

MFG Part #	Product Description	Post Height	Post Size	Beam Size	Weight	Fastening Requirements	
						Type & Size	Total Per Anchor
RAS-35-4	MS ROOF ANCHOR - SMALL	4' - 0"	2" x 2" x 1/4"	4X (3 1/2")	45#	SDS Screw - 1/4" x 2 1/2"	20
RAL-55-8	MS ROOF ANCHOR - LARGE	8' - 0"	3" x 3" x 3/8"	6X (5 1/2")	130#	SDS Screw - 1/4" x 2 1/2"	40

**NOTE:**

- POSTS MAY BE CUT TO A LOWER HEIGHT TO MATCH THE SCREEN HEIGHT
- SCREEN HEIGHT MUST NOT EXCEED POST HEIGHT
- ALL FRAMING, BLOCKING, AND STRAPPING ARE TO BE DESIGNED BY THE ENGINEER OF RECORD.
- CUSTOM POST HEIGHTS AND DESIGNS AVAILABLE UPON REQUEST.



**Recommended Details**

All framing, blocking, strapping are to be designed by the engineer of record.

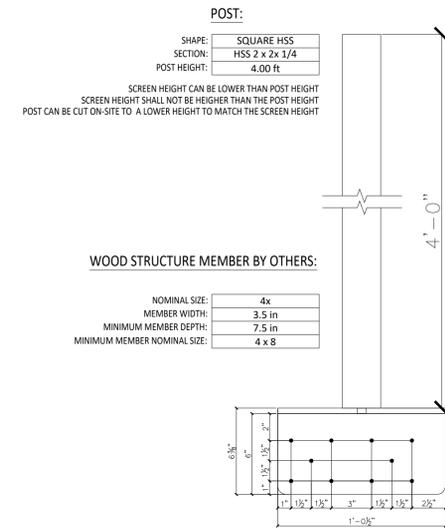
Maximum Allowable loading of the MS Roof Anchor		
	RAS-35-4	RAL-55-8
Available Strength in Shear P (ASD)	6650 lb	13324 lb
Available Strength in Bending M (ASD)	1939 lb-ft	6107 lb-ft



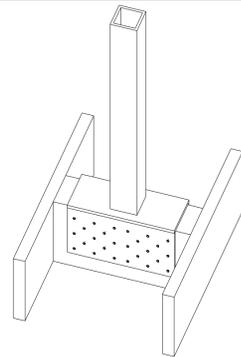
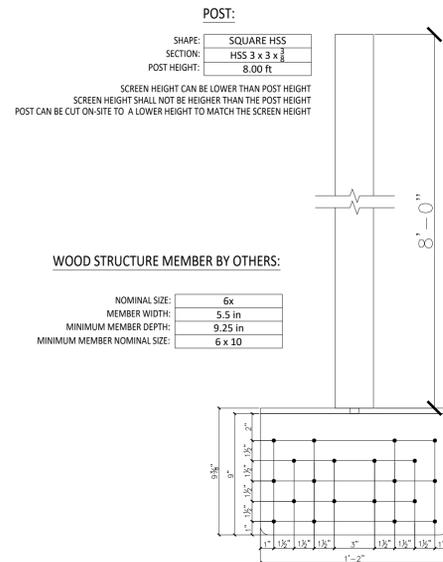
IAPMO ER# PENDING  
2020 L.A. CITY BUILDING CODE  
MS ROOF ANCHORS ARE  
MANUFACTURED BY TOBIN STEEL  
(LA CITY FABRICATORS LICENSE #975)



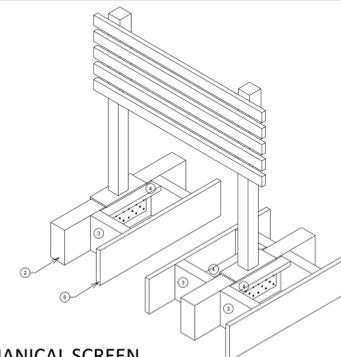
**RAS - 35-4**



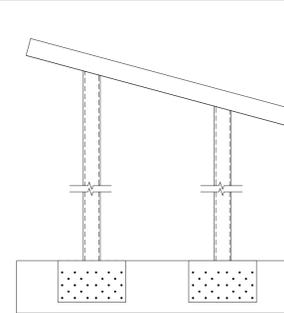
**RAL - 55-8**



MECHANICAL SCREEN



SOLAR CANOPY



ROOF TRELLIS

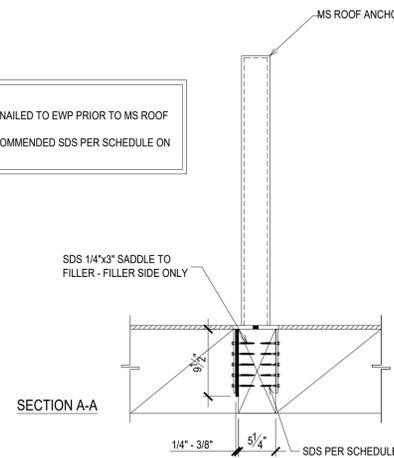
CUSTOM POST HEIGHTS AND DESIGNS  
AVAILABLE UPON REQUEST.

PATENT PENDING

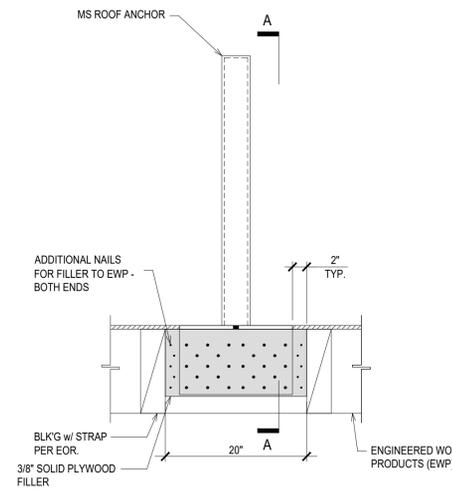
**RECOMMENDED FRAMING DETAILS AND APPLICATIONS**

CUSTOM POST HEIGHTS AND DESIGNS AVAILABLE UPON REQUEST

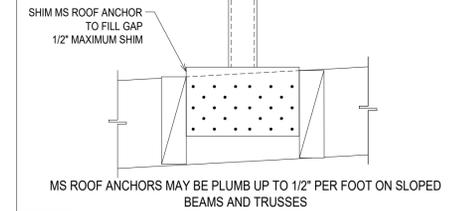
- NOTE:**
- SOLID PLYWOOD FILLER TO BE NAILED TO EWP PRIOR TO MS ROOF ANCHOR INSTALLATION.
  - USE SDS 3/8 X 1/4 IN LIEU OF RECOMMENDED SDS PER SCHEDULE ON FILLER SIDE ONLY



**2** MS ROOF ANCHOR ON 5 1/4" EWP BEAM W/ FILLER

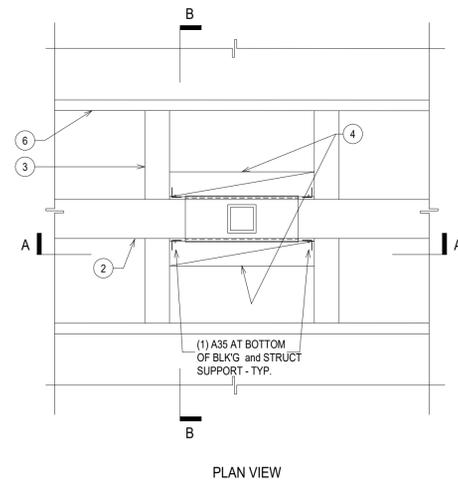


**3** SLOPED DETAIL

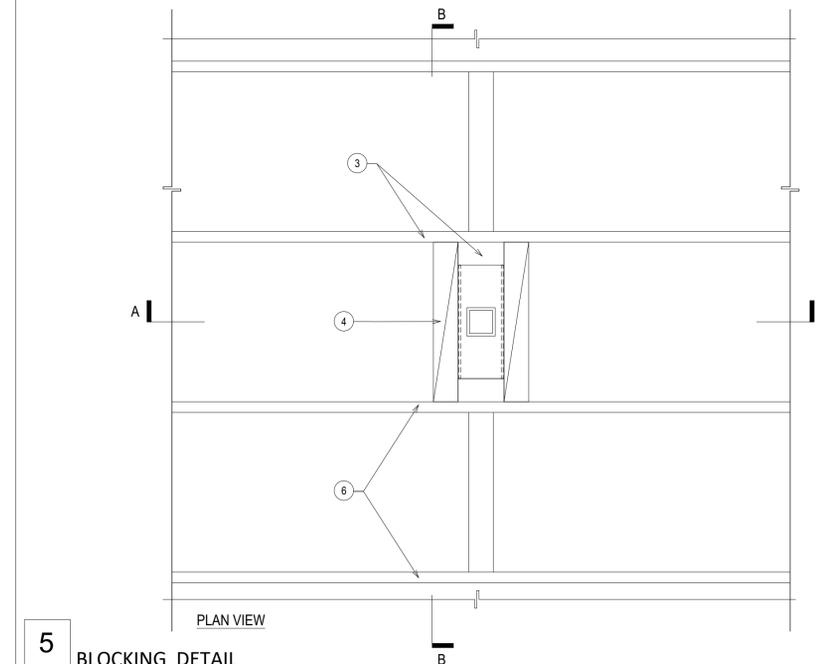
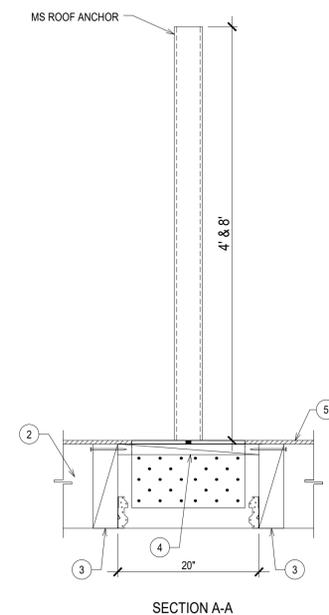
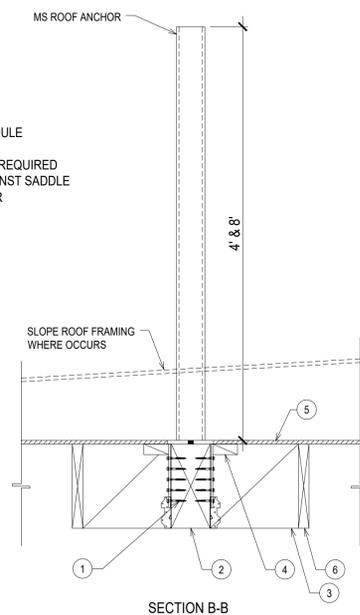


**KEYNOTES LEGEND**

- SDS 1/4"x2-1/2" PER SCHEDULE
- BEAM BY EOR
- BLK'G & STRAP BY EOR AS REQUIRED
- 2x4 FLAT BLK'G TIGHT AGAINST SADDLE
- ROOF SHEATHING PER EOR
- JOIST PER EOR



**4** BEAM DETAIL



**MS ROOF ANCHOR  
BEAM DETAIL SHEET**

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www.msroofanchor.com

DATE:  
May 23rd 2024

SCALE:  
N.T.S.

SHEET #:

**B-0**