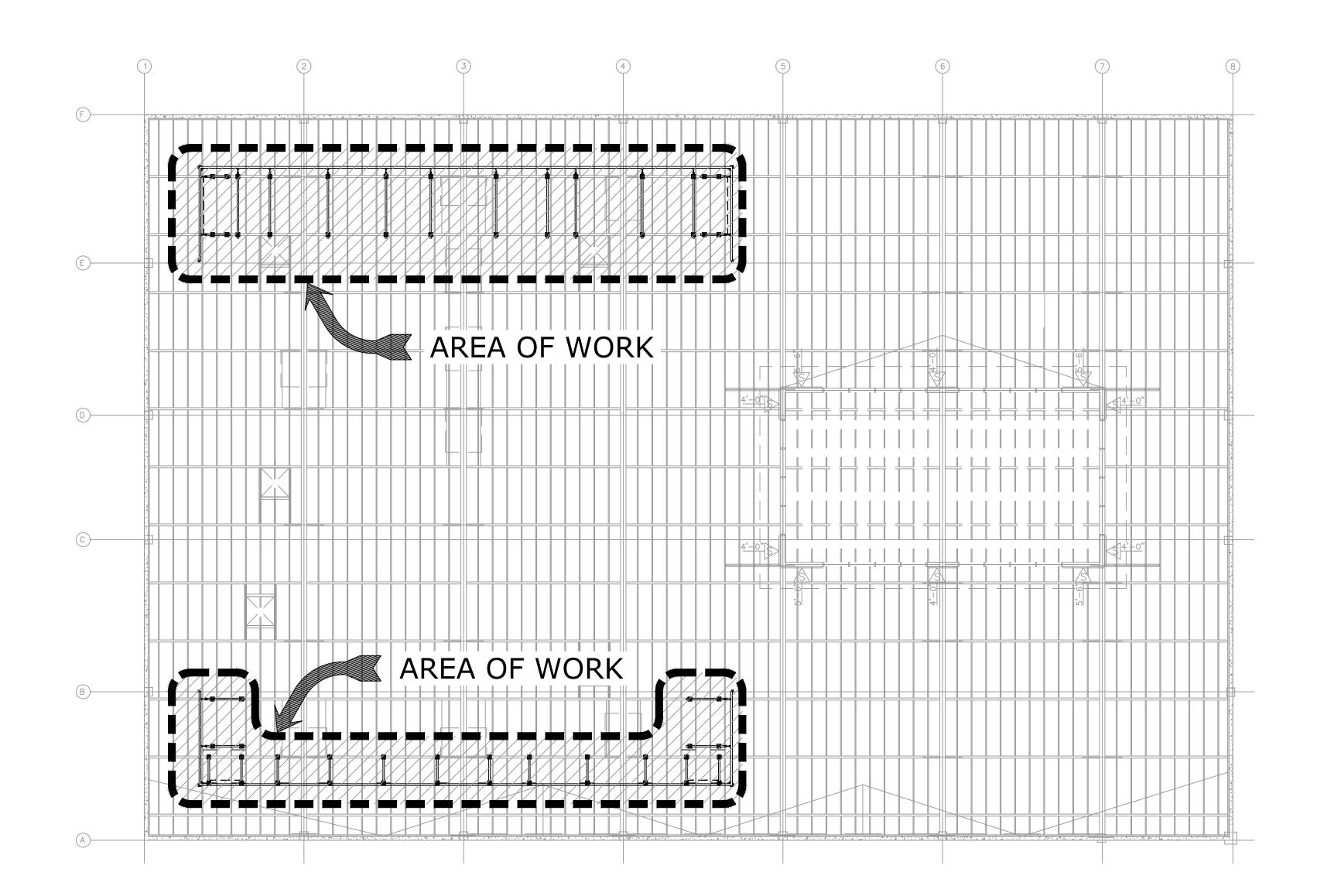
# **ROOFSCREEN CONSTRUCTION DOCUMENTS:** SC3 & NC3 SAMPLE PLANS

CONSTRUCTION DOCUMENT DATED: 11/17/23 LOCATION: 347 CORAL ST, SANTA CRUZ, CA 95060

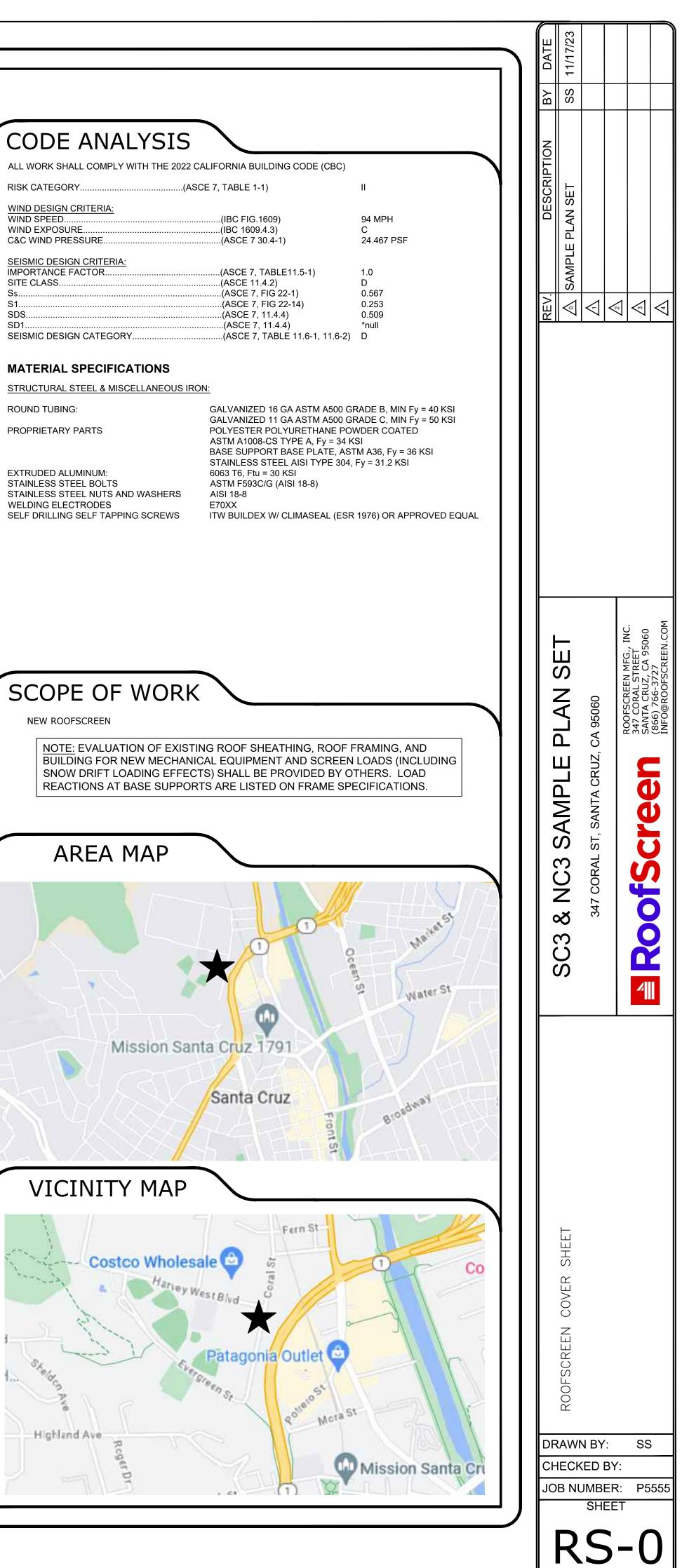


## SHEET INDEX

SHEET	CONTENTS
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RS-1	ROOFSCREEN FRAMING PLAN
RS-2	ROOFSCREEN PANEL PLAN
RS-3	ROOFSCREEN FRAME DETAILS & SPECIFICATIONS
RS-4	ROOFSCREEN FRAME DETAILS & SPECIFICATIONS CONT.
RS-5	ROOFSCREEN PART/ASSEMBLY DETAILS

SITE PLAN SCALE: NTS

PROJECT NORTH TRUE NORTH

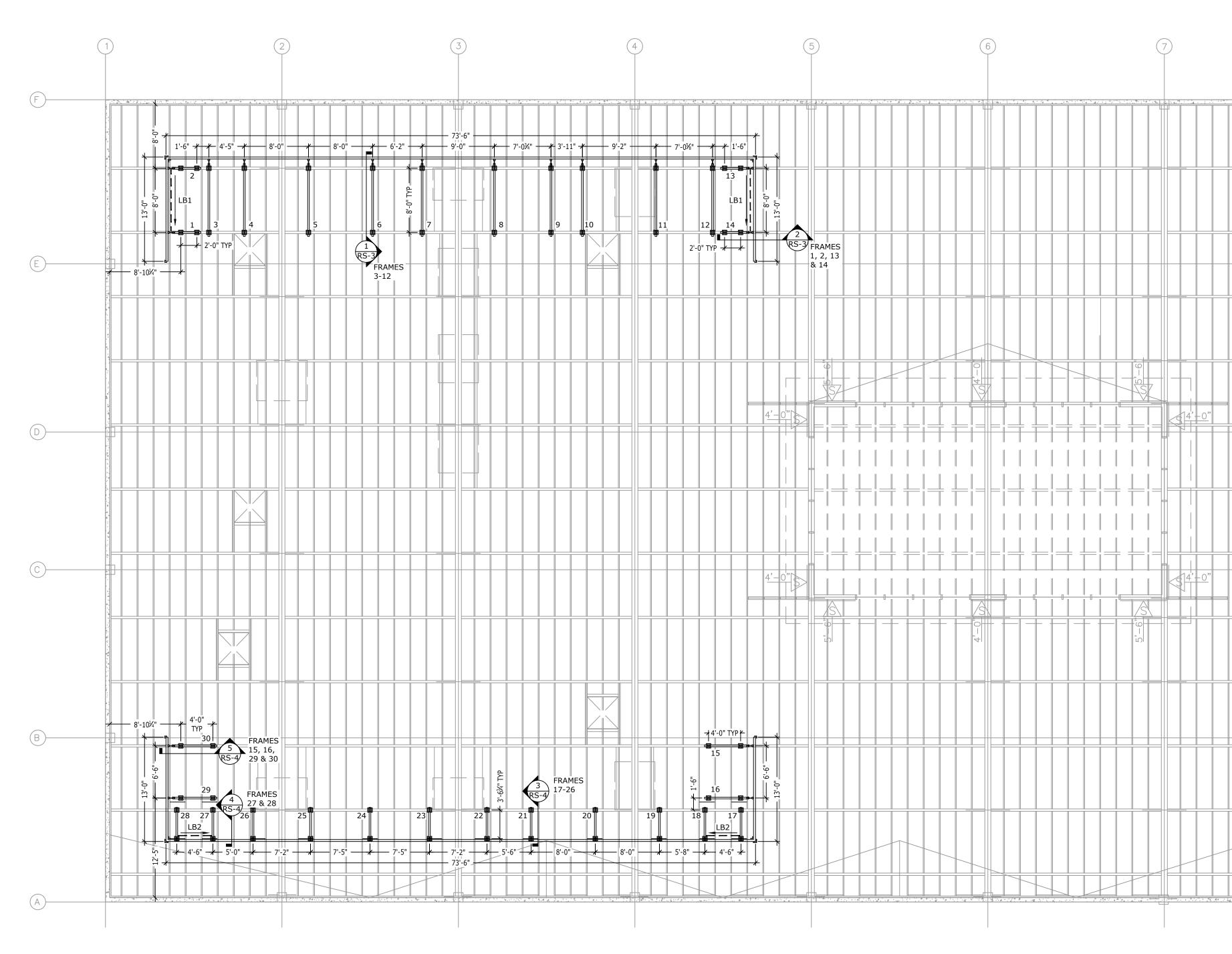


#### NOTES:

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  $\pm 3$ ".

3. SEE SHT RS-2 FOR ROOFSCREEN HORIZONTAL PANEL LAYOUT.





ROOFSCREEN FRAMING PLAN

PROJECT NORTH TRUE NORTH

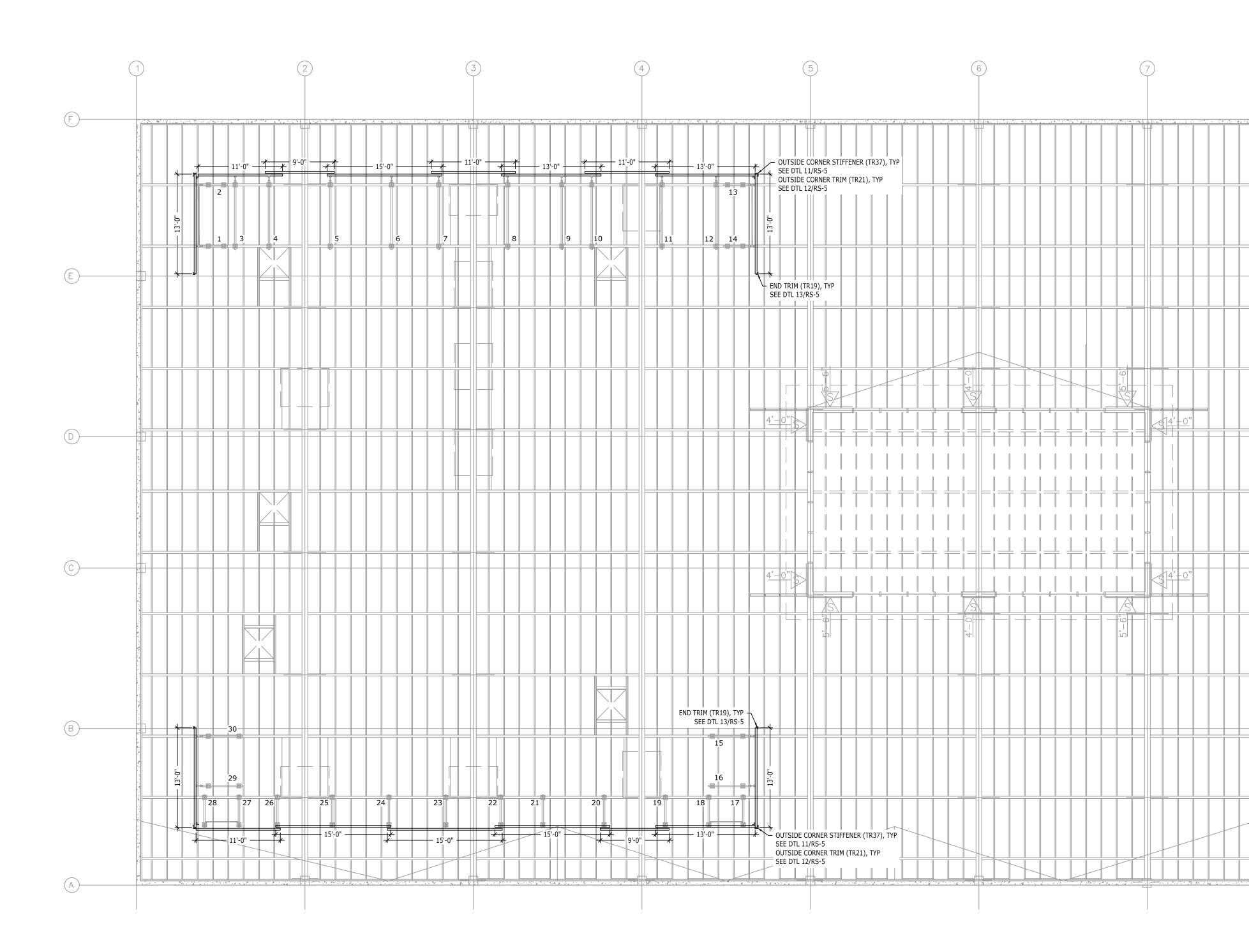
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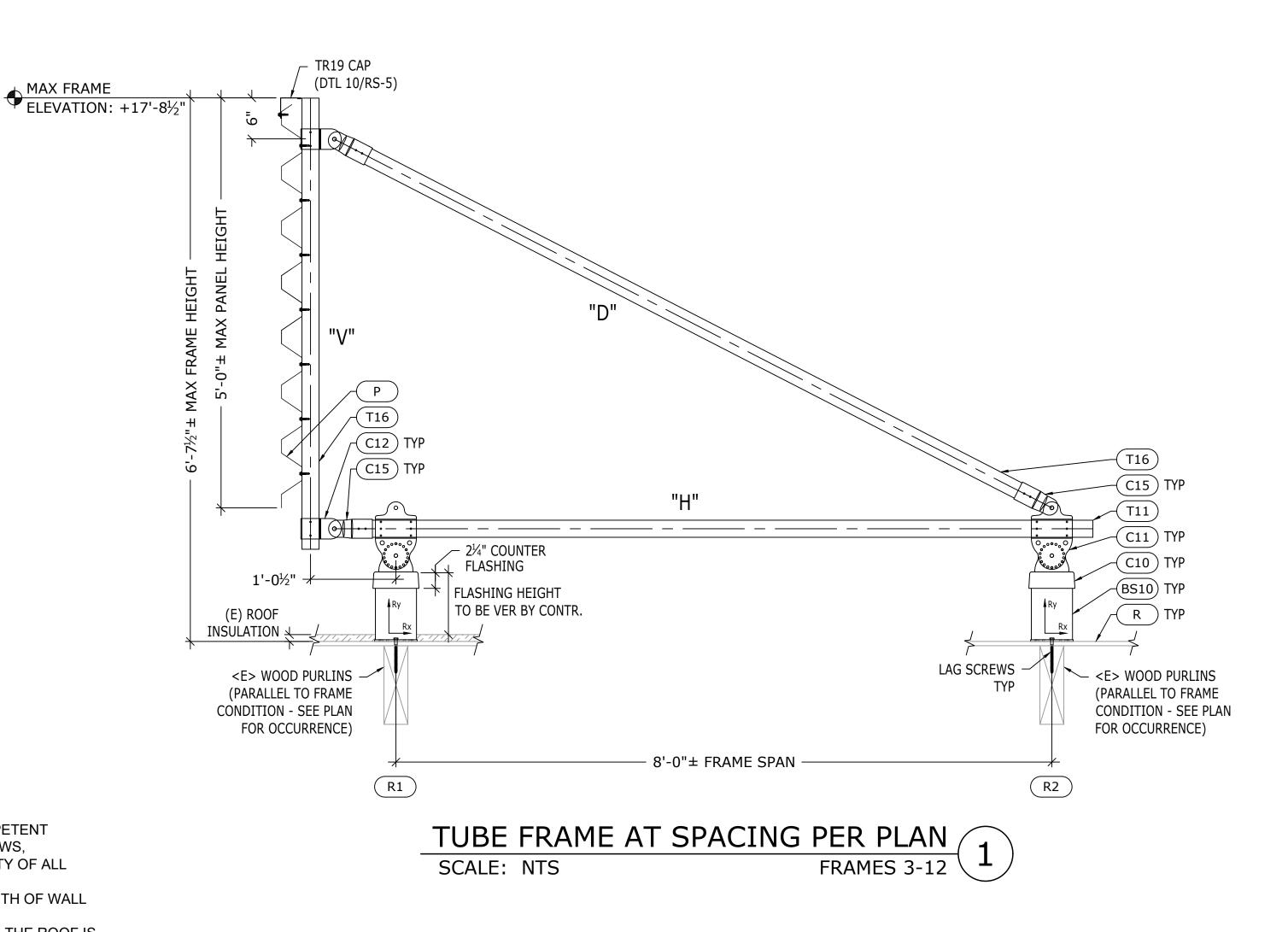
3. SEE SHT RS-1 FOR ROOFSCREEN FRAMING PLAN.



ROOFSCREEN PANEL PLAN SCALE: 1/8" = 1'

PROJECT NORTH TRUE NORTH

OF THE CONTRA RESPONSIBILITY DRAWINGS. THIS UNLESS NOTED O APPROVAL, IT WI AFFIRMATION OF INFORMATION SH	IEW AUTHORITY: THIS DRAWING CAREFULLY. IT REPRESENTS OUR INTERPRETATION CT DOCUMENTS HOWEVER, ROOFSCREEN MFG. ASSUMES NO FOR THE ACCURACY OF THE INFORMATION SHOWN ON THE DESIGN IS THE RESPONSIBILITY OF THE BUYER. OTHERWISE ON THIS DRAWING, WHEN IT IS RETURNED FROM LL BE ASSUMED THAT ALL INFORMATION SHOWN HEREIN HAS THE THE APPROVAL AUTHORITY. SUBSEQUENT CHANGES TO HOWN ON THESE DRAWINGS AFTER FIRST SUBMISSION WILL BE CONTRACT CHANGES.	REV. DESCRIPTION BY DATE A SAMPLE PLAN SET SS 11/17/23		
		SC3 & NC3 SAMPLE PLAN SET	347 CORAL ST, SANTA CRUZ, CA 95060	ScreenRoofscreenM.G.Roofscreen347 coral streetSanta cruz, ca 95060(866) 766-3727INF0@ROOFScreen.com
	PANEL LENGTHS   QTY LENGTHS   8 15'-0"   14 13'-0"   8 11'-0"   4 9'-0"	CHEC JOB N	SHE	Y: R: P5555



ROOFSCREEN INSTALLATION NOTES:

- 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.
- 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 THESE DIMENSIONS. FRAMES INSTALLED WHERE ROOF IS AT HIGHER ELEVATIONS MAY REQUIRE FIELD TRIMMING OF THE VERTICAL AND DIAGONAL TUBE LENGTHS TO KEEP TOP OF SCREEN ELEVATION LEVEL.
- LASER MEASURING IS RECOMMENDED PRIOR TO FIELD CUTTING
- ENSURE BASE SUPPORTS ARE CENTERED ON EXISTING FRAMING 6. INSTALL FRONT BASE SUPPORTS IN A STRAIGHT LINE USING LASER LEVEL OR
- STRING LINE. THERE IS NO FRONT TO BACK ADJUSTMENT FOR THE FRAME CONFIGURATION USED ON THIS PROJECT. WHEN USING  $\emptyset_{8}^{3}$ " LAG SCREWS TO FASTEN BASE SUPPORTS TO WOOD 7.
- STRUCTURAL MEMBERS, IT IS RECOMMENDED TO DRILL A 15/64 PILOT HOLE THE FULL DEPTH OF THE LAG SCREW THREADS.
- 8. DO NOT OVER TORQUE THREAD CUTTING SCREWS IN THE ROTOLOCK CONNECTION. FASTENER IS CORRECTLY INSTALLED WHEN SCREW REACHES THE SURFACE OF THE C11. OVER TORQUING WILL CAUSE SCREW HEAD TO SHEAR OFF.
- TO REDUCE THE POSSIBILITY OF CONDENSATION, FILL BASE SUPPORTS WITH 9. UNFACED BATT INSULATION (SUPPLIED BY OTHERS) DURING INSTALLATION.
- 10. STAINLESS STEEL BOLT WITH SEALING WASHER, P/N B11 CONNECTING THE C10 BASE CAP TO THE BASE SUPPORT SHALL NOT BE RE-USED IF REMOVED AFTER TIGHTENING.
- 11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE WATER-TIGHTNESS OF THE EXISTING ROOF DECK. FLASHING AND ROOFING OF BASE SUPPORTS 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.
- 12. ROOF FLASHING BOOTS SHALL TERMINATE FLUSH WITH TOP OF BASE SUPPORTS WHEN POSSIBLE BUT NOT MORE THAN 1/2" BELOW.
- 13. APPROPRIATE CARE 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
- 14. MANY OF THE FRAME CONNECTOR FITTINGS HAVE EXTRA SCREW HOLES. SEE ROOFSCREEN SPECIFICATIONS ON THIS SHEET FOR THE CORRECT NUMBER OF SCREWS PER FITTING.
- 15. OVERLAP PANEL RIBS AS REQUIRED TO ACHIEVE CORRECT PANEL HEIGHT AS SHOWN IN FRAME DETAIL(S) 1-4/RS-3 & 4.
- 16. 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 10/RS-5.
- APPLY ANTI-SEIZING LUBRICANT TO ALL STAINLESS BOLTS DURING 17 INSTALLATION TO PREVENT GALLING.
- 18. AFTER INSTALLATION IS COMPLETE, DUST OFF AND REMOVE ALL METAL SHAVINGS FROM BASE CAPS AND FINISHED ROOF SURFACE TO PREVENT SURFACE RUST AND STAINING.
- 19. TEK SCREWS ARE FULLY SEATED WHEN THE HEAD IS FLUSH WITH THE WORK 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.

PER DTL 9/RS-5, AND PER MANUFACTURER'S SPECS. DEFLECTION LIMIT = L/180 TUBE STEEL: ASTM A500. (T16) HSS 2.500 OD X 0.065 (16ga), Fy= 40ksi (T11) HSS 2.500 OD X 0.120 (11ga), Fy= 50ksi **PROPRIETARY CONNECTORS:** (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 BASE CONN OR FIELD CONN W/  $\emptyset$ <sup>1</sup>/<sub>2</sub>" X 1<sup>1</sup>/<sub>4</sub>" LONG ANSI 18-8 STAINLESS STEEL BOLT - ROOFSCREEN P/N "B13", LOCKWASHER - P/N "W10" AND NUT - P/N "N10". (C12) FIELD CONNECTOR: CONN TO TUBE W/ #12-14 X 1" LONG T/3 "TEK" SCREWS - ROOFSCREEN P/N "S10", (2) EA SIDE TYP. (4) TOTAL (C11) BASE CONNECTOR: CONN TO TUBE W/ #12-14 X 1" LONG T/3 "TEK" SCREWS - ROOFSCREEN P/N "S10", (4) EA SIDE TYP. (8) TOTAL. SEE DTL 2/RS-5. (C10) BASE CAP: CONN TO BASE CONNECTOR W/  $\emptyset$ <sup>1</sup>/<sub>2</sub>" X 1<sup>1</sup>/<sub>4</sub>" LONG ANSI 18-8 STAINLESS STEEL BOLT - ROOFSCREEN P/N "B13", LOCKWASHER - P/N "W10" AND NUT - P/N "N10" (1) TOTAL. SET ROTOLOCK ANGLE USING  $\emptyset_{4}^{1}$ "-20 X  $\frac{3}{4}$ " SS THREAD CUTTING SCREWS -ROOFSCREEN P/N "S44", (4) TOTAL PER ENGINEERING REQUIREMENT. SEE DTL 2/RS-5 FOR ROTOLOCK ATTACHMENT. CONN TO BASE SUPPORT W/  $\emptyset_{16}^{5}$ " X 1" LONG A36 GALV BIN BOLT W/ POLY WASHER - ROOFSCREEN P/N "B11". (8) TOTAL (BS10) BASE SUPPORT: 10" HIGH CONNECT TO <E> WOOD PURLINS OR 4x MIN WOOD BLOCKING (DESIGNED AND SUPPLIED BY OTHERS) W/  $\emptyset_{8}^{3}$ " x 5" ZINC LAG SCREW - ROOFSCREEN P/N "B24", (3) TOTAL PER BS10 DTL 3/RS-5. ALIGN BASE SUPPORT W/ CENTERLINE OF EXISTING FRAMING WHERE OCCURS, OTHERWISE ALIGN BLOCKING WITH CENTERLINE OF BASE SUPPORTS. (BS12) BASE SUPPORT: 12" HIGH (AT FRAMES 27 & 28) CONNECT TO <E> WOOD PURLINS OR 4x MIN WOOD BLOCKING (DESIGNED AND SUPPLIED BY OTHERS) W/  $\emptyset_{\%}^{3}$ " x 5" ZINC LAG SCREW - ROOFSCREEN P/N "B24", (3) TOTAL PER BS10 DTL 3/RS-5. ALIGN BASE SUPPORT W/ CENTERLINE OF EXISTING FRAMING WHERE OCCURS, OTHERWISE ALIGN BLOCKING WITH CENTERLINE OF BASE SUPPORTS.

## MAX FRAME ELEVATION: +17'-8<sup>1</sup>/<sub>2</sub>

### **ROOFSCREEN SPECIFICATIONS:**

P ) PANEL: 3" DEEP RIB, 24 GA., TWO HORIZONTAL ROWS, FASTEN TO VERTICAL TUBE SECTION W/ COLOR-MATCHING #12-14 X 1" LONG T/3 "TEK" SCREW W/ NEOPRENE WASHER - ROOFSCREEN P/N "S16", (1) TOTAL PER DOWN FLUTE,

### **ROOFSCREEN REACTIONS:**

LOAD) REACTIONS AT THE BASE ARE AS FOLLOWS:

#### WIND:

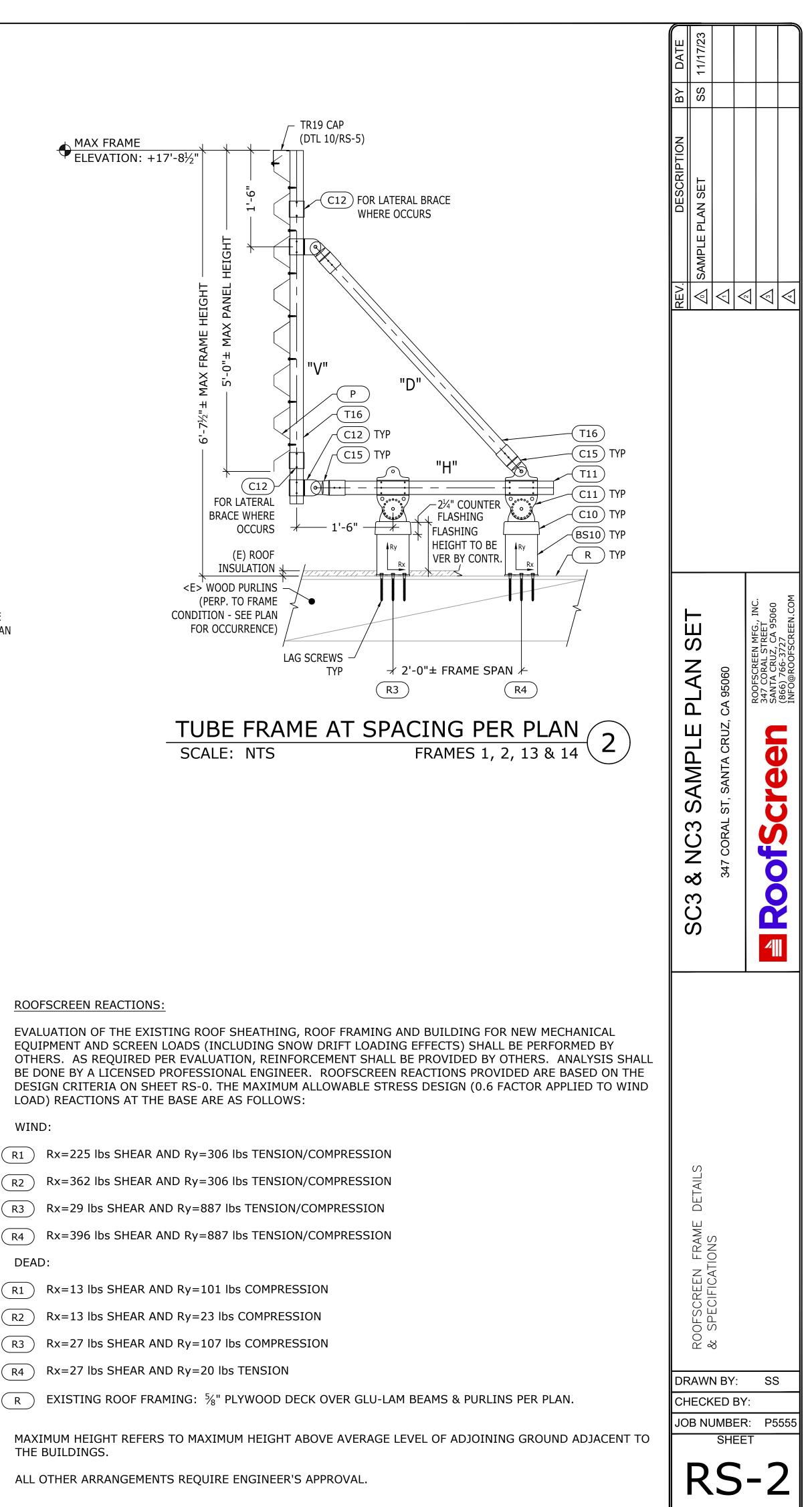
(R1)	Rx=225	lbs	SHEAR	AN
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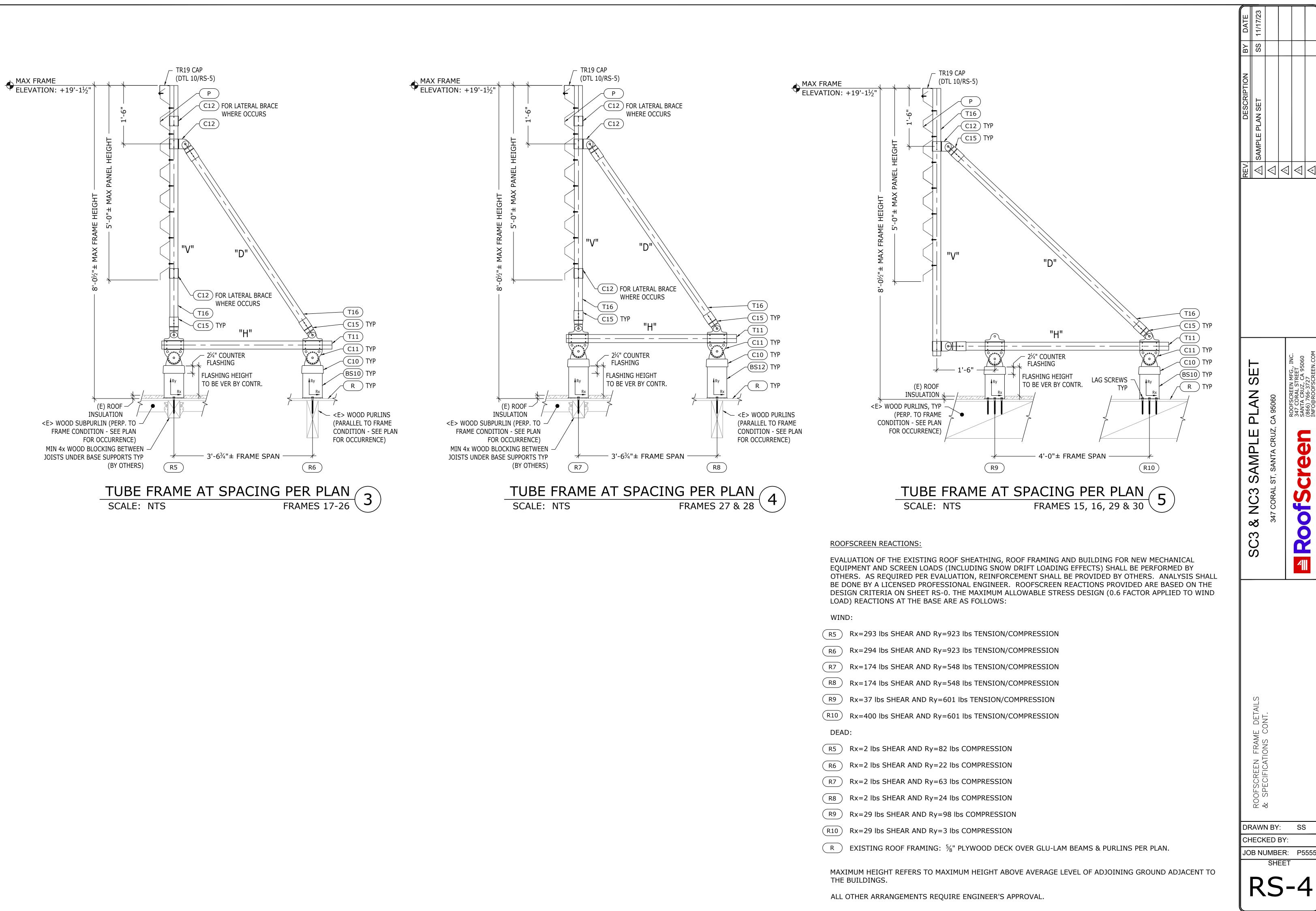
- (R2)

#### DEAD:

- (R1) Rx=13 lbs SHEAR AND Ry=101 lbs COMPRESSION
- (R2) Rx=13 lbs SHEAR AND Ry=23 lbs COMPRESSION

THE BUILDINGS.





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WINI	כ:
<b>R5</b>	Rx=293 lbs SHEAR AND Ry
<b>R6</b>	Rx=294 lbs SHEAR AND Ry
<b>R7</b>	Rx=174 lbs SHEAR AND Ry
<b>R8</b>	Rx=174 lbs SHEAR AND Ry
<b>R9</b>	Rx=37 lbs SHEAR AND Ry=
(R10)	Rx=400 lbs SHEAR AND Ry
DEAL	D:
<b>R5</b>	Rx=2 lbs SHEAR AND Ry=8
<b>R6</b>	Rx=2 lbs SHEAR AND Ry=2
<b>R7</b>	Rx=2 lbs SHEAR AND Ry=0
<b>R8</b>	Rx=2 lbs SHEAR AND Ry=2
<b>R9</b>	Rx=29 lbs SHEAR AND Ry=
(R10)	Rx=29 lbs SHEAR AND Ry=
R	EXISTING ROOF FRAMING
	IMUM HEIGHT REFERS TO M BUILDINGS.

