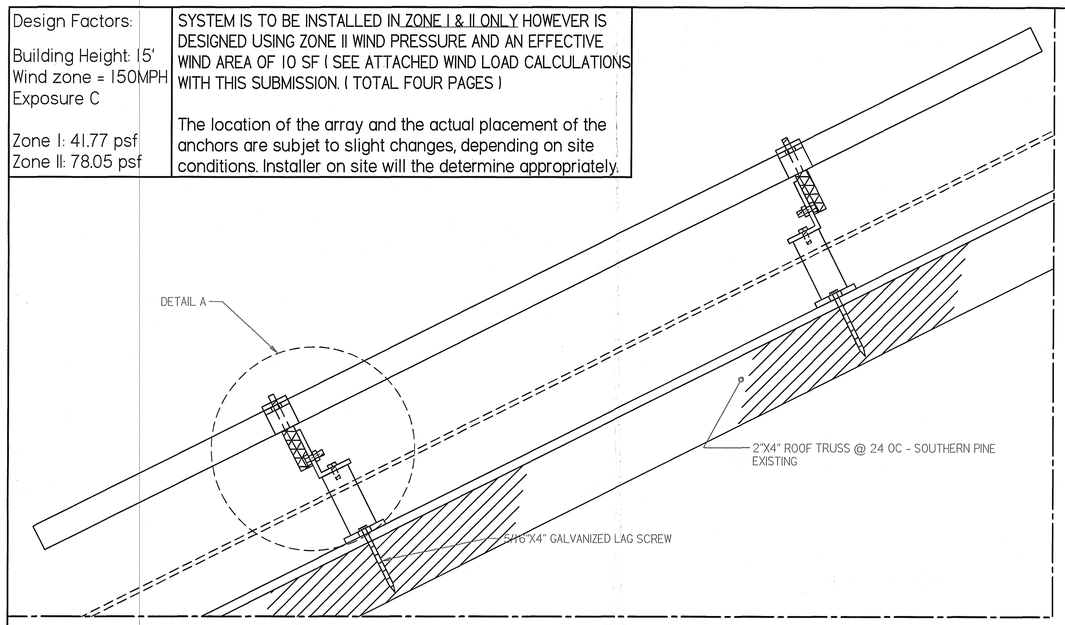
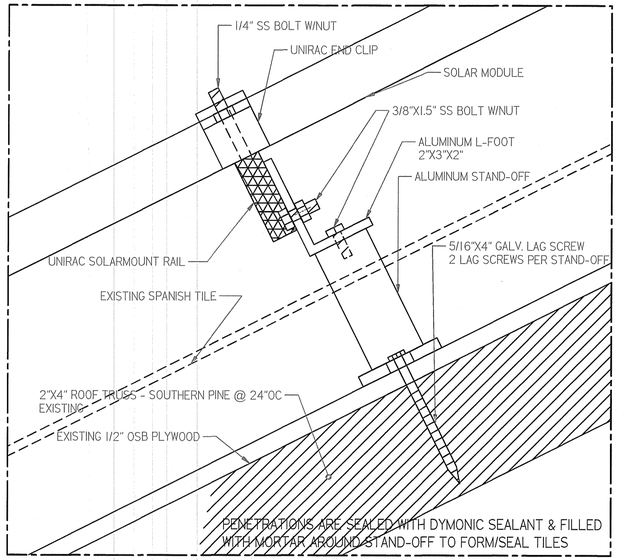
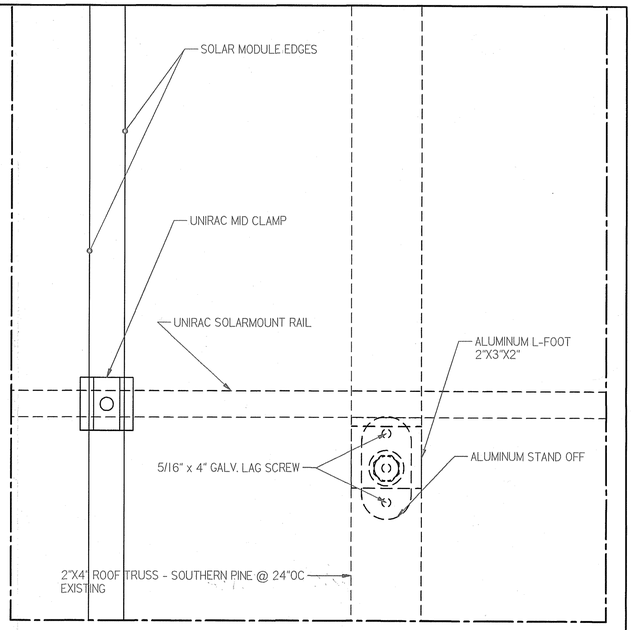
Design Factors:	SYSTEM IS TO BE INSTALLED IN ZONE I & II ONLY HOWEVER IS DESIGNED USING ZONE II WIND PRESSURE AND AN EFFECTIVE WIND AREA OF 10 SF (SEE ATTACHED WIND LOAD CALCULATIONS WITH THIS SUBMISSION. (TOTAL FOUR PAGES)
Building Height: 15' Wind zone = 150MPH Exposure C Zone I: 41.77 psf Zone II: 78.05 psf	The location of the array and the actual placement of the anchors are subjet to slight changes, depending on site conditions. Installer on site will the determine appropriately.



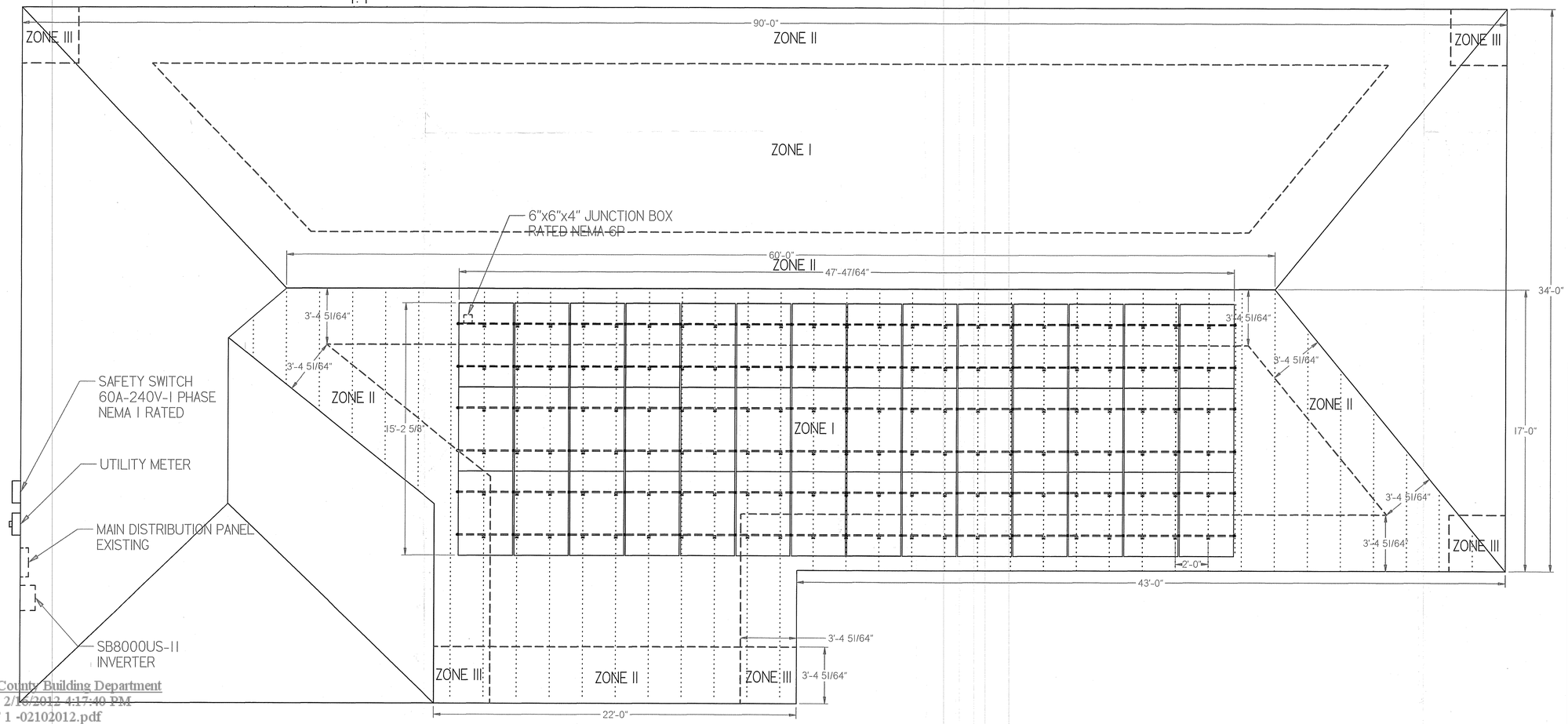
SOLAR MODULE ATTACHMENT - SIDE VIEW
1:4



DETAIL A- ATTACHMENTS - SIDE VIEW
1:2



DETAIL B - ATTACHMENTS - TOP VIEW
1:2



MANCUSO - PHOTOVOLTAIC SYSTEM LAYOUT - TOP DOWN VIEW
1:40

MODULE: ET SOLAR #ET-P660230
MODULE DIMENSIONS: 39.06" X 64.57"
SYTEM TOTALS: 42 MODULES AT 9.66 KW

AREA OF ROOF WHERE SOLAR SYSTEM IS TO BE INSTALLED IS APPROXIMATELY 1,250 FT^2

AREA OF THE SOLAR ARRAY IS APPROXIMATELY 715 FT^2

ROOF PERIMETER WIDTH: 3.4 FT (**FOR HIP ROOFS WITH ANGLES LESS THAN 25DEG SHALL BE TREATED AS ZONE III PER ASCE 7**)
ROOF SLOPE: 5/12
ROOF MEAN HEIGHT: 15 FT

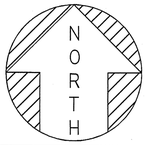
NOTE:

ANCHOR POINTS ARE SPACED A MAXIMUM OF 24 INCHES APART EAST TO WEST

SYSTEM IS INSTALLED IN ZONE I & II ONLY

--ENTIRE SYSTEM DESIGNED FOR ZONE II --

SEE ATTACHED PERMIT PACKAGE FOR WINDLOAD SPECIFICATIONS AND CALCULATIONS.



SOLAR DIRECT

SOLAR ELECTRIC SYSTEM
MANCUSO RESIDENCE
GRID INTERACTIVE PHOTOVOLTAIC SYSTEM
5200 SW 59TH AVENUE
MIAMI, FL 33155

	NAME	DATE
DRAWN	ADAM DIEHL	02/01/12
ENG APPR	KIRK MAUST	
PE APPR	DAVID STEVENS	

STEVENS & ASSOCIATES, LLC.
8380 GLENFANNA CIRCLE
FORT MYERS, FL 33912
TELEPHONE (239) 671-9210

SIZE	DWG NO	REV	SHEET:
D	1.0	2.0	1 OF 1

FILE NAME: MANCUSO - Rework - v2.dft

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN FT-IN
SCALE 1/4" = 1'0"

DAVID R. STEVENS, P.E.
FLORIDA PE 34684
DATE 2/7/12

Miami Dade County Building Department
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SHEET 1 OF 1 -02102012.pdf

Examiner	Date Time Stamp	Disp.	Trade	Stamp Name
Jeanne Clarke	2/16/2012 3:35:53 PM	A	STRU	Approved