

APPROVED
By Wolfgang Fritz at 11:24 am, Nov 22, 2010

DESIGN CRITERIA:
2006 EDITION OF THE INTERNATIONAL BUILDING CODE, WITH LOCAL AMENDMENTS.

LOADS:
MODULE DEAD LOAD = 2.85 PSF.
SNOW LOAD = 3.6 PSF. (BASED ON 5 PSF GROUND SNOW LOAD)
Is = 1.0 Cs = 0.9 Ct = 1.2 Cs = 0.73

WIND DESIGN:
BASIC WIND SPEED = 90 MPH (3 SECOND GUST).
EXPOSURE: C
Iw = 1.0

INSTALLATION TOLERANCES:
LATERAL POST PLACEMENT IS $\pm 5.0"$
TOTAL LATERAL DEVIATION OF POSTS WITHIN AN ARRAY IS $\pm 5.0"$
POST HEIGHT VARIATION TOLERANCE IS $\pm 0.40"$
POST VERTICALITY TOLERANCE $< 2.0"$ IN ALL DIRECTIONS
POST ROTATIONAL TOLERANCE $< \pm 7.0"$
ARRAY TILT ANGULAR TOLERANCE $\pm 1.0"$

GENERAL:
1. THE STRUCTURAL CONSTRUCTION DOCUMENTS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OR SEQUENCE OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR AND PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO, BRACING, SHORING FOR LOADS DUE TO CONSTRUCTION EQUIPMENT, ETC. THE STRUCTURAL ENGINEER SHALL NOT BE RESPONSIBLE FOR THE CONTRACTOR'S MEANS, METHODS, TECHNIQUES, SEQUENCES FOR PROCEDURE OF CONSTRUCTION, OR THE SAFETY PRECAUTIONS AND THE PROGRAMS INCIDENT THERE TO (NOR SHALL OBSERVATION VISITS TO THE SITE INCLUDE INSPECTION OF THESE ITEMS). THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN AND IMPLEMENTATION OF ALL SCAFFOLDING, BRACING AND SHORING.
2. WHERE REFERENCE IS MADE TO VARIOUS TEST STANDARDS FOR MATERIALS, SUCH STANDARDS SHALL BE THE LATEST EDITION AND/OR ADDENDA.

FOUNDATIONS:
1. FOUNDATION DESIGN IS BASED UPON GEOTECHNICAL REPORT/TESTING REQUIREMENTS BY TERRACON; PROJECT NO: TO BE DETERMINED.
ALL CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF THE GEOTECHNICAL REPORT.
2. THE STRUCTURAL ENGINEER IS NOT RESPONSIBLE FOR ANY GEOTECHNICAL ASPECTS OF THIS PROJECT. IF THE INSTALLER NOTICES ANY SOIL THAT HAS DIFFERENT DRIVING CHARACTERISTICS THAN EXISTED FOR TESTED DRIVEN POSTS, CONTACT THE ENGINEER IMMEDIATELY.

NOTE:
THE POST EMBEDMENT DEPTH IS PRELIMINARY AND SHALL BE VERIFIED BY THE STRUCTURAL ENGINEER OF RECORD PRIOR TO CONSTRUCTION. BASED UPON ON SITE TESTING BY THE GEOTECHNICAL ENGINEER.

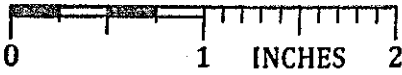
ALUMINUM:
1. ALL ALUMINUM SHALL CONFORM WITH THE LATEST ALUMINUM DESIGN HANDBOOK.
ALL ALUMINUM SECTIONS SHALL BE 6105-T5.
2. ALL BOLTS SHALL BE STAINLESS STEEL, UNLESS NOTED OTHERWISE.

TORQUE:
M8 BOLT TORQUE IS 18 N-M (13 FT-LBS)
M10 BOLT TORQUE IS 41 N-M (30 FT-LBS)
M12 BOLT TORQUE IS 70 N-M (52 FT-LBS)

MODULE SIZE:
RACKING SYSTEM DESIGNED FOR MODULE SIZE: 1685mm x 993mm x 50mm
VERTICAL MODULE GAP: 23mm
HORIZONTAL MODULE GAP: 5mm

PLANNING BOARD
TOWN OF BETHLEHEM
ALBANY COUNTY, NEW YORK
By direction of the Chairman.
These drawings are hereby approved.
See sheet(s) 1-21
for date and signature.

TOWN OF BETHLEHEM, NEW YORK
PLANNING DEPT. ORIGINAL
- SCANNED -



NO.	DRAWN:	CHECKED:	REVIEWED:	APPROVED:	REVISIONS:
0	BB 11.18.10				

Client:

Cyprus Shriners



Ground Mount FS 2V x 12 30°
Racking Structure
Dimensions and Specifications

ISSUED BY: SCHLETTER INC.
PROPRIETARY AND CONFIDENTIAL

Project Site:
Cyprus Shriners
Site Plan Amendment
27 Hannay Lane

TOWN OF BETHLEHEM APPROVAL