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CARRIER
TRANSCOLD

Carrier Transcold Division
Carrier Corporation
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OPTION KITS		PART NO.	
CENTER WALL DIVIDE BULKHEAD		76-00527-00	
DOOR SWITCH SHUTDOWN		76-00703-01	
REMOTE CONTROL/INDICATOR PANEL	SURFACE	2 COMP.	76-60796-01
		3 COMP.	76-60796-03
	FLUSH	2 COMP.	76-60796-02
		3 COMP.	76-60796-04

PART NO.	SYSTEM	MODEL DESCRIPTION
98-03190-01	A	2 COMPARTMENT W/ 2 MTS 1100 EVAPORATORS
	B	2 COMPARTMENT W/ 1 MTS 1100 & 1 MTD 1100 EVAP'S.
98-03190-02	C	2 COMPARTMENT W/ 1 MTS 1450 & 1 MTS 1100 EVAP'S.
	SPECIAL A	2 COMPARTMENT W/ 1 MTS 2200 & 1 MTS 1100 EVAP'S.
98-03190-03	SPECIAL C	1 COMPARTMENT W/ 1 MTS 2200 EVAPORATOR
98-03190-04	SPECIAL B	2 COMPARTMENT W/ 2 MTS 1450 EVAPORATORS
98-03190-05	D	3 COMPARTMENT W/ 2 MTS 1100 & 1 MTD 1100 EVAP'S.

MULTI-TEMP INSTALLATION PROCEDURE

IMPORTANT: INSTALLATION OF REMOTE EVAPORATORS MUST BE DONE, IN PART, BY A TECHNICIAN IN POSSESSION OF A CURRENT EPA SECTION 608 CERTIFICATION IN THE USA, OR OTHER APPROPRIATE CERTIFICATION OUTSIDE THE USA.

1. SELECT LOCATION FOR REMOTE EVAPORATOR WHICH OPTIMIZES AIR CIRCULATION.

CAUTION: TRUCK BODY MFR TO DETERMINE IF ADJUSTMENT IN CORNER MOULDING IS NECESSARY TO AVOID INTERFERENCE WITH EVAPORATOR MOUNTING.

2. THE TRUCK BODY MANUFACTURER TO PROVIDE SMOOTH FLAT SURFACE IN SAME PLANE TO ACCEPT MOUNTING OF EVAPORATOR. INSTALL REMOTE EVAPORATOR. SEE BODY PREPARATION, SHEET 2.
3. CEILING MOUNTING STUDS SHOULD BE LOCATED BY THE BODY BUILDER PER EVAPORATOR DRAWING LOCATIONS. EVAPORATORS ARE DELIVERED WITH 16mm(5/8 in) CLEARANCE HOLES TO ACCOMADATE MOUNTING STUD SIZE: 1/2-13UNC. ON AN 1100 EVAPORATOR, SHIMS(IT.90) ARE TO BE INSTALLED BETWEEN THE CEILING AND EVAPORATOR TO PROVIDE A SUFFICIENT DRAINAGE SLOPE. TWO(2) SHIMS ARE TO BE INSTALLED ON EACH MOUNTING STUD CLOSEST TO THE EVAPORATOR DRAIN AND ONE(1) SHIM INSTALLED ON THE CENTER MOUNTING STUDS. AN ADDITIONAL TWO(2) SHIMS ARE PROVIDED FOR SPECIAL MOUNTING APPLICATIONS(i.e.: MOUNTING AN EVAPORATOR GUARD). NO SHIMS ARE REQUIRED ON THE STUDS LOCATED FARTHEST FROM THE DRAIN SIDE OF THE EVAPORATOR.
 - 3.1 FOR 1100 EVAPORATORS ONLY, THE TWO CENTER MOUNTING STUDS ARE NOT REQUIRED WHEN 1/2-13 UNC STUDS ARE USED ON THE FOUR CORNER MOUNTING LOCATIONS.
4. AFTER MAIN UNIT IS MOUNTED, ROUTE REFRIGERANT LINES FROM MAIN UNIT TO REMOTE EVAPORATOR. APPLY A LIGHT COAT OF CLEAR REFRIGERANT OIL TO O-RINGS AT MAIN UNIT AND REMOTE EVAPORATOR(S) BEFORE ASSEMBLY.
5. TROUGH LOCATIONS:
 - 5.1 WHEN USING A WALL TROUGH FOR TUBING AND ELECTRICAL WIRING, THE TROUGH SHOULD BEGIN AT A POINT 1-1/2 INCHES DOWN FROM THE CEILING. THIS WILL ALLOW THE TUBING FROM EVAPORATOR TO DIRECTLY ENTER THE TROUGH BEFORE MAKING THE FIRST BEND TOWARDS THE HOST UNIT.
 - 5.2 IF A WALL TROUGH IS USED, THE TROUGH SHOULD CONTINUE TO A POINT 6 INCHES PAST THE SIDE TUBING CONNECTIONS OF A DUAL DISCHARGE EVAPORATOR.
 - 5.3 IF A CEILING TROUGH IS USED, THE TROUGH SHOULD CONTINUE TO WITHIN 6 INCHES FROM THE REAR OF A SINGLE DISCHARGE EVAPORATOR.

CONTINUED ON SHEET 2

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G	UPDATED SHT. INDEX; SEE SHT.3; PER IPCA72N200GP07, SHT.75					ZMG	26 NOV 2007
F	UPDATED SHT. INDEX; REV'D NOTES 3. & 3.1; SEE SHT.2 PER IPCA71N200GP07, SHT.49					MGC	10 JUL 2007
E	UPDATED SHT. INDEX.; SEE SHT'S 7,8,9 & 10 PER PCA72N249GP06.					ZMG	23 OCT 2006
SYM	REVISION RECORD	ENGRG.	DATE	APPLICATION ENGRG.	DATE	DRAWN BY	DATE

SUPERSEDES

TITLE

INSTALLATION INSTRUCTIONS
GENESIS R90 - MTD/MTS REMOTE EVAPORATORS

DRAWING NO.

98-03190
SHT. 1 OF 15

REV

G

SEE SEPARATE PARTS LIST



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CONVERSION CHART	
DECIMAL INCHES	FRACTIONAL INCHES
1.50	1-1/2
5.83	5-27/32

6. REFRIGERANT LINE SIZES:

- 6.1 THE HOST UNIT HAS A 1-1/8 INCH SUCTION LINE CONNECTION. THE REMOTE EVAPORATORS HAVE A 7/8 INCH SUCTION LINE CONNECTION.
- 6.2 WHEN CONNECTING THE REMOTE EVAPORATORS, STEP UP THE SUCTION LINE SIZE NEAR THE EVAPORATOR AND RUN THE ENTIRE LENGTH WITH 1-1/8 INCH PIPE.
- 6.4 THE SUCTION & HOT GAS LINES MUST BE INSULATED. IT IS NOT NECESSARY TO INSULATE THE LIQUID LINE.

7. REFRIGERANTS:

- 7.1 IF R-404A REFRIGERANT IS TO BE USED, IT IS MANDATORY THAT NITROGEN FLUSHING BRAZE TECHNIQUES ARE USED ON EVERY SOLDER TUBING JOINT. IT IS RECOMMENDED THAT THIS SAME PROCEDURE BE USED ON R-22 REFRIGERANT UNIT BUT IS NOT MANDATORY. THIS TECHNIQUE ELIMINATES OXIDATION WHICH WILL REDUCE SYSTEM RELIABILITY.
- 7.2 LEAK TEST AND THEN EVACUATE THE SYSTEM THROUGH RECEIVER PORT AND SUCTION PORT. SEE SERVICE MANUAL FOR PROPER PROCEDURE.

CAUTION: DISCONNECT ALL BATTERIES BEFORE WORKING ON ELECTRICAL SYSTEM.

8. ELECTRICAL CONNECTIONS:

- 8.1 THE WIRING HARNESS FOR THE REMOTE EVAPORATOR SHOULD BE RUN ALONG WITH THE SUCTION, HOT GAS AND LIQUID LINE TO THE HOST UNIT.
- 8.2 AFTER ROUTING THE WIRING HARNESS(S) AND INSTALLING THE REMOTE EVAPORATOR(S), DETERMINE REQUIRED HARNESS LENGTH(S) AND CUT HARNESS AT THE REMOTE EVAPORATOR END.

CAUTION: USE EXTREME CAUTION TO AVOID CUTTING THE INSULATION ON WIRES WHEN CUTTING WIRE HARNESS SLEEVE.

- 8.3 USE THE PRE-INSULATED TERMINALS SUPPLIED (IT.2) AND PROPER CRIMPING TOOL (AMP #59824-1) TO MAKE ELECTRICAL CONNECTIONS.
- 8.4 COMPLETE ALL ELECTRICAL CONNECTIONS ON THE MAIN UNIT AND ON THE REMOTE EVAPORATOR PER WIRING INSTRUCTIONS ON SHEET'S 5 & 6.
- 8.5 IF A REAR MOUNTED REMOTE CONTROL/INDICATOR PANEL IS USED, THE CONTROL CABLE MAY BE RUN WITH THE SUCTION, HOT GAS, LIQUID LINE AND THE EVAPORATOR WIRE HARNESS TO THE HOST UNIT OR UNDERNEATH THE TRUCK BODY TO THE HOST UNIT.

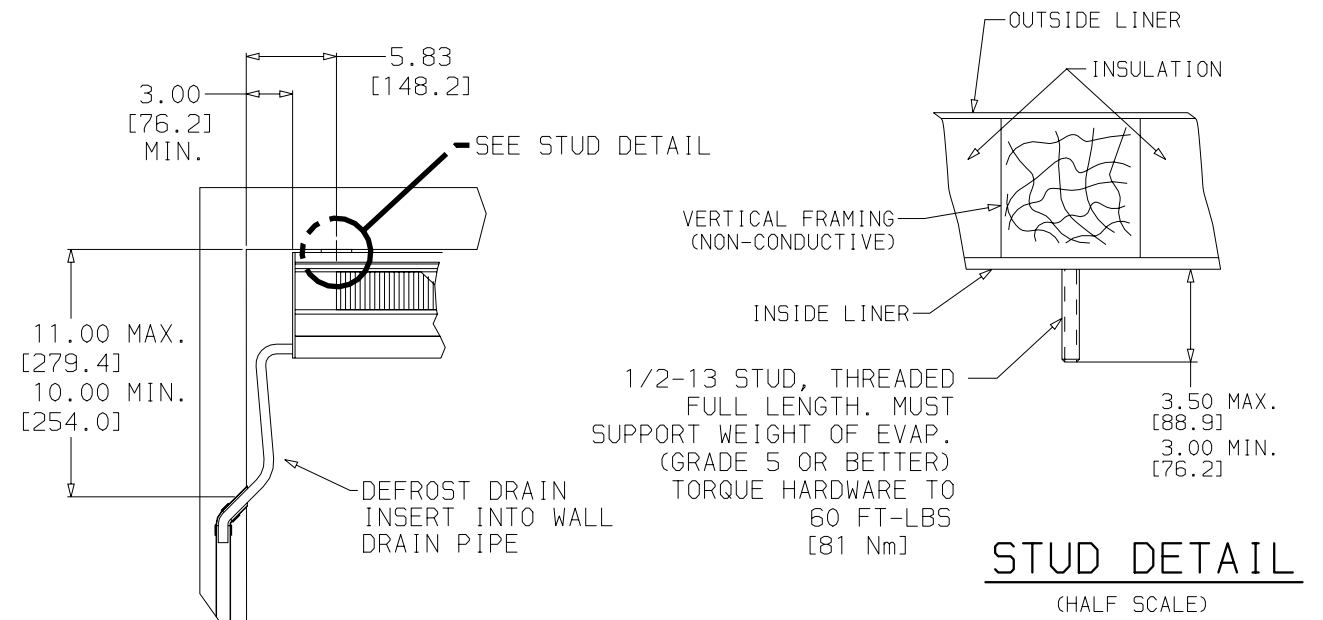
9. DRAIN TUBE CONNECTIONS:

- 9.1 DEFROST DRAIN TUBES PROVIDED BY THE TRUCK MANUFACTURER SHOULD BE CENTERED ON THE EVAPORATOR AND PLACED 10 TO 11 INCHES FROM THE CEILING. A 7/8 INCH I.D./ 15/16 INCH O.D. DRAIN TUBE IS SUPPLIED FOR CONNECTION OF THE REMOTE EVAPORATOR DRAIN OUTLET WHICH IS TO BE INSTALLED INTO THE TRAILER OEM SUPPLIED WALL DRAIN. THE DRAIN TUBE SUPPLIED BY CARRIER IS DESIGNED TO GO INSIDE THE WALL DRAIN PIPE SUPPLIED BY THE BODYBUILDER OEM. THE WALL DRAIN MUST BE CPVC SCHEDULE 40 RATED AT 200°F [93°C] OR EQUIVALENT.
- 9.2 THE 1100 EVAPORATOR USES ONLY ONE OF THE TWO DEFROST DRAINS. THE UNUSED DRAIN IS PLUGGED WITH PLUG PROVIDED WITH THE EVAPORATOR.
- 9.3 THE 2200 WIDTH EVAPORATOR USES BOTH DEFROST DRAINS UNLESS IN 96" WIDE APPLICATIONS.

- 10. CONSULT APPLICATION ENGINEERING FOR PROPER INSTALLATION OF FEATURES NOT SUPPLIED BY CARRIER.

INSTALLATION TIPS

- (A) USE FLAT FLOORING IN THE FLOOR SECTION UNDER THE BULKHEAD.
- (B) PROVIDE A THERMAL BREAK IN THE FLOOR UNDER THE BULKHEAD. FOR MOVABLE LOCATION BULKHEADS, USE RUBBERIZED HARDWOOD FLOORS.
- (C) COVER REFRIGERANT LINES TO AVOID IMPACT DAMAGE.
- (D) INSTALL A GUARD AROUND THE EVAP. TO PREVENT IMPACT DAMAGE.



TRUCK BODY PREPERATION FOR EVAPORATOR

F	IN STUD DETAIL, 1/2-13 STUD WAS 3/8-16 STUD, AND 60 FT-LBS [81 Nm] WAS 30 FT-LBS [41 Nm] PER IPCA71N2006P07, SHT. 49					MGC	10 JUL 2007
C	UPDATED STEP 9.1, REV'D STUD LENGTH, 3.00 MIN/3.50 MAX WAS 1.50 MIN/2.00 MAX PER IPCA71N2006P04, SHT. 37					MGC	3/15/04
SYM	REVISION RECORD	ENGRG.	DATE	APPLICATION ENGRG.	DATE	DRAWN BY	DATE

SUPERSEDES	TITLE	DRAWING NO.	REV
	INSTALLATION INSTRUCTIONS GENESIS R90 - MTD/MTS REMOTE EVAPORATORS	98-03190 SHT. 2 OF	F



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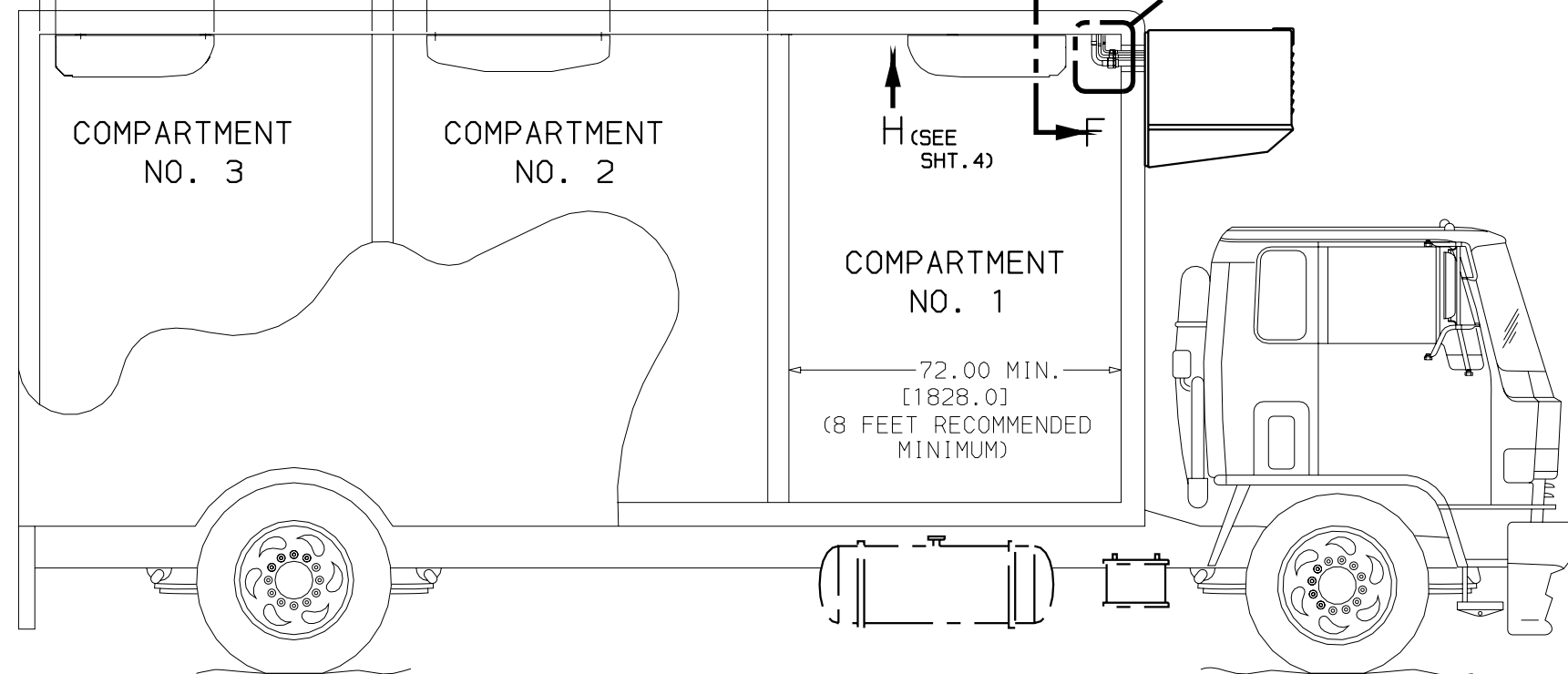
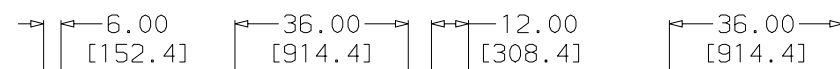
TUBING INSTRUCTIONS

CAUTION: HOST UNIT IS SHIPPED FULLY CHARGED FROM FACTORY.

- 1.0 PUMP DOWN REFRIGERATION SYSTEM AND REMOVE CAPS FROM EVAPORATOR CONNECTIONS.
- 2.0 ROUTE TUBING TO REAR EVAPORATORS TO MINIMIZE EXPOSURE TO DAMAGE.
- 3.0 FOR COPPER TO COPPER BRAZING IT IS RECOMMENDED THAT A BRAZING MATERIAL OF 15% SILVER, 5% PHOSPHOROUS BE USED (FLUX IS NOT REQUIRED FOR COPPER TO COPPER JOINTS). "SOFT SOLDER" BRAZING MATERIAL IS NOT RECOMMENDED.
- 4.0 CLOSED CELL FOAM INSULATION IS RECOMMENDED TO COVER THE ENTIRE SUCTION & HOT GAS LINE LENGTH.

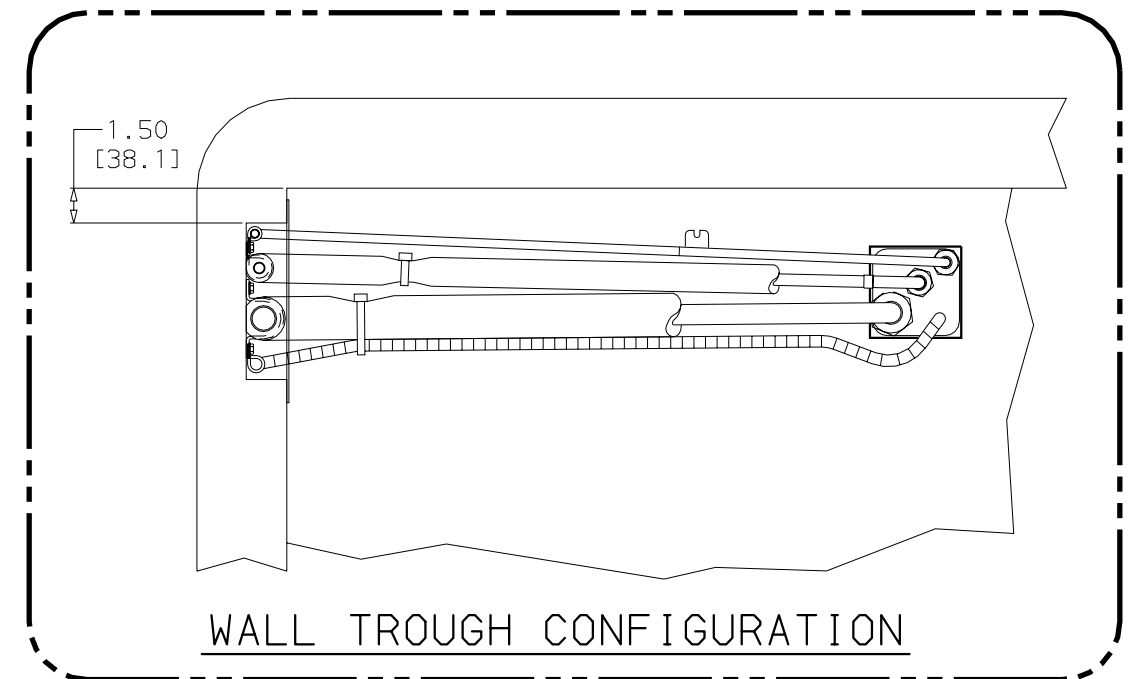
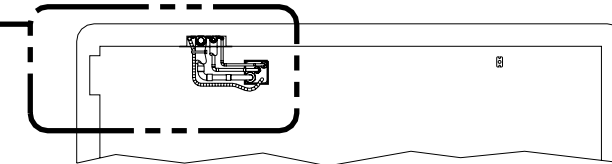
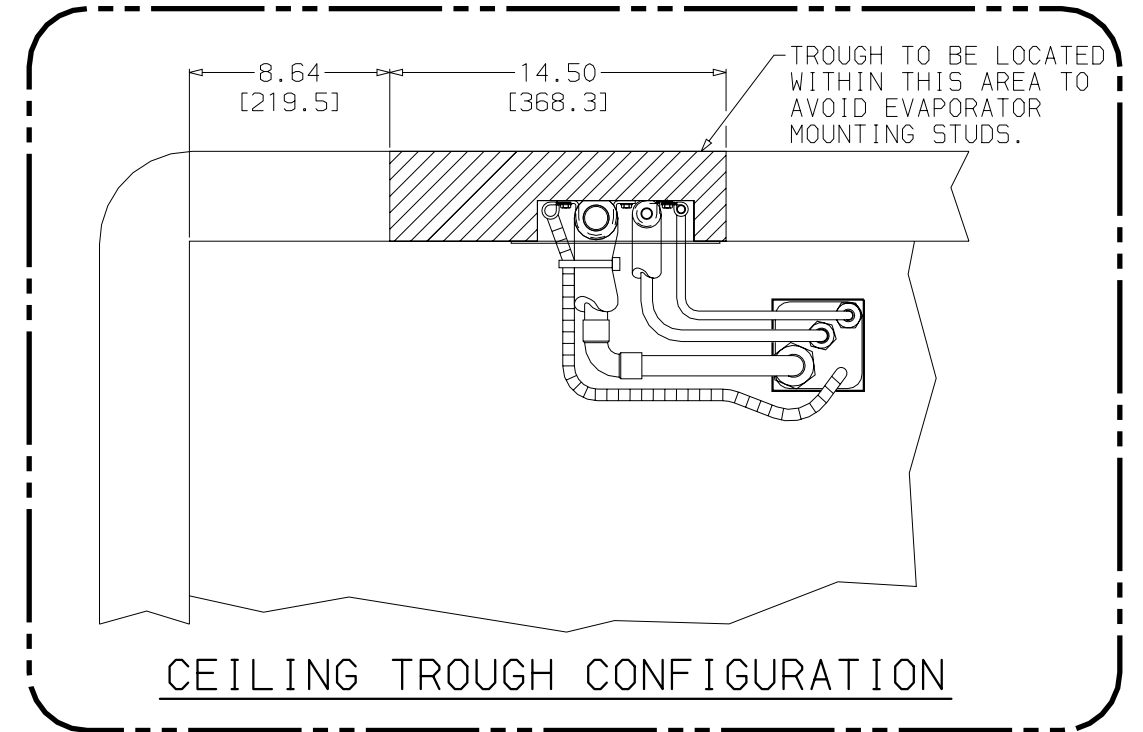
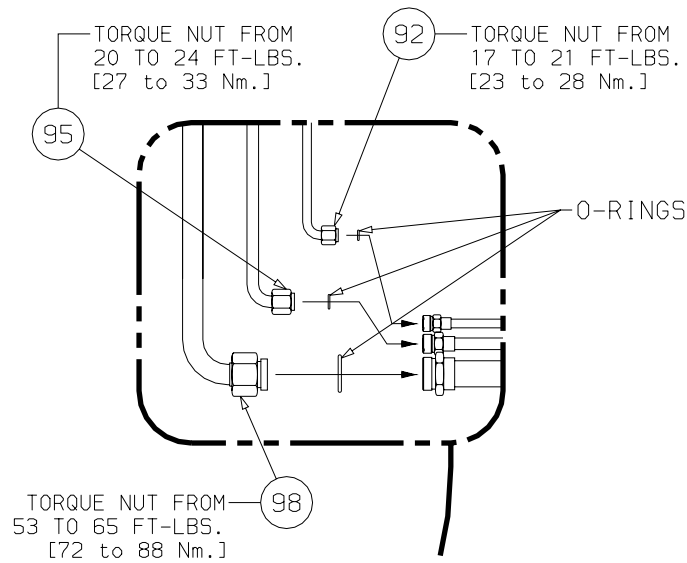
IMPORTANT: USE ONLY NEW O-RINGS SUPPLIED IN KIT WHEN INSTALLING UNIT. DISCARD FACTORY INSTALLED O-RINGS TO INSURE PROPERLY SEALED CONNECTIONS.

- 36.00 **CAUTION:** MAKE SURE ALL BRAZING IS COMPLETE AND HAS WILL RESULT IN O-RING DAMAGE.



2 OR 3 COMPARTMENT INSTALLATION

REFRIGERANT LINE ROUTING



G	REVISED NOTE 3.0 PER IPCA72N2006P07, SHT.75.					ZMG	26NOV07
-	INITIAL RELEASE PER PCA718210G					MGC	7-28-98
SYM	REVISION RECORD	ENGRG.	DATE	APPLICATION ENGRG.	DATE	DRAWN BY	DATE

TITLE	INSTALLATION INSTRUCTIONS GENESIS R90 - MTD/MTS REMOTE EVAPORATORS	DRAWING NO.	98-03190	REV	G
		SHT.	3 OF		

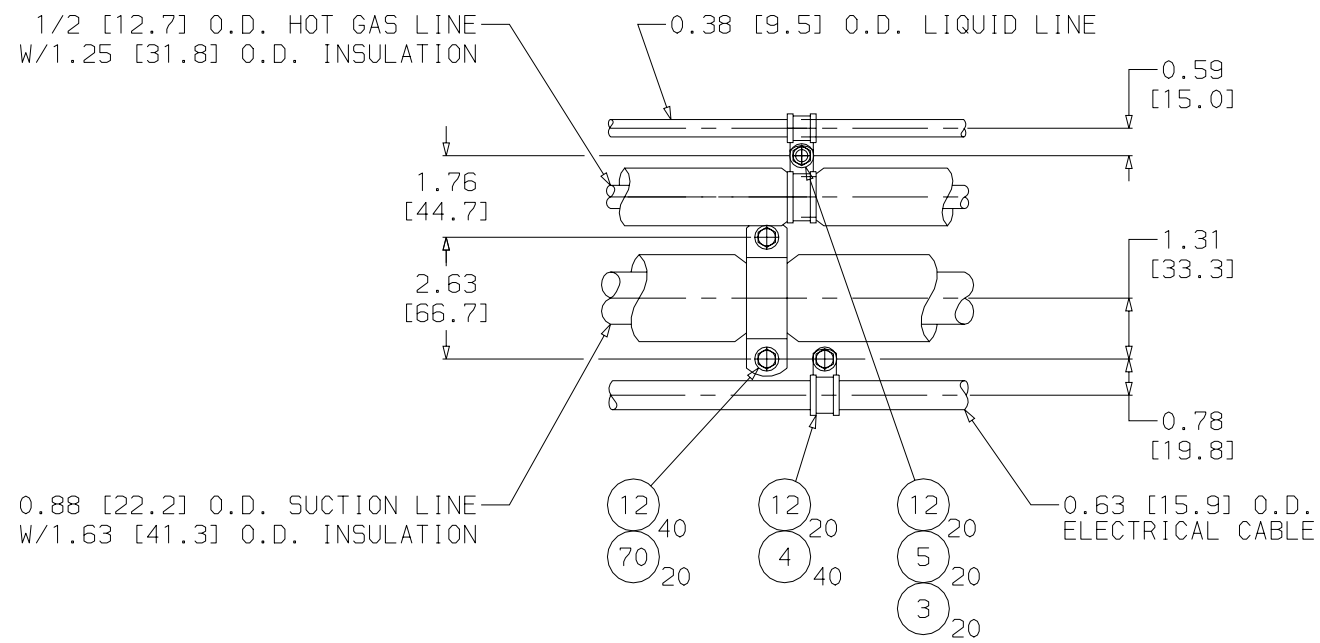


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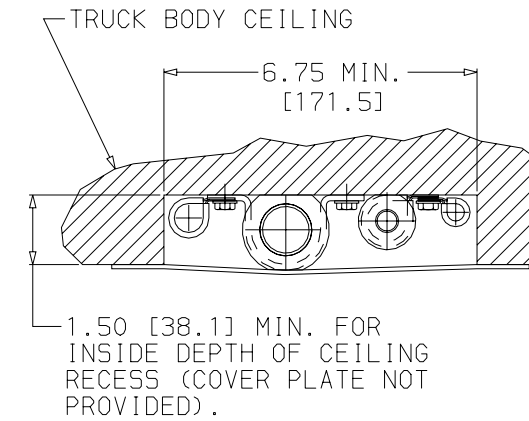
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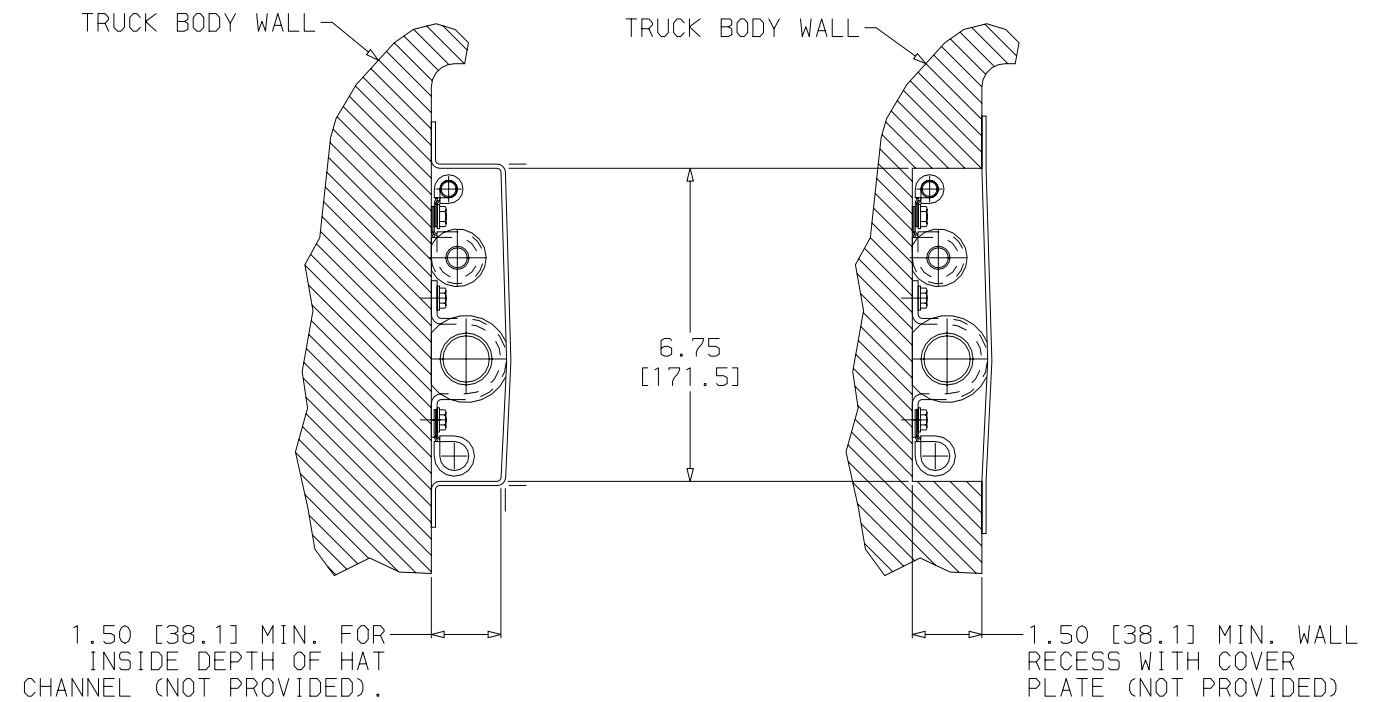


DETAIL "H"

CLAMP TUBES & CABLE SECURELY TO
CEILING OR WALL AS REQUIRED TO
PREVENT DAMAGE FROM VIBRATION
SCALE: 1:2



CEILING ROUTING

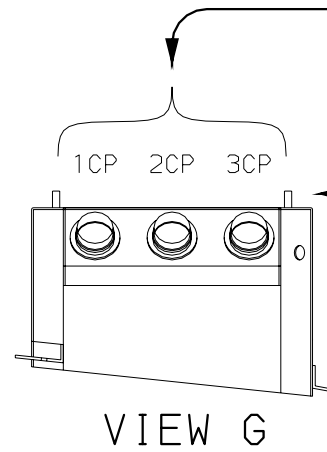
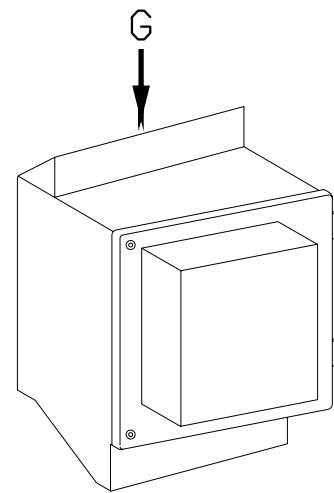


OPTION A

OPTION B

WALL ROUTING

-	INITIAL RELEASE PER PCA718210G					MGC	7-28-98	SUPERSEDES	TITLE	INSTALLATION INSTRUCTIONS GENESIS R90 - MTD/MTS REMOTE EVAPORATORS	DRAWING NO. 98-03190	REV -
SYM	REVISION RECORD	ENGRG.	DATE	APPLICATION ENGRG.	DATE	DRAWN BY	DATE				SHT. 4 OF	



MAIN CONTROL BOX

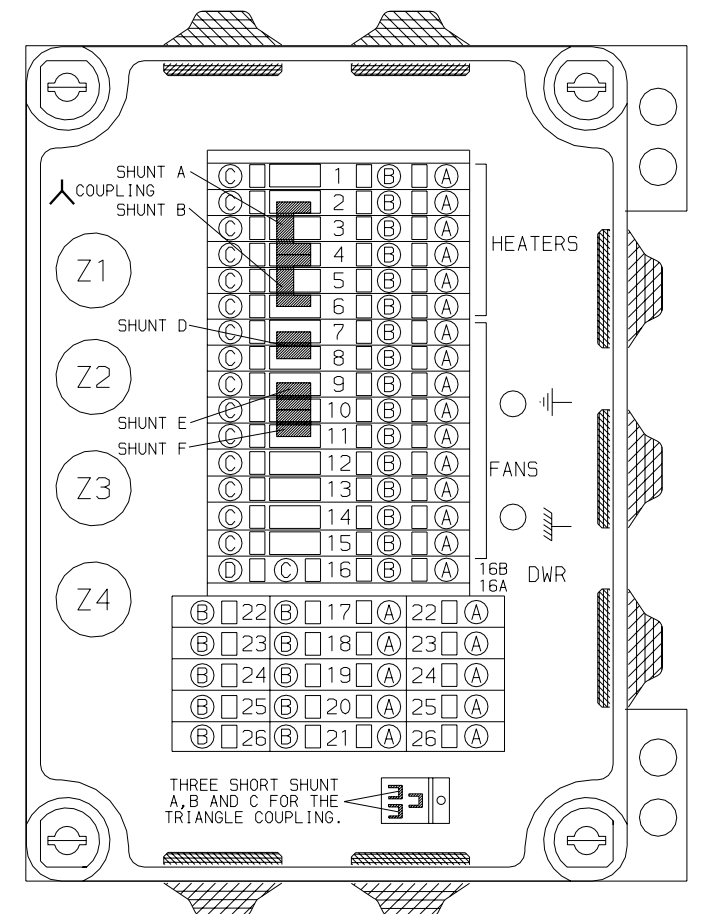
1CP....COMPARTMENT 1
2CP....COMPARTMENT 2
3CP....COMPARTMENT 3

CONN 19V	COMPARTMENT
1	YELLOW (1)
2	YELLOW (2)
3	BLACK
4	BLACK
5	ORANGE
6	ORANGE
7	GREY
8	RED (1)
9	WHITE
10	RED (2)
11	PURPLE
12	RED (3)
13	DARK BLUE
14	CAVITY PLUG
15	GREEN
16	CAVITY PLUG
17	BLUE
18	CAVITY PLUG
19	BROWN

ELECTRICAL CONNECTIONS (SEE SHT'S 2 & 6)

1.0 CONNECT THE WIRE COLORS IN ACCORDANCE TO THE FOLLOWING.

—	RED (1)	1C HEATERS
—	RED (2)	3C HEATERS
—	RED (3)	5C HEATERS
—	BROWN	9C FANS
—	BLUE	7C FANS
—	PURPLE	16D HGV
—	DARK BLUE	17B DS
—	GREY	22B DS
—	WHITE	23B LSV
—	ORANGE	19B HT
—	ORANGE	24B HT
—	YELLOW (2)	20B DTS
—	YELLOW (1)	25B DTS
—	BLACK	21B RASA
—	BLACK	26B RASB
—	GREEN	
—	GREEN/YELLOW	



EVAPORATOR JUNCTION BOX

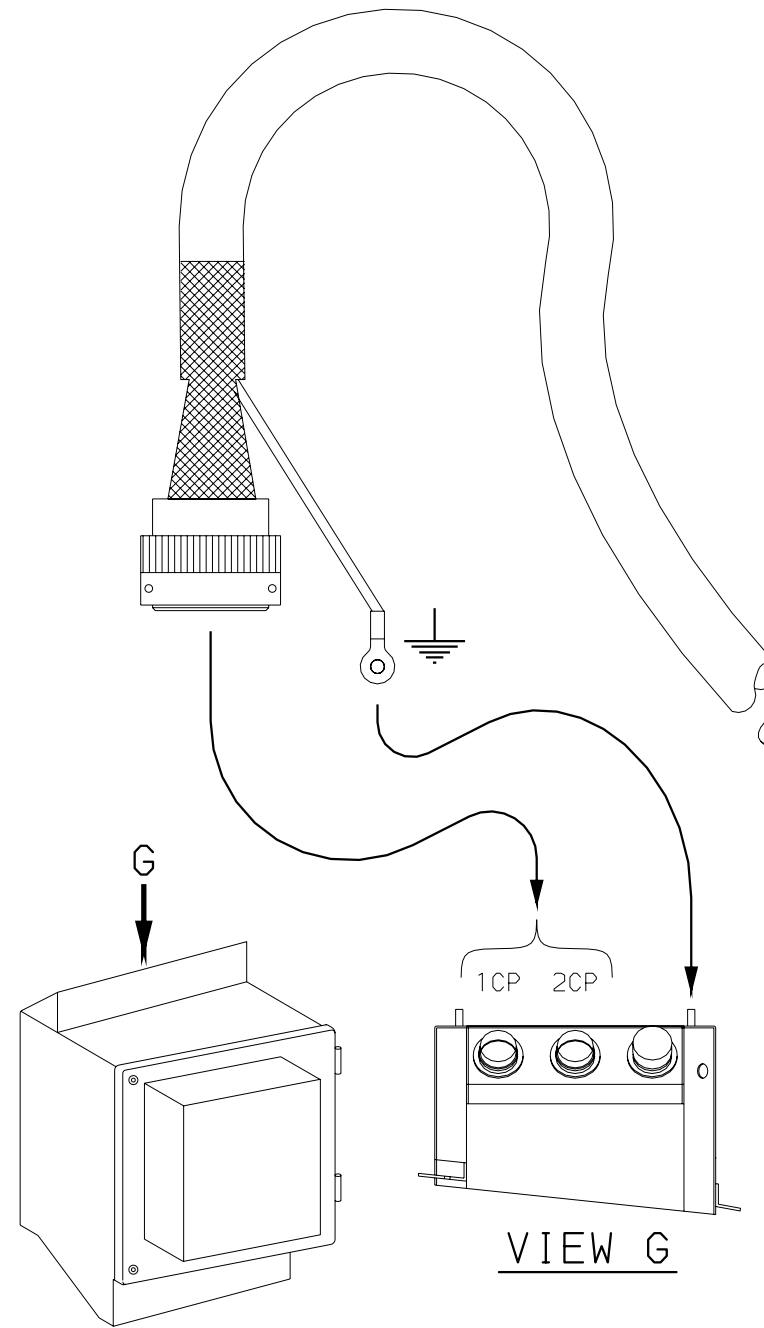
SYM	REVISION RECORD	ENGRG.	DATE	APPLICATION ENGRG.	DATE	DRAWN BY	DATE	SUPERSEDES	TITLE	DRAWING NO.	REV
-	INITIAL RELEASE PER PCA718210G					MGC	7-28-98		INSTALLATION INSTRUCTIONS GENESIS R90 - MTD/MTS REMOTE EVAPORATORS	98-03190	-
										SHT. 5 OF	

ELECTRICAL CONNECTIONS (SEE SHT 1)

1.0 CONNECT THE WIRE COLORS IN ACCORDANCE TO THE FOLLOWING CHARTS.

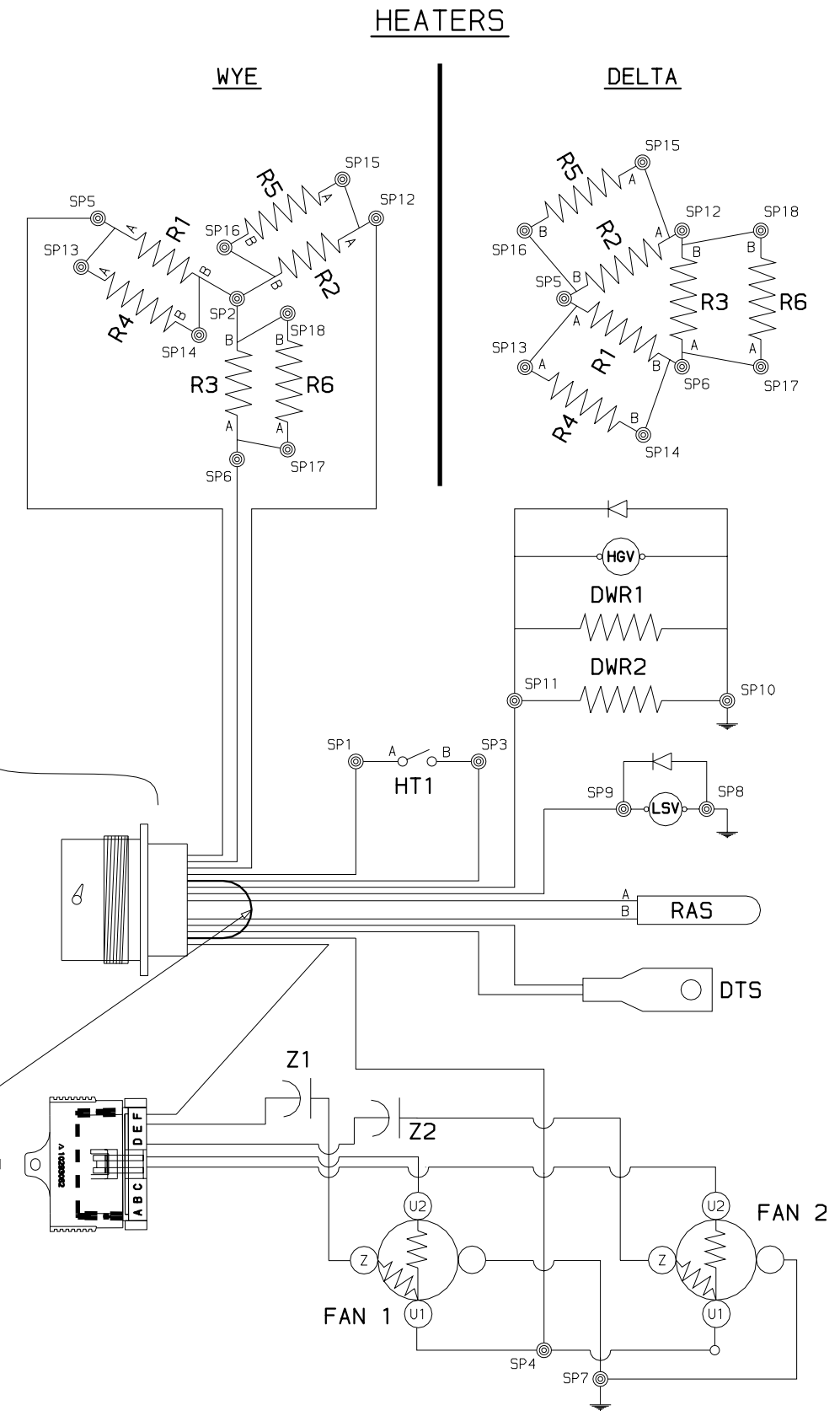
FIELD INSTALLED CONNECTOR			CONNECTOR INSIDE EVAP	
CONNECTOR PIN NO.	WIRE COLOR	TERMINAL	CONNECTOR PIN NO.	WIRE LABEL
1	YELLOW1	0460-202-16141	1	C1-1-DTSB
2	YELLOW2	0460-202-16141	2	C1-2-DTSA
3	BLACK1	0460-202-16141	3	C1-3-RASB
4	BLACK2	0460-202-16141	4	C1-4-RASA
5	ORANGE1	0460-202-16141	5	SP1-C1-5
6	ORANGE2	0460-202-16141	6	SP3-C1-6
7	GRAY	0460-202-16141	7	C1-7-C1-13
* 8	RED1	0460-204-12141	* 8	SP5-C1-8
* 9	WHITE	0460-215-16141	* 9	C1-9-SP9
* 10	RED2	0460-204-12141	* 10	SP12-C1-10
* 11	PURPLE	0460-202-16141	* 11	SP11-C1-11
* 12	RED3	0460-204-12141	* 12	SP6-C1-12
* 13	DK BLUE	0460-202-16141	* 13	C1-7-C1-13
* 14	SEAL PLUG	SEAL PLUG	* 14	SEAL PLUG
* 15	GREEN	0460-202-16141	* 15	C1-15-GRD
* 16	SEAL PLUG	SEAL PLUG	* 16	SEAL PLUG
* 17	BLUE	0460-202-16141	* 17	SP4-C1-17
* 18	SEAL PLUG	SEAL PLUG	* 18	SEAL PLUG
* 19	BROWN	0460-202-16141	* 19	C1-19-SPK1

* INDICATES A LARGE CAVITY.



MAIN CONTROL BOX

1CP....COMPARTMENT 1
2CP....COMPARTMENT 2



TERMINAL	CTD P/N	DESCRIPTION
0460-204-12141	22-50078-77C	LARGE
0460-215-16141	22-50078-78A	SMALL W/GRN STRIPE
0460-202-16141	22-01613-14	SMALL
114017	22-01660-08	SEAL PLUG

D	IN EVAP CONNECTOR CHART, REV'D WIRE LABELS FOR CONN. PIN NO'S: 2,4,6; IN DIAGRAM: HGV WAS LSV PER IPCA71N2006P05, SHT. 92					MGC	9 NOV 2005
B	ADDED EVAP. WIRING INFO PER PCA71N2046P03					MGC	3/13/03
SYM	REVISION RECORD	ENGRG.	DATE	APPLICATION ENGRG.	DATE	DRAWN BY	DATE

SUPERSEDES	TITLE	INSTALLATION INSTRUCTIONS GENESIS R90 - MTD REMOTE EVAPORATORS	DRAWING NO. 98-03190 SHT. 5A OF	REV D
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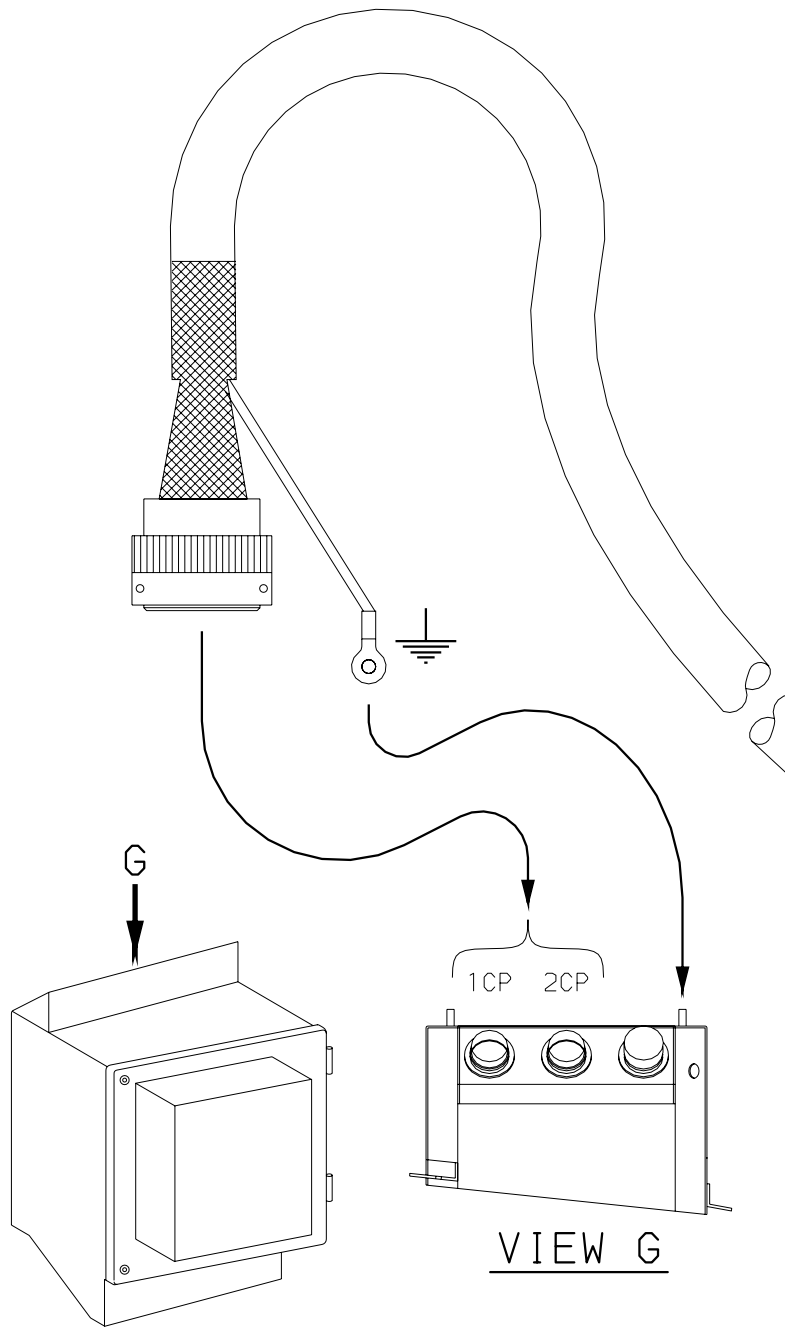
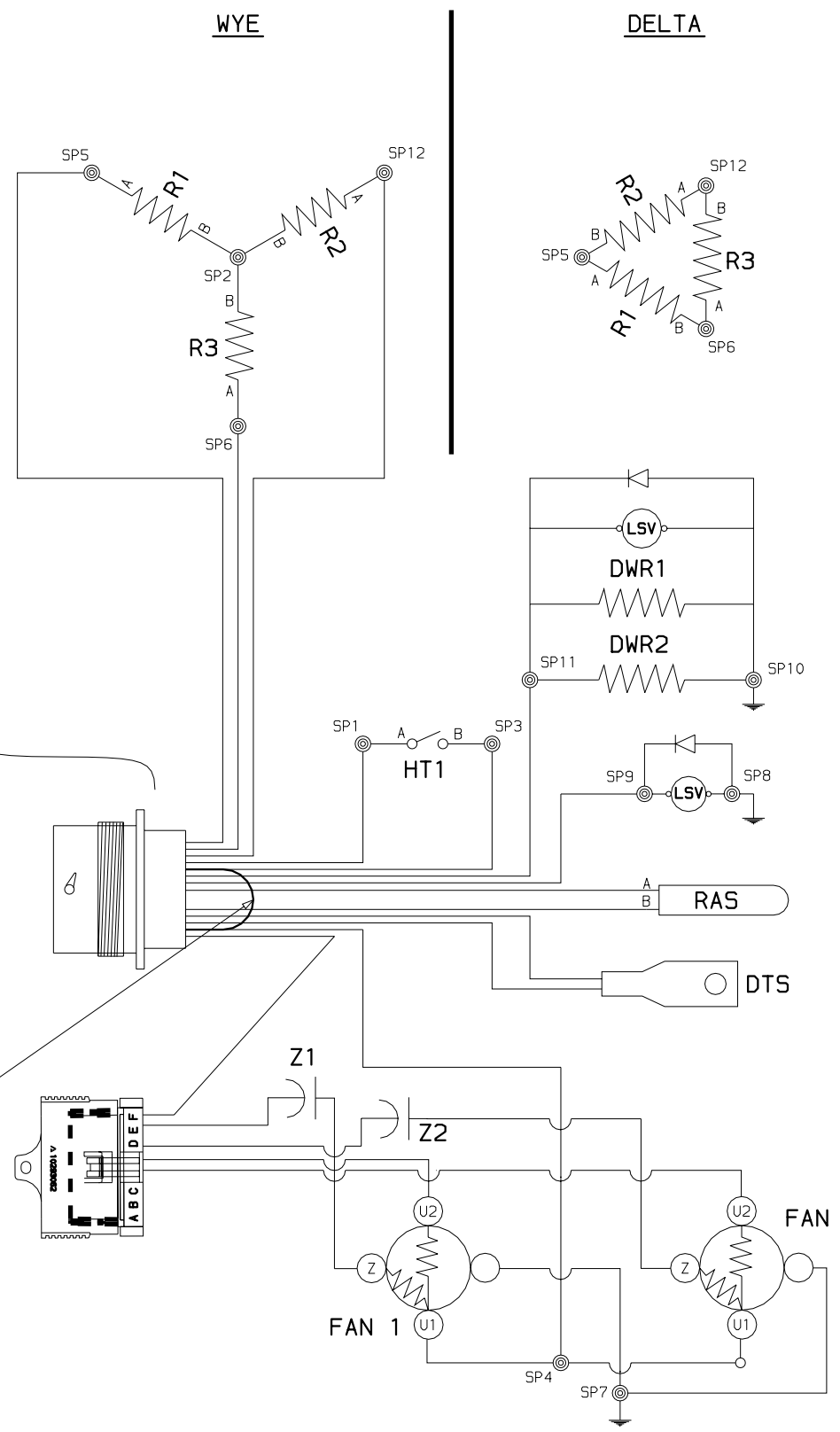
ELECTRICAL CONNECTIONS (SEE SHT 1)

1.0 CONNECT THE WIRE COLORS IN ACCORDANCE TO THE FOLLOWING CHARTS.

FIELD INSTALLED CONNECTOR			CONNECTOR INSIDE EVAP	
CONNECTOR PIN NO.	WIRE COLOR	TERMINAL	CONNECTOR PIN NO.	WIRE LABEL
1	YELLOW1	0460-202-16141	1	C1-1-DTSB
2	YELLOW2	0460-202-16141	2	C1-1-DTSA
3	BLACK1	0460-202-16141	3	C1-3-RASB
4	BLACK2	0460-202-16141	4	C1-3-RASA
5	ORANGE1	0460-202-16141	5	SP1-C1-5
6	ORANGE2	0460-202-16141	6	SP1-C1-6
7	GRAY	0460-202-16141	7	C1-7-C1-13
* 8	RED1	0460-204-12141	* 8	SP5-C1-8
* 9	WHITE	0460-215-16141	* 9	C1-9-SP9
* 10	RED2	0460-204-12141	* 10	SP12-C1-10
* 11	PURPLE	0460-202-16141	* 11	SP11-C1-11
* 12	RED3	0460-204-12141	* 12	SP6-C1-12
* 13	DK BLUE	0460-202-16141	* 13	C1-7-C1-13
* 14	SEAL PLUG	SEAL PLUG	* 14	SEAL PLUG
* 15	GREEN	0460-202-16141	* 15	C1-15-GRD
* 16	SEAL PLUG	SEAL PLUG	* 16	SEAL PLUG
* 17	BLUE	0460-202-16141	* 17	SP4-C1-17
* 18	SEAL PLUG	SEAL PLUG	* 18	SEAL PLUG
* 19	BROWN	0460-202-16141	* 19	C1-19-SPK1

* INDICATES A LARGE CAVITY.

HEATERS



MAIN CONTROL BOX

1CP....COMPARTMENT 1
2CP....COMPARTMENT 2

TERMINAL	CTD P/N	DESCRIPTION
0460-204-12141	22-50078-77C	LARGE
0460-215-16141	22-50078-78A	SMALL W/GRN STRIPE
0460-202-16141	22-01613-14	SMALL
114017	22-01660-08	SEAL PLUG

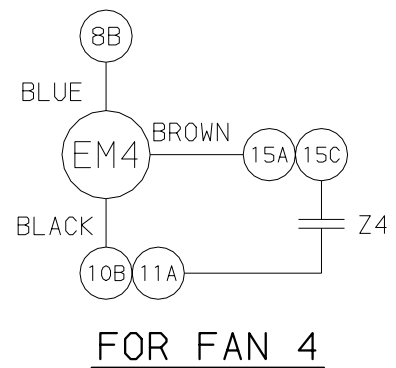
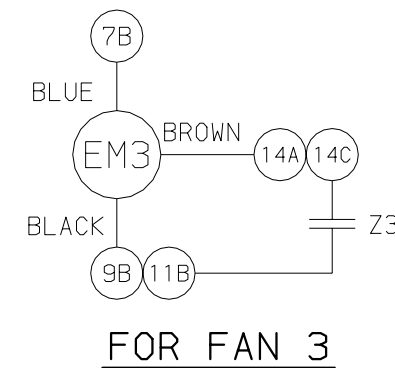
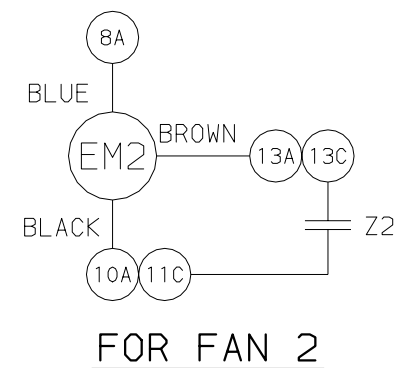
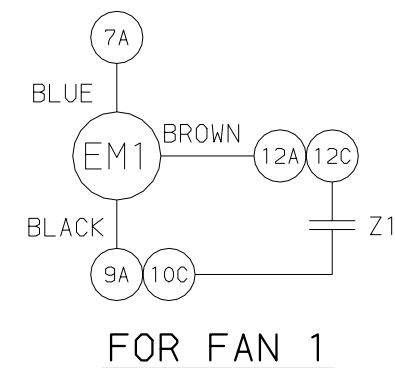
SYMBOL	REVISION RECORD	ENGRG.	DATE	APPLICATION ENGRG.	DATE	DRAWN BY	DATE
B	ADDED THIS SHT PER PCA71N204GP03					MGC	3/13/03

TITLE: INSTALLATION INSTRUCTIONS
GENESIS R90 - MTS REMOTE EVAPORATORS

DRAWING NO. 98-03190
SHT. 5B OF B

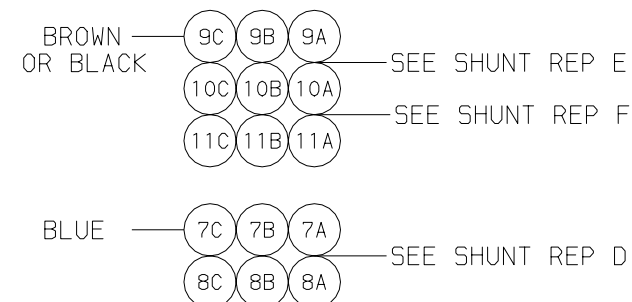


WIRING DIAGRAM FOR FAN1 TO FAN4 (INFORMATION ONLY)



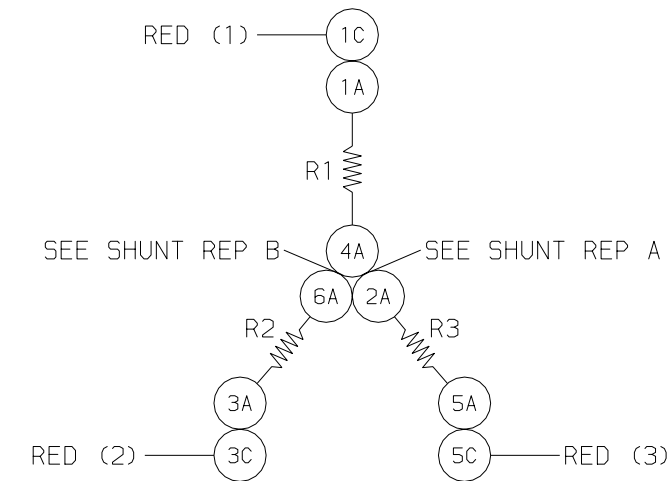
RESPECT THE CONNECTIONS ACCORDING TO THE WIRE COLOR, SEE SPECIFICATION OF THE DIAGRAM(SHT.5).

SUPPLY WIRES

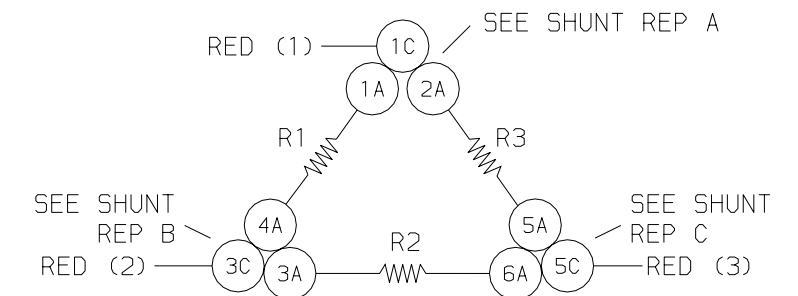


HEATER WIRING DIAGRAM FOR SINGLE DISCHARGE (SEE NOTE)

400V/3/50 (ORIGINAL COUPLING)



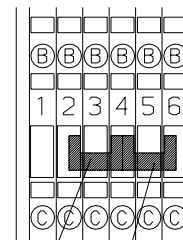
230V/3/50
240V/3/60



STAR COUPLING

400V/3/50

PLACE THE TWO LONG SHUNT A AND B IN ACCORDANCE WITH THE TERMINAL MARK.



SHUNT A SHUNT B

SUPPLY WIRES
OR

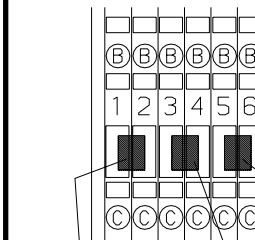
RED (1) ... 1C
RED (2) ... 3C
RED (3) ... 5C

TO CHANGE THE STAR TO TRIANGLE COUPLING, YOU MUST PUT THE SHUNT IN ACCORDANCE WITH THE DESCRIPTION.

TRIANGLE COUPLING

230V/3/50
240V/3/60

PLACE THE THREE SHORT SHUNT A, B AND C IN ACCORDANCE WITH THE TERMINAL MARK.

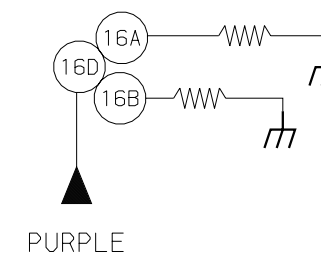


SHUNT A SHUNT B SHUNT C

NOTE: FOR ALL UNITS WITH 19 PIN CONNECTOR, A HARNESS PLUG-IN IS PROVIDED FOR EITHER WYE OR DELTA CIRCUITING.

WIRING DIAGRAM FOR THE DRAIN HOSE HEATERS

RESISTANCE 25W (13W FOR NAO) PER HEATER



A	ADD 19 PIN CONNECTOR NOTE. (PCA71N203GP02)					GMC	1/08/02
-	INITIAL RELEASE PER PCA718210G					MGC	7-28-98
SYM	REVISION RECORD	ENGRG.	DATE	APPLICATION ENGRG.	DATE	DRAWN BY	DATE

SUPERSEDES

TITLE: INSTALLATION INSTRUCTIONS
GENESIS R90 - MTD/MTS REMOTE EVAPORATORS

DRAWING NO. 98-03190
SHT. 6 OF 8

REV A



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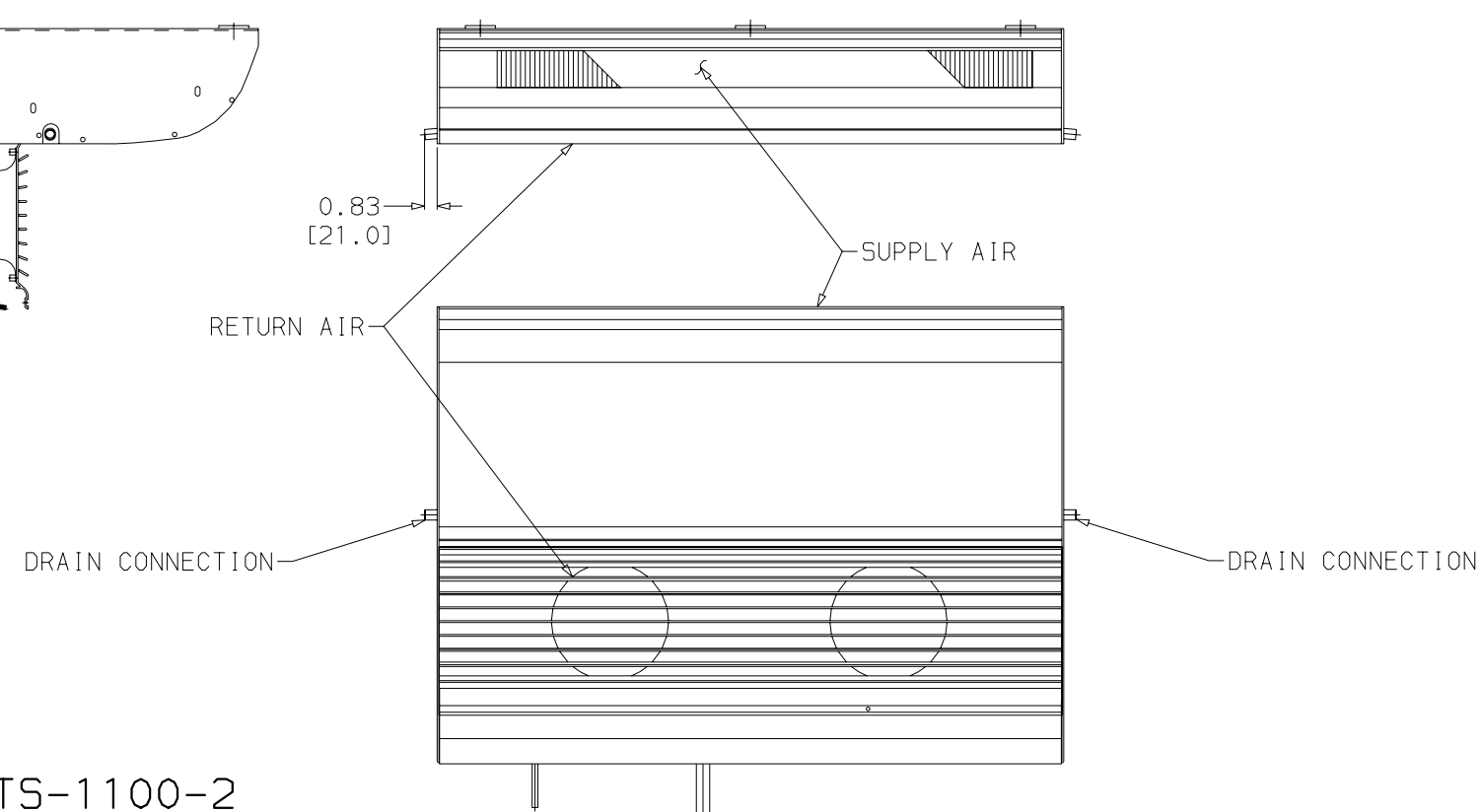
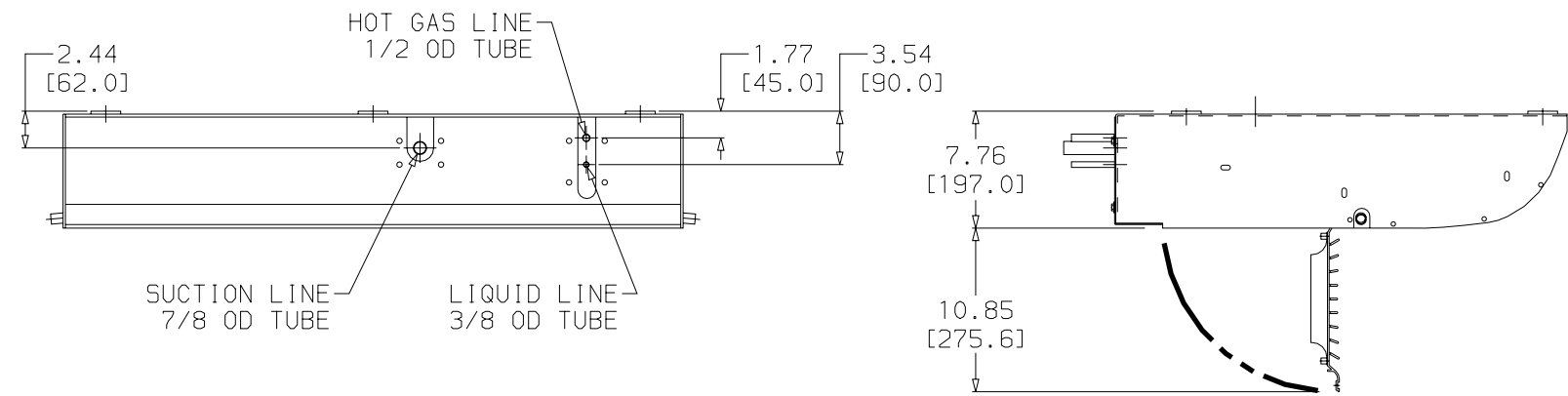
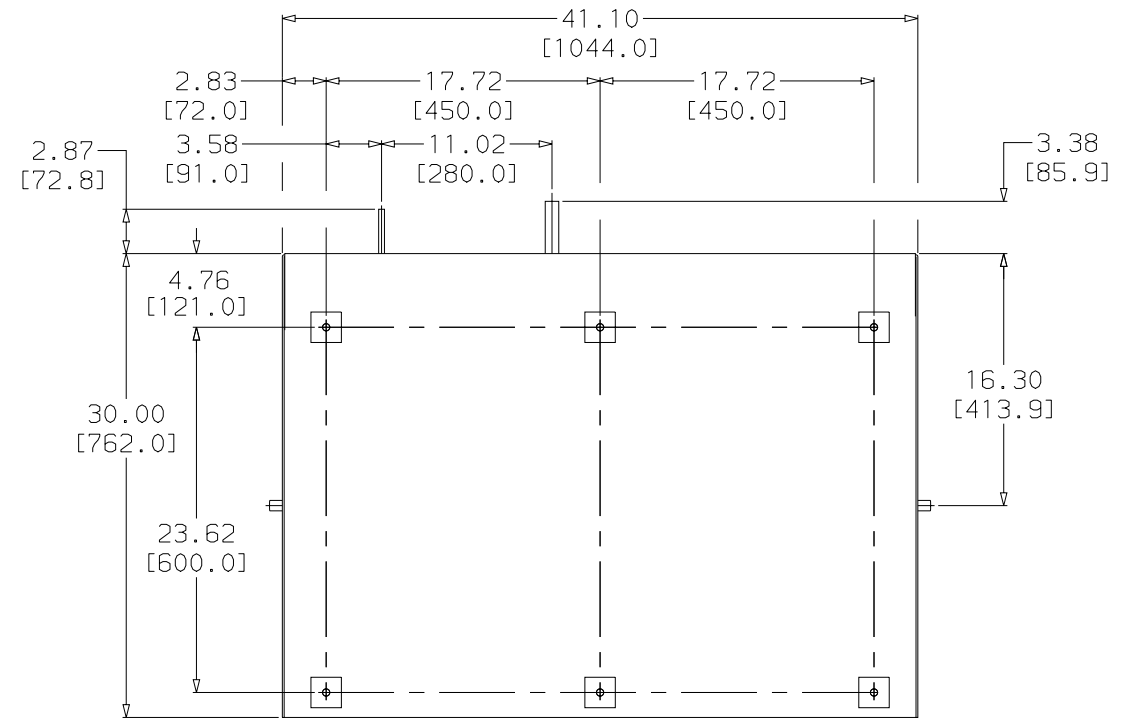
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CONVERSION CHART	
DECIMAL INCHES	FRACTIONAL INCHES
0.83	27/32
1.77	1-25/32
2.44	2-7/16
2.83	2-27/32
2.87	2-7/8
3.21	3-7/32
3.54	3-17/32
3.58	3-19/32
4.17	4-3/16
4.76	4-3/4
7.76	7-3/4
10.85	10-27/32
11.02	11-1/32
16.30	16-5/16
17.72	17-23/32
23.62	23-5/8
41.10	41-3/32

EVAPORATOR WEIGHT
MTS-1100 106lbs[48.1 Kg]



MTS-1100-2

SYM	REVISION RECORD	ENGRG.	DATE	APPLICATION ENGRG.	DATE	DRAWN BY	DATE
E	ADDED DRAIN CALLOUT PER PCA72N249GP06					ZMG	23 OCT 2006
C	ADDED EVAPORATOR WEIGHT PER IPCA71N200GP04,SHT.37					MGC	3/15/04
B	PIC'T UPDATED TUBES; ADDED DIM'S: 2.87 & 3.38; REM'D DIM'S: 3.21 & 4.17 PER PCA71N204GP03					MGC	2/26/03

SUPERSEDES	TITLE	DRAWING NO.	REV
	INSTALLATION INSTRUCTIONS GENESIS R90 - MTD/MTS REMOTE EVAPORATORS	98-03190 SHT. 7 OF	E



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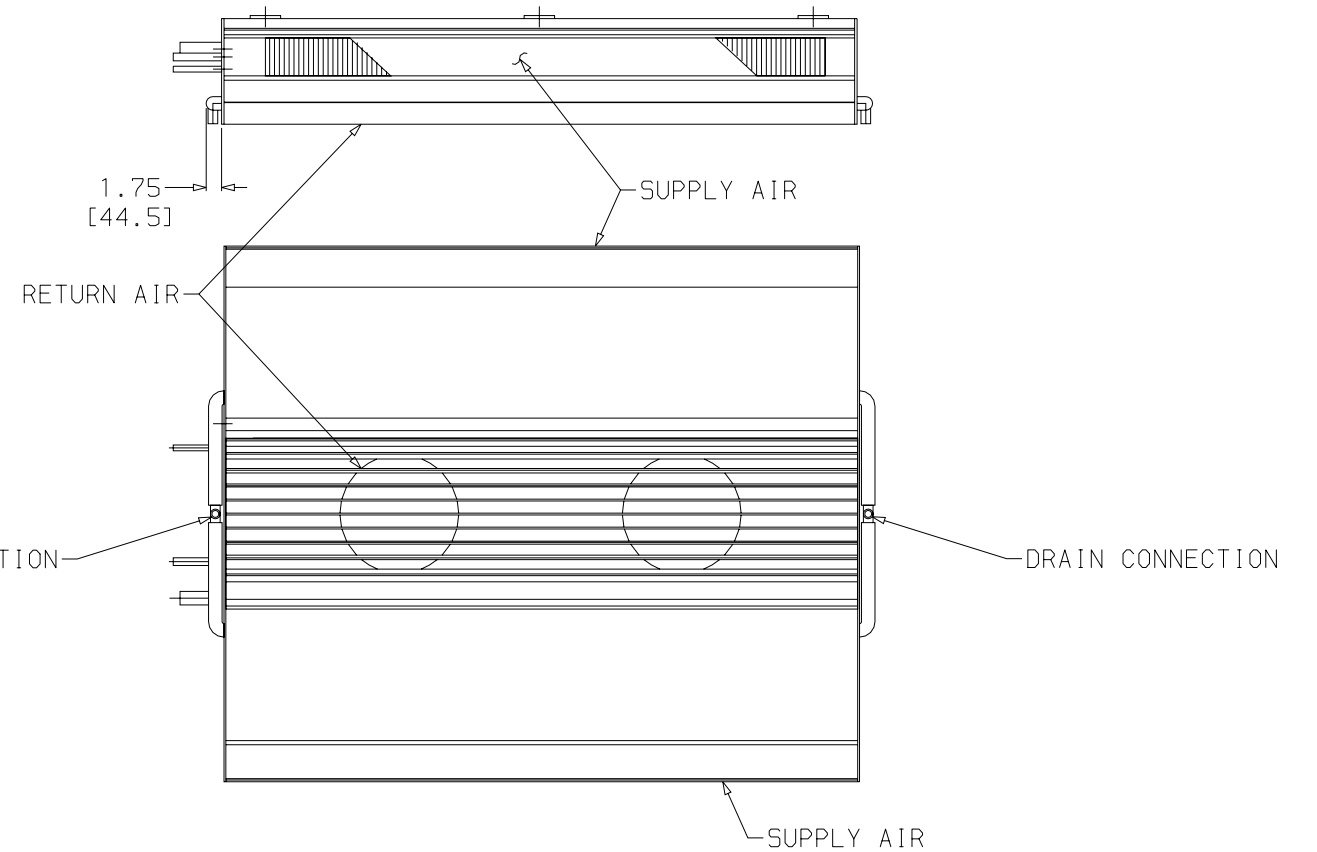
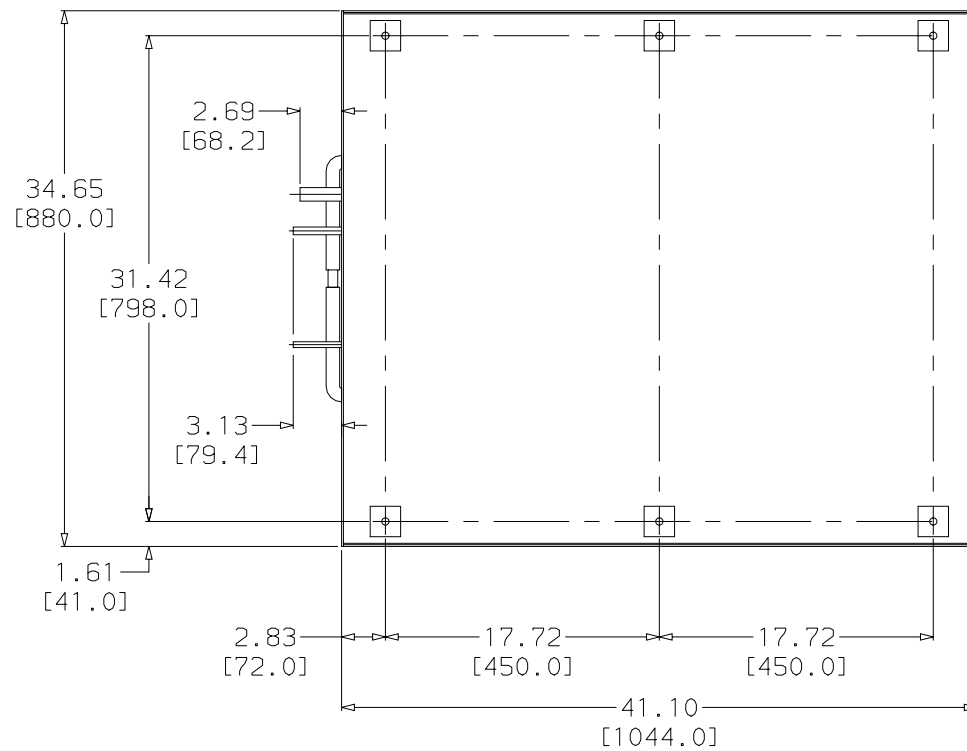
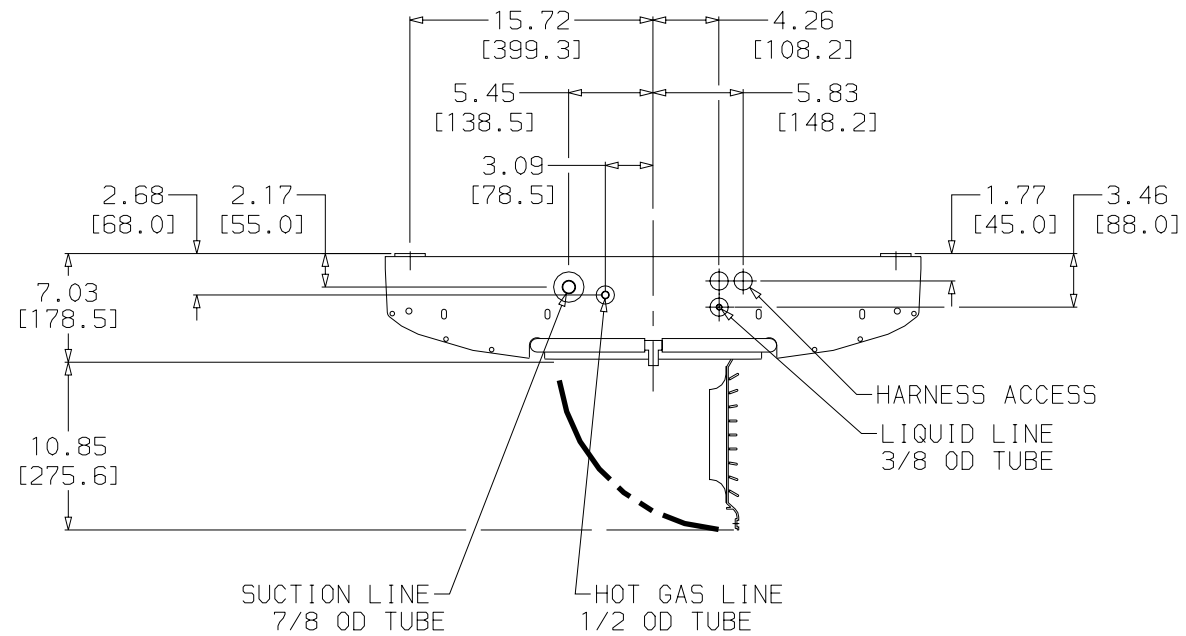
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CONVERSION CHART	
DECIMAL INCHES	FRACTIONAL INCHES
1.61	1-5/8
1.75	1-3/4
1.77	1-25/32
2.17	2-3/16
2.68	2-25/32
2.69	2-25/32
2.83	2-27/32
3.09	3-3/32
3.13	3-1/8
3.46	3-15/32
4.26	4-1/4
5.43	5-7/16
5.45	5-7/16
5.83	5-13/16
7.03	7-1/32
10.85	10-27/32
15.72	15-23/32
17.72	17-23/32
31.42	31-13/32
34.65	34-21/32
41.10	41-3/32

EVAPORATOR WEIGHT
MTD-1100 117lbs [53.1 Kg]



MTD-1100-2

SYM	REVISION RECORD	ENGRG.	DATE	APPLICATION ENGRG.	DATE	DRAWN BY	DATE
E	ADDED DRAIN CALLOUTS PER PCA72N2496P06					ZMG	23 OCT 2006
C	ADDED EVAPORATOR WEIGHT PER IPCA71N2006P04,SHT.36					MGC	3/15/04
B	PIC'T UPDATED TUBES; ADDED DIM'S: 3.09 & 2.68 CORRECTING HOT GAS LOCATION; ADDED DIM'S: 2.69 & 3.13; 1.77 WAS 1.56 PER PCA71N2046P03					MGC	2/26/03

SUPERSEDES	TITLE	DRAWING NO.	REV
	INSTALLATION INSTRUCTIONS GENESIS R90 - MTD/MTS REMOTE EVAPORATORS	98-03190 SHT. 8 OF	E



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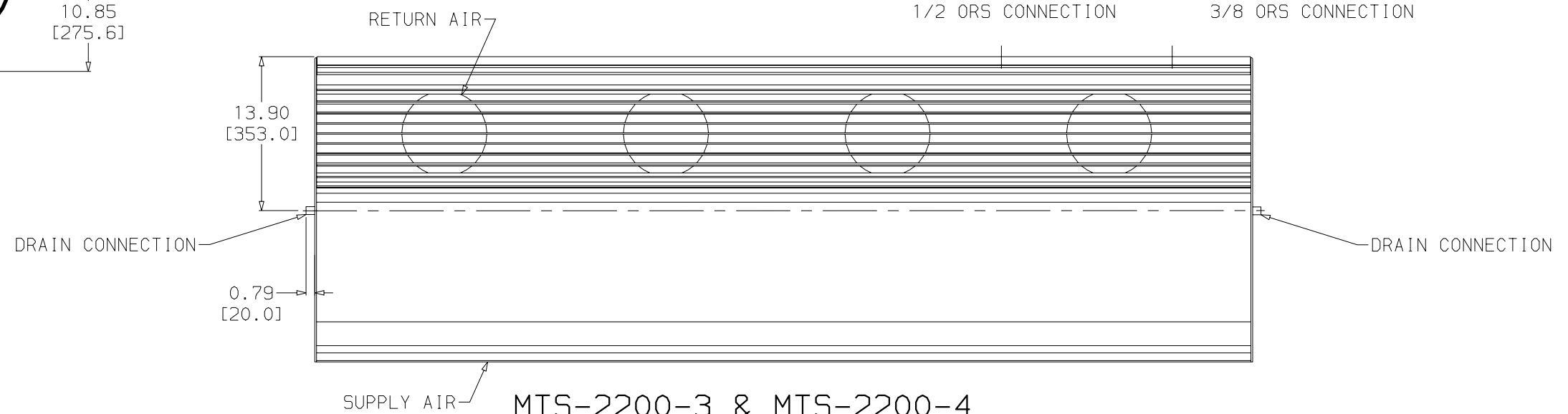
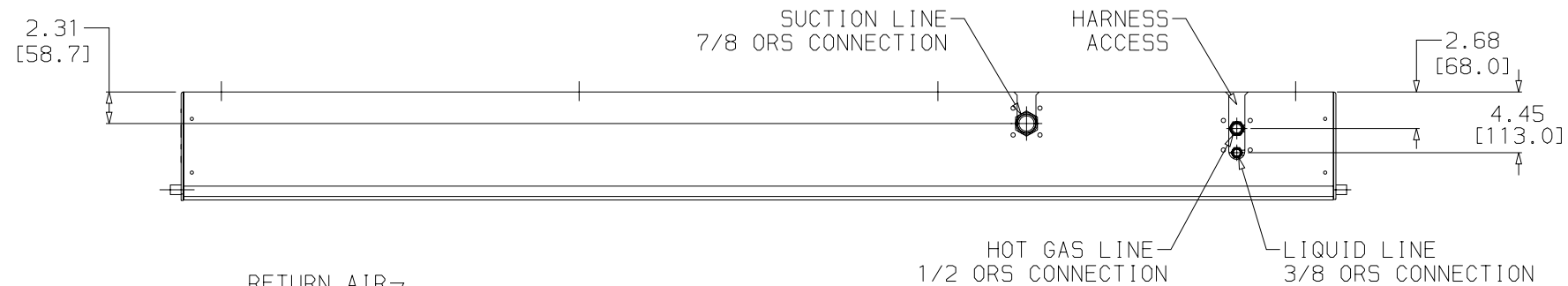
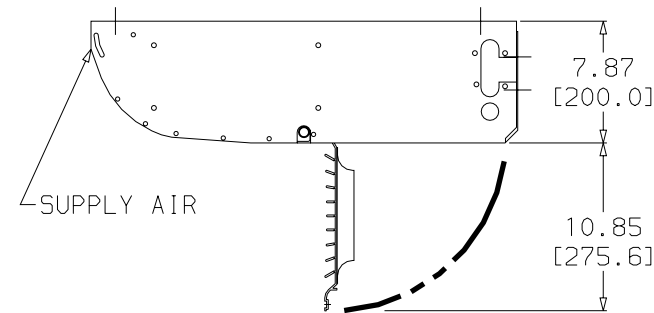
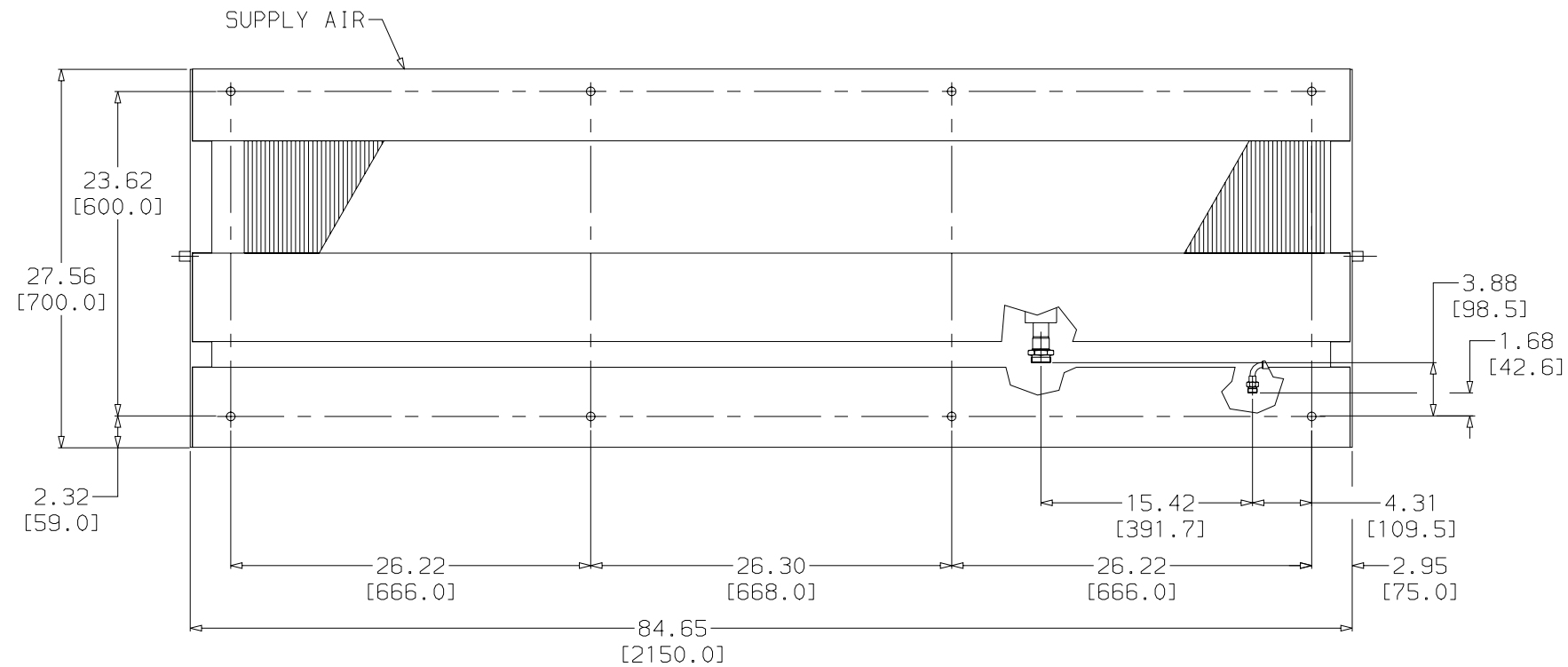
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EVAPORATOR WEIGHT
MMS-2200 207lbs [94.0 Kg]

CONVERSION CHART	
DECIMAL INCHES	FRACTIONAL INCHES
0.79	25/32
1.68	1-11/16
1.81	1-13/16
2.31	2-5/16
2.32	2-5/16
2.68	2-11/16
2.95	2-15/16
3.88	3-15/16
4.31	4-5/16
4.45	4-7/16
7.87	7-7/8
10.85	10-27/32
13.90	13-29/32
15.42	15-13/32
23.62	23-5/8
26.22	26-7/32
26.30	26-5/16
27.56	27-9/16
66.61	66-5/8
84.65	84-21/32



MTS-2200-3 & MTS-2200-4
(MTS-2200-4 SHOWN)

E	ADDED DRAIN CALLOUT PER PCA72N2496P06				ZMG	23 OCT 2006
C	ADDED EVAPORATOR WEIGHT PER IPCA71N2006P04,SHT.36				MGC	3/15/04
-	INITIAL RELEASE PER PCA718210G.				MGC	8-3-98
SYM	REVISION RECORD	ENGRG.	DATE	APPLICATION ENGRG.	DATE	DRAWN BY DATE

SUPERSEDES

TITLE

INSTALLATION INSTRUCTIONS
GENESIS R90 - MTD/MTS REMOTE EVAPORATORS

DRAWING NO.

98-03190
SHT. 9 OF

REV

E



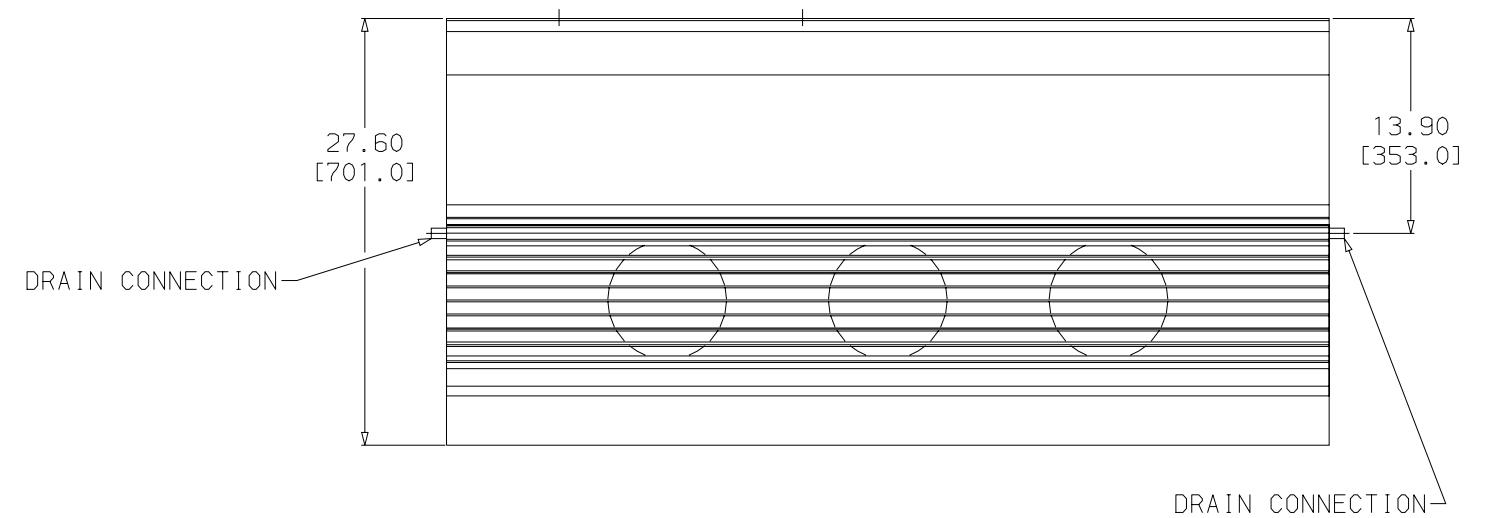
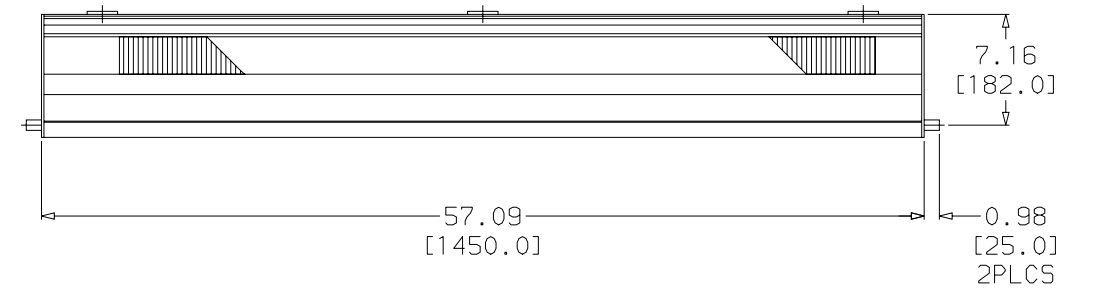
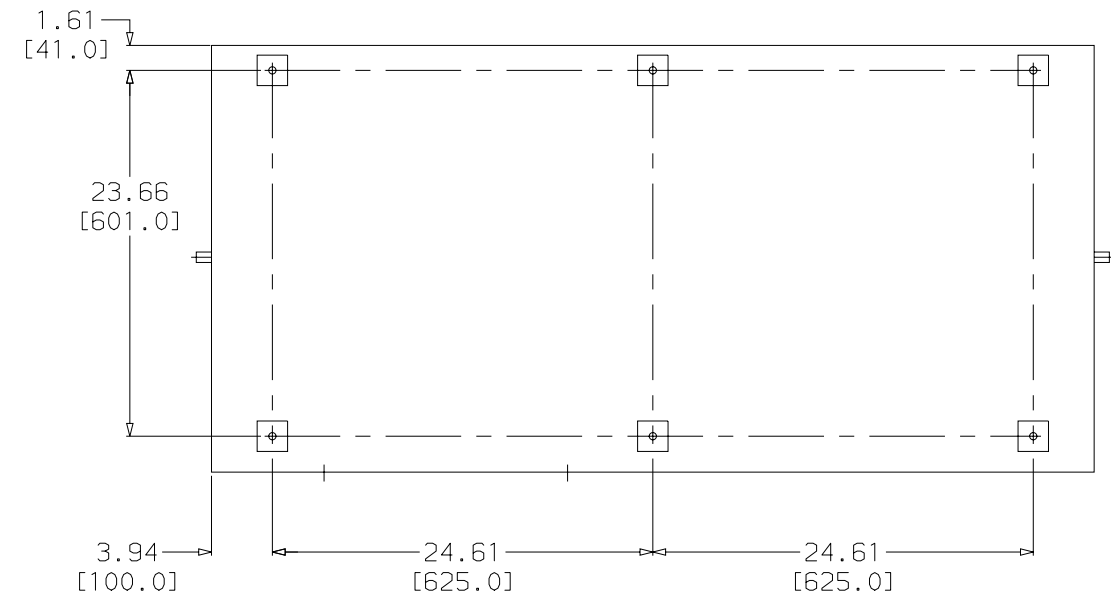
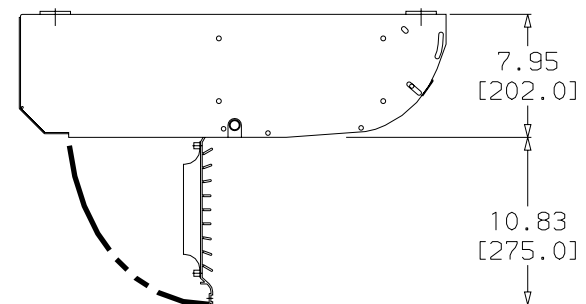
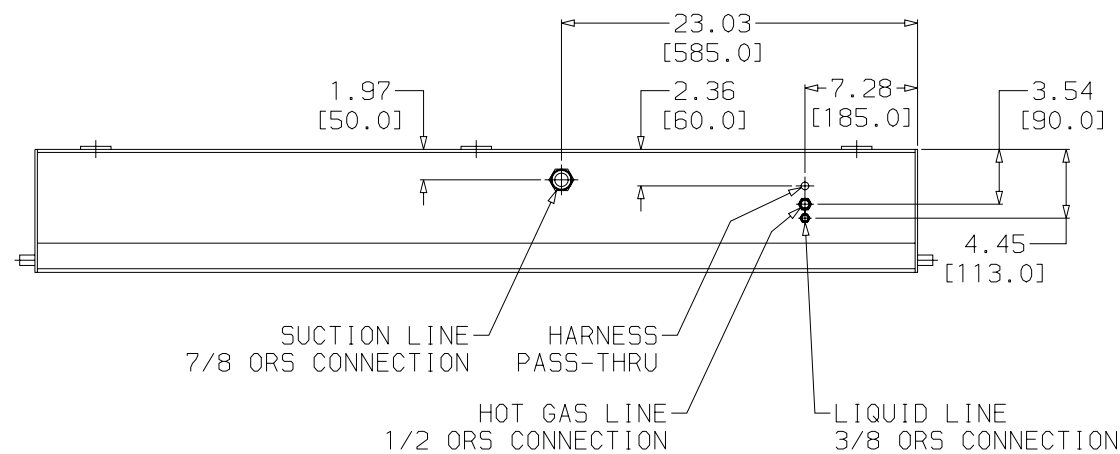
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CONVERSION CHART	
DECIMAL INCHES	FRACTIONAL INCHES
2.44	2-7/16
2.83	2-27/32
3.21	3-7/32
3.54	3-17/32
3.58	3-19/32
4.17	4-3/16
4.76	4-3/4
7.87	7-7/8
10.85	10-27/32
11.02	11-1/32
17.72	17-23/32
23.62	23-5/8
41.10	41-3/32



MTS-1450-3

E	ADDED DRAIN CALLOUT PER PCA72N249GP06					ZMG	23 OCT 2006
-	INITIAL RELEASE PER PCA718210G.					MGC	8-3-98
SYM	REVISION RECORD	ENGRG.	DATE	APPLICATION ENGRG.	DATE	DRAWN BY	DATE

SUPERSEDES

TITLE
INSTALLATION INSTRUCTIONS
GENESIS R90 - MTD/MTS REMOTE EVAPORATORS

DRAWING NO.
98-03190
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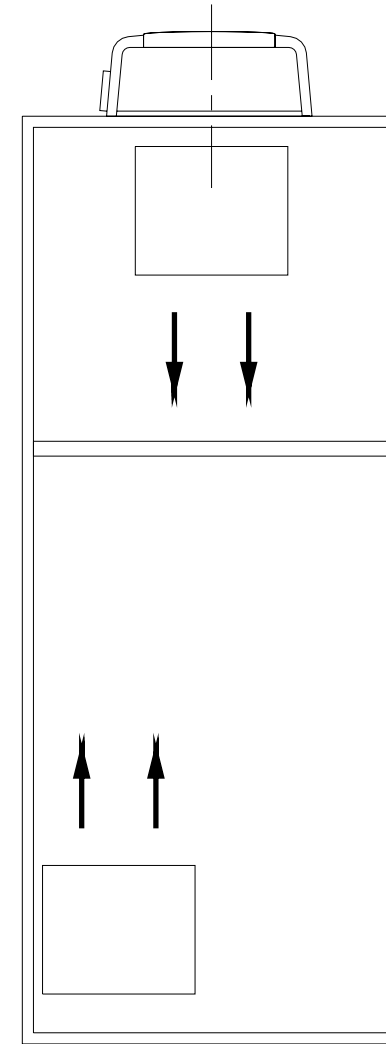
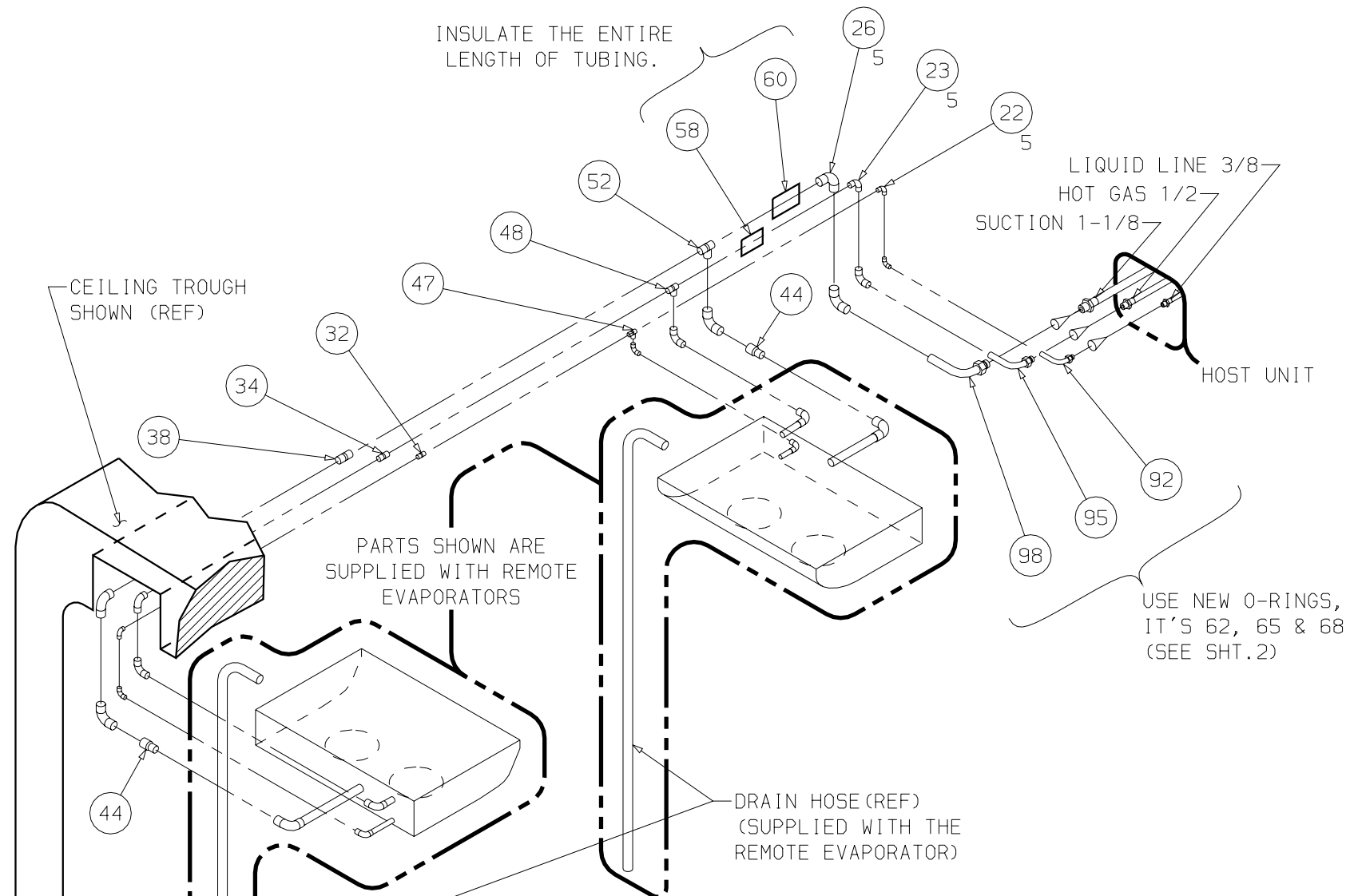


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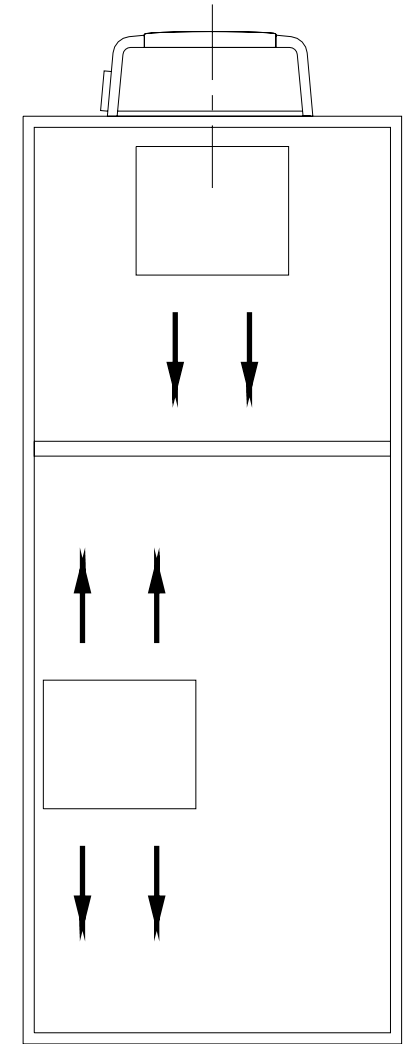
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SYSTEM A

2 MTS 1100-2 SINGLE DISCHARGE EVAP'S



SYSTEM B

1 MTS 1100-2 SINGLE DISCHARGE EVAP AND
1 MTD 1100-2 DUAL DISCHARGE EVAP

PIPING SCHEMATIC

SCHEMATIC FOR INFORMATION ONLY

EXACT PIPING TO BE DETERMINED BY REMOTE EVAPORATOR STYLE, APPLICATION AND LOCATION.

2 COMPARTMENT SYSTEMS WITH TWO 1100 SIZE REMOTE EVAPORATORS

B	PIC'T UPDATED TUBES FROM EVAP; ADDED IT'S: 22 & 23 PER PCA71N204GP03				MGC	2/26/03
SYM	REVISION RECORD	ENGRG.	DATE	APPLICATION ENGRG.	DATE	DRAWN BY DATE

SUPERSEDES

TITLE

INSTALLATION INSTRUCTIONS
GENESIS R90 - MTD/MTS REMOTE EVAPORATORS

DRAWING NO.
98-03190
SHT. 11 OF

REV
B

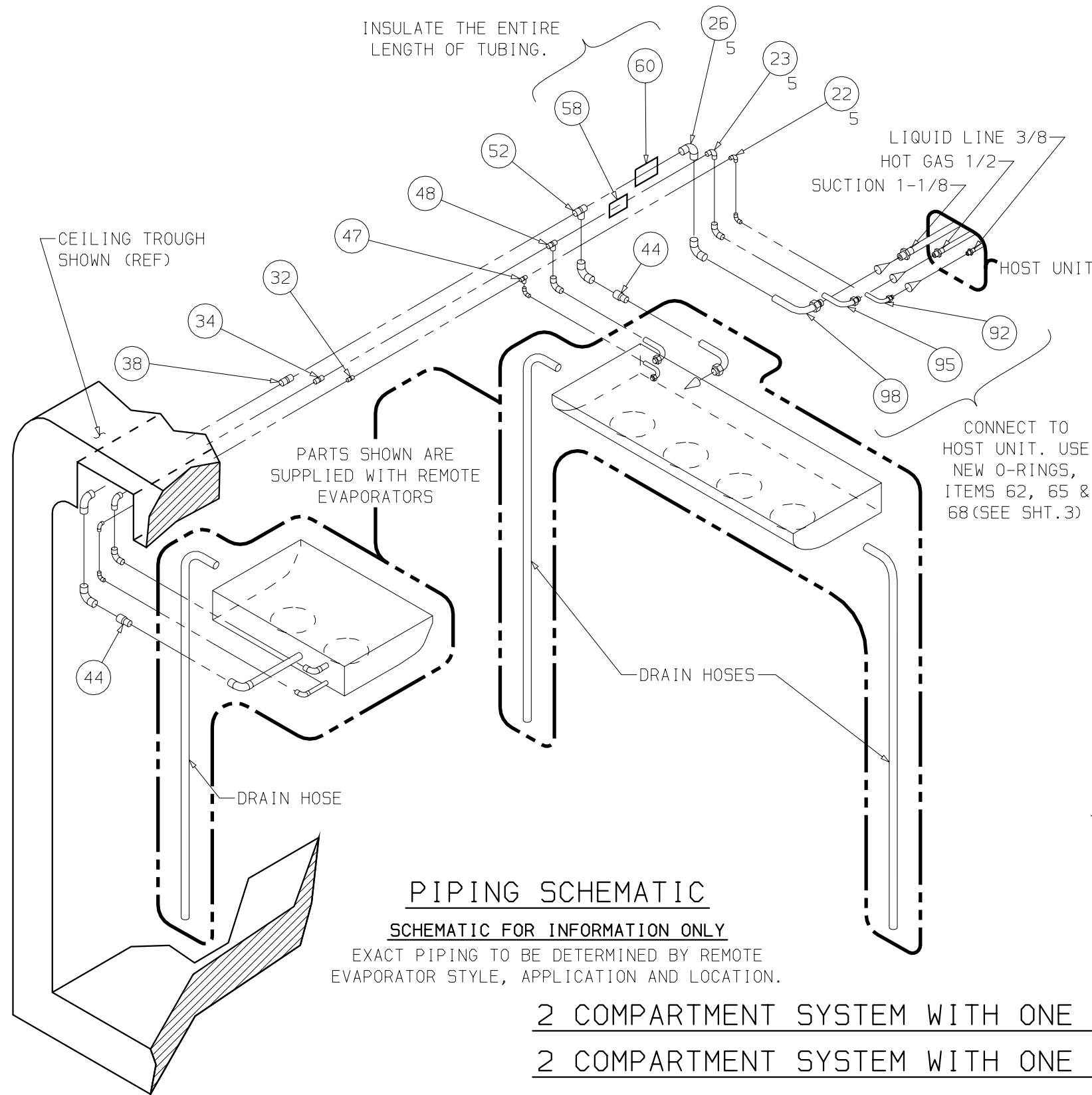


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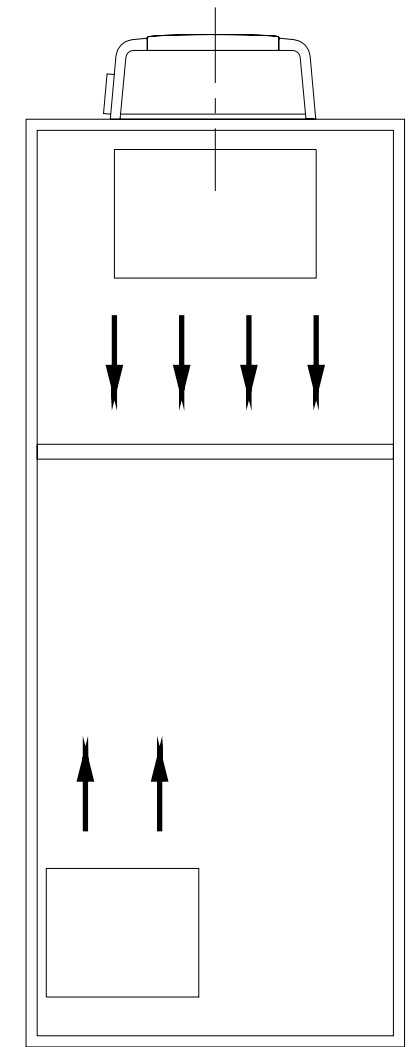
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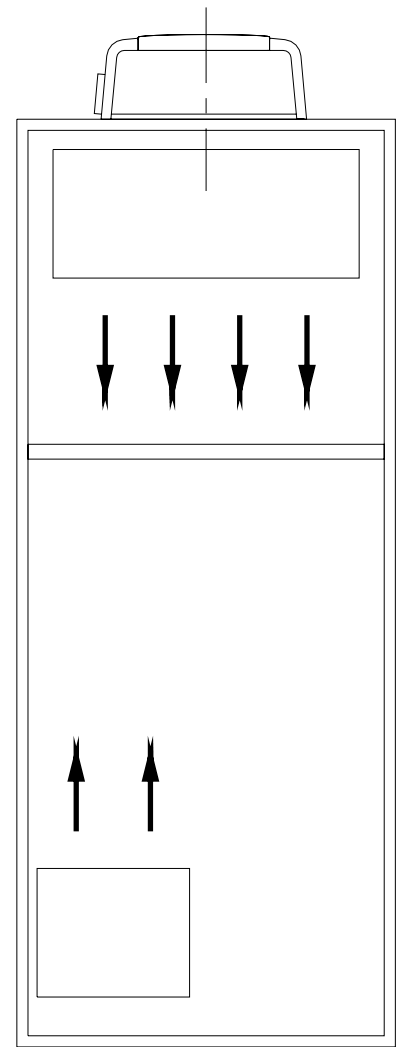


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SYSTEM C

1 MTS 1450-3 SINGLE DISCHARGE EVAP AND
1 MTS 1100-2 SINGLE DISCHARGE EVAP



SYSTEM SPECIAL A

1 MTS 2200-3 SINGLE DISCHARGE EVAP AND
1 MTS 1100-2 SINGLE DISCHARGE EVAP

2 COMPARTMENT SYSTEM WITH ONE 1100 & ONE 1450 SIZE SIZE REMOTE EVAPORATORS
2 COMPARTMENT SYSTEM WITH ONE 1100 & ONE 2200 SIZE SIZE REMOTE EVAPORATORS

B	PICT UPDATED TUBES FROM EVAP; ADDED IT'S: 22 & 23 PER PCA71N2046P03					MGC	2/26/03
-	INITIAL RELEASE PER PCA718210G					MGC	7-28-98
SYM	REVISION RECORD	ENGRG.	DATE	APPLICATION ENGRG.	DATE	DRAWN BY	DATE

SUPERSEDES	TITLE	INSTALLATION INSTRUCTIONS GENESIS R90 - MTD/MTS REMOTE EVAPORATORS	DRAWING NO. 98-03190 SHT. 12 OF	REV B
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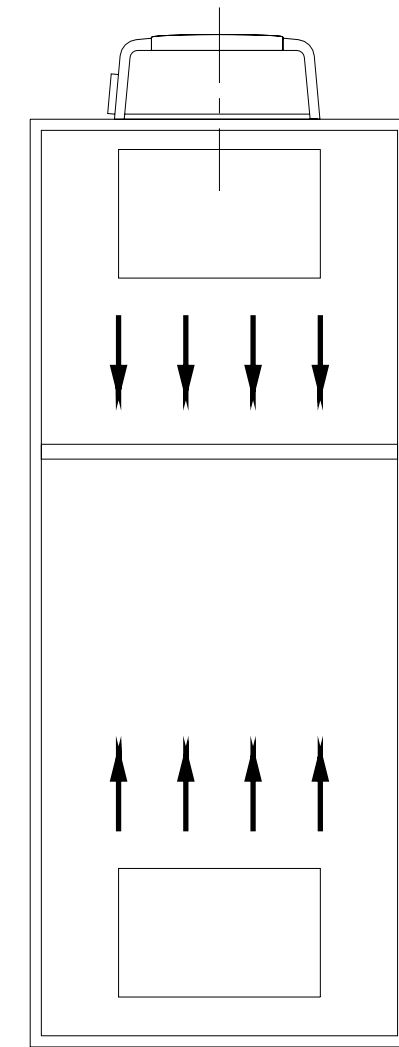
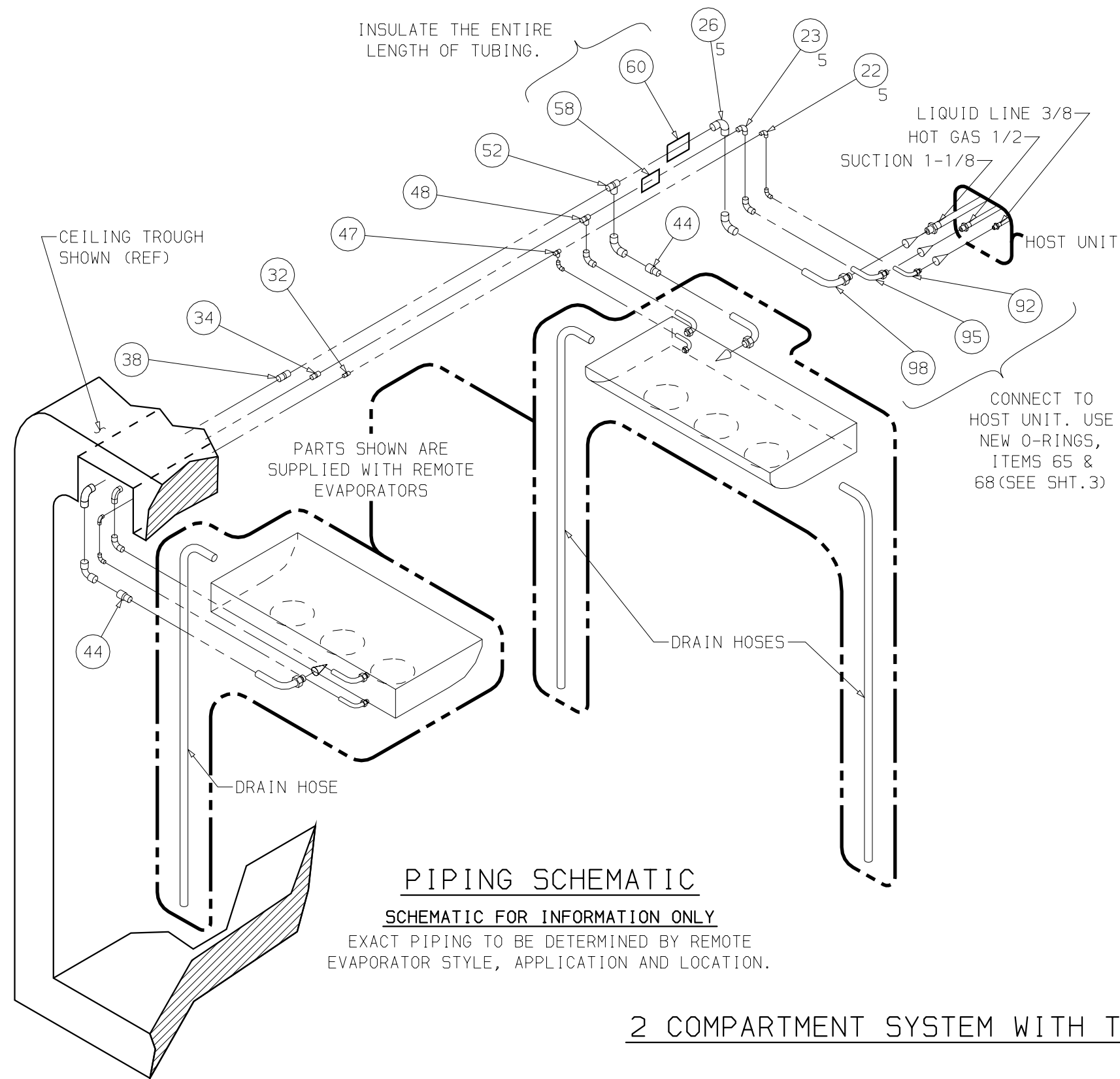


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SYSTEM SPECIAL B

2 MTS 1450-3 SINGLE DISCHARGE EVAP'S

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EVAPORATOR STYLE, APPLICATION AND LOCATION.

2 COMPARTMENT SYSTEM WITH TWO 1450 SIZE SIZE REMOTE EVAPORATORS

B	ADDED IT'S: 22 & 23 PER PCA71N2046P03					MGC	2/26/03
-	INITIAL RELEASE PER PCA718210G					MGC	7-28-98
SYM	REVISION RECORD	ENGRG.	DATE	APPLICATION ENGRG.	DATE	DRAWN BY	DATE

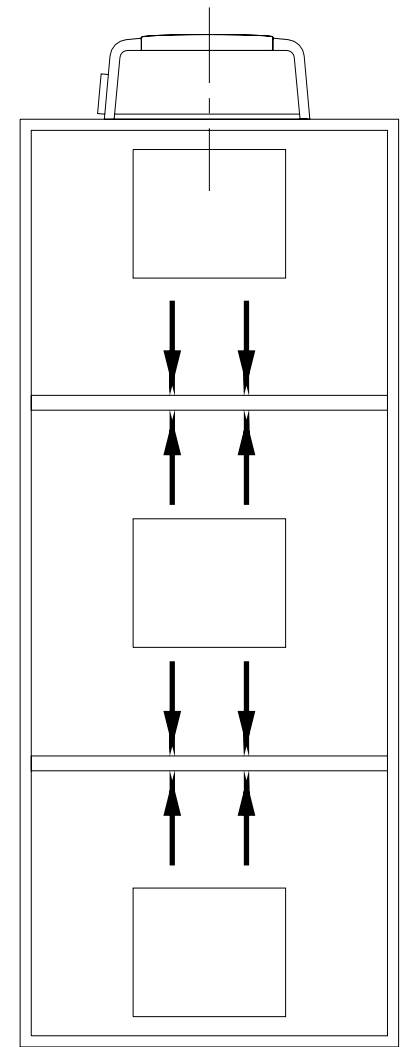
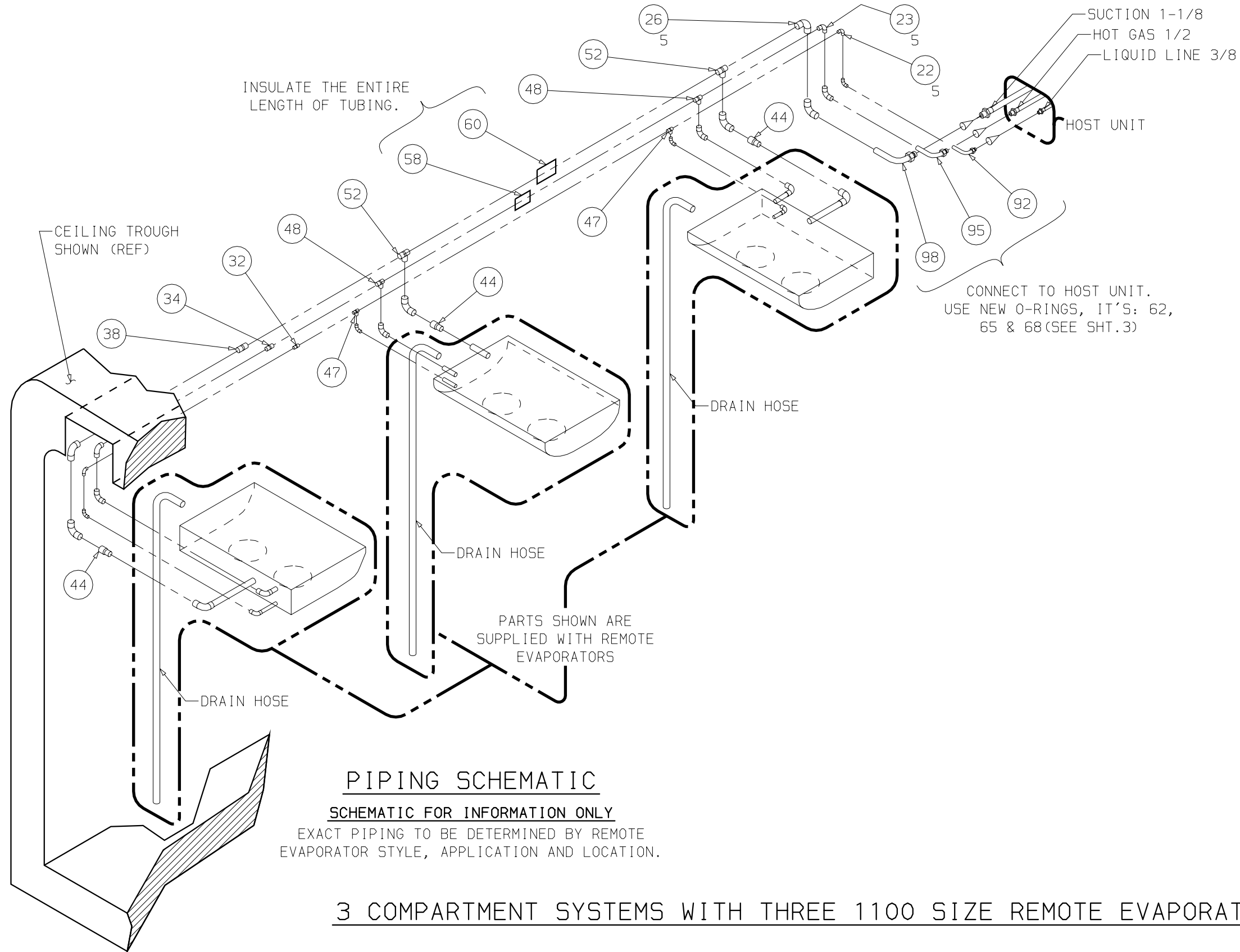
SUPERSEDES

TITLE

INSTALLATION INSTRUCTIONS
GENESIS R90 - MTD/MTS REMOTE EVAPORATORS

DRAWING NO.
98-03190
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REV
B



SYSTEM D

2 MTS 1100-2 SINGLE DISCHARGE EVAP AND
1 MTD 1100-2 DUAL DISCHARGE EVAP

PIPING SCHEMATIC

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EXACT PIPING TO BE DETERMINED BY REMOTE EVAPORATOR STYLE, APPLICATION AND LOCATION.

3 COMPARTMENT SYSTEMS WITH THREE 1100 SIZE REMOTE EVAPORATORS

B	PICT UPDATED TUBES FROM EVAP; ADDED IT'S: 22 & 23 PER PCA71N2046P03					MGC	2/26/03
-	INITIAL RELEASE PER PCA718210G					MGC	7-28-98
SYM	REVISION RECORD	ENGRG.	DATE	APPLICATION ENGRG.	DATE	DRAWN BY	DATE

SUPERSEDES

TITLE

INSTALLATION INSTRUCTIONS
GENESIS R90 - MTD/MTS REMOTE EVAPORATORS

DRAWING NO.
98-03190
SHT. 14 OF

REV
B

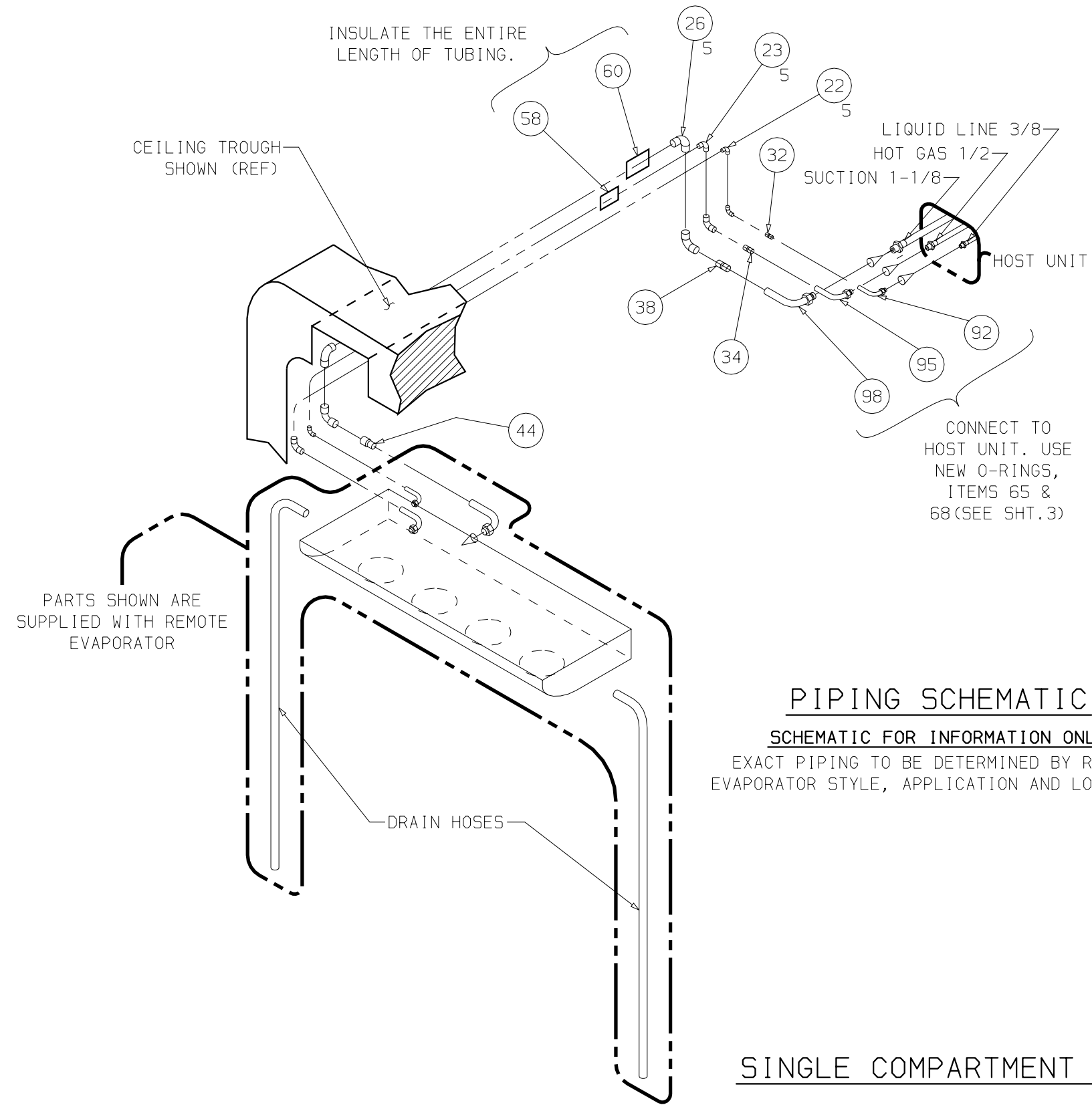


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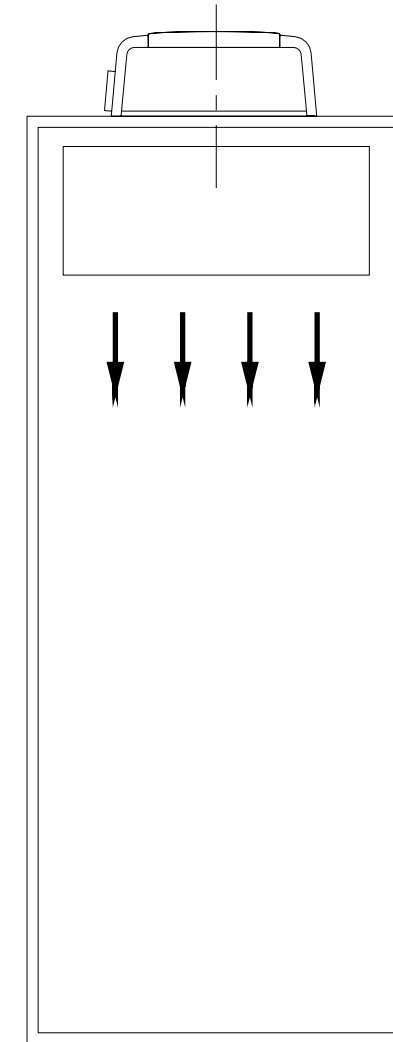
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EVAPORATOR STYLE, APPLICATION AND LOCATION.



SYSTEM SPECIAL C

1 MTS 2200-4 SINGLE DISCHARGE EVAP

SINGLE COMPARTMENT SYSTEM

B	ADDED IT'S: 22 & 23 PER PCA71N2046P03					MGC	2/26/03
-	INITIAL RELEASE PER PCA718210G					MGC	7-28-98
SYM	REVISION RECORD	ENGRG.	DATE	APPLICATION ENGRG.	DATE	DRAWN BY	DATE

SUPERSEDES	TITLE
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INSTALLATION INSTRUCTIONS
GENESIS R90 - MTD/MTS REMOTE EVAPORATORS

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