Carrier TRANSICOLD
United Technologies

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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.

1.0 SELECT LOCATION FOR REMOTE EVAPORATOR WHICH OPTIMIZES AIR CIRCULATION.

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

2.0 TRAILER MANUFACTURER TO PROVIDE SMOOTH FLAT SURFACE IN SAME PLANE TO ACCEPT MOUNTING OF EVAPORATOR. INSTALL REMOTE EVAPORATOR. SEE TRAILER PREPARATION SHEET 3.

3.0 THE EVAPORATOR(S) SHOULD BE MOUNTED WITH 1/2-13UNC (GRADE 5) CEILING MOUNTED STUDS PER EVAPORATOR DRAWING LOCATIONS. EVAPORATORS ARE DELIVERED WITH 16MM(0.63) HOLES.
- 3.1 IMPORTANT: ON AN 1100 EVAPORATOR, SHIMS(ITEM 105) 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 ON THE DRAINING SIDE OF THE EVAPORATOR AND ONE(1) SHIM INSTALLED ON THE CENTER MOUNTING STUDS. NO SHIMS ARE REQUIRED ON THE STUDS LOCATED FARTHEST FROM THE DRAIN SIDE OF THE EVAPORATOR. AN ADDITIONAL TWO (2) SHIMS ARE PROVIDED FOR SPECIAL MOUNTING APPLICATIONS (I.E. MOUNTING AN EVAPORATOR GUARD)
- 3.2 FOR 1100 EVAPORATORS ONLY, THE TWO (2) CENTER MOUNTING STUDS ARE NOT REQUIRED WHEN 1/2-13 STUDS ARE USED FOR THE FOUR (4) CORNER MOUNTING LOCATIONS.

4.0 TROUGH LOCATIONS:
- 4.1 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 THE EVAPORATOR TO DIRECTLY ENTER TROUGH BEFORE MAKING THE FIRST BEND TOWARD THE HOST UNIT.
- 4.2 IF A CEILING TROUGH IS USED, THE TROUGH SHOULD CONTINUE TO WITHIN 6 INCHES FROM THE REAR OF A SINGLE DISCHARGE EVAPORATOR.
- 4.3 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.
- 4.4 TROUGH SHOULD BE DESIGNED WITH MATERIAL TO STRUCTURALLY PROTECT REFRIGERANT AND ELECTRICAL LINES.

5.0 FOR TIGHT FIT APPLICATIONS FOR THE DUAL DISCHARGE REMOTE EVAPORATOR APPLICATIONS, SUCH AS 2200'S IN 96" WIDE TRAILERS, AND APPLICATIONS WHERE THE MINIMUM 3" IS NOT AVAILABLE, THE FOLLOWING SPECIAL INSTALLATION INSTRUCTIONS ARE RECOMMENDED.
- 5.1 BEFORE INSTALLING THE REMOTE EVAPORATOR, MEASURE AND INSTALL PIPING FROM THE EVAPORATOR. THE RADIUS OF THE 90° ELBOW SHOULD STAY INSIDE THE EVAPORATOR AND BE AS CLOSE TO THE UNIT AS POSSIBLE, WHILE LEAVING ENOUGH ROOM FOR THE INSULATION. A 7/8" OD SUCTION LINE FOR THE FIRST THREE FEET (APPROXIMATELY) MAY ASSIST IN THE UNIT FIT; THEN TRANSITION TO THE 1-1/8" OD SUCTION LINE.
- 5.2 REMOVE THE CONDENSATE LINE FROM THE END OF THE EVAPORATOR OPPOSITE THE REFRIGERANT LINES. DISCONNECT AND REMOVE THE 12VDC-RESISTANCE WIRE FROM SAME SIDE OF THE EVAPORATOR.
- 5.3 USE TWO CAP PLUGS(ITEM 95) AND SEAL THE DRAIN PAN OUTLET FROM THE OPENING CREATED WHEN REMOVING THE CONDENSATE LINES.
- 5.4 FIT SHIMS(ITEM 105) UNDER THE MOUNTING BOLTS IN ORDER TO TILT THE EVAPORATOR 3/4" ON THE SIDE THAT THE CONDENSATE WILL DRAIN. THIS WILL ALLOW CONDENSATE TO EFFECTIVELY DRAIN TO ONE SIDE OF THE UNIT.

6.0 REFRIGERANT LINE SIZES
- ⚠ 6.1 THE HOST UNIT HAS A 1-1/8" SUCTION LINE CONNECTION. WHEN CONNECTING ANY EVAPORATOR,RUN THE ENTIRE LENGTH OF THE SUCTION LINE WITH 1-1/8" PIPE.
- 6.2 THE REMOTE EVAPORATORS ARE SHIPPED FROM THE FACTORY WITH A LOW PRESSURE NITROGEN GAS CHARGE. BEFORE MAKING CONNECTION TO THE REMOTE EVAPORATOR, CAREFULLY REMOVE THE PLUGS FROM THE TUBES AND ADJUST THE TUBE LENGTHS FROM THE EVAP. AS DESIRED.
- 6.3 THE HOST UNIT HAS A 3/8" LIQUID LINE CONNECTION. WHEN CONNECTING ANY EVAPORATOR,RUN THE ENTIRE LENGTH OF THE LIQUID LINE WITH 3/8" PIPE.
- 6.4 THE SUCTION LINE AND LIQUID LINE MUST BE INSULATED.

⚠ CAUTION: DISCONNECT ALL BATTERIES BEFORE WORKING ON ELECTRICAL SYSTEM, DISCONNECT STANDBY PLUG, LOCK OUT/TAGOUT.

7.0 ELECTRICAL CONNECTIONS
- 7.1 THE EVAPORATOR FANS AND HEATERS OPERATE ON 460V (NOMINAL), 3 PHASE POWER, HIGH VOLTAGE HARNESS INSIDE THE UNIT IS ORANGE IN COLOR.
- 7.2 THE 1100 EVAPORATOR USES ONLY ONE DRAIN WIRE RESISTER(DWR). ROUTE THE DRAIN WIRE TO THE APPROPRIATE SIDE OF THE EVAPORATOR AND OUT THE DRAIN TUBE. TIE THE EXCESS DRAIN WIRE EITHER TO THE SUCTION LINE ON ONE END OR THE WIRE HARNESS ON THE OPPOSITE END WITH ITEM 80 TO KEEP IT OUT OF THE FAN.
- 7.3 THE WIRING HARNESSES FOR THE REMOTE EVAPORATOR SHOULD BE RUN ALONG WITH THE SUCTION AND LIQUID LINE TO THE HOST UNIT.

CAUTION: WHEN ROUTING HARNESS, CLAMP THE HARNESS EVERY 12" AND AVOID CHAFING WITH TROUGH, TROUGH COVER AND EVAPORATOR FRAME. CUT HARNESS TO LENGTH AT EVAPORATOR END. DON'T KINK WIRES, DON'T FOLD HARNESS OVER INTO TROUGH AND DON'T CLAMP 12V CABLE AND 460V CABLE TOGETHER WITH THE SAME CLAMP.

NOTE: STRIP WIRE ENDS 0.25[6.4] BEFORE INSERTING INTO ELECTRICAL CONNECTOR.

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

Ⓒ CAUTION: THE CONNECTORS AND HARNESS IN THE HOST UNIT SHOULD BE SECURED AND TIE WRAPPED TO PREVENT CHAFFING AGAINST BACK PANEL AND ANY OTHER SURFACES THE HARNESS MAY CONTACT.

- 7.4 USE THE RING TERMINAL SUPPLIED (ITEM 8), AND PROPER CRIMPING TOOL (07-00519-00) FOR THE GROUND WIRE IN THE CABLE FOR EACH EVAPORATOR. (REF. SERVICE TOOL CATALOG)
- 7.5 COMPLETE ALL ELECTRICAL CONNECTIONS ON THE REMOTE EVAPORATOR PER WIRING INSTRUCTIONS ON SHEET 9 & 10.
- 7.6 IF A REAR MOUNTED REMOTE CONTROL/INDICATOR PANEL IS USED, THE CONTROL CABLE MAY BE RUN WITH THE SUCTION, LIQUID LINE AND THE EVAPORATOR WIRE HARNESS TO THE HOST UNIT.

8.0 REFRIGERANT CONNECTIONS:
- ⚠ 8.1 IT IS MANDATORY THAT NITROGEN PURGE BRAZE TECHNIQUES ARE USED ON EVERY BRAZE TUBING JOINT. THIS TECHNIQUE ELIMINATES OXIDATION FROM THE BRAZE JOINTS. INTERNAL OXIDATION WILL REDUCE SYSTEM RELIABILITY.

CAUTION: THE KING VALVE AND DISCHARGE SERVICE VALVE MUST REMAIN FRONT SEATED UNTIL THE REMOTE EVAP REFRIGERATION CONNECTIONS ARE COMPLETED AND THE LOW SIDE OF THE SYSTEM IS EVACUATED.

- 8.2 PLACE START RUN SWITCH (SROS) IN OFF POSITION.
- 8.3 MAKE ALL ELECTRICAL CONNECTIONS TO REMOTE EVAPORATOR BEFORE BRAZING (SEE SECTION 7).

NOTE: TO PROPERLY PURGE NITROGEN THROUGH REMOTE EVAPORATORS AND TUBING, THE ELECTRICAL CONNECTIONS NEED TO BE COMPLETE AND PROPER COMMUNICATION WITH THE HOST NEEDS TO BE ESTABLISHED. ADDITIONALLY, THE PROPER MODEL NUMBERS FOR THE HOST UNIT AND REMOTE COMPARTMENTS NEED TO BE LOADED INTO THE CONFIGURATION OF THE UNIT SETUP BEFORE ENTERING SERVICE MODE.

- 8.4. CONNECT A GAUGE TO THE SUCTION SERVICE VALVE GAUGE PORT AND MID-SEAT THE SUCTION SERVICE VALVE.
- 8.5. IF THE PRESSURE EXCEEDS 10 PSIG, CONNECT LOW SIDE TO REFRIGERANT RECLAIM DEVICE AND RECLAIM UNTIL LOW SIDE PRESSURE IS BELOW 10 PSIG.
- 8.6. ONCE THE PRESSURE IS SAFE, REMOVE THE KING VALVE CAP AND THE GAUGE FROM THE SUCTION SERVICE GAUGE PORT.
- ⚠ 8.7. DISCONNECT THE STARTER BY REMOVING THE BLACK CONNECTOR LOCATED ON TOP OF THE STARTER NEXT TO POSITIVE BATTERY CABLE TERMINAL, TURN SROS TO RUN POSITION, PLACE UNIT IN DIESEL MODE, TURN COMPARTMENT 2 AND COMPARTMENT 3 OFF VIA THE DISPLAY MODULE.ENTER ADVANCE USER MODE THEN ENTER TECH MODE. PUT THE UNIT INTO SERVICE MODE. THE MICRO DISPLAY WILL SHOW, "ENTERING SERVICE MODE".THE HOST EVXV(S), CSMV, ECON EEV AND REMOTE EVXVS WILL OPEN TO 100% ONCE THEY ARE OPEN THE MICRO WILL SHOW "RECOVER/LEAK CHK/EVAC MODE" AFTER "RECOVER/LEAK CHK/EVAC MODE IS DISPLAYED,ATTACH A HANDHELD STEPPER CONTROLLER TO THE ECONOMIZER EEV AND STEP THE ECONOMIZER EEV CLOSED WHILE IN SERVICE MODE WHEN "RECOVER/LEAK CHK/EVAC MODE IS DISPLAYED".

NOTE: CLOSING THE ECON EEV ENSURES THAT THE NITROGEN PURGE OPERATION ISN'T SHORT CYCLED AND BYPASSED BACK TO THE LOW SIDE OF SYSTEM VIA COMPRESSOR PORTING. LEAVE ECON EEV IN CLOSED POSITION DURING NITROGEN PURGE.

NOTE: THE SROS SWITCH MUST REMAIN ON DURING THIS PROCESS OR THE UNIT WILL AUTOMATICALLY EXIT SERVICE MODE AND CLOSE ALL OF THE VALVES.

- 8.8. CONNECT NITROGEN GAS AND PURGE INTO KING VALVE. ALLOW GAS TO FLOW THROUGH THE LOW SIDE OF THE SYSTEM AND OUT THE SUCTION SERVICE VALVE GAUGE PORT.

CAUTION: FLOW SHOULD BE MINIMAL IN ORDER TO MAKE PROPER BRAZING CONNECTION WITHOUT JOINT BLOWOUT AND TO SAFELY REMOVE THE LIQUID AND SUCTION LINE CAPPED TUBES FOR CONNECTION TO THE REMOTE EVAPORATOR.

- 8.9. UNBRAZE CAPPED TUBES FROM HOST UNIT LIQUID AND SUCTION CONNECTIONS AT ROADSIDE TOP REAR OF UNIT,
- 8.10. FIT COPPER LINES FROM HOST UNIT CONNECTIONS TO REMOTE EVAP AND VERIFY NITROGEN GAS PURGE IS PRESENT THROUGH ALL BRAZE CONNECTIONS.

NOTE: IF INADEQUATE NITROGEN FLOW IS PRESENT AT REMOTE BRAZE CONNECTION WITHIN TRAILER, IT MAY BE BENEFICIAL TO STEP CLOSE THE HOST EEV(S) WITH A HANDHELD CONTROLLER TO FORCE MORE NITROGEN GAS FLOW TO REMOTE LIQUID LINE.

- 8.11. ONCE ALL BRAZE CONNECTIONS ARE COMPLETED, OPEN THE ECON EEV WITH HANDHELD STEPPER DRIVE AND PLUG THE ECONOMIZER EEV BACK INTO THE UNIT HARNESS. IN ADDITION, IF HOST EEV WAS MANUALLY CLOSED, OPEN BACK UP AND LEAK CHECK THE LOW SIDE OF THE SYSTEM.
- 8.12. AFTER LEAK CHECK, EVACUATE THE LOW SIDE OF THE SYSTEM FROM THE KING VALVE AND THE SUCTION SERVICE VALVE GAUGE PORT. DURING EVACUATION THE MICRO DISPLAY WILL SHOW "EVAC/CHARGE MODE". EVACUATE TO 500 MICRONS.
- 8.13. AFTER EVACUATION IS COMPLETE OPEN THE KING VALVE.
- 8.14. AS THE PRESSURE RISES IN THE LOW SIDE OF THE SYSTEM, THE HOST EVXV, CSMV, AND REMOTE EVXVS WILL ALL CLOSE AND THE MICRO DISPLAY WILL SHOW "CHARGE MODE - HOLD = TO EXIT THE = MUST BE PRESSED AND HELD FOR SIX SECONDS TO EXIT THIS MODE."
- 8.15. REMOVE GAUGES, BACKSEAT ALL SERVICE VALVES, REINSTALL SERVICE VALVE CAPS.
- 8.16. SEE SERVICE MANUAL FOR ADDITIONAL INFORMATION.

9.0 DRAIN TUBE CONNECTIONS:
- 9.1 DEFROST DRAIN TUBES PROVIDED BY THE TRAILER MANUFACTURER SHOULD BE CENTERED ON THE EVAPORATOR AND PLACED 10 TO 11 INCHES FROM THE CEILING. A 7/8"I.D./ 15/16"O.D. DRAIN TUBE IS SUPPLIED FOR CONNECTION OF THE REMOTE EVAPORTOR 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 BODY BUILDER 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. USE 2 SHIMS UNDER BOLT CLOSEST TO WALL, ONE SHIM ON CENTER BOLT AND NO SHIMS ON BOLT IN CENTER OF TRAILER.
- ⚠ 9.3 THE 2200 WIDTH EVAPORATOR USES BOTH DEFROST DRAINS.

Ⓓ ⚠ 10.0 MICROPROCESSOR CONFIGURATION: SET MICROPROCESSOR CONFIGURATION "C2 EVAP" AND "C3 EVAP" TO THE PROPER MODELS. SET HOST MODEL NUMBER TO DESIGNATE UNIT AS A 2 OR 3 COMPARMENT CONFIGURATION.

11.0 REMOTE EVAPORATOR IS SHIPPED WITH 5 PSI NITROGEN AND EXV(S) POSITIONED OPEN.

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

Ⓓ 13.0 THIS DOCUMENT PROVIDES DETAILED INFORMATION REGARDING THE COPPER FOR INSTALLATIONS.

CTD PART NUMBER	U.S. ECCN	DESCRIPTION
98-03339-00	EAR99	2 COMP. SYS. 1,2,3 & 4
98-03339-01	EAR99	3 COMP. SYS. 5,6 &7
98-03339-02	EAR99	3 COMP. SYS 13,14,15 & 16
98-03339-03	EAR99	3 COMP, VCD

CONTENTS	SHEET

SEE SEPARATE PARTS LIST

SHEET INDEX	REV	D	A	A	D	B	D	A	A	A	A	D	D	D	D	D	D
	SHEET	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

⚠ CRITICAL INFORMATION FOR UNIT INSTALLATION.

SYM	REVISION RECORD	DATE	BY	ENGR.	M.E.	NPCA NO.
D	ADDED -03 TO CHART; UPDATED TITLE BLK QUALIFIER; REMOVED SHT 13; RENUMBED REMAINING SHTS; SEE SHTS 4,6,11 THRU 16	21JAN2020	KFV	KS		ECN1132619
C	ADDED CAUTION NOTE: "THE CONNECTORS AND HARNESS IN THE...".	24 JAN 2019	LT-SN	AB		72N0282P18

THIRD ANGLE PROJECTION

IMPERIAL INCH FORMAT:
UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES WITH
METRIC CONVERSIONS IN [MILLIMETERS]

TITLE: INSTALLATION INSTRUCTIONS
VECTOR MT REMOTE EVAPORATORS

DRAWING NO. 98-03339 SHEET 1 OF 16

REV D

SUPERSEDES:

PART CLASSIFICATION: US SEE CHART

DRAWING CLASSIFICATION: US EAR99

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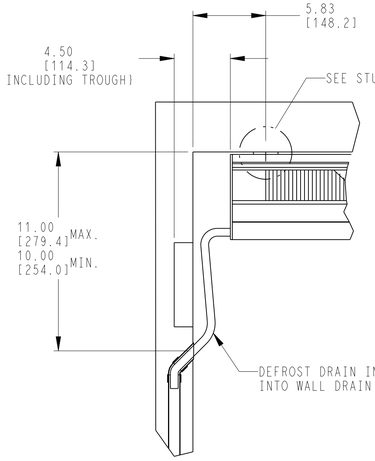
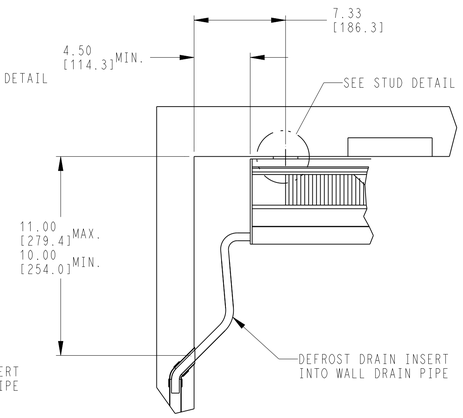


WALL TROUGH



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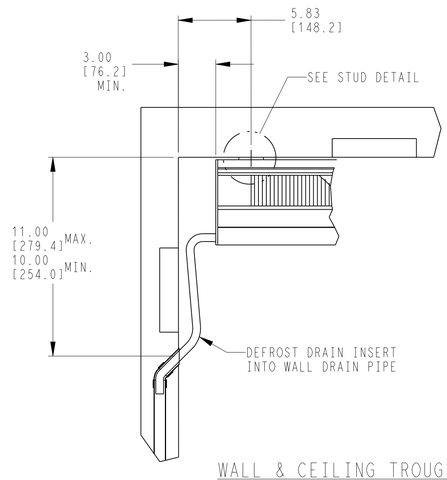
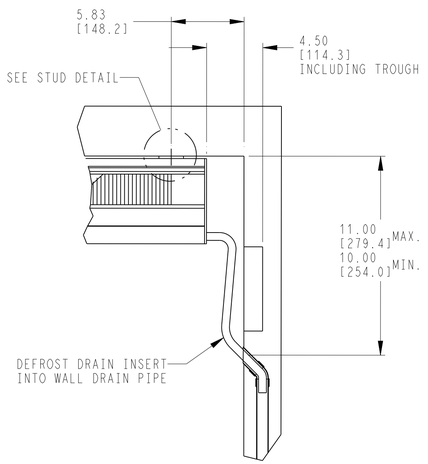


WALL & CEILING TROUGH

INSTALLATION TIPS

1. USE FLAT FLOORING IN THE FLOOR SECTION UNDER THE BULKHEAD.
2. PROVIDE A THERMAL BREAK IN THE FLOOR UNDER THE BULKHEAD. FOR MOVABLE LOCATION BULKHEADS, USE RUBBERIZED HARDWOOD FLOORS.
3. COVER REFRIGERANT LINES TO AVOID IMPACT DAMAGE.
4. INSTALL A GUARD AROUND THE EVAPORATOR TO PREVENT IMPACT DAMAGE.

DUAL DISCHARGE ROAD SIDE



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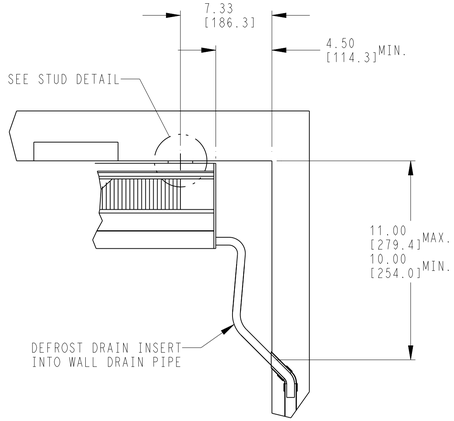
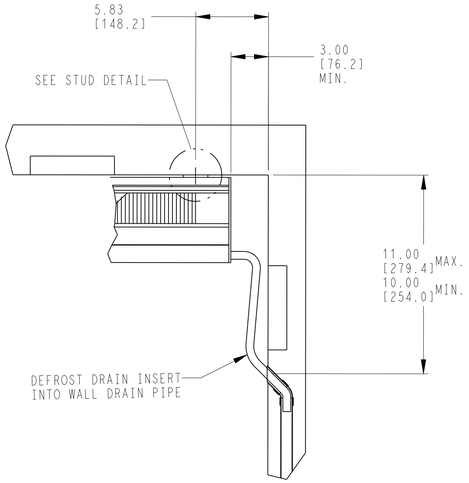


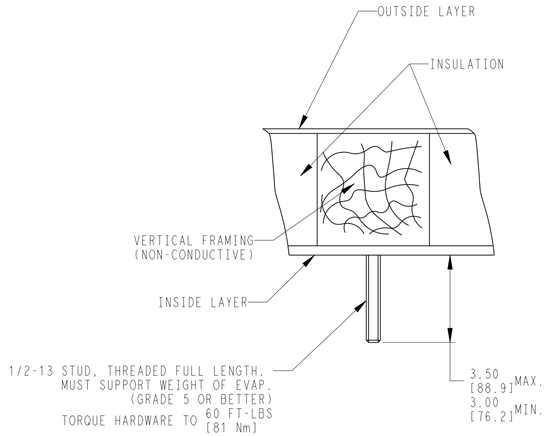
CEILING TROUGH

DUAL DISCHARGE CURB SIDE

SINGLE DISCHARGE ROAD SIDE



WALL & CEILING TROUGH



STUD DETAIL

SINGLE DISCHARGE CURB SIDE

TRAILER PREPARATION FOR EVAPORATOR

SYM	REVISION RECORD	DATE	BY	ENGR.	M.E.	NPCA NO.
A	INITIAL RELEASE.	21 OCT 2014	LT-SS	JC		72N0330P14

THIRD ANGLE PROJECTION

IMPERIAL INCH FORMAT:
UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES WITH
METRIC CONVERSIONS IN [MILLIMETERS]

TITLE: INSTALLATION INSTRUCTIONS
VECTOR MT REMOTE EVAPORATORS

DRAWING NO. 98-03339 SHEET 2 OF

REV. A

SUPERSEDES:

PART CLASSIFICATION: US SEE CHART

DRAWING CLASSIFICATION: US EAR99

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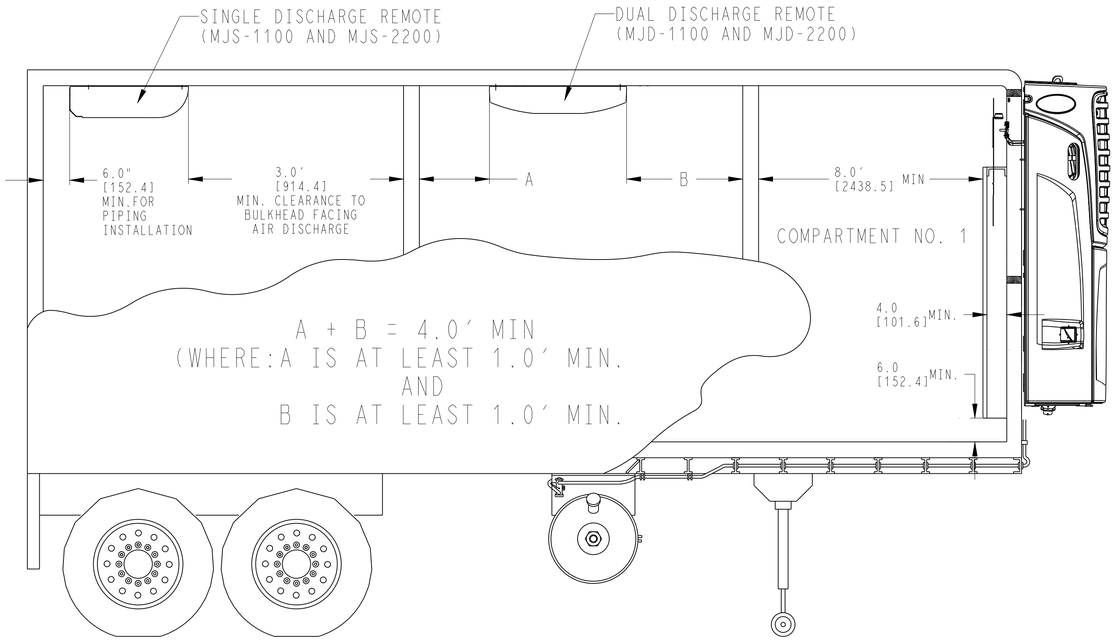
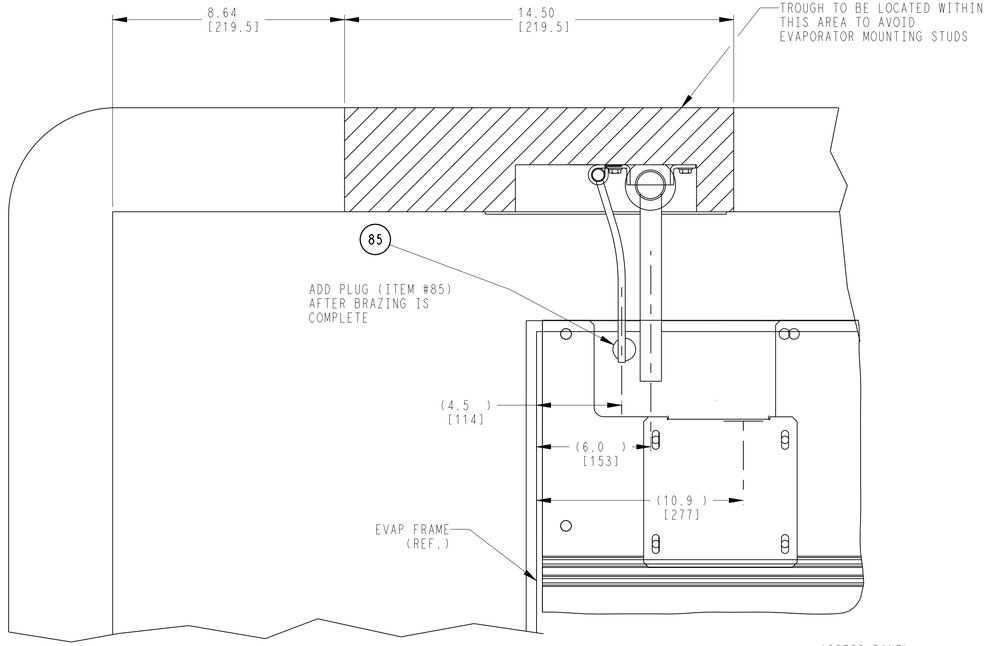
TUBING INSTRUCTIONS (2 COMPARTMENT & 3 COMPARTMENT)

CAUTION: HOST UNIT IS SHIPPED FULLY CHARGED FROM FACTORY. SEE NOTE #8 ON SHEET #1 FOR PROCEDURE TO REMOVE CAPPED TUBES FROM HOST UNIT.

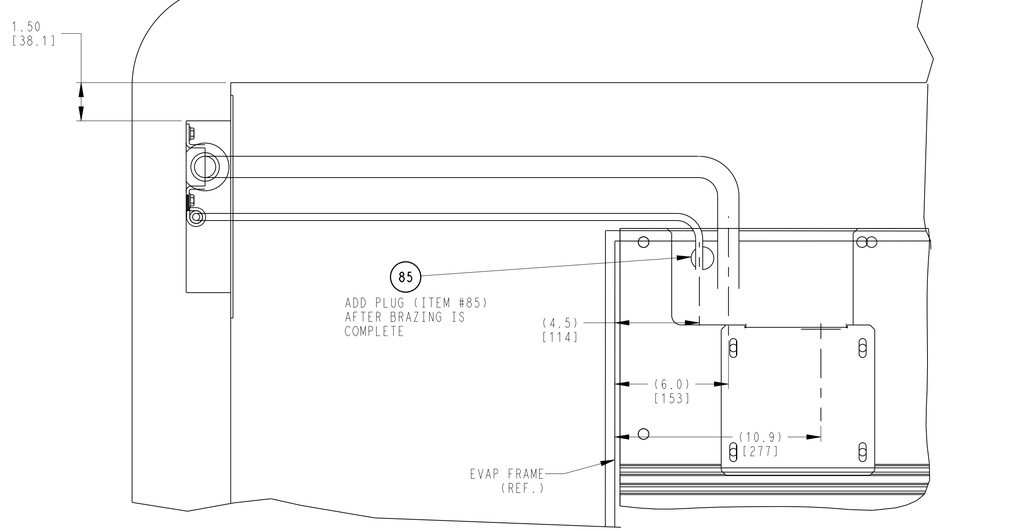
1. BELLS ON TUBES FROM HOST ARE MEANT TO ACCEPT 3/8" AND 1 1/8" REFRIGERATION TUBING.
2. MAKE TUBING CONNECTIONS USING ITEMS 40,45,50,55 & 60.
3. ROUTE TUBING TO REAR EVAPORATORS TO MINIMIZE EXPOSURE TO DAMAGE.
4. FOR COPPER TO COPPER BRAZING IT IS REQUIRED THAT A BRAZING MATERIAL OF 15% SILVER, 5% PHOSPHOROUS IS USED (FLUX IS NOT REQUIRED FOR COPPER TO COPPER JOINTS). SOFT SOLDER BRAZING MATERIAL IS NOT RECOMMENDED.
5. CLOSED CELL FOAM INSULATION IS PROVIDED TO COVER THE ENTIRE SUCTION AND LIQUID LINE LENGTH.
6. IF A CEILING TROUGH IS INSTALLED FOR A MJD EVAP, THE TROUGH SHOULD ANGLE TO THE SIDE WALL AT THE CENTER OF THE EVAP.
7. IT IS RECOMMENDED TO REMOVE ACCESS PANEL FROM BACK PANEL AND MOVE ELECTRICAL CABLE AWAY FROM TUBING BEFORE BRAZING REFRIGERANT TUBING AT HOST UNIT.



SINGLE AND DUAL DISCHARGE REMOTE EVAP INSTALLATION
(3 COMPARTMENTS SHOWN FOR ILLUSTRATION ONLY)



REFRIGERANT LINE ROUTING
CEILING TROUGH CONFIGURATION
(WIRING NOT SHOWN FOR CLARITY)



REFRIGERANT LINE ROUTING
WALL TROUGH CONFIGURATION
(WIRING NOT SHOWN FOR CLARITY)

SYM	REVISION RECORD	DATE	BY	ENGR.	M.E.	NPCA NO.
A	INITIAL RELEASE	21 OCT 2014	LT-SS	JC		72N0330P14

THIRD ANGLE PROJECTION

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METRIC CONVERSIONS IN [MILLIMETERS]

TITLE
INSTALLATION INSTRUCTIONS
VECTOR MT REMOTE EVAPORATORS

DRAWING NO. 98-03339
SHEET 3 OF

REV. A

SUPERSEDES: _____

PART CLASSIFICATION: US SEE CHART

DRAWING CLASSIFICATION: US EAR99

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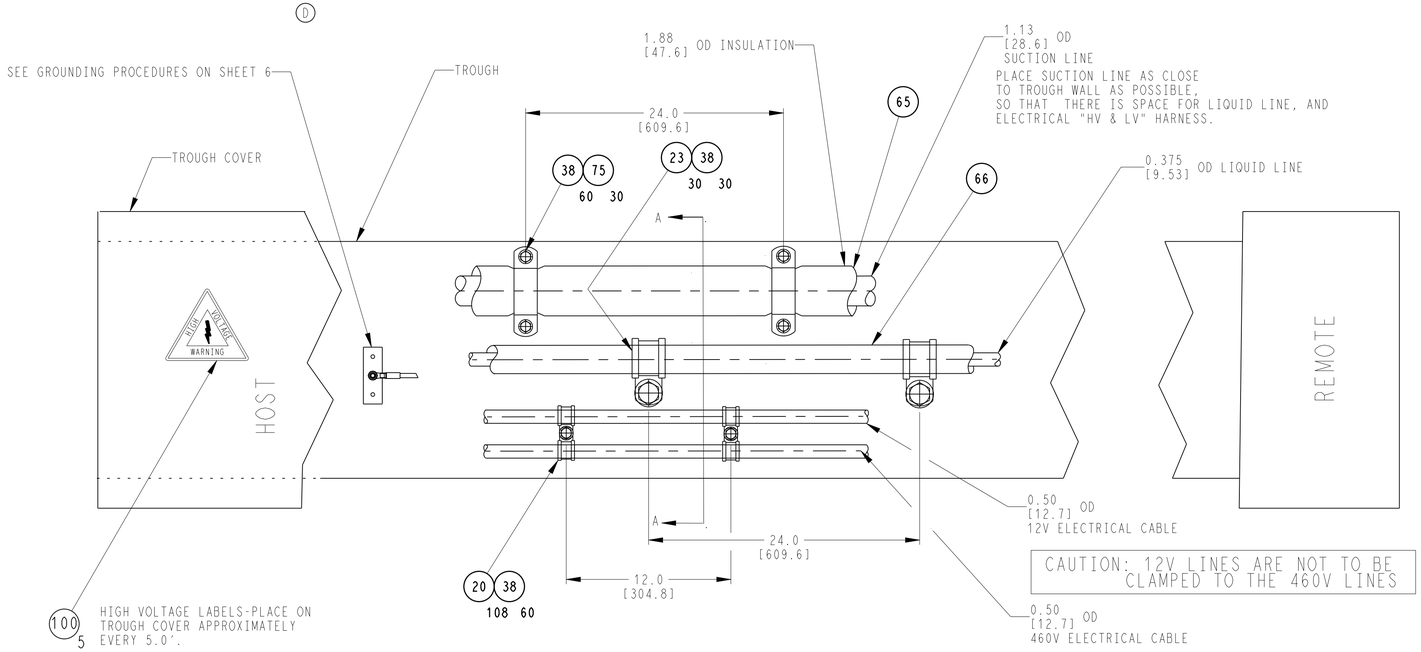
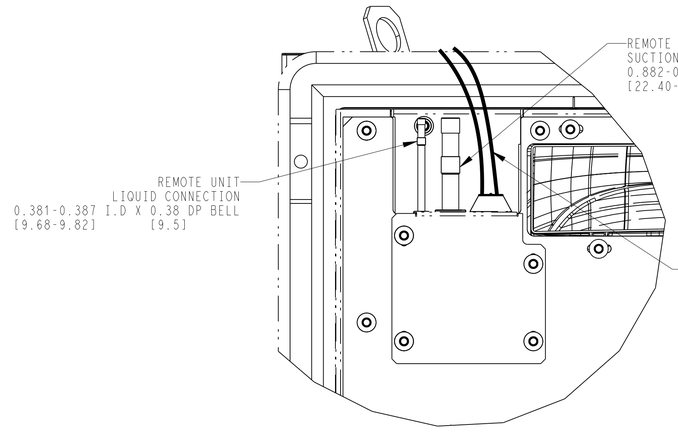
2 COMPARTMENT PIPING & WIRING INSTALLATION

VECTOR 8611 3 COMPARTMENT & FLAG POLE CONFIGURATION

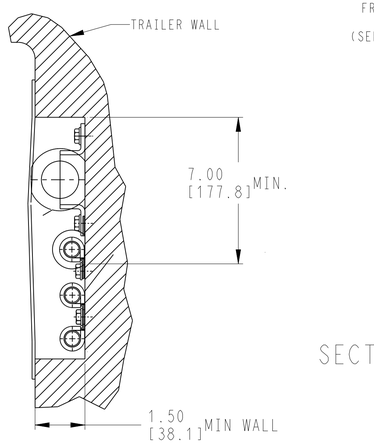
(D)

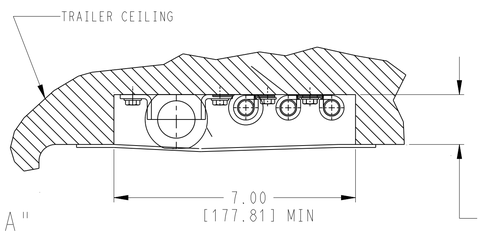




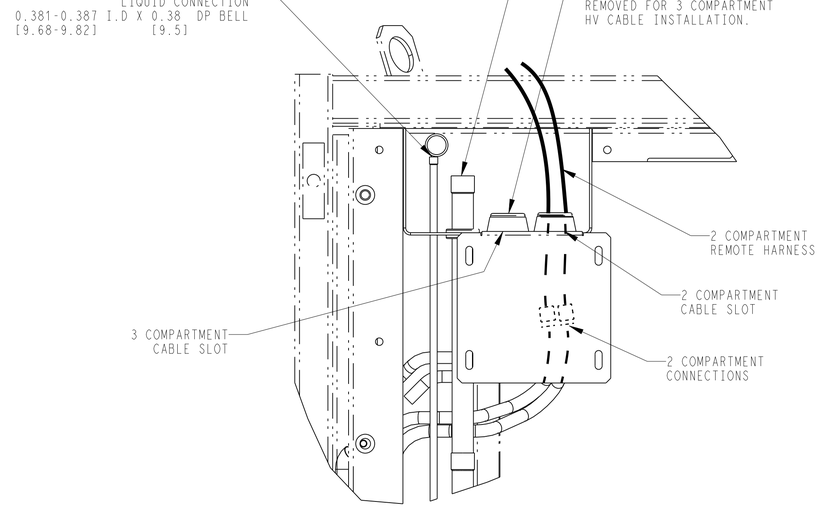
3 COMPARTMENT - VCD HOST UNIT
REAR UPPER LEFT VIEW TO SHOW
ELECTRICAL LINE ROUTING

REMOVE TRAILER HARNESS SHIPPING BLACK WIRE TIES AND CLAMP TUBES & CABLES SECURELY INSIDE TROUGH TO PREVENT DAMAGE FROM VIBRATION. SPACING BETWEEN TUBING CLAMPS NOT TO EXCEED 24". SPACING BETWEEN HARNESS CLAMPS NOT TO EXCEED 12". (SEE SHEET 7 FOR CLAMPING REQUIRED FOR COPPER TROUGH INSTALLATIONS)





SECTION "A-A"



2 COMPARTMENT - HOST UNIT
REAR UPPER LEFT VIEW TO SHOW
ELECTRICAL LINE ROUTING

SYM	REVISION RECORD	DATE	BY	ENGR.	M.E.	NPCA NO.
D	ADDED VECTOR 8611 VIEW	21JAN2020	KFV	KS		ECN1132619
A	INITIAL RELEASE.	21 OCT 2014	LT-SS	JC		72N0330P14

THIRD ANGLE PROJECTION

IMPERIAL INCH FORMAT:
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METRIC CONVERSIONS IN [MILLIMETERS]

TITLE: INSTALLATION INSTRUCTIONS
VECTOR MT REMOTE EVAPORATORS

DRAWING NO. 98-03339 SHEET 4 OF

REV D

SUPERSEDES:

PART CLASSIFICATION: US SEE CHART

DRAWING CLASSIFICATION: US EAR99

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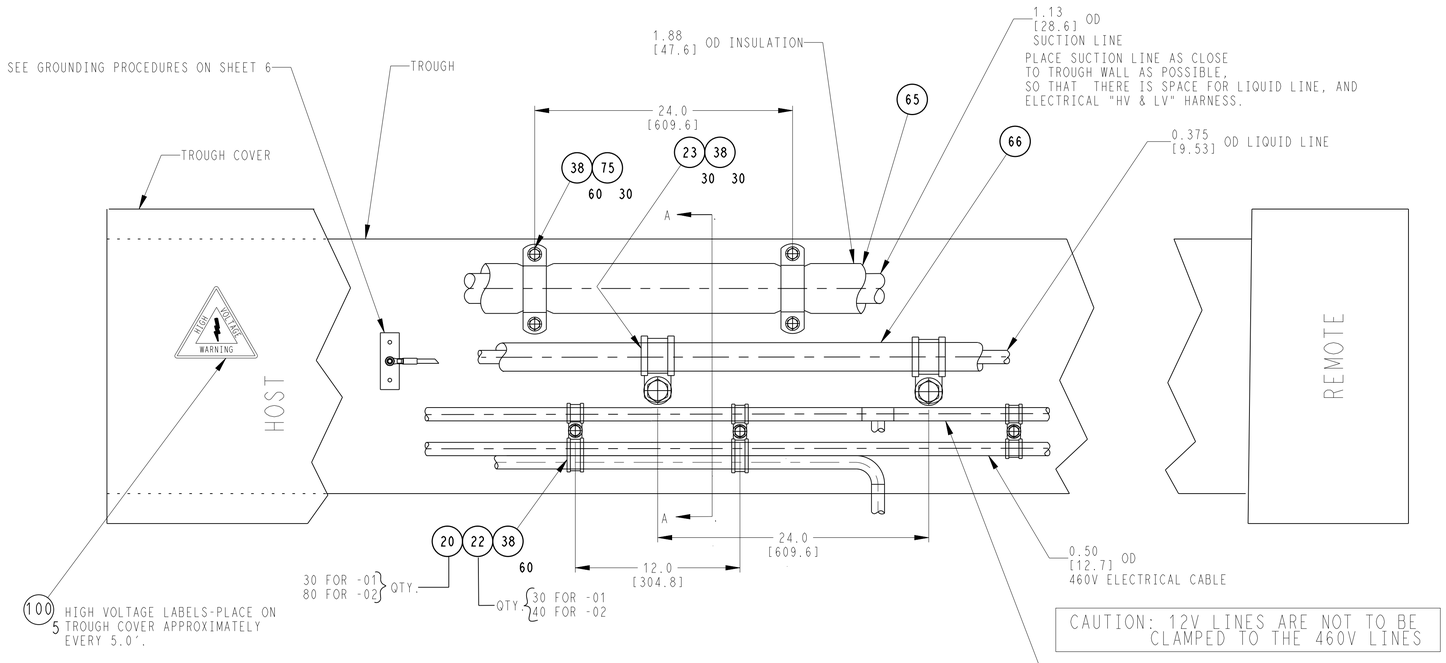
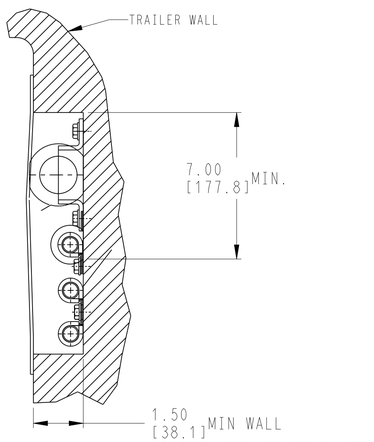
3 COMPARTMENT PIPING & WIRING INSTALLATION

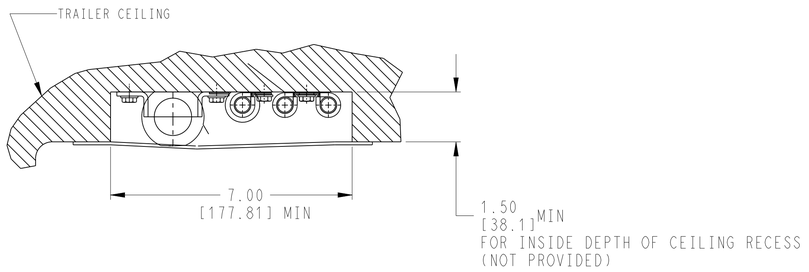


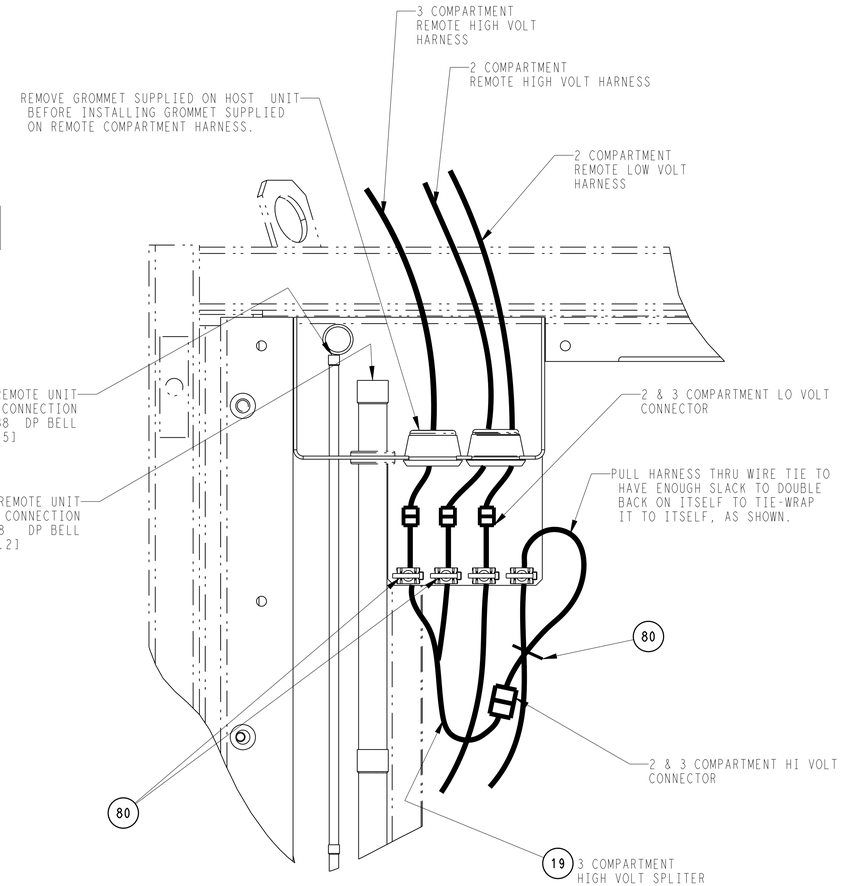
CAUTION: 12V LINES ARE NOT TO BE CLAMPED TO THE 460V LINES

REMOVE TRAILER HARNESS SHIPPING BLACK WIRE TIES AND CLAMP TUBES & CABLES SECURELY INSIDE TROUGH TO PREVENT DAMAGE FROM VIBRATION. SPACING BETWEEN TUBING CLAMPS NOT TO EXCEED 24". SPACING BETWEEN HARNESS CLAMPS NOT TO EXCEED 12". (SEE SHEET 7 FOR CLAMPING REQUIRED FOR COPPER TROUGH INSTALLATIONS)



SECTION "A-A"





3 COMPARTMENT
REAR UPPER LEFT VIEW TO
SHOW ELECTRICAL LINE ROUTING

SYM	REVISION RECORD	DATE	BY	ENGR.	M.E.	NPCA NO.
B	IN 2PLCS: CALLOUT BALLOON IT.80 WAS IT.82	26 JAN 16	MGC			72N0220P16
A	INITIAL RELEASE.	21 OCT 2014	LT-SS	JC		72N0330P14

THIRD ANGLE PROJECTION

IMPERIAL INCH FORMAT:
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METRIC CONVERSIONS IN [MILLIMETERS]

TITLE
INSTALLATION INSTRUCTIONS
VECTOR MT REMOTE EVAPORATORS

DRAWING NO. 98-03339 SHEET 5 OF

REV B

SUPERSEDES:

PART CLASSIFICATION: US SEE CHART

DRAWING CLASSIFICATION: US EA899

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3CPT SYSTEM ROUTING PIPING AND WIRING, -01 & -02

3CPT SYSTEMS ROUTING OF WIRING - REFER TO FIGURE EE. IN 3CPT SYSTEMS THE FOLLOWING REQUIREMENTS OF INSTALLATION MUST BE FOLLOWED.

HIGH VOLTAGE WIRING - A 3-WAY HIGH VOLTAGE "SPLITTER" HARNESS IS INCLUDED IN THE 3CPT INSTALLATION KIT WHICH CONTAINS THREE 4-PIN CONNECTORS. THIS HARNESS MUST BE INSTALLED AT THE HOST UNIT TO THE EXISTING HIGH VOLTAGE CONNECTOR AS SHOWN IN FIGURE EE. FROM THAT HARNESS THE INDIVIDUAL HIGH VOLTAGE CABLES ARE ROUTED TO EACH REMOTE UNIT.

LOW VOLTAGE WIRING - A 3-WAY LOW VOLTAGE "SPLITTER" HARNESS IS INCLUDED IN THE 3CPT INSTALLATION KIT WHICH CONTAINS TWO 8-PIN AND ONE 10-PIN CONNECTORS. HOWEVER, THE LOW VOLTAGE SPLITTER HARNESS IS NOT INSTALLED AT THE HOST UNIT. ONE LOW VOLTAGE CABLE IS CONNECTED AT THE HOST UNIT AND ROUTED TO ONE OF THE REMOTE UNITS (NOTE THAT THIS UNIT WILL ALWAYS BE "CPT2" AT THE DISPLAY). THE LOW VOLTAGE SPLITTER HARNESS IS THEN INSTALLED AT THIS REMOTE UNIT. THE LOW VOLTAGE CABLE TO THE 2ND REMOTE UNIT (OR THE 3RD CPT) IS ROUTED FROM THIS SPLITER HARNESS TO THE 3RD CPT. IT IS TYPICALLY ROUTED ALONG WITH THE REFRIGERANT PIPING TO THAT UNIT. THIS MEANS FOR SOME SYSTEM CONFIGURATIONS, IT MAY NEED TO BE ROUTED BACK TO THE HOST UNIT IN ORDER TO FOLLOW THE PIPING (SEE FIGURE EE). ROUTING THIS CABLE ALONG WITH THE PIPING IS NOT MANDATORY, BUT FRQUENTLY PREFERED BY THE INSTALLER OR CUSTOMER FOR ADEQUATE PROTECTION OF THE CABLE.

(D)

3CPT WITH 8611
-03 & -04

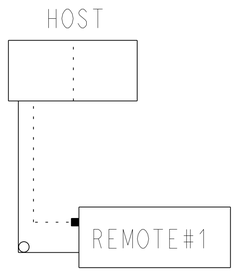
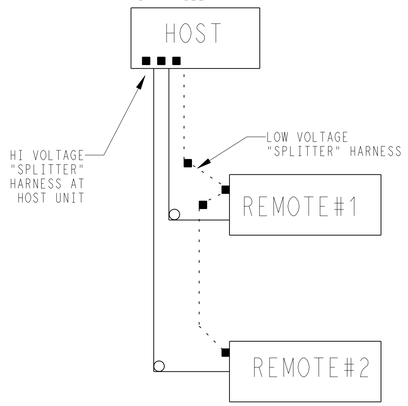
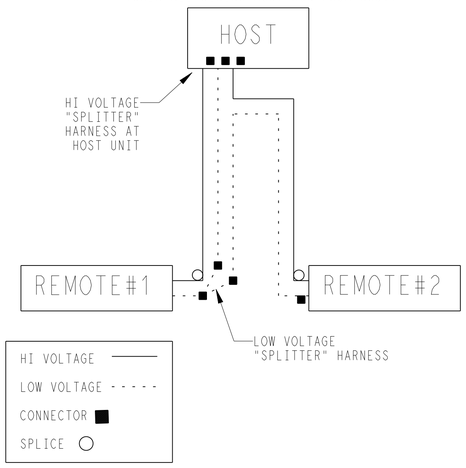


FIGURE EE - 3CPT ROUTING OF POWER AND LOW VOLTAGE CABLES

FOR EVAPORATOR
FRONT-TO-BACK LAYOUT
IN TRAILER



FOR EVAPORATOR SIDE-BY-SIDE
LAYOUT IN TRAILER
(WHEN ALL WIRING MUST RUN FROM HOST)



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D	ADDED "3 CPT WITH 8611" VIEW	20JAN2020	KFV	KS		ECN1132619
A	INITIAL RELEASE.	21 OCT 2014	LT-SS	JC		72N0330P14

THIRD ANGLE PROJECTION

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TITLE
INSTALLATION INSTRUCTIONS
VECTOR MT REMOTE EVAPORATORS

DRAWING NO. 98-03339
SHEET 6 OF

REV D

SUPERSEDES:

PART CLASSIFICATION: US SEE CHART

DRAWING CLASSIFICATION: US EAR99

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RECOMMENDED GROUNDING PROCEDURE
(FOR ALUMINUM TROUGHS WITHOUT EXISTING GROUND HARDWARE)

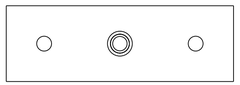
TO GROUND THE HOST UNIT

1. LOCATE THE 8 GA. GREEN GROUND WIRE FROM THE HOST UNIT AND ROUTE TO TROUGH. ATTACH GROUND PLATE (ITEM 115) TO TROUGH USING METHOD DESCRIBED IN NOTES 3 & 4.
2. IF NECESSARY, CUT WIRE TO LENGTH AND TERMINATE WITH M6 RING TERMINAL (ITEM 15) AND HEAT SHRINK TUBING (ITEM 90). USE THE PROPER CRIMPING TOOL (GREENLEE K05-1GL). ATTACH WIRE TO PLATE ASSY USING THE HARDWARE FROM PLATE ASSY.
3. SECURE WIRE TO THE HIGH VOLTAGE LINES USING WIRE TIES (ITEM 80).

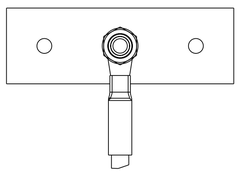
IMPORTANT

MAKE SURE ALL WIRES ARE PROPERLY SECURED AWAY FROM ANY SURFACES OR EDGES THAT CAN RESULT IN CHAFING.

2 & 3 COMPARTMENT
(REFRIGERANT LINES NOT SHOWN)



GROUND PLATE ITEM 115
FOR HOST UNIT GROUNDING



GROUND PLATE W/WIRE ITEM 110
FOR REMOTE EVAPORATOR GROUNDING
AND GROUNDING OF GUARDS

ALTERNATE GROUNDING PROCEDURE
(FOR ALUMINUM TROUGHS WITH EXISTING GROUND HARDWARE) & COPPER INSERT

TO GROUND THE HOST UNIT

1. LOCATE AND ROUTE THE 8 GA. GREEN GROUND WIRE FROM THE HOST UNIT TO THE TROUGH.
2. IF NECESSARY, CUT WIRE TO LENGTH AND TERMINATE USING M6 RING TERMINAL (ITEM 15) AND HEAT SHRINK TUBING (ITEM 90). USE THE PROPER CRIMPING TOOL (GREENLEE K05-1GL). ATTACH WIRE TO TROUGH USING THE HARDWARE PROVIDED IN THE TROUGH AS SHOWN BELOW.
3. SECURE WIRE TO THE HIGH VOLTAGE LINES USING WIRE TIES (ITEM 80).

TO GROUND THE REMOTE EVAPORATOR

4. LOCATE THE 8 GA GREEN GROUND WIRE FROM THE REMOTE EVAPORATOR AND ROUTE TO TROUGH.

TO GROUND GUARDS

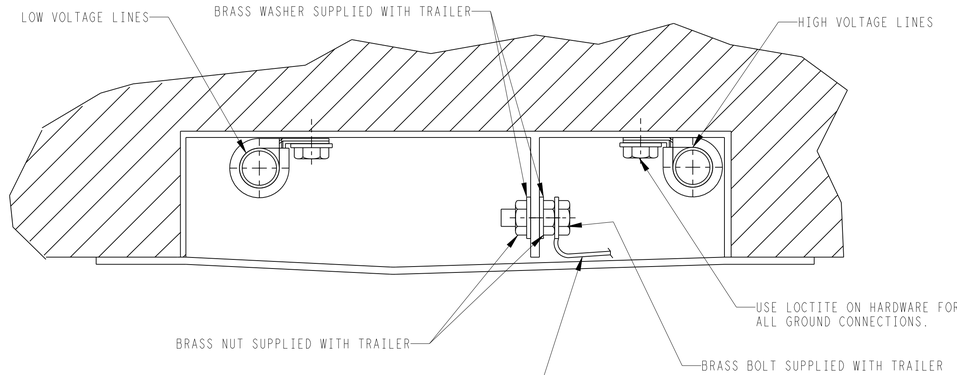
5. GUARDS ARE RECOMMENDED TO PROTECT WIRES AND PIPING FROM REMOTE EVAPORATORS TO TROUGH.
6. DRILL (2) 0.196 [4.98] DIA HOLES IN EACH GUARD USING GROUND PLATE (ITEM 110) AS A TEMPLATE.
7. ATTACH GROUND PLATE (ITEM 110) TO EACH GUARD USING (2) ALUM. RIVETS (ITEM 28) PER PLATE.
8. FOR THE REMOTE EVAPORATOR GUARDS ROUTE THE GROUND WIRE INTO THE REMOTE EVAPORATOR AND ATTACH TO GROUND STUD AS IN NOTE 4.
9. FOR THE HOST UNIT GUARD ROUTE THE GROUND WIRE TO THE TROUGH AND ATTACH TO GROUND STUD AS IN NOTE 2.

IMPORTANT

MAKE SURE ALL WIRES ARE PROPERLY SECURED AWAY FROM ANY SURFACES OR EDGES THAT CAN RESULT IN CHAFING.

CLAMPING
CLAMP SPACING NOT TO EXCEED 12" BETWEEN CLAMPS

2 & 3 COMPARTMENT
(REFRIGERANT LINES NOT SHOWN)



IMPORTANT NOTES

1. DO NOT USE SELF-TAPPING SCREW FOR GROUND CONNECTION TO TROUGH DUE TO CORROSION RISK.
2. IF TROUGH COVER IS ALUMINUM, TROUGH COVER MUST BE BONDED TO TROUGH.
3. IF TROUGH IS NOT ALUMINUM & COVER IS ALUMINUM, SECURE GROUND PLATE ASSY ON INSIDE OF THE COVER USING RECOMMENDED GROUNDING PROCEDURE.
4. CONTACT APPLICATION OR SERVICE ENGINEERING WITH ANY QUESTIONS.
5. COMPLETE CONTINUITY AND DIELECTRIC TESTS PER THE PRE-DELIVERY INSPECTION (PDI) SHEET.

SYM	REVISION RECORD	DATE	BY	ENGR.	M.E.	NPCA NO.
A	INITIAL RELEASE.	21 OCT 2014	LT-SS	JC		72N0330P14

THIRD ANGLE PROJECTION

IMPERIAL INCH FORMAT:
UNLESS OTHERWISE SPECIFIED
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METRIC CONVERSIONS IN [MILLIMETERS]

TITLE: INSTALLATION INSTRUCTIONS
VECTOR MT REMOTE EVAPORATORS

DRAWING NO. 98-03339 SHEET 7 OF

REV A

SUPERSEDES: _____

PART CLASSIFICATION: US SEE CHART

DRAWING CLASSIFICATION: US EAR99

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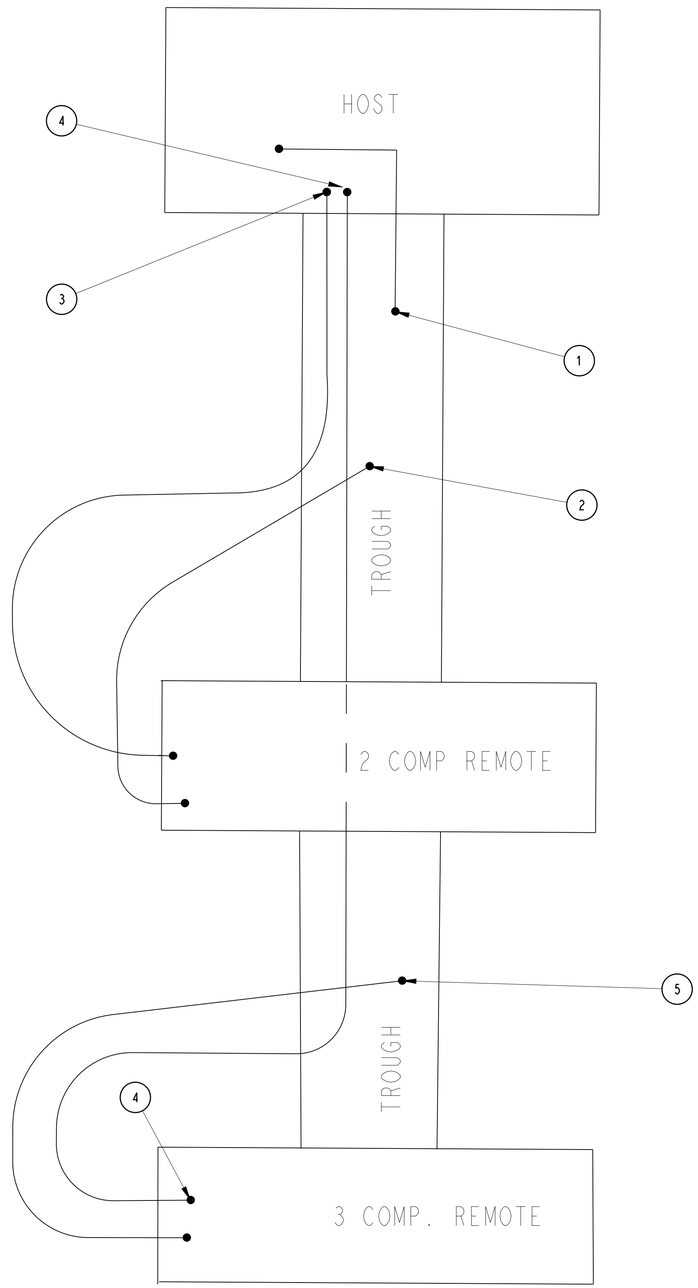
TRAILER GROUND LOCATIONS (FOR 2 COMPARTMENT & 3 COMPARTMENT)



ITEM	GROUND LOCATION 2 COMP
1	HOST TO TROUGH (GREN WIRE FROM CONTROL BOX PE PLATE)
2	2 COMP. REMOTE EVAPORATOR TO TROUGH
3	HOST TO REMOTE (GROUND WIRE IN TRAILER HARNESS)

ITEM	GROUND LOCATION 3 COMP
4	HOST TO REMOTE (GROUND WIRE IN TRAILER HARNESS)
5	3 COMP. REMOTE EVAPORATOR TO TROUGH

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VECTOR MT REMOTE EVAPORATORS

DRAWING NO. 98-03339
SHEET 8 OF

REV A

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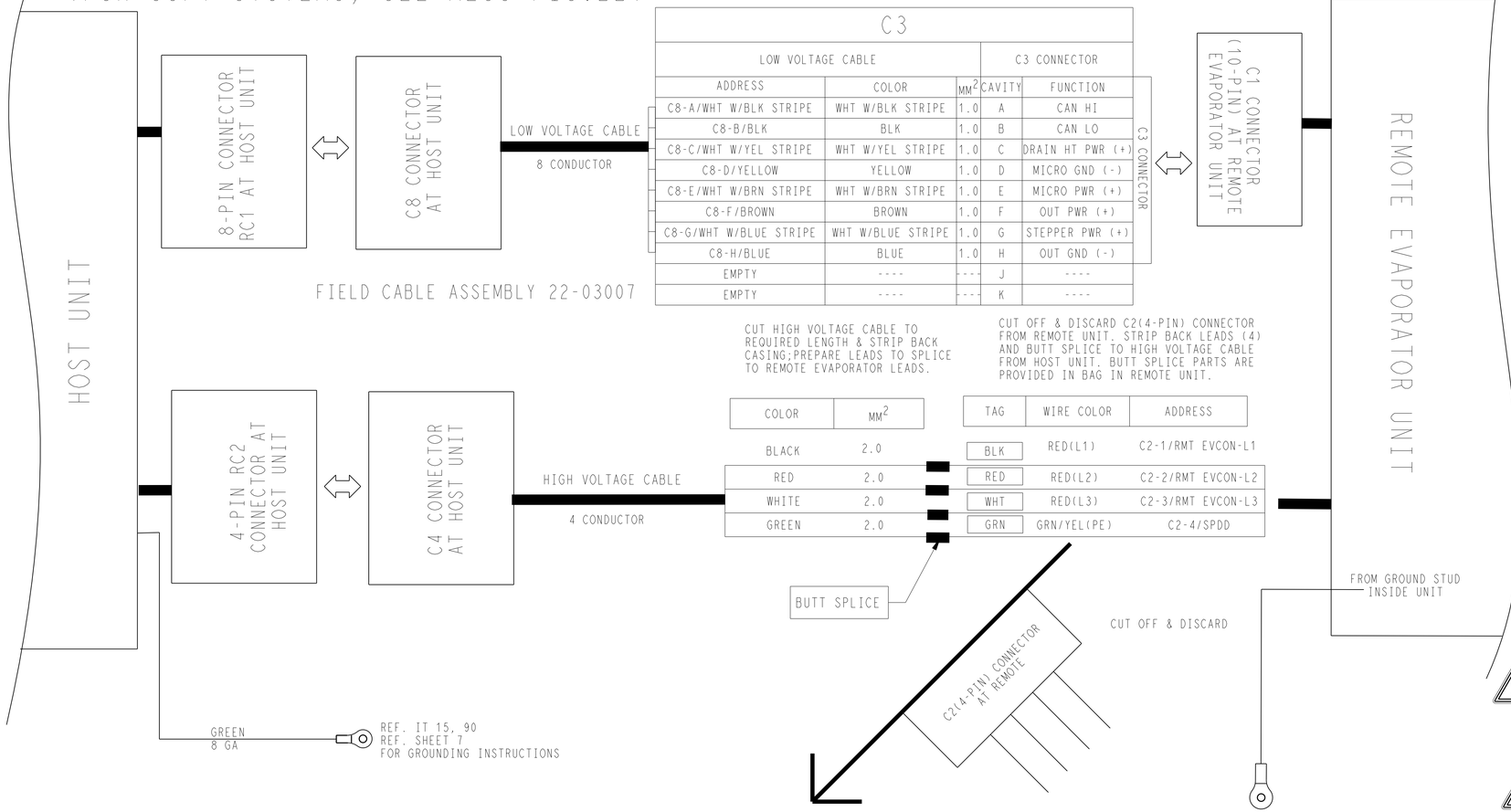
FIGURE AA - 2CPT SYSTEM WIRING TO REMOTE UNIT (FOR 3CPT SYSTEMS, SEE ALSO FIG.BB)



CUT LOW VOLTAGE CABLE TO REQUIRED LENGTH & TERMINATE LEADS WITH 10 PIN CONNECTOR AND PARTS PROVIDED IN BAG ON REMOTE CABLE ASSY.

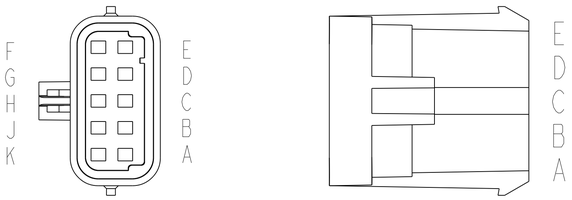
C3				
LOW VOLTAGE CABLE			C3 CONNECTOR	
ADDRESS	COLOR	MM^2	CAVITY	FUNCTION
C8-A/WHT W/BLK STRIPE	WHT W/BLK STRIPE	1.0	A	CAN HI
C8-B/BLK	BLK	1.0	B	CAN LO
C8-C/WHT W/YEL STRIPE	WHT W/YEL STRIPE	1.0	C	DRAIN HT PWR (+)
C8-D/YELLOW	YELLOW	1.0	D	MICRO GND (-)
C8-E/WHT W/BRN STRIPE	WHT W/BRN STRIPE	1.0	E	MICRO PWR (+)
C8-F/BROWN	BROWN	1.0	F	OUT PWR (+)
C8-G/WHT W/BLUE STRIPE	WHT W/BLUE STRIPE	1.0	G	STEPPER PWR (+)
C8-H/BLUE	BLUE	1.0	H	OUT GND (-)
EMPTY	----	----	J	----
EMPTY	----	----	K	----

C3 CONNECTOR

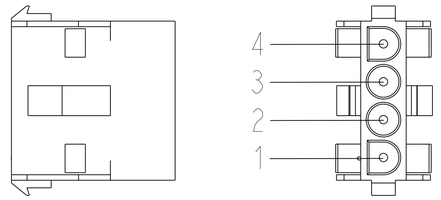
CUT HIGH VOLTAGE CABLE TO REQUIRED LENGTH & STRIP BACK CASING; PREPARE LEADS TO SPLICE TO REMOTE EVAPORATOR LEADS.

CUT OFF & DISCARD C2(4-PIN) CONNECTOR FROM REMOTE UNIT. STRIP BACK LEADS (4) AND BUTT SPLICE TO HIGH VOLTAGE CABLE FROM HOST UNIT. BUTT SPLICE PARTS ARE PROVIDED IN BAG IN REMOTE UNIT.

COLOR	MM^2	TAG	WIRE COLOR	ADDRESS
BLACK	2.0	BLK	RED(L1)	C2-1/RMT EVCON-L1
RED	2.0	RED	RED(L2)	C2-2/RMT EVCON-L2
WHITE	2.0	WHT	RED(L3)	C2-3/RMT EVCON-L3
GREEN	2.0	GRN	GRN/YEL(PE)	C2-4/SPDD



CONNECTOR C1
(22-50078-45)



CONNECTOR C2
(22-01997-15)
(TO BE CUT OFF AT INSTALLATION)

NOTES:
1.0 LOCATE THE PLASTIC BAG OF CONNECTOR AND SPLICE PARTS SUPPLIED WITH 22-03007 CABLE ASSEMBLY.

2.0 CUT THE 22-03007 CABLE ASSEMBLY TO LENGTH.

3.0 CRIMP THE APPROPRIATE TERMINALS TO THE 8-WAY CABLE USING CRIMPING TOOL CTD P/N 07-00519-00, ASSEMBLE THE BLACK PACKARD CONNECTOR AND CONNECT IT TO THE 8-WAY C1 LOW VOLTAGE CONNECTOR ON THE REMOTE EVAPORATOR.

4.0 CUT OFF THE 4-WAY C2 HIGH VOLTAGE CONNECTOR ON THE REMOTE EVAPORATOR HIGH VOLTAGE HARNESS. WIRE ACCORDING TO CHART AND SPLICE USING THE BUTT SPLICE MATERIALS AND HEAT SHRINK TUBING SUPPLIED USING THE PROPER CRIMPING TOOL CTD P/N 07-00496-00.

MUST USE HEAT SHRINK WITH EPOXY MELT LINER

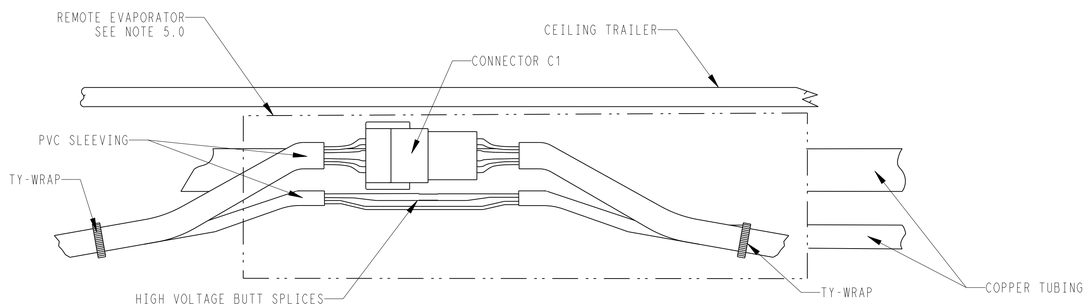
5.0 CHECK THAT THE FANS, WHEN OPERATING, DO NOT INTERFERE WITH THE FAN INLET RING.

6.0 DURING TEST MAKE SURE FANS ARE OPERATING IN THE CLOCKWISE DIRECTION.

7.0 SECURE CONNECTOR AND SPLICES OUT OF HARM'S WAY.

8.0 DO NOT BEND THE PVC SLEEVING OR BEND THE WIRES NEAR THE CONNECTOR SO AS TO MAINTAIN SEALING INTEGRITY.

NOTE: IF CONDENSATE DRAIN HEATER IS TO BE MOVED TO END OF REMOTE EVAPORATOR OPPOSITE REFRIGERANT PIPING, THEN UNCOIL CDWR BRANCH FROM THE REFRIGERANT PIPING END OF THE REMOTE EVAPORATOR, ROUTE IT ALONG AND SECURE IT WITH WIRE TIES TO THE LOW VOLTAGE HARNESS, AND RECONNECT CONNECTOR CDWR TO THE DRAIN HEATER



WARNING! REMOTE UNIT CIRCUITS ARE LIVE (460VAC) WHENEVER HOST UNIT IS RUNNING OR ON STANDBY POWER. LOCKOUT HOST UNIT POWER BEFORE SERVICING

MULTI-TEMP HARNESS WIRE DIAGRAM FOR MJS AND MJD 1100/2200

SYM	REVISION RECORD	DATE	BY	ENGR.	M.E.	NPCA NO.
A	INITIAL RELEASE.	21 OCT 2014	LT-SS	JC		72N0330P14

THIRD ANGLE PROJECTION

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VECTOR MT REMOTE EVAPORATORS

DRAWING NO. 98-03339 SHEET 9 OF

REV A

SUPERSEDES:

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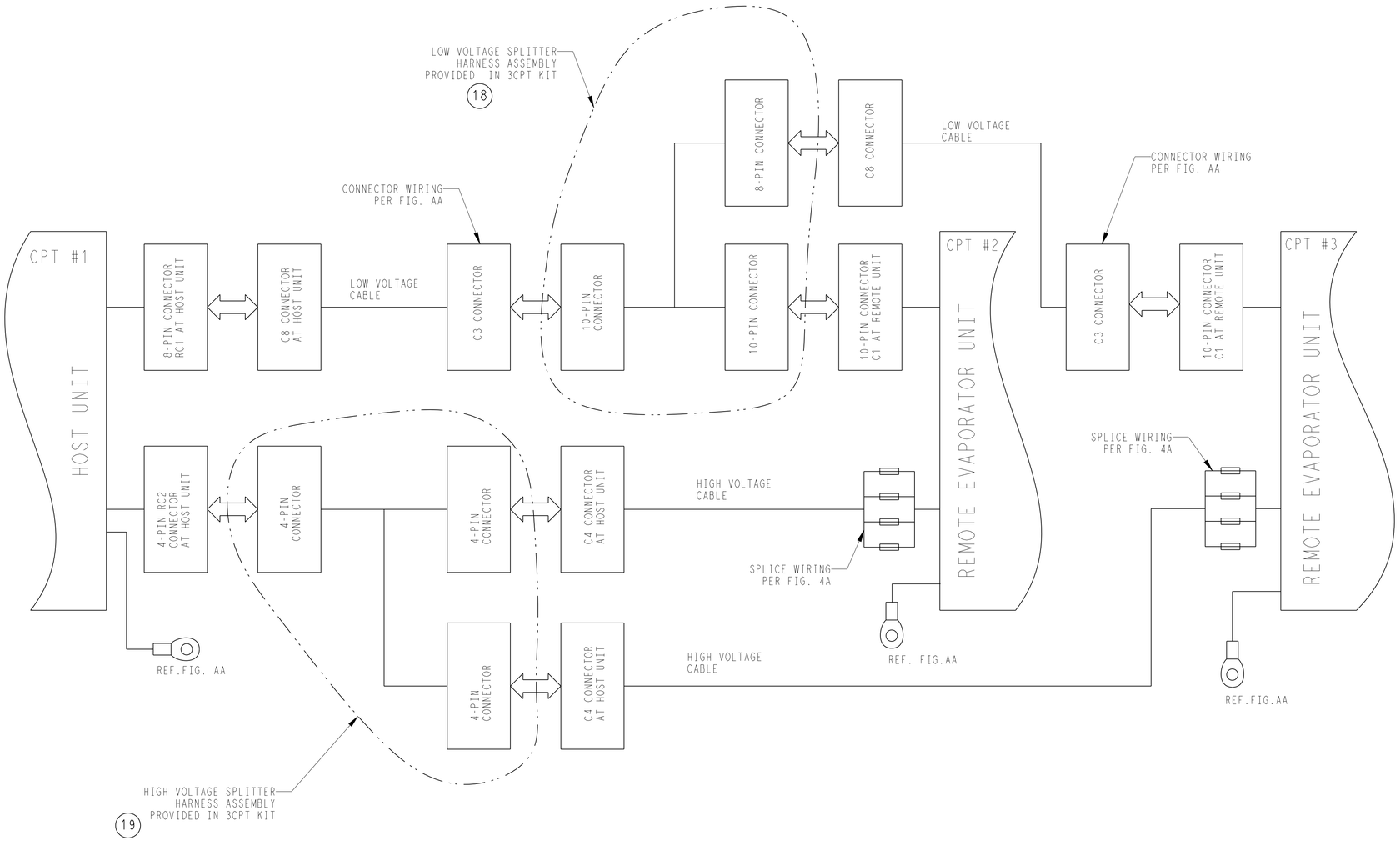
FIGURE BB- 3CPT SYSTEM WIRING TO REMOTE UNITS (REF. FIG. AA: 2CPT SYSTEMS FOR WIRE TERMINATION DETAILS)



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DRAWING NO. 98-03339
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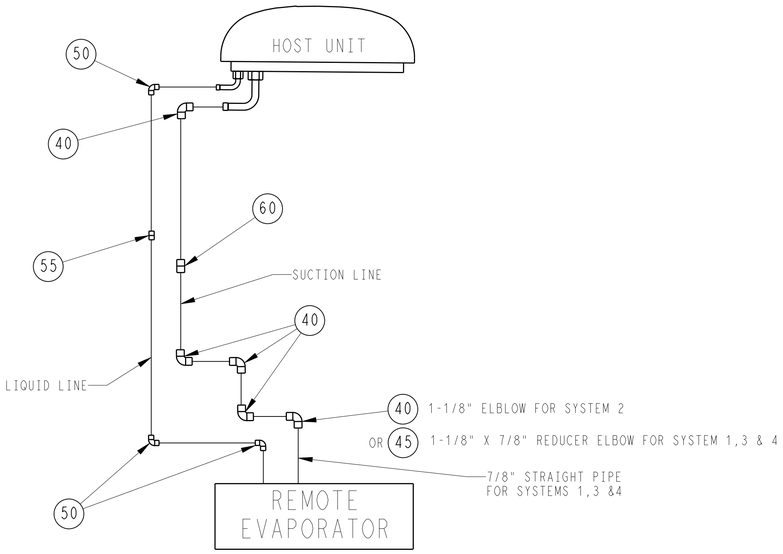
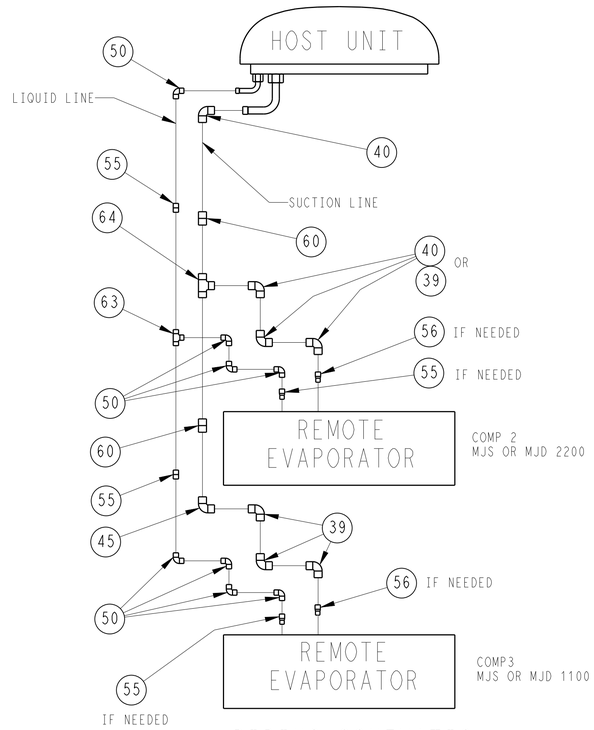


PIPING SCHEMATIC

SCHEMATIC FOR INFORMATION ONLY

EXACT PIPING TO BE DETERMINED BY REMOTE
EVAPORATOR STYLE, APPLICATION AND LOCATION
ALL CONNECTING COMPONENTS ARE AS NEEDED



PIPING SCHEMATIC

SCHEMATIC FOR INFORMATION ONLY

EXACT PIPING TO BE DETERMINED BY REMOTE
EVAPORATOR STYLE, APPLICATION AND LOCATION
ALL CONNECTING COMPONENTS ARE AS NEEDED

SYM	REVISION RECORD	DATE	BY	ENGR.	M.E.	NPCA NO.
D	REMOVED CMPMT SYSTEM VIEWS; ADDED 3CMPMT PIPING VIEW FROM SHT 13	24JUN2020	KFV	KS		ECN1132619
A	INITIAL RELEASE.	21 OCT 2014	LT-SS	JC		72N0330P14

THIRD ANGLE PROJECTION

IMPERIAL INCH FORMAT:
UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES WITH
METRIC CONVERSIONS IN [MILLIMETERS]

TITLE
INSTALLATION INSTRUCTIONS
VECTOR MT REMOTE EVAPORATORS

DRAWING NO. 98-03339 SHEET 11 OF

REV A

SUPERSEDES:

PART CLASSIFICATION: US SEE CHART

DRAWING CLASSIFICATION: US EAR99

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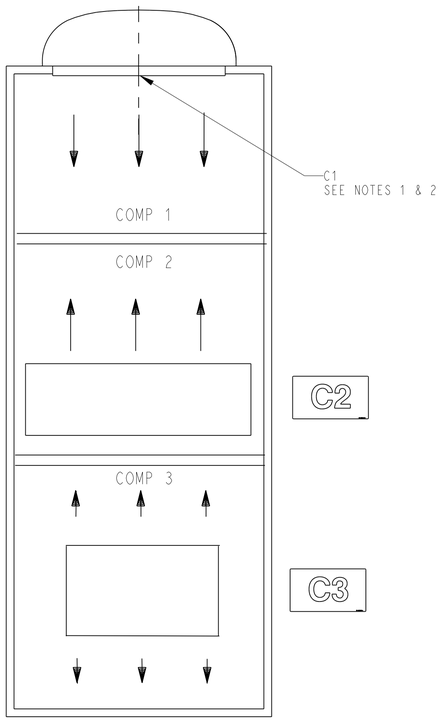
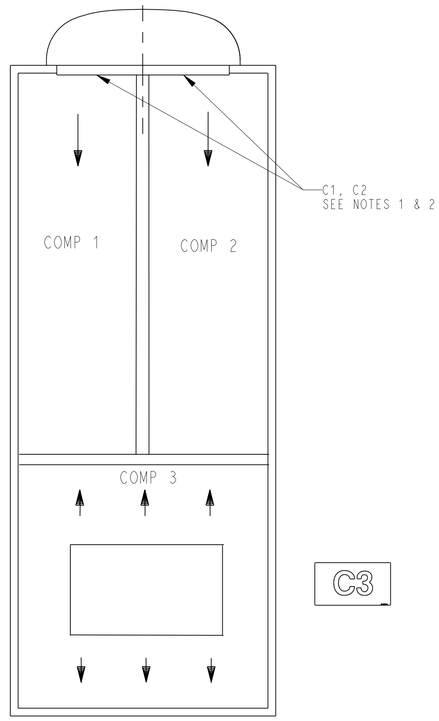
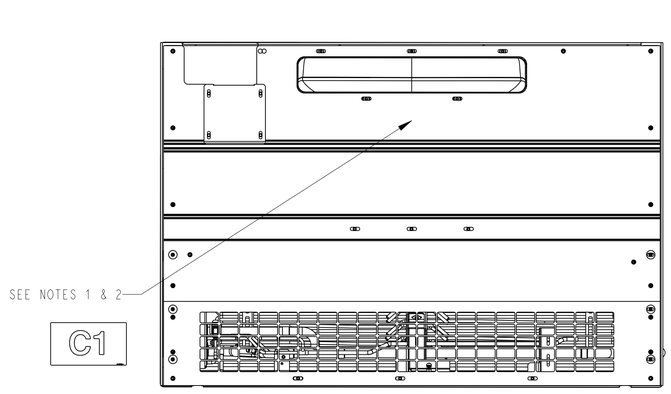
COMPARTMENT LABELS

8600 MT

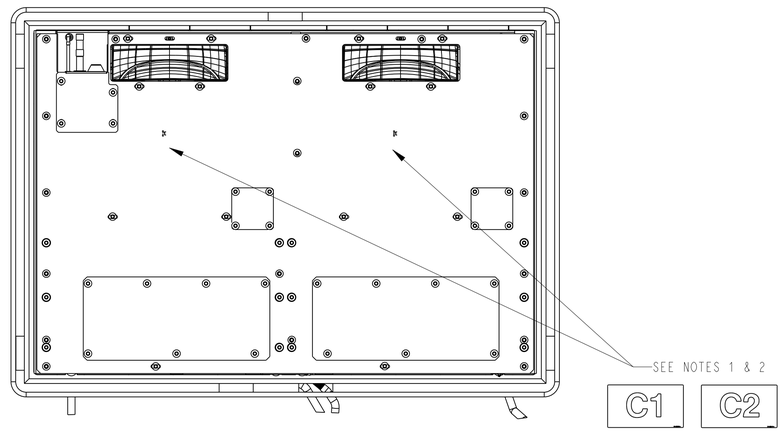


8611 MT





8600MT
SCALE 0.100



8611MT
SCALE 0.100

COMPARTMENT LABELING INSTRUCTIONS:

NOTE: COMPARTMENT DECALS SHOULD BE FOUND IN THE TRU DOCUMENTATION PACKET IN THE DOOR.

NOTE: IF A DIFFERENT NAMING CONFIGURATION IS USED, THESE DECALS MAY NOT BE APPLICABLE.

1. PLACE C1, C2, AND C3 DECALS IN THE APPROXIMATE LOCATIONS SHOWN.
   1A. FOR 8600MT, C1 IS RECOMMENDED TO BE PLACED IN THE CENTER OF THE BACK PANEL. C2 (AND C3, IF APPLICABLE) ARE RECOMMENDED TO BE PLACED ON THE TRAILER WALL UNDER THE REMOTE EVAPORATOR(S).
   1B. FOR 8611MT, C1 AND C2 ARE RECOMMENDED TO BE PLACED ON THE BACK PANEL AS SHOWN. C3 IS RECOMMENDED TO BE PLACED ON THE TRAILER WALL UNDER THE REMOTE EVAPORATOR, IF APPLICABLE.

2. THESE DECALS ARE PROVIDED TO CORRELATE THE PHYSICAL COMPARTMENT TO THE DEFAULT COMPARTMENT CONFIGURATION SHOWN ON THE APX DISPLAY.

SYM	REVISION RECORD	DATE	BY	ENGR.	M.E.	NPCA NO.
D	REMOVED PIPING SCHEMATIC AND CMPMT SYS VIEWS; ADDED CMPMT LABLING VIEWS	24JUN2020	KFV	KS		ECN1132619
A	INITIAL RELEASE.	21 OCT 2014	LT-SS	JC		72N0330P14

THIRD ANGLE PROJECTION

IMPERIAL INCH FORMAT:
UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES WITH
METRIC CONVERSIONS IN [MILLIMETERS]

TITLE: INSTALLATION INSTRUCTIONS
VECTOR MT REMOTE EVAPORATORS

DRAWING NO. 98-03339 SHEET 12 OF

REV A

SUPERSEDES:

PART CLASSIFICATION: US SEE CHART

DRAWING CLASSIFICATION: US EAR99

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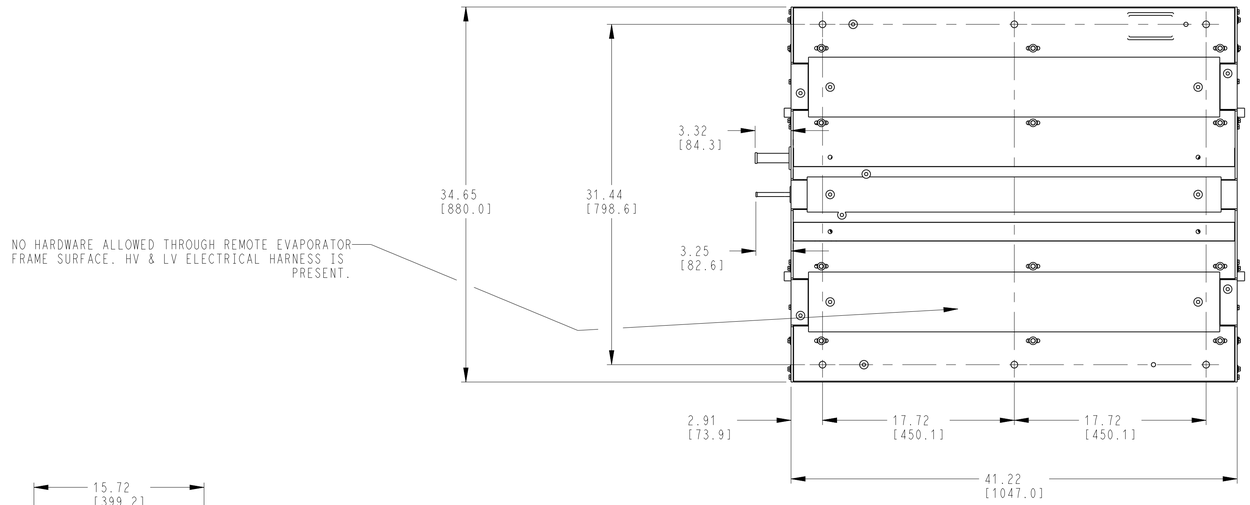
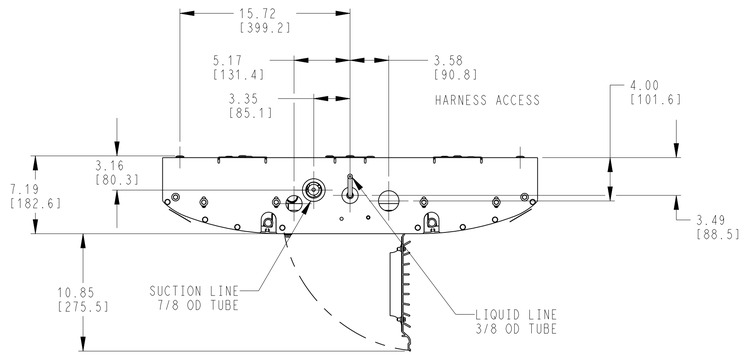
CONVERSION CHART	
DECIMAL INCHES	FRACTIONAL INCHES
1.61	1-5/8
1.75	1-3/4
1.77	1-25/32
2.17	2-3/16
2.69	2-25/32
2.83	2-27/32
3.13	3-1/8
3.46	3-15/32
4.26	4-1/4
5.43	5-7/16
5.45	5-7/16
5.83	5-13/16
7.03	7-1/32
10.85	10-27/32
15.72	15-23/32
17.72	17-23/32
31.42	31-13/32
34.65	34-21/32
41.10	41-3/32





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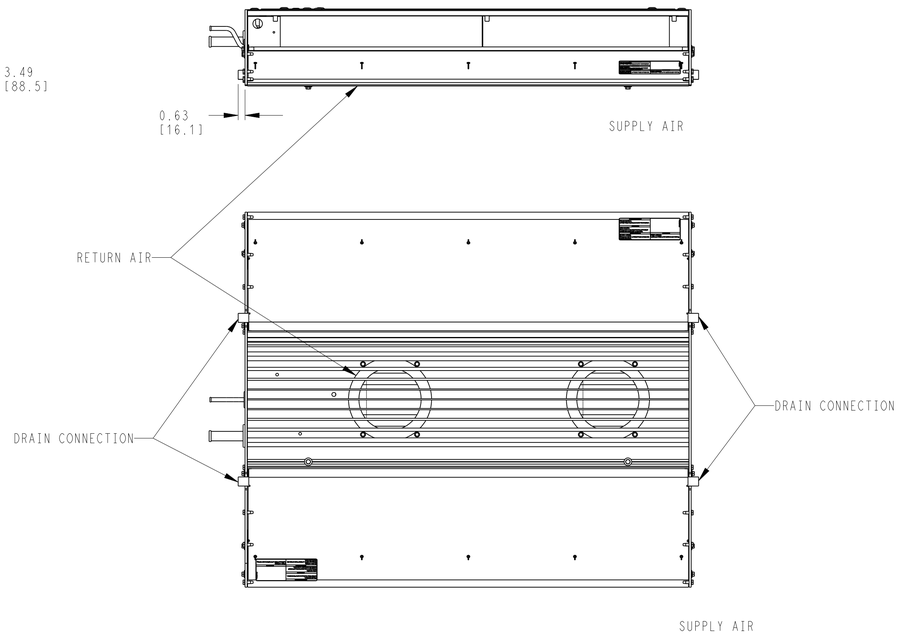
EVAPORATOR WEIGHT (APPROXIMATE)

MJD-1100	130LBS [59.0KG]



MJD-1100-2

SYM	REVISION RECORD	DATE	BY	ENGR.	M.E.	NPCA NO.
D	WAS SHT 14; ADDED "APPROXIMATE" TO WEIGHT	09JUN2020	KFV	KS		ECN1132619
A	INITIAL RELEASE.	21 OCT 2014	LT-SS	JC		72N0330P14

THIRD ANGLE PROJECTION

IMPERIAL INCH FORMAT:
UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES WITH
METRIC CONVERSIONS IN [MILLIMETERS]

TITLE: INSTALLATION INSTRUCTIONS
VECTOR MT REMOTE EVAPORATORS

DRAWING NO. 98-03339 SHEET 13 OF

REV A

SUPERSEDES:

PART CLASSIFICATION: US SEE CHART

DRAWING CLASSIFICATION: US EAR99

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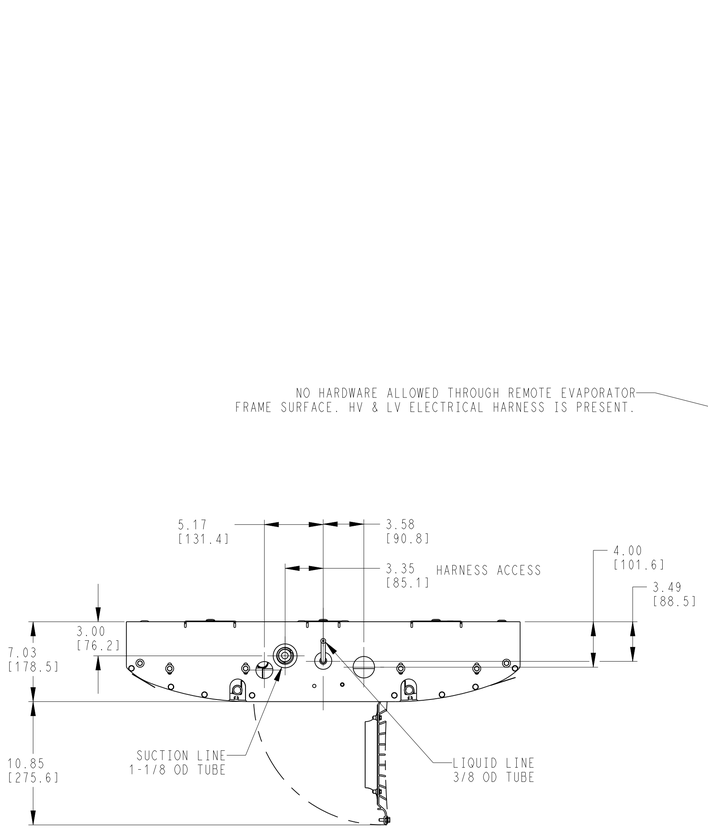
CONVERSION CHART	
DECIMAL INCHES	FRACTIONAL INCHES
0.91	29/32
1.36	1-3/8
1.61	1-5/8
1.65	1-21/32
1.97	1-31/32
2.44	2-7/16
2.95	2-15/16
4.33	4-11/32
4.72	4-11/32
7.03	7-1/32
10.85	10-27/32
26.22	10-27/32
26.30	26-5/16
31.42	31-13/32
34.65	34-21/32
84.65	84-21/32



(D)

EVAPORATOR WEIGHT (APPROXIMATE)

MJD-2200	240LBS [108.9KG]

MJD-2200-4

SYM	REVISION RECORD	DATE	BY	ENGR.	M.E.	NPCA NO.
D	WAS SHT 15; WEIGHT WAS 239 LBS.; ADDED "APPROXIMATE" TO THE WEIGHT	09JUN2020	KFV	KS		ECN1132619
A	INITIAL RELEASE.	21 OCT 2014	LT-SS	JC		72N0330P14

THIRD ANGLE PROJECTION

IMPERIAL INCH FORMAT:
UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES WITH
METRIC CONVERSIONS IN [MILLIMETERS]

TITLE: INSTALLATION INSTRUCTIONS
VECTOR MT REMOTE EVAPORATORS

DRAWING NO. 98-03339 SHEET 14 OF

REV D

SUPERSEDES:

PART CLASSIFICATION: US SEE CHART

DRAWING CLASSIFICATION: US EA899

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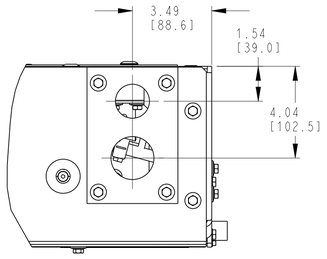
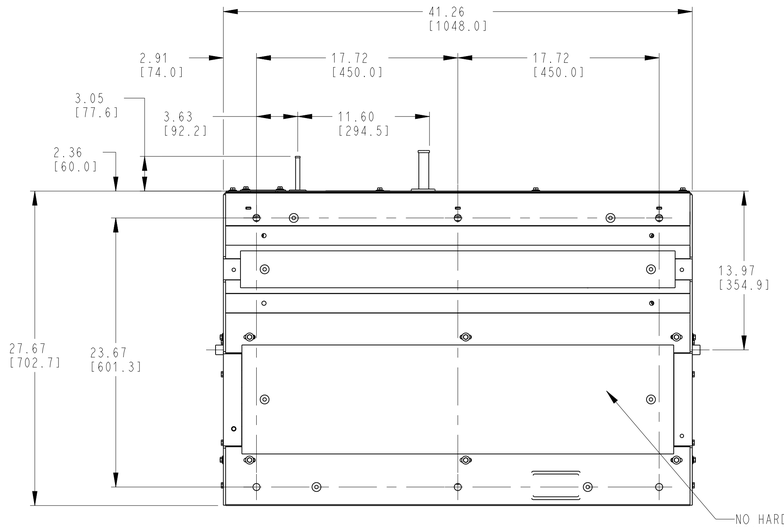
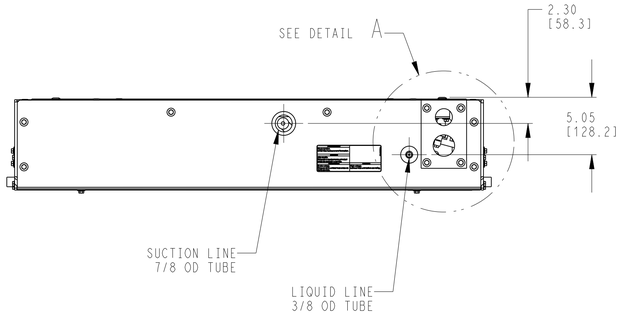
CONVERSION CHART	
DECIMAL INCHES	FRACTIONAL INCHES
0.83	27/32
1.77	1-25/32
2.44	2-7/16
2.83	2-27/32
2.87	2-7/8
3.21	3-7/32
3.54	3-17/32
3.58	3-19/32
4.17	4-3/16
4.76	4-3/4
7.76	7-3/4
10.85	10-27/32
11.02	11-1/32
16.30	16-5/16
17.72	17-23/32
23.62	23-5/8
41.10	41-3/32



HARNESS ACCESS

DETAIL A
SCALE 0.300





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EVAPORATOR WEIGHT (APPROXIMATE)

MJS-1100	150LBS [68.0KG]

MJS-1100-2

SYM	REVISION RECORD	DATE	BY	ENGR.	M.E.	NPCA NO.
D	WAS SHT 16; WEIGHT WAS 113LBS; ADDED "APPROXIMATE" TO WEIGHT	09JUN2020	KFV	KS		ECN1132619
A	INITIAL RELEASE.	21 OCT 2014	LT-SS	JC		72N0330P14

THIRD ANGLE PROJECTION

IMPERIAL INCH FORMAT:
UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES WITH
METRIC CONVERSIONS IN [MILLIMETERS]

TITLE
INSTALLATION INSTRUCTIONS
VECTOR MT REMOTE EVAPORATORS

DRAWING NO. 98-03339 SHEET 15 OF

REV D

SUPERSEDES:

PART CLASSIFICATION: US SEE CHART

DRAWING CLASSIFICATION: US EAR99

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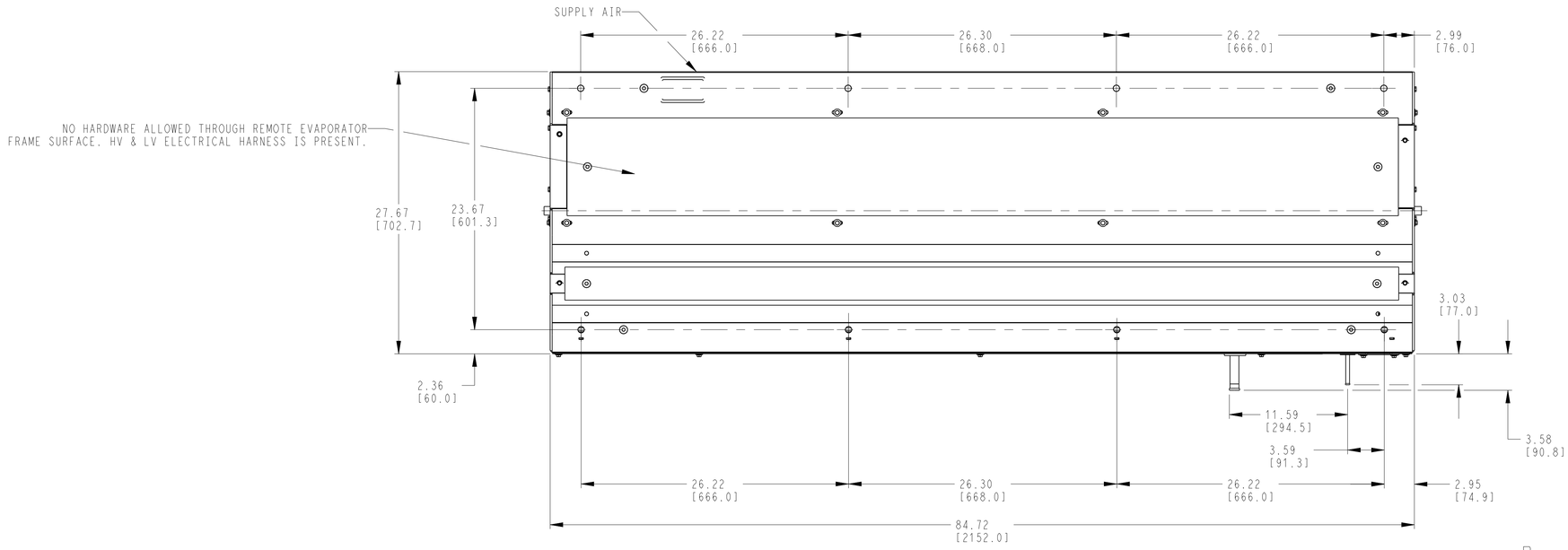
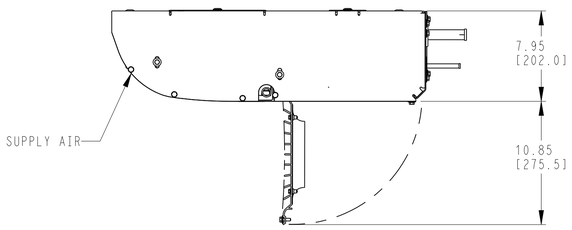
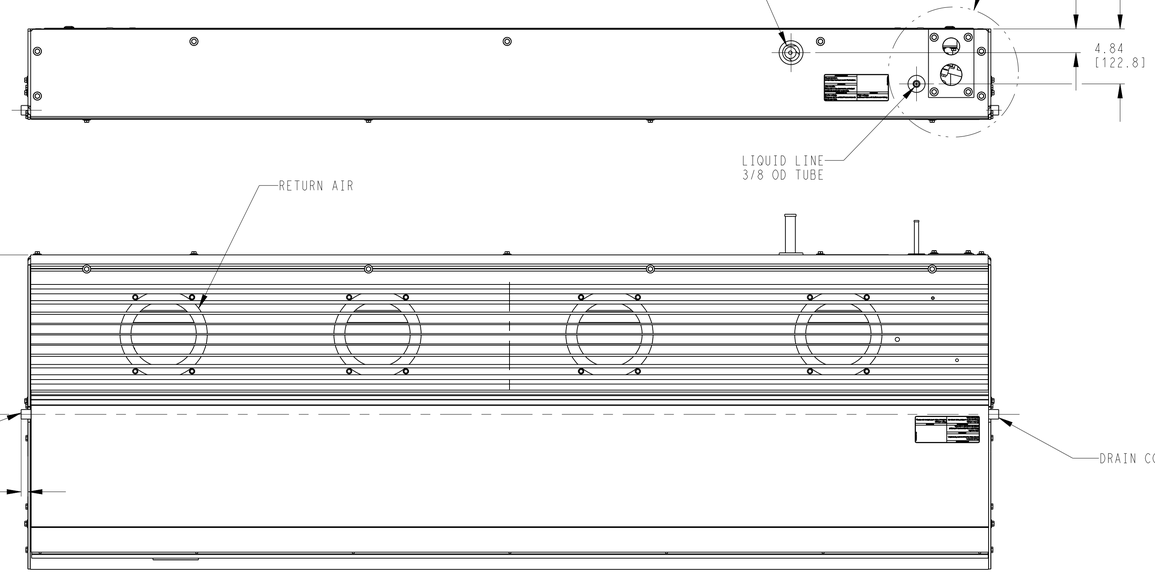
CONVERSION CHART	
DECIMAL INCHES	FRACTIONAL INCHES
0.79	25/32
1.68	1-11/16
1.81	1-13/16
2.31	2-5/16
2.32	2-5/16
2.44	2-7/16
2.95	2-15/16
3.88	3-15/16
4.31	4-5/16
4.45	4-7/16
7.87	7-7/8
10.85	10-27/32
13.90	13-29/32
15.42	15-13/32
23.62	23-5/8
26.22	26-7/32
26.30	26-5/16
27.56	27-9/16
66.61	66-5/8
84.65	84-21/32

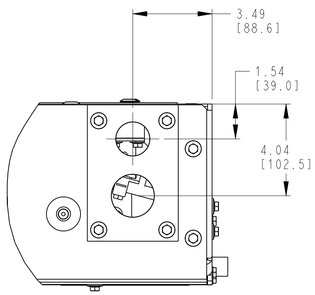




EVAPORATOR WEIGHT (APPROXIMATE) (D)

MJS-2200	220LBS [99.8KG]





DETAIL B
SCALE 0.300

MJS-2200-4

SYM	REVISION RECORD	DATE	BY	ENGR.	M.E.	NPCA NO.
D	WAS SHT 17; WEIGHT WAS 204LBS; ADDED "APPROXIMATE" TO WEIGHT	09JUN2020	KFV	KS		ECN1132619
A	INITIAL RELEASE.	21 OCT 2014	LT-SS	JC		72N0330P14

THIRD ANGLE PROJECTION

IMPERIAL INCH FORMAT:
UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES WITH
METRIC CONVERSIONS IN [MILLIMETERS]

TITLE: INSTALLATION INSTRUCTIONS
VECTOR MT REMOTE EVAPORATORS

DRAWING NO. 98-03339 SHEET 16 OF

REV D

SUPERSEDES:

PART CLASSIFICATION: US SEE CHART

DRAWING CLASSIFICATION: US EAR99