		2									1	1			
DETAI	IL A DET.	All B	-A	G	F	J/	ØB DETAIL A ØL DETAIL B				STRENGT -TUBES PE 2-ANY CHAN 3-WELD PER AND G	ATE PER CSA G40.21 TH 70 KSI R ASTM A500 GR C, GE OF MATERIAL IS S FORMED IN ACCORD	SUBJECT TO GOLIATH ANCE WITH CSA STAN NG PROCEDURES. WE	ECH APPROVAL DARD W47.1	
			MECHANICAL ASD LOA					AD CAPACITY			2				
	Dimension		18	Со	mpress	ion				Max Soil	1	INITIAL	RELEASE	2023-09-13	
NO.	Dimension	Description	shat up		(kips)		Tension	Lateral	Bending	Capacity	REV	MODIFI	CATION	DATE	
4	(inches)		anacea ethic	0	1	2	(kips)	(kips)	Moment	Comp/Ten					
			Unbraced shaft lifth	Coupler	Coupler	Coupler	(1105)	(11)5)	(kips.ft)	* (kips)	C	ni ic	ŢΗŢ		
A	168		0	58.4	58.4	58.4							╹┽┎╹╹╹		
В	13		5	34.5 22.3 13.9											
С	4 1/4		10	19.6	14.9	10.6	22.79	18.50	6.20	43.75		GOLIATHTECH VENTURA LINE			
D	3 PITCH		15	11.3	9.5	7.5					TITLE: 14'D	ouble Helix Screw Pile	of 3 1/2 (0.250 wall) wit	h a 13"and 15"Helix	
							1								
E	3/8		20	7.1	6.3	5.4					SEAL:		DWG. NO :		
E F	3/8		Note:								SEAL:		VGTPI31	21315-14FT	
	1		Note: 1. Soil capacity	(P4) mus	t be dete	ermined p				e corresponding	SEAL:				
F G	1 1 1/2		Note: 1. Soil capacity 2. Maximum ult maximum insta	(P4) mus imate soi Illation to	t be dete l capacity prque rat	ermined p y is deter ting for	mined from the specific	Pult = Kt x T pile model	based on the Allowable	e corresponding soil_capacity_is	SEAL:		VGTPI31 DRAWN BY ARG DESIGN BY	:	
F	1 1 1/2 3 1/2		Note: 1. Soil capacity 2. Maximum ult maximum insta	(P4) mus imate soi Illation to n Pa = P	t be dete l capacity orque rat ult /2.0 ba	ermined p y is deter ting for ased on	mined from the specific the correspo	Pult = Kt x T pile model nding maxir	based on the Allowable s num installation		SEAL:		VGTPI31 DRAWN BY ARG DESIGN BY GOLIATH	:	
F G H I	1 1 1/2 3 1/2 9/16	Weld	Note: 1. Soil capacity 2. Maximum ult maximum insta determined fror for the specific 3. Mechanical t	(P4) mus imate soi illation to n Pa = P pile mode orsion rat	t be dete l capacity orque rat ult /2.0 ba el. See So ting is the	rmined p y is deter ting for ased on ection 4.1	mined from the specific the correspo 1.5 for addition m torsional r	Pult = Kt x T pile model nding maxir onal informa esistance o	Allowable s Allowable s num installation tion. f the steel sha	soil capacity is on torque rating ift.	SEAL:		VGTPI31 DRAWN BY ARG DESIGN BY	:	
F G H J	1 1 1/2 3 1/2 9/16 1/4	Weld	Note: 1. Soil capacity 2. Maximum ult maximum insta determined fror for the specific 3. Mechanical t 4. Maximum	(P4) mus imate soi illation to n Pa = P pile mode orsion rat orque F	t be dete l capacity orque rat ult /2.0 b el. See So ting is the Per Soil	ermined p y is deter ting for ased on ection 4.7 maximu Tests is	mined from the specific the correspo 1.5 for addition m torsional r the maxim	Pult = Kt x T pile model nding maxir onal informa esistance o um torque	based on the Allowable s num installation tion. f the steel sha achieved du	soil capacity is on torque rating	SEAL:		VGTPI31: DRAWN BY ARG DESIGN BY: GOLIATH CHECK BY: CPOC APP BY:	:	
F G H I	1 1 1/2 3 1/2 9/16 1/4 39	Weld	Note: 1. Soil capacity 2. Maximum ult maximum insta determined fror for the specific 3. Mechanical t 4. Maximum T verification test interaction.	(P4) mus imate soi illation to n Pa = P pile mode orsion rat orque F ting that	t be dete l capacity orque rat ult /2.0 b el. See So ting is the er Soil was cor	ermined p y is deter ting for ased on ection 4.2 maximu Tests is nducted	mined from the specific the correspo 1.5 for addition m torsional r the maxim to verify the	Pult = Kt x T pile model nding maxir onal informa resistance o um torque pile axial	based on the Allowable s num installation tion. f the steel sha achieved du capacity rela	soil capacity is on torque rating Ift. Iring field axial ated to pile-soil	SEAL:		VGTPI31: DRAWN BY ARG DESIGN BY: GOLIATH CHECK BY: CPOC APP BY: CPOC	ITECH	
F G H J K L	1 1 1/2 3 1/2 9/16 1/4 39 15	Weld	Note: 1. Soil capacity 2. Maximum ult maximum insta determined fror for the specific 3. Mechanical t 4. Maximum T verification test interaction.	(P4) mus imate soi illation to n Pa = P pile mode orsion rat orque F ting that stallation	t be dete l capacity orque rat ult /2.0 b el. See So ting is the er Soil was cor Torque	ermined p y is deter ting for ased on ection 4.2 maximu Tests is nducted	mined from the specific the correspo 1.5 for addition m torsional r the maxim to verify the	Pult = Kt x T pile model nding maxir onal informa resistance o um torque pile axial	based on the Allowable s num installation tion. f the steel sha achieved du capacity rela	soil capacity is on torque rating off. Iring field axial	SEAL:		VGTPI31: DRAWN BY ARG DESIGN BY: GOLIATH CHECK BY: CPOC APP BY:	ITECH	
F G H J K L M	1 1 1/2 3 1/2 9/16 1/4 39 15 3 PITCH	Weld	Note: 1. Soil capacity 2. Maximum ult maximum insta determined fror for the specific 3. Mechanical t 4. Maximum T verification tesi interaction. 5. Maximum In "maximum torqu 6. The allowabl	(P4) must imate soit illation to n Pa = P pile mode orsion rat orque F ting that stallation ue per so e soil caj	st be dete I capacity orque rat ult /2.0 b sl. See Sr ting is the Per Soil was cor Torque il tests". pacity un	ermined p y is deter iing for ection 4.2 maximu Tests is nducted rating is der the II	mined from I the specific the correspo I.5 for additi m torsional i the maxim to verify the the lower of RC must be	Pult = Kt x T pile model nding maxir phal informa esistance o um torque e pile axial	based on the Allowable s num installation tion. f the steel sha achieved du capacity rela anical torsion	soil capacity is on torque rating Ift. Iring field axial ated to pile-soil	FORMAT : A	REV.:	VGTPI31: DRAWN BY ARG DESIGN BY: GOLIATH CHECK BY: CPOC APP BY: CPOC OTHER NO -	: : PAGE :	
F G H J K L N	1 1 1/2 3 1/2 9/16 1/4 39 15 3 PITCH 3/8	Weld	Note: 1. Soil capacity 2. Maximum ult maximum insta determined fror for the specific 3. Mechanical t 4. Maximum T verification tesi interaction. 5. Maximum In "maximum torq 6. The allowabl 3 of Section 4.1	(P4) mus imate soi illation to n Pa = P pile mode orsion rat orque F ting that stallation ue per so e soil ca .5 of this	st be dete l capacity orque rat ult /2.0 b el. See So ing is the er Soil was cor Torque il tests". pacity un report, w	ermined p y is deter ting for ased on ection 4. ' maximu Tests is nducted rating is der the II then appl	mined from I the specific the correspo I.5 for addition m torsional in the maxim to verify the the lower of RC must be licable.	Pult = Kt x T pile model nding maxir onal informa esistance of um torque e pile axial the "mecha determined	based on the Allowable s num installation tion. f the steel sha achieved du capacity rela anical torsion in accordanc	soil capacity is on torque rating lift. liring field axial ated to pile-soil rating" and the	FORMAT : A SCALE : N	ITS 1	VGTPI31: DRAWN BY ARG DESIGN BY: GOLIATH CHECK BY: CPOC APP BY: CPOC OTHER NO - DATE : 2023-09-	: : 13 PAGE : 1 DE 1	
F G H J K L M	1 1 1/2 3 1/2 9/16 1/4 39 15 3 PITCH	Weld	Note: 1. Soil capacity 2. Maximum ult maximum insta determined fror for the specific 3. Mechanical t 4. Maximum T verification tesi interaction. 5. Maximum In "maximum torq 6. The allowabl 3 of Section 4.1	(P4) mus imate soi illation to n Pa = P pile mode orsion rat orque F ting that stallation ue per so e soil cap .5 of this d installat	st be dete l capacity orque ral ult /2.0 b el. See So ing is the er Soil was cor Torque il tests". pacity un report, w ion depth	ermined p y is deter ting for ased on ection 4. ' maximu Tests is nducted rating is der the II /hen appin n for tens	mined from I the specific the correspo 1.5 for addition m torsional in the maxim to verify the the lower of RC must be licable. ion is 12D w	Pult = Kt x T pile model nding maxir onal informa esistance of um torque e pile axial the "mecha determined there D is th	based on the Allowable s num installation tion. f the steel sha achieved du capacity rela anical torsion in accordanc	soil capacity is on torque rating ft. Iring field axial ated to pile-soil rating" and the e with Equation	FORMAT : A SCALE : N This document of	ITS 1 CONTAINS PROPRIETARY INFOR RESS WRITTEN PERMISSION OF	VGTPI31: DRAWN BY ARG DESIGN BY: GOLIATH CHECK BY: CPOC APP BY: CPOC OTHER NO -	: ITECH : 13 РАGE : 1 DE 1 : : : :	