

# WEIGH-TRONIX



## WI-150 Control Document

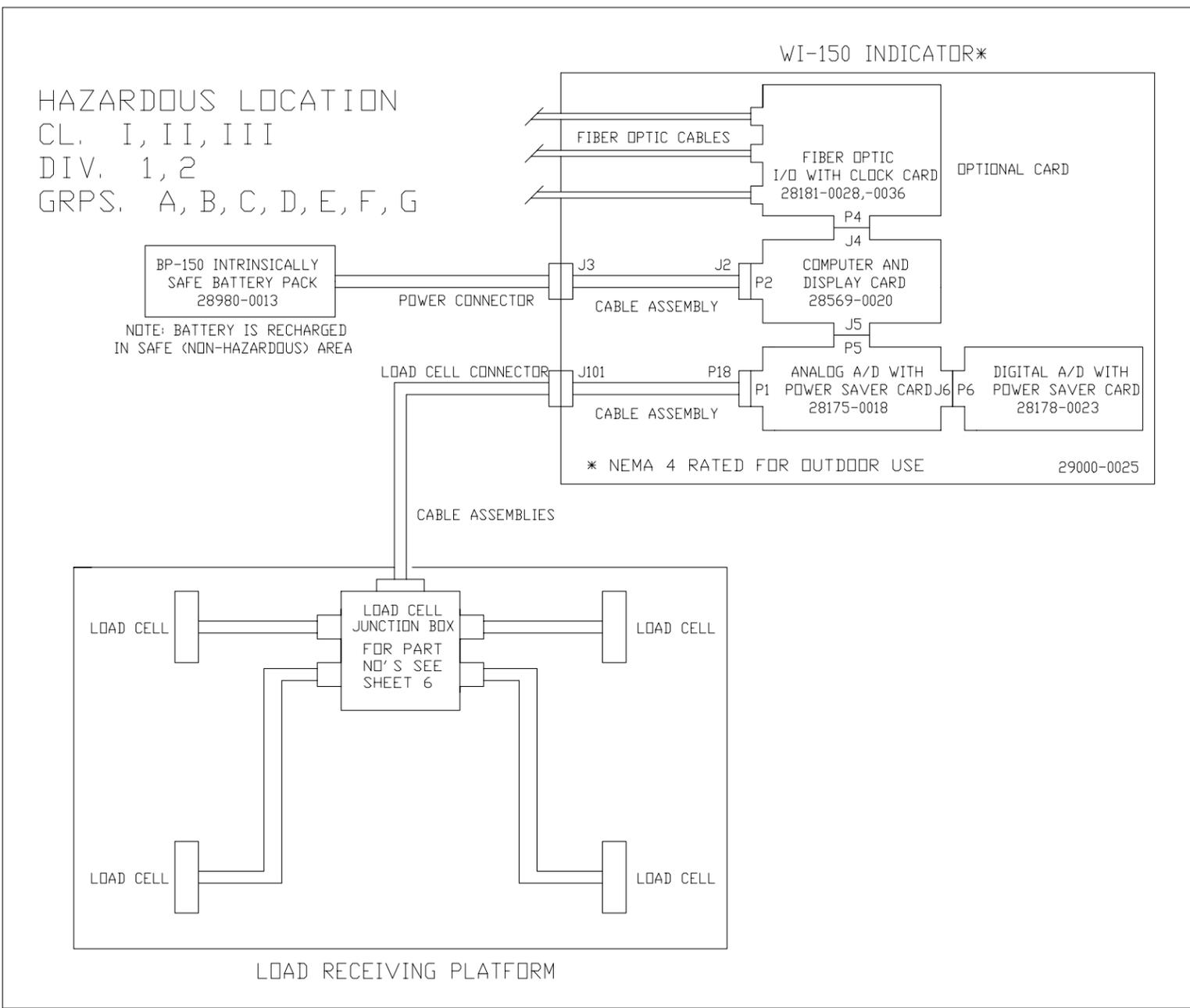
***All Weigh-Tronix products bearing the Factory Mutual seal are designed and manufactured according to the guidelines set forth by Factory Mutual Research. It is the responsibility of the owners to gain approval from their insurance companies for the suitability of the Weigh-Tronix equipment and installation for their particular environment and use of the product.***

***Weigh-Tronix warrants that the equipment delivered by it will be of the kind and quality described in the order or contract and will be free of defects in workmanship and material. Should any failure to conform to this warranty appear in two years, Weigh-Tronix shall, at its option, either repair or replace any defective part.***

***This warranty is in lieu of all warranties of merchantability, fitness for particular purpose, or any other warranties, express or implied. Weigh-Tronix shall not be liable for special, indirect, incidental, or consequential damages. The remedies set forth above are exclusive, and the liability of Weigh-Tronix shall not exceed the price of the equipment or part.***



8 7 6 5 4 3 2 1



| REVISIONS |     |   |          |              |      |
|-----------|-----|---|----------|--------------|------|
| ZONE      | LTR | DESCRIPTION   | BY       | DATE         | APPR |
|           | A   | CHG'D TO AUTOCAD FORMAT ADDED SHT 2, 3&4 ECD 8425   | J. Owens | 1992 19 AUG  | MWZ  |
|           | B   | DELETE DN SHT 4 13690-, 14242-, 13308-, 29337- ECD 8488   | J. Owens | 1992 10 SEPT | MWZ  |
|           | C   | ADDED SHT 2 & 6, ADDED TO SHT 4 & 5 ECD 8633  | J. Owens | 1992 2 DEC   | MWZ  |
|           | D   | ADD: 28181-0036 & TO SHT 5 ECD 9120   | J. Owens | 1993 14 AUG  | MWZ  |
|           | H   | CHG. TEXT AT 58 WAS SEE SHEET 5, 13644, 17661, 19672 & 28967 CABLE ASSY'S ARE NO LONGER CALLED OUT, 28175-0018 AND 28178-0023 WERE 27175 & 27178, DCN 14788 | LSB      | 10DEC99      | BAC  |

NOTICE !  
CHANGES TO THIS DRAWING REQUIRE DOCUMENT CONTROL PRE-APPROVAL FROM FACTORY MUTUAL RESEARCH

- NOTES:
- INSTALLATION MUST BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND ANSI/ISA RP 12. 6.
  - LOAD CELL LISTED ON SHEETS 4 THRU 8 HAVE A TEMPERATURE RATING OF T4.
  - THERE MUST BE NO CHANGE TO THIS DRAWING WITHOUT PRIOR WRITTEN AUTHORIZATION FROM FACTORY MUTUAL RESEARCH CORPORATION.

DWG. NO. 29274-0016

| -012  | -011 | -010 | -009 | -008 | -007 | -006 | -005 | -004 | -003 | -002 | -001 | ITEM NO. | SIZE | PART NO. | * | DESCRIPTION | REF. DESIG. |
|---|------|------|------|------|------|------|------|------|------|------|------|----------|------|----------|---|-------------|-------------|
| QUANTITY PER DASH NO.   |      |      |      |      |      |      |      |      |      |      |      |          |      |          |   |             |             |
| BILL OF MATERIALS   |      |      |      |      |      |      |      |      |      |      |      |          |      |          |   |             |             |
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES (XXX) DENOTES REFERENCE DATA / (mm) DENOTES METRIC DIMENSIONS |      |      |      |      |      |      |      |      |      |      |      |          |      |          |   |             |             |
| 2 PLACE DECIMALS ± -  |      |      |      |      |      |      |      |      |      |      |      |          |      |          |   |             |             |
| 3 PLACE DECIMALS ± -  |      |      |      |      |      |      |      |      |      |      |      |          |      |          |   |             |             |
| ANGLES ± -  |      |      |      |      |      |      |      |      |      |      |      |          |      |          |   |             |             |
| HOLE DIA TOLERANCES:  |      |      |      |      |      |      |      |      |      |      |      |          |      |          |   |             |             |
| 0.00-250 +.003/- .002   |      |      |      |      |      |      |      |      |      |      |      |          |      |          |   |             |             |
| 251-500 +.005/- .003  |      |      |      |      |      |      |      |      |      |      |      |          |      |          |   |             |             |
| OVER .501 +.010/- .005  |      |      |      |      |      |      |      |      |      |      |      |          |      |          |   |             |             |
| THREADS:  |      |      |      |      |      |      |      |      |      |      |      |          |      |          |   |             |             |
| INT. EXT. CLASS CLASS   |      |      |      |      |      |      |      |      |      |      |      |          |      |          |   |             |             |
| 2B 2A   |      |      |      |      |      |      |      |      |      |      |      |          |      |          |   |             |             |
| MATERIAL:   |      |      |      |      |      |      |      |      |      |      |      |          |      |          |   |             |             |
| NOT APPLICABLE  |      |      |      |      |      |      |      |      |      |      |      |          |      |          |   |             |             |
| FINISH:   |      |      |      |      |      |      |      |      |      |      |      |          |      |          |   |             |             |
| NOT APPLICABLE  |      |      |      |      |      |      |      |      |      |      |      |          |      |          |   |             |             |
| APPROVALS: SIGNATURE & DATE   |      |      |      |      |      |      |      |      |      |      |      |          |      |          |   |             |             |
| DRAWN J. Owens 2 DEC 1992   |      |      |      |      |      |      |      |      |      |      |      |          |      |          |   |             |             |
| CHECKED:  |      |      |      |      |      |      |      |      |      |      |      |          |      |          |   |             |             |
| MECH. ENG.  |      |      |      |      |      |      |      |      |      |      |      |          |      |          |   |             |             |
| ELECT. ENG. M. Lundgreen 2 DEC 1992   |      |      |      |      |      |      |      |      |      |      |      |          |      |          |   |             |             |
| MACHINING DRAWINGS: REMOVE ALL BURRS AND SHARP EDGES  |      |      |      |      |      |      |      |      |      |      |      |          |      |          |   |             |             |
| MACHINED SURFACE FINISH UNLESS OTHERWISE INDICATED  |      |      |      |      |      |      |      |      |      |      |      |          |      |          |   |             |             |
| SCALE 1=1.125 DCN - SHEET 2 OF 8  |      |      |      |      |      |      |      |      |      |      |      |          |      |          |   |             |             |
| DRAWING NO. 29274 REV. H  |      |      |      |      |      |      |      |      |      |      |      |          |      |          |   |             |             |

D 29274 2 H

8 7 6 5 4 3 2 1

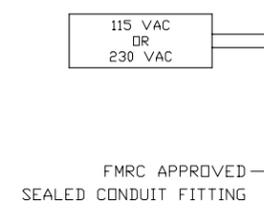
8 7 6 5 4 3 2 1

**HAZARDOUS LOCATION**  
CL. I, II, III  
DIV. 1  
GRPS. B, C, D, E, F, G

**HAZARDOUS LOCATION**  
CL. I, II, III  
DIV. 1, 2  
GRPS. A, B, C, D, E, F, G

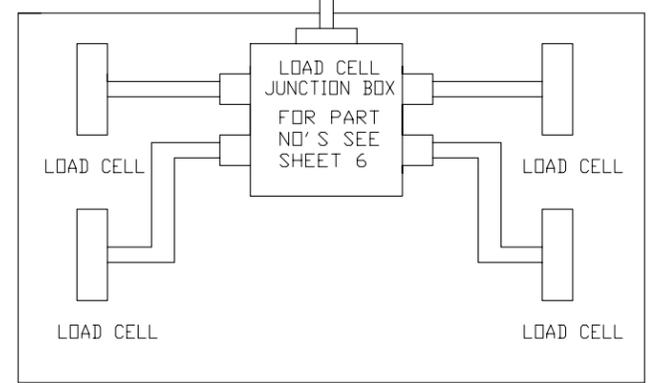
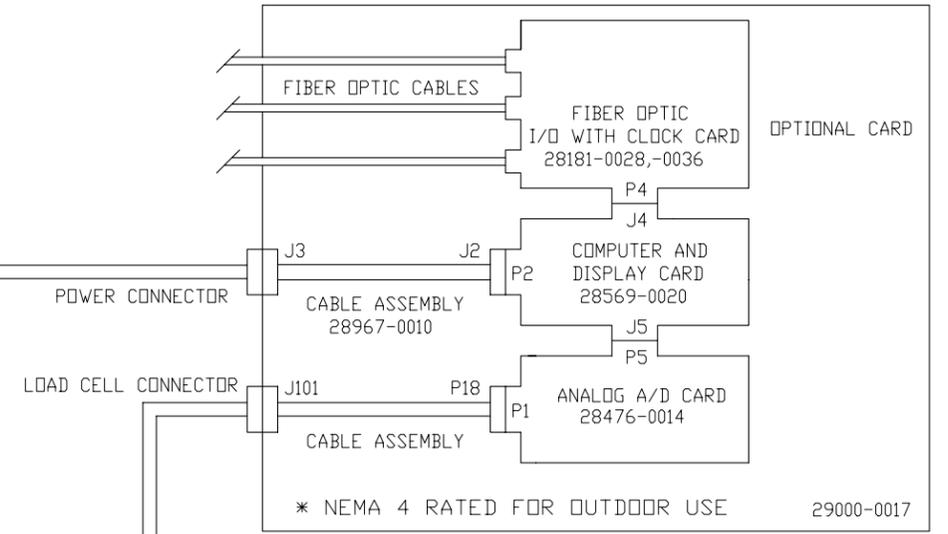
INTRINSICALLY SAFE OUTPUTS FOR  
CONNECTION TO CLASS I, II, III,  
DIV. 1, GRPS. A, B, C, D, E, F AND G

WI-150 INDICATOR\*



PS-150XP  
115 VAC 48171-0010  
230 VAC 48171-0028  
BROWN WIRE = LINE (LINE 1)  
BLUE WIRE = NEUTRAL (LINE 2)  
GREEN/YELLOW WIRE = CHASSIS GROUND  
GREEN WIRES = INTRINSIC SAFETY GND

CABLE ASSEMBLY  
50215-  
500 FT MAX. LENGTH



| REVISIONS |     |  |     |         |
|-----------|-----|--|-----|---------|
| ZONE      | LTR | DESCRIPTION  | BY  | DATE    |
| -         | H   | CHG. TEXT AT 4B WAS SEE SHEET 5, 13644,17661,13645 & 19572 ARE NO LONGER CALLED OUT. DCN 14788 | AAE | 10DEC99 |
| -         | -   | -  | -   | -       |
| -         | -   | -  | -   | -       |
| -         | -   | -  | -   | -       |
| -         | -   | -  | -   | -       |
| -         | -   | -  | -   | -       |
| -         | -   | -  | -   | -       |
| -         | -   | -  | -   | -       |
| -         | -   | -  | -   | -       |
| -         | -   | -  | -   | -       |

NOTES:

1. INSTALLATION MUST BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND ANSI/ISA RP 12.6.
2. LOAD CELL LISTED ON SHEETS 4 THRU 8 HAVE A TEMPERATURE RATING OF T4.
3. THERE MUST BE NO CHANGE TO THIS DRAWING WITHOUT PRIOR WRITTEN AUTHORIZATION FROM FACTORY MUTUAL RESEARCH CORPORATION.

NOTICE !  
CHANGES TO THIS DRAWING  
REQUIRE DOCUMENT CONTROL  
PRE-APPROVAL FROM  
FACTORY MUTUAL RESEARCH

DWG. NO. 29274-0016

| QTY   | PER DASH NO. | ITEM NO.   | SIZE | PART NO.   | DESCRIPTION | REF. DESIG. |
|---|--------------|--|------|--|-------------|-------------|
| BILL OF MATERIALS   |              |  |      |  |             |             |
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES (XXX) DENOTES REFERENCE DATA / (mm) DENOTES METRIC DIMENSIONS |              |  |      |  |             |             |
| 2 PLACE DECIMALS ± -  |              | APPROVALS: SIGNATURE & DATE                        |      | WEIGH-TRONIX<br>FAIRMONT, MN 56031, U.S.A.           |             |             |
| 3 PLACE DECIMALS ± -  |              | DRAWN <i>Ereg Abal</i> 11 JAN 99                   |      | WI-150<br>INTERCONNECTION DRAWING                    |             |             |
| ANGLES ± -  |              | CHECKED  |      | DRAWING NO. 29274                                    |             |             |
| HOLE DIA. TOLERANCES  |              | MECH. ENG.   |      | REV. H   |             |             |
| 0.00-250 +.003/-0.02  |              | ELECT. ENG. <i>M. Lundgren</i> 11 JAN 99           |      | SCALE 1=1.125  |             |             |
| 251-500 +.005/-0.03   |              | FINISH   |      | DCN - SHEET 3 OF 8                                   |             |             |
| OVER .501 +.010/-0.05   |              | MATERIAL   |      | 1  |             |             |
| NOT APPLICABLE  |              | NOT APPLICABLE                                     |      | MACHINING DRAWINGS: REMOVE ALL BURRS AND SHARP EDGES |             |             |
| MACHINING DRAWINGS: REMOVE ALL BURRS AND SHARP EDGES  |              | MACHINED SURFACE FINISH UNLESS OTHERWISE INDICATED |      | ✓  |             |             |

D 29274 3 H

BENCH SCALE/ DECK SCALE WEIGH BARS  
RECTANGULAR GUIDED BEAM TYPE

| PART NUMBER | DESCRIPTION   |
|-------------|---|
| 23133-XXXX  | 50, 100 LB CAPACITY CONVEYOR W/B, 5 PIN CONNECTOR   |
| 21383-XXXX  | *30, 50, 100, 200 LB CAPACITY; 7 PIN CONNECTOR      |
| 21330-XXXX  | 30 THRU 200 LB CAPACITY; SPADE LUGS OR TINNED LEADS |
| 21944-XXXX  | 500, 1000 LB CAPACITY; 7 PIN CONNECTOR              |

DECK SCALE WEIGH BARS  
ROUND, SINGLE ENDED

| PART NUMBER | DESCRIPTION  |
|-------------|--|
| 16441-XXXX  | 125 LB CAPACITY, .50 DIA, 5 PIN CONNECTOR                                |
| 19176-XXXX  | 125 LB CAP, .50 DIA, SPADE LUG TERMINALS                                 |
| 23855-XXXX  | 125 LB CAP, .50 DIA, 5 PIN, WASH DOWN VERSION                            |
| 14700-XXXX  | 250 LB CAP, .62 DIA, 5 PIN CONNECTOR                                     |
| 19177-XXXX  | 250 LB CAP, .62 DIA, SPADE LUG TERMINALS                                 |
| 23816-XXXX  | 250 LB CAP, .62 DIA, 5 PIN, WASH DOWN                                    |
| 49400-XXXX  | 250 LB CAP, .81 DIA, TINNED LEADS  |
| 14701-XXXX  | 500 LB CAP, .81 DIA, 5 PIN CONNECTOR                                     |
| 19178-XXXX  | 500 LB CAP, .81 DIA, SPADE LUG TERMINALS                                 |
| 23827-XXXX  | 500 LB CAP, .81 DIA, 5 PIN CONNECTOR, WASH DOWN                          |
| 27836-XXXX  | 500 LB CAP, .81 DIA, LOW PROFILE DECK TYPE, 5 PIN CONNECTOR              |
| 45364-XXXX  | 500 LB CAP, .81 DIA, LOW PROFILE DECK TYPE, TINNED LEADS                 |
| 48303-XXXX  | 500 LB CAP, .81 DIA, TINNED LEADS  |
| 14702-XXXX  | 1250 LB CAP, 1.25 DIA, 5 PIN CONNECTOR                                   |
| 19179-XXXX  | 1250 LB CAP, 1.25 DIA, SPADE LUG TERMINALS                               |
| 23832-XXXX  | 1250 LB CAP, 1.25 DIA, 5 PIN CONNECTOR, WASH DOWN                        |
| 27795-XXXX  | 1250 LB CAP, 1.25 DIA, LOW PROFILE DECK TYPE, 5 PIN CONNECTOR            |
| 28153-XXXX  | 1250 LB CAP, 1.25 DIA, LOW PROFILE DECK TYPE, 5 PIN CONN, WASH DOWN      |
| 29884-XXXX  | 1250 LB CAP, 1.25 DIA, LOW PROFILE DECK TYPE, 5 PIN, EPOXY PAINT         |
| 49860-XXXX  | 1250 LB CAP, 1.25 DIA, UNTINNED LEADS                                    |
| 14703-XXXX  | 2500 LB CAP, 1.62 DIA, 5 PIN CONNECTOR                                   |
| 19180-XXXX  | 2500 LB CAP, 1.62 DIA, SPADE LUG TERMINALS                               |
| 23850-XXXX  | 2500 LB CAP, 1.62 DIA, 5 PIN CONNECTOR, WASH DOWN                        |
| 27977-XXXX  | 2500 LB CAP, 1.62 DIA, LOW PROFILE DECK TYPE, 5 PIN CONNECTOR            |
| 28154-XXXX  | 2500 LB CAP, 1.62 DIA, LOW PROFILE DECK TYPE, 5 PIN CONNECTOR, WASH DOWN |
| 49619-XXXX  | 2500 LB CAP, 1.62 DIA, UNTINNED LEADS                                    |
| 13498-XXXX  | 5000 LB CAP, 2.00 DIA, 5 PIN CONNECTOR                                   |
| 17257-XXXX  | 5000 LB CAP, 2.00 DIA, SPADE LUG TERMINALS                               |
| 23852-XXXX  | 5000 LB CAP, 2.00 DIA, 5 PIN CONNECTOR, WASH DOWN                        |
| 28074-XXXX  | 5000 LB CAP, 2.00 DIA, CONNECTOR OR LEADS                                |
| 13851-XXXX  | 10,000 LB CAP, 2.50 DIA, 5 PIN CONNECTOR                                 |
| 17255-XXXX  | 10,000 LB CAP, 2.50 DIA, SPADE LUG TERMINALS                             |
| 28293-XXXX  | 10,000 LB CAP, 2.50 DIA, 5 PIN CONNECTOR, WASH DOWN                      |
| 16456-XXXX  | 20,000 LB CAP, 3.25 DIA, 5 PIN CONNECTOR                                 |
| 17256-XXXX  | 20,000 LB CAP, 3.25 DIA, SPADE LUG TERMINALS                             |
| 41035-XXXX  | WBL - 1.25 K, EPOXY PAINT W/MODIFIABLE CABLE                             |
| 41036-XXXX  | WBL - 2.50 K, EPOXY PAINT W/MODIFIABLE CABLE                             |
| 41037-XXXX  | WBL - 5.00 K, EPOXY PAINT W/MODIFIABLE CABLE                             |

\* XXXX DENOTES THE LAST FOUR DIGITS OF THE PART NUMBER WHICH, FOR EACH DRAWING, DESIGNATE VARIATIONS IN CABLE LENGTHS, CAPACITIES, TYPE, OR NTEP VS NON-NTEP MODELS.

**NOTICE !**  
CHANGES TO THIS DRAWING  
REQUIRE DOCUMENT CONTROL  
PRE-APPROVAL FROM  
FACTORY MUTUAL RESEARCH

TRUCK SCALE WEIGH BARS

| PART NUMBER | DESCRIPTION   |
|-------------|---|
| 18824-XXXX  | PITLESS MOTOR TRUCK SCALE, 37.5K LB CAPACITY, 5 PIN CONNECTOR                 |
| 17604-XXXX  | PITLESS MOTOR TRUCK SCALE, 37.5K LB CAPACITY, SPADE LUG TERMINALS             |
| 27173-XXXX  | PITLESS MOTOR TRUCK SCALE, 50K LB CAPACITY, 5 PIN CONNECTOR                   |
| 20799-XXXX  | PITLESS MOTOR TRUCK SCALE, 75K LB CAPACITY, 5 PIN CONNECTOR                   |
| 24203-XXXX  | PITLESS MOTOR TRUCK SCALE, 75K LB CAPACITY, SPADE LUG TERMINALS               |
| 14031-XXXX  | PIT TYPE MOTOR TRUCK SCALE; 33K, 37.5K, AND 40K CAPACITY; SPADE LUG TERMINALS |
| 20455-XXXX  | PIT TYPE MOTOR TRUCK SCALE; 50K AND 75K LB CAP; SPADE LUG TERMINALS           |
| 50104-XXXX  | WBT - 50.0 K BRIDGEMONT   |
| 50935-XXXX  | WBT - 60.0 K BRIDGEMONT   |

CONVERSION KIT WEIGH BARS  
LEVER TO ELECTRONIC TYPE TRUCK SCALE

| PART NUMBER | DESCRIPTION  |
|-------------|--|
| 18583-XXXX  | CONVERSION KIT, "S" TYPE; 250, 500, AND 1000 LB CAPACITIES         |
| 22256-XXXX  | CONVERSION KIT, "S" TYPE; 2500 LB CAPACITY                         |
| 13434-XXXX  | CONVERSION KIT, SINGLE ENDED; 250, 375, 500, 667, 1000 LB CAPACITY |
| 13863-XXXX  | CONVERSION KIT, SINGLE ENDED; 500, 1587, 2000, 2500 LB CAPACITY    |

MONORAIL WEIGH BARS

| PART NUMBER | DESCRIPTION                            |
|-------------|--|
| 17142-XXXX  | MONORAIL; 1000, 2000, 5000 LB CAPACITY |

| REVISIONS |     |   |         |             |      |
|-----------|-----|---|---------|-------------|------|
| ZONE      | LTR | DESCRIPTION   | BY      | DATE        | APPR |
|           | A   | CHG'D TO AUTOCAD FORMAT ADDED SHT 2, 3&4 ECD 8425                     | J. Owen | 1992 19 AUG | MWZ  |
|           | E   | ADD: 29884- ECD 9272  | J. Owen | 1993 22 NOV | MWZ  |
|           | F   | ADD: 49400, 48303, 49860, 49619, 28074, 28074. SEE SHEET 5. ECD 12362 | J. Owen | 1996 15 OCT | MWZ  |
|           | H   | ADD: 23133, 41035, 41036, 41037, 50104 & 50935. DCN 14788             | SJP     | 10DEC99     | BAC  |

|   |      |      |      |      |      |   |      |      |  |      |      |                                    |  |          |               |             |
|---|------|------|------|------|------|---|------|------|--|------|------|------------------------------------|--|----------|---------------|-------------|
| -012  | -011 | -010 | -009 | -008 | -007 | -006  | -005 | -004 | -003   | -002 | -001 | ITEM NO.                           | QTY  | PART NO. | * DESCRIPTION | REF. DESIG. |
| QUANTITY PER DASH NO.   |      |      |      |      |      |   |      |      |  |      |      |                                    | B I L L O F M A T E R I A L S              |          |               |             |
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES (XXX) DENOTES REFERENCE DATA / (mm) DENOTES METRIC DIMENSIONS   |      |      |      |      |      |   |      |      |  |      |      |                                    | WEIGH-TRONIX<br>FAIRMONT, MN 56031, U.S.A. |          |               |             |
| 2 PLACE DECIMALS ± -<br>3 PLACE DECIMALS ± -<br>ANGLES ± -  |      |      |      |      |      | APPROVALS: SIGNATURE & DATE<br>DRAWN <i>Jon Owen</i> 19 AUG 92    |      |      | WI-150<br>INTERCONNECTION DRAWING                  |      |      |                                    |  |          |               |             |
| HOLE DIA TOLERANCES<br>0.00-250 +.003/-002<br>251-500 +.005/-003<br>OVER 501 +.010/-005   |      |      |      |      |      | CHECKED<br>MECH. ENG.<br>ELECT. ENG. <i>M. Lundgren</i> 19 AUG 92 |      |      |  |      |      | SIZE<br>D DRAWING NO.<br>29274     |  |          |               |             |
| APPLICATION<br>EXCEPT AS MAY BE OTHERWISE PROVIDED BY CONTRACT, THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF WEIGH-TRONIX, INC. ARE ISSUED IN STRICT CONFIDENCE, AND SHALL NOT BE REPRODUCED, OR COPIED, OR USED AS THE BASIS FOR THE MANUFACTURE OR SALE OF APPARATUS WITHOUT PERMISSION. |      |      |      |      |      | MATERIAL<br>NOT APPLICABLE  |      |      | FINISH<br>NOT APPLICABLE                           |      |      | REV.<br>H                          |  |          |               |             |
| * IN PART NO. COLUMN DENOTES VENDOR ITEM, SEE SOURCE OR SPECIFICATION CONTROL DRAWING<br>DO NOT SCALE DRAWING   |      |      |      |      |      | MACHINING DRAWINGS: REMOVE ALL BURRS AND SHARP EDGES              |      |      | MACHINED SURFACE FINISH UNLESS OTHERWISE INDICATED |      |      | SCALE 1=1<br>DCN -<br>SHEET 4 OF 8 |  |          |               |             |

| REVISIONS |     |  |         |             |      |
|-----------|-----|--|---------|-------------|------|
| ZONE      | LTR | DESCRIPTION  | BY      | DATE        | APPR |
|           | A   | CHG'D TO AUTOCAD FORMAT ADDED SHT 2, 3&4 ECD #8425   | J. Owen | 1992 19 AUG | MWZ  |
|           | C   | ADDED 45838-XXXX & 45943-XXXX ECD 8633   | J. Owen | 1992 2 DEC  | MWZ  |
|           | E   | ADDED 46457- & 46391- & 46134- & 46135- ECD 9272   | J. Owen | 1993 23 NOV | MWZ  |
|           | F   | ADDED 47716-, 47717-, 47866-, 47869-, 47825-, 47870-, 47867-, 47871-, 47868-, 47872-, 48103-, 48262-, 48120-, 48126-, 49098-, 49099-, 49100- DEL: 17242- ECD 12362   | J. Owen | 1996 15 OCT | MWZ  |
|           | H   | DEL: ALL OF FARM EQUIP WB- FULL BRIDGE, 17242, 17029, 20094 & 21623 DOUBLE ENDED BATCHING W/B'S, ADD: BOLTDOWN BATCHING WEIGH BARS, 52241 & 51203 SST W/B'S, 51732, 52250 & 47812 FOREIGN DECK W/B'S, CHG: 19546 DOUBLE ENDED BATCHING W/B WAS 5000 LB CAPACITY, 5 PIN CONN. DCN 14788 | J.O.B.  | 10DEC99     | BAK  |

FOREIGN DECK WEIGH BARS

| PART NUMBER | DESCRIPTION                                  |
|-------------|--|
| 29291-XXXX  | 500 LB CAPACITY, DECK TYPE                   |
| 29292-XXXX  | 500 LB CAPACITY, LOW PROFILE DECK TYPE       |
| 29293-XXXX  | 1250 LB CAPACITY, DECK TYPE                  |
| 29294-XXXX  | 1250 LB CAPACITY, LOW PROFILE DECK TYPE      |
| 29295-XXXX  | 2500 LB CAPACITY, DECK TYPE                  |
| 29296-XXXX  | 2500 LB CAPACITY, LOW PROFILE DECK TYPE      |
| 29864-XXXX  | 5000 LB CAPACITY, DECK TYPE                  |
| 29865-XXXX  | 10,000 LB CAPACITY, DECK TYPE                |
| 47812-XXXX  | 500 LB CAPACITY, 2 mV/V                      |
| 47811-XXXX  | 500 LB CAPACITY WBP, 5 PIN CONNECTOR, 2 mV/V |
| 51732-XXXX  | 1250 LB CAPACITY WBL, 5 PIN CONNECTOR        |
| 52250-XXXX  | 5000 LB CAPACITY WBL, 5 TINNED LEADS         |

BOLTDOWN BATCHING WEIGH BARS

| PART NUMBER | DESCRIPTION                        |
|-------------|------------------------------------|
| 50661-XXXX  | WBP - .125 K BOLTDOWN TINNED LEADS |
| 50662-XXXX  | WBP - .250 K BOLTDOWN TINNED LEADS |
| 50663-XXXX  | WBP - .500 K BOLTDOWN TINNED LEADS |
| 50664-XXXX  | WBP - 1.25 K BOLTDOWN TINNED LEADS |
| 50665-XXXX  | WBP - 2.50 K BOLTDOWN TINNED LEADS |
| 50666-XXXX  | WBP - 5.00 K BOLTDOWN TINNED LEADS |
| 50667-XXXX  | WBP - 10.0 K BOLTDOWN TINNED LEADS |

BATCHING WEIGH BARS  
DOUBLE ENDED

| PART NUMBER | DESCRIPTION  |
|-------------|--|
| 18265-XXXX  | 250, 500 LB CAPACITY, 5 PIN CONNECTOR                    |
| 18304-XXXX  | 250, 500 LB CAPACITY, SPADE LUG TERMINALS                |
| 18303-XXXX  | 1000, 1250 LB CAPACITY, 5 PIN CONNECTOR                  |
| 18397-XXXX  | 1000, 1250 LB CAPACITY, SPADE LUG TERMINALS              |
| 21087-XXXX  | 2000 LB CAPACITY, STATIONARY FEED MIXER                  |
| 18324-XXXX  | 2000, 2500 LB CAPACITY, 5 PIN CONNECTOR                  |
| 18543-XXXX  | 2000, 2500 LB CAPACITY, SPADE LUG TERMINALS              |
| 18352-XXXX  | 5000 LB CAPACITY, 5 PIN CONNECTOR                        |
| 18546-XXXX  | 5000 LB CAPACITY, SPADE LUG TERMINALS                    |
| 13939-XXXX  | 5K, 10K, 12.5K, 20K, 25K CAPACITY, 5 PIN CONNECTOR       |
| 17201-XXXX  | 5K, 10K, 12.5K, 20K, 25K CAPACITY, SPADE LUG TERMINALS   |
| 18602-XXXX  | 50K, 75K, 100K, 150K, 200K CAPACITY, SPADE LUG TERMINALS |

STAINLESS STEEL WEIGH BARS

| PART NUMBER | DESCRIPTION  |
|-------------|--|
| 46457-XXXX  | 50 LB CAPACITY, SINGLE POINT                             |
| 47716-XXXX  | 250 LB CAPACITY, 5 PIN CONNECTOR                         |
| 47717-XXXX  | 250 LB CAPACITY, SPADE LUG TERMINALS                     |
| 27730-XXXX  | 500 LB CAPACITY, DECK TYPE, 5 PIN CONNECTOR              |
| 27960-XXXX  | 500 LB CAPACITY, DECK TYPE, SPADE LUG TERMINALS          |
| 45374-XXXX  | 500 LB CAPACITY, LOW PROFILE DECK TYPE, TINNED LEADS     |
| 45838-XXXX  | 500 LB CAPACITY, LOW PROFILE DECK TYPE, 5 PIN CONNECTOR  |
| 47866-XXXX  | 500 LB CAPACITY, 5 PIN CONNECTOR                         |
| 47869-XXXX  | 500 LB CAPACITY, 5 PIN CONNECTOR                         |
| 27732-XXXX  | 1250 LB CAPACITY, DECK TYPE, 5 PIN CONNECTOR             |
| 27962-XXXX  | 1250 LB CAPACITY, DECK TYPE, SPADE LUG TERMINALS         |
| 45943-XXXX  | 1250 LB CAPACITY, LOW PROFILE DECK TYPE, 5 PIN CONNECTOR |
| 47825-XXXX  | 1250 LB CAPACITY, 5 PIN CONNECTOR                        |
| 47870-XXXX  | 1250 LB CAPACITY, 5 PIN CONNECTOR                        |
| 46391-XXXX  | 2500 LB CAPACITY, DSL TYPE, 5 PIN CONNECTOR              |
| 27733-XXXX  | 2500 LB CAPACITY, DECK TYPE, 5 PIN CONNECTOR             |
| 27963-XXXX  | 2500 LB CAPACITY, DECK TYPE, SPADE LUG TERMINALS         |
| 47867-XXXX  | 2500 LB CAPACITY, 5 PIN CONNECTOR                        |
| 47871-XXXX  | 2500 LB CAPACITY, 5 PIN CONNECTOR                        |
| 27731-XXXX  | 5000 LB CAPACITY, DECK TYPE, 5 PIN CONNECTOR             |
| 27961-XXXX  | 5000 LB CAPACITY, DECK TYPE, SPADE LUG TERMINALS         |
| 47868-XXXX  | 5000 LB CAPACITY, 5 PIN CONNECTOR                        |
| 47872-XXXX  | 5000 LB CAPACITY, 5 PIN CONNECTOR                        |
| 46134-XXXX  | 10K LB CAPACITY, DS TYPE, 5 PIN CONNECTOR                |
| 46135-XXXX  | 10K LB CAPACITY, DS TYPE, SPADE LUG TERMINALS            |
| 48103-XXXX  | 10K LB CAPACITY, SPADE LUG TERMINALS                     |
| 48262-XXXX  | 10K LB CAPACITY, 5 PIN CONNECTOR                         |
| 48120-XXXX  | 20K LB CAPACITY, SPADE LUG TERMINALS                     |
| 48126-XXXX  | 20K LB CAPACITY, 5 PIN CONNECTOR                         |
| 52241-XXXX  | WBLW MODEL, TINNED LEADS                                 |
| 51203-XXXX  | WBL5 - 250 LB, 5 PIN CONNECTOR                           |

STAINLESS STEEL BENCH/ DECK SCALE WEIGH BARS, MODEL FLS  
RECTANGULAR GUIDED BEAM

| PART NUMBER | DESCRIPTION                                    |
|-------------|--|
| 49098-XXXX  | 45-250 LB CAPACITY, SPADE LUGS OR TINNED LEADS |
| 49099-XXXX  | 45-250 LB CAPACITY, 7 PIN CONNECTOR            |
| 49100-XXXX  | 625-1250 LB CAPACITY, 7 PIN CONNECTOR          |

**NOTICE !**  
CHANGES TO THIS DRAWING  
REQUIRE DOCUMENT CONTROL  
PRE-APPROVAL FROM  
FACTORY MUTUAL RESEARCH

| QUANTITY   | PER DASH NO.         | ITEM NO.   | DESCRIPTION | REF. DESIG. |
|--|----------------------|--|-------------|-------------|
| <b>BILL OF MATERIALS</b>   |                      |  |             |             |
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES<br>(XXX) DENOTES REFERENCE DATA / (mm) DENOTES METRIC DIMENSIONS |                      | <b>WEIGH-TRONIX</b><br>FAIRMONT, MN 56031, U.S.A.  |             |             |
| 2 PLACE DECIMALS ± -   | 3 PLACE DECIMALS ± - | APPROVALS: SIGNATURE & DATE                        |             |             |
| ANGLES ± -   |                      | DRAWN <i>Jon Owen</i> 19 AUG 92                    |             |             |
| HOLE DIA TOLERANCES  |                      | CHECKED  |             |             |
| 0.00-250 +.003/-0.02   | INT. EXT.            | MECH. ENG.   |             |             |
| 251-500 +.005/-0.03  | CLASS CLASS          | ELECT. ENG. <i>M. Lundgreen</i> 19 AUG 92          |             |             |
| OVER .501 +.010/-0.05  | 2B 2A                | FINISH   |             |             |
| MATERIAL   |                      | NOT APPLICABLE                                     |             |             |
| NOT APPLICABLE   |                      | NOT APPLICABLE                                     |             |             |
| MACHINING DRAWINGS: REMOVE ALL BURRS AND SHARP EDGES   |                      | MACHINED SURFACE FINISH UNLESS OTHERWISE INDICATED |             |             |
| DO NOT SCALE DRAWING   |                      | SCALE 1=1  |             |             |
|  |                      | DRAWING NO. <b>29274</b>                           |             |             |
|  |                      | REV. <b>H</b>                                      |             |             |
|  |                      | SHEET 5 OF 8                                       |             |             |

D 29274

8 7 6 5 4 3 2 1

| REVISIONS |     |  |         |              |      |
|-----------|-----|--|---------|--------------|------|
| ZONE      | LTR | DESCRIPTION  | BY      | DATE         | APPR |
|           | A   | CHG'D TO AUTOCAD FORMAT ADDED SHT 2, 3&4 ECD 8425  | J. Owen | 1992 19 AUG  | MW2  |
|           | B   | DELETE DN SHT 4 13690-, 14242-, 13308-, 29337-, ECD 8488   | J. Owen | 1992 10 SEPT | MW2  |
|           | C   | ADDED: 19221-, 46001-, 45080-, 45814-, 46020, ECD 8633   | J. Owen | 1992 2 DEC   | MW2  |
|           | D   | ADDED: 13690-, 13308-, 14242-, 29337-, 29920-, 45960-, ECD 9120  | J. Owen | 1993 23 NOV  | MW2  |
|           | E   | ADDED: 46806-, 46807-, ECD 9272  | J. Owen | 1993 23 NOV  | MW2  |
|           | F   | ADDED: 49548-, 49549-, 49550-, 49551-, 49650-, 48304-, 47984-, ECD 12362   | J. Owen | 1996 15 OCT  | MW2  |
|           | H   | DEL: FARM SCALE JCT BOX ASSY'S, ADD: 50468 LIFT TRUCK SCALE TRANSDUCERS, 49731, 50068, & 28731 CRANE SCALE LOAD CELLS, DCN 14788 | DSB     | 10DEC99      | BAK  |

WEIGH BAR JUNCTION BOX ASSEMBLIES WITH CONNECTORS

| PART NUMBER | DESCRIPTION                    |
|-------------|--------------------------------|
| 14158-XXXX  | 1 WEIGH BAR                    |
| 13625-XXXX  | 2 WEIGH BARS                   |
| 14164-XXXX  | 3 WEIGH BARS                   |
| 13197-XXXX  | 4 WEIGH BARS                   |
| 27837-XXXX  | 4 WEIGH BARS, DSL              |
| 19219-XXXX  | 4 WEIGH BARS, LTS              |
| 24274-XXXX  | 4 WEIGH BARS/SUMMING           |
| 49548-XXXX  | 2 WEIGH BARS, SIGNAL SPAN      |
| 49549-XXXX  | 3 WEIGH BARS, SIGNAL SPAN      |
| 49550-XXXX  | 4 WEIGH BARS, SIGNAL SPAN      |
| 49551-XXXX  | 4 WEIGH BARS, SIGNAL SPAN, DSL |
| 16607-XXXX  | 6 WEIGH BARS                   |

WEIGH BAR JUNCTION BOX ASSEMBLIES FOR SPADE TERMINALS

| PART NUMBER | DESCRIPTION                       |
|-------------|-----------------------------------|
| 22976-XXXX  | 7 SPADE TO 7 SPADE TERMINAL BLOCK |
| 13646-XXXX  | 1 WEIGH BAR, CONVERSION KIT       |
| 14122-XXXX  | 1 WEIGH BAR, CONVERSION KIT       |
| 17575-XXXX  | 3 WEIGH BARS                      |
| 13949-XXXX  | 4 WEIGH BARS                      |
| 49650-XXXX  | 4 WEIGH BARS, SIGNAL SPAN         |
| 17576-XXXX  | 6 WEIGH BARS                      |
| 14278-XXXX  | 8 WEIGH BARS                      |
| 18510-XXXX  | 10 WEIGH BARS                     |

SCALE SUMMING/SELECTOR JUNCTION BOXES

| PART NUMBER | DESCRIPTION            |
|-------------|------------------------|
| 13690-XXXX  | TWO PLATFORM SUMMING   |
| 13308-XXXX  | A, B, OR BOTH SELECTOR |
| 14242-XXXX  | A OR B SELECTOR        |
| 29337-XXXX  | 4 POSITION SELECTOR    |

WEIGH-TRONIX WEIGH BARS AND TRANSDUCERS LIFT TRUCK SCALE TRANSDUCERS

| PART NUMBER | DESCRIPTION                       |
|-------------|-----------------------------------|
| 19221-XXXX  | LTS TRANSDUCERS, CLASS II AND III |
| 48304-XXXX  | LTSC TRANSDUCERS, LTT-2.5K        |
| 50468-XXXX  | LTSC TRANSDUCERS, LTT-6.0K        |

DSB SERIES DECK WEIGH BARS

| PART NUMBER | DESCRIPTION                    |
|-------------|--------------------------------|
| 46806-XXXX  | MODEL WBB-500, NTEP            |
| 46001-XXXX  | 1250 LB CAPACITY               |
| 45808-XXXX  | 1250 LB CAPACITY, NON-SEALABLE |
| 45814-XXXX  | 2500 LB CAPACITY               |
| 46020-XXXX  | 2500 LB CAPACITY, NON-SEALABLE |
| 46807-XXXX  | MODEL WBB-5K, NTEP             |

PRINTED CIRCUIT BOARDS FOR WEIGH BAR JUNCTION BOXES

| PART NUMBER | DESCRIPTION                  |
|-------------|------------------------------|
| 29920-XXXX  | PC BD ASSY, FOR DRUM WEIGHER |
| 45960-XXXX  | PC BD ASSY, FOR DSB          |
| 49731-XXXX  | PC BD ASSY, JUNCTION BOX     |
| 50068-XXXX  | PC BD ASSY, SCALE SUMMING    |
| 28731-XXXX  | PC BD ASSY, JUNCTION BOX     |

CRANE SCALE LOAD CELLS

| PART NUMBER | DESCRIPTION                       |
|-------------|-----------------------------------|
| 47984-XXXX  | 1, 2, 5, 10 & 20 METRIC TONNE CAP |

**NOTICE !**  
CHANGES TO THIS DRAWING REQUIRE DOCUMENT CONTROL PRE-APPROVAL FROM FACTORY MUTUAL RESEARCH

| -012   | -011 | -010 | -009 | -008 | -007 | -006 | -005 | -004 | -003 | -002 | -001 | ITEM NO. | SIZE  | PART NO. | DESCRIPTION  | REF. DESIG. |
|--|------|------|------|------|------|------|------|------|------|------|------|----------|---|----------|--|-------------|
| QUANTITY PER DASH NO.  |      |      |      |      |      |      |      |      |      |      |      |          | B I L L O F M A T E R I A L S                         |          |  |             |
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES (XXX) DENOTES REFERENCE DATA / (mm) DENOTES METRIC DIMENSIONS  |      |      |      |      |      |      |      |      |      |      |      |          | APPROVALS: SIGNATURE & DATE                           |          | WEIGH-TRONIX FAIRMONT, MN 56031, U.S.A.            |             |
| 2 PLACE DECIMALS ± -<br>3 PLACE DECIMALS ± -<br>ANGLES ± -   |      |      |      |      |      |      |      |      |      |      |      |          | DRAWN Jon Owen 19 AUG 92                              |          | WI-150 INTERCONNECTION DRAWING                     |             |
| APPLICATION USED ON  |      |      |      |      |      |      |      |      |      |      |      |          | CHECKED MECH. ENG. ELECT. ENG. M. Lundgren, 19 AUG 92 |          |  |             |
| EXCEPT AS MAY BE OTHERWISE PROVIDED BY CONTRACT, THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF WEIGH-TRONIX, INC. ARE ISSUED IN STRICT CONFIDENCE, AND SHALL NOT BE REPRODUCED, OR COPIED, OR USED AS THE BASIS FOR THE MANUFACTURE OR SALE OF APPARATUS WITHOUT PERMISSION. |      |      |      |      |      |      |      |      |      |      |      |          | MATERIAL  |          | FINISH   |             |
| * IN PART NO. COLUMN DENOTES VENDOR ITEM, SEE SOURCE OR SPECIFICATION CONTROL DRAWING  |      |      |      |      |      |      |      |      |      |      |      |          | NOT APPLICABLE  |          | NOT APPLICABLE                                     |             |
| DO NOT SCALE DRAWING   |      |      |      |      |      |      |      |      |      |      |      |          | MACHINING DRAWINGS: REMOVE ALL BURRS AND SHARP EDGES  |          | MACHINED SURFACE FINISH UNLESS OTHERWISE INDICATED |             |
|  |      |      |      |      |      |      |      |      |      |      |      |          | SIZE D  |          | DRAWING NO. 29274                                  |             |
|  |      |      |      |      |      |      |      |      |      |      |      |          | SCALE 1=1   |          | SHEET 6 OF 8                                       |             |

D 29274 6 H

8 7 6 5 4 3 2 1

8 | 7 | 6 | 5 | 4 | 3 | 2 | 1

| REVISIONS |     |   |         |                |      |
|-----------|-----|---|---------|----------------|------|
| ZONE      | LTR | DESCRIPTION   | BY      | DATE           | APPR |
|           | C   | ADDED: ADDED SHEET 6<br>ECO 8633  | J. Owen | 1992<br>2 DEC  | MWZ  |
|           | E   | ADDED: NTEP SST BARS, SPEC APPL W/B<br>ECO 9272   | J. Owen | 1993<br>23 NOV | MWZ  |
|           | F   | ADDED: 31909-, 31910-, 31911-, 31912-,<br>31913-, 31914-, 31915-, 31916-, 33365-,<br>33565- ECO 12362 | J. Owen | 1996<br>15 OCT | MWZ  |

NTEP STAINLESS STEEL WEIGH BARS

| PART NUMBER | DESCRIPTION                    |
|-------------|--------------------------------|
| 46771-XXXX  | MODEL WBLS-500, W/CONNECTOR    |
| 46772-XXXX  | MODEL WBLS-500, SPADE LUGS     |
| 46773-XXXX  | MODEL WBLS-500, TINNED LEADS   |
| 46774-XXXX  | MODEL WBLS-1.25K, W/CONNECTOR  |
| 46775-XXXX  | MODEL WBLS-1.25K, SPADE LUGS   |
| 46776-XXXX  | MODEL WBLS-1.25K, TINNED LEADS |
| 46777-XXXX  | MODEL WBLS-2.5K, W/CONNECTOR   |
| 46778-XXXX  | MODEL WBLS-2.5K, SPADE LUGS    |
| 46779-XXXX  | MODEL WBLS-2.5K, TINNED LEADS  |
| 46780-XXXX  | MODEL WBLS-5K, W/CONNECTOR     |
| 46781-XXXX  | MODEL WBLS-5K, SPADE LUGS      |
| 46782-XXXX  | MODEL WBLS-5K, TINNED LEADS    |
| 46783-XXXX  | MODEL WBPS-500, W/CONNECTOR    |
| 46784-XXXX  | MODEL WBPS-500, SPADE LUGS     |
| 46785-XXXX  | MODEL WBPS-500, TINNED LEADS   |
| 46786-XXXX  | MODEL WBPS-1.25K, W/CONNECTOR  |
| 46787-XXXX  | MODEL WBPS-1.25K, SPADE LUGS   |
| 46788-XXXX  | MODEL WBPS-1.25K, TINNED LEADS |
| 46789-XXXX  | MODEL WBPS-2.5K, W/CONNECTOR   |
| 46790-XXXX  | MODEL WBPS-2.5K, SPADE LUGS    |
| 46791-XXXX  | MODEL WBPS-2.5K, TINNED LEADS  |
| 46792-XXXX  | MODEL WBPS-5K, W/CONNECTOR     |
| 46793-XXXX  | MODEL WBPS-5K, SPADE LUGS      |
| 46794-XXXX  | MODEL WBPS-5K, TINNED LEADS    |

WEIGH-TRONIX / DILLON LOAD CELLS

| PART NUMBER | DESCRIPTION                                      |
|-------------|--|
| 31909-XXXX  | MODEL SGMT TENSION LOAD CELL, 2000 LB            |
| 31910-XXXX  | MODEL SGMT TENSION LOAD CELL, 10000 LB           |
| 31911-XXXX  | MODEL SGMT TENSION LOAD CELL, 20000/40000 LB     |
| 31912-XXXX  | MODEL SGMT TENSION LOAD CELL, 50000 LB           |
| 31913-XXXX  | MODEL SGMC COMPRESSION LOAD CELL, 2000 LB        |
| 31914-XXXX  | MODEL SGMC COMPRESSION LOAD CELL, 10000 LB       |
| 31915-XXXX  | MODEL SGMC COMPRESSION LOAD CELL, 20000/40000 LB |
| 31916-XXXX  | MODEL SGMC COMPRESSION LOAD CELL, 50000 LB       |
| 33365-XXXX  | MODEL Z COMPRESSION LOAD CELL, 25 TO 1000 LB     |
| 33565-XXXX  | MODEL Z TENSION LOAD CELL, 25 TO 1000 LB         |

SENSORTRONICS LOAD CELLS AND SUMMING BOX

350 OHM LOAD CELL MODELS: 60001, 60008, 60018, 60030, 60036, 60040,  
60045, 60048, 60051, 65023, 65024, 65059

700 OHM LOAD CELL MODELS: 60058, 65016, 65040, 65041, 65058, 65061

SUMMING BOX MODEL: 20034 SERIES

REVERE/TRANSDUCERS INC. LOAD CELLS

LOAD CELL MODELS: BSP, CBU, CP, CSP, GOZINTA, HPS, HSB, KB, LPC, LTO, SHB, SSB, SSS, UEP,  
UMP, UPF, USP, USPF, TD, TSP, 42, 43, 62H, 63H, 82, 92, 93, 182, 263A, 263C, 263D, 363,  
392A, 392C, 462, 562, 562A, 662, 662A, 692B, 693A, 792, 942, 943, 962, 963, 992, 993, 5102,  
5103, 5112, 5123, 5222, 5223, 5352, 5423, 5503, 5723, 6762, 7062, 7064, 9103, 9123, 9332,  
9363, 9523

SPECIAL APPLICATIONS WEIGH BARS

| PART NUMBER | DESCRIPTION                |
|-------------|----------------------------|
| 47072-XXXX  | LIFTER SCALE, SMART WAY II |

**NOTICE !**  
CHANGES TO THIS DRAWING  
REQUIRE DOCUMENT CONTROL  
PRE-APPROVAL FROM  
FACTORY MUTUAL RESEARCH

| -012  | -011 | -010 | -009 | -008 | -007 | -006 | -005 | -004 | -003 | -002 | -001 | ITEM NO. | QTY   | PART NO. | DESCRIPTION   | REF. DESIG. |  |  |  |  |
|---|------|------|------|------|------|------|------|------|------|------|------|----------|---|----------|---------------|-------------|--|--|--|--|
| QUANTITY PER DASH NO.   |      |      |      |      |      |      |      |      |      |      |      |          |   |          |               |             |  |  |  |  |
| <b>B I L L O F M A T E R I A L S</b>  |      |      |      |      |      |      |      |      |      |      |      |          |   |          |               |             |  |  |  |  |
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES<br>(XXX) DENOTES REFERENCE DATA / (mm) DENOTES METRIC DIMENSIONS  |      |      |      |      |      |      |      |      |      |      |      |          | <b>WEIGH-TRONIX</b><br>FAIRMONT, MN 56031, U.S.A.                 |          |               |             |  |  |  |  |
| 2 PLACE DECIMALS ± -<br>3 PLACE DECIMALS ± -<br>ANGLES ± -  |      |      |      |      |      |      |      |      |      |      |      |          | APPROVALS: SIGNATURE & DATE<br>DRAWN <i>Jon Owen</i> 2 DEC 92     |          |               |             |  |  |  |  |
| NEXT ASSY USED ON   |      |      |      |      |      |      |      |      |      |      |      |          | CHECKED<br>MECH. ENG.<br>ELECT. ENG. <i>M. Lundgreen</i> 2 DEC 92 |          |               |             |  |  |  |  |
| APPLICATION<br>EXCEPT AS MAY BE OTHERWISE PROVIDED BY CONTRACT, THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF WEIGH-TRONIX, INC. ARE ISSUED IN STRICT CONFIDENCE, AND SHALL NOT BE REPRODUCED, OR COPIED, OR USED AS THE BASIS FOR THE MANUFACTURE OR SALE OF APPARATUS WITHOUT PERMISSION. |      |      |      |      |      |      |      |      |      |      |      |          | MATERIAL<br>NOT APPLICABLE  |          |               |             | FINISH<br>NOT APPLICABLE                           |  |  |  |
| * IN PART NO. COLUMN DENOTES VENDOR ITEM SEE SOURCE OR SPECIFICATION CONTROL DRAWING<br>DO NOT SCALE DRAWING  |      |      |      |      |      |      |      |      |      |      |      |          | MACHINING DRAWINGS: REMOVE ALL BURRS AND SHARP EDGES              |          |               |             | MACHINED SURFACE FINISH UNLESS OTHERWISE INDICATED |  |  |  |
| SIZE D  |      |      |      |      |      |      |      |      |      |      |      |          | DRAWING NO. <b>29274</b>  |          | REV. <b>H</b> |             |  |  |  |  |
| SCALE 1=1   |      |      |      |      |      |      |      |      |      |      |      |          | DCN -   |          | SHEET 7 OF 8  |             |  |  |  |  |

8 | 7 | 6 | 5 | 4 | 3 | 2 | 1

D  
C  
B  
A

D  
C  
B  
A

H  
7  
29274

8 7 6 5 4 3 2 1

| REVISIONS |     |  |         |                |      |
|-----------|-----|--|---------|----------------|------|
| ZONE      | LTR | DESCRIPTION                                      | BY      | DATE           | APPR |
|           | F   | ADDED: ADDED SHEET 7<br>ECO 12362                | J. Owen | 1996<br>15 OCT | MWZ  |
|           | H   | ADD: 50000, 49998, 7154-16355 & 52591, DCN 14788 | J. Owen | 10DEC99        | BAK  |

WEIGH-TRONIX / SANTA ROSA LOAD CELLS

WEIGH-TRONIX / SANTA ROSA LOAD CELLS

| PART NUMBER | DESCRIPTION  |
|-------------|--|
| 8153-00035  | 7153-01624 MK 3 POS LOAD CELL, 25 LB<br>7153-01635 MK 3 POS LOAD CELL, 15 LB   |
| 8153-00009  | 7153-01605 MK 3A LOAD CELL, 2 LB, 1 FT, CONNECTOR  |
| 8153-00033  | 7153-01606 MK 3A LOAD CELL, 5 LB<br>7153-01607 MK 3A LOAD CELL, 10 LB<br>7153-01608 MK 3A LOAD CELL, 25 LB<br>7153-01609 MK 3A LOAD CELL, 50 LB<br>7153-01610 MK 3A LOAD CELL, 100 LB  |
| 8153-04693  | 7153-04698 MK 3E LOAD CELL, 7 KG, 3500D<br>7153-04761 MK 3E LOAD CELL, 7 KG, 5000D<br>7153-07390 MK 3E LOAD CELL, 15 KG, 5000D<br>7153-04712 MK 3E LOAD CELL, 15 KG, 3000D<br>7153-04760 MK 3E LOAD CELL, 15 KG, 5000D<br>7153-04715 MK 3E LOAD CELL, 25 KG, 5000D<br>7153-05666 MK 3E LOAD CELL, 15 KG, 5000D, RND CBL<br>7153-05665 MK 3E LOAD CELL, 25 KG, 5000D, RND CBL<br>7153-05664 MK 3E LOAD CELL, 7 KG, 5000D, RND CBL<br>7153-07338 MK 3E LOAD CELL, 10 KG, 5000D<br>7153-10322 MK 3E LOAD CELL, 10 KG, UNSEALED<br>7153-04831 MK 3E LOAD CELL, 7 KG, UNSEALED<br>7153-04832 MK 3E LOAD CELL, 15 KG, UNSEALED<br>7153-04833 MK 3E LOAD CELL, 25 KG, UNSEALED<br>7153-08665 MK 3E LOAD CELL, 12 KG, UNSEALED |
| 7153-08212  | 7153-08212 MK 3E LOAD CELL, 1 KG, UNSEALED   |
| 7153-08213  | 7153-08213 MK 3E LOAD CELL, 3 KG, UNSEALED   |
| 7153-08663  | 7153-08663 MK 3E LOAD CELL, 5 KG, UNSEALED   |
| 8153-00048  | 7153-01687 MK 4D LOAD CELL, 15 LB, W/RES, 14 FT  |
| 8153-00030  | 7153-01587 MK 5 LOAD CELL, 50 LB, 26 FT<br>7153-01588 MK 5 LOAD CELL, 100 LB, 26 FT<br>7153-01589 MK 5 LOAD CELL, 200 LB, 26 FT<br>7153-01590 MK 5 LOAD CELL, 500 LB, 26 FT  |
| 8153-00031  | 7153-01602 MK 15 LOAD CELL, 1000 LB  |
| 8153-04942  | 7153-03827 MK 16 LOAD CELL, 35 KG, 5000, P. B.<br>7153-04927 MK 16 LOAD CELL, 9 KG, 3000D<br>7153-04930 MK 16 LOAD CELL, 15 KG, 3000D<br>7153-04936 MK 16 LOAD CELL, 50 KG, 2000D<br>7153-04937 MK 16 LOAD CELL, 50 KG, 2500D<br>7153-04938 MK 16 LOAD CELL, 50 KG, 5000D<br>7153-04952 MK 16 LOAD CELL, 50 KG, UNSEALED<br>7153-05658 MK 16 LOAD CELL, 35 KG, 5000D<br>7153-05659 MK 16 LOAD CELL, 50 KG, 5000D, RND CBL<br>7153-07389 MK 16 LOAD CELL, 50 KG, 5000D<br>7153-09443 MK 16 LOAD CELL, 50 KG, HAWK PB<br>7153-12678 MK 16 LOAD CELL, 15 KG, 3000D<br>7153-12809 MK 16 LOAD CELL, 75 KG, 3000D  |
| 8153-09871  | 7153-09439 MK 17 LOAD CELL, 50 KG, UNSEALED<br>7153-09887 MK 17 LOAD CELL, 125 KG, UNSEALED<br>7153-10022 MK 17 LOAD CELL, 50 KG, 2500D<br>7153-10024 MK 17 LOAD CELL, 125 KG, 2500D<br>7153-10216 MK 17 LOAD CELL, 50 KG, 5000D<br>7153-10217 MK 17 LOAD CELL, 125 KG, 5000D<br>7153-12463 MK 17 LOAD CELL, 50 KG, 3200D<br>7153-12464 MK 17 LOAD CELL, 75 KG, 3000D<br>7153-14853 MK 17 LOAD CELL, 75 KG, 3000D  |

| PART NUMBER | DESCRIPTION  |
|-------------|--|
| 8153-09435  | 7153-09436 MK 17B LOAD CELL, 5 KG, UNSEALED<br>7153-09437 MK 17B LOAD CELL, 12 KG, UNSEALED<br>7153-09438 MK 17B LOAD CELL, 25 KG, UNSEALED  |
|             | 7153-10018 MK 17B LOAD CELL, 5 KG, 2500D<br>7153-10020 MK 17B LOAD CELL, 12 KG, 2500D<br>7153-10021 MK 17B LOAD CELL, 25 KG, 2500D<br>7153-10213 MK 17B LOAD CELL, 5 KG, 5000D<br>7153-10214 MK 17B LOAD CELL, 12 KG, 5000D<br>7153-10215 MK 17B LOAD CELL, 25 KG, 5000D<br>7153-11048 MK 17B LOAD CELL, 18 KG, PC-800<br>7153-11699 MK 17B LOAD CELL, 50 KG, PC-800<br>7153-11817 MK 17B LOAD CELL, 5 KG, PC-800  |
| 8153-14502  | 7153-14496 MK 18 LOAD CELL, 50 KG, 5000D<br>7153-14498 MK 18 LOAD CELL, 160 KG, 3000D<br>7153-14499 MK 18 LOAD CELL, 75 KG, 5000D<br>7153-14501 MK 18 LOAD CELL, 115 KG, 5000D   |
| 8153-02743  | 7153-05853 MK 19 LOAD CELL, 250 LB, 2000D, OLD CONN.<br>7153-05967 MK 19 LOAD CELL, 250 LB, 5000D, OLD CONN.<br>7153-08670 MK 19 LOAD CELL, 250 LB, 4000D  |
| 8153-08346  | 7153-09396 MK 21 LOAD CELL, 7.5 KG, UNSEALED, 10 FT<br>7153-09398 MK 21 LOAD CELL, 35 KG, UNSEALED, 10 FT<br>7153-09399 MK 21 LOAD CELL, 18 KG, UNSEALED, 10 FT<br>7153-09556 MK 21 LOAD CELL, 35 KG, UNSEALED<br>7153-10952 MK 21 LOAD CELL, 35 KG, SEALED, CANADIAN<br>7153-10932 MK 21 LOAD CELL, 7.5 KG, SEALED, CANADIAN<br>7153-10115 MK 21 LOAD CELL, 7.5 KG, SEALED<br>7153-10116 MK 21 LOAD CELL, 18 KG, SEALED<br>7153-10117 MK 21 LOAD CELL, 35 KG, SEALED<br>7153-10434 MK 21 LOAD CELL, 7.5 KG, SEALED, HBM<br>7153-10435 MK 21 LOAD CELL, 35 KG, SEALED, HBM<br>7153-12633 MK 21 LOAD CELL, 7.5 KG, UNSEALED<br>7153-12635 MK 21 LOAD CELL, 35 KG, UNSEALED<br>7153-12636 MK 21 LOAD CELL, 18 KG, UNSEALED<br>7153-12637 MK 21 LOAD CELL, 35 KG, UNSEALED<br>7153-12638 MK 21 LOAD CELL, 18 KG, UNSEALED<br>7153-12639 MK 21 LOAD CELL, 7.5 KG, UNSEALED<br>7153-13234 MK 21 LOAD CELL, 50 KG, UNSEALED, 10 FT |
| 8153-10283  | 7153-10284 MK 22 LOAD CELL, 300 LB, 3000D, 24 IN CBL<br>7153-10286 MK 22 LOAD CELL, 500 LB, 2500D, 24 IN CBL<br>7153-10290 MK 22 LOAD CELL, 300 LB, 3000D, 12 FT CBL<br>7153-10291 MK 22 LOAD CELL, 500 LB, 2500D, 12 FT CBL<br>7153-11598 MK 22 LOAD CELL, 230 KG, 2 MV/V   |
| 7153-14404  | 7153-14404 MK 22 LOAD CELL, 230 KG, CHRONDS  |
| 8153-14496  | 7153-14363 MK 23 LOAD CELL, 60 KG, 3000D<br>7153-14517 MK 23 LOAD CELL, 7.5 KG, 3500D<br>7153-14519 MK 23 LOAD CELL, 30 KG, 3000D<br>7153-14521 MK 23 LOAD CELL, 15 KG, 3000D<br>7153-14819 MK 23 LOAD CELL, 80 KG, 3000D<br>7153-15335 MK 23 LOAD CELL, 30 KG, 5000D<br>7153-15336 MK 23 LOAD CELL, 15 KG, 5000D<br>7153-15337 MK 23 LOAD CELL, 7.5 KG, 5000D<br>7153-15338 MK 23 LOAD CELL, 60 KG, 5000D   |

WEIGH-TRONIX / SANTA ROSA LOAD CELLS

| PART NUMBER    | DESCRIPTION                                    |
|----------------|--|
| 8153-14836     | 7153-14820 MK 24 LOAD CELL, 60 KG, 5000D       |
| 8153-09225     | 7153-09223 BAG SC LOAD CELL, 300 LB, 24 IN CBL |
| 50000-XXXX     | MK 17 LOAD CELL, 5.50 KG, 5000D                |
| 49998-XXXX     | MK 18 LOAD CELL, 160 KG, 3000D                 |
| 7154-16355-XXX | MK 27 & 28 LOAD CELL, 7.5 KG TO 160 KG, 5000D  |
| 52591-XXXX     | MK 29 LOAD CELL, 7.5 KG TO 50 KG, 3000D        |

|            |  |
|------------|--|
| 8153-13568 | 7153-13110 MK 17 LOAD CELL, 125 KG, 5000D<br>7153-13569 MK 17 LOAD CELL, 125 KG, UNSEALED<br>7153-13573 MK 17 LOAD CELL, 125 KG, 2500D |
|------------|--|

**NOTICE !**  
CHANGES TO THIS DRAWING  
REQUIRE DOCUMENT CONTROL  
PRE-APPROVAL FROM  
FACTORY MUTUAL RESEARCH

|   |      |      |      |      |      |      |      |      |      |      |      |          |   |          |             |             |
|---|------|------|------|------|------|------|------|------|------|------|------|----------|---|----------|-------------|-------------|
| -012  | -011 | -010 | -009 | -008 | -007 | -006 | -005 | -004 | -003 | -002 | -001 | ITEM NO. | SIZE  | PART NO. | DESCRIPTION | REF. DESIG. |
| QUANTITY PER DASH NO.   |      |      |      |      |      |      |      |      |      |      |      |          | B I L L O F M A T E R I A L S                               |          |             |             |
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES (XXX) DENOTES REFERENCE DATA / (mm) DENOTES METRIC DIMENSIONS   |      |      |      |      |      |      |      |      |      |      |      |          | WEIGH-TRONIX<br>FAIRMONT, MN 56031, U.S.A.                  |          |             |             |
| 2 PLACE DECIMALS ± -<br>3 PLACE DECIMALS ± -<br>ANGLES ± -  |      |      |      |      |      |      |      |      |      |      |      |          | APPROVALS: SIGNATURE & DATE<br>DRAWN J. Owen 15 OCT 96      |          |             |             |
| HOLE DIA TOLERANCES<br>0.00-250 +.003/-0.02<br>251-500 +.005/-0.03<br>OVER 501 +.010/-0.05  |      |      |      |      |      |      |      |      |      |      |      |          | CHECKED<br>MECH. ENG.<br>ELECT. ENG. M. Lundgren, 15 OCT 96 |          |             |             |
| APPLICATION<br>EXCEPT AS MAY BE OTHERWISE PROVIDED BY CONTRACT, THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF WEIGH-TRONIX, INC. ARE ISSUED IN STRICT CONFIDENCE, AND SHALL NOT BE REPRODUCED, OR COPIED, OR USED AS THE BASIS FOR THE MANUFACTURE OR SALE OF APPARATUS WITHOUT PERMISSION. |      |      |      |      |      |      |      |      |      |      |      |          | MATERIAL<br>NOT APPLICABLE                                  |          |             |             |
| * IN PART NO. COLUMN DENOTES VENDOR ITEM. SEE SOURCE OR SPECIFICATION CONTROL DRAWING.  |      |      |      |      |      |      |      |      |      |      |      |          | FINISH<br>NOT APPLICABLE                                    |          |             |             |
| DO NOT SCALE DRAWING  |      |      |      |      |      |      |      |      |      |      |      |          | MACHINING DRAWINGS: REMOVE ALL BURRS AND SHARP EDGES        |          |             |             |
|   |      |      |      |      |      |      |      |      |      |      |      |          | MACHINED SURFACE FINISH UNLESS OTHERWISE INDICATED          |          |             |             |
| SCALE 1=1   |      |      |      |      |      |      |      |      |      |      |      |          | DCN -   |          |             |             |
| DRAWING NO. 29274   |      |      |      |      |      |      |      |      |      |      |      |          | REV. H  |          |             |             |
| SHEET 8 OF 8  |      |      |      |      |      |      |      |      |      |      |      |          |   |          |             |             |

8 7 6 5 4 3 2 1





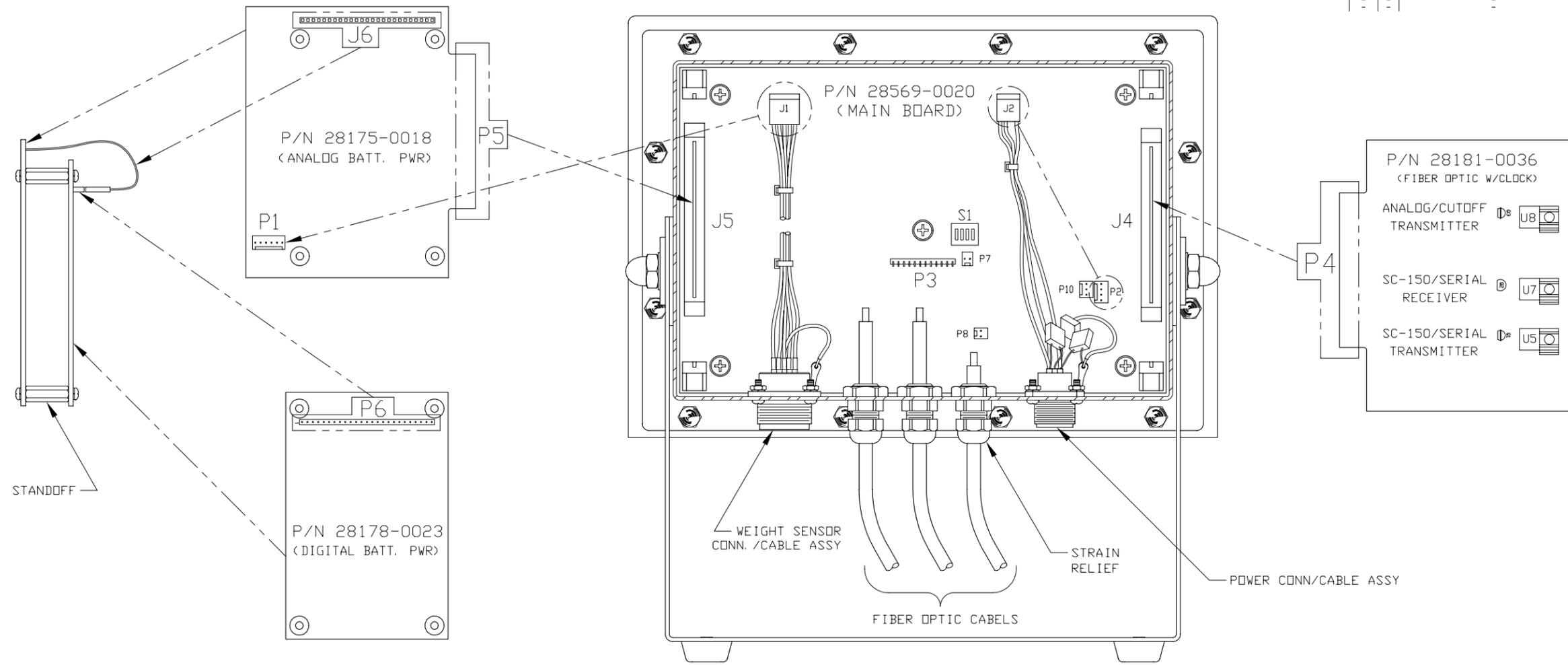


8 7 6 5 4 3 2 1

| REVISIONS |     |  |     |              |      |
|-----------|-----|--|-----|--------------|------|
| ZONE      | LTR | DESCRIPTION  | BY  | DATE         | APPR |
| -         | A   | CHG: MIDDLE SENTENCE IN TITLE WAS BOARD CONNECTION. ADD: CSA TO END OF TITLE. ADDED TEXT IN FRONT OF UB, U7 AND U5 ON BOARD P4. ECO 1066 | 264 | 27 JUNE 1995 |      |
| -         | -   | -  | -   | -            | -    |
| -         | -   | -  | -   | -            | -    |
| -         | -   | -  | -   | -            | -    |
| -         | -   | -  | -   | -            | -    |
| -         | -   | -  | -   | -            | -    |
| -         | -   | -  | -   | -            | -    |
| -         | -   | -  | -   | -            | -    |
| -         | -   | -  | -   | -            | -    |

D  
C  
B  
A

D  
C  
B  
A



DWG NO. D48251-0013

| -012  | -011 | -010 | -009 | -008 | -007 | -006 | -005 | -004 | -003 | -002 | -001 | ITEM NO.   | SIZE | PART NO. | DESCRIPTION | REF. DESIG.  |  |  |  |
|---|------|------|------|------|------|------|------|------|------|------|------|--|------|----------|-------------|--|--|--|--|
| QUANTITY PER DASH NO.   |      |      |      |      |      |      |      |      |      |      |      |  |      |          |             |  |  |  |  |
| BILL OF MATERIALS   |      |      |      |      |      |      |      |      |      |      |      |  |      |          |             |  |  |  |  |
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES<br>(XXX) DENOTES REFERENCE DATA / (mm) DENOTES METRIC DIMENSIONS  |      |      |      |      |      |      |      |      |      |      |      |  |      |          |             |  |  |  |  |
| 2 PLACE DECIMALS ± -<br>3 PLACE DECIMALS ± -<br>ANGLES ± -  |      |      |      |      |      |      |      |      |      |      |      | APPROVALS: SIGNATURE & DATE<br>DRAWN <i>Greg Abel</i> 9 MARCH 95 |      |          |             |  |  |  |  |
| APPLICATION<br>HOLE DIA. TOLERANCES<br>0.00-250 +.003/-0.02<br>251-500 +.005/-0.03<br>OVER .501 +.010/-0.05   |      |      |      |      |      |      |      |      |      |      |      | CHECKED<br>MECH. ENG.<br>ELECT. ENG.                             |      |          |             | WEIGH-TRONIX<br>FAIRMONT, MN 56031, U.S.A.                                 |  |  |  |
| EXCEPT AS MAY BE OTHERWISE PROVIDED BY CONTRACT, THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF WEIGH-TRONIX, INC. AND SHALL NOT BE REPRODUCED, OR COPIED, OR USED AS THE BASIS FOR THE MANUFACTURE OR SALE OF APPARATUS WITHOUT PERMISSION. |      |      |      |      |      |      |      |      |      |      |      |  |      |          |             |  |  |  |  |
| MATERIAL<br>NOT APPLICABLE  |      |      |      |      |      |      |      |      |      |      |      | FINISH<br>NOT APPLICABLE   |      |          |             | WI-150 - CABLE TO PC INTERCONNECT DIAGRAM<br>BATTERY POWERED VERSION (CSA) |  |  |  |
| 3% IN PART NO. COLUMN DENOTES VENDOR ITEM. SEE SOURCE OR SPECIFICATION CONTROL DRAWING.<br>DO NOT SCALE DRAWING   |      |      |      |      |      |      |      |      |      |      |      | THIRD ANGLE PROJECTION   |      |          |             | SIZE DRAWING NO. 48251<br>SCALE 1=1 DCN 3640 SHEET -                       |  |  |  |
| MACHINING DRAWINGS: REMOVE ALL BURRS AND SHARP EDGES  |      |      |      |      |      |      |      |      |      |      |      | MACHINED SURFACE FINISH UNLESS OTHERWISE INDICATED               |      |          |             | REV. A   |  |  |  |

8 7 6 5 4 3 2 1

D 48251

**Weigh-Tronix**

1000 Armstrong Dr.  
Fairmont, MN 56031 USA  
Telephone: 507-238-4461  
Facsimile: 507-238-4195  
e-mail: [industrial@weigh-tronix.com](mailto:industrial@weigh-tronix.com)  
[www.wtxweb.com](http://www.wtxweb.com)

**Weigh-Tronix Canada, ULC**

217 Brunswick Blvd.  
Pointe Claire, QC H9R 4R7 Canada  
Telephone: 514-695-0380  
Facsimile: 514-695-6820

**WEIGH-TRONIX**

Weighing Products & Systems