2003.1141.0 Oakhurst New Milk Cooler

Appendix:

Addendum:

Electrical Equipment Schedule

Equip. ID Number	Eq. Name	Room	Location	Circuit ID	Connection or Disconnect	Phase	kW	Hp	No. Per Unit	Speed	Equip. Voltage	Wire Key	FLA	Motor Controller	Notes
AC-1	Air Compressor	Stair "A"		PP2	A	3	-	5			460/3/60	Note 4	7.6	Integral w/Equip. Control	1
AU- 1	Air Unit #1	+35F Penthouse	301	via CU-1	A	3	51	7.5	1		460/3/60	A3	11	Panel	5, 6
AU- 2	Air Unit #2	+35F Penthouse	301	via CU-2	A	3	51	7.5	1		460/3/60	A3	11	Panel	5, 6
AU- 3	Air Unit #3	+35F Penthouse	301	via CU-3	A	3	51	7.5	1		460/3/60	A3	11	Panel	5, 6
AU- 4	Air Unit #4	+35F Penthouse	301	via CU-4	A	3	51	7.5	1		460/3/60	A3	11	Panel	5, 6
AU- 5	Air Unit #5	Tank Alcove	107	SEP-C	A	3		0.5	2		460/3/60	Note 4	2	Starter Enclosure Panel	3
AU- 6	Air Unit #6	Tank Alcove	107	SEP-C	A	3		0.5	2		460/3/60	Note 4	2	Starter Enclosure Panel	3
BC-1	Battery Charger	+35F Cooler	106	DP1	L	3	20	-			460/3/60	Note 4	24.0	N/A	11
BC-2	Battery Charger	+35F Cooler	106	DP1	L	3	20	-			460/3/60	Note 4	24.0	N/A	11
BC-3	Battery Charger	+35F Cooler	106	RL1	NEMA 5-20R	1	1.5	-			120/1/60	Note 4	16.0	N/A	11
CU- 1	Cond Unit #1	+35F Penthouse	301	PP2	F	3		35	1		460/3/60	Note 4	53.5	Panel	5, 6
CU- 2	Cond Unit #2	+35F Penthouse	301	PP2	F	3		35	1		460/3/60	Note 4	53.5	Panel	5, 6
CU- 3	Cond Unit #3	+35F Penthouse	301	PP2	F	3		35	1		460/3/60	Note 4	53.5	Panel	5, 6
CU- 4	Cond Unit #4	+35F Penthouse	301	PP2	F	3		35	1		460/3/60	Note 4	53.5	Panel	5, 6
DLH-1	Drain Line Heater	+35F Penthouse	301	RL1	NEMA 5-20R	1	0.6	-			120/1/60	Note 4	5.0	N/A	
DLH-2	Drain Line Heater	+35F Penthouse	301	RL1	NEMA 5-20R	1	0.6	-			120/1/60	Note 4	5.0	N/A	
DLH-3	Drain Line Heater	+35F Penthouse	301	RL1	NEMA 5-20R	1	0.6	-			120/1/60	Note 4	5.0	N/A	
DLH-4	Drain Line Heater	+35F Penthouse	301	RL1	NEMA 5-20R	1	0.6	-			120/1/60	Note 4	5.0	N/A	
DLL-4	Dock Lights & Locks - Door 4	+35F Cooler	106	via VSL-4	Direct	1	0.2				120/1/60	A2	2.0	N/A	2
DLL-5	Dock Lights & Locks - Door 5	+35F Cooler	106	via VSL-2	Direct	1	0.2				120/1/60	A2	2.0	N/A	2
DLL-6	Dock Lights & Locks - Door 6	+35F Cooler	106	via VSL-3	Direct	1	0.2				120/1/60	A2	2.0	N/A	2
DLL-7	Dock Lights & Locks - Door 7	+35F Cooler	106	via VSL-4	Direct	1	0.2				120/1/60	A2	2.0	N/A	2
DLL-8	Dock Lights & Locks - Door 8	+35F Cooler	106	via VSL-5	Direct	1	0.2				120/1/60	A2	2.0	N/A	2
DO-101	Door Operator - 101	Receiving Bay	101	PP2	K	3		1			460/3/60	Note 4	1.8	Panel	
DO-102	Door Operator - 102	Receiving Bay	101	PP2	K	3		1			460/3/60	Note 4	1.8	Panel	
DP-1	Deam Control Panel (SEP-B1)	Conveyor Mezzanine	201	DP1	X	3					460/3/60	Note 4	45.0	Supplier's Control Panel	10
DP-2	Deam Control Panel (SEP-B2)	Conveyor Mezzanine	201	DP1	X	3					460/3/60	Note 4	45.0	Supplier's Control Panel	10
DP-3	Deam Control Panel (SEP-B3)	Conveyor Mezzanine	201	DP1	X	3					460/3/60	Note 4	45.0	Supplier's Control Panel	10
DP-4	Deam Control Panel (SEP-B4)	Conveyor Mezzanine	201	DP1	X	3					460/3/60	Note 4	100.0	Supplier's Control Panel	10
DP-5	Deam Control Panel (SEP-B5)	+35F Cooler	106	DP1	X	3					460/3/60	Note 4	100.0	Supplier's Control Panel	10
DP-6	Deam Control Panel (SEP-B6)	+35F Cooler	106	DP1	X	3					460/3/60	Note 4	60.0	Supplier's Control Panel	10
DP-7	Deam Control Panel (SEP-B7)	Conveyor Mezzanine	201	DP1	X	3					460/3/60	Note 4	10.0	Supplier's Control Panel	10
DPH-1	Drain Pan Heater	+35F Penthouse	301	via CU-1	C	3	51	-			460/3/60	F3	64.0	N/A	
DPH-2	Drain Pan Heater	+35F Penthouse	301	via CU-2	C	3	51	-			460/3/60	F3	64.0	N/A	
DPH-3	Drain Pan Heater	+35F Penthouse	301	via CU-3	C	3	51	-			460/3/60	F3	64.0	N/A	
DPH-4	Drain Pan Heater	+35F Penthouse	301	via CU-4	C	3	51	-			460/3/60	F3	64.0	N/A	
EBH-1	Electric Baseboard Heater	Unisex Toilet	205	RL1	X	1	1	-	1		120/1/60	Note 4	8.3	N/A	
EBH-2	Electric Baseboard Heater	Coordinator's Office	105	RL1	X	1	1	-	1		120/1/60	Note 4	8.3	N/A	
EBH-3	Electric Baseboard Heater	Coordinator's Office	105	RL1	X	1	1	-	1		120/1/60	Note 4	8.3	N/A	
EF-1	Exhaust Fan	Unisex Toilet	205	RL1	X	1	0.1	-	1		120/1/60	Note 4	1.0	Wall Switch	
EF-2	Exhaust Fan	Receiving Bay	101	RL1	X	3	-	0.75	1		208/3/60	Note 4	3.2	Manual Motor Starter	8
EF-3	Exhaust Fan	Receiving Bay	101	RL1	X	3	-	0.75	1		208/3/60	Note 4	3.2	Manual Motor Starter	8
EF-4	Exhaust Fan	Walkway	203	RL1	X	1	-	0.25	1		120/1/60	Note 4	5.8	Manual Motor Starter	8
EUH-1	Electric Unit Heater	StairTower, Walkway		PP1	X	3	5	-	1		460/3/60	Note 4	6.3	N/A	
EUH-2	Electric Unit Heater	StairTower, Walkway		PP1	X	3	5	-	1		460/3/60	Note 4	6.3	N/A	
EUH-3	Electric Unit Heater	StairTower, Walkway		PP1	X	3	5	-	1		460/3/60	Note 4	6.3	N/A	
EUH-4	Electric Unit Heater	StairTower, Walkway		PP1	X	3	5	-	1		460/3/60	Note 4	6.3	N/A	
HP-1	Heat Pump	Computer Room	104	RL1	X	1	-	-			120/1/60	Note 4	10.0	Panel	
HP-2	Heat Pump	Test Office	202	RL1	X	1	-	-			120/1/60	Note 4	10.0	Panel	
IRH-1	Infrared Heater	Receiving Bay	101	RL1	X	1	-	-			120/1/60	Note 4	3.0	Panel	
IRH-2	Infrared Heater	Receiving Bay	101	RL1	X	1	-	-			120/1/60	Note 4	3.0	Panel	
LOW-1	Lowerator	Conveyor Mezzanine	201	SEP-B	L	3	-	10			460/3/60	Note 4	14.0	Starter Enclosure Panel	10
PRC-1	Pallet Return Conveyor	+35F Cooler	106	SEP-A	L	3	-	1	1		460/3/60	Note 4	1.8	Starter Enclosure Panel	1, 10, 12
PRC-2	Pallet Return Conveyor	+35F Cooler	106	SEP-A	L	3	-	2	1		460/3/60	Note 4	3.4	Starter Enclosure Panel	1, 10, 12
PRC-3	Pallet Return Conveyor	+35F Cooler	106	SEP-A	L	3	-	1	1		460/3/60	Note 4	1.8	Starter Enclosure Panel	1, 10, 12
PRC-4	Pallet Return Conveyor	+35F Cooler	106	SEP-A	L	3	-	2	1		460/3/60	Note 4	3.4	Starter Enclosure Panel	1, 10, 12
PRC-5	Pallet Return Conveyor	+35F Cooler	106	SEP-A	L	3	-	1	1		460/3/60	Note 4	1.8	Starter Enclosure Panel	1, 10, 12
PRC-6	Pallet Return Conveyor	+35F Cooler	106	SEP-A	L	3	-	2	1		460/3/60	Note 4	3.4	Starter Enclosure Panel	1, 10, 12
PRC-7	Pallet Return Conveyor	+35F Cooler	106	SEP-A	L	3	-	1	1		460/3/60	Note 4	1.8	Starter Enclosure Panel	1, 10, 12
PRC-8	Pallet Return Conveyor	+35F Cooler	106	SEP-A	L	3	-	2	1		460/3/60	Note 4	3.4	Starter Enclosure Panel	1, 10, 12
PU-01	Conveyor Power Unit	+35F Cooler	106	SEP-B	L	3	-	7.5	1		460/3/60	Note 4	11.0	Starter Enclosure Panel	1, 10
PU-02	Conveyor Power Unit	+35F Cooler	106	SEP-B	L	3	-	7.5	1		460/3/60	Note 4	11.0	Starter Enclosure Panel	1, 10
PU-03	Conveyor Power Unit	+35F Cooler	106	SEP-B	L	3	-	7.5	1		460/3/60	Note 4	11.0	Starter Enclosure Panel	1, 10
PU-04	Conveyor Power Unit	+35F Cooler	106	SEP-B	L	3	-	7.5	1		460/3/60	Note 4	11.0	Starter Enclosure Panel	1, 10
PU-05	Conveyor Power Unit	+35F Cooler	106	SEP-B	L	3	-	7.5	1		460/3/60	Note 4	11.0	Starter Enclosure Panel	1, 10
PU-06	Conveyor Power Unit	+35F Cooler	106	SEP-B	L	3	-	7.5	1		460/3/60	Note 4	11.0	Starter Enclosure Panel	1, 10
PU-07	Conveyor Power Unit	+35F Cooler	106	SEP-B	L	3	-	7.5	1		460/3/60	Note 4	11.0	Starter Enclosure Panel	1, 10
PU-08	Conveyor Power Unit	+35F Cooler	106	SEP-B	L	3	-	7.5	1		460/3/60	Note 4	11.0	Starter Enclosure Panel	1, 10
PU-09	Conveyor Power Unit	+35F Cooler	106	SEP-B	L	3	-	7.5	1		460/3/60	Note 4	11.0	Starter Enclosure Panel	1, 10
PU-10	Conveyor Power Unit	+35F Cooler	106	SEP-B	L	3	-	7.5	1		460/3/60	Note 4	11.0	Starter Enclosure Panel	1, 10
PU-11	Conveyor Power Unit	+35F Cooler	106	SEP-B	L	3	-	7.5	1		460/3/60	Note 4	11.0	Starter Enclosure Panel	1, 10
PU-12	Conveyor Power Unit	+35F Cooler	106	SEP-B	L	3	-	7.5	1		460/3/60	Note 4	11.0	Starter Enclosure Panel	1, 10
PU-13	Conveyor Power Unit	+35F Cooler	106	SEP-B	L	3	-	7.5	1		460/3/60	Note 4	11.0	Starter Enclosure Panel	1, 10
PU-14	Conveyor Power Unit	+35F Cooler	106	SEP-B	L	3	-	7.5	1		460/3/60	Note 4	11.0	Starter Enclosure Panel	1, 10
PU-15	Conveyor Power Unit	Conveyor Mezzanine	201	SEP-B	L	3	-	7.5	1		460/3/60	Note 4	11.0	Starter Enclosure Panel	1, 10
PU-16	Conveyor Power Unit	Conveyor Mezzanine	201	SEP-B	L	3	-	7.5	1		460/3/60	Note 4	11.0	Starter Enclosure Panel	1, 10
PU-17	Conveyor Power Unit	Conveyor Mezzanine	201	SEP-B	L	3	-	7.5	1		460/3/60	Note 4	11.0	Starter Enclosure Panel	1, 10
PU-18	Conveyor Power Unit	Conveyor Mezzanine	201	SEP-B	L	3	-	7.5	1		460/3/60	Note 4	11.0	Starter Enclosure Panel	1, 10
PU-19	Conveyor Power Unit	Conveyor Mezzanine	201	SEP-B	L	3	-	7.5	1		460/3/60	Note 4	11.0	Starter Enclosure Panel	1, 10
PU-20	Conveyor Power Unit	Conveyor Mezzanine	201	SEP-B	L	3	-	7.5	1		460/3/60	Note 4	11.0	Starter Enclosure Panel	1, 10
PU-21	Conveyor Power Unit	Conveyor Mezzanine	201	SEP-B	L	3	-	7.5	1		460/3/60	Note 4	11.0	Starter Enclosure Panel	1, 10
PU-22	Conveyor Power Unit	Conveyor Mezzanine	201	SEP-B	L	3	-	7.5	1		460/3/60	Note 4	11.0	Starter Enclosure Panel	1, 10
PU-23	Conveyor Power Unit	Conveyor Mezzanine	201	SEP-B	L	3	-	7.5	1		460/3/60	Note 4	11.0	Starter Enclosure Panel	1, 10
PU-24	Conveyor Power Unit	Conveyor Mezzanine	201	SEP-B	L	3	-	10	1		460/3/60	Note 4	14.0	Starter Enclosure Panel	1, 10
SEP-A	Wesfalia Control Panel	Conveyor Mezzanine	201	DP1	X	3					460/3/60	Note 4		Supplier's Control Panel	10
SF-1	Supply fan	Electrical Room	103	RL1	X	1	-	0.13	1		120/1/60	Note 4	4.4	Wall Switch	
SF-2	Supply fan	Walkway	203	RL1	X	1	-	0.25	1		120/1/60	Note 4	5.8	Manual Motor Starter	8
SP-1	Stack Pusher	+35F Cooler	106	SEP-B	L	3	-	10			460/3/60	Note 4	14.0	Starter Enclosure Panel	1, 10
SP-2	Stack Pusher	+35F Cooler	106	SEP-B	L	3	-	10			460/3/60	Note 4	14.0	Starter Enclosure Panel	1, 10
SR-1	Storage-Retrieval Machine	+35F Penthouse	307	DP1	J	3	108				460/3/60	Note 4	160	Panel	1, 10
UPH-1	Under-pit heat	+35F Cooler	106	PP1	Direct	3	3				460/3/60	Note 4	3.7	N/A	
VSL-4	Verticle Store Leveler; Door 4	+35F Cooler	106	PP1	L	3	-	1			460/3/60	Note 4	1.8	Integral w/Equip. Control	1, 7
VSL-5	Verticle Store Leveler; Door 5	+35F Cooler	106	PP1	L	3	-	1			460/3/60	Note 4	1.8	Integral w/Equip. Control	1, 7
VSL-6	Verticle Store Leveler; Door 6	+35F Cooler	106	PP1	L	3	-	1			460/3/60	Note 4	1.8	Integral w/Equip. Control	1, 7
VSL-7	Verticle Store Leveler; Door 7	+35F Cooler	106	PP1	L	3	-	1			460/3/60	Note 4	1.8	Integral w/Equip. Control	1, 7
VSL-8	Verticle Store Leveler; Door 8	+35F Cooler	106	PP1	L	3	-	1			460/3/60	Note 4	1.8	Integral w/Equip. Control	1, 7
WR-1	Welding Receptacle	+35F Cooler	106	PP2	Welding Rec.	3	5	-			460/3/60	Note 4	30.0	N/A	9
WR-2	Welding Receptacle	+35F Cooler	106	PP2	Welding Rec.	3	5	-			460/3/60	Note 4	30.0	N/A	9
WR-3	Welding Receptacle	+35F Cooler	106	PP2	Welding Rec.	3	5	-			460/3/60	Note 4	30.0	N/A	9
WR-4	Welding Receptacle	+35F Cooler	106	PP2	Welding Rec.	3	5	-			460/3/60	Note 4	30.0	N/A	9
WWM-1	Waste Water Monitoring Equip.	Wastewater manhole		RL1		1	1	-			120/1/60	Note 4	16.0	N/A	13

Notes:

General:	B01, etc., has the same significance as B1, etc.
1	Confirm requirements with equipment supplier
2	Aux. dock equipment powered via dock leveler control panel. EC shall connect dock locks, lights and door interlock per manufacturer's recommendations.
3	Motors include integral O/L protection
4	See Panelboard or Motor Control Center Schedule
5	Refrigeration Contractor will provide equipment and control components, EC to connect power and control wiring.
6	Defrost heater does not operate concurrently with compressor and air unit fan.
7	Provide limit switch on dock door to prevent dock leveler from operating unless door is fully open.
8	Manual Motor Starter provided by Mechanical Contractor, installed by EC.
9	Provide a 60A, 480v mechanically interlocked welding receptacle. Provide matching plug for Owner.
10	Coordinate precise wiring requirements with conveyor and SR supplier.
11	Coordinate location of battery charging outlets with Owner.
12	Electrical Contractor shall provide power wiring from control panel (SEP-x) to individual motors.
13	Confirm location with Site Drawings

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0	08/29/03	ISSUED FOR BIDDING
A	07/31/03	ISSUED FOR OWNER REVIEW

REVISIONS

Do not scale drawing. Contractor shall verify all dimensions and conditions prior to construction. Any discrepancies shall be reported to FACILITIES DESIGN, INC. prior to construction for resolution.

PROJECT MANAGER: M.S.M.
DESIGNED BY: C.E.H.
DRAWN BY: M.R.L.
CHECKED BY: M.D.H./W.R.S.
SEAL:

PROJECT:
NEW MILK COOLER

Oakhurst DAIRY

364 FORREST AVENUE
PORTLAND, MAINE 04101

PROJECT NUMBER: 2003.1141.0

DATE: AUGUST 29, 2003

DRAWING TITLE: SCHEDULES SHEET

DRAWING NUMBER: E101

REVISION: 0

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