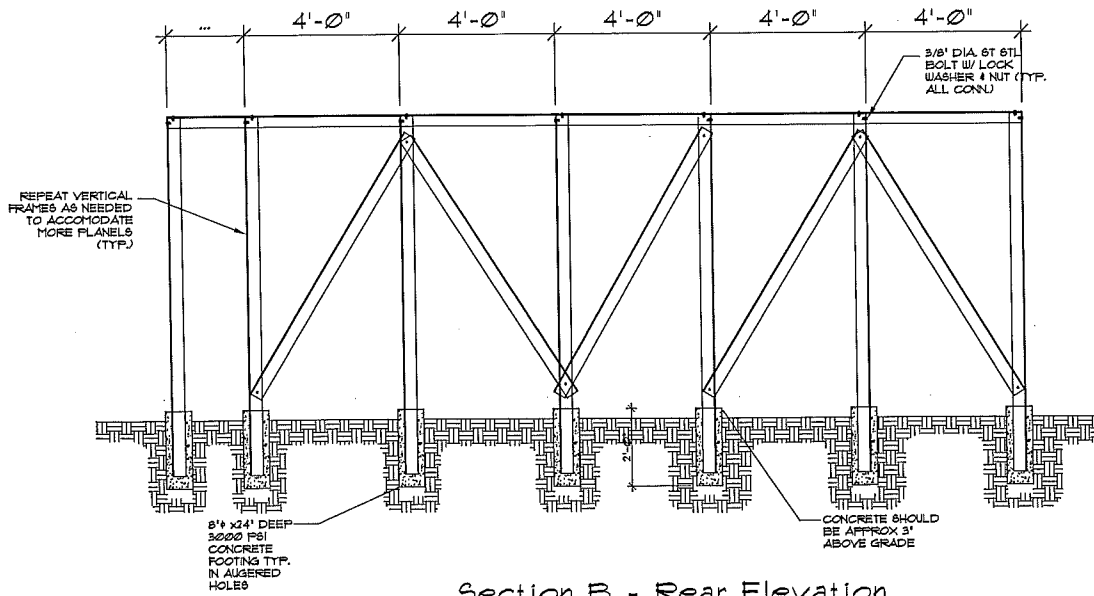


Framing Plan

SCALE NONE

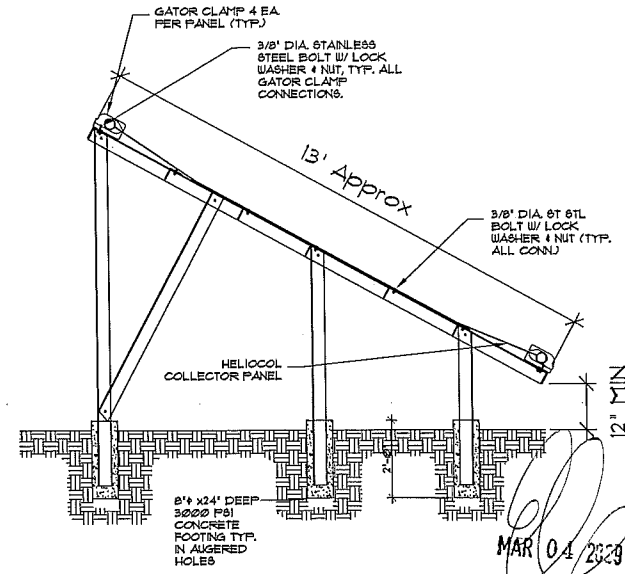
GENERAL NOTES:

1. THESE PLANS ARE IN COMPLIANCE WITH THE 2001 FLORIDA BUILDING CODE, SECTION R301 FOR 120 MPH WIND EXPOSURE CATEGORY 'B'. THESE PLANS REMAIN IN EFFECT UNTIL FUTURE CODE REVISIONS DICTATE THAT AN UPDATE IS NECESSARY.
2. COLLECTOR SUPPORT FRAME AND PANEL CONNECTIONS SHOULD HAVE BEEN DESIGNED TO RESIST WIND LOADS OUTLINED IN THE 2001 FLORIDA BUILDING CODE, CHAPTER 16 FOR 120 MPH EXPOSURE 'C' WIND VELOCITY AND PER ASCE 1-02B, CHAPTER 6.0 FOR 120 MPH EXPOSURE 'B' WIND VELOCITY TYPICALLY.
3. WIND TUNNEL TEST DATA FOR THESE CONNECTIONS AND ASSEMBLIES HAS BEEN COMPILED BY TEXAS A&M UNIVERSITY, COLLEGE STATION, TX, AND IS AVAILABLE THROUGH HELIOLCOL, INC.
4. ALL CONNECTIONS ARE FOR TILT ANGLES 0° TO 30° MAX.
5. 2'x2'x1/8' ANGLE IS MANUFACTURED FROM 6063T5 ALUMINUM TYP.



Section B - Rear Elevation

SCALE NONE



Section A - Vertical Frames West Elev.

SCALE NONE

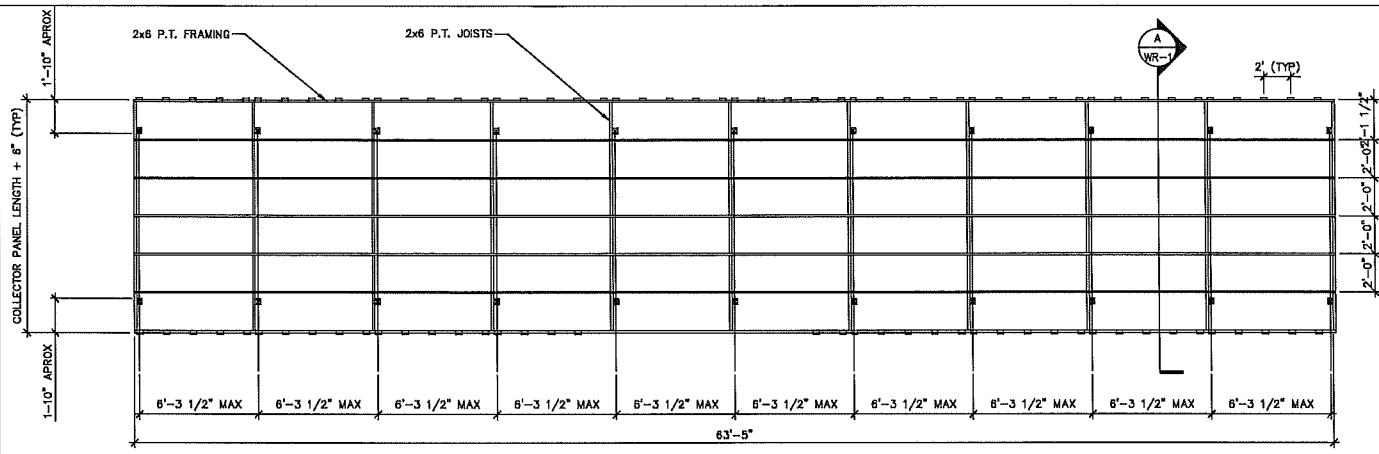
HELIOLCOL® COLLECTORS ALUMN. SUPPORT FRAME
NAME:
ADDRESS:

RC ENGINEERING, LLC.
 COA 28345
 2381 CREST RIDGE COURT
 SANFORD, FL 32771
 TEL: 407-474-5983 FAX: 407-588-5888
 BRANCOATEDES, F. CASTILLO - FLA. P.E. 5250

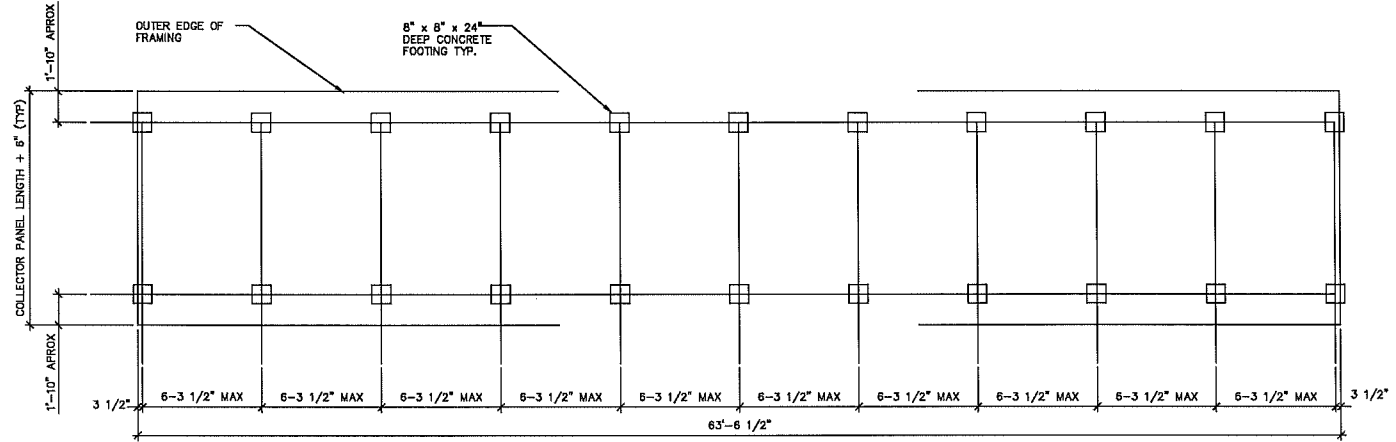
PROJECT #:
 DESIGNED: REC 02/04/04
 SCALE: NOTED



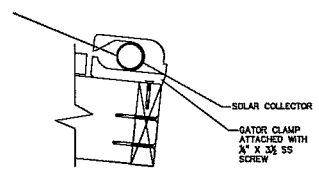
DRAWING NO.
AR-2
 SHEET 1 OF 1



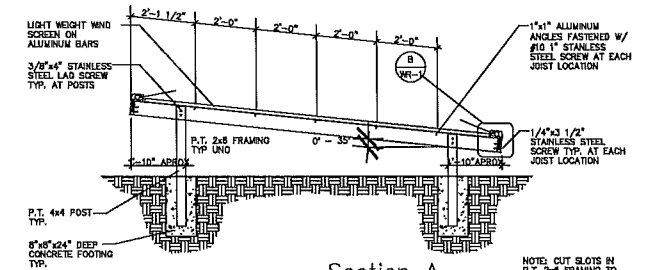
FRAMING PLAN (SCALE: NTS)



FOOTING PLAN (SCALE: NTS)



Detail B
SCALE: 1-1/2" = 1'-0"



Section A
SCALE: 1/4" = 1'-0"

GENERAL NOTES:

1. THESE PLANS ARE IN COMPLIANCE WITH THE 2007 FLORIDA BUILDING CODE, WITH 2008 AMENDMENT, SECTION R301.2.1.1 FOR WIND EXPOSURE CATEGORY "C", CHAPTER 16 FOR 110 MPH EXPOSURE "C" WIND VELOCITY AND PER ASCE 7-05, CHAPTER 6.0 FOR 110 MPH EXPOSURE "C" WIND VELOCITY TYPICALLY. THESE PLANS REMAIN IN EFFECT UNTIL FUTURE CODE REVISIONS DICTATE THAT AN UPDATE IS NECESSARY.
2. PANEL CONNECTIONS SHOWN HAVE BEEN DESIGNED TO RESIST WIND LOADS OUTLINED IN THE 2004 BUILDING CODE, .
3. LAG BOLT CAPACITIES AND EMBEDMENTS ARE BASED UPON "NATIONAL DESIGN SPECIFICATION FOR STRESS GRADE LUMBER AND FASTENINGS" AS PUBLISHED BY THE NATIONAL FOREST PRODUCTS ASSOCIATION.
4. WIND TUNNEL TEST DATA FOR GATOR CLAMP CONNECTIONS HAS BEEN COMPILED BY TEXAS A&M UNIVERSITY, COLLEGE STATION, TX. AND IS AVAILABLE THROUGH HELICOL, INC.
5. ALL INSTALLATIONS ARE FOR TABLE INCLINATIONS OF 0° TO 35° MAX CONDITIONS.
6. ALL CONCRETE SHALL HAVE A MINIMUM SPECIFIED COMPRESSIVE STRENGTH OF 2500 P.S.I. AT 28 DAYS FOR SLAB AND FOOTINGS.
7. SOIL BEARING CAPACITY = 2000 PSF (MIN.)
8. ALL WOOD STRUCTURAL MEMBERS SHALL BE CONTROLLED STRESS GRADE LUMBER HAVING A FIBER STRESS IN ACCORDANCE WITH NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION.
9. ALL LUMBER SHALL BE #2 SYP TYP. U.N.O.
10. ALL DETAILS AND SECTIONS SHOWN ON THE DRAWING ARE INTENDED TO BE TYPICAL, AND SHALL BE CONSTRUED TO APPLY TO ANY SIMILAR SITUATION ELSEWHERE ON THE PROJECT, EXCEPT WHERE A DIFFERENT DETAIL IS SHOWN.

HELICOL® COLLECTOR WOOD RACK

NAME:
ADDRESS:

RC ENGINEERING, LLC.
COA 28345

2881 CREST RIDGE COURT
SANFORD, FL 32771
TEL: 407-494-9881 FAX: 407-688-8988
BENJAMIN E. CASTILLO - P.E. PE 52590

PROJECT #:
DESIGNED: REC 072009
SCALE: NOTED



DRAWING NO.
WR-1
SHEET 1 OF 1