GENERAL NOTES:

GENERAL.

1. READ ALL DRAWINGS IN CONJUNCTION WITH OTHER DISCIPLINES AND SPECIFICATIONS, REPORT ANY DISCREPANCIES TO THE ENGINEER.
2. ALL WORK SHALL CONFORM TO THE NATIONAL BUILDING CODE (NBC) 2015.
3. ALL DIMENSIONS SHOWN IN THE DRAWING ARE IN MILIMETER AND SHALL NOT BE SCALED.
4. CONTRACTORS AND TRADES SHALL BE EXPERIENCED IN THE WORK REQUIRED, WORK SHALL BE COMPLETED IN ACCORDANCE WITH ACCEPTED CONSTRUCTION PRACTICE.
5. THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY ALL SITE CONDITIONS AND MEASUREMENTS AND REPORT ANY DISCREPANCIES OR UNSATISFACTORY CONDITIONS IMMEDIATELY TO THE ENGINEER, WHICH MAY ADVERSELY AFFECT THE PROPER COMPLETION OF THE JOB BEFORE PROCEEDING WITH THE WORK.
6. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UNDERGROUND SERVICES BEFORE EXCAVATION AND SHALL BE RESPONSIBLE FOR REPAIRING ANY DAMAGED SERVICES.
7. ENGINEER MUST BE NOTIFIED IN WRITING OF ANY CHANGES OR DEVIATION FROM THE DRAWING.
8. FEATURES OF CONSTRUCTION NOT FULLY SHOWN ARE OF SAME CHARACTER AS THOSE NOTED FOR SIMILAR CONDITIONS

MATERIALS

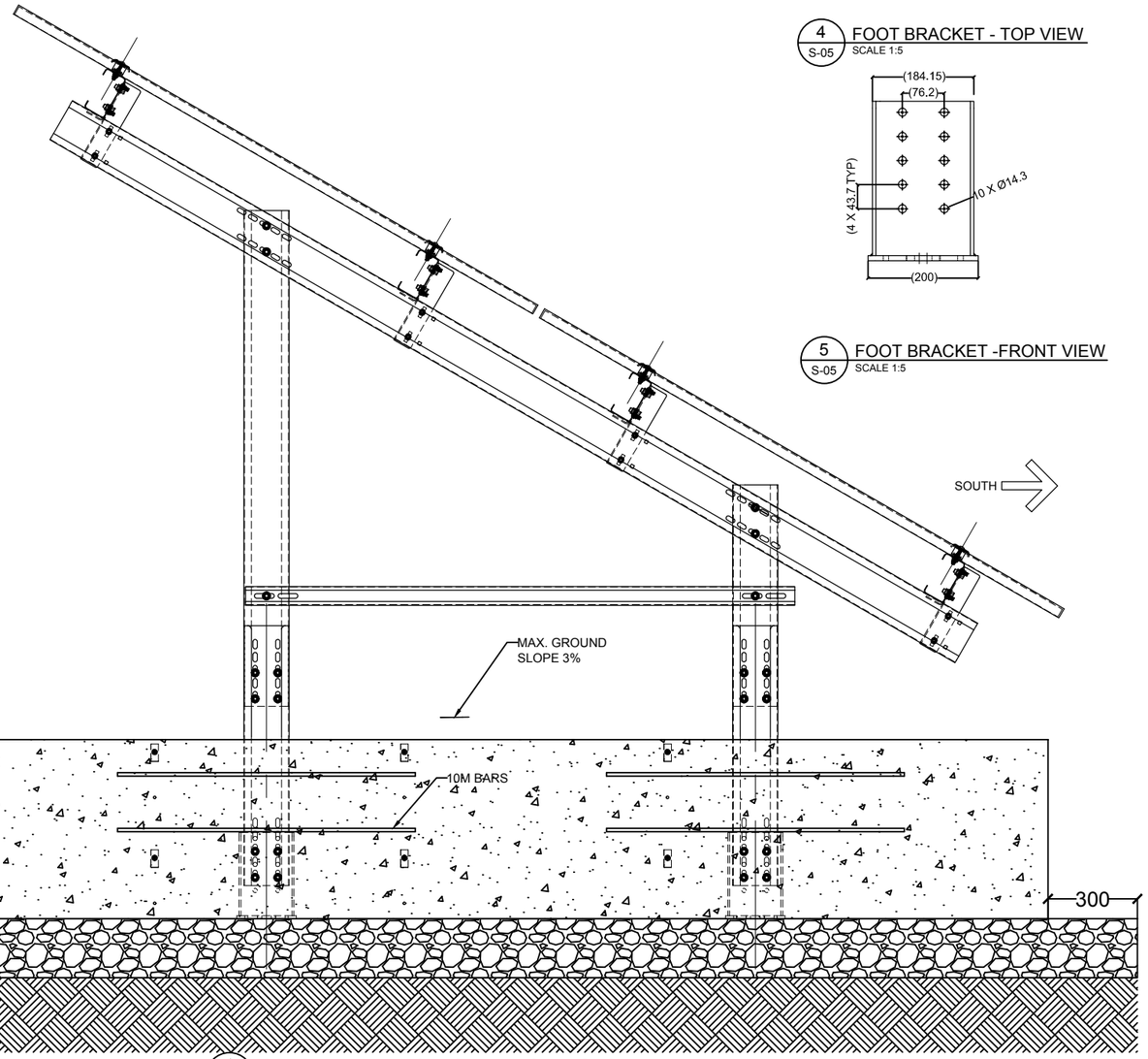
9. ALL CONCRETE SHALL CONFORM TO CSA STANDARD A23.1 WITH THE FOLLOWING SPECIFICATIONS AT TIME OF PLACING:
   - 9.1.1. EXPOSURE CLASS C-2
   - 9.1.2. MINIMUM 28 days STRENGTH, f'c=30MPa
   - 9.1.3. MAXIMUM SLUMP = 100±20mm
   - 9.1.4. AIR CONTENT = 6%-9%
10. FOOT BRACKET STEEL PLATE TO CONFORM TO ASTM A572, Gr. 50, MINIMUM YIELD, Fy=50ksi, OR EQUIVALENT.
11. CONCRETE FOOTING TO BE PLACED ON SOIL WITH MINIMUM BEARING CAPACITY OF 100 kPa (SLS).
12. IF GRADING IS REQUIRED IN LOCATIONS WHERE RACKING IS TO BE PLACED, COMPACTION OF SITE MATERIALS (PRESSUMED TO BE COBBLES AND BOULDERS WITH SAND) TO BE PLACED WITH AN APPROVED, NON-ORGANIC MATERIAL IN MAXIMUM 500 mm LIFTS AND COMPACTED A MINIMUM OF 6 PASSES WITH A DYNAMIC PACKER WITH A MINIMUM OPERATING MASS OF 8,000 kg AND MINIMUM OPERATING DYNAMIC FORCE OF 150 kN.
13. FOOT BRACKET TO BE HOT DIPPED GALVANIZED PER ASTM A123 AFTER FABRICATION.
14. ALL REINFORCEMENT MUST BE DEFORMED BARS WITH MINIMUM YIELD STRENGTH OF 400 MPa AND MUST SATISFY THE C.S.A. STANDARDS G30.18.
15. A MINIMUM CLEAR COVER OF 50 mm HAS TO BE PROVIDED TO ALL REINFORCEMENTS.

DESIGN SPECIFICATIONS

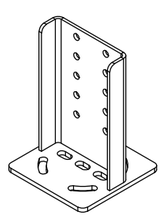
16. CONCRETE DENSITY: "I = 2,400kg/m ' (150 pct).
17. FOR LOCATION AND PLAN DETAILS AND DIMENSIONS AND ALL OTHER STRUCTURAL DETAILS AND DIMENSIONS NOT INDICATED, REFER TO SITE LAYOUT DRAWINGS BY OTHERS.
18. FOR LOADING REFER TO TABLE S5-1

RACK INSTALLATION

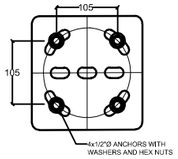
19. FOOT BRACKET
    - 19.1. ALIGN THE CORNER SLOTS OF THE FOOT BRACKET WITH THE ½" ANCHORS EXTENDED FROM THE CONCRETE BALLAST AS SHOWN IN FIGURES 1 & 2 , THEN FASTEN THE ½" NUTS TO A TORQUE RATE OF 75 ft-lb.
20. A-FRAMES & E-W BEAMS
    - 20.1. REFER TO THE DUAL LEG RACK INSTALLATION MANUAL FOR INSTALLATION PROCEDURES.



1 S-05 CONCRETE BALLAST FOUNDATION - LONGITUDINAL VIEW
SCALE 1:20

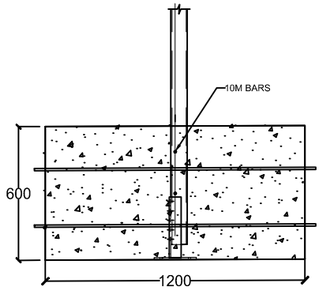


3 S-05 FOOT BRACKET - ISOMETRIC VIEW
SCALE NTS

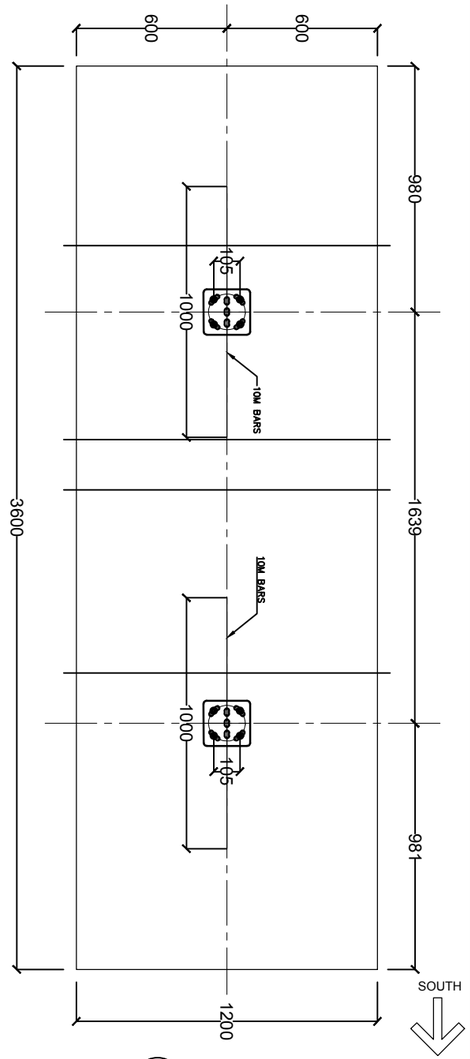


4 S-05 FOOT BRACKET - TOP VIEW
SCALE 1:5

5 S-05 FOOT BRACKET -FRONT VIEW
SCALE 1:5



2 S-05 CONCRETE BALLAST FOUNDATION - TRANSVERSE VIEW
SCALE 1:25



6 S-05 FOUNDATION PLAN
SCALE NTS

POLAR RACKING
6889 Rexwood Road, Unit 5, Mississauga, ON L4V 1R2
TEL: 416-860-6722 FAX: 416-860-6719
www.polarracking.com

ARRAY INFORMATION

PROPOSED DC SIZE	XXX kW DC
ARRAY SIZE	2 x 8 MODULES
TILT ANGLE	30°
AZIMUTH	xx°
PANEL TYPE	XXX
PANEL DIMS.	X X X X X mm
PANEL QTY.	XXX
TABLE QTY. No. 2x18	XX
INTER-ROW SPACING	XXXmm

REV NO.	ISSUANCE	DATE

PROJECT NAME:

PRU-D 2x8

DRAWING NAME:

PROJ. NO.:	DWG. BY:	CHKD. BY:	APPR. BY:
000000	AS	---	---

DRAWING NUMBER: