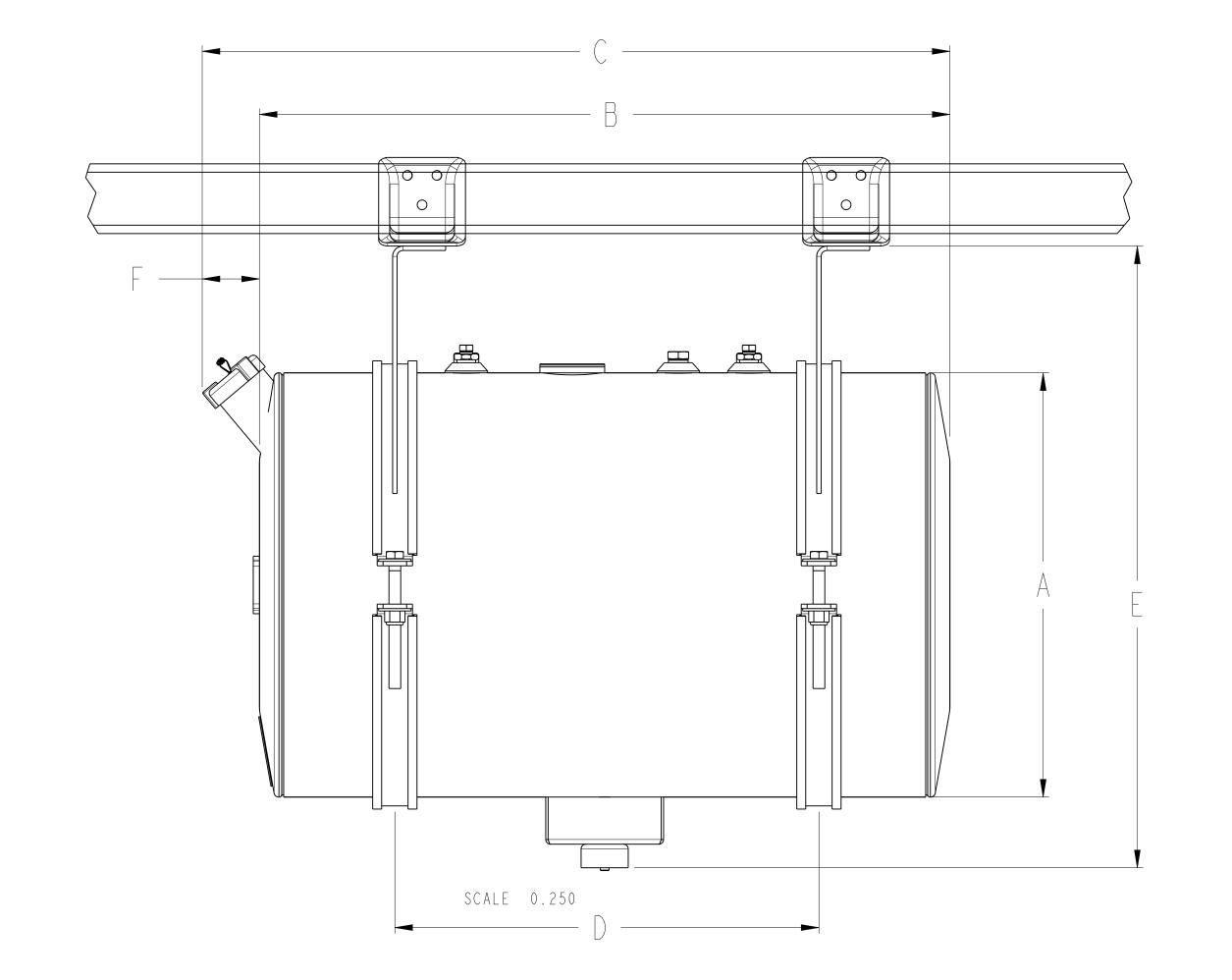
Carrier Transicold Division Carrier Corporation P.O. Box 4805 Syracuse, New York 13221

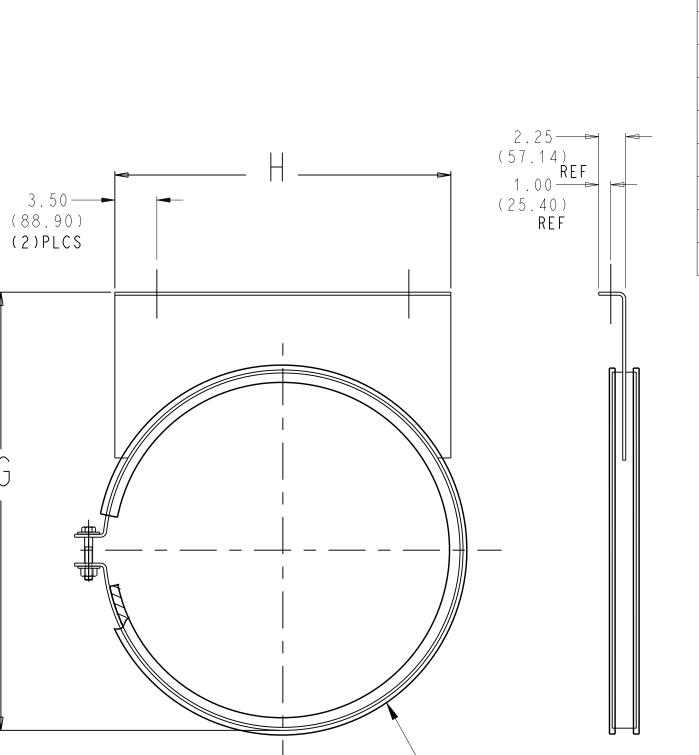
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|  | CTD FUEL TANK INSTALLATION KIT PART NUMBER ELECTRIC FUEL PUMP | U.S.<br>ECCN | CTD FUEL TANK<br>ASSY. WITH STRAPS<br>& DATALINK PORT | U.S. GAL.<br>(NOMINAL) | A<br>(INCHES) | B (INCHES) | C (INCHES) | D (INCHES) | E (INCHES) | F (INCHES) | G<br>(INCHES) | H<br>(INCHES) | DRAIN          | F I L L<br>T Y P E | DRY<br>WEIGHT<br>INSTALLED<br>(LBS.) | TANK<br>MATERIAL |
|--|---|--------------|---|------------------------|---------------|------------|------------|------------|------------|------------|---------------|---------------|----------------|--------------------|--------------------------------------|------------------|
|  | 98-02236-01   | E A R 9 9    | 79-01467-00   | 50                     | 18.00         | 50.00      | 54.19      | 27.00      | 26.42      | 1.84       |               |               | BOTTOM<br>SUMP | SINGLE -           | 122                                  | STEEL            |
|  | 98-02236-02   | E A R 9 9    | 79-02333-00   | 30                     |               | 29.50      | 31.34      | 14.00      |            |            |               |               |                |                    |                                      | A L LIM T NILIM  |
|  |   | E A R 9 9    | 79-02333-01   | 50                     |               | 50.00      | 51.84      | 27.00      |            |            | 23.38         | 3.38 20.00    |                |                    |                                      |                  |
|  | 98-02236-03   | E A R 9 9    | 79-02333-02   | 30                     |               | 29.50      | 31.34      | 18.00      |            |            |               |               |                |                    |                                      |                  |
|  | 98-02236-04   | EAR99        | 79-02333-03   | 30                     |               | 29.50      |            | 18.00      |            |            |               |               |                |                    | SIDE                                 |                  |
|  | 98-02236-05   | EAR99        | 79-02333-04   | 30                     |               | 29.50      | 31.34      | 18.00      |            | 7.84       |               |               | DRAIN          | SINGLE             |                                      |                  |
|  | 98-02236-06   | EAR99        | 79-02333-05   | 30                     |               | 29.50      |            | 18.00      |            |            |               |               | DRAIN          | SIDE               |                                      |                  |



<u>VIEW FROM FRONT</u>



0.53 17/32 0.63 5/8 1.25 1 - 1 / 4 1.50 1 - 1 / 2 1.56 1 - 9 / 1 6 1 - 5 / 8 1.62 1.75 1 - 3 / 4 1.84 1-27/32 1 - 7 / 8 1.88 2.25 2 - 1 / 4 3.06 3-1/16 3.50 3 - 1 / 2 3.62 3-5/8 3-11/16 3.69 3.75 3 - 3 / 4 3.88 3-7/8 23-3/8 23.38 26.42 26-27/64 27.44 27-7/16 29.50 29-1/2 31.34 31-11/32 51.84 | 51-27/32

54.19 | 54-3/16

CONVERSION CHART

DECIMAL FRACTIONAL INCHES | INCHES

3/8

13/32

7/16

0.38

0.41

0.44

THE INSTALLATION KIT FURNISHED WITH EACH FUEL TANK ASSY. CONSULT CARRIER TRANSICOLD SERVICE ENGINEERING FOR PROPER INSTALLATION OF OPTIONAL FEATURES NOT DETERMINED AS CARRIER SUPPLIED. 3. DIMENSIONS SHOWN ARE IN INCHES WITH EQUIVALENT MILLIMETERS IN CLOSED BRACKETS ( ).

4. THE TRAILER STRUCTURE MUST BE EVALUATED BY THE TRAILER MANUFACTURER TO DETERMINE ITS ABILITY TO WITHSTAND THE IMPOSED LOADS OVER ITS SERVICE LIFE. THESE GUIDELINES DO NOT CONVEY ENDORSEMENT OR WARRANTY BY CARRIER TRANSICOLD FOR THE STRUCTURAL INTEGRITY OF THE TRAILER. FUEL TANKS

1. CARRIER TRANSICOLD PROVIDES CIRCLED ITEM NUMBERS AS PART OF

INSTALLED IN ACCORDANCE WITH THESE GUIDELINES WILL PROVIDE ADEQUATE SUPPORT IN NORMAL SERVICE ENVIRONMENTS INCLUDING INTERMODAL APPLICATIONS. 4.1 FUEL TANK SUPPORT STRAPS MUST ATTACH TO THREE STEEL CROSS MEMBERS FOR 30 TO 50 GALLON TANK CAPACITIES.

4.2 FUEL TANK SUPPORT STRAPS WILL INTERFACE WITH THREE CROSS MEMBERS IF THEY ARE ON 12-INCH CENTERS. CROSS MEMBERS ON 15-INCH CENTERS WILL REQUIRE A STRUCTURAL STEEL CHANNEL TO SPAN THEM. THIS CHANNEL IS NOT SUPPLIED BY CARRIER TRANSICOLD. 4.3 DELETED

4.4 INSTALL MYLAR SPACERS (ITEM 34) BETWEEN FUEL TANK HANGER BRACKETS (ITEM 50)AND BACKING PLATES (ITEM 51) AND TRAILER I-BEAMS.

4.5 INSTALL MYLAR WASHERS ON BOLTS (ITEM 20) AND NUTS (ITEM 12) WHERE THEY CONTACT FUEL TANK HANGER BRACKETS AND BACKING PLATES.

5. RECOMMENDED TORQUE VALUES FOR FURNISHED LOCK NUTS ARE AS FOLLOWS:

BOLT/THREAD TORQUE (FT-LB) 1 / 4 - 20 3/8-24 1/2-13 60-EXCEPT AS NOTED

EACH INSTALLATION KIT CONTAINS SUFFICIENT CLAMPS AND GROMMETS FOR FUEL LINE ROUTING AND SECUREMENT. THE INSTALLER MAY ROUTE FUEL LINES THRU CONDUIT, 3/4 INCH (75) MINIMUM, AS AN ALTERNATE TO USING GROMMETS. (CONDUIT NOT FURNISHED AS PART OF INSTALLATION KIT.

EACH INSTALLATION KIT CONTAINS SUFFICIENT CLAMPS AND HARDWARE FOR SECURING THE FUEL PUMP CABLE. ROUTING OF THE CABLE MAY BE ACCOMPLISHED BY EITHER OF THE FOLLOWING METHODS -WITH THE 1/4 INCH O.D. FUEL LINE THRU GROMMETS PROVIDED.

-THRU FREE SPACE IN SUCH A MANNER AS TO PREVENT PHYSICAL DAMAGE. (NOTE: ADDITIONAL CLAMPS MAY BE REQUIRED WITH THIS METHOD OF ROUTING.)

-THRU CONDUIT (NOT FURNISHED AS PART OF INSTALLATION

8. USE PIPE SEALANT ON ALL PIPE CONNECTIONS (NOT FURNISHED AS PART OF INSTALLATION KIT).

9. INSTALL UNIONS (ITEMS 29 & 30) IN FUEL TANK USING PIPE SEALANT ON PIPE THREADS. WHEN INSTALLING FLEXIBLE TUBE INTO THE TANK PAST THE TUBES, BOTH SUPPLY RETURN, THROUGH THE FITTING AND PUSH TUBES TO THE BOTTOM OF THE TANK. WHEN THE TUBES REACH THE BOTTOM OF THE TANK, PULL THEM BACK UP APPROXIMATELY 1.00 INCH, THEN TIGHTEN THE COMPRESSION NUT.

> FOR SEPARATE ELECTRIC FUEL PUMP FIELD KIT ORDER NO. 76-00295-06

## TANK STRAP & GASKET DETAIL

—INSTALL GASKET MATERIAL TO INSIDE OF TANK STRAP AS SHOWN

NOTE: ADD GASKET SUPPLIED W/STRAP PACKAGE PRIOR TO MOUNTING STRAP TO TANK

| J   | UPDATED SHEET INDEX, SEE SHEET 4.   | 10 FEB 2020 | LT-RP | JM    |      | 72N0333P19 |
|-----|---|-------------|-------|-------|------|------------|
| Н   | UPDATED SHEET INDEX, SEE SHEET 3.   | 18 SEP 2019 | LT-SN | RC    |      | 72N0274P19 |
| G   | ADDED -04 SIDE FILL WITH SUMP.ADDED -05 AND -06 DRAIN OPTIONS REVISED SHEET 4   | 24APR2018   | KEJ   |       |      | 72N0231P18 |
| F   | ADDED -03 (W/ SENSOR FLANGE) SIMILAR TO 65-00210. ADDED U.S. ECCN COLUMN. DELETED NOTE 4.3. UPDATED FRONT VIEW WITH MODEL. DELETED SHEET 5, UPDATED FORMAT. | 13FEB2018   | KEJ   |       |      | 72N0205P18 |
| E   | REDRAWN IN PRO/E. ADDED NOTE 4.0 AND 4.5.   | 21 MAR 13   | ZMG   |       |      | 72N0229P13 |
| SYM | REVISION RECORD   | DATE        | ВҮ    | ENGR. | M.E. | NPCA NO.   |

THIRD ANGLE PROJECTION

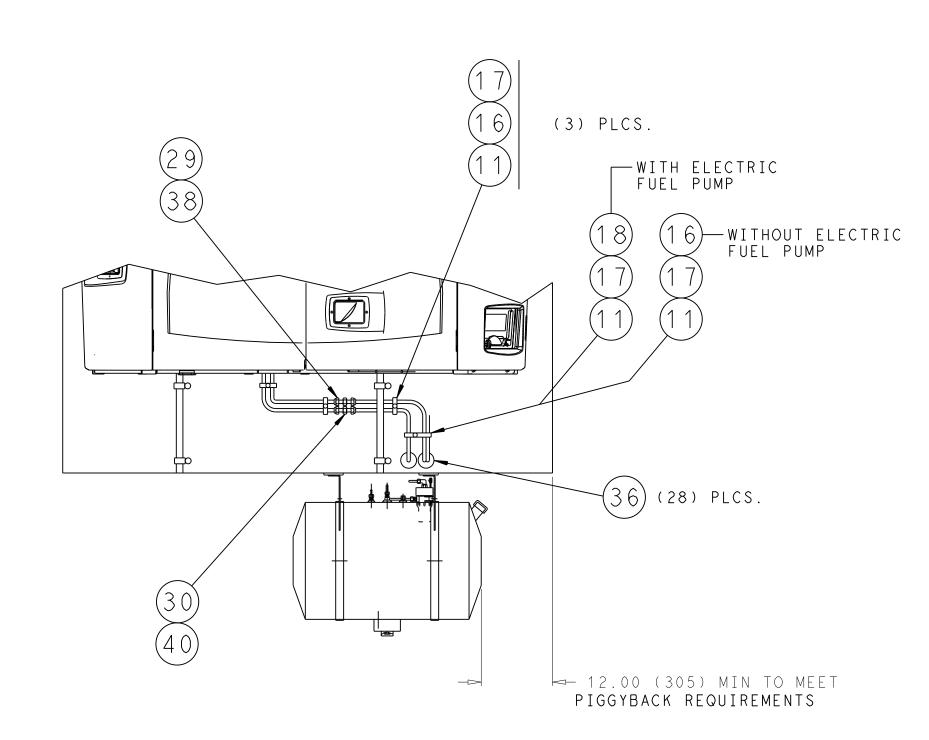
IMPERIAL INCH FORMAT: UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES WITH METRIC CONVERSIONS IN [MILLIMETERS] TITLE INSTALLATION INSTRUCTIONS 18" DIA FUEL TANKS, 30 & 50 GALLONS

SUPERSEDES:

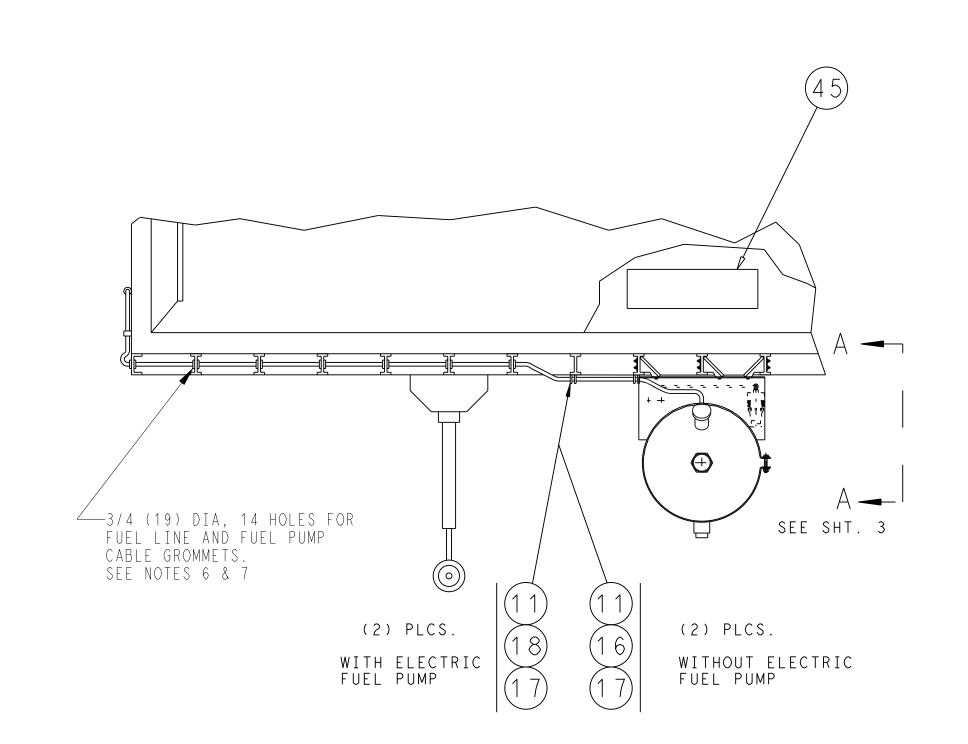
SHEET INDEX SHEET DRAWING NO. 98-02236

SHEET 1 OF 4

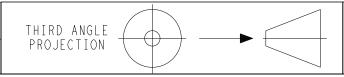
PART CLASSIFICATION: US SEE CHART



TYPICAL TANK ARRANGEMENT



| E   | REDRAWN IN PRO/E. REMOVED FUSE LOCATIONS FOR NDA, NDB/S, &NDJ/F. | 21 MAR 13 | ZMG |       | 72N0229P13 |          |
|-----|--|-----------|-----|-------|------------|----------|
| SYM | REVISION RECORD  | DATE      | ВҮ  | ENGR. | M . E .    | NPCA NO. |



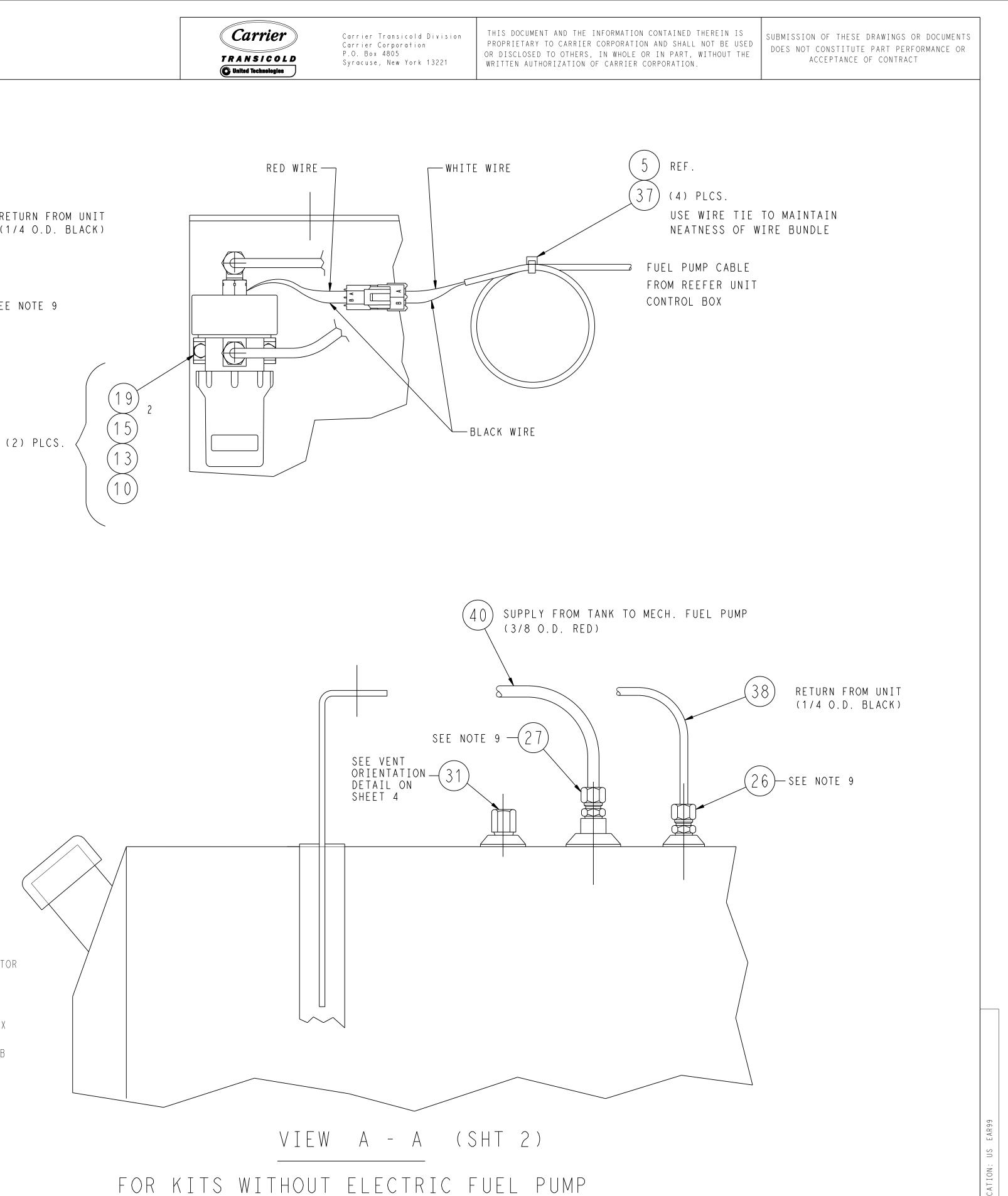
IMPERIAL INCH FORMAT:
UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES WITH
METRIC CONVERSIONS IN [MILLIMETERS]

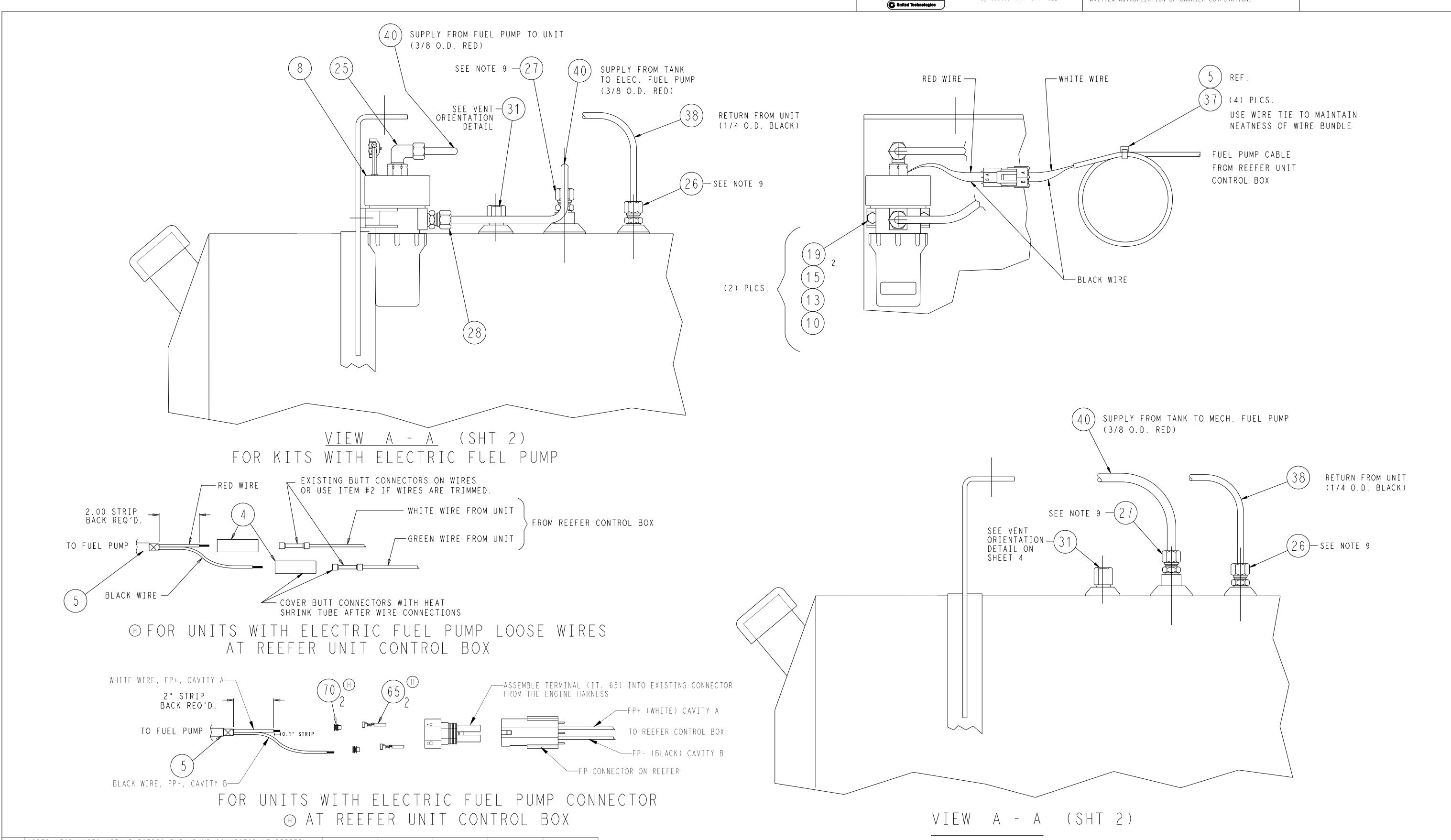
INSTALLATION INSTRUCTIONS
18" DIA FUEL TANKS, 30 & 50 GALLONS

DRAWING NO.

98-02236
SHEET 2 OF

SUPERSEDES: \_\_\_\_\_ PART CLASSIFICATION: US SEE CHART





ADDED "FOR UNITS WITH ELECTRIC FUEL PUMP CONNECTOR AT REEFER UNIT CONTROL BOX" VIEW & ADDED IT. 65, 2 QTY & IT. 70, 2 QTY. UPDATED NOTE "FOR UNITS WITH ELECTRIC FUEL PUMP LOOSE WIRES AT 18 SEP 2019 LT-SN 72N0274P19 RC REEFER UNIT CONTROL BOX" 72N0205P18 F REMOVED REFERENCES TO 75, 100 & 120 GAL TANKS 9MAR2018 KEJ REDRAWN IN PRO/E. PICTORIALLY UPDATED FUEL PUMP 20 MAR 13 ZMG 72N0229P13 REVISION RECORD ENGR. М.Е NPCA NO.

THIRD ANGLE PROJECTION

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

INSTALLATION INSTRUCTIONS 18" DIA FUEL TANKS, 30 & 50 GALLONS

DRAWING NO. 98-02236 SHEET 3 OF

SUPERSEDES:

PART CLASSIFICATION: US SEE CHART

