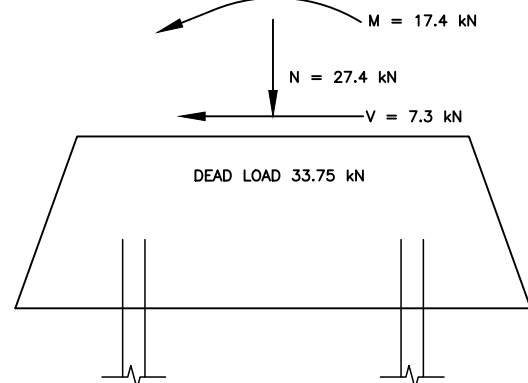
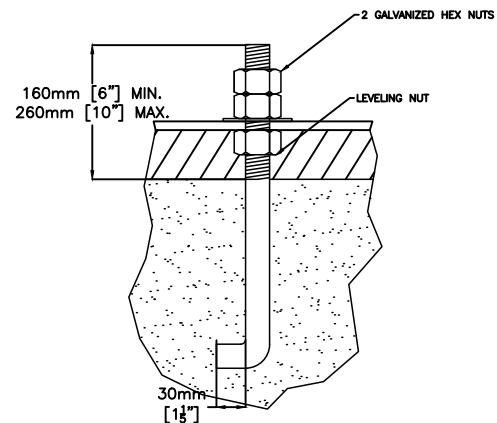


Vendor / Sous-traitant

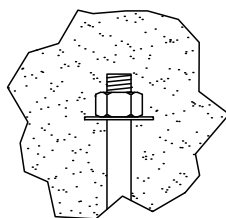
DESIGN LOADING NOTES:
Wind pressure of 600Pa was used in calculating factored load combinations. Ice accretion thickness of 50mm was used. All loads were factored per NBCC 2010.



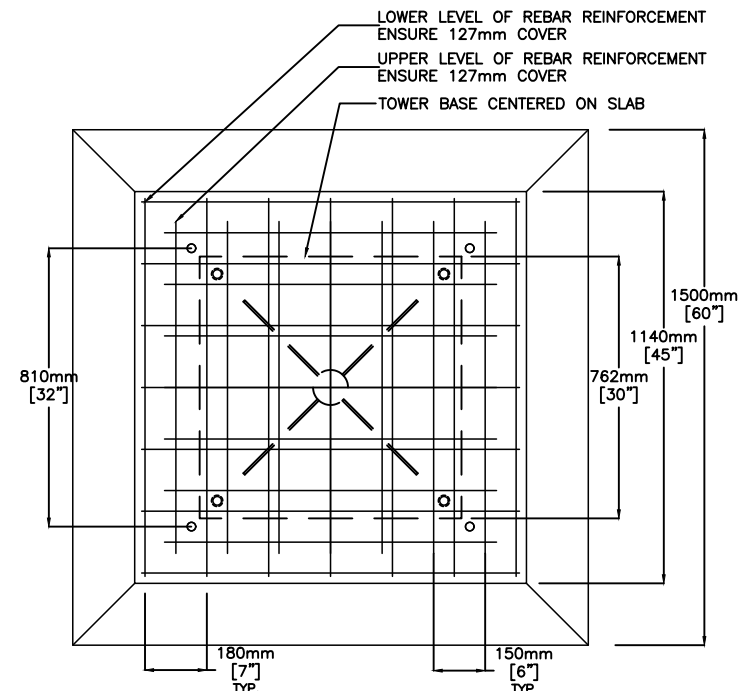
16' PIPEMAST FOUNDATION DESIGN LOADS
NTS



DETAIL A:
COMPLETE WITH 3 NUTS
AND 1 SQUARE WASHER



DETAIL B:
COMPLETE WITH 1 NUT
AND 1 SQUARE WASHER



PLAN VIEW Note: Stirrup not shown. See detail

ORDER OF INSTALLATION NOTES:

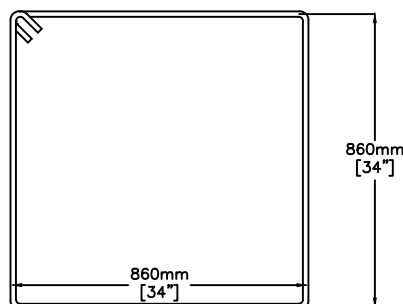
1. LOCATE INSTALLATION LOCATION AS PER CONFIRMATION BY COAST GUARD
2. USING PLYWOOD TEMPLATE, DRILL 4-#28.58MM [1-1/8"] HOLES USING ONE OF THE APPROVED METHODS OUTLINED UNDER CONCRETE ACCESSORIES, SECTION 031500
3. CLEAN ALL HOLES AND REMOVE ANY LOOSE MATERIALS
4. INJECT HILTI RE 500 V3 EPOXY ADHESIVE TO COVER 3/4TH TO 7/8TH THE DEPTH OF EACH HOLE
5. USE ONE [1] 47.3 FL OZ CARTRIDGE OR TWO [2] 16.9 FL OZ CARTRIDGES PER HOLE
6. PLACE 4-#25MM [1"] ASTM A193 GR B7 ZINC PLATED THREADED RODS IN HOLES IMMEDIATELY AFTER EPOXY INJECTION
7. REPEAT STEPS 2-6 FOR PROOF LOAD TEST ANCHOR
8. PROOF LOAD TEST SHALL BE COMPLETED 12 HOURS [MINIMUM] FOLLOWING INSTALLATION
9. INSTALL CONCRETE FOOTING AS PER CONCRETE NOTES BELOW

CONCRETE NOTES

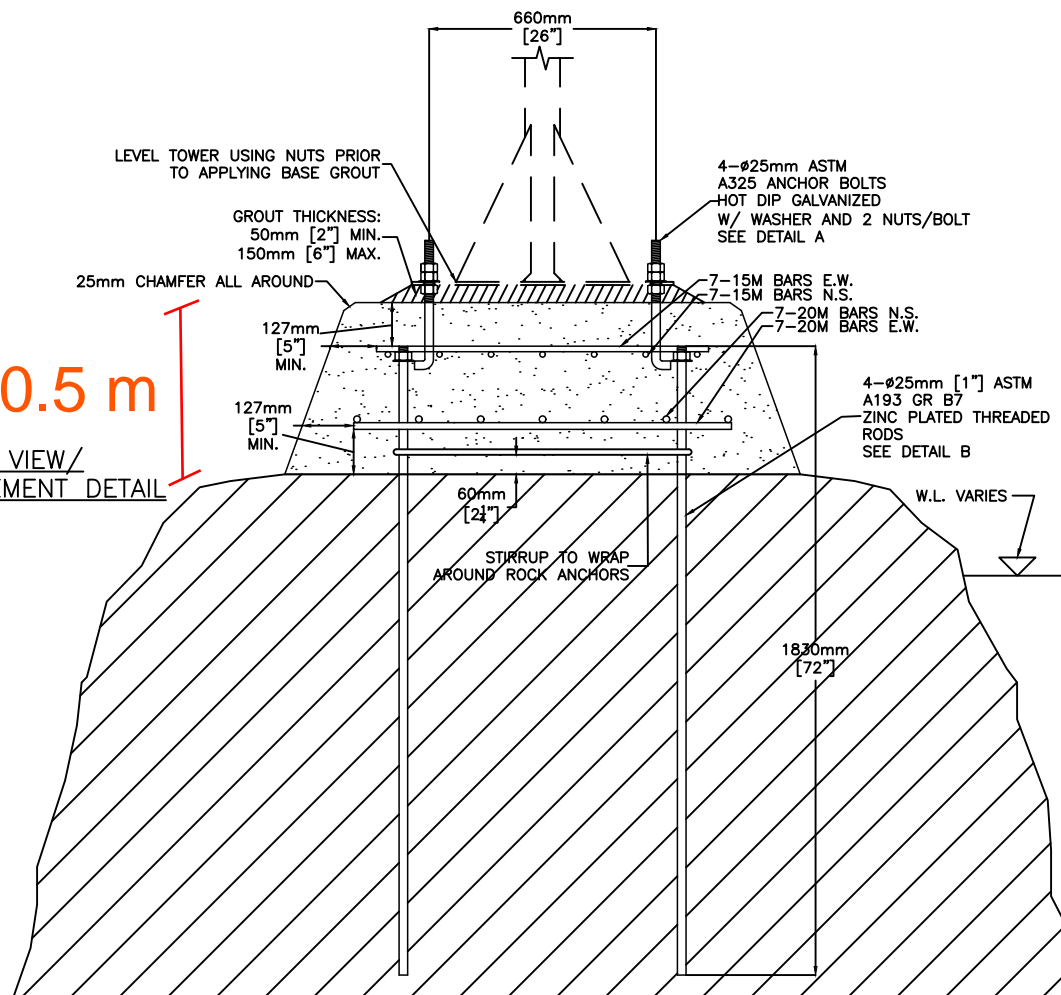
1. WORK TO BE DONE IN ACCORDANCE WITH THE LATEST REVISION OF ONTARIO PROVINCIAL STANDARD SPECIFICATIONS FOR STRUCTURES.
2. CLASS OF CONCRETE: CSA EXPOSURE CLASS C-1 (35 MPA COMPRESSIVE STRENGTH), AIR ENTRAINED.
3. CONTRACTOR SHALL SUBMIT A SUMMARY OF CONCRETE PROPERTIES WITH CONSTRUCTION PLAN
- 3.1. SUPPLEMENTAL ADMIXTURES IMPACTING PLASTIC AND HARDENED PERFORMANCE SHALL BE SUBJECT TO APPROVAL OF COAST GUARD
4. REINFORCING STEEL SHALL BE GRADE 400 DEFORMED BARS. BARS SHALL BE PRE-BENT AT SUPPLIERS PLANT
5. PLACEMENT OF REINFORCEMENT TO BE CONFIRMED BY COAST GUARD PRIOR TO CONCRETE PLACEMENT
6. CHAMFER ALL EXPOSED CORNERS 25MM.
7. COVER TO REINFORCING STEEL 127MM ± 20MM EXCEPT WHERE NOTED.
8. LAP SPLICE INFORMATION (UNLESS NOTED OTHERWISE)
UNCOATED: 15M - 480MM, 20M - 640MM
9. THE ANCHOR BOLTS SHALL BE GRADE A325 OR GREATER, HOT DIP GALVANIZED. SUPPLY WASHER AND 3 NUTS PER BOLT.
10. FORMWORK AND FALSEWORK SHALL BE AS DETAILED IN APPROVED CONSTRUCTION PLAN
11. CONTRACTOR TO ASSIST WITH COLLECTION OF SAMPLES FOR CONFIRMATION OF CONCRETE QUALITY.
12. CURING SHALL BE COMPLETED IN ACCORDANCE WITH APPROVED CONSTRUCTION PLAN
13. TOWER SHALL NOT BE ERECTED UNTIL CONCRETE TESTING INDICATES ADEQUATE STRENGTH DEVELOPMENT
10. USE LEVELING NUT AS NOTED IN DETAIL A TO INSURE THE TOWER IS PLUMB
11. UPON COMPLETION OF INSTALLATION, CUT ANY EXCESS THREADS EXTENDING 25MM BEYOND TOP NUT, AND COLD-GALV SPRAY 2 COATS ON EXPOSED END OF ROD.
12. GROUT - SIKA M-BEDOR APPROVED ALTERNATE.

Concrete thickness is 0.5 m

ELEVATION VIEW/
REINFORCEMENT DETAIL



STIRRUP DETAIL
NTS



C

B

A

DWG NO - NO DES

0	DESCRIPTION	BY	yyyy-mm-dd
rev	description	by	date
Asset - Actif			
LL1420.7 THREE SISTERS			
Drawing - Dessin			
16' PIPEMAST FOUNDATION			
designed - conception		date	
A.B		2017-06-15	
drawn - dessiné		date	
MF		2017-06-08	
checked - vérifié		date	
A.B		2017-06-08	
approved - approuvé		date	
BY		2017-06-08	
CCG ref. no. - no. réf. GCC		scale - échelle	
LAKE NIPISSING MULTI-SITE		N.T.S	
drawing no. - no. dessin		sheet-feuille	rev
DWG NO - NO DES		01/01	0