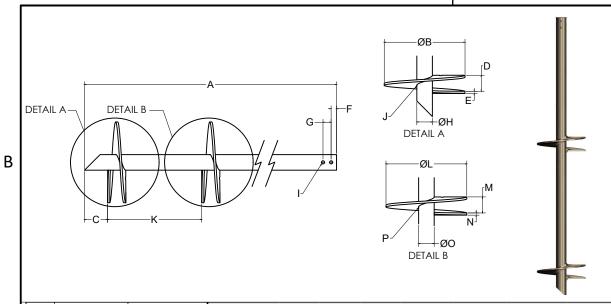
1



NOTES:

- 1-MATERIALS:
- HELIX PLATE PER CSA G40.21 50W, MIN.FY=60 KSI, ULTIMATE STRENGTH 70 KSI
- -TUBES 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.

3 2 1 2023-10-02

GOLIAŢHTECH

INITIAL RELEASE

MODIFICATION

GOLIATHTECH VENTURA LINE

TITLE: Double Helix Screw Pile of 2 7/8 (0.250 wall) with a 17" and 19" Helix

SFAL:

REV

VGTPI2781719 DRAWN BY: ARG DESIGN BY: **GOLIATHTECH** CHECK BY: CPOC APP BY:

DWG. NO:

CPOC

OTHER NO:

DATE

FORMAT : A REV.: DATE: PAGE: NTS 2023-10-02 1 DE 1 1

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	Dimension (inches)	Description	MECHANICAL ASD LOAD CAPACITY							
NO.			Undraged Staff, Lilen	Compression (kips)			Tension	Lateral	Bending	Max Soil Capacity
				0 Coupler	1 Coupler	2 Coupler	(kips)	(kips)	(kips.ft)	Comp/Ten * (kips)
Α	84		0	57.1	57.1	57.1				
В	17		5	24.4	13.1	7.1				
С	4 1/4		10	12.2	8.5	5.5	21.51	14.40	3.99	34.88
D	3 PITCH		15	6.5	5.3	3.9				
Е	3/8		20	4.0	3.5	2.9				
F	1		Note:	(D.1)			0 " 4	4.5. 6.0.:		

- 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.
- 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.

2

G

K

M

N

0

Р

1 1/2

2 7/8

9/16

Weld

Weld

1/4

3 PITCH

1/2

1/4

2 7/8

51

19