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- -PLATE PER CSA G40.21 50W, MIN.FY=60 KSI, ULTIMATE STRENGTH
- -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.

1

3		
2		
1	INITIAL RELEASE	2023-05-19
REV	MODIFICATION	DATE

## Compression **Max Soil** Dimension Bending NO. Description (kips) Tension | Lateral Capacity (inches) Moment 2 (kips) (kips) Comp/Ten\* (kips.ft) Coupler Coupler Coupler (kips) 84 0 33.4 33.4 33.4 9 5 В 12.4 6.7 4.0 C 4 1/4 5.5 4.0 2.8 15.57 15.75 10 8.20 1.93 D PITCH 3 15 2.8 2.4 1.9 Ε 3/8 20 1.8 1.6 1.3 1

## Note:

В

G

Н

1 1/2

2 3/8

9/16

Weld

1/4

- 1. Soil capacity (P4) must be determined per Section 4.1.5 of this report.
- 2. Maximum ultimate soil capacity is determined from Pult = Kt x T based on the corresponding maximum installation torque rating for the specific pile model. Allowable soil capacity is determined from Pa = Pult /2.0 based on the corresponding maximum installation torque rating for the specific pile model. See Section 4.1.5 for additional information.

**MECHANICAL ASD LOAD CAPACITY** 

- 3. Mechanical torsion rating is the maximum torsional resistance of the steel shaft.
- 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
- 5. Maximum Installation Torque rating is the lower of the "mechanical torsion rating" and the "maximum torque per soil tests".
- 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.
- \*7. Min required installation depth for tension is 12D where D is the diameter of the uppermost
- 8. Max Soil Capacities based on the tube torsional cpacity.

		<b>TECL</b>
GOLI		IELH

## **GOLIATHTECH PRESTIGE LINE**

TITLE: Screw Pile of 2 3/8 (0.154 wall) with a 09" Helix

EAL:	DWG. NO:
	GTP123809
	DRAWN BY:
	R.E
	DESIGN BY:
	GOLIATHTECH
	CHECK BY:
	CPOC
	APP BY:
	CPOC
	OTHER NO:
	1

FORMAT : A	REV.:	DATE :	PAGE:
SCALE: NTS	1	2023-05-19	1 DE 1

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