

0.0 INCHES

SPLIT SYSTEM AIR CONDITIONING SYSTEM SCHEDULE

UNIT ID	AREA SERVED	LOCATION	SUPPLY FAN				INDOOR UNIT										UNIT ID	OUTDOOR UNIT				BASIS OF DESIGN	NOTES		
			CFM	MIN OA CFM	ESP (IN. WG)	MOTOR (HP)	NOMINAL (TONS)	REFRIG	TOTAL (MBH)	SENSIBLE (MBH)	EAT DB (F)	EAT WB (F)	OPERATING WEIGHT (LBS)	ELEC HEAT KW	ELEC DATA			NO. OF COMPR.	ELEC DATA					OPERATING WEIGHT (LBS)	
															MCA (AMPS)	MOCP (AMPS)			VOLTS/PH	MCA (AMPS)	MOCP (AMPS)				VOLTS/PH
FCU-1	ELEC ROOM	EQUIP ROOM	1950	100	0.5	2	6	410A	66.7	49.0	76	64	360	5	11	15	460/3	CU-1	2	15	20	460/3	360	TRANE TWE/TTA	

- NOTES:
1. PROVIDE SNOW STAND FOR CONDENSING UNIT.
 2. FILTERS SHALL BE 1" THROWAWAY TYPE, MERV 8.
 3. COOLING CAPACITIES BASED ON SCHEDULED AIRFLOWS, SCHEDULED ENTERING AIR CONDITIONS, AND AMBIENT TEMPERATURE OF 92.2°F db/ 72.7°F wb.
 4. REFRIGERANT FOR ALL SYSTEMS IS R-410a.

AIR DEVICE SCHEDULE

UNIT ID	SERVICE	MOUNTING	NECK SIZE (IN)	FACE SIZE (IN)	CFM RANGE	MAX. APD (IN. WG)	MAX. NC	BASIS OF DESIGN	NOTES
SG-1	SUPPLY GRILLE	WALL	18x10	20x12	450-600	0.01	15	TITUS 300RL	
SG-2	SUPPLY GRILLE	SURFACE	18x6	20x8	300-450	0.01	15	TITUS 300RL	
SG-3	SUPPLY GRILLE	SURFACE	38x38	40x40	2600-6500	0.09	35	TITUS 300RL	
RG-1	RETURN GRILLE	WALL	28x28	30x30	520-2400	0.02	<20	TITUS 350RL	
RG-2	RETURN GRILLE	WALL	30x48	32x50	960-6500	0.02	33	TITUS 350RL	

FAN SCHEDULE

UNIT ID	TYPE	SERVICE	LOCATION	MIN. CFM	MAX. CFM	ESP (IN. WG)	FAN RPM	DRIVE TYPE	METHOD OF CONTROL	ELECTRICAL DATA		BASIS OF DESIGN	NOTES
										HP	VOLTS/PH		
EF-1	INLINE	EXHAUST	EQUIP RM	6,500	13,000	0.7	1725/860	BELT	TSTAT	5	460/3	GREENHECK BSQ-300-50	TWO SPEED MOTOR
SF-1	INLINE	SUPPLY	EQUIP RM	6,500	13,000	0.7	1725/860	BELT	TSTAT	5	460/3	GREENHECK BSQ-300-50	TWO SPEED MOTOR
SF-2	INLINE	SUPPLY	PUMP RM	-	400	0.3	1725	DIRECT	TSTAT	0.06	120/1	GREENHECK SQ-80-VG	

UNIT HEATER SCHEDULE

UNIT ID	LOCATION	MOUNTING	HEAT SOURCE	CAPACITY (KW)	AIR FLOW			ELECTRICAL DATA			BASIS OF DESIGN	NOTES
					CFM	EAT (F)	LAT (F)	MCA	MOCP	VOLTS/PH		
EUH-1	PUMP ROOM	WALL BRACKET	ELECTRIC	5	400	55	81	6.1	15	480/3	TRANE UHEC	
EUH-2	PUMP ROOM	WALL BRACKET	ELECTRIC	5	400	55	81	6.1	15	480/3	TRANE UHEC	

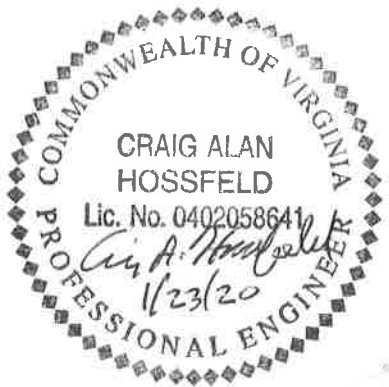
ELECTRIC DUCT HEATER SCHEDULE

UNIT ID	MOUNTING	CAPACITY (KW)	DUCT SIZE (WXH)	AIRFLOW (CFM)	EAT (F)	LAT (F)	ELECTRICAL DATA		Notes	BASIS OF DESIGN	NOTES
							KW	VOLTS/PH			
EDH-1	SLIP IN	3	12X8	400	35	55	3	480/3	1,2	INDEECO TFXU	

- NOTES:
1. PROVIDE MANUFACTURER'S RECOMMENDED LENGTH OF STRAIGHT DUCT UPSTREAM AND DOWNSTREAM OF THE DUCT HEATER.
 2. PROVIDE FINNED TUBULAR HEATING ELEMENT.
 3. PROVIDE COIL WITHIN SHEATH PER MANUFACTURER.
 4. PROVIDE UNIT HEATER WITH SCR CONTROL.

DESIGN CONDITIONS SCHEDULE

ROOM DESCRIPTION	OUTSIDE DESIGN CONDITIONS				INSIDE DESIGN CONDITIONS			
	SUMMER		WINTER		SUMMER		WINTER	
	DB (F)	WB (F)	DB (F)	WB(F)	DB (F)	% RH	DB (F)	% RH
PUMP ROOM	92	73	14	10	AMBIENT	-	55	-
ELECTRICAL ROOM	92	73	14	10	75	50	55	-



WESTERN VIRGINIA WATER AUTHORITY
601 South Jefferson Street, Suite 300
Roanoke, Virginia 24011

DES: NAE	SCALE: NOT TO SCALE
DRAWN: NAE	HORIZ: N/A
CHECK: CAH	VERT: N/A
DATE: 1/24/20	

CRYSTAL SPRING
PUMP STATION RELOCATION

HVAC SCHEDULES

DRAWING
HV7.01

SHEET
50