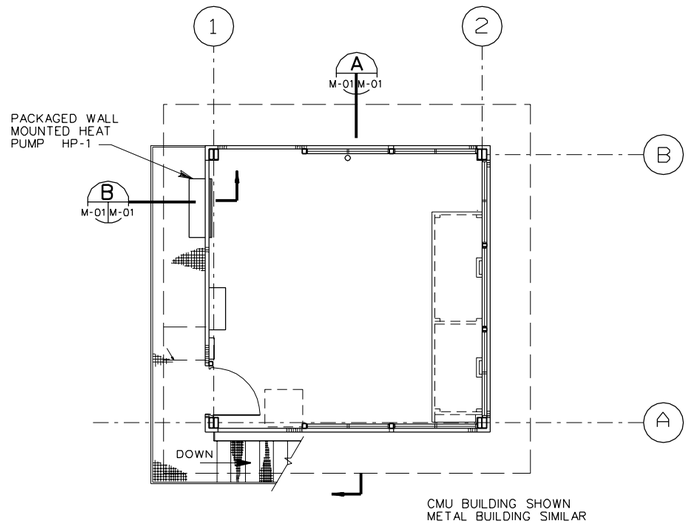
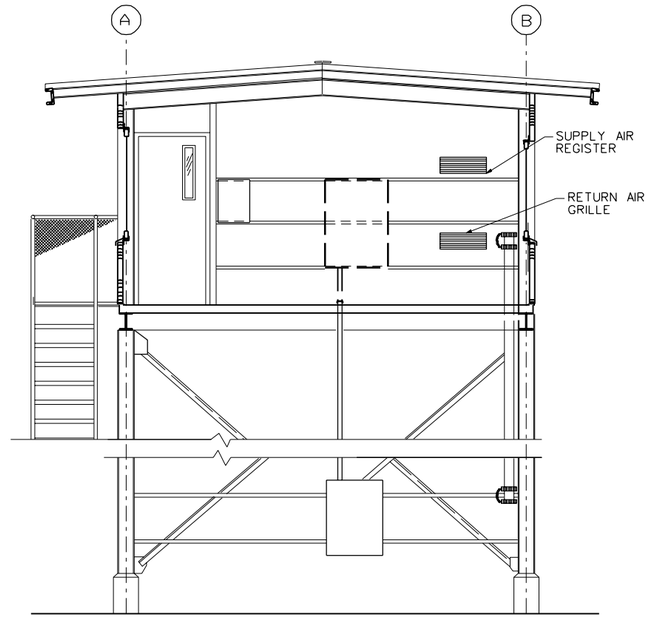
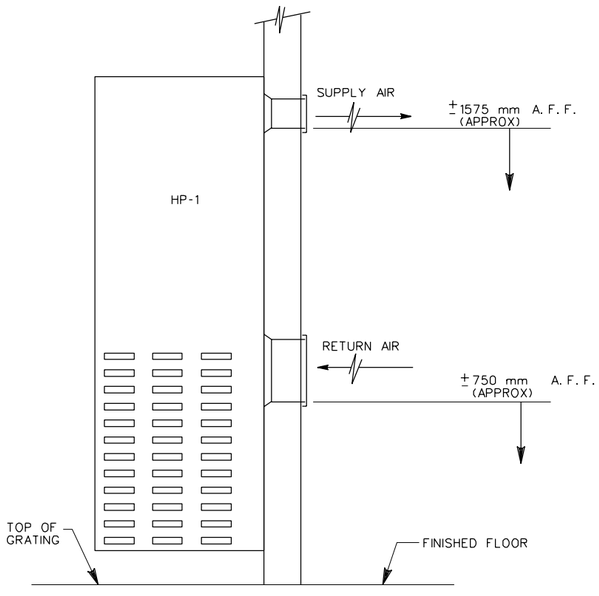


HVAC PLAN
SCALE 1:50



SECTION A M-01 M-01
NOT TO SCALE



SECTION B M-01 M-01
NOT TO SCALE

DESIGN CONDITION SCHEDULE

OUTDOOR			ROOM DESCRIPTION	INDOOR HEATING	INDOOR COOLING		REMARKS
WINTER °C	SUMMER °C			TEMP	TEMP	RH %	
	DB	WB					
			CONTROL TWR				
			CLASSROOM				
			STORAGE				
			OFFICE				

HEAT PUMP SCHEDULE (CONTROL TOWER)

UNIT NO.	COOLING								HEATING		ELECTRICAL			REMARKS	NOTES
	L/s		CAPACITY (W)		O.A.		E.A.T.		TOTAL CAPACITY W @ 5 C	ELECTRIC STRIP (KW)	VOLTS	PHASE	HZ		
	TOTAL	OA	TOTAL	SENSIBLE	DB (C)	WB (C)	DB (C)	WB (C)							
HP-1														WALL MOUNTED HEAT PUMP	1 THRU 9

HEAT PUMP NOTES:

1. 2 POSITION CONTROL VENTILATION, 2 SPEED FAN.
2. FULLY AUTOMATIC CONTROLS FROM HEATING TO COOLING MODE.
3. COIL MAXIMUM FACE VELOCITY IS 2.54 m/s.
4. MOUNTING BRACKETS PROVIDED BY HEAT PUMP MANUFACTURER.
5. FOR WALL PENETRATION SEE ARCHITECTURAL SHEET.
6. DISCONNECT SWITCH PROVIDED BY HEAT PUMP MANUFACTURER.
7. MAXIMUM FILTER FACE VELOCITY IS 1.77 m/s.
8. UNIT PROVIDED WITH 25 mm THICK THROWAWAY FILTER.
9. HEAT PUMP SHALL BE INSTALLED A MINIMUM OF 75 mm A.F.F.

GRAPHIC SCALE
1:50 1000 500 0 1000 2000

US Army Corps of Engineers

Symbol	Description	Date	Approved	Symbol	Description	Date	Approved

Designed by: CWL
Dwn by: CWL
Ckd by: CWL
Reviewed by: NWR
Submitted by: SJP
Date: 01 APR 98
Design file no.
Drawing code: STD 179-71-01
File name: STDM01.DGN
Plot date: 20 MAR 98
Plot scale: FULL
Rev.

U.S. ARMY ENGINEERING AND SUPPORT CENTER, HUNTSVILLE
HUNTSVILLE, ALABAMA

FORCE XXI/FORCE MODERNIZATION PROGRAM
STANDARD DESIGN
CONTROL TOWER

Sheet reference number:
M-01
Sheet of