

PUMP SCHEDULE

CODE	MANUFACTURER / MODEL NO.	SERVICE	LOCATION	TYPE	QAL (GPM)	HEAD (FT)	HP	WATER	REMARKS
CHW-1	VAUD F 351	CHILLED WATER	3RD GELUM MCH ROOM	END-SECTION	75	115	10	5	208
CHW-2	VAUD F 351	CHILLED WATER	3RD GELUM MCH ROOM	END-SECTION	75	115	10	5	208
CHW-3	VAUD F 351	CHILLED WATER	3RD GELUM MCH ROOM	END-SECTION	75	115	10	5	208
CHW-4	VAUD F 351	CHILLED WATER	3RD GELUM MCH ROOM	END-SECTION	75	115	10	5	208
CHW-5	VAUD F 351	CHILLED WATER	3RD GELUM MCH ROOM	END-SECTION	75	115	10	5	208
HW-1	VAUD F 151	HOT WATER	3RD GELUM MCH ROOM	END-SECTION	130	110	10	7.5	238
HW-2	VAUD F 151	HOT WATER	3RD GELUM MCH ROOM	END-SECTION	130	110	10	7.5	238
HW-3	VAUD F 151	HOT WATER	3RD GELUM MCH ROOM	END-SECTION	130	110	10	7.5	238
HW-4	VAUD F 151	HOT WATER	3RD GELUM MCH ROOM	END-SECTION	130	110	10	7.5	238
HW-5	VAUD F 151	HOT WATER	3RD GELUM MCH ROOM	END-SECTION	130	110	10	7.5	238

GENERAL NOTES:
 1. PROVIDE HIGH EFFICIENCY MOTORS (RELIEVE E- or EQUIV. CM)
 2. 3 PHASE PAKETED PUMP APPLICATIONS MANUFACTURER SHALL REVIEW SINGLE PUMP OPERATION SUCH THAT PUMP CAN OPERATE
 4. WORK AT SCHEDULED OPERATING POINT SHALL NOT EXCEED 60% OF DESIGN CAPACITY
 5. ALL PUMPS SHALL BE PROVIDED WITH MECHANICAL PROTECTION PRIOR TO OPERATIONS
 6. ALL PUMPS SHALL BE PROVIDED WITH MECHANICAL PROTECTION PRIOR TO OPERATIONS
 7. ALL PUMPS SHALL BE PROVIDED WITH MECHANICAL PROTECTION PRIOR TO OPERATIONS
 8. ALL PUMPS SHALL BE PROVIDED WITH MECHANICAL PROTECTION PRIOR TO OPERATIONS

GENERAL NOTES:
 1. PROVIDE ALL BRONZE CONSTRUCTION (BASE ALUM)
 2. PROVIDE HIGH EFFICIENCY MOTORS (RELIEVE E- or EQUIV. CM)
 3. 3 PHASE PAKETED PUMP APPLICATIONS MANUFACTURER SHALL REVIEW SINGLE PUMP OPERATION SUCH THAT PUMP CAN OPERATE
 4. WORK AT SCHEDULED OPERATING POINT SHALL NOT EXCEED 60% OF DESIGN CAPACITY
 5. ALL PUMPS SHALL BE PROVIDED WITH MECHANICAL PROTECTION PRIOR TO OPERATIONS
 6. ALL PUMPS SHALL BE PROVIDED WITH MECHANICAL PROTECTION PRIOR TO OPERATIONS
 7. ALL PUMPS SHALL BE PROVIDED WITH MECHANICAL PROTECTION PRIOR TO OPERATIONS
 8. ALL PUMPS SHALL BE PROVIDED WITH MECHANICAL PROTECTION PRIOR TO OPERATIONS

GRILLES, REGISTERS & DIFFUSERS

SYMBOL	MANUFACTURER	USE	MODEL NO.	SIZE	ACCESSORIES	FINISH	REMARKS
R01	TTIUS	RETURN AIR	359	10X10 UP TO 350 CFM 12X12 UP TO 500 CFM 14X14 UP TO 700 CFM 16X16 UP TO 850 CFM	PROVIDE MAINTENANCE TYPE TO MATCH CEILING TYPE IN AREA WHERE INSTALLED	WHITE	
R02	TTIUS	RETURN AIR	359ZK	605 UP TO 125 CFM 810 UP TO 225 CFM 1015 UP TO 375 CFM 1220 UP TO 500 CFM	PROVIDE MAINTENANCE TYPE TO MATCH CEILING TYPE IN AREA WHERE INSTALLED	WHITE	
C01	TTIUS	SUPPLY AIR	TTIC	658 UP TO 125 CFM 863 UP TO 250 CFM 1068 UP TO 375 CFM 1273 UP TO 500 CFM	PROVIDE MAINTENANCE TYPE TO MATCH CEILING TYPE IN AREA WHERE INSTALLED	WHITE	
C02	TTIUS	SUPPLY AIR	279PL	868 UP TO 250 CFM 1073 UP TO 375 CFM 1278 UP TO 500 CFM 1483 UP TO 625 CFM	PROVIDE MAINTENANCE TYPE TO MATCH CEILING TYPE IN AREA WHERE INSTALLED	WHITE	
L10	TTIUS	SUPPLY AIR DIFFUSER	MC-38	30X12 UP TO 1250 CFM	PROVIDE MAINTENANCE TYPE TO MATCH CEILING TYPE IN AREA WHERE INSTALLED	WHITE	ENAMEL PAINTED GALVANIZED

CHILLER SCHEDULE (AIR COOLED)

CODE (CH)	MANUFACTURER / MODEL NO.	TOTAL NUMBER OF MODULES	NO. OF MODULES (ACTUAL)	EVAP. CAP. (TONS)	COND. CAP. (TONS)	COND. PRESS. (PSIG)	COND. TEMP. (°F)	COND. TYPE	REMARKS
CH-1	MULTIPLY/AS-30A	4	4	55	45	288	7.8	100	288

GENERAL NOTES:
 1. WATER CONTAINS SOFT PREPARED GYCON.

BOILER SCHEDULE (HYDRONIC)

CODE	MANUFACTURER / MODEL NO.	INPUT (MBTU/HR)	OUTPUT (MBTU/HR)	PSI	REMARKS
B-1	WEL-MET/ALUM-100	1,200	1,200	150	60 PSI RATING
B-2	WEL-MET/ALUM-100	1,200	1,200	150	60 PSI RATING

GENERAL NOTES:
 1. WATER CONTAINS SOFT PREPARED GYCON.
 2. WATER CONTAINS SOFT PREPARED GYCON.
 3. FUEL TYPE = GAS.

HEAT EXCHANGER SCHEDULE

CODE	MANUFACTURER / MODEL NO.	SERVICE	CAPACITY (GPM)	FLUID	TEMP. (°F)	REMARKS
HEX-1	ALFA LOM / SST RATE AND RANGE	COOLING WATER	145	WATER	45	20

REMARK NOTES:
 ALL MATERIALS SHALL BE SUITABLE FOR USE WITH CHEMICAL.

GENERAL NOTES:
 1. CONTRACTOR SHALL REFER TO EXISTING CONDITION (BASE BUILDING) DRAWINGS FOR LOCATION OF EXISTING DUCTS, PIPING, CONDUIT, AND FOR ADDITIONAL INFORMATION.

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 PREVENTION AND RESOURCES

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GENERAL NOTES:
 1. CONTRACTOR SHALL REFER TO EXISTING CONDITION (BASE BUILDING) DRAWINGS FOR LOCATION OF EXISTING DUCTS, PIPING, CONDUIT, AND FOR ADDITIONAL INFORMATION.

NO.	DATE	REVISION / PERSON	BY	CH
1	02/22/07	ISSUED FOR PERMIT/WORK	SO	AK
2	02/22/07	ISSUED FOR PERMIT/WORK	SO	AK
3	05/11/07	ISSUED FOR CONSTRUCTION	SO	AK

MAN NOTE: DRAWING SCALE AS NOTED

PROJECT NUMBER: 02-2167-0100

DRAWING TITLE: MECHANICAL SCHEDULES SH

DRAWING NUMBER: M-108

