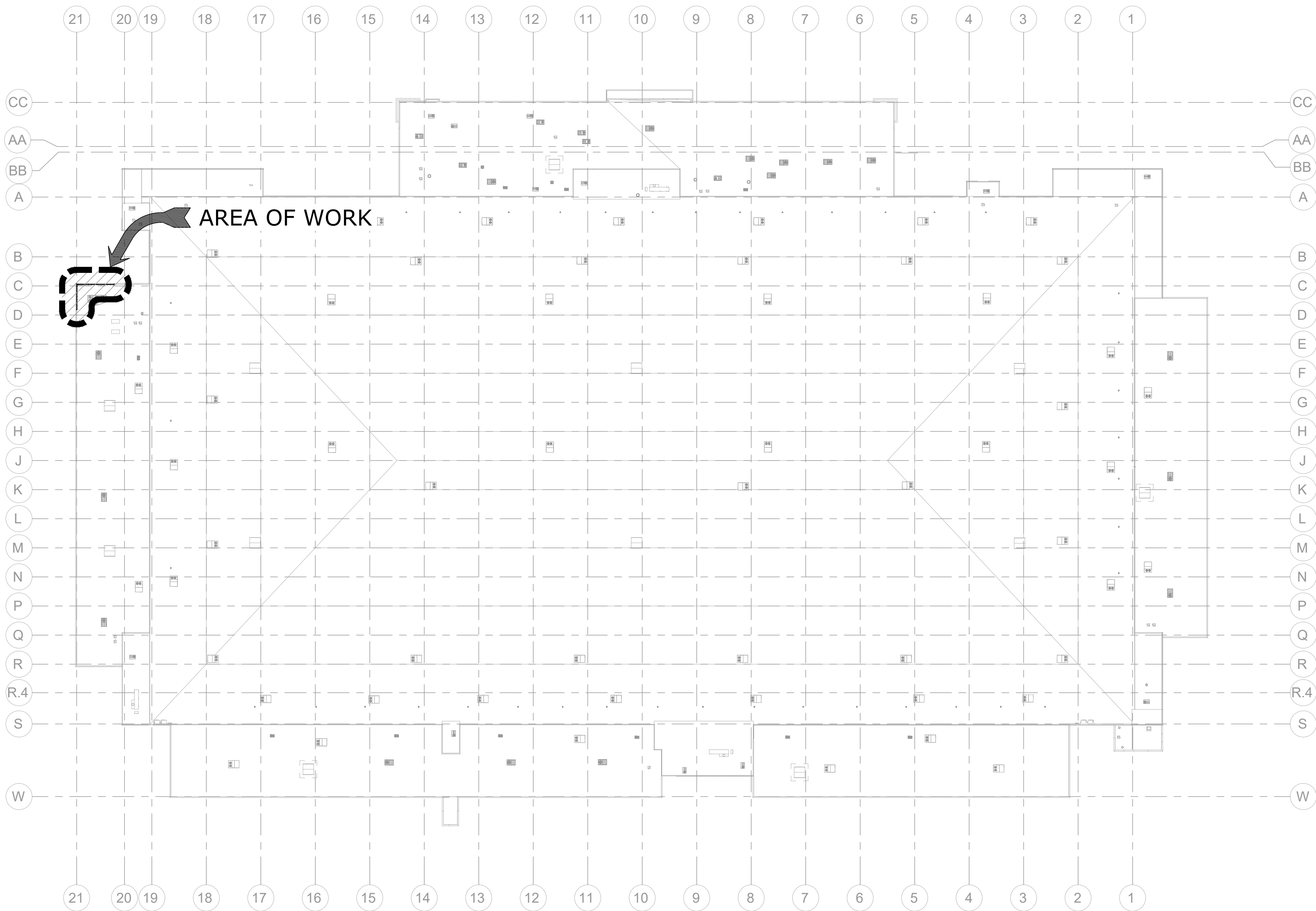


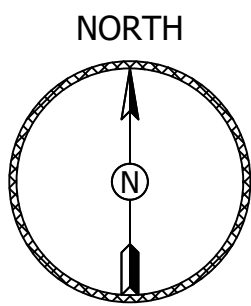
ROOFSCREEN CONSTRUCTION DOCUMENTS:

WALL MOUNT SAMPLE DRAWINGS

CONSTRUCTION DOCUMENT DATED: 11/27/23
LOCATION: 347 CORAL ST
SANTA CRUZ, CA 95060



SITE PLAN
SCALE: NTS



CODE ANALYSIS

ALL WORK SHALL COMPLY WITH THE 2015 VIRGINIA UNIFORM BUILDING CODE

RISK CATEGORY.....	(ASCE 7, TABLE 1-1)	II
WIND DESIGN CRITERIA:		
WIND SPEED.....	(IBC FIG 1609)	115 MPH
WIND EXPOSURE.....	(IBC 1609.4.3)	C
C&C WIND PRESSURE.....	(ASCE 7 6.4.1.2)	48.0 PSF
SEISMIC DESIGN CRITERIA:		
IMPORTANCE FACTOR.....	(ASCE 7, TABLE11.5-1)	1.0
SITE CLASS.....	(ASCE 11.4.2)	0
Ss.....	(ASCE 7, FIG 22-1)	0.185
S1.....	(ASCE 7, FIG 22-14)	0.061
SDS.....	(ASCE 7, 11.4.4)	0.197
SD1.....	(ASCE 7, 11.4.4)	0.098
SEISMIC DESIGN CATEGORY.....	(ASCE 7, TABLE 11.6-1, 11.6-2)	B

MATERIAL SPECIFICATIONS

STRUCTURAL STEEL & MISCELLANEOUS IRON:

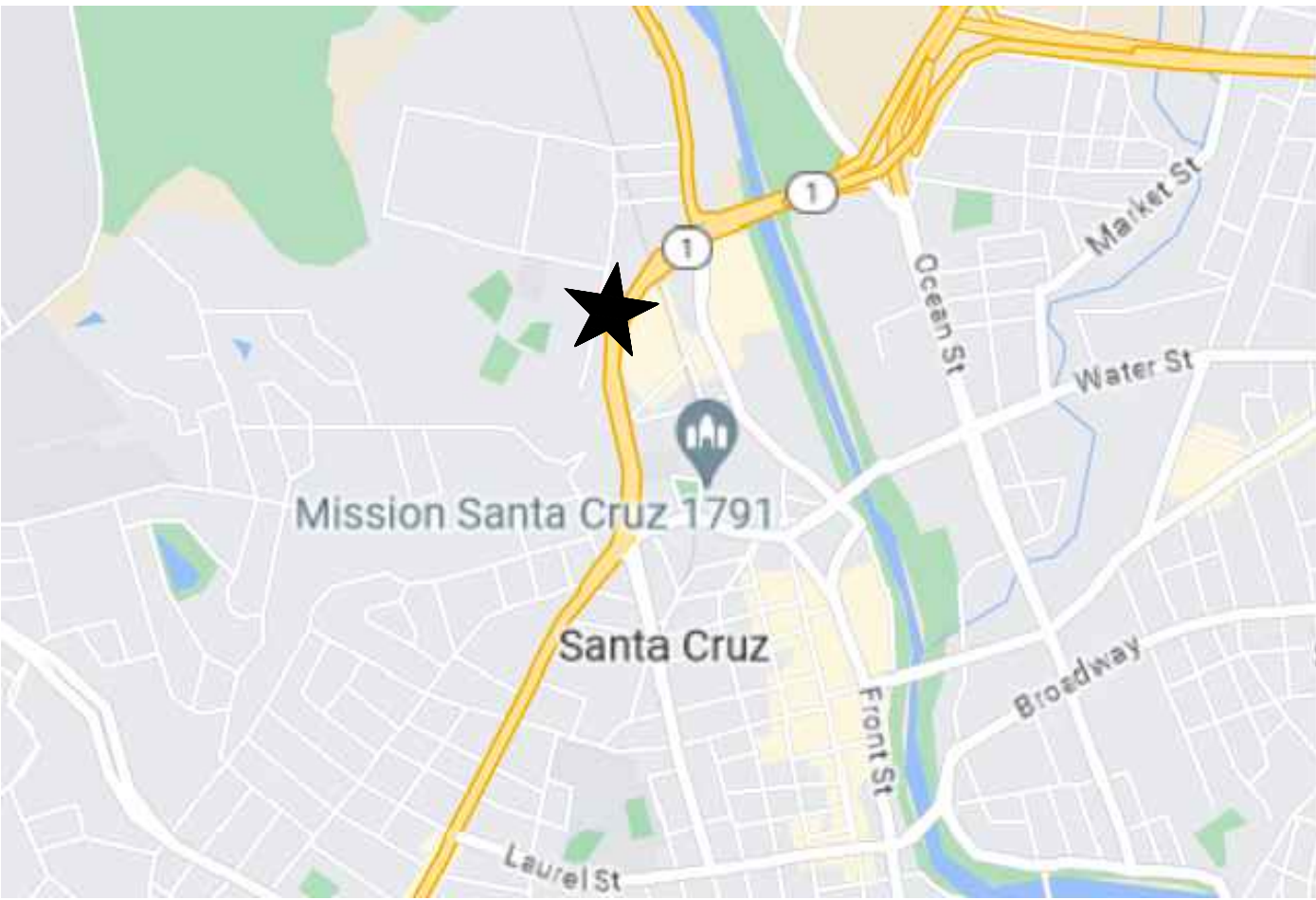
ROUND TUBING:	GALVANIZED 16 GA ASTM A500 GRADE B, MIN Fy = 40 KSI
PROPRIETARY PARTS	GALVANIZED 11 GA ASTM A500 GRADE C, MIN Fy = 50 KSI
	POLYESTER POLYURETHANE POWDER COATED
	ASTM A1008-CS TYPE A, Fy = 34 KSI
	BASE SUPPORT BASE PLATE, ASTM A36, Fy = 36 KSI
	STAINLESS STEEL AISI TYPE 304, Fy = 31.2 KSI
	6063 T6, Ftu = 30 KSI
EXTRUDED ALUMINUM:	ASTM F593C/G (AISI 18-8)
STAINLESS STEEL BOLTS	AISI 18-8
STAINLESS STEEL NUTS AND WASHERS	E70XX
WELDING ELECTRODES	ITW BUILDEX W/ CLIMASEAL (ESR 1976) OR APPROVED EQUAL
SELF DRILLING SELF TAPPING SCREWS	

SCOPE OF WORK

NEW ROOFSCREEN

NOTE: EVALUATION OF EXISTING ROOF SHEATHING, ROOF FRAMING, AND BUILDING FOR NEW MECHANICAL EQUIPMENT AND SCREEN LOADS (INCLUDING SNOW DRIFT LOADING EFFECTS) SHALL BE PROVIDED BY OTHERS. LOAD REACTIONS AT BASE SUPPORTS ARE LISTED ON FRAME SPECIFICATIONS.

AREA MAP



VICINITY MAP



SHEET INDEX

SHEET	CONTENTS
RS-0	CODE ANALYSIS, SITE PLAN, SHEET INDEX, AREA MAP, VICINITY MAP, SCOPE OF WORK
RS-1	ROOFSCREEN FRAMING PLAN
RS-2	ROOFSCREEN FRAME DETAILS & SPECIFICATIONS
RS-3	ROOFSCREEN PART/ASSEMBLY DETAILS

WALL MOUNT SAMPLE DRAWINGS

347 CORAL ST, SANTA CRUZ, CA 95060

ROOFSCREEN MFG., INC.
SANTA CRUZ, CA 95060
(865) 790-2727
INFO@ROOFSCREEN.COM



ROOFSCREEN COVER SHEET

DRAWN BY: SS
CHECKED BY: KS
JOB NUMBER: P5555

SHEET

RS-0

APPROVAL / REVIEW AUTHORITY:
PLEASE REVIEW THIS DRAWING CAREFULLY. IT REPRESENTS OUR INTERPRETATION OF THE CONTRACT DOCUMENTS HOWEVER, ROOFSCREEN MFG. ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE INFORMATION SHOWN ON THE DESIGN DRAWINGS. THIS IS THE RESPONSIBILITY OF THE BUYER.

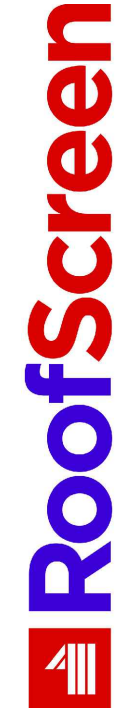
UNLESS NOTED OTHERWISE ON THIS DRAWING, WHEN IT IS RETURNED FROM APPROVAL, IT WILL BE ASSUMED THAT ALL INFORMATION SHOWN HEREIN HAS THE AFFIRMATION OF THE APPROVAL AUTHORITY. SUBSEQUENT CHANGES TO INFORMATION SHOWN ON THESE DRAWINGS AFTER FIRST SUBMISSION WILL BE CONSIDERED AS CONTRACT CHANGES.

REV	DESCRIPTION	BY	DATE
1	CONSTRUCTION DOCUMENTS	SS	11/27/23
2			
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WALL MOUNT SAMPLE DRAWINGS

347 CORAL ST, SANTA CRUZ, CA 95060

ROOFSCREEN MFG., INC.
1000 COUNTRY CLUB DRIVE
SANTA CRUZ, CA 95060
(866) 766-7722
INFO@ROOFSCREEN.COM



ROOFSCREEN PLAN

DRAWN BY:	SS
CHECKED BY:	KS
JOB NUMBER:	P5555

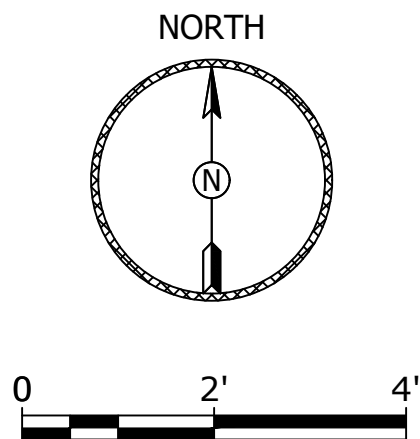
SHEET

RS-1

NOTES:
1. THE ACCURACY OF THE DATA USED TO CREATE THIS LAYOUT HAS NOT BEEN FIELD VERIFIED. THE AS-BUILT LOCATIONS OF ROOF FRAMING MEMBERS AND MECHANICAL EQUIPMENT SHALL BE FIELD VERIFIED. ALL DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO PROCEEDING WITH WORK.
2. NOTIFY THE ENGINEER IF FIELD VERIFIED DIMENSIONS VARY MORE THAN ±3".

ROOFSCREEN PLAN

SCALE: 1/2" = 1'



KEY PLAN

SCALE: NTS

LEGEND

1 #	ROOFSCREEN FRAME W/ FRAME #
LB	LATERAL BRACE (DTL 10/RS-3) OFFSET ON PLAN FOR CLARITY ONLY ARROW INDICATES DOWN SLOPE
	PANELS
	HAT CHANNEL (H13) AND SPLICE (H14) AS REQUIRED (DTL 11/RS-3)

1. ALL WORK SHALL BE PERFORMED EXCLUSIVELY BY TRAINED COMPETENT PERSONNEL AND SHALL COMPLY WITH ALL APPLICABLE SAFETY LAWS, REGULATIONS, PROGRAMS AND PRACTICES TO ENSURE THE SAFETY OF ALL PEOPLE LOCATED ON THE WORK SITE.
2. TOP OF SCREEN ELEVATION SHALL BE UNIFORM ALONG FULL LENGTH OF WALL AND SHALL NOT EXCEED MAX ELEVATION SHOWN.
3. FRAME DIMENSIONS SHOWN ARE FOR THE TALLEST FRAME WHERE THE ROOF IS AT ITS LOWEST ELEVATION. FRAME TUBES WILL BE PRE-CUT AND DELIVERED TO THE DIMENSIONED FRAMES INSTALLED WHERE ROOF IS AT HIGHER ELEVATIONS MAY REQUIRE FIELD TRIMMING OF THE TUBE LENGTHS TO KEEP TOP OF SCREEN ELEVATION LEVEL.
4. LASER MEASURING IS RECOMMENDED PRIOR TO FIELD CUTTING.
5. WHEN USING SELF-DRILLING TEK SCREWS TO FASTEN WALL MOUNTS THROUGH METAL TO STEEL STRUCTURAL MEMBERS, IT IS NECESSARY TO DRILL A CLEARANCE HOLE, LARGER THAN THE DIAMETER OF THE TEK SCREW, IN THE HIGH FLUTE OF THE METAL PANEL TO ALLOW THE SCREW TO SPIN AT THE PROPER SPEED TO DRILL INTO THE STEEL ON THE OTHER SIDE. IT IS NOT NECESSARY OR RECOMMENDED TO DRILL A PILOT HOLE IN THE STEEL MEMBER.
6. WHEN USING Ø3/8" LAG SCREWS TO FASTEN WALL MOUNTS TO WOOD STRUCTURAL MEMBERS, IT IS RECOMMENDED TO DRILL A 15/64 PILOT HOLE THE FULL DEPTH OF THE LAG SCREW THREADS.
7. WHEN INSTALLING DRILLED-IN ANCHORS AND/OR POWDER DRIVEN PINS IN EXISTING NON-OR PRE-TENSIONED REINFORCED CONCRETE (MILD REINFORCED), USE CARE & CAUTION TO AVOID CUTTING OR DAMAGING THE (E) REINFORCING BARS, WHEN INSTALLING THEM INTO (E) PRE-STRESSED OR POST-TENSIONED CONCRETE LOCATE THE PRE-STRESSED OR POST-TENSIONED TENDONS BY USING A NON-DESTRUCTIVE METHOD, SUCH AS X-RAY, AT POINT OF PENETRATION, PRIOR TO INSTALLATION. EXERCISE EXTREME CARE & CAUTION TO AVOID CUTTING OR DAMAGING THE TENDONS DURING INSTALLATION. MAINTAIN A MINIMUM CLEARANCE OF TWO INCHES BETWEEN REINFORCEMENT AND THE DRILLED-IN ANCHOR AND/OR PIN.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE WATER-TIGHTNESS OF THE EXISTING ROOF DECK. FLASHING AND ROOFING OF WALL MOUNTS SHALL BE PER ROOFING SYSTEM MANUFACTURER'S REQUIREMENTS. VERIFICATION OF COMPLIANCE WITH ROOF WARRANTY AND PRE-APPROVAL FROM ROOFING SYSTEM MANUFACTURER, IF REQUIRED, SHALL BE PERFORMED BY OTHERS.
9. APPROPRIATE MEASURES SHALL BE TAKEN TO ELIMINATE THE POSSIBILITY OF DAMAGE TO EXISTING DECK AND ROOFING SYSTEM. CONSTRUCTION MATERIALS SHALL NOT BE STORED ON THE ROOF DECK UNLESS APPROPRIATE MEASURES ARE TAKEN TO PROTECT THE ROOF FROM DAMAGE.
10. MANY OF THE CONNECTOR FITTINGS HAVE EXTRA SCREW HOLES. SEE ROOFSCREEN SPECIFICATIONS ON THIS SHEET FOR THE CORRECT NUMBER OF SCREWS PER FITTING.
11. AFTER ROOFSCREEN PANELS ARE INSTALLED, ATTACH TRIM TO PANELS WITH COLOR-MATCHED SELF-DRILLING SCREWS AT 12" O.C. ALONG EACH LEG OF TRIM AT CORNERS AND ALONG SINGLE LEG AT ENDS, AND AT 3'-0" O.C. ALONG CAP TRIM PER DTL 13/RS-3.
12. APPLY ANTI-SEIZING LUBRICANT TO ALL STAINLESS BOLTS DURING INSTALLATION TO PREVENT GALLING.
13. AFTER INSTALLATION IS COMPLETE, DUST OFF AND REMOVE ALL METAL SHAVINGS FROM WALL MOUNTS AND FINISHED ROOF SURFACE TO PREVENT SURFACE RUST AND STAINING.
14. TEK SCREWS ARE FULLY SEATED WHEN THE HEAD IS FLUSH WITH THE ROOF SURFACE. OVERDRIVING MAY RESULT IN TORSIONAL FAILURE OF TEK SCREWS OR STRIP OUT OF THE SUBSTRATE. SCREW GUN SHOULD BE A MINIMUM OF 6 AMPS AND HAVE AN RPM RANGE OF 0-2500.

PANEL: 7.2 RIB 1" DEEP, 24ga, ORIENT VERTICAL, FASTEN TO HORIZONTAL HAT CHANNEL W/ CORNER-MATCHING #12-14 X 1" LONG T/3 "TEK" SCREW W/ NEOPRENE WASHER - ROOFSCREEN P/N "S16", (1) TOTAL PER DOWN FLUTE, PER DTL 12/RS-3, AND PER MANUFACTURER'S SPECS. DEFLECTION LIMIT = L/180

H13 HAT CHANNEL:
3" DEEP, 16ga, CUSTOM PROFILE, ORIENT HORIZONTAL, FASTEN TO TUBE
FRAMES W/ #12-14 X 1" LONG T/3 "TEK" SCREW - ROOFSCREEN P/N "S10", (1
EA LEG. SPLICE IN FIELD WITH "H14" PER DTL 11/RS-3. SPLICE AT CORNERS
WITH "TR37" PER DTL 14/RS-3.

T11) HSS 2.500 OD X 0.120 (11ga), $F_y = 50 \text{ ksi}$

C15 END CONNECTOR:
CONN TO TUBE W/ #12-14 X 1" LONG T/3 "TEK" SCREWS - ROOFSCREEN P/N "S10", (2) EA SIDE TYP. (4) TOTAL
CONN TO FIELD CONN W/ Ø½" X 1¼" LONG ANSI 18-8 STAINLESS STEEL BOLT - ROOFSCREEN P/N "B13", LOCKWASHER - P/N "W10" AND NUT - P/N "N10".

C35 WALL SUPPORT:
OR
C35.1

CONN TO <E> PRECAST HOLLOW INSULATED CONCRETE PARAPET W/ Ø3/8" X 10" ASTM A36 GRADE A ALLTHREAD BOLT - ROOFSCREEN P/N "B34", 3/8" ZINC FLAT WASHER - P/N "W22", LOCKWASHER - P/N "W21" AND NUT - P/N "N17",
(2) TOTAL PER C35 SEE DTL 3/RS-3.

AT ALTERNATE C, CONN TO MIN 4X WOOD BLOCKING (DESIGNED AND SUPPLIED BY OTHERS) W/LAG SCREW Ø3/8" x 3" - ROOFSCREEN P/N "B24" OR EQ., (2) TOTAL PER C35. SEE DTL 5/RS-3.

THIS PART MUST BE FLASHED IN ACCORDANCE WITH DETAIL 7/RS-3.



EVALUATION OF THE EXISTING ROOF SHEATHING, ROOF FRAMING AND BUILDING FOR NEW MECHANICAL EQUIPMENT AND SCREEN LOADS (INCLUDING SNOW DRIFT LOADING EFFECTS) SHALL BE PERFORMED BY OTHERS. AS REQUIRED PER EVALUATION, REINFORCEMENT SHALL BE PROVIDED BY OTHERS. ANALYSIS SHALL BE DONE BY A LICENSED PROFESSIONAL ENGINEER. ROOFSCREEN REACTIONS PROVIDED ARE BASED ON THE DESIGN CRITERIA ON SHEET RS-0. THE MAXIMUM ALLOWABLE STRESS DESIGN (0.6 FACTOR APPLIED TO WIND LOAD) REACTIONS AT THE BASE ARE AS FOLLOWS:

R2 Ry=XXXX lbs SHEAR AND Rx=XXXX lbs TENSION/COMPRESSION

R2) Ry=XXXX lbs SHEAR AND Rx=XXXX lbs COMPRESSION

ALL OTHER ARRANGEMENTS REQUIRE ENGINEER'S APPROVAL.

<p>C35 - TOP VIEW</p> <p>SECTION A-A</p>		<p>C35 - TOP VIEW</p> <p>SECTION A-A</p>		<p>SIDE VIEW</p> <p>TOP VIEW</p> <p>MAT'L: ASTM-A1018 GR36 HRS, ¼" PLATE: CLEAR ZINC</p>		<p>TOP ROW</p>								
4	WALL CONNECTION - ALTERNATE B	SCALE: NTS	3	WALL CONNECTION	SCALE: NTS	2	C35 OR C35.1 WALL MOUNT PLATE	SCALE: NTS	1	A71 WALL MOUNT 3" ASSEMBLY	SCALE: NTS			
<p>C12</p> <p>B13 N10 W10</p>		<p>PARAPET OR WALL</p> <p>WATERPROOF WALL MOUNT BASE (MUST BE FLASHED IN)</p> <p>FLASHING MATERIAL TO COVER BASE (MUST BE USED)</p> <p>PREDRILL HOLES INTO FLASHING MATERIAL. ALIGN WITH BASE HOLES</p> <p>SURFACE MOUNT BRACKET</p> <p>FIELD CONNECTOR</p> <p>BOLTS WITH SEALING WASHERS,</p>		<p>SIDE VIEW</p> <p>SECTION A-A</p>		<p>C35 - TOP VIEW</p> <p>SECTION A-A</p>								
8	A14 2½" FIELD WITH BOLT	SCALE: NTS	7	WATERPROOF WALL MOUNT	SCALE: NTS	6	WALL CONNECTION - ALTERNATE D	SCALE: NTS	5	WALL CONNECTION - ALTERNATE C	SCALE: NTS			
<p>3'-0" Coverage</p> <p>FASTEN W/COLOR MATCHED PANEL SCREWS, #12 X 1" LONG SELF DRILLING TEK SCREW W/NEOPRENE WASHER - ROOFSCREEN P/N S16</p> <p>MAT'L: 24ga STEEL FINISH: KYNAR 500 (PVDF) NET WEIGHT: 3.69 pif</p>		<p>HAT SECTION (H13)</p> <p>HAT SPLICE (H14)</p> <p>SECTION A-A</p> <p>SPLICE DETAIL (LOCATE AS REQUIRED)</p> <p>MAT'L: H13, H14 - 16ga, ASTM A653, Fy = 55ksi (min) FINISH: H13, H14 - G90 GALV.</p>		<p>A13 ASSY</p> <p>VERTICAL TUBE</p> <p>(T16) BRACE TUBE, FIELD MEASURE AND CUT TO LENGTH</p> <p>DOWN SLOPE AS SHOWN ON RS-1</p> <p>A13 ASSY</p>		<p>C12</p> <p>C15</p> <p>B13 N10 W10</p>								
12	P10 7.2 RIB PANEL	SCALE: NTS	11	HAT AND SPLICE DETAIL 12 SCREW, H13/H14	SCALE: NTS	10	LATERAL BRACE ASSEMBLY	SCALE: NTS	9	A13 2½" FIELD, 2½" END	SCALE: NTS			
<p>2" (2X)</p> <p>FINISH SIDE</p> <p>(2X) ½"</p> <p>(OPEN PARALLEL HEM)</p>		<p>2" (2X)</p> <p>FINISH SIDE</p> <p>(2X) ½"</p> <p>(OPEN PARALLEL HEM)</p>		<p>5" (2X)</p> <p>FINISH SIDE</p> <p>½" (2X) OPEN PARALLEL HEM (TYP)</p>		<p>PANELS ATTACH TO HAT SECTION AS SHOWN IN PLAN VIEW</p> <p>TEK SCREW, TYP</p> <p>HAT CHANNEL, TYP</p> <p>3" (2X)</p> <p>16ga</p> <p>TR 37</p> <p>CORNER TRIM</p> <p>PANEL FINISH SIDE</p> <p>HAT SECTION</p> <p>TR37, ATTACH TO HAT CHANNELS W/#12-14 X1" T/3 TEK SCREWS, P/N S10, (8) TOTAL</p> <p>PLAN VIEW</p>		<p>2" (2X)</p> <p>(2X) ½"</p> <p>(OPEN PARALLEL HEM)</p> <p>FINISH SIDE</p> <p>TR45 TRIM CAP</p> <p>TR45 TRIM CAP</p> <p>S16 SELF DRILLING SCREW THROUGH FACE OF TRIM CAP INTO PANEL @ 3'-0" O.C.</p> <p>FRONT</p> <p>PANEL</p> <p>S16: COLORED PANEL SCREW, #12X1", SELF DRILLING W/ NEOPRENE WASHER</p>						
17		SCALE: NTS	16	END TRIM 2' X 2' (TR45)	SCALE: NTS	15	OUTSIDE CORNER 5' X 5' (TR21)	SCALE: NTS	14	TR37 STIFFENER AT OUTSIDE CORNER	SCALE: NTS	13	TRIM CAP (TR45), 7.2 RIB (P10) ATTACHMENT	SCALE: NTS
~		SCALE: NTS	~		SCALE: NTS	~		SCALE: NTS	~		SCALE: NTS	~		SCALE: NTS

WALL MOUNT SAMPLE DRAWINGS		347 CORAL ST., SANTA CRUZ, CA 95060		ROOFSCREEN MFG., INC. 347 CORAL STREET SANTA CRUZ, CA 95060 (866) 766-7727 INFO@ROOFSCREEN.COM	
REV		CONSTRUCTION DOCUMENTS		DESCRIPTION	
DATE		11/27/23			
BY		SS			
JOB NUMBER		P5655			
CHECKED BY		KS			
DRAWN BY		SS			
PARTS/ASSEMBLY DETAIL		DIMS IN INCHES UNLESS NOTED			
SHEET					
RS-3					

<div>REVISION</div> <div>DATE</div> <div>BY</div> <div>DESCRIPTION</div> <div>CONSTRUCTION DOCUMENTS</div>	<div>REVISION</div> <div>DATE</div> <div>BY</div> <div>DESCRIPTION</div> <div>CONSTRUCTION DOCUMENTS</div>
<div>WALL MOUNT SAMPLE DRAWINGS</div> <div>347 CORAL ST, SANTA CRUZ, CA 95060</div> <div>RoofScreen</div> <div>ROOFSCREEN MFG., INC. SANTA CRUZ, CA 95060 (865) 760-2277 INFO@ROOFSCREEN.COM</div>	<div>ROOFSCREEN PART/ASSEMBLY DETAILS</div> <div>PARTS/ASSEMBLY DETAIL DIMS IN INCHES U.N.O.</div> <div>DRAWN BY: SS</div> <div>CHECKED BY: KS</div> <div>JOB NUMBER: P5555</div> <div>SHEET</div> <div>RS-3</div>