PACKAGE AIR CONDITIONING UNIT SCHEDULE

	DESIGNATION	HC 1A & HC 1B	HC 2			
	NAMEPLATE AMPS	24.7	30.7			
	VOLTS/PHASE	208-230 / 3	208-230 / 3			
	SEER AT ARI	8.5 EER	8.5 EER			
BLOWER	CFM	1600	2000			
	DUCT SP (IN WC)	.5	.5			
	MIN OSA (CFM)	200	200			
	HP/SPEED	1 / 3	1 / 3			
	DRIVE	DIRECT	DIRECT			
	MAX FUSE SIZE	35	50			
COOLING	SENSIBLE (MBH)	38.9	48.5			
	TOTAL (MBH)	43.6	53.4			
	EADB/EAWB (°F)	80 / 64	80 / 64			
	AMB AIR (°F)	105	105			
HEATING	INPUT (MBH)	80.0	100.0			
	OUTPUT (MBH)	60.0	75.0			
	FUEL	NATURAL GAS	NATURAL GAS			
FILTERS	QUANTITY/SIZE	2) 20×16×2	2) 20×16×2			
	TYPE	FARR 30/30	FARR 30/30			
	PD (IN WC)	0.2	0.2			
	MANUFACTURER	PAYNE	PAYNE			
	TYPE	GAS/ELECTRIC	GAS/ELECTRIC			
	MODEL NUMBER	535JP048080	535JP060100			
	LOCATION	ARTS & CRAFTS	ARTS & CRAFTS			
	OPER WT (LBS)	700	700			
	ACCESSORIES	FILTER BOX	FILTER BOX			

EXHAUST FAN SCHEDULE

DESIGNATION	EF 1
CFM	200
ESP (IN WC)	.125
HP/WATTS	- / 105
VOLTS/PHASE	115 / 1
RPM	1050
TIP SPEEDS/SONES	- / 23
DRIVE	DIRECT
MOUNTING	CEILING
MANUFACTURER	PENN
TYPE	ZEPHYR
MODEL NUMBER	Z-8
CONTROL	INTERLOCK W/LIGHTS
LOCATION	STAFF 105
OPER WT (LBS)	22
ACCESSORIES	BDD SPEED CONTROL

GRILLE SCHEDULE

MARK	DUTY	DESCRIPTION
A	CEILING SUPPLY	TITUS TDC-3 LOUVER FACE SQUARE OR RECTANGULAR NECK DIFFUSER FOR STD. LAY-IN CEILING, WITH O.B.D., FLAT BLACK INTERIOR, AND NO. 25 OFF-WHITE FINISH.
B	CEILING RETURN OR EXHAUST	TITUS PAR (TYPE F3) PERFORATED FACE SQUARE OR RECTANGULAR NECK REGISTER FOR STD LAY-IN CEILING, WITH O.B.D., FLAT BLACK INTERIOR AND NO. 25 OFF-WHITE FINISH.
C	WALL RETURN	TITUS CORE 25-RL5 STEEL RETURN REGISTER, WITH O.B.D. AND NO. 25 OFF-WHITE FINISH.
D	RELIEF GRILLE	TITUS CORE 23-RL STEEL GRILLE, NO. 25 OFF-WHITE FINISH.
E	LOUVER	SHOP FABRICATED OF 20 GA. GALVANIZED SHEET METAL WITH 1/2" MESH SCREEN ON INSIDE FACE, 50% FREE AREA, PRIME FOR PAINT.

HEAT EXCHANGER SCHEDULE

	DESIGNATION	HX 1
SOURCE	GPM (BRINE)	203
	EBT/LBT (°F)	40 / 49.8
	PD (FT WATER)	3.5
	CAPACITY (MBH)	900
LOAD	GPM (WATER)	180
	EWT/LWT (°F)	54 / 44
	PD (FT WATER)	2.5
	NUMBER OF PLATES	169
	TYPE	PLATE & FRAME
	MANUFACTURER	BELL & GOSSETT
	MODEL NUMBER	GPX-258
	LOCATION	CHILLER YARD
	OPER WT (LBS)	1400
	ACCESSORIES	SEE SPECS.

BOILER STACK ECONOMIZER SCHEDULE

DESIGNATION	BSE 1
NAME PLATE AMPS	①
VOLTS/PHASE	①
PUMP HP	①
BTU RATING (MBH)	98.2
BOILER GAS SAVINGS (MBH)	127.5
GPM/PD (FT)	24/2.4
EWT/LWT (°F)	120 / 188.1
TR (°F)	8.1
FLUE DIA/EXIT TEMP	10" / 225
MANUFACTURER	THERMA STAK
TYPE	STYLE-B
MODEL NUMBER	MARK-IIB
LOCATION	BOILER ROOM
OPER WT (LBS)	170
ACCESSORIES	①

① : PROVIDE BOILER STACK ECONOMIZER PUMP. SEE PUMP - P5.

BOILER SCHEDULE

DESIGNATION	B 1
NAME PLATE AMPS	—
VOLTS/PHASE	120/1
INPUT (MBH)	1,375.0
OUTPUT (MBH)	1,100.0
GPM/P D (FT)	55/3
EWT/LWT (°F)	130 / 170
FUEL	NATURAL GAS
MANUFACTURER	ATAX
TYPE	WATER TUBE
MODEL NUMBER	WG-1375
LOCATION	BOILER ROOM
OPER WT (LBS)	2,910
ACCESSORIES	SEE SPECS.

BRINE CHILLER SCHEDULE

	DESIGNATION	BC 1	
	MODE	ICE MAKING	CHILLER
	CAPACITY (TONS)	47.8	58.0
	UNIT FLA	128	
	VOLTS/PHASE	460 / 3	
	EER	9.5	10.3
	MAX FUSE	150	
COMP MOTOR	QUANTITY	2	
	RLA (EACH)	56	
	OPER KW (UNIT)	60.4	71.5
CHILLER	GPM/PD (FT)	203 / 22.4	
	EBT/LBT (°F)	32 / 26	47.3 / 40
	SCALE FACTOR	.0005	
	AMBIENT AIR (°F)	85	95
	MANUFACTURER	McQUAY	
	TYPE	AIR COOLED	
	MODEL	ALR 065C	
	OPER WT (LBS)	5550	
	ACCESSORIES	SEE SPECS.	

UNIT VENTILATOR SCHEDULE

	DESIGNATION	UV 1
BLOWER	CFM	1500
	MIN OSA (CFM)	200
	AMPS / HP	4.1 / 1/6
	VOLTS/PHASE	115 / 1
COOLING COIL	TYPE	-
	SENSIBLE (MBH)	41.1
	TOTAL (MBH)	47.1
	EADB/EAWB (°F)	80 / 64
	GPM/P D (FT)	12 / 13.2
	EWT (°F)	45
	PIPE SIZE	1"
	VALVE TYPE	2-WAY *
HEATING COIL	TYPE	--
	HEATING CAP (MBH)	47.0
	EADB (°F)	64
	GPM/P D (FT)	12 / 13.2
	EWT (°F)	120
	PIPE SIZE	1"
	VALVE TYPE	2-WAY *
FILTER	QUANTITY/SIZE	2) 7 5/12 × 9 × 1"
	TYPE	DISPOSABLE
	MANUFACTURER	MSI
	MODEL NO.	7B051500
	OPER. WT (LBS)	
	ACCESSORIES	SEE SPECS.

* 3-WAY ON END UNIT OF EACH WING.

ICE STORAGE TANK SCHEDULE

DESIGNATION	IT 1A - IT 1D
AVAIL STORAGE (TON-HR) @ 40° LBT DESIGN COND	133
FLOW RATE (GPM)	50.8
HEAD (FT WG.)	15.0
AVG LOAD DRAW (TONS)	13.9
PEAK LOAD DRAW (TONS)	18.8
TIME OF DRAW (HRS)	8
CHARGE RATE (TONS)	12.0
CHARGE TIME (HRS)	11
PIPE CONNECTION (IN.)	2 1/2
MANUFACTURER	CALMAC
MODEL	1190
WT FILLED (LBS)	16,750
ACCESSORIES	SEE SPECS.

PUMP SCHEDULE

DESIGNATION	P 1	P 2	P 3A - P 3B	P 4	P 5
HP	1	2	3	7 1/2	1/6
VOLTS/PHASE	460 / 3	•	•	•	115/1
RPM	1750	•	•	•	3,250
GPM/TDH (FT)	55 / 22	180 / 25	120 / 44	203 / 71	24 / 14
EFFICIENCY (%)	56	67	67	70	—
MANUFACTURER	BELL & GOSSETT	•	•	•	GRUNDFOS
TYPE	IN-LINE	IN-LINE	BASE MOUNTED	IN-LINE	—
MODEL NUMBER	SERIES 60 2AA	SERIES 80 3×3×7B	SERIES 1531 2/2AB	SERIES 80 3×3×9 1/2 E	UP 43-75
LOCATION	BOILER ROOM	CHILLER YARD	BOILER ROOM	CHILLER YARD	BOILER STACK ECONOMIZER
OPER WT (LBS)	78	180	160	300	15
ACCESSORIES	SEE SPECS.		SUCTION DIFFUSER	FACTORY BASE	—

approved

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SCHEDULES

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