

THE TACO SPOT
581 CALIFORNIA STATE HIGHWAY 49, SUTTER CREEK, CA 95685
(AMADOR COUNTY, CA)
30' X 45' X 9'

SCOPE OF PLANS:

- 1. TO PROVIDE STRUCTURAL DESIGN FOR THE PRE-FAB METAL BUILDING PER THE SPECIFIED DESIGN LOADS, AND APPLICABLE BUILDING CODES. ANY DISCREPANCIES IN DESIGN LOADS SHALL BE BROUGHT TO THE ATTN. OF THE ENGINEER OF RECORD.
- 2. DOES NOT PROVIDE ANY ARCHITECTURAL, SITE, ZONING, HVAC, ELEC, MECH DESIGN OR REQUIREMENTS. THESE ITEMS MUST BE ADDRESSED BY THEIR RESPECTIVE PROFESSIONALS IN CHARGE.

GENERAL STRUCTURAL DESIGN NOTES

- 1. THIS STRUCTURE IS DESIGNED FOR NON-HABITABLE USE. NO PERSONS ARE ALLOWED TO LIVE IN THIS BUILDING OR USE IT AS A LIVING SPACE. ONLY INCIDENTAL OCCUPANCY IS PERMITTED.
- 2. ALL WELDS ARE TO BE SHOP WELDS. FIELD WELDING IS NOT PERMITTED NOR REQUIRED. WELDING ELECTRODES PER AWS CODE, E70XX UNLESS NOTED OTHERWISE ON PLANS.
- 3. LIGHT GAUGE TUBING SHALL BE EITHER (OR EQUAL): ASTM A513-1035 (FY = 50 KSI, FU = 66 KSI) OR ASTM A500 GRADE C (FY = 50 KSI, FU = 65 KSI). ALL CHANNELS SHALL BE A653 (HSLA) GRADE 50 STEEL (FY = 50 KSI, FU = 65 KSI) OR EQUAL. HOT ROLLED STEEL SHAPES (FY = 36 KSI, BASE ANGLES) EXPOSED TO THE ELEMENTS, SHALL HAVE ONE COAT OF RUST PROOF PRIMER FOLLOWED BY TWO COATS OF PAINT.
- 4. ALL STRUCTURAL FIELD CONNECTIONS SHALL BE #12-14 x 3/4" SDS PER ESR-2196 U.N.O. REF. TO DESIGN NOTES ON SHEET 2 FOR SHEATHING FASTENER TYPE.
- 5. ADEQUATE BRACING DURING ALL STAGES OF CONSTRUCTION IS REQUIRED. STRUCTURE AND FOUNDATION ARE DESIGNED FOR COMPLETED CONDITION ONLY. ADDITIONAL SUPPORT TO MAINTAIN STABILITY IS REQUIRED IN CASE OF ROOF ACCESS FOR MAINTENANCE.
- 6. GYPSUM BOARD OR DRYWALL FINISH OR ANY BRITTLE BASE MATERIAL IS NOT CONSIDERED OR ACCOUNTED FOR ON THE DESIGN CRITERIA OF THIS STRUCTURE, U.N.O.

STRUCTURAL DESIGN CRITERIA

PREVAILING CODE:	CBC 2022
OCCUPANCY / USE GROUP:	U (CARPORT / SHED)
CONSTRUCTION TYPE:	V B (ANY MAT'L - IBC 602.5)
RISK CATEGORY:	I
BUILDING FOOTAGE:	1350 SQ.FT
1. DEAD LOAD (D)	
COLLATERAL LOAD	2.0 PSF
2. ROOF LIVE LOAD (Lr)	Lr = 20 PSF
3. SNOW LOAD (S)	
GROUND SNOW LOAD	Pg = 30 PSF
IMPORTANCE FACTOR	Is = 0.80
THERMAL FACTOR	Ct = 1.2
EXPOSURE FACTOR	Ce = 1.0
ROOF SLOPE FACTOR	Cs = 1.0
FLAT ROOF SNOW LOAD	Pf = 20 PSF
SLOPED ROOF SNOW LOAD	Ps = 20 PSF
4. WIND LOAD (W)	
DESIGN WIND SPEED	V = 88 MPH
EXPOSURE	C
5. SEISMIC LOAD (E)	
Ss / S1	0.363/0.192
SDs / SD1	0.366/0.284
DESIGN CATEGORY	D
SITE CLASS	D (DEFAULT)
IMPORTANCE FACTOR	Ie = 1.00

STRUCTURAL DRAWING INDEX

- 1 COVER SHEET
- 2 ELEVATIONS
- 3A FOUNDATION PLAN & NOTES
- 3B FOUNDATION DETAILS & NOTES
- 4 COLUMN LAYOUT PLAN & DETAILS
- 5A FRAME SECTION & DETAILS
- 5B FRAME SECTION DETAILS
- 6A SIDE WALL FRAMING
- 6B SIDE WALL DETAILS
- 7A END WALL FRAMING
- 7B..... END WALL DETAILS

REVISIONS LIST		
MARK	COMMENTS	DATE
-	ISSUED FOR PERMIT	NOV 04 2024

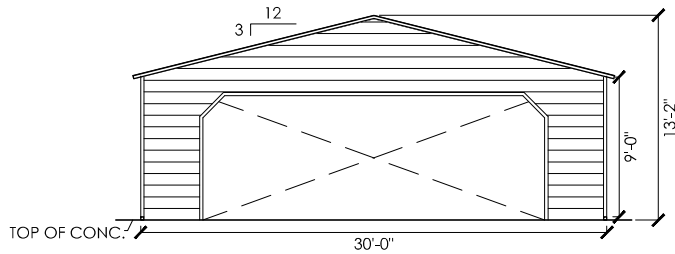
STATEMENT OF SPECIAL INSPECTIONS	REQ'D	PERIODIC/CONTINUOUS	
		P	C
ANCHORAGE			
1. POST-INSTALLED CONCRETE ANCHOR BOLTS (PER ICC-ESR REQUIREMENTS - REF SHEET 3B)	Y	X	-
THE OWNER SHALL HIRE LICENSED SPECIAL INSPECTOR AT THEIR OWN COST. THE OWNER MAY BRING TO THE ATTENTION OF THE ENGINEER, ANY ISSUES OF CONCERN NOTED BY THE INSPECTOR.			

Rafael D Salgado
I am the author of this document
Toledo, OH
2024.11.06 14:26:56-05'00'

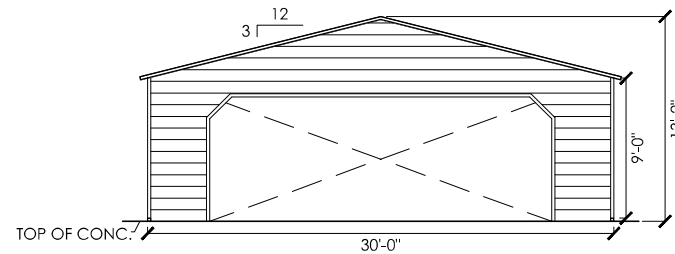
COVER SHEET
PROJECT NO: 233-24-2965
DRAWN BY: S.O.
DATE: 11/04/2024
LOCATION: 581 CALIFORNIA STATE HIGHWAY 49 SUTTER CREEK, CA 95685
PROJECT TITLE: THE TACO SPOT
SHEET TITLE: METAL BUILDING MANUFACTURER
AMERICAN CARPORTS, INC.
457 N. Broadway, Joshua, TX 76058
1-866-730-8865

WARNING: Unauthorized copy or use of the seal below is considered forgery subject to legal action to the fullest extent of the law and/or fines.

THE TACO SPOT
581 CALIFORNIA STATE HIGHWAY
SUTTER CREEK, CA 95685
REGISTERED PROFESSIONAL ENGINEER
CIVIL
RAFAEL D. SALGADO
C95761
STATE OF CALIFORNIA
EXPIRES: 3/31/2026
SIGNED: NOV 04 2024



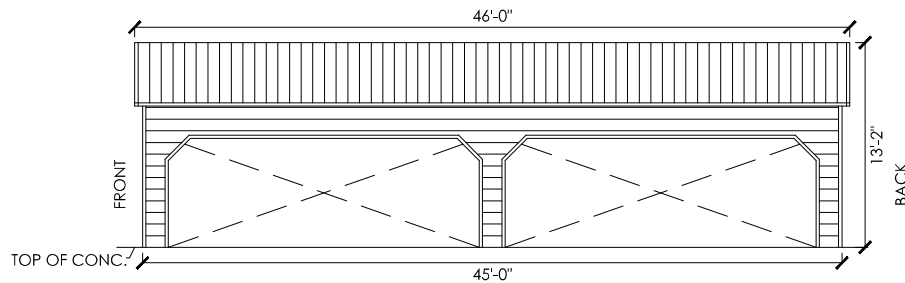
FRONT END WALL ELEVATION
SCALE: 1/8" : 1'



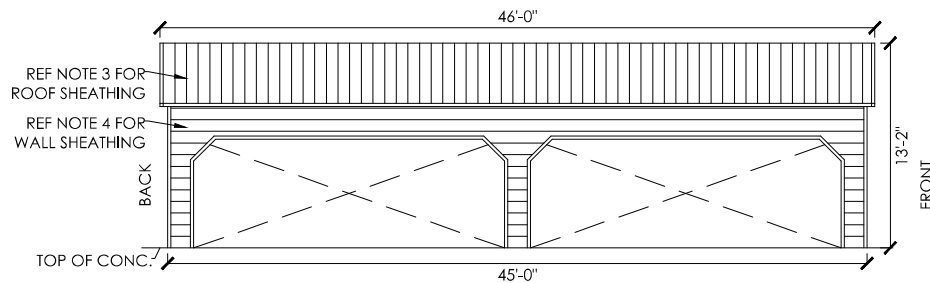
BACK END WALL ELEVATION
SCALE: 1/8" : 1'

DESIGN NOTES


1. THE INTENTION OF ELEVATIONS PROVIDED ON THIS SHEET IS TO INDICATE STRUCTURAL COMPONENTS, DIMENSIONS, AND BUILDING ORIENTATION ONLY.
2. ARCHITECTURAL DESIGN REQUIREMENTS ARE NOT COVERED IN THIS PLAN SET. THESE DESIGN REQUIREMENTS SHALL BE ADDRESSED IN A SEPARATE ARCHITECTURAL SET BY RESPONSIBLE LICENSED PROFESSIONALS IN CHARGE, AS NEEDED.
3. ALL EXT **ROOF** SHEATHING SHALL BE:
CLASS A RATED 29GA. **3/4" RIB HT** - GALV. OR PAINTED STEEL (FY=80 KSI) OR EQ.
(REF. SHT 5 FOR PROFILE AND FASTENER SCHD.)
4. ALL EXT **WALL** SHEATHING SHALL BE:
CLASS A RATED 29GA. **3/4" RIB HT** - GALV. OR PAINTED STEEL (FY=80 KSI) OR EQ.
(REF. SHT 5 FOR PROFILE AND FASTENER SCHD.)
5. **SHEATHING CONNECTIONS SHALL BE #12-14 X 3/4" SDS W/ BONDED NEOPRENE WASHER PER ESR 2196.**



RIGHT SIDE WALL ELEVATION
SCALE: 1/8" : 1'



LEFT SIDE WALL ELEVATION
SCALE: 1/8" : 1'

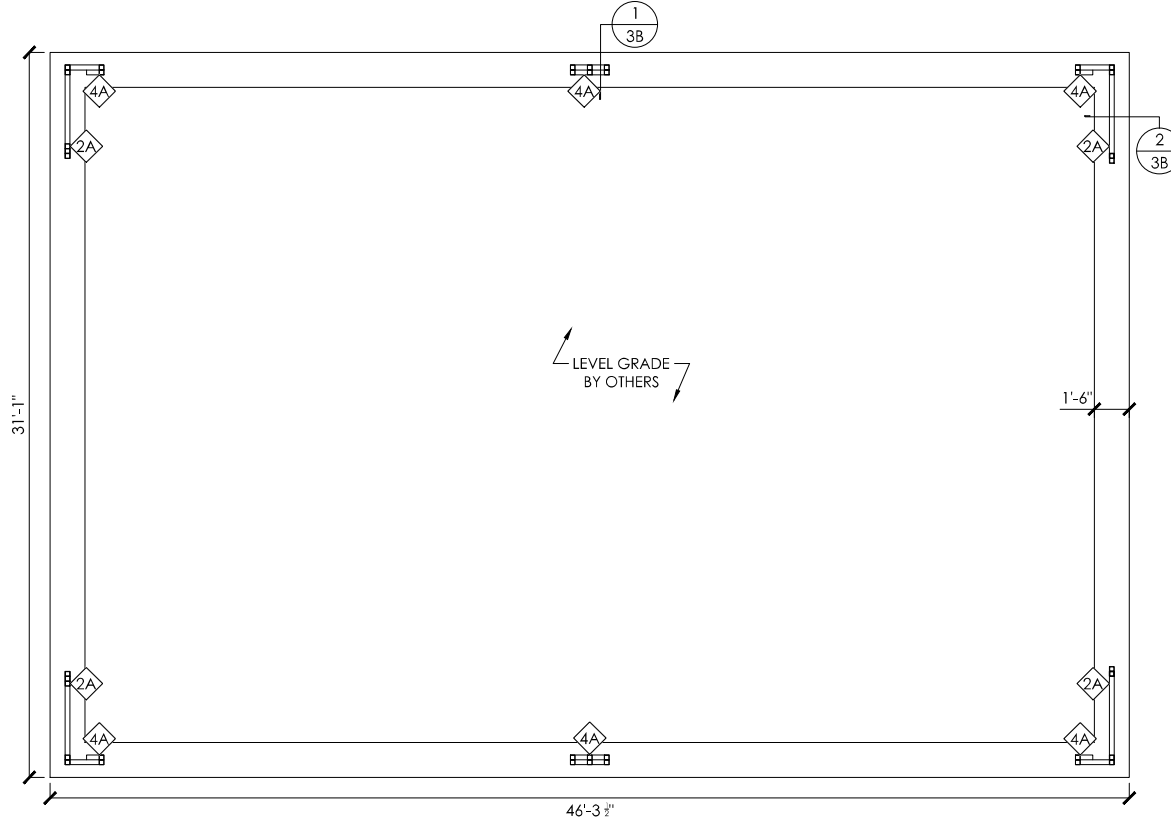
SHEET NO: 2 OF 7	
PROJECT NO: 233-24-2965	
DRAWN BY: S.O.	DATE: 11/04/2024
SHEET TITLE: ELEVATIONS	LOCATION: 581 CALIFORNIA STATE HIGHWAY 49 SUTTER CREEK, CA 95685
	PROJECT TITLE: THE TACO SPOT
METAL BUILDING MANUFACTURER  457 N. Broadway, Joshua, TX 76058 1-866-730-9865	

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SUTTER CREEK, CA 95685



EXPIRES: 3/31/2026
SIGNED: NOV. 04 2024



FOUNDATION PLAN

SCALE: 3/16" : 1'

CONCRETE ANCHORAGE	
	(2) 1/2"Ø X 7" LG. POWER BULL WEDGEANCHOR (PER ESR 2254)
	(4) 1/2"Ø X 7" LG. POWER BULL WEDGEANCHOR (PER ESR 2254)

FOUNDATION NOTES:

- CONCRETE ANCHORS SHALL BE LOCATED AS SHOWN ON THE FOUNDATION PLAN. A MINIMUM OF (2) ANCHORS ARE REQUIRED NEXT TO EVERY POST AND ON EITHER SIDE OF OPENINGS. MINIMUM (2) ANCHORS ARE REQUIRED AT CORNERS OF ENCLOSED BUILDINGS, (1) ON EACH BASE RAIL.
- MIN. FOOTING DEPTH NEEDED TO RESIST BUILDING LOADS IS INDICATED ON FOUNDATION DETAILS. HOWEVER, A GREATER FOOTER DEPTH MAYBE REQUIRED TO MEET THE LOCAL FROST LINE DEPTH PER CODE.
- DEPTH OF FOOTINGS SHALL EXTEND INTO UNDISTURBED SOIL OR COMPACTED ENGINEERING FILL.
- ASSUMED SOIL BEARING CAPACITY IS TO BE A MIN. OF 1500 PSF.
- CONC STRENGTH TO BE A MIN OF 3000 PSI @ 28 DAYS FOR MODERATE WEATHERING POTENTIAL. SPECIAL INSPECTION IS NOT REQUIRED AS ALL CONC FOUNDATION DESIGN IS BASED ON A MAX COMPRESSIVE STRENGTH OF 2500 PSI @ 28 DAYS.

SHEET NO: 3A OF 7	
PROJECT NO: 233-24-2965	
DRAWN BY: S.O.	DATE: 11/04/2024

FOUNDATION PLAN & NOTES

LOCATION:
581 CALIFORNIA STATE HIGHWAY 49
SUTTER CREEK, CA 95685

PROJECT TITLE:
THE TACO SPOT

METAL BUILDING
MANUFACTURER



457 N. Broadway,
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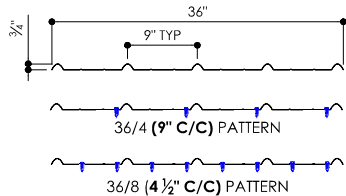
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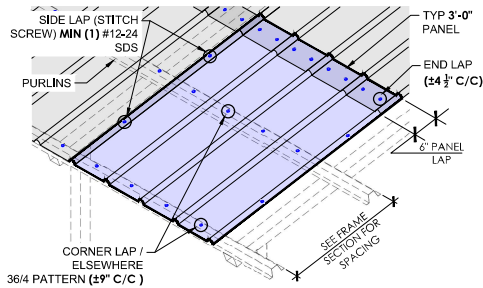
MEMBER PROPERTIES				
COLUMN POST	(2) 2 1/2" SQ. X 14GA TUBE - STITCH WELDED			
ROOF MEMBER	2 1/2" SQ. X 14GA TUBE			
BASE RAIL	2 1/2" SQ. X 14GA TUBE			
PEAK BRACE	2 1/2" SQ. X 14GA TUBE			
KNEE BRACE	(2) 4" X 1" X 14GA HAT CHANNEL			
CONNECTOR SLEEVE	2 1/4" SQ. X 12GA TUBE			
PURLINS	4" X 1" X 14GA HAT CHANNEL			
SHEATHING FASTENER SCHEDULE				
LOCATION	CORNER PANEL	SIDE LAPS	EDGE LAPS	ELSEWHERE
SPACING	9" CC	MIN. 1	4 1/2" CC	9" CC

REF. DESIGN NOTE ON SHEET 2 FOR SHEATHING FASTENER TYPE.



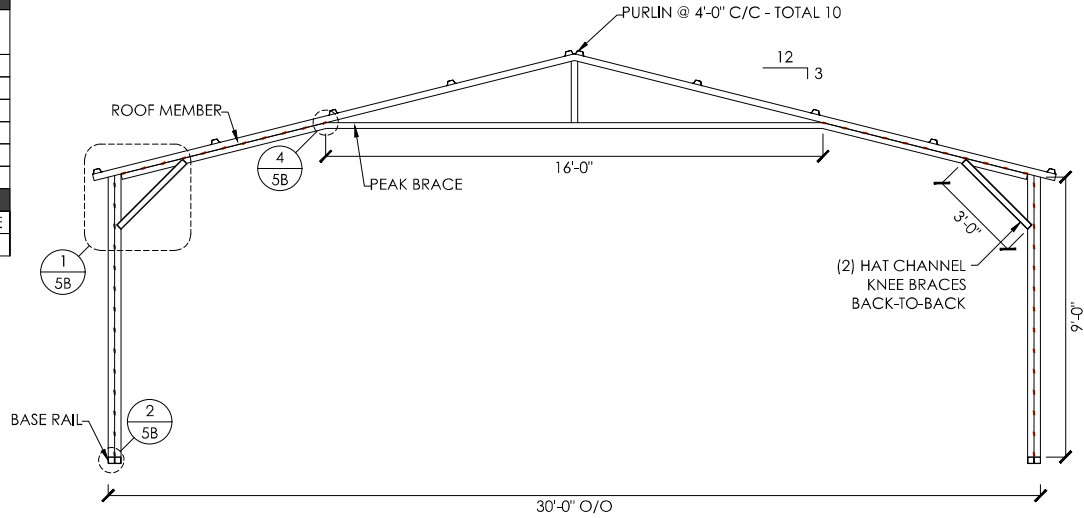
36GA. - 3/4" RIB - CORRUGATED SHEET

SCALE: 3/4" : 1'



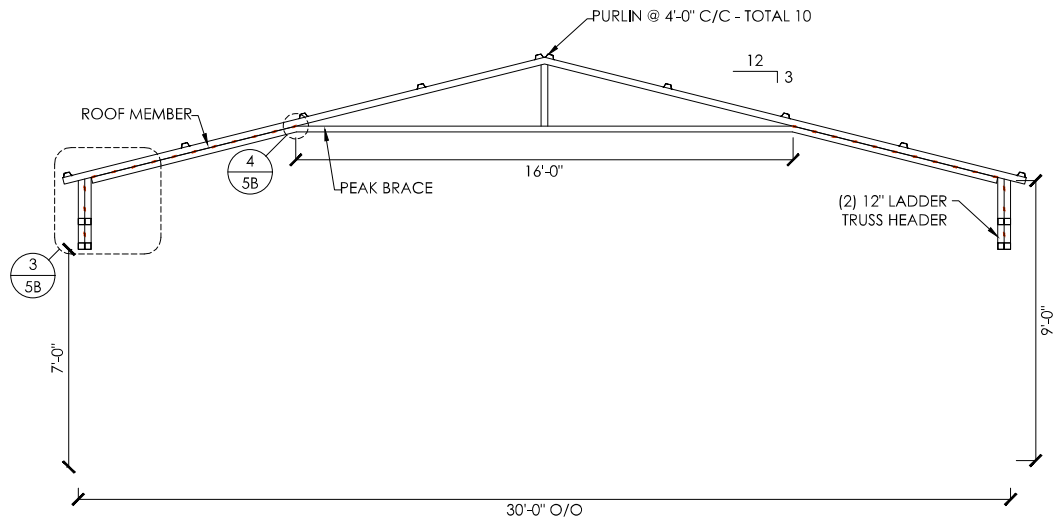
SHEATHING FASTENER PATTERN

SCALE: 3/16" : 1'



FRAME 'A' SECTION

SCALE: 1/4" : 1'



FRAME 'B' SECTION

SCALE: 1/4" : 1'

SHEET NO.	5A OF 7
PROJECT NO.	233-24-2965
DRAWN BY:	S.O.
DATE:	11/04/2024

SHEET TITLE:	FRAME SECTION & DETAILS
	PROJECT TITLE: THE TACO SPOT
LOCATION:	581 CALIFORNIA STATE HIGHWAY 49 SUTTER CREEK, CA 95685

METAL BUILDING
MANUFACTURER

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C95761
STATE OF CALIFORNIA

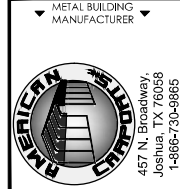
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581 CALIFORNIA STATE HIGHWAY
SUTTER CREEK, CA 95685

EXPIRES: 3/31/2026
SIGNED : NOV.04.2024

FRAME SECTION DETAILS

LOCATION: 581 CALIFORNIA STATE HIGHWAY 49
 SUTTER CREEK, CA 95685

PROJECT TITLE: THE TACO SPOT

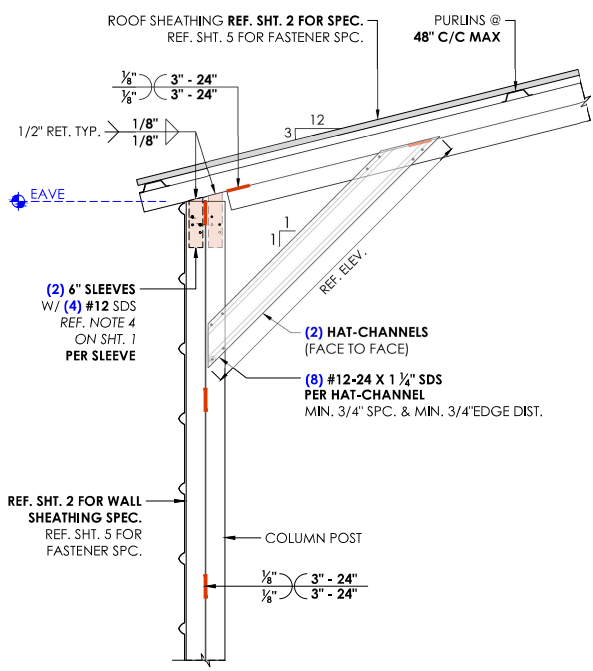


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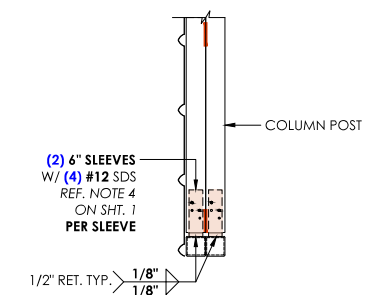
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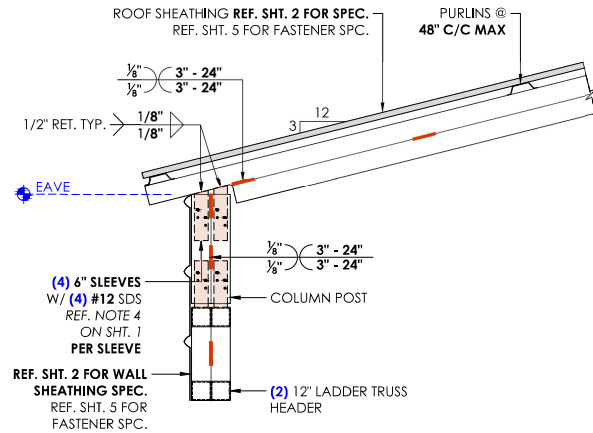
EXPIRES: 3/31/2026
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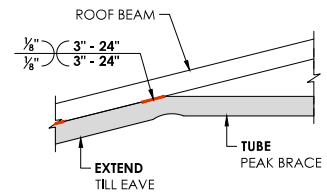
1 FRAME DETAIL
 SCALE: 3/4" : 1'



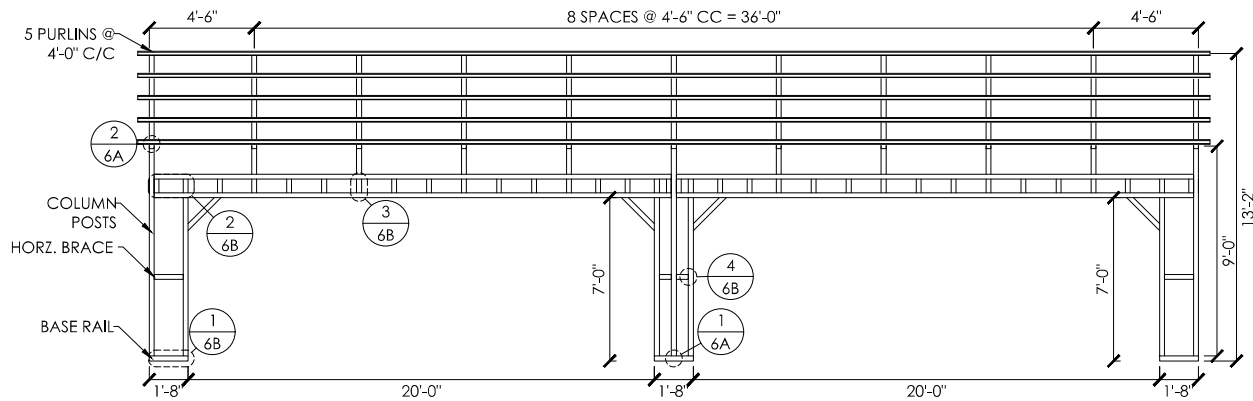
2 BASE DETAIL
 SCALE: 3/4" : 1'



3 FRAME DETAIL
 SCALE: 3/4" : 1'

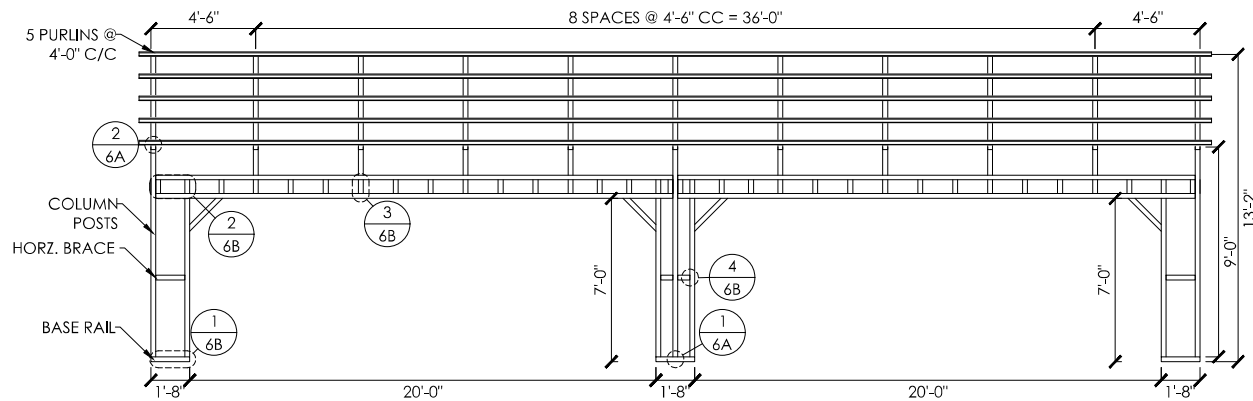


4 PEAK BRACE DETAIL
 SCALE: 3/4" : 1'



RIGHT SIDE WALL FRAMING

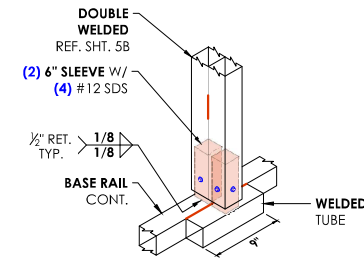
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LEFT SIDE WALL FRAMING

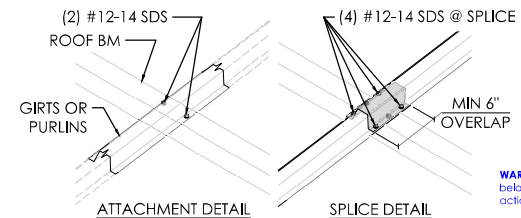
SCALE: 3/16" : 1'

MEMBER PROPERTIES	
CORNER POST	(2) 2 1/2" SQ. X 14GA TUBE - STITCH WELDED
SIDE WALL POST	(2) 2 1/2" SQ. X 14GA TUBE - STITCH WELDED
BASE RAIL	2 1/2" SQ. X 14GA TUBE
CONNECTOR SLEEVE	2 1/4" SQ. X 12GA TUBE
PURLINS	4" X 1" X 14GA HAT CHANNEL
TRUSS HEADER	(2) 2 1/2" SQ. X 14GA TUBE W/ 12" TRUSS
HORZ. BRACE	2 1/4" SQ X 14GA TUBE



1 COLUMN-BASE DETAIL

SCALE: 3/4" : 1'



2 GIRT/PURLIN DETAIL

SCALE: 3/4" : 1'

SHEET NO: **6A OF 7**

PROJECT NO: 233-24-2965

DRAWN BY: S.O. DATE: 11/04/2024

SIDE WALL FRAMING

LOCATION:
581 CALIFORNIA STATE HIGHWAY 49
SUTTER CREEK, CA 95685

PROJECT TITLE:
THE TACO SPOT

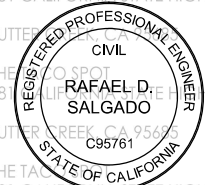
METAL BUILDING MANUFACTURER



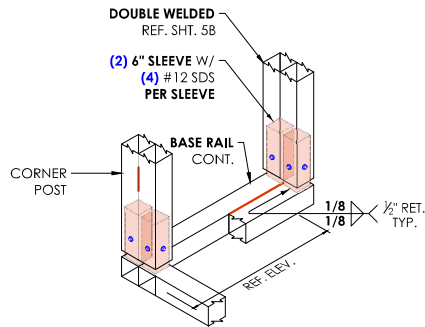
457 N. Broadway,
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1-866-730-9865

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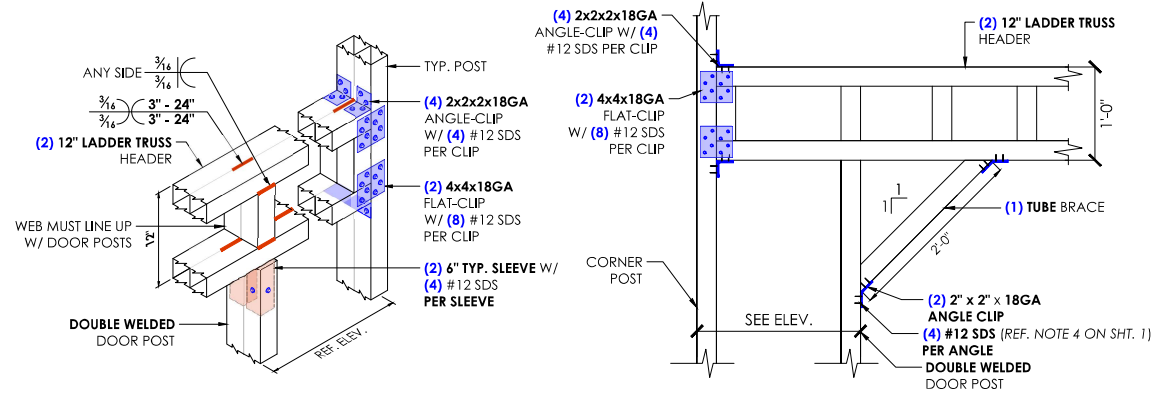
THE TACO SPOT
581 CALIFORNIA STATE HIGHWAY
SUTTER CREEK, CA 95685
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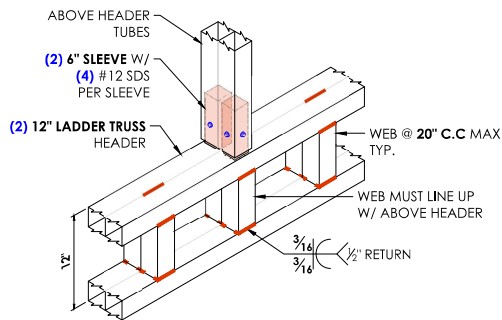
EXPIRES: 3/31/2026
SIGNED: NOV. 04 2024



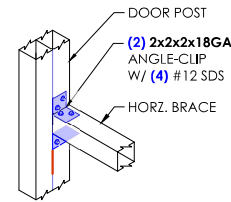
1 DOOR BASE DETAIL
SCALE: 3/4" : 1'




2 DOOR HEADER DETAIL
SCALE: 3/4" : 1'



3 ABOVE HEADER DETAIL
SCALE: 3/4" : 1'



4 HORZ. BRACE DETAIL
SCALE: 3/4" : 1'

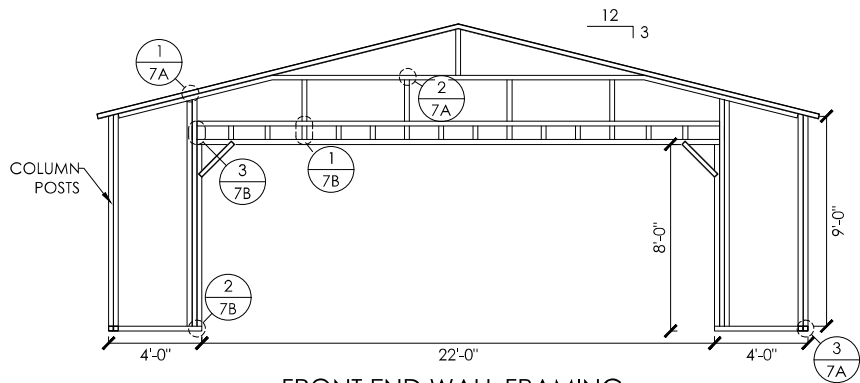
SHEET NO: 6B OF 7	
PROJECT NO: 233-24-2965	
DRAWN BY: S.O.	DATE: 11/04/2024
SIDE WALL FRAMING DETAILS LOCATION: 581 CALIFORNIA STATE HIGHWAY 49 SUTTER CREEK, CA 95685 PROJECT TITLE: THE TACO SPOT METAL BUILDING MANUFACTURER:  457 N. Broadway, Joshua, TX 76058 1-866-730-9865	

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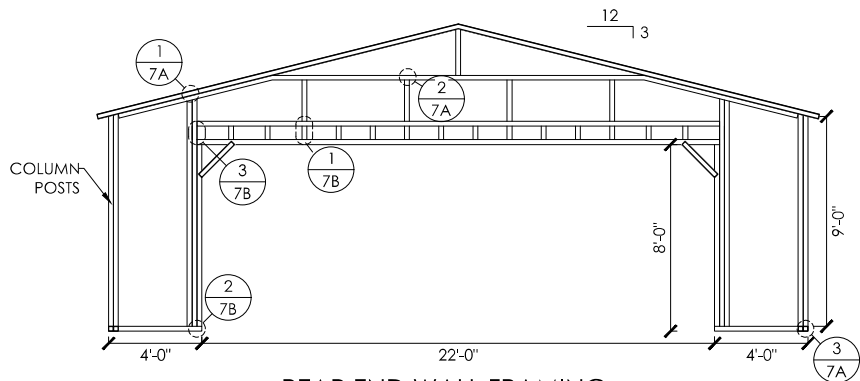


EXPIRES: 3/31/2026
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FRONT END WALL FRAMING

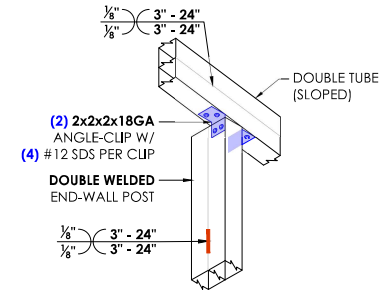
SCALE: 3/16" : 1"



REAR END WALL FRAMING

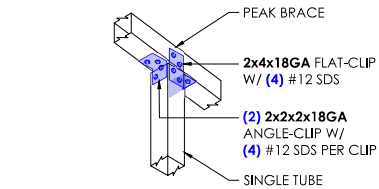
SCALE: 3/16" : 1"

MEMBER PROPERTIES	
CORNER POST	(2) 2 1/2" SQ. X 14GA TUBE - STITCH WELDED
ROOF MEMBER	2 1/2" SQ. X 14GA TUBE
BASE RAIL	2 1/2" SQ. X 14GA TUBE
TRUSS HEADER	(2) 2 1/2" SQ. X 14GA TUBE W/ 12" TRUSS
DOOR POST	2 1/2" SQ. X 14GA TUBE
END WALL POSTS	2 1/2" SQ. X 14GA TUBE
PEAK BRACE	2 1/2" SQ. X 14GA TUBE



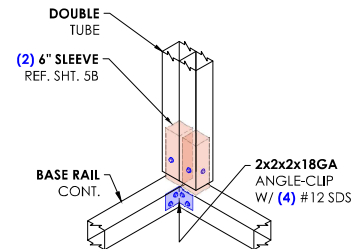
1 ROOF MEMBER DETAIL

SCALE: 3/4" : 1"



2 PEAK BRACE DETAIL

SCALE: 3/4" : 1"



3 CORNER DETAIL

SCALE: 3/4" : 1"

SHEET NO: **7A OF 7**

PROJECT NO: **233-24-2965**

DRAWN BY: **S.O.** DATE: **11/04/2024**

END WALL FRAMING & DETAILS

LOCATION: **581 CALIFORNIA STATE HIGHWAY 49
SUTTER CREEK, CA 95685**

PROJECT TITLE: **THE TACO SPOT**

METAL BUILDING MANUFACTURER



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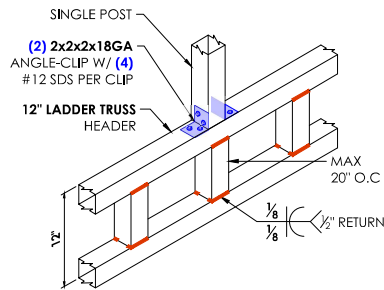
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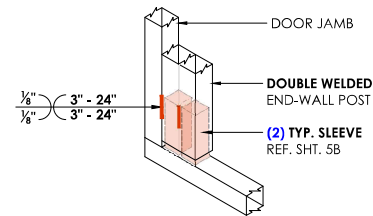
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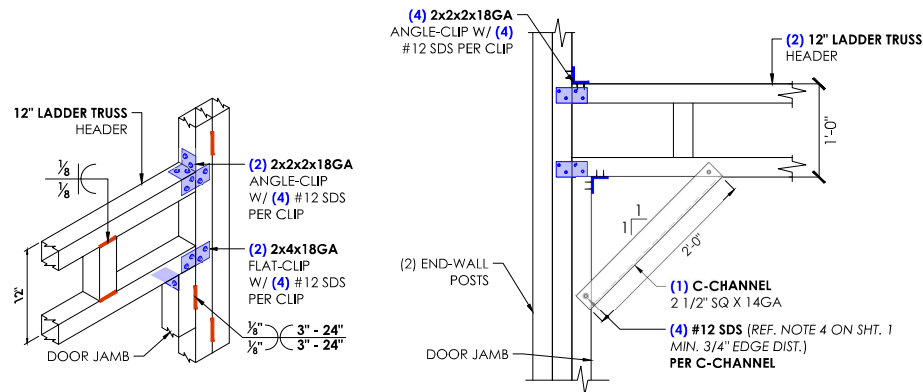
SUTTER CREEK, CA 95685



1 ABOVE HEADER DETAIL
SCALE: 3/4" : 1'



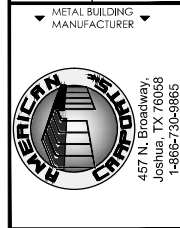
2 DOOR BASE DETAIL
SCALE: 3/4" : 1'



3 DOOR HEADER DETAIL
SCALE: 3/4" : 1'

SHEET NO: 7B OF 7
PROJECT NO: 233-24-2965
DRAWN BY: S.O. DATE: 11/04/2024

END WALL FRAMING DETAILS
LOCATION: 581 CALIFORNIA STATE HIGHWAY 49
SUTTER CREEK, CA 95685
PROJECT TITLE: THE TACO SPOT



WARNING: Unauthorized copy or use of the seal below is considered forgery subject to legal action to the fullest extent of the law and/or fines.

THE TACO SPOT
581 CALIFORNIA STATE HIGHWAY
SUTTER CREEK, CA 95685
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581 CALIFORNIA STATE HIGHWAY
SUTTER CREEK, CA 95685



EXPIRES: 3/31/2026
SIGNED: NOV 04 2024