Kg
	LOWER CHASSIS	19 Kg
	TOTAL	42 Kg
ISOLATER	SPRING DIAMETER	50 mm
	SUPPORT POINT	8 P
ACCESSORIES: STOPPER		4



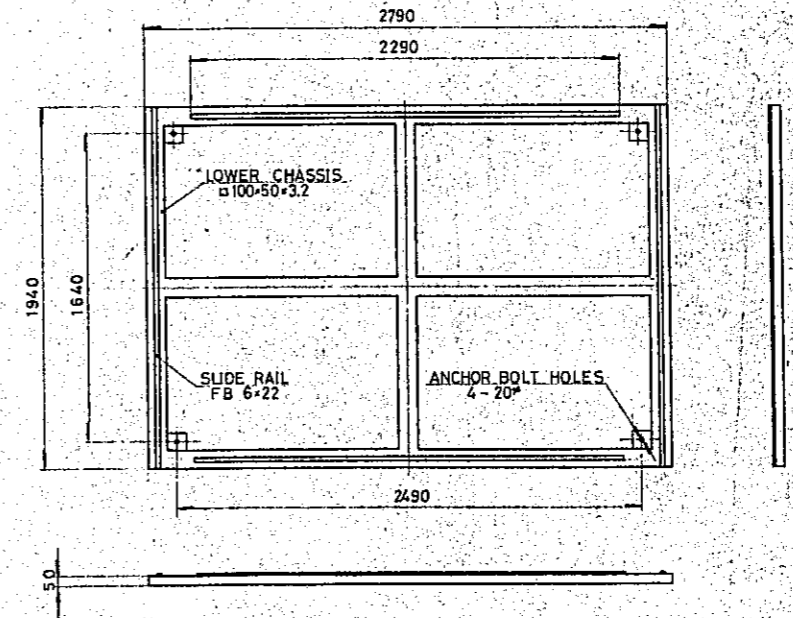
SCALE 1/10

CHILLING UNIT (UWY-40G)  
 Q.S. VIBRATION ABSORBER RA-4040EGS

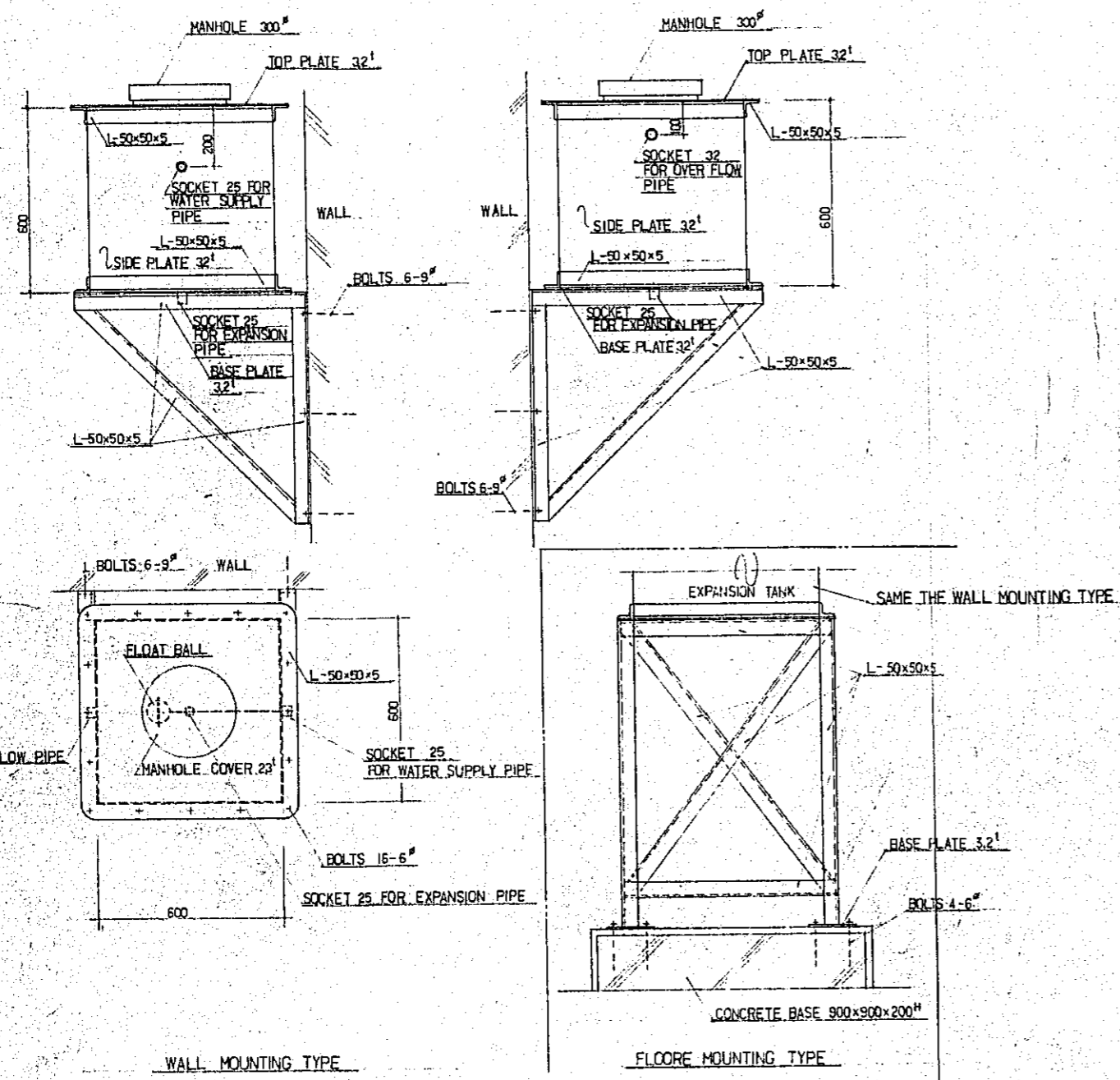
SPECIFICATIONS		
WEIGHT	UPPER CHASSIS	108 Kg
	LOWER CHASSIS	108 Kg
	TOTAL	237 Kg
ISOLATER	SPRING DIAMETER	65 mm
	SUPPORT POINT	14 P
ACCESSORIES: STOPPER		4



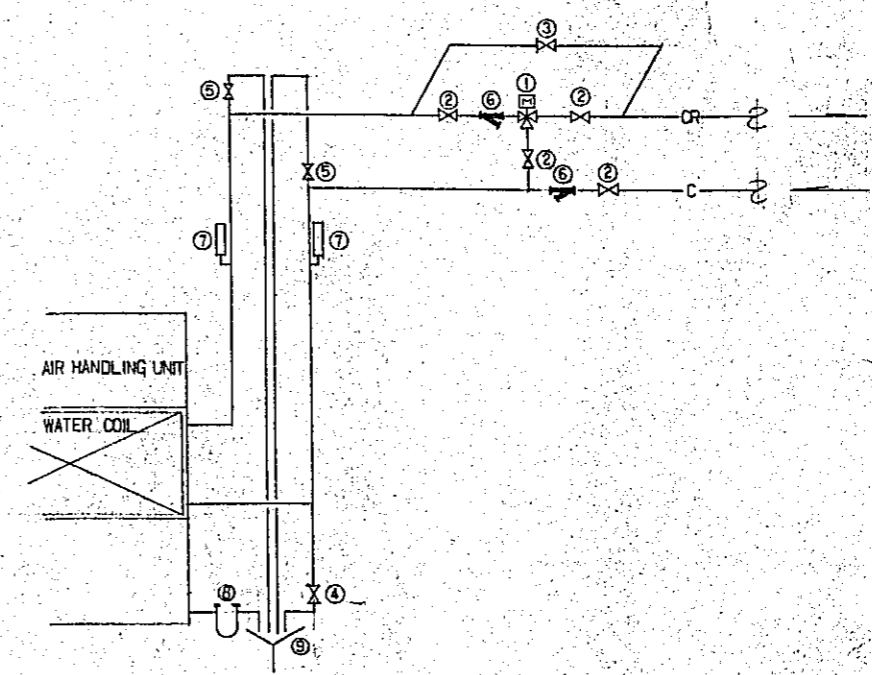
SCALE 1/20



CONSTRUCTION PROJECT		DATE
OF BTV HALL IN DACCA		12/77
TITLE OF DRAWING		SCALE
DETAILS OF VIBRATION ABSORBER NO.3		1/20
		DRG. NO.
		M-45



DETAIL OF EXPANSION TANK 1/10



SYSTEM	3-WAY VALVE (1)	GATE VALVE					Y-STRAL. TEE (6)	THERMO-METER (7)	U-TRAP (8)	DRAIN FUNNEL (9)
		(2)	(3)	(4)	(5)					
AHU FOR AUDIENCE SEAT	65 x 65	75 x 4	75	20	15 x 2	75 x 2	2	40	100 x 40	
AHU FOR LIGHT ROOM	40 x 32	50 x 4	50	20	15 x 2	50 x 2	2	32	100 x 40	
AHU FOR PROJECTION	25 x 20	32 x 4	32	20	15 x 2	32 x 2	2	32	100 x 40	
AHU FOR ENTRANCE	50 x 50	65 x 4	65	20	15 x 2	65 x 2	2	32	100 x 60	
AHU FOR CANTEEN	25 x 25	40 x 4	40	20	15 x 2	40 x 2	2	32	100 x 40	
AHU FOR STAGE	100 x 100	100 x 4	100	20	15 x 2	100 x 2	2	65	150 x 75	
AHU FOR V.I.P. ROOM	25 x 25	40 x 4	40	20	15 x 2	40 x 2	2	32	100 x 40	
AHU FOR ORCH. PIT	25 x 20	25 x 4	25	20	15 x 2	25 x 2	2	32	100 x 40	
AHU FOR SUB CONTROL	25 x 25	32 x 4	32	20	15 x 2	32 x 2	2	32	100 x 40	

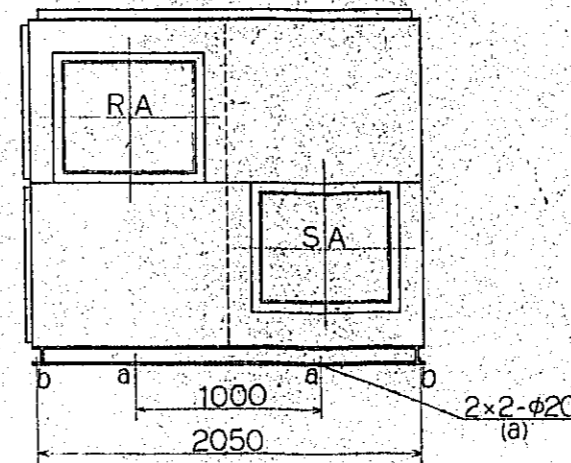
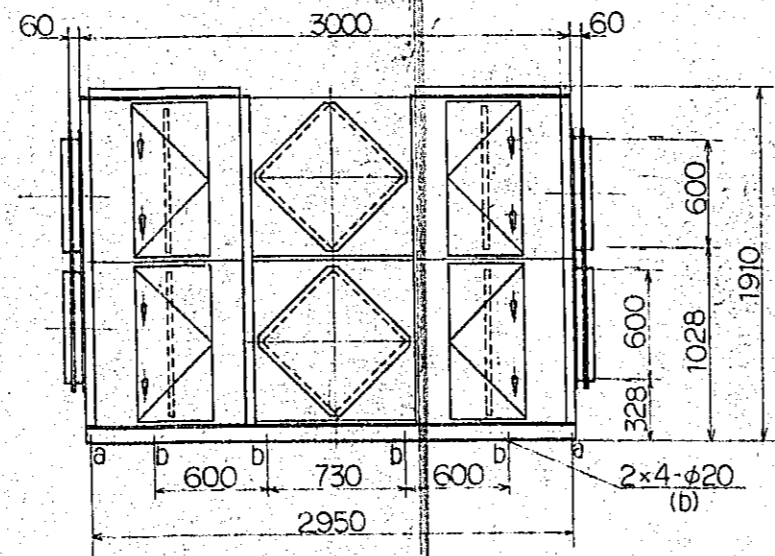
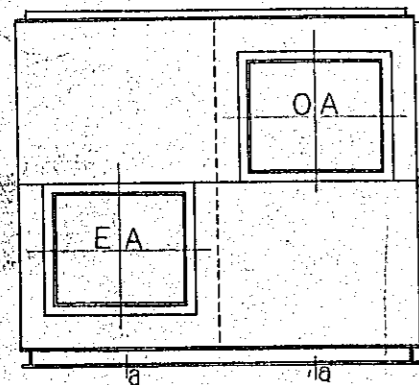
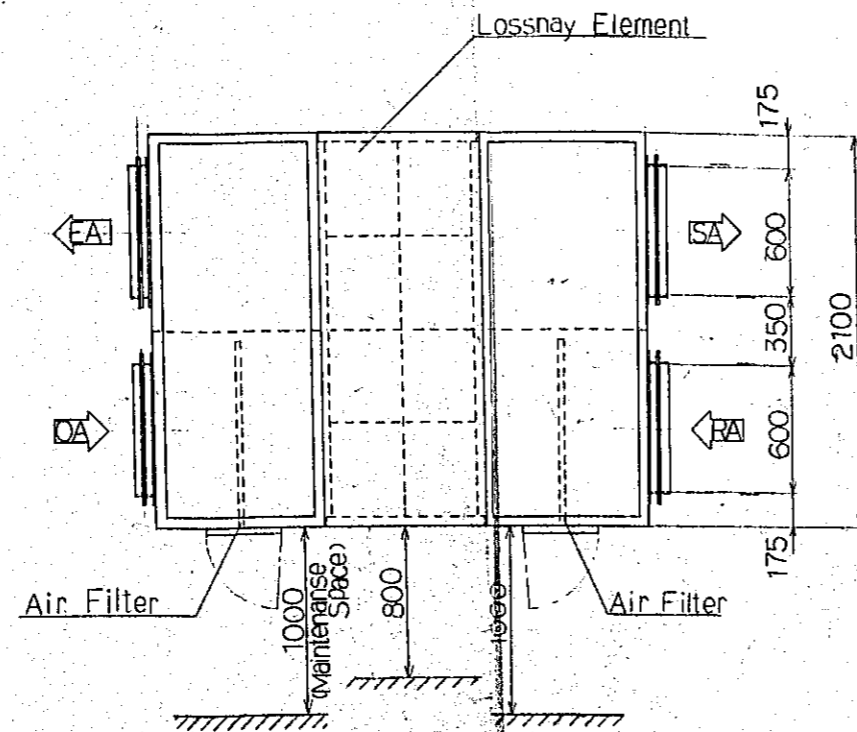
DETAIL OF PIPING DIAGRAM FOR AIR HANDLING UNIT

CONSTRUCTION PROJECT		DATE 12/77
OF BTV HALL IN DACCA		SCALE 1/10
DETAILS OF EXPANSION TANK & PIPING DIAGRAM FOR A.H.U.		NO. M-46

SPECIFICATIONS.

(TYPE LUC-502)

1. Air Volume. OA 8400 m<sup>3</sup>/Hr Ps 35 mmAq  
RA 9600 m<sup>3</sup>/Hr Ps 40 mmAq
2. Exchange Efficiencies.  
Temperature Eff 79 %  
Enthalpy Eff 69 %
3. Enthalpy Exchanger  
(Lossnay LS-500 × 2 set.)
4. Filter Viledon PS/600N
5. Heat Insulator Urethan Form 10 mm
6. Temperature Range -10°C ~ +40°C
7. Colour Lossnay Unit Munsecl. NO. 7.5BG 6/1.5  
Chamber Unit NO. 5Y 8.5/1
8. Unit Weight 1200 kg
9. Components a. Lossnay Unit  
b. Base Unit  
c. Chamber Unit  
d. Filter Unit



CONSTRUCTION PROJECT		DATE
OF BTV HALL IN DACCA		12/77
TITLE OF DRAWING		SCALE
DETAIL OF ENTHALPY EXCHANGER		1/30
DRG. NO.		M-47

