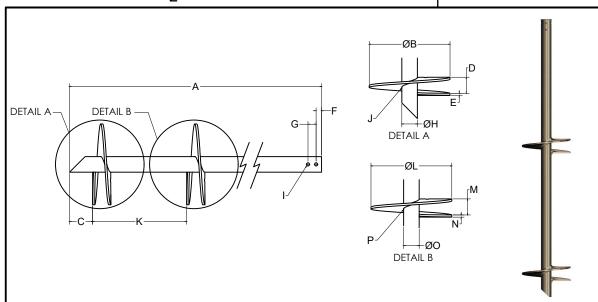
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N	OT	ES
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- 1-MATERIALS:
- HELIX PLATE PER CSA G40.21 50W, MIN.FY=60 KSI, ULTIMATE STRENGTH 70 KSI
- -TUBES PER ASTM A500 GR C, FY=60KSI, FU=70KSI
- 2-ANY CHANGE OF MATERIAL IS SUBJECT TO GOLIATHTECH 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 2 1 INITIAL RELEASE 2023-09-14

GOLIAŢHITECH

MODIFICATION

GOLIATHTECH VENTURA LINE

TITLE: 14' Double Helix Screw Pile of 2 7/8 (0.250 wall) with a 9"and 11"Helix

SEAL:

REV

DWG. NO:
VGTPI2780911-14FT

DRAWN BY:
ARG

DESIGN BY:
GOLIATHTECH

CHECK BY:
CPOC

APP BY:
CPOC

OTHER NO:

1

DATE

FORMAT : A	REV.:	DATE :	PAGE :
SCALE: NTS	1	2023-09-14	1 DE

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l		O. Dimension (inches)	Description	MECHANICAL ASD LOAD CAPACITY							
	NO.			Unbraced Straft, Lives	Compression (kips)		Tension	Lateral	Bending	Max Soil Capacity	
					0 Coupler	1 Coupler	2 Coupler	(kips)	(kips)	Moment (kips.ft)	Comp/Ten * (kips)
l	Α	168		0	57.1	57.1	57.1	21.51	14.40	3.99	34.88
l	В	9		5	24.4	13.1	7.1				
l	С	4 1/4		10	12.2	8.5	5.5				
l	D	3 PITCH		15	6.5	5.3	3.9				
l	Е	3/8		20	4.0	3.5	2.9				
l	F	1		Note: 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 correspondence.							
l	G	1 1/2								e corresponding	

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 ACDIOAD CADACITY

- 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 interaction.
- 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 helix.
- 8. Max Soil Capacities based on the the tube torsional cpacity.

2 7/8

9/16

1/4

3 PITCH

3/8

1/4

2 7/8

27

11

K

M

N

0

P

Weld

Weld

В