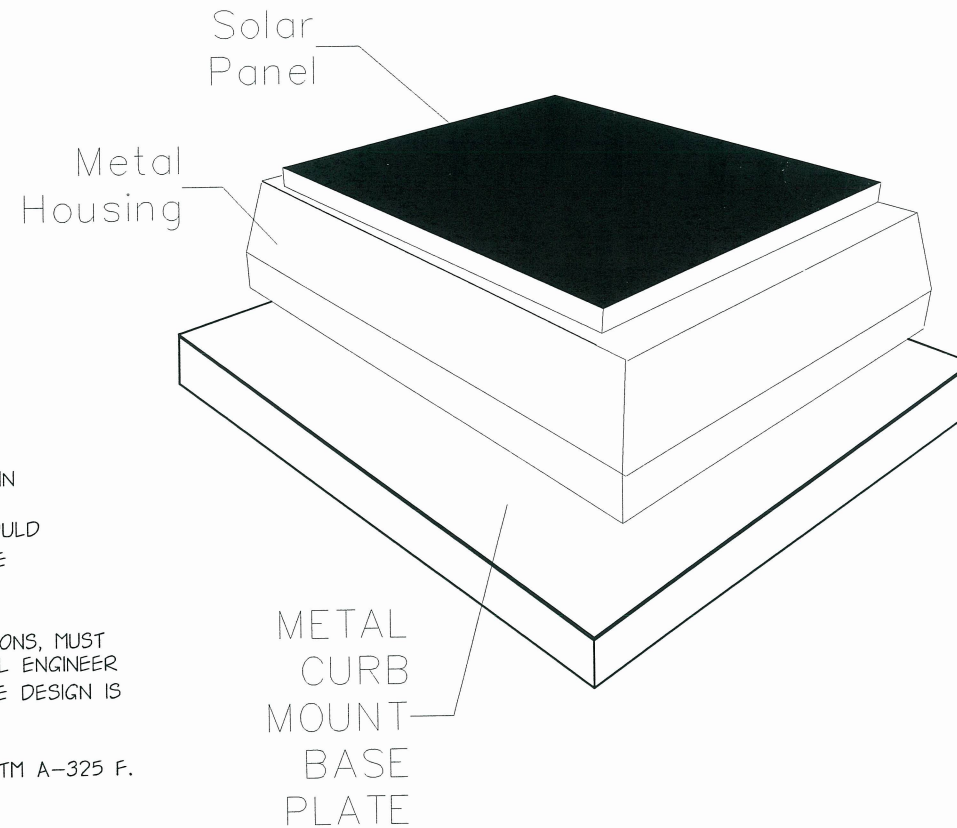


CURB TYPE ROOF MOUNTING for: INTELLIBREEZE SOLAR ATTIC FAN



Notes

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE 2010 FLORIDA BUILDING CODE, BUILDING VOLUME AND ASCE 7 - 2010 MINIMUM DESIGN LOADS ON BUILDINGS AND OTHER STRUCTURES.
2. IF, IN THE CONTRACTORS OPINION, ANY WORK THAT IS INDICATED IN THE DRAWINGS, OR SPECIFIED IN SUCH A MANNER WILL MAKE IT IMPOSSIBLE TO PRODUCE A FIRST CLASS PIECE OF WORK, OR SHOULD DISCREPANCIES APPEAR IN DIMENSIONS OR DETAILS THEY SHALL BE SUBMITTED TO OWNER BEFORE PROCEEDING WITH WORK.
3. ANY CHANGE FROM THE DRAWINGS AND / OR FIELD CHANGE CONDITIONS, MUST BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE STRUCTURAL ENGINEER SO THAT NECESSARY CHANGES CAN BE MADE AND INTENT OF THE DESIGN IS CARRIED OUT TO ITS FULLEST EXTENT.
4. ALL ANCHOR/CONNECTION BOLTS SHALL BE IN ACCORDANCE WITH ASTM A-325 F.
5. MINIMUM DESIGN LOADS : DEAD LOADS AND LIVE LOADS IN ACCORDANCE WITH THE 2010 FLORIDA BUILDING CODES, CHAPTER 16.

ALUMINUM SPECIFICATIONS

ALL ALUMINUM STRUCTURAL SUPPORT MEMBERS FOR ROOF FAN TO BE 5052-H32 ALUMINUM

ANGLE BRACKET TO BE 1/16" MINIMUM THICKNESS
SUPPORT MEMBER TO BE 3003 -T5 FLAT PLATE

ALL ALUMINUM MEMBERS TO BE FINISHED WITH CORROSION RESISTIVE COATING

THIS SOLAR ATTIC FAN IS AN ENGINEERED COMPONENT DESIGNED TO BE INSTALLED EITHER FLAT OR ON SLOPED ROOF.

ALL FASTENERS SHALL BE CORROSION RESISTANT, GRADE 304 OR 316 STAINLESS STEEL OR ZINC OR POWDER COATED FASTENERS. UNPROTECTED STEEL FASTENERS SHALL NOT BE USED.

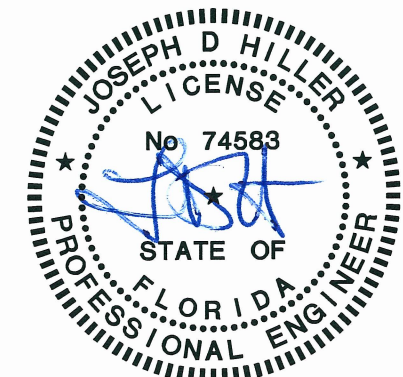
ANY STRUCTURE WITHIN 1500 FEET OF A SALT WATER AREA (BAY OR OCEAN), SHALL HAVE FASTENERS THAT ARE MADE OF NON-MAGNETIC STAINLESS STEEL GRADE 304 OR 316. 410 GRADE STAINLESS HAS NOT BEEN APPROVED FOR USE WITH ALUMINUM MEMBERS BY THE ALUMINUM ASSOCIATION AND SHALL NOT BE USED.

THE ROOF VENT SHALL NOT BE INSTALLED DIRECTLY TO ROOFS WITH CONCRETE OR CLAY TILE ROOFS, OR ROOF SLOPES STEEPER THAN 8:12.

CORROSION RESISTANCE OF FAN HOUSING AND FAN BASE SHALL COMPLY WITH SECTION 1507.4.3 AND 1506.6 OF THE FLORIDA BUILDING CODE.

INSTALLER RESPONSIBILITIES

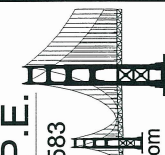
1. OWNER OR CONTRACTOR SHALL VERIFY THAT THE HOST STRUCTURE AND ALL STRUCTURAL SUPPORT MEMBERS ARE OF SUFFICIENT STRENGTH TO SUPPORT THE SOLAR ROOF FAN UNDER THE PRESCRIBED LOADING CONDITIONS AND ALL APPLICABLE CODES.
2. INSTALLER IS RESPONSIBLE FOR WATERPROOFING/ CAULKING WITH EXTERIOR GRADE SEALANT AT ALL MOUNTING HOLES AND ROOF PENETRATIONS.
3. CONTRACTOR/INSTALLER SHALL USE APPROPRIATE DESIGN LOADS FOR THE SPECIFIC LOCATION.



REVISIONS

DATE:

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**INTELLIBREEZE
SOLAR ATTIC FAN
CURB TYPE ROOF MOUNT**

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DATE: 4/22/2014

SCALE: AS NOTED

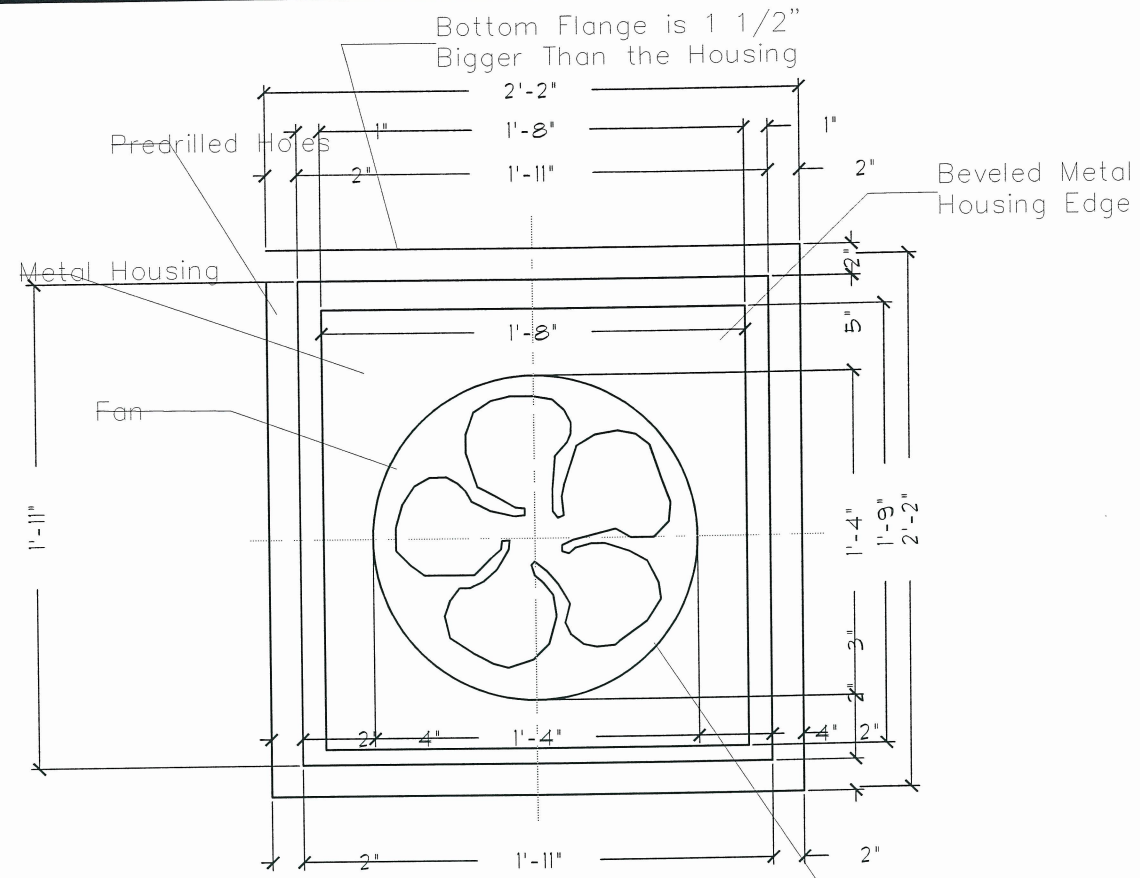
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JOB NO.:

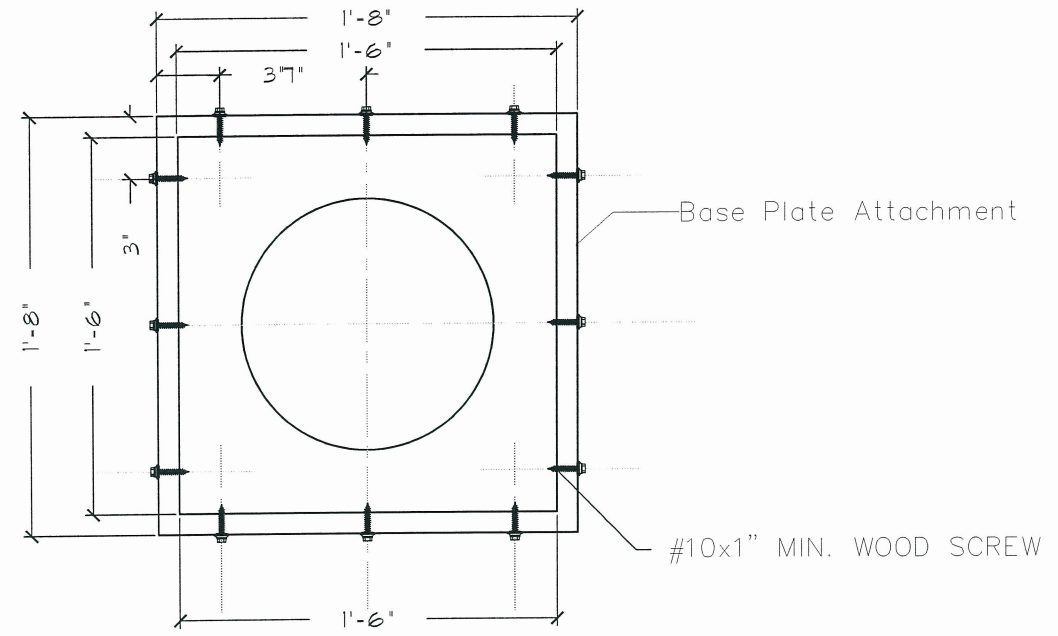
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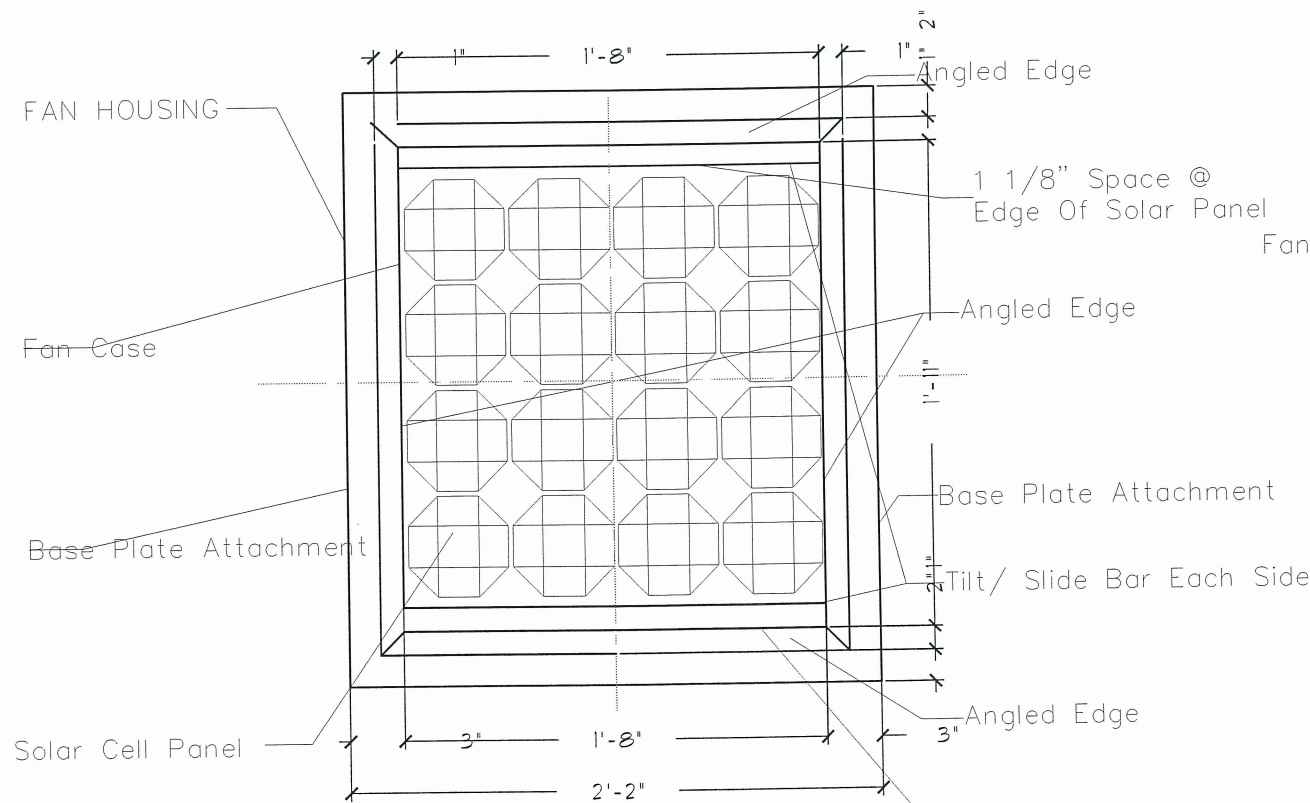
1 of 6



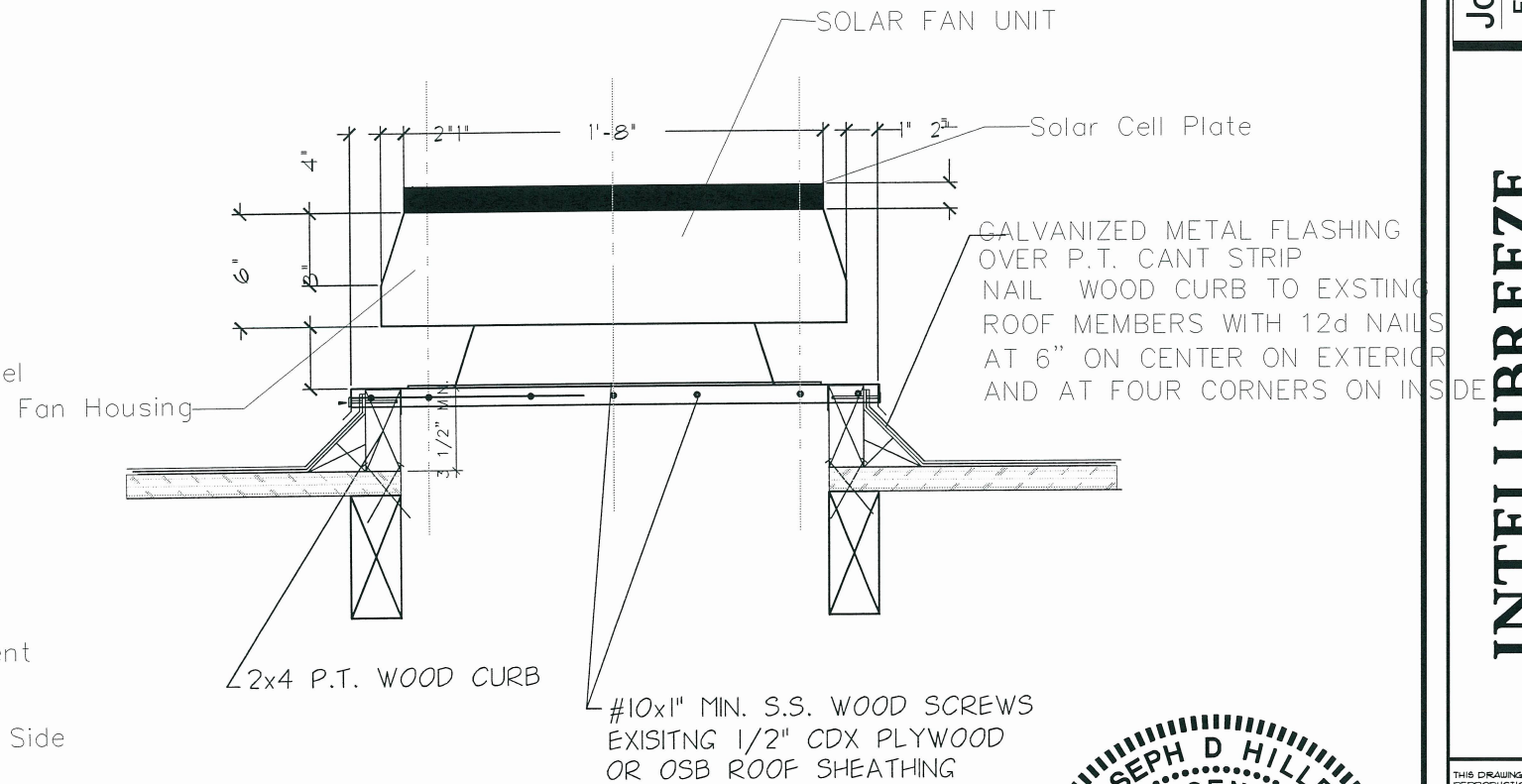
Bottom View Plan



FAN MOUNTING PLAN

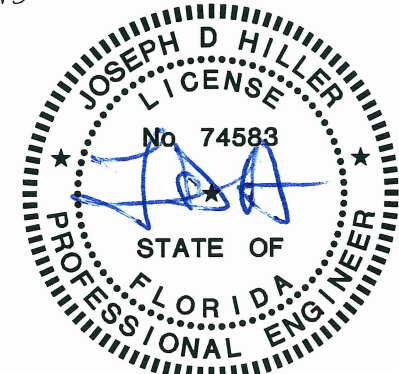


Top View Plan



Side View Plan

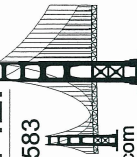
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SOLAR ATTIC FAN



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CURB TYPE ROOF MOUNT

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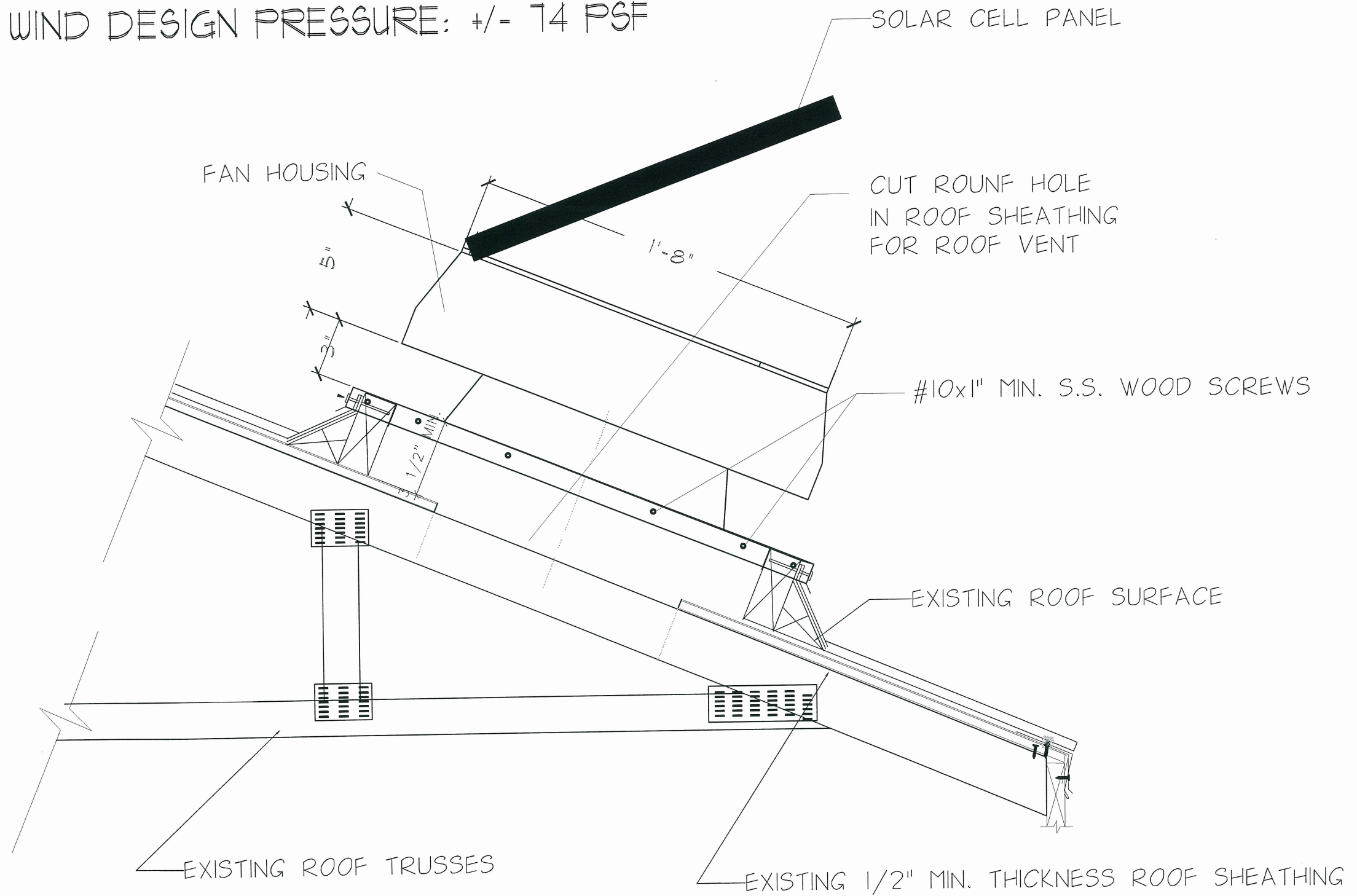
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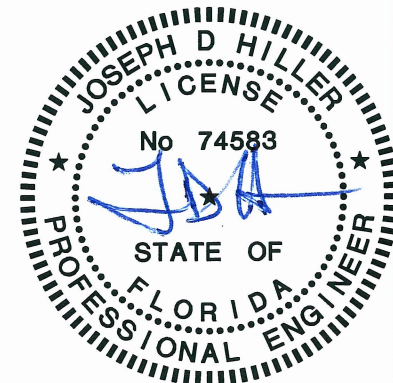
2 OF 6

MAXIMUM WIND DESIGN PRESSURE: +/- 74 PSF



ROOF SURFACE MATERIAL MAY BE ASPHALT SHINGLES, METAL ROOFING, OR ROLLED ROOFING OVER 1/2" MIN. THICK ROOF SHEATHING WITH ROOF SLOPES FROM 2/12 SLOPE TO 8/12 SLOPES.

TRUSSES SHOWN PARALLEL TO FAN MOUNT
CURBED MOUNT - SLOPED ROOF



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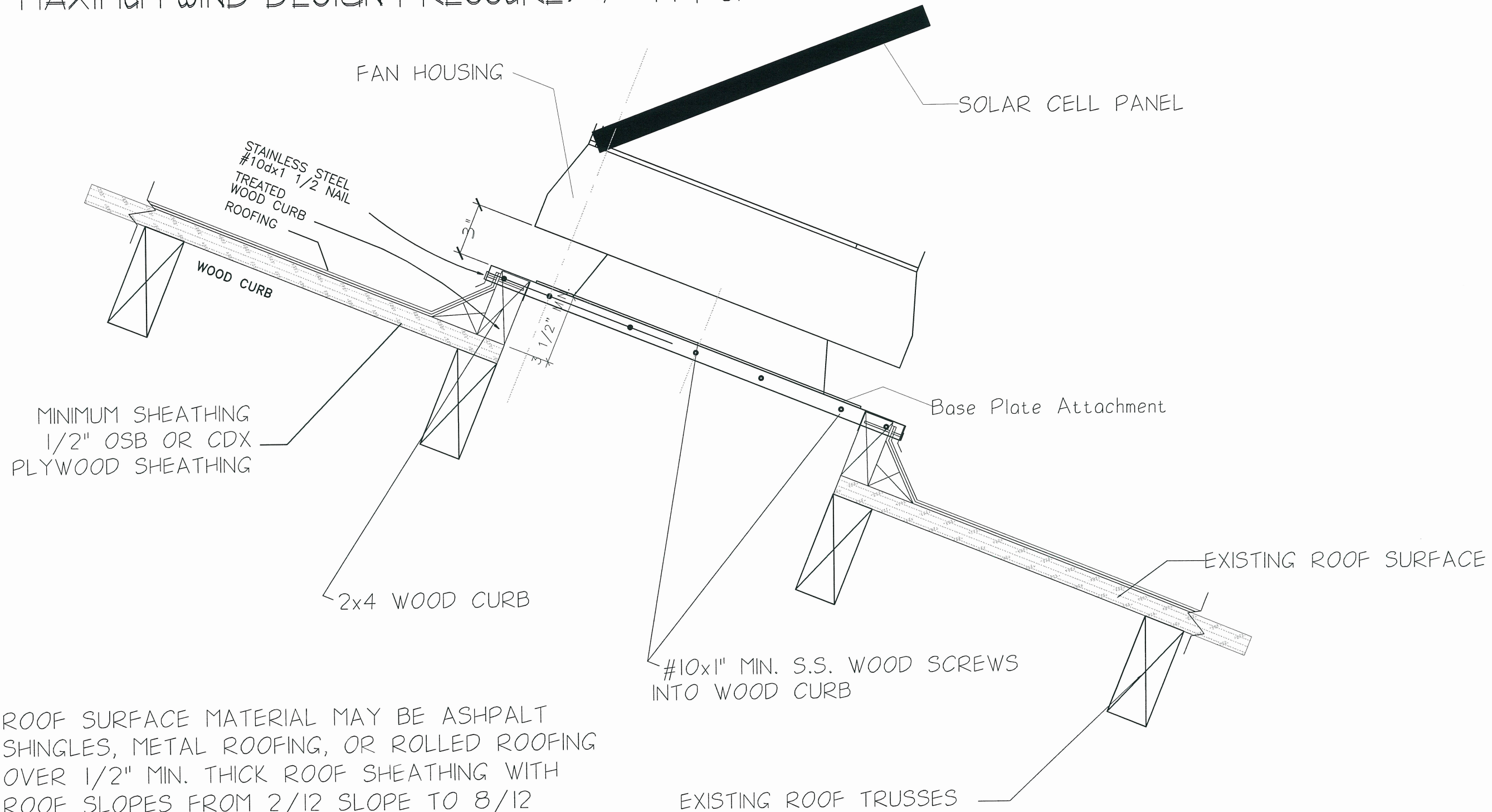
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SOLAR ATTIC FAN
CURB TYPE ROOF MOUNT

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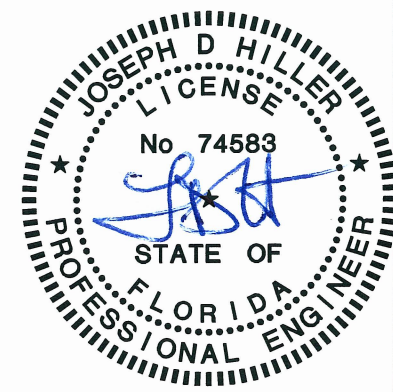
SHEET
A-2
 3 of 6

MAXIMUM WIND DESIGN PRESSURE: +/- 74 PSF



ROOF SURFACE MATERIAL MAY BE ASPHALT SHINGLES, METAL ROOFING, OR ROLLED ROOFING OVER 1/2" MIN. THICK ROOF SHEATHING WITH ROOF SLOPES FROM 2/12 SLOPE TO 8/12 SLOPES.

TRUSSES SHOWN PERPENDICULAR TO FAN MOUNT
CURBED MOUNT - SLOPED ROOF



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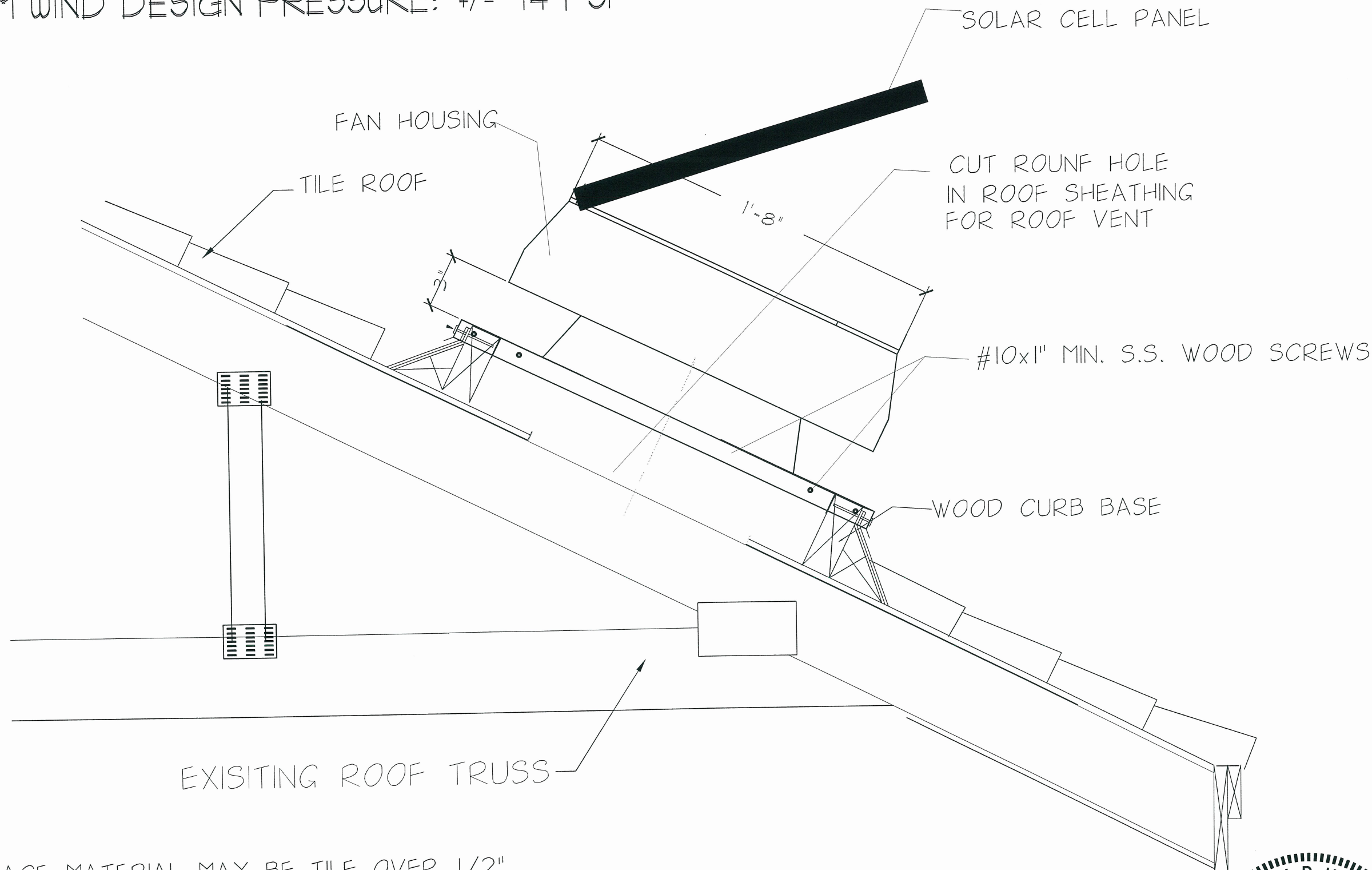
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 SOLAR ATTIC FAN
 CURB TYPE ROOF MOUNT**

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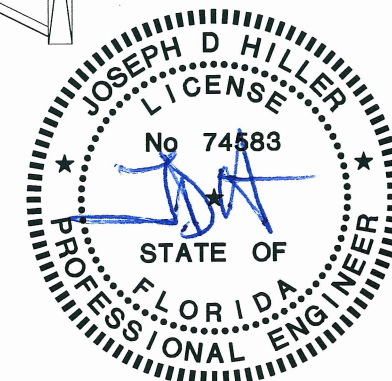
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MAXIMUM WIND DESIGN PRESSURE: +/- 74 PSF



ROOF SURFACE MATERIAL MAY BE TILE OVER 1/2" MIN. THICK ROOF SHEATHING. MOUNTING FOR SLOPED ROOFS.

TRUSSES SHOWN PARALLEL TO FAN MOUNT
CURBED MOUNT - TILED ROOF



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SHEET
A-4
5 OF 6

MAXIMUM WIND DESIGN PRESSURE: +/- 74 PSF

STAINLESS STEEL
#10 x1" SCREWS

SOLAR FAN UNIT

TREATED
WOOD CURB

GALVANIZED METAL FLASHING
OVER P.T. CANT STRIP

ROOFING

WOOD CURB

1/2" OSB OR CDX
PLYWOOD SHEATHING

2x4 WOOD CURB

NAIL WOOD CURB TO EXSTING
ROOF MEMBERS WITH 12d NAILS
AT 6" ON CENTER ON EXTERIOR
AND AT FOUR CORNERS ON INSIDE

#10x1" MIN. S.S. WOOD SCREWS
EXISTING 1/2" CDX PLYWOOD
OR OSB ROOF SHEATHING

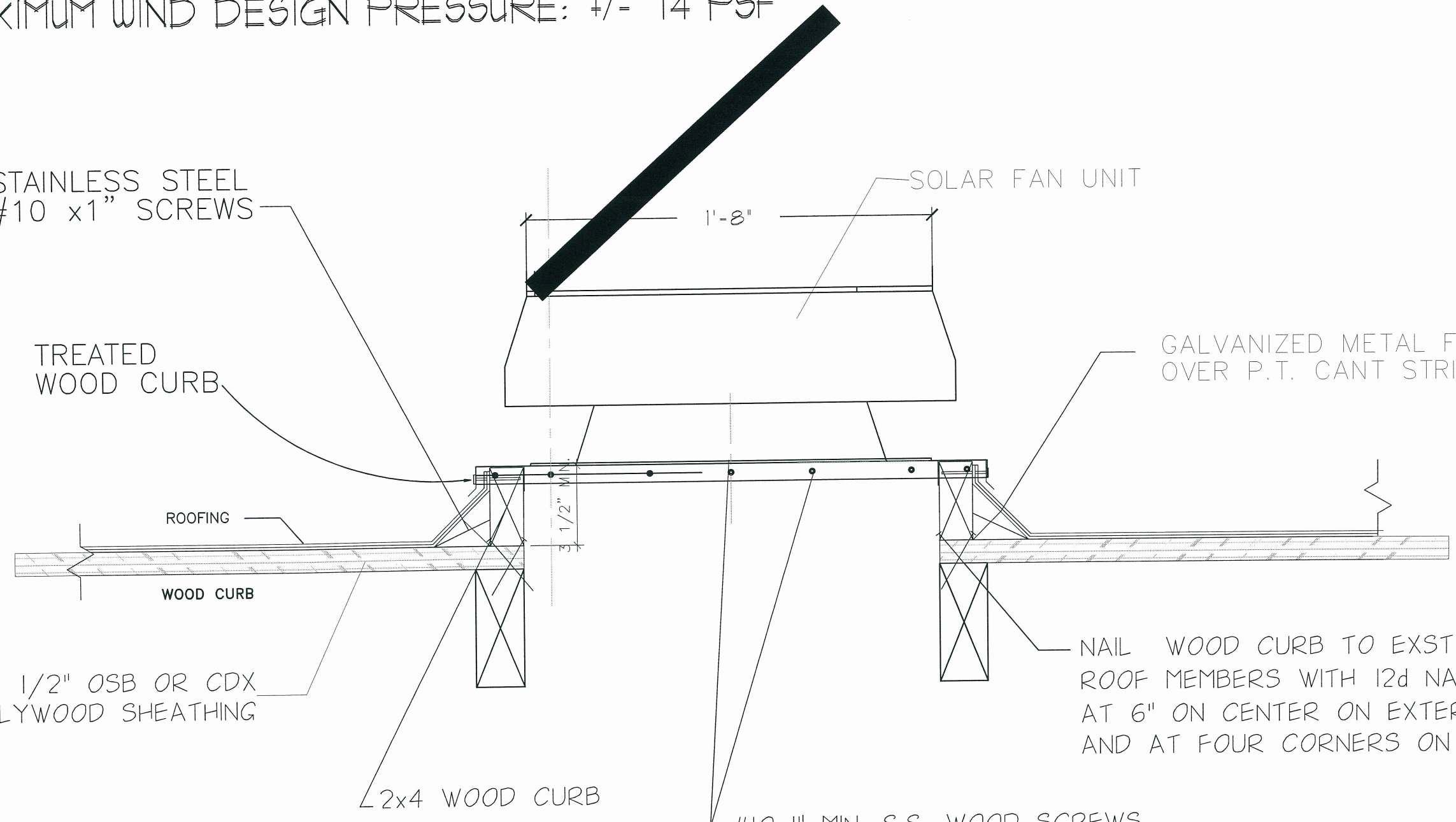
MAXIMUM ALLOWABLE SHEAR LOAD
FOR #10x1" LONG FASTENER INTO
1/2" 4 PLYWOOD ROOF SHEATHING: 93 LBS

MAXIMUM ALLOWABLE TENSILE /WITHDRAWAL
LOAD FOR #10x1" LONG FASTENER INTO
7/16" OSB OR 1/2" CDX PLYWOOD ROOF SHEATHING
54 LBS

MINIMUM REQUIRED ANCHORING: 12- #10-15 x1" FASTENERS

MAXIMUM DESIGN WIND PRESSURE WITH MAXIMUM 12- #10x1"
FASTENERS IS +/- 74 PSF.

CURBED MOUNT DETAIL



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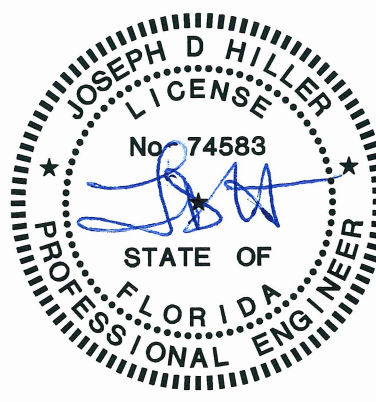
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SOLAR ATTIC FAN
CURB TYPE ROOF MOUNT

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A-5
6 of 6