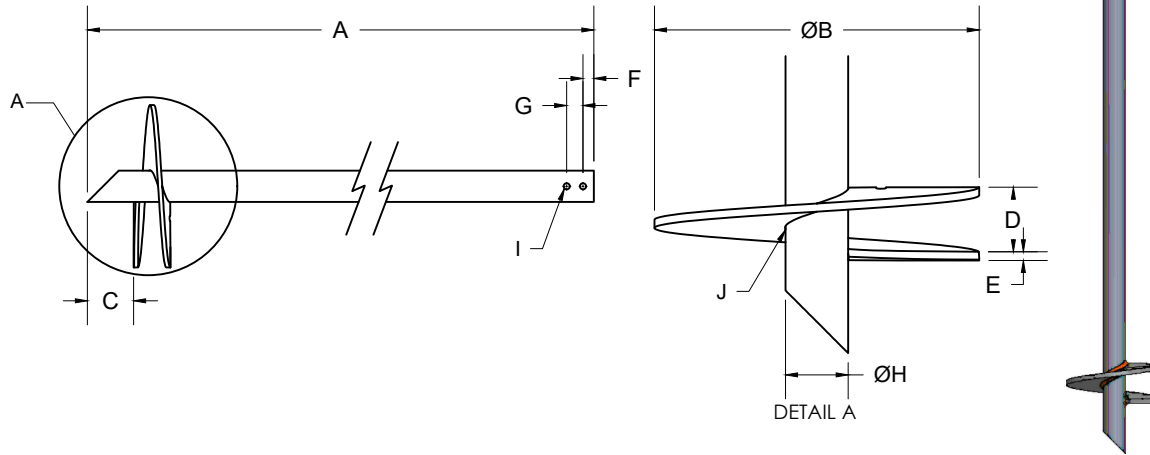


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NOTES :

- 1-MATERIALS:
  - PLATE PER CSA G40.21 50W, MIN.FY=60 KSI, ULTIMATE STRENGTH 70 KSI
  - TUBE PER ASTM A500 GR C, FY=60KSI, FU=70KSI
- 2-ANY CHANGE OF MATERIAL IS SUBJECT TO GOLIATHTECH APPROVAL
- 3-WELD PERFORMED IN ACCORDANCE WITH CSA STANDARD W47.1 AND GOLIATHTECH WELDING PROCEDURES. WELDERS ARE ALSO CERTIFIED TO THE AWS STANDARD.
- 4-HOT-DIP GALVANIZED, PARTS PER ASTM A123.



| NO. | Dimension (inches) | Description | MECHANICAL ASD LOAD CAPACITY  |                    |           |           |                |                |                          |                                    |
|-----|--------------------|-------------|---|--------------------|-----------|-----------|----------------|----------------|--------------------------|------------------------------------|
|     |                    |             | Unbraced Shaft Length, Lu (ft)  | Compression (kips) |           |           | Tension (kips) | Lateral (kips) | Bending Moment (kips.ft) | Max Soil Capacity Comp/Ten* (kips) |
|     |                    |             |   | 0 Coupler          | 1 Coupler | 2 Coupler |                |                |                          |                                    |
| A   | 42                 |             | 0   | 32.5               | 32.5      | 32.5      | 15.57          | 8.20           | 1.93                     | 15.75                              |
| B   | 11                 |             | 5   | 12.4               | 6.7       | 4.0       |                |                |                          |                                    |
| C   | 4 1/4              |             | 10  | 5.5                | 4.0       | 2.8       |                |                |                          |                                    |
| D   | PITCH 3            |             | 15  | 2.8                | 2.4       | 1.9       |                |                |                          |                                    |
| E   | 3/8                |             | 20  | 1.8                | 1.6       | 1.3       |                |                |                          |                                    |
| F   | 1                  |             | <b>Note:</b><br>1. Soil capacity (P4) must be determined per Section 4.1.5 of this report.<br>2. Maximum ultimate soil capacity is determined from $P_{ult} = K_t \times T$ based on the corresponding maximum installation torque rating for the specific pile model. Allowable soil capacity is determined from $P_a = P_{ult} / 2.0$ based on the corresponding maximum installation torque rating for the specific pile model. See Section 4.1.5 for additional information.<br>3. Mechanical torsion rating is the maximum torsional resistance of the steel shaft.<br>4. Maximum Torque Per Soil Tests is the maximum torque achieved during field axial verification testing that was conducted to verify the pile axial capacity related to pile-soil interaction.<br>5. Maximum Installation Torque rating is the lower of the "mechanical torsion rating" and the "maximum torque per soil tests".<br>6. The allowable soil capacity under the IRC must be determined in accordance with Equation 3 of Section 4.1.5 of this report, when applicable.<br>*7. Min required installation depth for tension is 12D where D is the diameter of the uppermost helix.<br>8. Max Soil Capacities based on the the tube torsional capacity. |                    |           |           |                |                |                          |                                    |
| G   | 1 1/2              |             |   |                    |           |           |                |                |                          |                                    |
| H   | 2 3/8              |             |   |                    |           |           |                |                |                          |                                    |
| I   | 9/16               |             |   |                    |           |           |                |                |                          |                                    |
| J   | 1/4                | Weld        |   |                    |           |           |                |                |                          |                                    |
|     |                    |             |   |                    |           |           |                |                |                          |                                    |
|     |                    |             |   |                    |           |           |                |                |                          |                                    |
|     |                    |             |   |                    |           |           |                |                |                          |                                    |

|     |                 |            |
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| 1   | INITIAL RELEASE | 2023-07-26 |
| REV | MODIFICATION    | DATE       |



GOLIATHTECH PRESTIGE LINE

TITLE: 3.5 Foot Screw Pile of 2 3/8 (0.154 wall) with a 11" Helix

|                 |                                     |
|-----------------|-------------------------------------|
| SEAL:           | DWG. NO :<br><b>GTP123811-3.5FT</b> |
|                 | DRAWN BY:<br>R.E                    |
|                 | DESIGN BY:<br>GOLIATHTECH           |
|                 | CHECK BY:<br>CPOC                   |
|                 | APP BY:<br>CPOC                     |
| OTHER NO :<br>- |                                     |

|            |         |                   |               |
|------------|---------|-------------------|---------------|
| FORMAT : A | REV.: 1 | DATE : 2023-07-26 | PAGE : 1 DE 1 |
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