DESIGN CONDITIONS

OUTSIDE SUMMER: 95°F DB, 80°F WB

OUTSIDE WINTER: 0°F DB

INSIDE SUMMER: BAY SUPPORT AIR CONDITIONED AREA ONLY 78°F DB, @ 50% R.H.

INSIDE WINTER: BAY SUPPORT 65°F DB

ALL OTHER 55°F DB

AIR HANDLING UNIT SCHEDULE

UNIT NO.	LOCATION	UNIT TYPE	FAN CFM COIL	FAN CFM RA	FAN CFM O.A	FAN TOTAL SP IN. H20	FAN ELECTRICAL HP	FAN ELECTRICAL VOLT	FAN ELECTRICAL PH	FAN ELECTRICAL HZ	COOLING COIL ENT AIR DB	COOLING COIL ENT AIR WB	COOLING COIL LVG AIR DB	COOLING COIL LVG AIR WB	COOLING COIL FACE VELOCITY FPM MAX	COOLING COIL PRESS DROP FT.H20	HEATING COIL AIR TEMP F ENT	HEATING COIL AIR TEMP F LVG	HEATING COIL CAPACITY BTU/HR	HEATING COIL GPM	REMARKS
AHU-1	TOOLROOM	HORIZONTAL DRAW THRU	2100	1450	650	2.00	2	480	3	60	83.3	70.9	57.8	56.8	550	1.1	45	85.4	92,050	4.6	

AIR COOLED CONDENSING UNIT

UNIT NO.	LOCATION	CAPACITY BTU/HR	SUCTION TEMP F	COMPRESSOR ELECTRICAL HP	COMPRESSOR ELECTRICAL VOLTS	COMPRESSOR ELECTRICAL PH	COMPRESSOR ELECTRICAL HZ	CONDENSER FAN AMBIENT AIR TEMP F	CONDENSER FAN MAX COND TEMP F	CONDENSER FAN ELECTRICAL HP	CONDENSER FAN ELECTRICAL VOLTS	CONDENSER FAN ELECTRICAL PH	CONDENSER FAN ELECTRICAL HZ	REMARKS
COND-1	OUTSIDE ON GROUND	90,000	37	10	480	3	60	95	115	2	480	1	60	

EXHAUST FAN SCHEDULE

UNIT NO.	LOCATION	SERVICE	TYPE	CFM	TOTAL SP IN. H20	QTY	ELECTRICAL HP	ELECTRICAL VOLT	ELECTRICAL PH	ELECTRICAL HZ	REMARKS
EF-1L-8L	WALL MOUNTED	INSPECTION BAYS	PROP	6000	⅛"	8	1/3	115	1	60	SPARKPROOF FAN BLADES •
EF-1A, 2A	WALL MOUNTED	RESTROOMS	CENT.	325	⅜"	2	1/6	115	1	60	
EF-3A	WALL MOUNTED	MECHANICAL RM	CENT.	1000	¼"	1	1/3	115	1	60	2 SPEED MOTOR
EF-4A	ROOF MOUNTED	BREAKROOM	CENT.	325	⅜"	1	1/6	115	1	60	MANUAL SWITCH

• MOTORS & CONTROLS SHALL BE CLASS I, DIV. 1, GROUP C,D
CLASS II, DIV. 1, GROUP E,F,G

UNIT HEATER SCHEDULE

UNIT NO.	LOCATION	CAPACITY BTUH	WATER GPM	WATER EWT F	WATER LWT F	AIR CFM	AIR EAT F	AIR LAT F	MOTOR HP	MOTOR V	MOTOR PH	MOTOR HZ	REMARKS
UH-1L-10L	INSP BAYS	76,174	4	200	160	1200	55	112	1/6	120	1	60	SPARKPROOF FAN BLADES •
UH-1A	SUPPLY RM	21,875	1	200	160	400	55	102	1/20	120	1	60	
UH-2A	MECH RM	31,900	1.6	200	160	500	50	106	1/20	120	1	60	
UH-3A	CORRIDOR	16,235	0.8	200	160	400	65	102	1/20	120	1	60	
UH-4A	MEN RESTROOMS	6000	0.3	200	160	150	60	96	1/20	120	1	60	
UH-5A	WOMEN RESTROOMS	6000	0.3	200	160	150	60	96	1/20	120	1	60	

• MOTORS & CONTROLS SHALL BE CLASS I, DIV. 1, GROUP C,D
CLASS II, DIV. 1, GROUP E,F,G

BOILER SCHEDULE

BOILER NO.	BOILER OUTPUT BTUH	WATER OUTLET TEMP F	WATER GPM	REMARKS
B-1	935,000	200	47	OIL OR GAS FIRED

COMPRESSOR SCHEDULE

COMPRESSOR NO.	CFM FREE AIR	PRESSURE PSI	NOMINAL HP	REMARKS
CMP-1	75	100	20	RECEIVER MOUNTED AIR COOLED RECEIVER CAP. 120 GAL.

PUMP SCHEDULE

PUMP NO.	GPM	FEET OF HEAD	MOTOR HP	MOTOR VOLT	MOTOR PH	MOTOR HZ	REMARKS
PMP-1	47	25	1	480	3	60	BASE-MOUNTED

Symbol	Description	Date	Approved
	Revisions		

US ARMY ENGINEER DIVISION HUNTSVILLE
CORPS OF ENGINEERS
HUNTSVILLE, ALABAMA

Site adapt A/E :

US Army Corps of Engineers

STANDARD DESIGN
AMMUNITION SURVEILLANCE FACILITY

SCHEDULES

Dwn. by : C L | Ckd. by : R S

Reviewed by : CCW | Date : | Sheet reference number : XM-3 | Design file no. : | Rev.

Approved by : | Drawing code : STD 216-12-01 | Sheet of