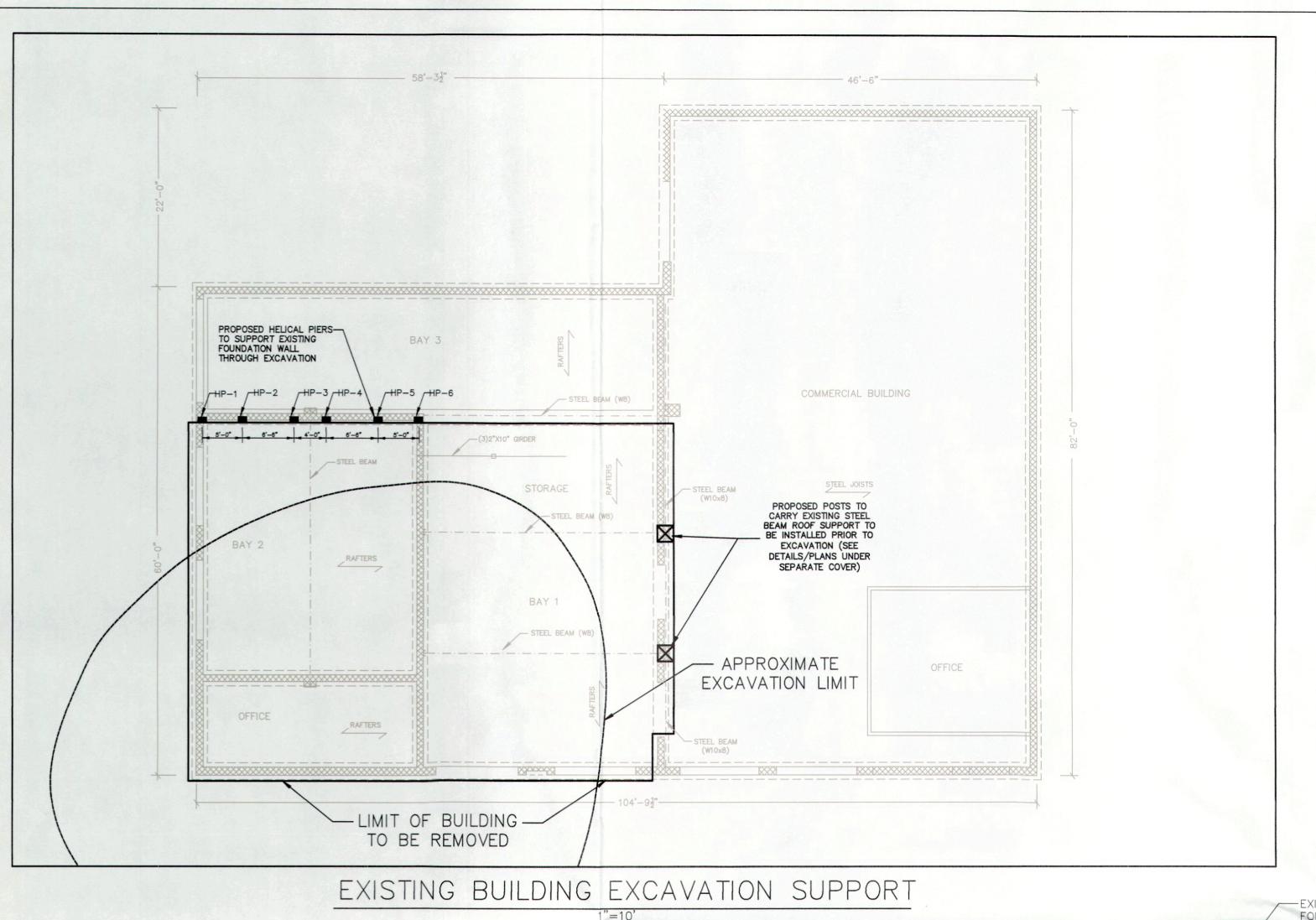
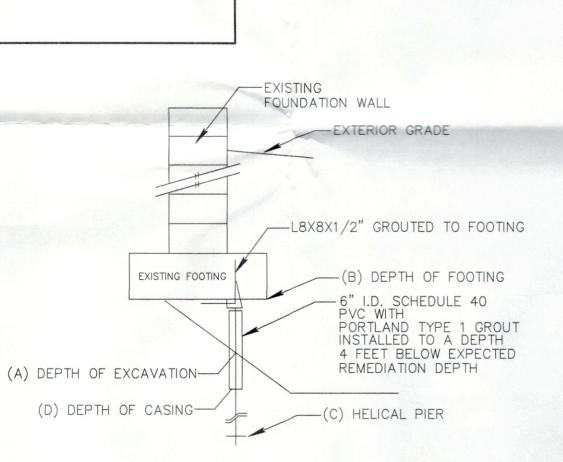


CHECKED BY: M.R.M.

SHEET NO. 1 OF 2 PROJECT NUMBER



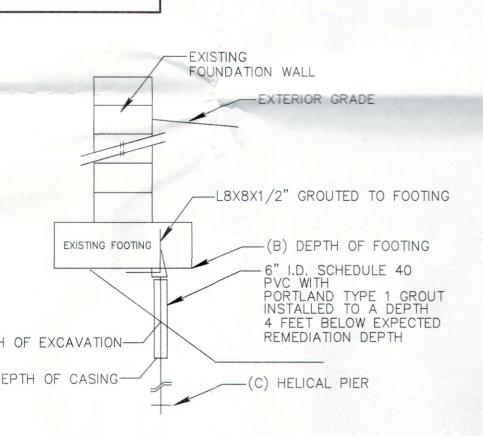




NST	CAL PIER ALLATION REQUIREMENTS DETAIL)	
_	DEPTH OF EXCAVATION	10'
В	DEPTH OF FOOTING*	2'(+/-)
С	MINIMUM TOP HELICAL DEPTH	15'
D	MINIMUM CASING DEPTH	13'

INSTALL TO 4000 FT-LBS OF TORQUE (MIN)

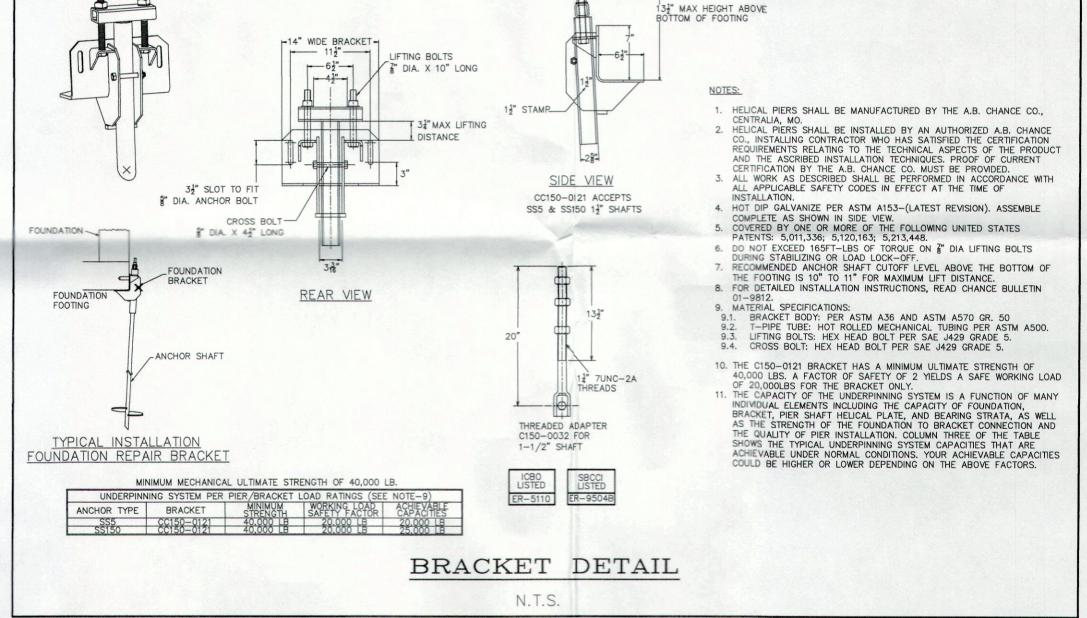
PIERS ARE TO BE INSTALLED TO PROVIDE A MINIMUM DESIGN CAPACITY OF 10 TONS (20 KIPS)



N.T.S.

Α	DEPTH OF EXCAVATION	10'
В	DEPTH OF FOOTING*	2'(+/-)
С	MINIMUM TOP HELICAL DEPTH	15'
D	MINIMUM CASING DEPTH	13'

NOTE: IF THE FOUNDATION SHAFTS ARE TO BE EXPOSED MORE THAN 5 FEET, THE TOP MUST BE BRACED OR PROTECTED AGAINST SIDE SWAY



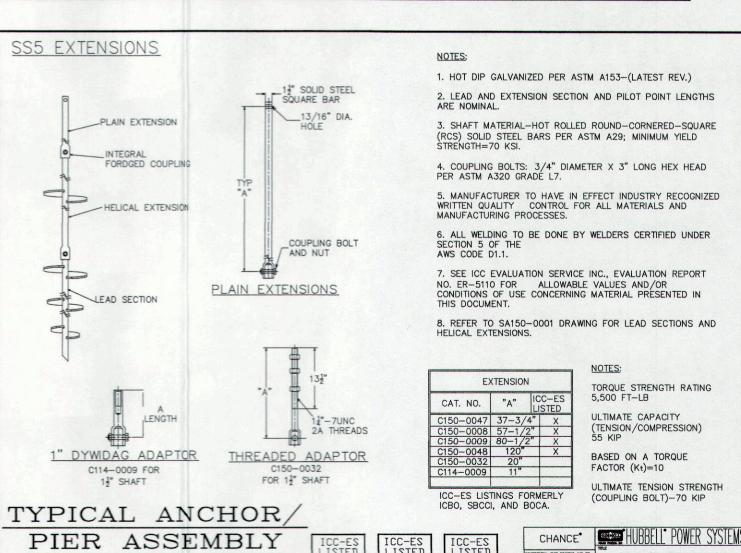
N.T.S.

## PIER INSTALLATION CERTIFICATION:

INSTALLATION CONCEPT OF

PILE CAP DETAIL

PER 2108 IBC NJ EDITION DECTION 1705.9 HELICAL PILE FOUNDATIONS. CONTINUOUS SPECIAL INSPECTIONS SHALL BE PERFORMED DURING INSTALLATION OF HELICAL PILE FOUNDATIONS. THE INFORMATION RECORDED SHALL INCLUDE INSTALLATION EQUIPMENT USED, PILE DIMENSIONS, TIP ELEVATIONS, FINAL DEPTH, FINAL INSTALLATION TORQUE AND OTHER PERTINENT INSTALLATION DATA AS REQUIRED BY THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE. THE APPROVED GEOTECHNICAL REPORT AND THE CONSTRUCTION DOCUMENTS PREPARED BY THE REGISTERED DESIGN PROFESSIONAL SHALL BE USED TO DETERMINE COMPLIANCE.



==NOTES==

PIPE: STEEL PIPE, PER ASTM GRADE B, OR ASTM A 500

3. RATING: 20 TON (178 KN) COMPRESSION WORKING/DESIGN LOAD. THIS RATING IS VALID ONLY IF THE PILE CAP DETAIL HAS BEEN DESIGNED TO ENSURE ADEQUATE LOAD TRANSFER FROM REINFORCED CONCRETE FOUNDATION TO SCREW PILE,

REQUIREMENTS AND/OR ESTABLISHED LOCAL PRACTICES.

-2-3/8" (60 mm)  $\Box$ . D.

ANCHORS

CAT/PART/ASSY

DO NOT SCALE THIS DRAWING DRN BY DFT DATE DATE SHEET SHT

ACCEPTS 1-1/2" (38 SQUARE SHAFT

AND IN ACCORDANCE WITH EXISTING LOCAL CODE

1/2'' (12. 7 mm) - 6" (150 mm) - >

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POVER SYSTEMS, INC.

THICK PLATE

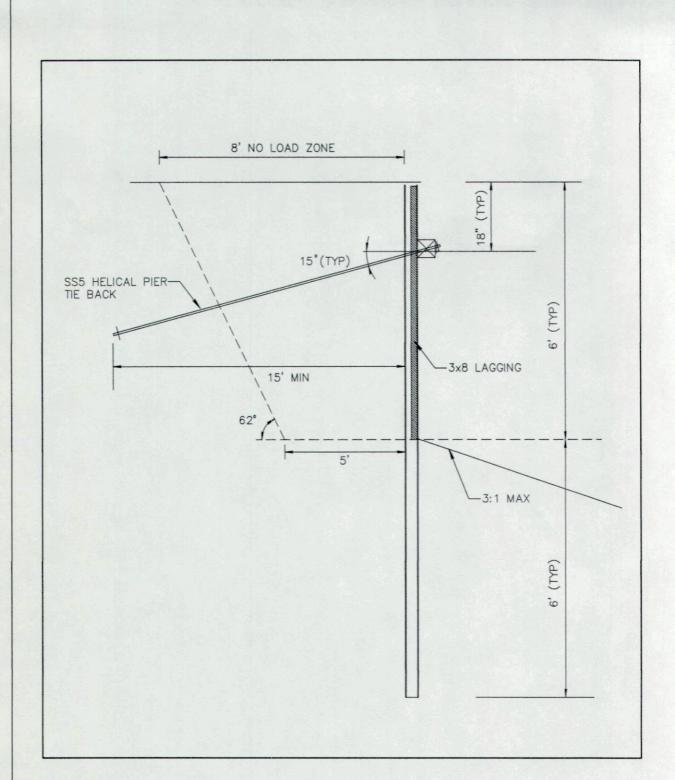
1. FINISH: MILL FINISH STEEL. 2. MATERIAL SPECIFICATIONS:

PLATE: PER ASTM A572 GRADE 50.

GRADE B.

<---6" (150 mm)→

CATALOG NUMBER C150-0458



SHORING DETAIL PROFILE

NTS

SHORING DETAIL NTS

RETAINED

**EMBEDMENT** 

- W6x 25 SOLDIER BEAM

-8x8 WALE WITH

- DRIVEN PILE BEAM

OR OPTIONAL DRILLED HOLE WITH CONCRETE

ENCASEMENT

HELICAL PIER TIEBACK

CALE: AS SHOWN DATE: 3/21/22 DRAWN BY: CHECKED BY: M.R.M.

> SHEET NO. 2 OF 2 PROJECT NUMBER 356-109

Scope Consulting Consulting CERTIFICATE No. 24
P.O. BOX 899
FORKED RIVER, NJ
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LIES AVENUE - BLOCK 515

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