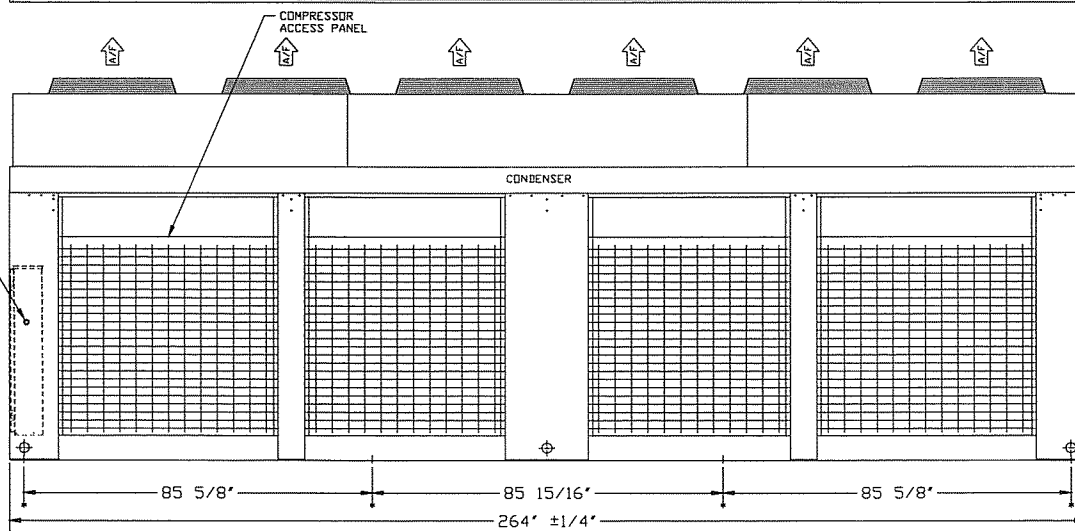
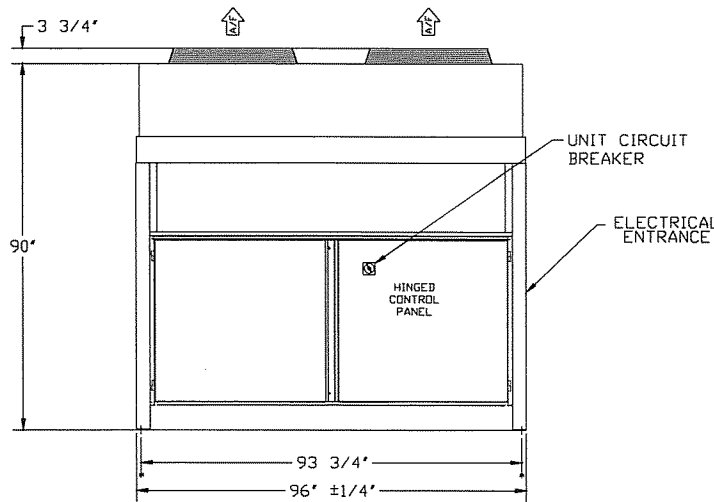
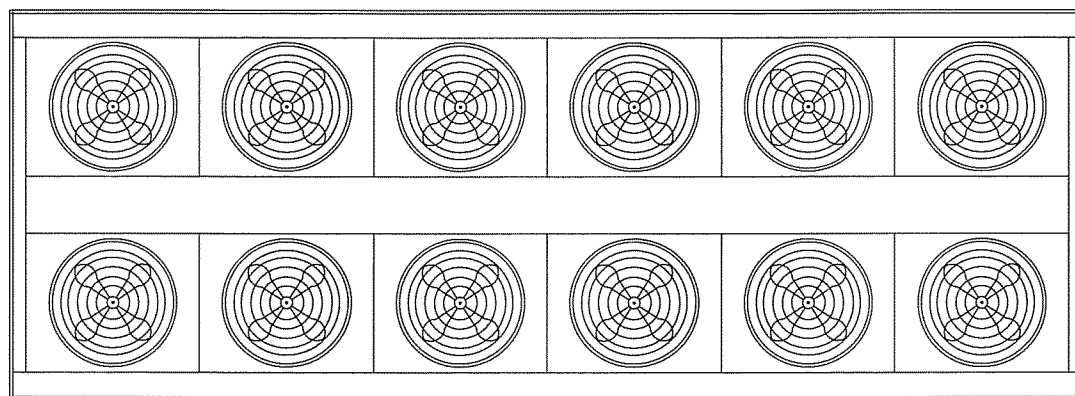
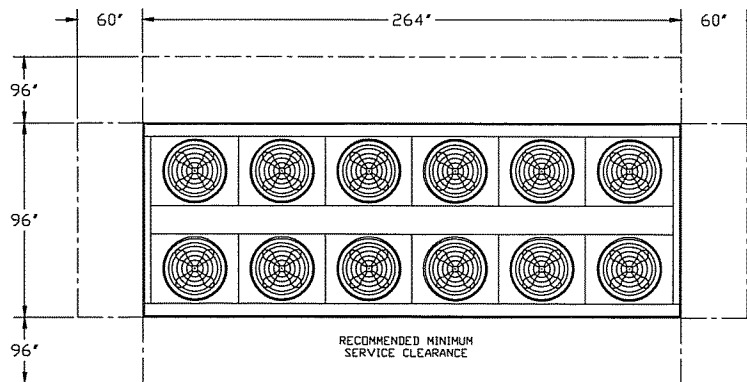




FSI
PR#: 79796
10/25/2005

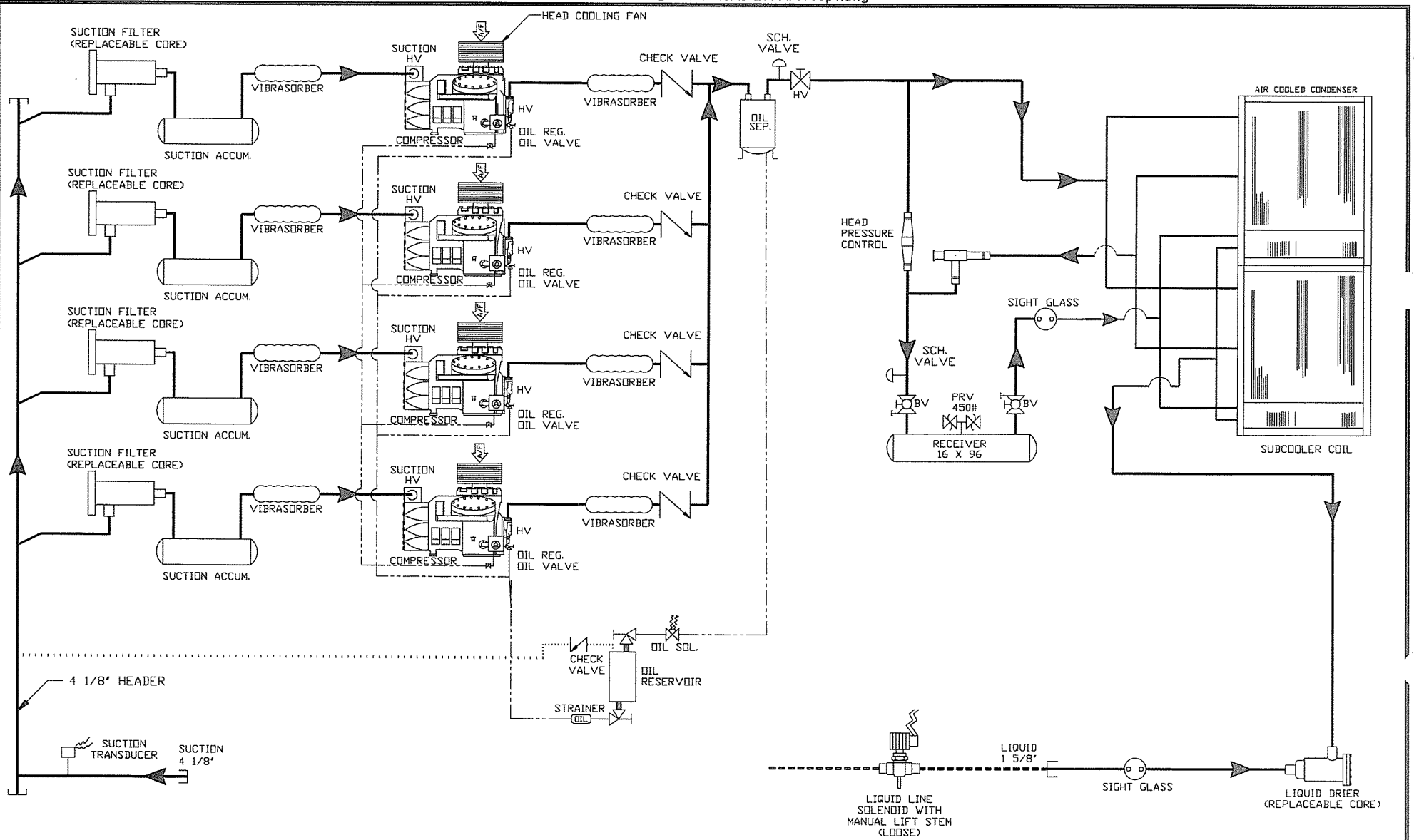


⊕ 2 1/2"⊕ RIGGING HOLES
 * 5/8"⊕ MOUNTING HOLES
 EST. SHIPPING WT. 9,019 LBS.
 EST. OPERATING WT. 9,242 LBS.



TITLE:
 UNIT DRAWING
 DM120L7

SCALE: NONE	ENGINEERING APPROVED BY:	QUALITY CONTROL APPROVED BY:	DRAWN BY: JD	REVISED BY:	DATE:	REV. NO:
DATE: 10/24/05			FILE NO: ACAD2005			⚠
SUB-TITLE: PR 79796			DRAWING NUMBER: 79796U1			⚠



NOTE:
 OIL SYSTEM PIPING ————
 EXTERNAL EQUALIZER LINE - - - -
 FIELD PIPING - - - - -



TITLE:
 REFRIGERANT PIPING
 DM120L7

SCALE: NONE
 DATE: 10/24/05
 SUB-TITLE:

ENGINEERING APPROVED BY:
 QUALITY CONTROL APPROVED BY:
 PR 79796

DRAWN BY: JD
 FILE NO: ACAD2005
 DRAWING NUMBER:
 79796P1

REVISED BY:	DATE:	REV. NO:
		3
		2
		1

8 REMOTES COMPONENTS LOCATED EXTERNAL OF U.L. ENCLOSURE
 9 INDICATES TERMINAL BLOCK
 10 INDICATES WIRE NUMBER IDENTIFICATION FIELD WIRING (BY OTHERS)

CONTROL CIRCUIT POWER: BY OTHERS TO SEPARATE SOURCE
 (115/60/1) (230/60/1)
 BY FACTORY MIN. VA. 2000

TO PROTECTED POWER SOURCE PER N.E.C. FOR MCA VALUE OF 100 OR LESS, USE TYPE 60°C, IF GREATER THAN 100, USE TYPE 75°C COPPER CONDUCTORS ONLY

460/60/3 POWER MAX. VA. 250 MCA 237 RLA 285

460/60/3 POWER MAX. VA. 250 MCA 237 RLA 285

DISCONNECTING MEANS BY OTHERS
 UNIT CIRCUIT BREAKER
 UNIT NON-FUSED DISCONNECT
 UNIT FUSED DISCONNECT

AUX. COOLING FAN RLA .44

AUX. COOLING FAN RLA .44

AUX. COOLING FAN RLA .44

AUX. COOLING FAN RLA .44

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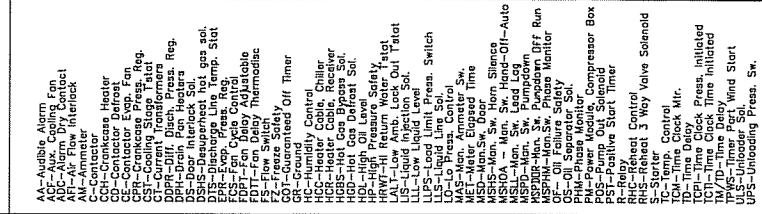
AUX. COOLING FAN RLA .44

NOTES:

PRESSURE LINE COLOR CODE	BLUE
FREEZE	BLUE
LUV	BLUE
HIGH	RED
FAN CYCLE	RED
OIL TEMP	BLACK
LOW	BLUE

LEGEND

AL-Audible Alarm Fan
 ABC-Alarm Dry Contact
 AM-Air Flow Interlock
 C-Capacitor
 CC-Crankcase Heater
 CE-Contactor Exp. Fan
 CG-Crankcase Press. Reg.
 CI-Current Transformer
 DI-Diff. Disc. Pres. Reg.
 DS-Door Interlock Sol.
 DSIS-Deaerated hot gas sol.
 EPR-Exp. Press. Reg. stat
 FCS-Fan Cycle Control Sol.
 FDT-Fan Delay Thermostat
 G-Ground
 GTC-Guaranteed Off Timer
 GR-Ground
 HCC-Heater Cable, Chiller
 HCR-Heater Cable, Receiver
 HIG-High Oil Level
 HIG-Hot Gas Defrost Sol.
 HIG-High Oil Level
 HRT-Hi Return Water Falet
 LAL-Low Amb. Lock Out Talet
 LLL-Low Liquid Level
 LPS-Lead Limit Pres. Switch
 LO-Lo Press. Control
 MAS-Man. Ammeter Sw.
 MSD-Man. Stop Time
 MSIS-Man. Sw. Horn Silence
 MSLS-Man. Sw. Hand-Off-Auto
 MSP-Man. Sw. Pumpdown
 MSP-Man. Sw. Pumpdown Off Run
 MSP-Man. Sw. Pumpdown Monitor
 OF-Off Failure Safety
 OR-Operator Sol.
 PHE-Power Module, Compressor Box
 PPS-Pump Out Solenoid
 PPS-Positive Start Timer
 R-Relay
 RHC-Reheat Control
 RHC-Reheat 3 Way Valve Solenoid
 TC-Temp. Control
 TD-Temp. Delay
 TD-Temp. Delay
 TDP-Time Clock Press. Initiated
 TM/TD-Time Delay
 TRYS-Timer Prg. Wind Start
 UPS-Unloading Press. Sw.



FILE # ACAD_2005

PRESSURE SETTINGS

LOW TEMP	250
IN. OUT	200
HIGH PRESSURE	400
FREEZE CONTROL	15
UNLOADING	0
UNLOADING	200
2-STEP FAN CYCLE A	220
2-STEP FAN CYCLE B	250
3-STEP FAN CYCLE A	220
3-STEP FAN CYCLE B	250
3-STEP FAN CYCLE C	230
4-STEP FAN CYCLE A	230
4-STEP FAN CYCLE B	230
4-STEP FAN CYCLE C	240
4-STEP FAN CYCLE D	250

REVISIONS

By	Date

CENTURY REFRIGERATION
 DIVISION RAE CORPORATION

SCALE: N/A
 DATE: 10/22/05
 SUB-TITLE: ELECTRICAL SCHEMATIC PAGE 1 of 2

TITLE: DM120L7

QUALITY CONTROL APPROVED BY:
 DRAWN BY: CAS
 PR: 79796
 DRAWING NUMBER: 79796E1A

AIR COOLED CONDENSING UNIT RATINGS - R-404A LOW TEMP.

EVAP. TEMP.	AIR ON TEMP.	COND. TEMP.	CAPACITY	WATTS	COND. CAP.	AMPS @ 230	EER	COND. T.D.
-40	85	94.5	297356	62674	511388	229.5	4.7	9.5
-40	95	104.0	269593	62854	484240	228.6	4.3	9.0
-40	105	113.5	240606	62145	452830	226.2	3.9	8.5
-40	115	122.8	210963	60530	417674	222.3	3.5	7.8
-35	85	95.8	342190	69117	578223	243.9	5.0	10.8
-35	95	105.3	310455	69981	549439	244.8	4.4	10.3
-35	105	114.6	277827	70034	516995	244.4	4.0	9.6
-35	115	124.0	243176	69240	479629	242.6	3.5	9.0
-30	85	97.1	391729	75540	649697	258.5	5.2	12.1
-30	95	106.5	356053	77061	619216	261.2	4.6	11.5
-30	105	115.9	318387	77849	584241	262.7	4.1	10.9
-30	115	125.2	279037	77860	544928	263.0	3.6	10.2
-25	85	98.5	445730	82015	725811	273.5	5.4	13.5
-25	95	107.9	405349	84180	692824	278.0	4.8	12.9
-25	105	117.2	363000	85666	655550	281.5	4.2	12.2
-25	115	126.4	318609	86453	613845	283.9	3.7	11.4
-20	85	100.0	504219	88603	806799	289.1	5.7	15.0
-20	95	109.4	458657	91404	770802	295.4	5.0	14.4
-20	105	118.6	411235	93563	730752	300.8	4.4	13.6
-20	115	127.8	360833	95107	685624	305.4	3.8	12.8
-15	85	101.6	567180	95366	892855	305.5	5.9	16.6
-15	95	110.9	516469	98767	853758	313.6	5.2	15.9
-15	105	120.1	462975	101613	809983	321.0	4.6	15.1
-15	115	129.2	406597	103889	761377	327.8	3.9	14.2
-10	85	103.3	634534	102362	984099	322.7	6.2	18.3
-10	95	112.5	578215	106353	941409	332.7	5.4	17.5
-10	105	121.6	518704	109853	893852	342.1	4.7	16.6
-10	115	130.7	455172	112882	840663	351.2	4.0	15.7
-5	85	105.1	706202	109653	1080669	341.1	6.4	20.1
-5	95	114.2	643772	114231	1033872	352.9	5.6	19.2
-5	105	123.3	576958	118425	981379	364.6	4.9	18.3
-5	115	132.2	507113	122133	924196	375.8	4.2	17.2
0	85	107.0	782005	117302	1182592	360.8	6.7	22.0
0	95	116.0	712908	122470	1131143	374.6	5.8	21.0
0	105	125.0	638887	127322	1073692	388.4	5.0	20.0
0	115	133.8	561456	131743	1011359	402.0	4.3	18.8

NOTE: CAPACITY BASED ON FIVE DEGREE LIQUID COOLING *****

NOTE: E.E.R. IS FOR COMPRESSOR ONLY *****