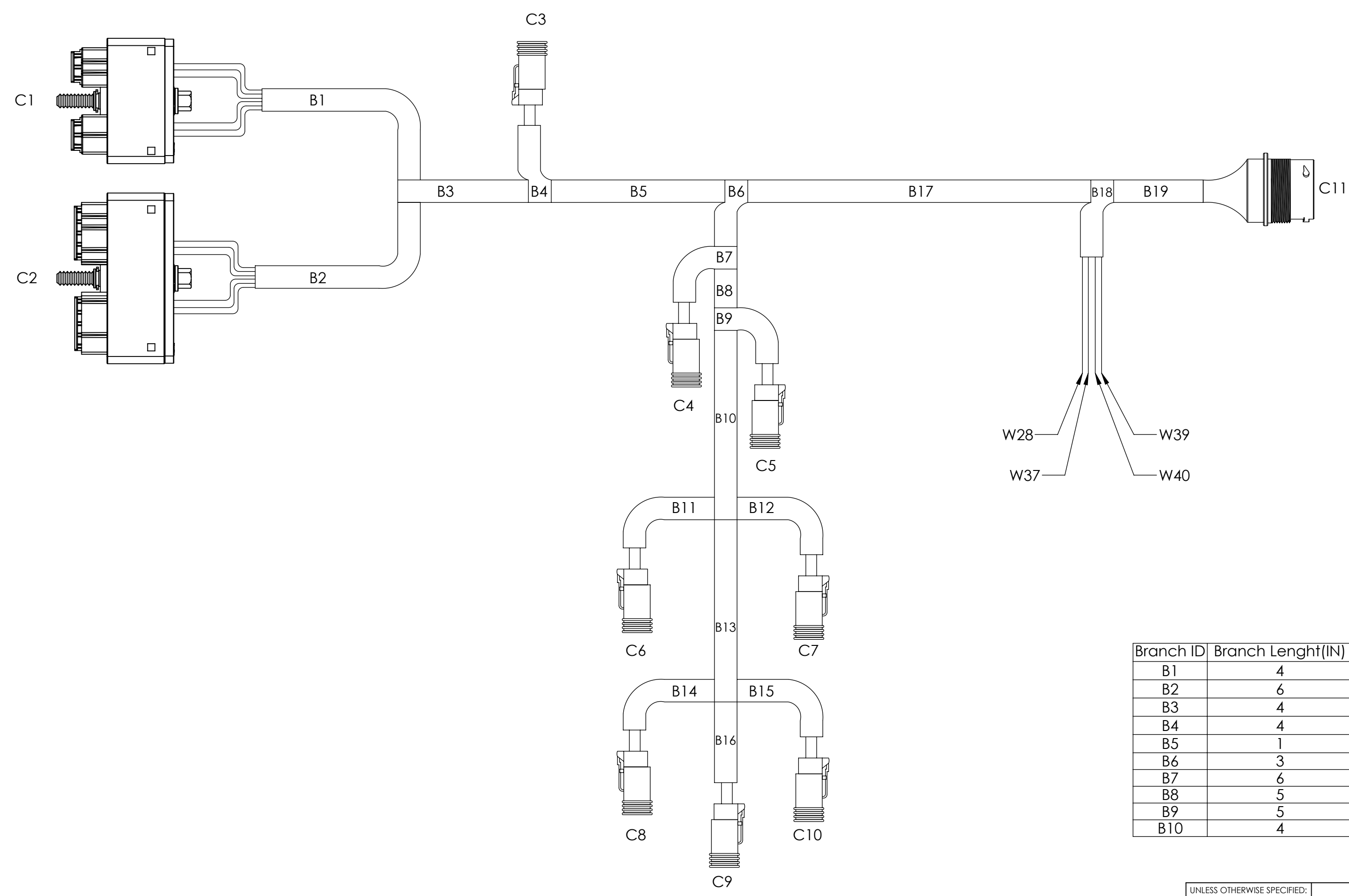


| REVISIONS | | | | | |
|-----------|------|-------------|---------|------|----|
| REV. | ZONE | DESCRIPTION | ECN/ERN | DATE | BY |
| | | | | | |



| Branch ID | Branch Length(IN) | Branch ID | Branch Length(IN) |
|-----------|-------------------|-----------|-------------------|
| B1 | 4 | B11 | 4 |
| B2 | 6 | B12 | 3 |
| B3 | 4 | B13 | 3 |
| B4 | 4 | B14 | 5 |
| B5 | 1 | B15 | 5 |
| B6 | 3 | B16 | 8 |
| B7 | 6 | B17 | 13 |
| B8 | 5 | B18 | 11 |
| B9 | 5 | B19 | 4 |
| B10 | 4 | | |

- Notes:
- 1) All branches to be wrapped in Tesa 51036 tape.
 - 2) All braches with connector leave 1" of wire exposed before connector
 - 3) All splices ("S") to be soldered or sonic welded and covered in 2" of adhesive heatshrink
 - 4) Leave 4" unwrapped on B18
 - 5) Leve 2" unwrapped on Connectors C1 and C2.

| | | | | |
|--|--|-----|---------|-----------------------------|
| UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES 2 PLACE DECIMAL ±0.030 3 PLACE DECIMAL ±0.010 EXCEPT DRILLED HOLES BREAK SHARP CORNERS ALL FILLETS AND RADII 0.12 R. FINISH 125/ | DRAWN | NSZ | 3/11/24 | Muncie Power Products, Inc. |
| | CHECKED | BM | 3/11/24 | |
| | ENG APPR. | KW | 3/11/24 | |
| | COMMENTS: | | | |
| INTERPRET GEOMETRIC TOLERANCING PER: ASME Y14.5 | TITLE: INDOT 2024 Tow Plow | | | |
| MATERIAL | SIZE DWG. NO. REV CAPWH146A 02 | | | |
| THIRD ANGLE PROJECTION | SCALE: N/A WEIGHT: N/A SHEET 1 OF 2 <small>DO NOT SCALE DRAWING</small> | | | |
| PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF MUNICIE POWER PRODUCTS, INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF MUNICIE POWER PRODUCTS, INC. IS PROHIBITED. | | | | |

| Wire Number | Wire Label | Wire Color | Wire Gauge | Wire Type | Wire length(IN) | Source Connection | Source Connector P/N | Source Connector Manufacturer | Source Pin Location | Source Pin P/N | Destination Connection | Destination Connector P/N | Destination Connector Manufacturer | Destination Pin Location | Destination Pin P/N |
|-------------|-----------------------|------------|------------|-----------|-----------------|-------------------|----------------------|-------------------------------|---------------------|----------------|------------------------|---------------------------|------------------------------------|--------------------------|---------------------|
| W1 | P1 | Red | 16 | GXL | 6 | C1 | 5810118023 | Cinch Connectivity Solutions | A.1 | 4250000873 | S1 | - | - | - | - |
| W2 | P2 | Red | 16 | GXL | 6 | C1 | 5810118023 | Cinch Connectivity Solutions | A.2 | 4250000873 | S1 | - | - | - | - |
| W3 | P3 | Red | 16 | GXL | 6 | C1 | 5810118023 | Cinch Connectivity Solutions | A.3 | 4250000873 | S1 | - | - | - | - |
| W4 | Tow Retract | Blue | 16 | GXL | 22 | C1 | 5810118023 | Cinch Connectivity Solutions | B.1 | 4250000873 | C5 | DT06-2S | Deutsch | 1 | 0462-201-16141 |
| W5 | P4 | Red | 16 | GXL | 6 | C1 | 5810118023 | Cinch Connectivity Solutions | B.3 | 4250000873 | S1 | - | - | - | - |
| W6 | Tow Extend | Purple | 16 | GXL | 12 | C1 | 5810118023 | Cinch Connectivity Solutions | C.1 | 4250000873 | C3 | DT06-2S | Deutsch | 1 | 0462-201-16141 |
| W7 | G1 | Black | 16 | GXL | 6 | C1 | 5810118023 | Cinch Connectivity Solutions | E.1 | 4250000873 | S2 | - | - | - | - |
| W8 | G2 | Black | 16 | GXL | 6 | C1 | 5810118023 | Cinch Connectivity Solutions | E.2 | 4250000873 | S2 | - | - | - | - |
| W9 | G3 | Black | 16 | GXL | 6 | C1 | 5810118023 | Cinch Connectivity Solutions | E.3 | 4250000873 | S2 | - | - | - | - |
| W10 | CAN-HI | White | 16 | GXL | 28 | C2 | 5810130029 | Cinch Connectivity Solutions | A.3 | 4250000873 | C11 | HDP24-24-19PN | Deutsch | 7 | 0460-202-16141 |
| W11 | Body Up | Brown | 16 | GXL | 28 | C2 | 5810130029 | Cinch Connectivity Solutions | B.1 | 4250000873 | C11 | HDP24-24-19PN | Deutsch | 11 | 0460-202-16141 |
| W12 | Pre-Wet #1 Low Liquid | Pink | 16 | GXL | 28 | C2 | 5810130029 | Cinch Connectivity Solutions | B.2 | 4250000873 | C11 | HDP24-24-19PN | Deutsch | 6 | 0460-202-16141 |
| W13 | CAN-LO | Green | 16 | GXL | 28 | C2 | 5810130029 | Cinch Connectivity Solutions | B.3 | 4250000873 | C11 | HDP24-24-19PN | Deutsch | 9 | 0460-202-16141 |
| W14 | Auger #2 Feedback | Gray | 16 | GXL | 28 | C2 | 5810130029 | Cinch Connectivity Solutions | D.1 | 4250000873 | C11 | HDP24-24-19PN | Deutsch | 3 | 0460-202-16141 |
| W15 | Spinner #2 | White | 16 | GXL | 31 | C2 | 5810130029 | Cinch Connectivity Solutions | F.1 | 4250000873 | C10 | DT06-2S | Deutsch | 1 | 0462-201-16141 |
| W16 | Auger #2 | Orange | 16 | GXL | 27 | C2 | 5810130029 | Cinch Connectivity Solutions | F.2 | 4250000873 | C6 | DT06-2S | Deutsch | 1 | 0462-201-16141 |
| W17 | Town Down | White | 16 | GXL | 31 | C2 | 5810130029 | Cinch Connectivity Solutions | G.2 | 4250000873 | C8 | DT06-2S | Deutsch | 1 | 0462-201-16141 |
| W18 | Tow Up | Brown | 16 | GXL | 26 | C2 | 5810130029 | Cinch Connectivity Solutions | G.1 | 4250000873 | C7 | DT06-2S | Deutsch | 1 | 0462-201-16141 |
| W19 | Pre-wet #2 | Green | 16 | GXL | 32 | C2 | 5810130029 | Cinch Connectivity Solutions | H.1 | 4250000873 | C9 | DT06-2S | Deutsch | 1 | 0462-201-16141 |
| W20 | G4 | Black | 16 | GXL | 8 | C2 | 5810130029 | Cinch Connectivity Solutions | J.2 | 4250000873 | S2 | - | - | - | - |
| W21 | G5 | Black | 16 | GXL | 8 | C2 | 5810130029 | Cinch Connectivity Solutions | J.3 | 4250000873 | S2 | - | - | - | - |
| W22 | P5 | Red | 16 | GXL | 8 | C2 | 5810130029 | Cinch Connectivity Solutions | K.1 | 4250000873 | S1 | - | - | - | - |
| W23 | P6 | Red | 16 | GXL | 8 | C2 | 5810130029 | Cinch Connectivity Solutions | K.2 | 4250000873 | S1 | - | - | - | - |
| W24 | P7 | Red | 16 | GXL | 8 | C2 | 5810130029 | Cinch Connectivity Solutions | K.3 | 4250000873 | S1 | - | - | - | - |
| W25 | P8 | Red | 16 | GXL | 20 | S1 | - | - | - | - | C11 | HDP24-24-19PN | Deutsch | 1 | 0460-202-16141 |
| W26 | P9 | Red | 16 | GXL | 20 | S1 | - | - | - | - | C11 | HDP24-24-19PN | Deutsch | 4 | 0460-202-16141 |
| W27 | +12 Volt Power | Red | 12 | GXL | 20 | S1 | - | - | - | - | C11 | HDP24-24-19PN | Deutsch | 8 | 0460-204-12141 |
| W28 | Ground | Black | 12 | GXL | 27 | S2 | - | - | - | - | Blunt Cut | - | - | - | - |
| W29 | G6 | Black | 16 | GXL | 10 | S3 | - | - | - | - | C3 | DT06-2S | Deutsch | 2 | 0462-201-16141 |
| W30 | G7 | Black | 16 | GXL | 8 | S3 | - | - | - | - | C4 | DT06-2S | Deutsch | 2 | 0462-201-16141 |
| W31 | G8 | Black | 16 | GXL | 8 | S3 | - | - | - | - | C5 | DT06-2S | Deutsch | 2 | 0462-201-16141 |
| W32 | G9 | Black | 16 | GXL | 11 | S3 | - | - | - | - | C6 | DT06-2S | Deutsch | 2 | 0462-201-16141 |
| W33 | G10 | Black | 16 | GXL | 10 | S3 | - | - | - | - | C7 | DT06-2S | Deutsch | 2 | 0462-201-16141 |
| W34 | G11 | Black | 16 | GXL | 15 | S3 | - | - | - | - | C8 | DT06-2S | Deutsch | 2 | 0462-201-16141 |
| W35 | G12 | Black | 16 | GXL | 18 | S3 | - | - | - | - | C9 | DT06-2S | Deutsch | 2 | 0462-201-16141 |
| W36 | G13 | Black | 16 | GXL | 15 | S3 | - | - | - | - | C10 | DT06-2S | Deutsch | 2 | 0462-201-16141 |
| W37 | Ground | Black | 12 | GXL | 29 | S3 | - | - | - | - | Blunt Cut | - | - | - | - |
| W38 | Ground | Black | 12 | GXL | 15 | C11 | HDP24-24-19PN | Deutsch | 10 | 0460-204-12141 | Blunt Cut | - | - | - | - |
| W39 | Ground | Black | 16 | GXL | 15 | C11 | HDP24-24-19PN | Deutsch | 2 | 0460-202-16141 | Blunt Cut | - | - | - | - |
| W40 | Ground | Black | 16 | GXL | 15 | C11 | HDP24-24-19PN | Deutsch | 5 | 0460-202-16141 | Blunt Cut | - | - | - | - |
| W41 | Auger Reverse | LT Green | 16 | GXL | 26 | C11 | HDP24-24-19PN | Deutsch | 13 | 0460-202-16141 | C4 | DT06-2S | Deutsch | 1 | 0462-201-16141 |
| W41 | Pre-Wet #2 Low Liquid | Purple | 16 | GXL | 28 | C11 | HDP24-24-19PN | Deutsch | 15 | 0460-202-16141 | C2 | 5810130029 | Cinch Connectivity Solutions | B.2 | 4250000873 |
| W412 | Ground | Black | 16 | GXL | 15 | C11 | HDP24-24-19PN | Deutsch | 17 | 0460-202-16141 | Blunt Cut | - | - | - | - |