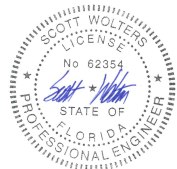
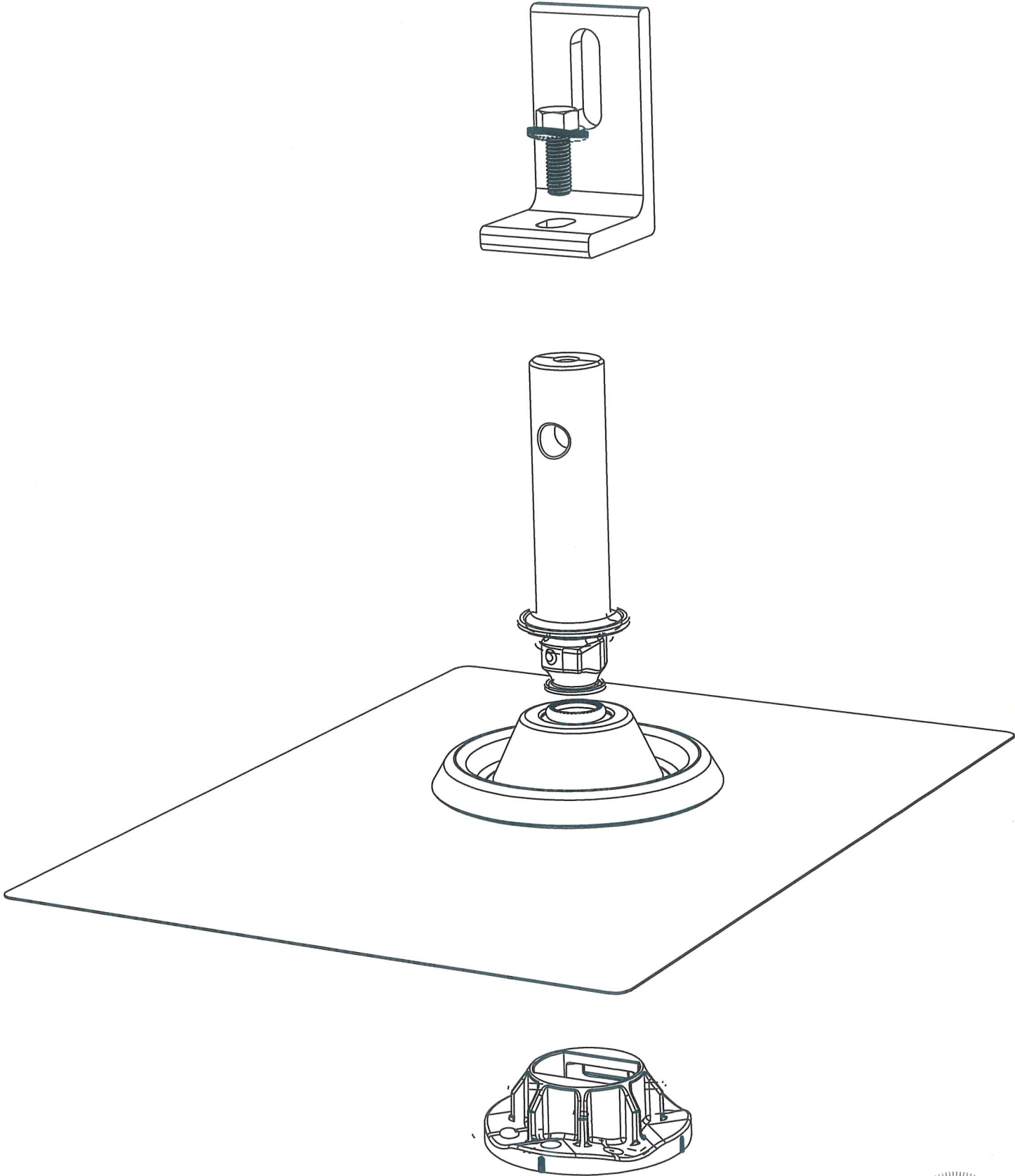


K2 DROP N LOCK SOLAR MOUNT BRACKET

WITH 4 1/2" OR 6" POSTS, RAFTER OR DECK MOUNTED

GENERAL NOTES:

- 1. THIS SYSTEM MEETS ALL OF THE REQUIREMENTS OF THE 8TH EDITION (2023) FLORIDA BUILDING CODE, INCLUDING THE HVHZ PROVISIONS.
- 2. THIS SYSTEM HAS BEEN TESTED PER TAS 100(A) AND ASTM D7147. IT IS NOT A PART OF THE BUILDING ENVELOPE, AND IMPACT RESISTANCE IS NOT REQUIRED.
- 3. THIS SYSTEM SHALL BE INSTALLED PER THIS APPROVAL AND THE MANUFACTURER'S INSTALLATION MANUAL.
- 4. THE DESIGN OF THE ROOF SUBSTRATE IS THE RESPONSIBILITY OF THE ENGINEER OF RECORD OR OTHER SPECIALTY ENGINEER, AND IS NOT A PART OF THIS APPROVAL. THE SUBSTRATE MUST SAFELY TRANSMIT THE LOADS APPLIED TO THIS SYSTEM TO THE BUILDING STRUCTURE.
- 5. FIRE RATINGS OR FIRE RESISTANCE IS NOT A PART OF THIS REVIEW.
- 6. THE L-FOOT ANGLE AND ITS ATTACHMENT TO THE K2 DROP N LOCK SOLAR MOUNT BRACKET ARE NOT A PART OF THIS APPROVAL.
- 7. ALL ANCHORS SECURING THE SYSTEM TO PRESSURE TREATED WOOD SHALL BE CAPABLE OF RESISTING CORROSION CAUSED BY THE CHEMICALS IN THE WOOD.
- 8. MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL BE PROTECTED PER FBC REQUIREMENTS.
- 9. NO INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE DESIGN OF THIS PRODUCT. Cd=1.6 WAS USED FOR WOOD SCREWS ONLY.

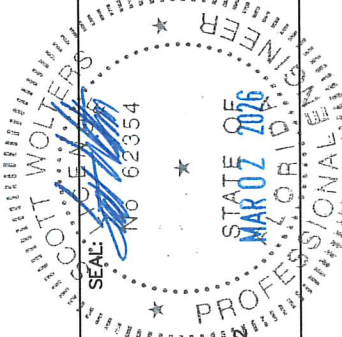


Digitally signed
by Scott Wolters
Date: 2026.03.02
17:25:32 -05'00'



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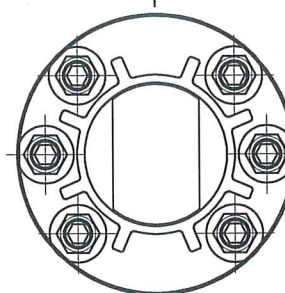
SCOTT WOLTERS
FL PE# 62354
WOLTERS ENGINEERING
(COA# 27194)
15211 97TH ROAD N
WEST PALM BEACH, FL 33412
(561) 225-1982



1ST SUBMITTAL	REV #	DATE
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6" POST WITH SIX 1/4" DIA. FASTENERS IN SHEATHING

1. ANCHOR CAPACITIES LISTED ARE PER ASTM D7147.
2. CAPACITIES SHOWN ARE BASED ON FASTENING TO THE 15/32" (min) PLYWOOD SHEATHING ONLY. THE SHEATHING AND ITS CONNECTION TO SUPPORTS/RAFTERS ARE NOT A PART OF THIS APPROVAL, AND MUST BE VERIFIED BY THE ENGINEER OF RECORD.
3. ROOFING VARIES. SEE SHEET 7 FOR APPROVED ROOFING TYPES AND FLASHING AND SEALING DETAILS.



TOP VIEW

F3 = 91 lb.
(Allowable Shear,
Perpendicular to
Deck Slope)

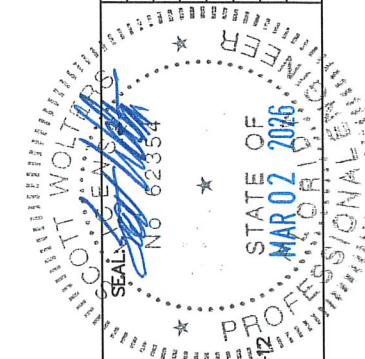
F2 = 66 lb.
(Allowable Shear,
Parallel to Deck Slope)

F1 = 426 lb.
(Allowable Pullout/Uplift)

F2 = 66 lb.
(Allowable Shear,
Parallel to Rafter)

—1/4"x3" SS WOOD SCREW
WITH SELF-SEALING WASHER.

—1/2" (15/32" min) 4-PLY
CDX PLYWOOD (min).



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DWG:
K2DNL-HZ

SHEET: 2/

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1ST SUBMITTAL	—	3/2/26
PRINTS ISSUED FOR	REV.#	DATE

K2 DROP N LOCK SOLAR MOUNT BRACKET

6" POST WITH TWO 1/4" DIA. FASTENERS IN RAFTER

ANCHOR NOTES:

- 1. ANCHOR CAPACITIES LISTED ARE PER ASTM D7147.
- 2. CAPACITIES APPLY TO RAFTER SIZE OF 2x4 OR GREATER, DECK THICKNESS OF 7/16" OR GREATER, AND LAG SCREWS SECURED WITHIN THE CENTER 1/3 OF RAFTER WITH 2 1/2" MIN. END DISTANCE.
- 3. ROOFING VARIES. SEE SHEET 7 FOR APPROVED ROOFING TYPES AND FLASHING AND SEALING DETAILS.

F2 = 107 lb.
(Allowable Shear,
Parallel to Rafter)

F1 = 729 lb.
(Allowable Pullout/Uplift)

F2 = 107 lb.
(Allowable Shear,
Parallel to Rafter)

F3 = 69 lb.
(Allowable Shear,
Perpendicular to
Rafter)

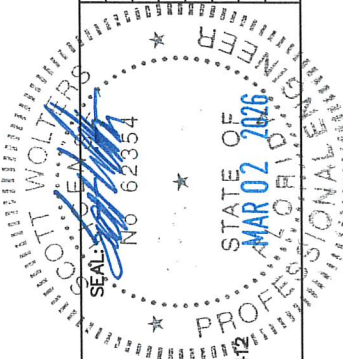
TOP VIEW

1/4"x3" SS WOOD SCREW
WITH SELF-SEALING WASHER.

EXISTING ROOFING
(BY OTHERS).

WOOD RAFTER
(2x, SG=0.55 min)

SIDE VIEW



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DWG: K2DNL-HZ
SHEET: 3/7

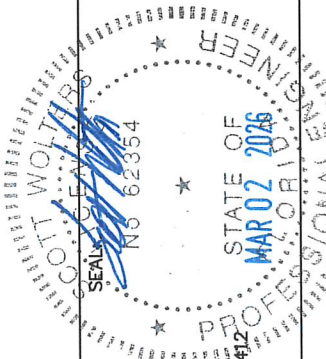
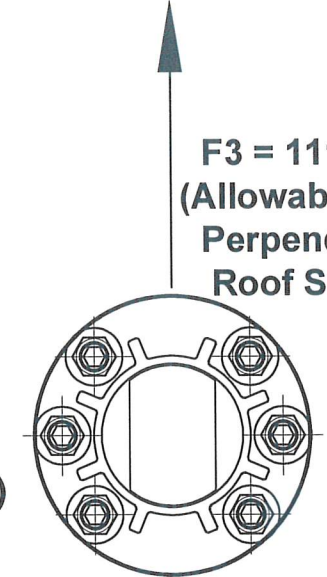
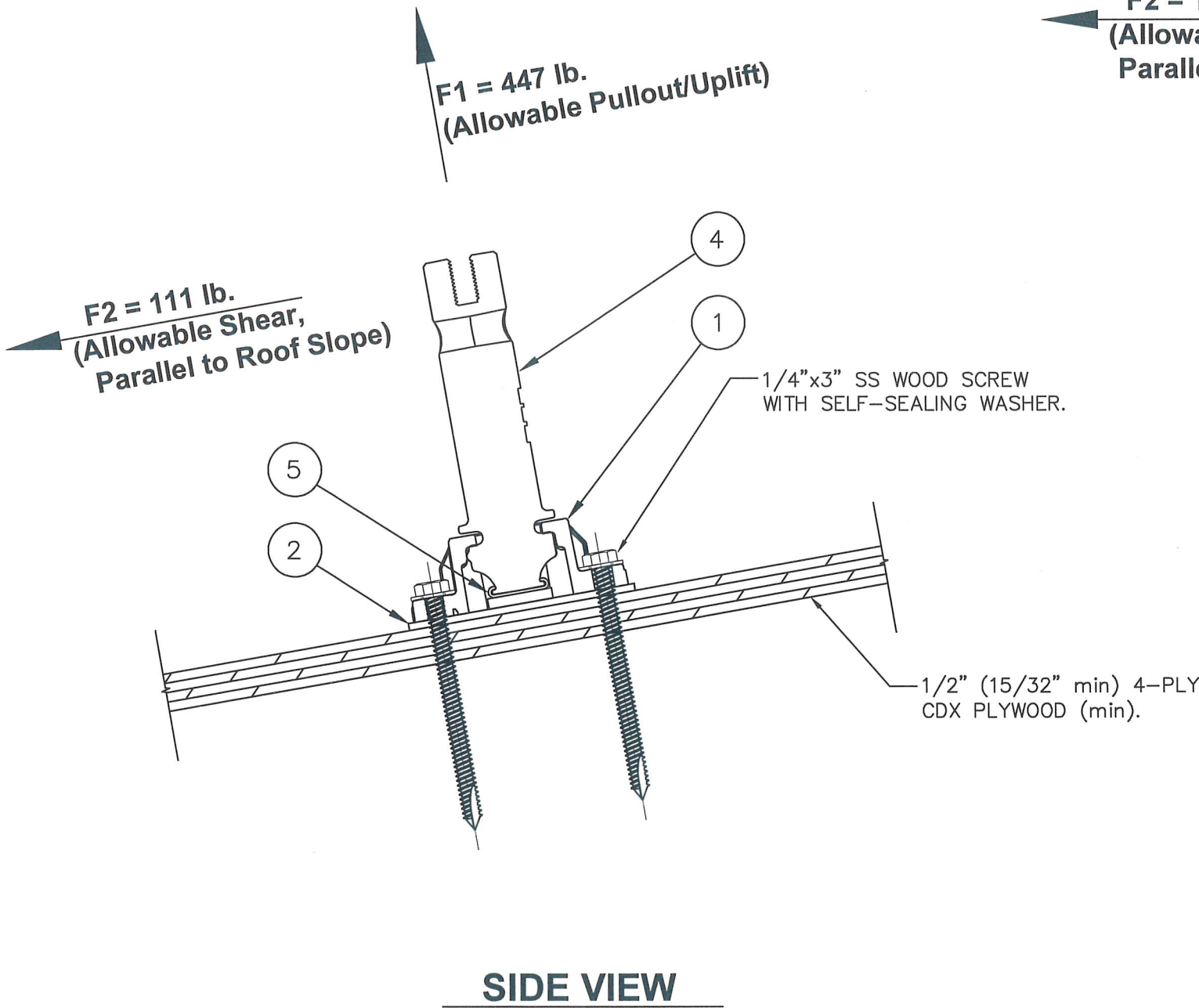
REV#	DATE	PRINTS ISSUED FOR
1	3/2/26	1ST SUBMITTAL

K2 DROP N LOCK SOLAR MOUNT BRACKET

4 1/2" POST WITH SIX 1/4" DIA. FASTENERS IN SHEATHING

ANCHOR NOTES:

- 1. ANCHOR CAPACITIES LISTED ARE PER ASTM D7147.
- 2. CAPACITIES SHOWN ARE BASED ON FASTENING TO THE 15/32" (min) PLYWOOD SHEATHING ONLY. THE SHEATHING AND ITS CONNECTION TO SUPPORTS/RAFTERS ARE NOT A PART OF THIS APPROVAL, AND MUST BE VERIFIED BY THE ENGINEER OF RECORD.
- 3. ROOFING VARIES. SEE SHEET 7 FOR APPROVED ROOFING TYPES AND FLASHING AND SEALING DETAILS.



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DWG: K2DNL-HZ
SHEET: 4/7

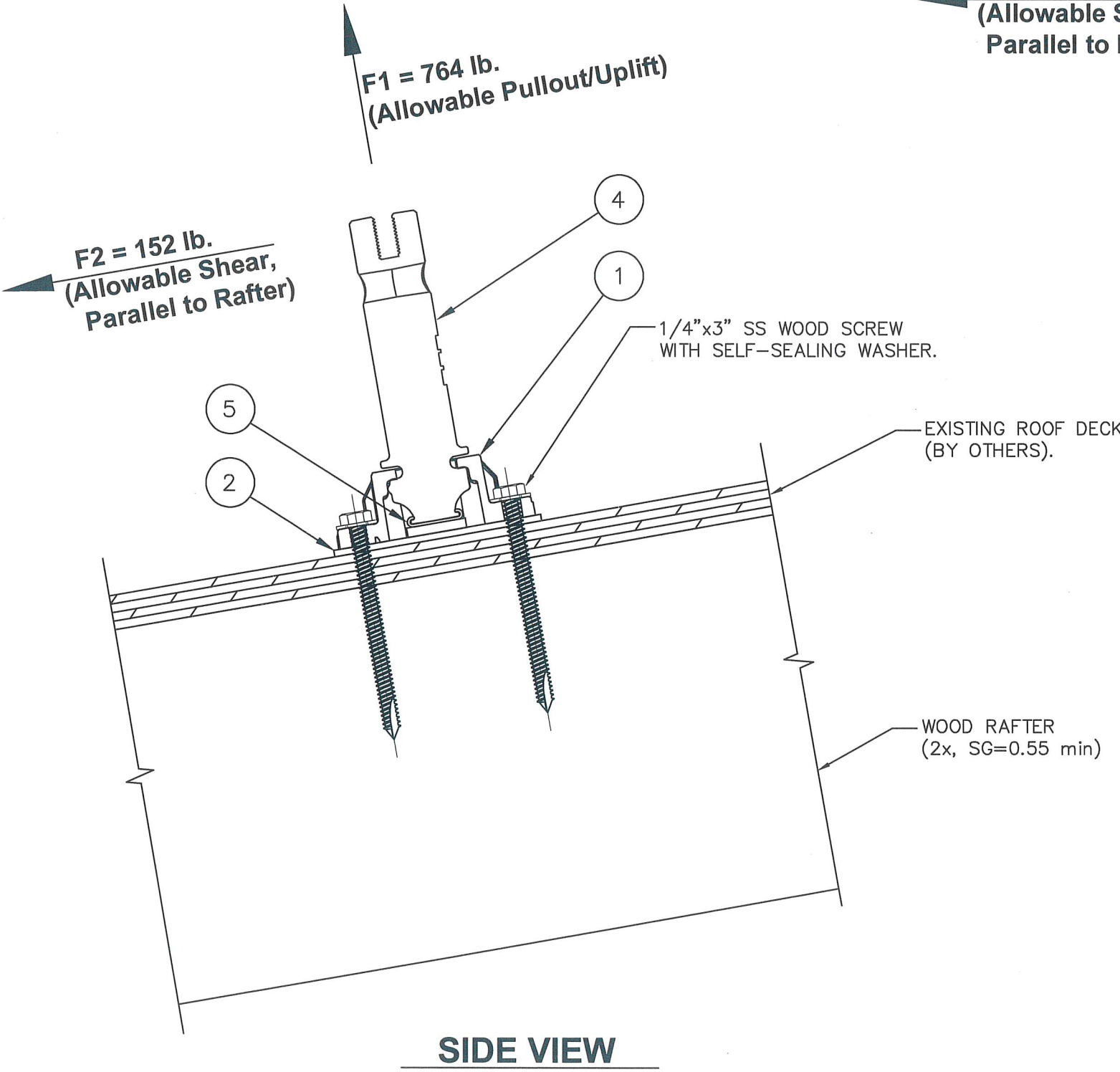
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K2 DROP N LOCK SOLAR MOUNT BRACKET

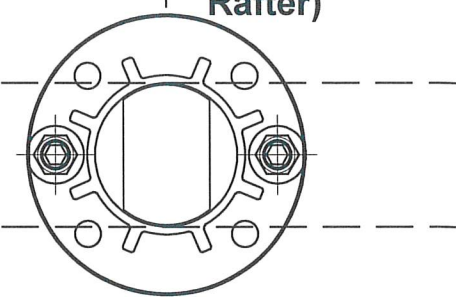
4 1/2" POST WITH TWO 1/4" DIA. FASTENERS IN RAFTER

ANCHOR NOTES:

- 1. ANCHOR CAPACITIES LISTED ARE PER ASTM D7147.
- 2. CAPACITIES APPLY TO RAFTER SIZE OF 2x4 OR GREATER, DECK THICKNESS OF 7/16" OR GREATER, AND LAG SCREWS SECURED WITHIN THE CENTER 1/3 OF RAFTER WITH 2 1/2" MIN. END DISTANCE.
- 3. ROOFING VARIES. SEE SHEET 7 FOR APPROVED ROOFING TYPES AND FLASHING AND SEALING DETAILS.



TOP VIEW



DATE	3/2/26
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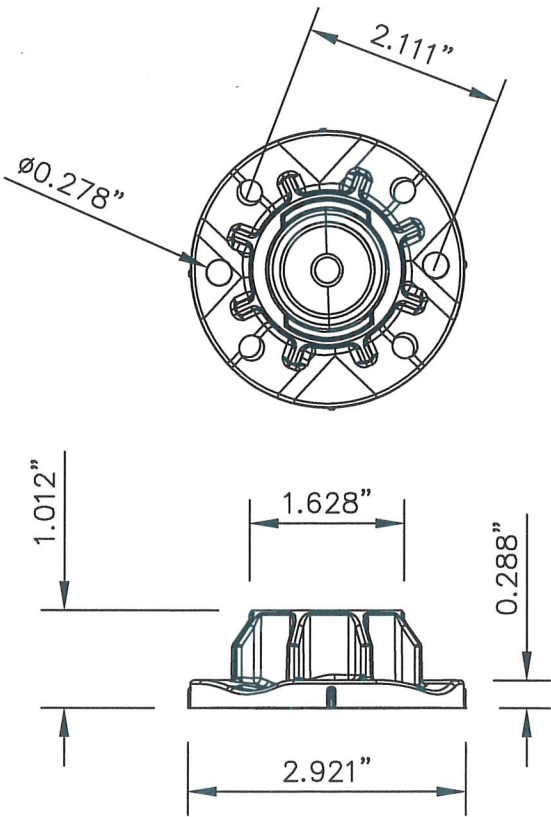
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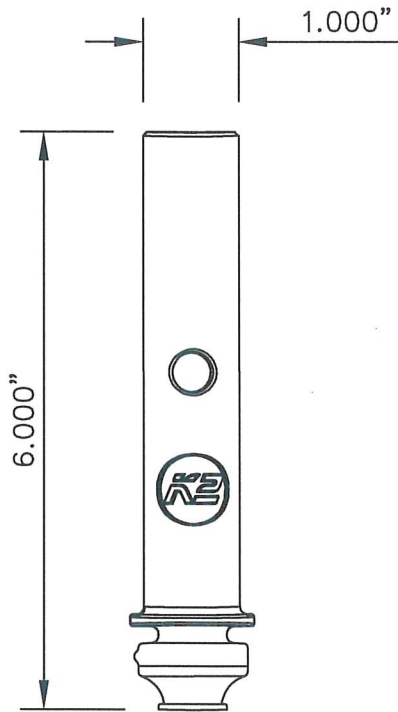
DWG: K2DNL-HZ
SHEET: 5/7

K2 DROP N LOCK SOLAR MOUNT BRACKET

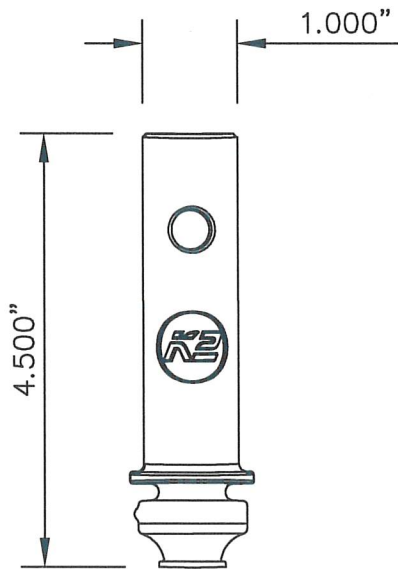
BILL OF MATERIALS			
ITEM NO	DESCRIPTION	MATERIAL	NOTES
1	K2 DROP N LOCK UNIVERSAL BASE	AL380 CAST ALUMINUM	
2	K2 DROP N LOCK BASE GASKET	BUTYL	
3	K2 DROP N LOCK 6" POST	AL380 CAST ALUMINUM	
4	K2 DROP N LOCK 4 1/2" POST	AL380 CAST ALUMINUM	
5	K2 DROP N LOCK POST CAP	EPDM	
6	FLEXIBLE FLASHING	1000 SERIES ALUM	HOT MELT CONNECTION TO PART# 7
7	RUBBER COLLAR	EPDM	HOT MELT CONNECTION TO PART# 6



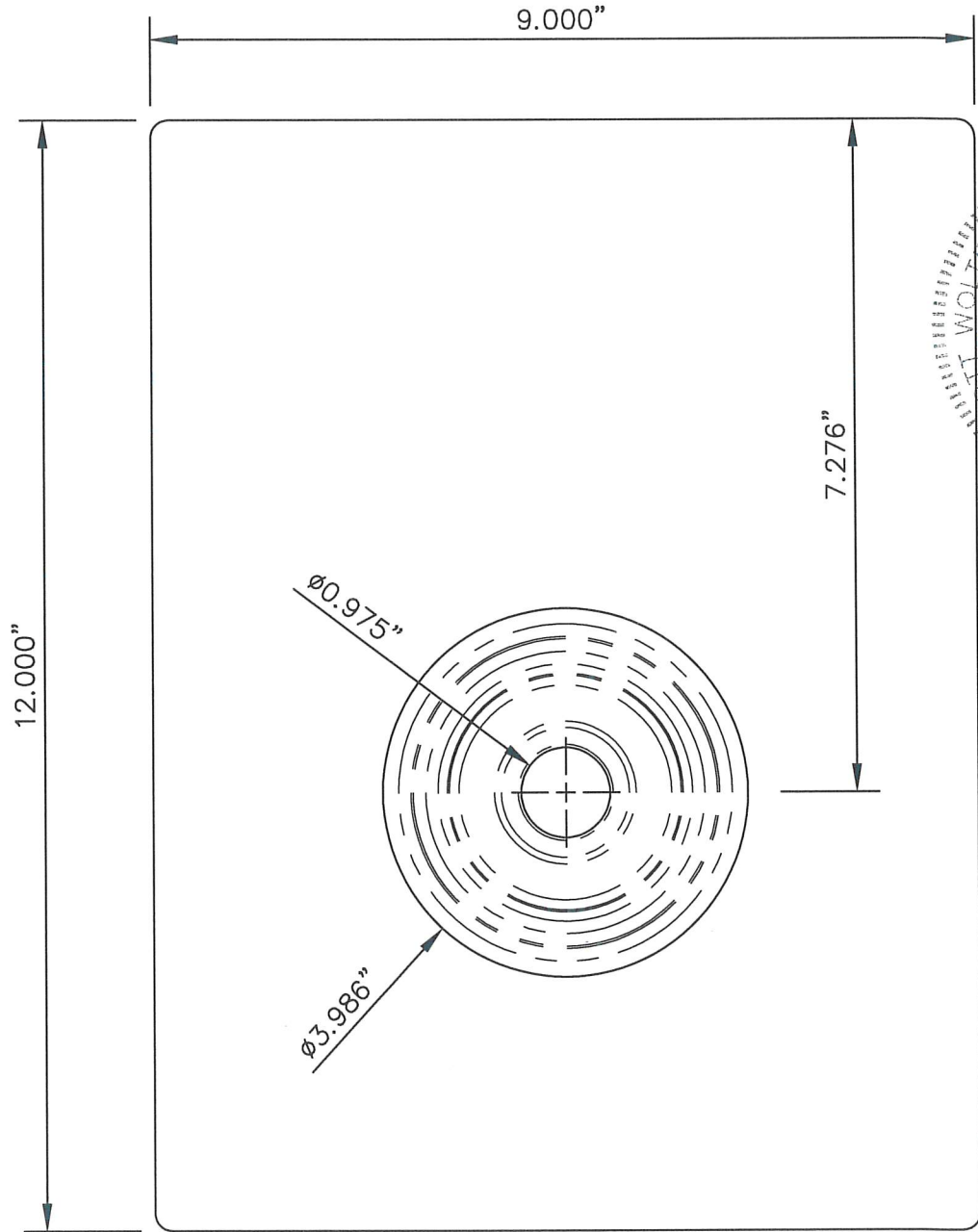
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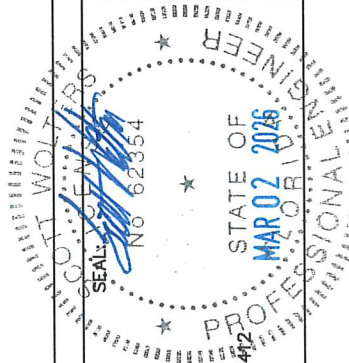


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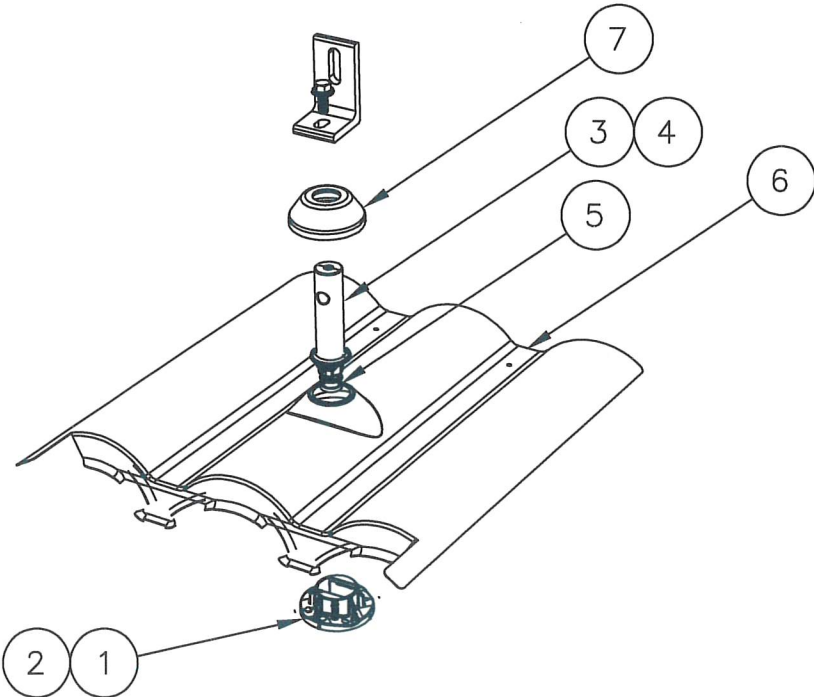


DWG: K2DNL-HZ
SHEET: 6/7

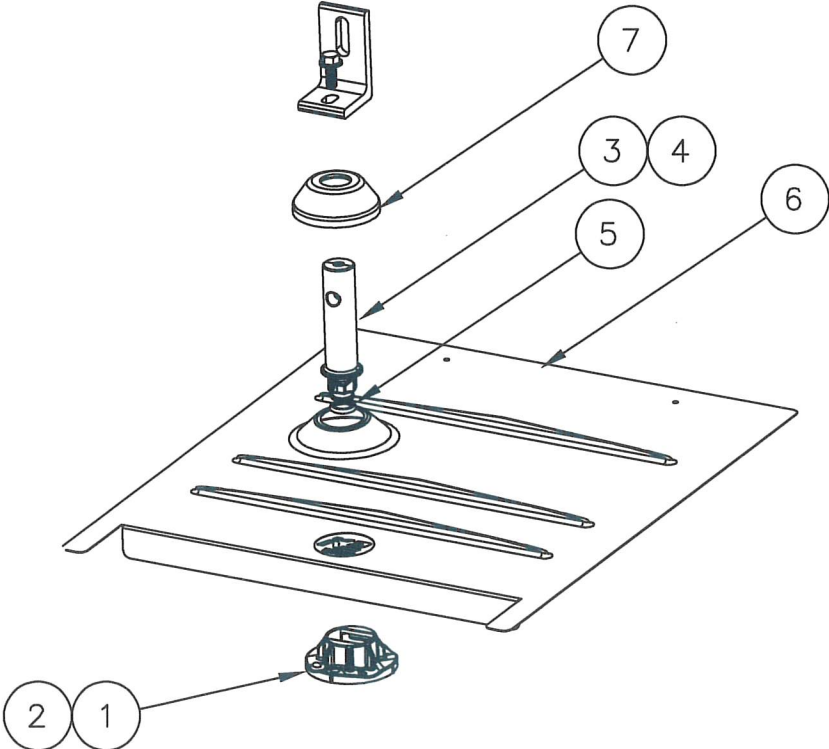
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K2 DROP N LOCK SOLAR MOUNT BRACKET

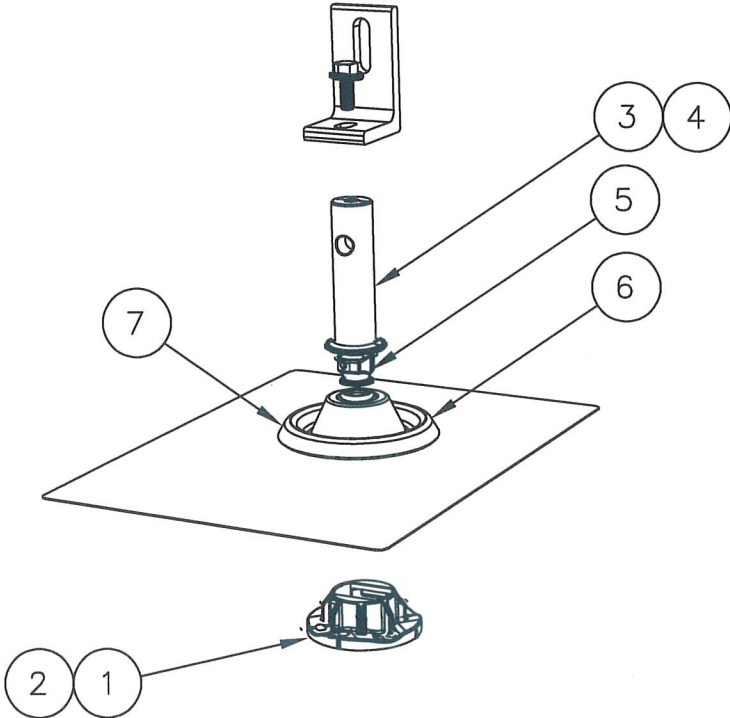
ROOF TYPES AND SEALING DETAILS



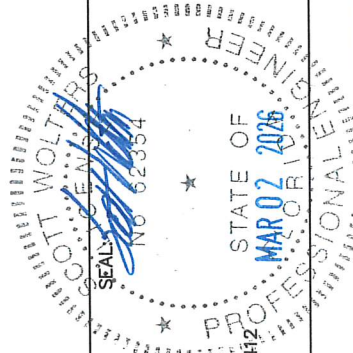
W-TILE/S-TILE



FLAT TILE



OTHER FLAT ROOFING



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DWG: K2DNL-HZ
SHEET: 7/7

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