

GENERAL NOTES

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- 1. REFERENCE DRAWINGS:
TOWER ENGINEERING PROFESSIONALS LTD.
TOWER FOUNDATIONS (70 - ft GUYED TOWER)
REVISED FOUNDATIONS (70 - ft GUYED TOWER)
DWG NO E1, CODE: T14/EA-222F, 06/24/09

SPECIAL PROVISIONS

- NO SUBSTITUTIONS ALLOWED UNLESS THE FOLLOWING ARRANGEMENTS ARE MADE.
- 1. WRITTEN PERMISSION OBTAINED FROM THE CONSULTANT AND THE PROJECT MANAGER.

CODES OF PRACTICE, BY-LAWS, REGULATIONS

- 1. COMPLY WITH NATIONAL BUILDING CODE, LOCAL BY-LAWS, CANADIAN CONSTRUCTION SAFETY CODE AND ALL REGULATIONS SET BY AUTHORITIES HAVING JURISDICTION. IN CASE OF CONFLICT OR DISCREPANCY, THE MORE STRINGENT REQUIREMENTS SHALL APPLY.

LOADS

- 1. EXAMINE ALL DRAWINGS, SPECIFICATIONS AND REMAINING CONTRACT DOCUMENTS TO OBTAIN ALL APPLICABLE LOADINGS. REPORT DISCREPANCIES TO CONSULTANT.
- 2. ALL DESIGN LOADINGS GIVEN ON THE DRAWINGS ARE SPECIFIED WORKING LOADS:
CENTRE PILE (TOWER) :
AXIAL (VERTICAL) = 7701 lbs.
AXIAL (HORIZONTAL) = 1795 lbs.
MOMENT=1000 ft-lb
GUY LINE PILES :
AXIAL (VERTICAL) = -2824 lbs.
AXIAL (HORIZONTAL) = 1795 lbs.

ESTIMATING, CONTRACTUAL ARRANGEMENTS ETC.


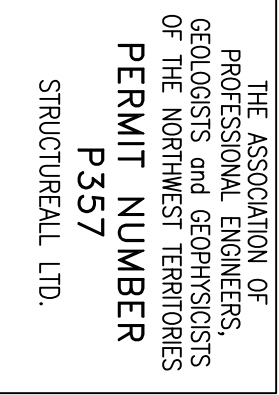

- 1. VISIT THE SITE AND EXAMINE IT FOR ALL CHARACTERISTIC FEATURES AFFECTING REMEDIAL FOUNDATION WORKS.
- 2. REPORT ANY DISCREPANCIES TO THE CONSULTANT BEFORE PROCEEDING WITH THE WORK.

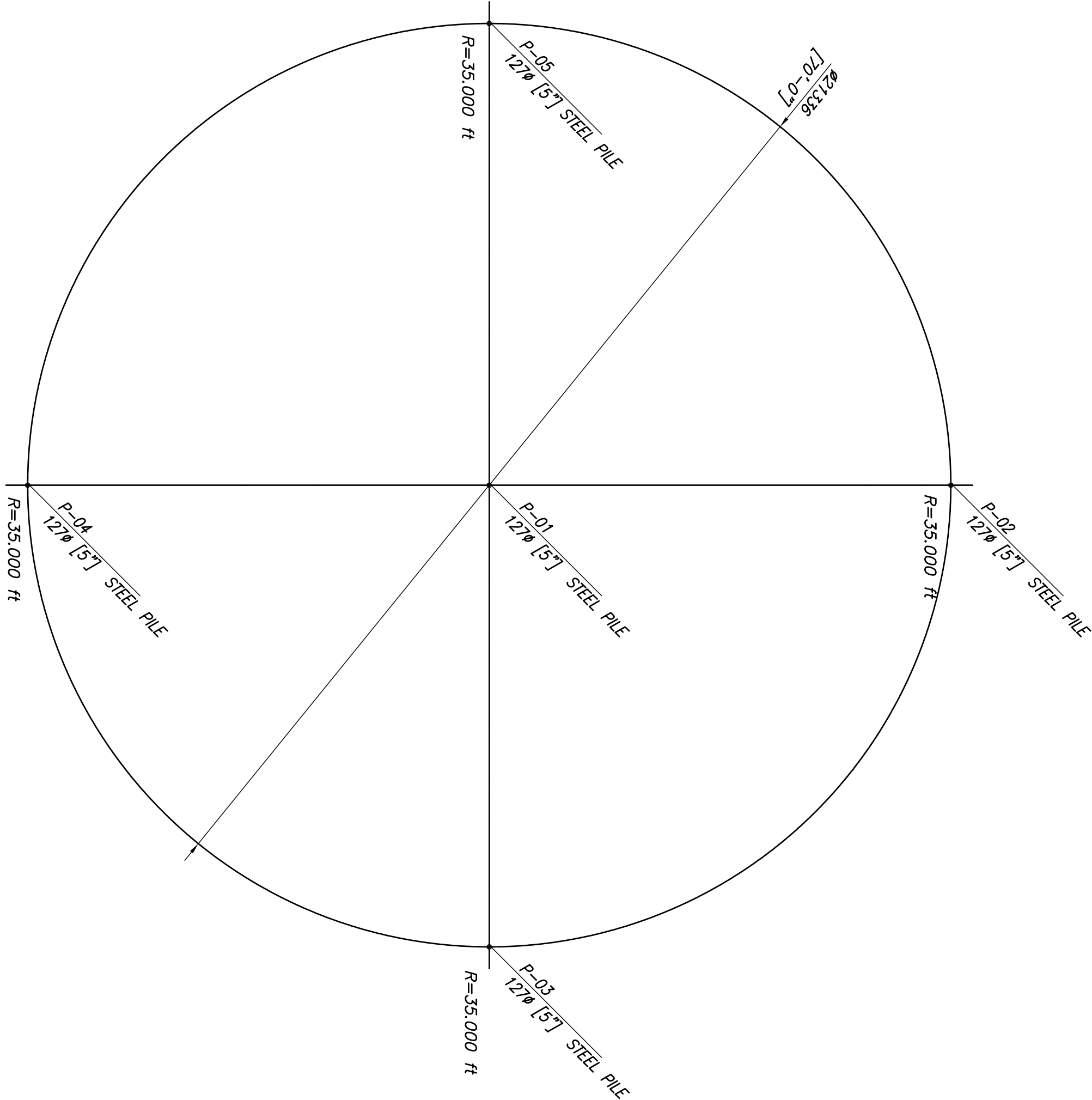
DESIGN

- 1. ALL STRUCTURAL MEMBERS ARE DESIGNED IN ACCORDANCE WITH THE NATIONAL BUILDING CODE, LATEST EDITION.
- 2. ALL STRUCTURAL STEEL MEMBERS ARE DESIGNED IN ACCORDANCE WITH C.S.A. STANDARDS CAN/CSA-S16.1-94, -"LIMIT STATES DESIGN OF STEEL STRUCTURES".

STRUCTURAL STEEL

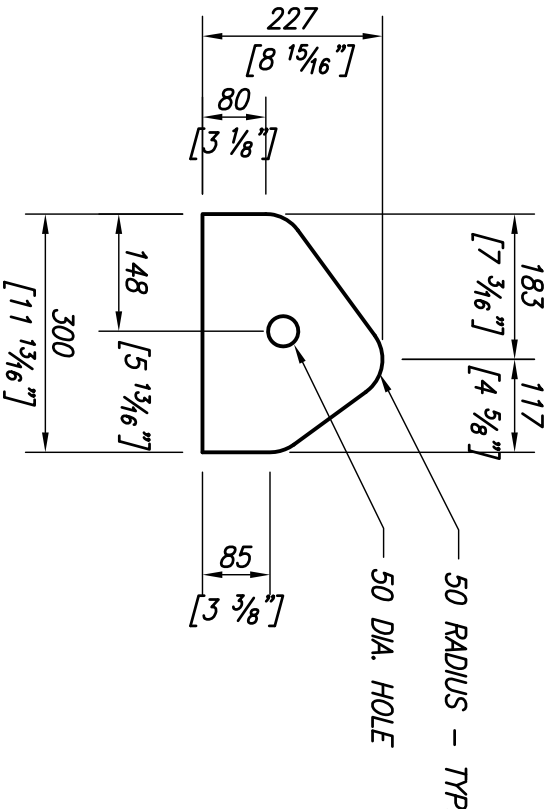
- 1. ALL STRUCTURAL STEEL SHALL CONFORM TO CSA STANDARD G40.21-M92.
 - a) ROLLED WF, WWF GRADE M350W.
 - b) PLATE, CHANNELS, ANGLES GRADE M300W.
 - c) HSS SHALL HAVE MIN. YIELD OF 350 MPa (CLASS C).
- 2. FABRICATION AND ERECTION SHALL CONFORM TO C.S.A. STANDARDS CAN/CSA S16.1-94.
- 3. ALL WELDING SHALL BE DONE BY QUALIFIED WELDERS IN COMPLIANCE WITH CSA STANDARD W47.1-1992 AND IN ACCORDANCE WITH CSA STANDARD W59-M1989.
- 4. PROVIDE WELDED OR BOLTED CONNECTIONS TO RESIST THE REACTIONS PRODUCED BY THE FRAMING AND LOAD CONDITIONS.
- 5. ALL BOLTS EXCEPT HIGH STRENGTH COMPLYING WITH ASTM A325M BOLTS EXCEPT A307 BOLTS FOR ANCHOR BOLTS. TO ALL NEW STRUCTURAL STEEL, PROVIDE ONE SHOP COAT OF PRIME PAINT COMPLYING WITH OSC/CPMA STANDARD 1-73c.
- 7. SUBMIT ERECTION AND DETAIL DRAWINGS FOR REVIEW BEFORE FABRICATION.
- 8. VERIFY ALL DIMENSIONS ON SITE BEFORE COMMENCING FABRICATION OF STEEL WORK.
- 9. CLEAN ALL FIELD WELDS AFTER ERECTION, AND TOUCH UP WITH PRIME PAINT.
- 10. GALVANIZING, IF USED, SHALL BE IN COMPLIANCE WITH C.S.A. STANDARDS CAN/CSA G164-M92 - "HOT DIP GALVANIZING OF IRREGULARLY SHAPED ARTICLES".
- 11. CAP PLATES ON TOP OF EXTERIOR EXPOSED COLUMNS TO BE CONTINUOUSLY SEALED - WELDED TO PREVENT MOISTURE PENETRATION.
- 12. ALL BOLTS FOR FRAMING CONNECTIONS TO BE BEARING TYPE BOLTS UNLESS NOTED OTHERWISE.
- 13. CHECK FOR AVAILABILITY OF STEEL WF SECTIONS MANUFACTURED BY ALGOMA STEEL IN CANADA. REPLACE UNAVAILABLE BEAM SECTION WITH EQUIVALENT AMERICAN SECTION OF SAME CAPACITY IF REQUIRED.

COPYRIGHT NOTICE			REVISION BLOCK		REFERENCE DRAWINGS		CLIENT INFORMATION		PERMIT TO PRACTICE		SEAL		PROJECT NUMBER		PROJECT TITLE					
THE INFORMATION SHOWN ON THIS DRAWING IS PROTECTED BY COPYRIGHT AND HAS BEEN PREPARED FOR THE SOLE PURPOSE OF THIS PROJECT AND THE SOLE BENEFIT OF THE OWNER. ANY UNAUTHORIZED USE OF THIS DRAWING OR ANY PART THEREOF IS A BREACH OF COPYRIGHT. USE OF THIS INFORMATION FOR ANY PURPOSE OTHER THAN THE PROJECT DESCRIBED HEREIN IS AT THE SOLE RISK OF THE USER.			REV	DESCRIPTION	DATE(DD/MM/YYYY)	APPROVED							2010-1430		WIND TOWER FOUNDATION TALOYOAK, NU GENERAL NOTES					
			1	ISSUED FOR CONSTRUCTION	30/06/2010	PN			THE ASSOCIATION OF PROFESSIONAL ENGINEERS, GEOLOGISTS AND GEOPHYSICISTS OF THE NORTHWEST TERRITORIES PERMIT NUMBER P357 STRUCTUREL LTD.				DRAWN BY JW		DATE(DD/MM/YYYY) 30/06/2010	CONTRACTOR STRUCTURE ALL	SIZE D	SHEET NO. S-1	SHEET REFERENCE 1 / 2	EXP. 1
													CHECKED BY PN		30/06/2010	CONSULTING ENGINEERS LTD PO BOX 1434 YELLOWKNIFE, NT, X1A 2H1	DRAWING SCALE AS SHOWN			



WHISPER 500 TOWER SUPPORT/PILING PLAN

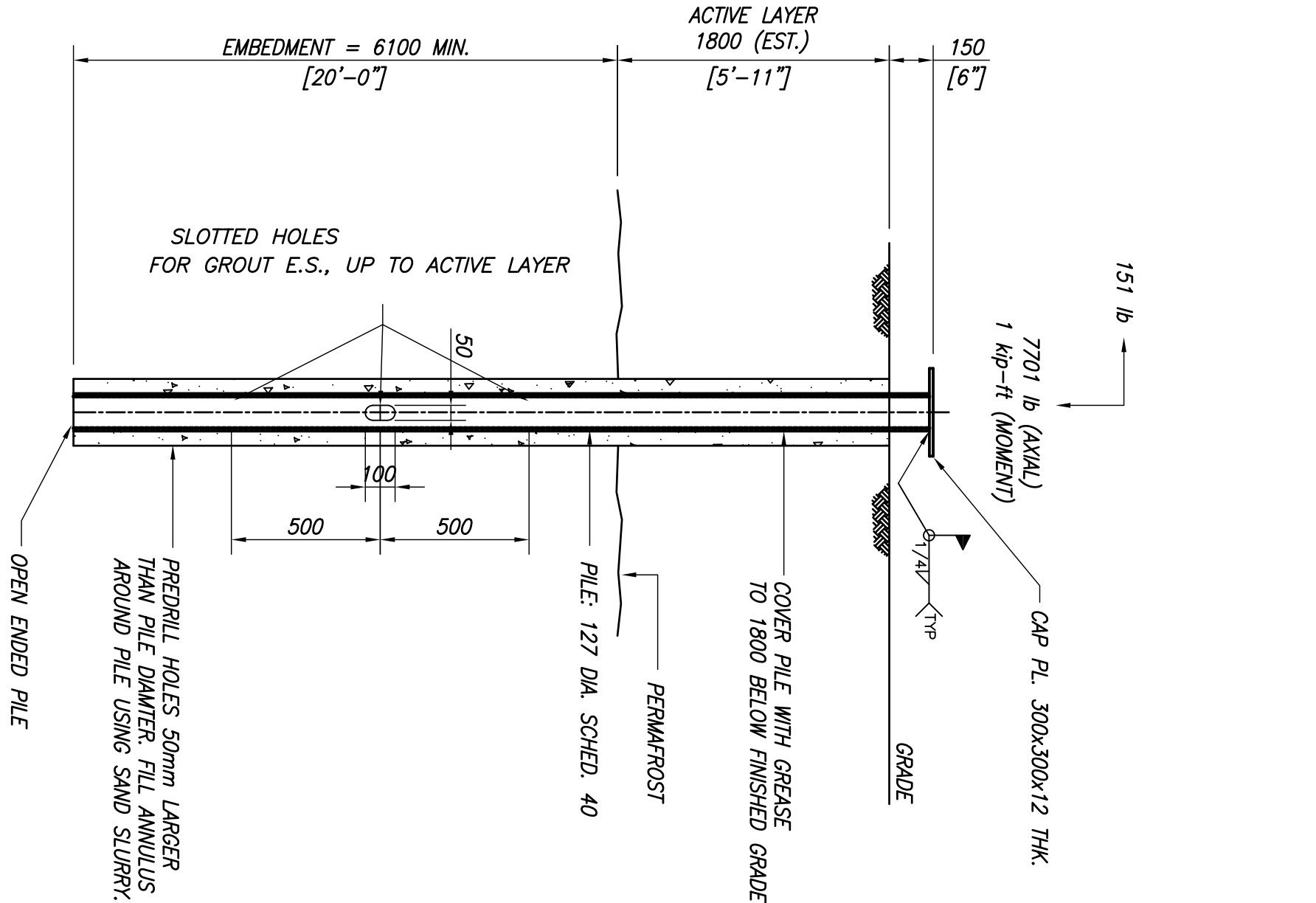
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DETAIL '2'

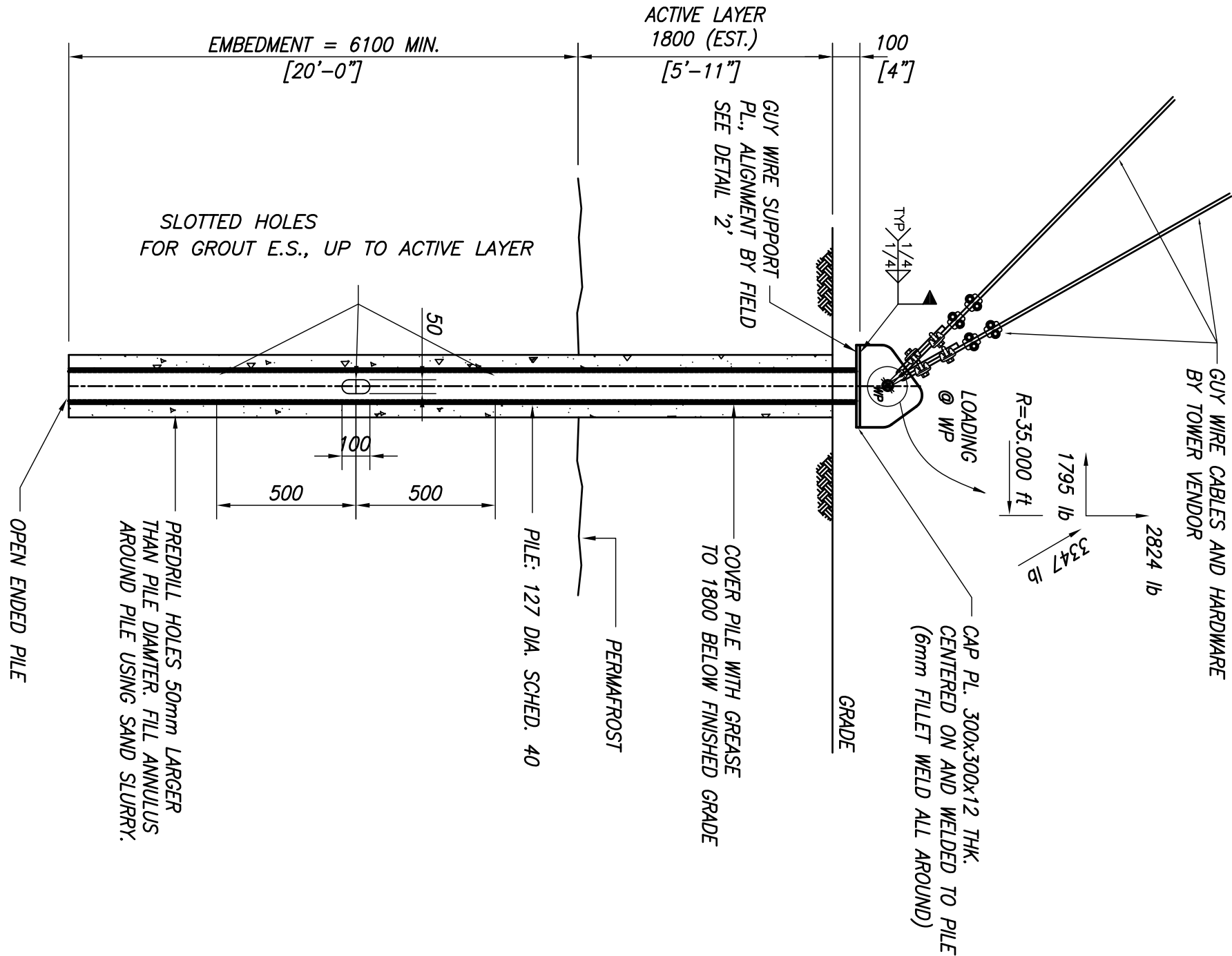
GUY WIRE ANCHOR PL. - 4 REQ'D

SCALE = 1:10



PILE DETAIL P-01

SCALE = 1:20



PILE DETAIL P-02 THRU P-05

SCALE = 1:20

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REV	DESCRIPTION	DATE(DD/MM/YYYY)	APPROVED						APPROVALS	DRAWN BY	DATE(DD/MM/YYYY)	DESIGNED BY	DATE(DD/MM/YYYY)	CONTRACTOR	SIZE	SHEET NO.	SHEET REFERENCE
									JW		30/06/2010	PN	30/06/2010	CONSULTING ENGINEERS LTD	D	SWR. NO.	S-2
1	ISSUED FOR CONSTRUCTION	30/06/2010	PN						PN		30/06/2010	PN	30/06/2010	PO BOX 1434 YELLOWKNIFE, NT, X1A 2P1	AS SHOWN	2	1 / 2