



MARK	DUTY	DESCRIPTION
A	CEILING SUPPLY	TITUS P45 TYPE P31 PERFORATED FACE RECTANGULAR NECK DIFFUSER FOR STD. LOW-IN-CELLING, WITH O.B.D., FLAT BLACK INTERIOR, AND NO. 25 OFF-WHITE FINISH.
B	CEILING RETURN OR EXHAUST	TITUS P45 TYPE P31 PERFORATED FACE SQUARE OR RECTANGULAR NECK RESISTOR FOR STD LOW-IN-CELLING, WITH O.B.D., FLAT BLACK INTERIOR AND NO. 25 OFF-WHITE FINISH.
C	RELIEF GRILLE	TITUS CORE 23-RL STEEL GRILLE, NO. 25 OFF-WHITE FINISH.
D	DOOR	RIBSKIN LIGHT 20 GAGE GALVANIZED SHEET METAL DOOR WITH 1/2" FRESH SOFTEN ON INSIDE FACE. WHITE FOR PAINT.
E	CEILING SUPPLY	TITUS P45 (TYPE P31) PERFORATED FACE RECTANGULAR NECK DIFFUSER FOR SQUARE CEILING, WITH O.B.D. FLAT BLACK INTERIOR, AND NO. 25 OFF-WHITE FINISH.

\* SCHEDULED CONDITIONS ARE FOR PARALLEL OPERATION. PUMPS MUST OPERATE TO BE STABLE & NON-INTERFERING AT SINGLE PUMP OPERATION.

DESIGNATION	HP	HP	HP	HP
EXHAUST FAN SCHEDULE	1	2	3	4
HP	9/4	2	7/2	10
VOLTS/PHASE	460/3	460/3	460/3	460/3
BRN	1750	1750	1750	1750
GRN/BLN (FT)	45/22	167/30	102/91*	253/77
EFFICIENCY (%)	52%	70%	62%	73%
MANUFACTURER	B.F.G.	B.F.G.	B.F.G.	B.F.G.
TYPE	IN LINE	IN LINE	BASE MOUNTED	IN LINE
MODEL NUMBER	SERIES 80 214	SERIES 80 214	SERIES 80 214	SERIES 80 214
LOCATION	BOILER ROOM	CHILLER YARD	BOILER ROOM	CHILLER YARD
OPER WT (LBS)	71	190	230	330
ACCESSORIES		SECTION DIFFUSER		

DESIGNATION	HP	HP	HP
BOILER STACK ECONOMIZER SCHEDULE	1	2	3
NAME PLATE AMPS	1/5	-	-
VOLTS/PHASE	1/5	-	-
TYPE	90	655	86
BRN	90	655	86
GRN/BLN (FT)	24/24	24/24	24/24
ENT/LMT (°F)	120/127.5	120/127.5	120/127.5
FLUE DIA (IN)	4	4	4
MANUFACTURER	THEYMASTAK	THEYMASTAK	THEYMASTAK
MODEL NUMBER	TS-01M28	TS-01M28	TS-01M28
LOCATION	BOILER ROOM	BOILER ROOM	BOILER ROOM
OPER WT (LBS)			
ACCESSORIES	BAKERSFIELD PUMPER	BAKERSFIELD PUMPER	BAKERSFIELD PUMPER

DESIGNATION	HP	HP	HP
FINANCE SCHEDULE	1	2	3
CFM	1000	1000	1000
E.S.P. (IN WC)	.3	.3	.3
HP/AMPS	1/5	1/5	1/5
VOLTS/PHASE	1/5	1/5	1/5
RPM	930	930	930
DRIVE	DIRECT	DIRECT	DIRECT
INPUT (MMH)	75.0	75.0	75.0
OUTPUT (MMH)	60.0	60.0	60.0
FUEL	NATURAL GAS	NATURAL GAS	NATURAL GAS
HEATING			
QUANTITY/SIZE	2/20" x 20" x 2"	2/20" x 20" x 2"	2/20" x 20" x 2"
TYPE	FAIR	FAIR	FAIR
P.D. (IN WC)	0.2	0.2	0.2
MANUFACTURER	REYNOLDS	REYNOLDS	REYNOLDS
MODEL NUMBER	OUTDOOR	OUTDOOR	OUTDOOR
LOCATION	TOILET ROOMS	TOILET ROOMS	TOILET ROOMS
OPER WT (LBS)	108	108	108
ACCESSORIES			

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DESIGNATION	HP	HP	HP	HP
PACKAGE AIR CONDITIONING UNIT SCHEDULE	1	2	3	4
UNREPLATE AMPS	13.4	18.0	22.4	27.0
VOLTS/PHASE	208-230/1	208-230/3	208-230/3	400/3
SEER RATIO	9.2	9.05	9.2	8.0 SEER
CFM	600	1200	1600	2000
DOIT SP (IN WC)	.3	.4	.4	1.0
MIN OSA (CFM)	1/3	1/2	3/4	7/8
HP/SPEED	1/3	1/2	3/4	7/8
DRIVE	DIRECT	DIRECT	DIRECT	BELT
MAX FUSE SIZE	25	25	35	30
SENSIBLE (MMH)	18.5	30.0	41.6	193.2
TOTAL (MMH)	21.5	35.2	44.0	219.4
FEAR/LEAK (°F)	80/64	80/64	80/64	80/64
RMG AIR (°F)	105	105	105	105
INPUT (MMH)	40	50	75	205.0
OUTPUT (MMH)	30	42	62	200.6
FUEL	NATURAL GAS	NATURAL GAS	NATURAL GAS	NATURAL GAS
QUANTITY/SIZE	1/17" x 24" x 1"	2/12" x 24" x 1"	3/12" x 24" x 1"	4/12" x 24" x 1"
TYPE	FAIR	FAIR	FAIR	FAIR
PD (IN WC)	0.2	0.3	0.3	0.3
MANUFACTURER	YORK	YORK	YORK	YORK
TYPE	GAS/ELECTRIC	GAS/ELECTRIC	GAS/ELECTRIC	GAS/ELECTRIC
MODEL NUMBER	DYS-024M	DZC-035M	DZC-035M	DZC-035M
LOCATION	CONFERENCE ROOM	FACTORY DRIVING	LIBRARY	BUILDING 100
OPER WT (LBS)	400	400	650	2650
ACCESSORIES	3/8" COPPER PIPING	G.S.A. WENT	G.S.A. WENT	G.S.A. WENT

DESIGNATION	HP	HP	HP
UNIT VENTILATION SCHEDULE	1	2	3
CFM	750	1500	1500
MIN OSA (CFM)	1/50	200	200
AMPS	2.4	2.3	2.3
VOLTS/PHASE	1/5	1/5	1/5
H/P	1/3	1/3	1/3
SENSIBLE	18.1	42.5	44.9
TOTAL (MMH)	20.3	44.9	44.9
EAUD/EAUD (°F)	80/64	80/64	80/64
GNP/P D (FT)	4/	10/	10/
ENT (°F)	45	45	45
PIPE SIZE	1"	1 1/4"	1 1/4"
VALVE TYPE	2-WAY *	2-WAY *	2-WAY *
HEATING COIL			
EAUD (°F)	64	64	64
GNP/P D (FT)	4/	10/	10/
ENT (°F)	120	120	120
PIPE SIZE	1"	1 1/4"	1 1/4"
VALVE TYPE	2-WAY *	2-WAY *	2-WAY *
HEATING CAP (MMH)			
EAUD (°F)	64	64	64
GNP/P D (FT)	4/	10/	10/
ENT (°F)	120	120	120
PIPE SIZE	1"	1 1/4"	1 1/4"
VALVE TYPE	2-WAY *	2-WAY *	2-WAY *
QUANTITY/SIZE	1/10" x 36 1/2"	2/10" x 36 1/2"	3/10" x 36 1/2"
TYPE	RECYCLABLE MEDIA	RECYCLABLE MEDIA	RECYCLABLE MEDIA
PD (IN WATER)	3.0	3.0	3.0
MANUFACTURER	AAE	AAE	AAE
MODEL NO	AV-3000	AV-3000	AV-3000
OPER WT (LBS)	340	580	580
ACCESSORIES	SEE SPECS. 1, 2	SEE SPECS. 1, 2	SEE SPECS. 1, 2

DESIGNATION	HP	HP	HP
ICE STORAGE TANK SCHEDULE	1	2	3
AVAIL STORAGE (TON-HR)	13/1	13/1	13/1
6" 40" LBT DESIGN COND			
FLOW RATE (GPM)	63	63	63
HEAD (FT WC)	20.3	20.3	20.3
AVG LOAD DRAW (TONS)	14.4	14.4	14.4
PEAK LOAD DRAW (TONS)	17.5	17.5	17.5
TIME OF DRAW (HRS)	5	5	5
CHARGE RATE (TONS)	14.9	14.9	14.9
CHARGE TIME (HRS)	3.8	3.8	3.8
PIPE CONNECTION	2 1/2"	2 1/2"	2 1/2"
MANUFACTURER	CALMAC	CALMAC	CALMAC
MODEL	1190	1190	1190
WT FILLED (LBS)	16,750	16,750	16,750
ACCESSORIES	SEE SPECS	SEE SPECS	SEE SPECS

DESIGNATION	HP	HP	HP
BOILER CHILLER SCHEDULE	1	2	3
NAME PLATE AMPS	1/5	1/5	1/5
VOLTS/PHASE	1/5	1/5	1/5
HP/AMPS	1/5	1/5	1/5
GRN/BLN (FT)	45/17	45/17	45/17
EFFICIENCY (%)	52%	70%	62%
MANUFACTURER	NATURAL GAS	NATURAL GAS	NATURAL GAS
TYPE	AJAX	AJAX	AJAX
MODEL NUMBER	WATER TUBE	WATER TUBE	WATER TUBE
LOCATION	NEW BOILER ROOM	NEW BOILER ROOM	NEW BOILER ROOM
OPER WT (LBS)	2500	2500	2500
ACCESSORIES	SEE SPECS	SEE SPECS	SEE SPECS

DESIGNATION	HP	HP	HP
BRENE CHILLER SCHEDULE	1	2	3
ICE MAKING	57.7	132	132
CHILLER	460/3	460/3	460/3
UNIT FLA	3.4	8.7	8.7
VOLTS/PHASE	3.4	8.7	8.7
EFF @ DESIGN COND	250	250	250
MAX FUSE	2	2	2
QUANTITY	2	2	2
R.A. (EACH)	63	63	63
COMP MOTOR	85.2	100.2	100.2
OPER WT (UNIT)			
GNP/PD (FT)	253/13.2	253/13.2	253/13.2
ENT/LMT (°F)	32/26	32/26	32/26
SCALE FACTOR	.0005	.0005	.0005
CHILL			
INHERENT AIR (°F)	95	105	105
MANUFACTURER	M-SQUAY	M-SQUAY	M-SQUAY
TYPE	AIR COOLED	AIR COOLED	AIR COOLED
MODEL	ALR 035C	ALR 035C	ALR 035C
OPER WT (LBS)	600	600	600
ACCESSORIES	SEE SPECS	SEE SPECS	SEE SPECS

DESIGNATION	HP	HP	HP
HEAT EXCHANGER SCHEDULE	1	2	3
CFM	252	40/47	11.3
BR/LBT (°F)	40/47	11.3	11.3
PD (FT WATER)	11.3	11.3	11.3
CAPACITY (MMH)	83G	83G	83G
GNP (WATER)	167	167	167
ENT/LMT (°F)	54/44	54/44	54/44
PD (FT WATER)	4.3	4.3	4.3
NUMBER OF PLATES	140	140	140
HEAT TRANS AREA (FT <sup>2</sup> )	2971	2971	2971
TYPE	PLATE EXCHANGER	PLATE EXCHANGER	PLATE EXCHANGER
MANUFACTURER	TRANTER	TRANTER	TRANTER
MODEL NUMBER	UX-195	UX-195	UX-195
LOCATION	CHILLER YARD	CHILLER YARD	CHILLER YARD
OPER WT (LBS)	1150	1150	1150
ACCESSORIES	SEE SPECS	SEE SPECS	SEE SPECS

**ROSEVELT SCHOOL MODERNIZATION**
  
 FOR
   
**BAKERSFIELD CITY SCHOOL DISTRICT**

**DR. QAKW**

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C-3132    C-1554    C-8021    C-8702

**SCHEDULES**

**4.02**

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 date \_\_\_\_\_  
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