

# MILAM AUTO

608 RIVER RD  
PUYALLUP, WA 98371  
30' X 35' X 14'

## DESIGN NOTES

- ALL CONSTRUCTION SHALL BE PROVIDED IN ACCORDANCE WITH IBC 2018, ASCE7-16, OSHA, AISC 360, AISI 100, AWS D1.3 CODES AND ALL APPLICABLE LOCAL REQUIREMENTS.
- BASE CONNECTIONS SHALL BE PROVIDED AS SHOWN ON FOUNDATION DETAILS SHEET.
- ALL MATERIALS IDENTIFIED BY MANUFACTURER NAME MAY BE SUBSTITUTED WITH MATERIAL EQUAL OR EXCEEDING ORIGINAL.
- ALL SHOP CONNECTIONS SHALL BE WELDED CONNECTIONS. NO FIELD WELDING IS REQUIRED.
- ALL FIELD CONNECTIONS SHALL BE #12 (1/4"x1") (ESR-2196) OR APPROVED EQUAL.
- STEEL SHEATHING SHALL BE 29GA. CORRUGATED GALV. OR PAINTED STEEL - MAIN RIB HT. 3/4" (FY=80KSI) OR EQ.
- ALL STRUCTURAL LIGHT GAUGE TUBING AND CHANNELS SHALL BE GRADE 50 GALV. STEEL (FY = 50 KSI, FU = 65 KSI) PER RELEVANT ASTM.
- STRUCTURAL TUBE TS 2 1/2" X 2 1/2" - 14GA. IS EQUIVALENT TO TS 2 1/4" X 2 1/4" - 12GA AND EITHER ONE MAY BE USED IN LIEU OF THE OTHER.
- 12GA IS DEFINED AS 0.109" THICKNESS. 14GA IS DEFINED AS 0.083" THICKNESS. 26GA IS DEFINED AS 0.019" THICKNESS. 29GA IS DEFINED AS 0.015" THICKNESS.
- 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.

## DESIGN CRITERIA

PREVAILING CODE:	WSBC (IBC 2018)
USE GROUP:	U (CARPORTS, BARNS)
CONSTRUCTION TYPE:	II - B
RISK CATEGORY:	I
BUILDING FOOTAGE:	1050 SQ.FT
1. DEAD LOAD (D)	D = 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	Vult = 110 MPH
EXPOSURE	C
5. SEISMIC LOAD (E)	
Ss / S1	1.277/0.439
SDs / SD1	1.022/NULL
DESIGN CATEGORY	
SITE CLASS	D (DEFAULT)
IMPORTANCE FACTOR	Ie = 1.00

### ASD LOAD COMBINATIONS:

- D + (Lr OR S)
- D + (0.6W OR ±0.7E)
- D + 0.75 (0.6W OR ±0.7E) + 0.75 (Lr OR S)
- 0.6D + (0.6W OR ±0.7E)

## SCOPE OF WORK

- THIS PLAN SET IS LIMITED IN SCOPE TO THE FIELD OF STRUC. ENGINEERING 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.
- ALL WORKS RELATED BUT NOT LIMITED TO ARCH. / SITE / HVAC / ELEC. / MECH. / ZONING AND EXIST. FOUNDATIONS, ARE BEYOND THE SCOPE OF THIS PLANS SET, AND MUST BE ADDRESSED BY RESPONSIBLE PROFESSIONALS IN CHARGE.

## DRAWING INDEX

- COVER SHEET
- ELEVATIONS
- FOUNDATION PLAN
- FOUNDATION DETAILS
- FLOOR PLAN & DETAILS
- FRAME SECTION & DETAILS
- SIDE WALL FRAMING
- SIDE WALL DETAILS
- END WALL FRAMING
- END WALL DETAILS

## SPECIAL INSPECTIONS

NO SPECIAL INSPECTIONS ARE REQUIRED FOR THIS STRUCTURE, AS IT MEETS THE EXCEPTIONS OF SECTION 1704 PER WSBC (IBC 2018), UNLESS EXPLICITLY REQUIRED BY THE BUILDING OFFICIAL.

## REVISIONS

MARK	COMMENTS	DATE
-	ISSUED FOR PERMIT & CONST.	NOV 04 2021

2.0.276.0

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OWNER:	MILAM AUTO	LOCATION:	608 RIVER RD PUYALLUP, WA 98371
COVER SHEET			
DRAWING NO.:	MBDDCA820C7	PROJECT NO.:	233-21-3409
DRAWN BY:	MJ	CHECKED BY:	
DATE:	11/4/2021	SHEET NO.:	1 OF 7

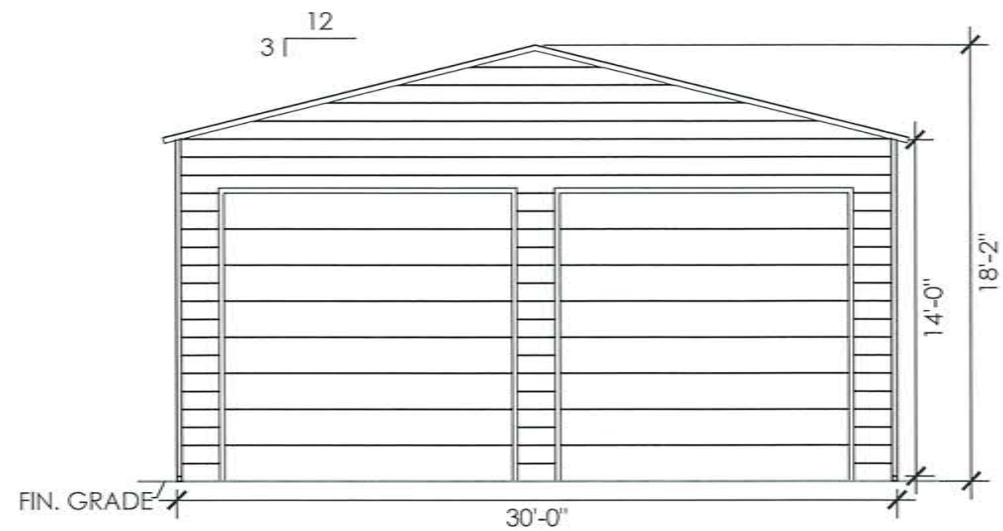
PREPARED FOR:

AMERICAN CARPORTS INC.  
457 N. Broadway,  
Joshua, TX 76058  
1-866-730-9865

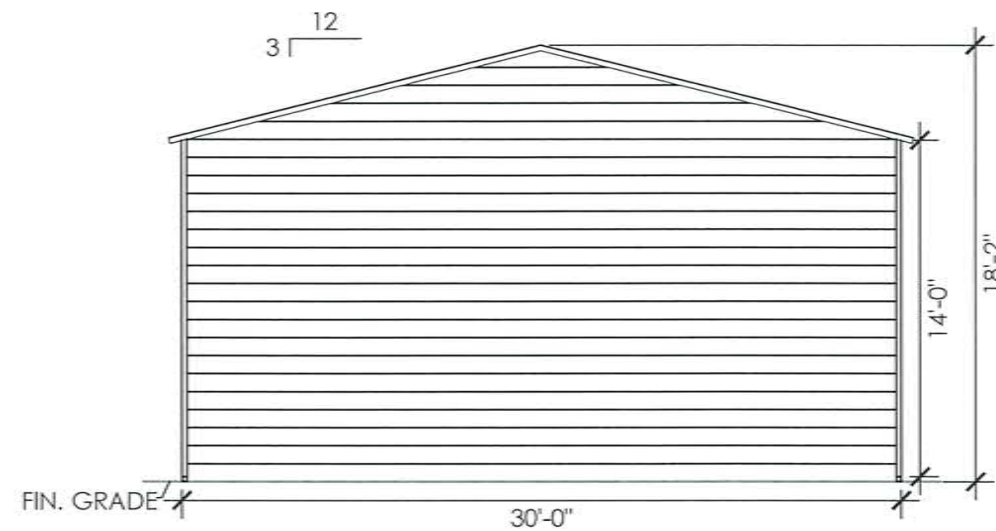
SEAL:

SAADY AMIN  
STATE OF WASHINGTON  
57344  
REGISTERED PROFESSIONAL ENGINEER

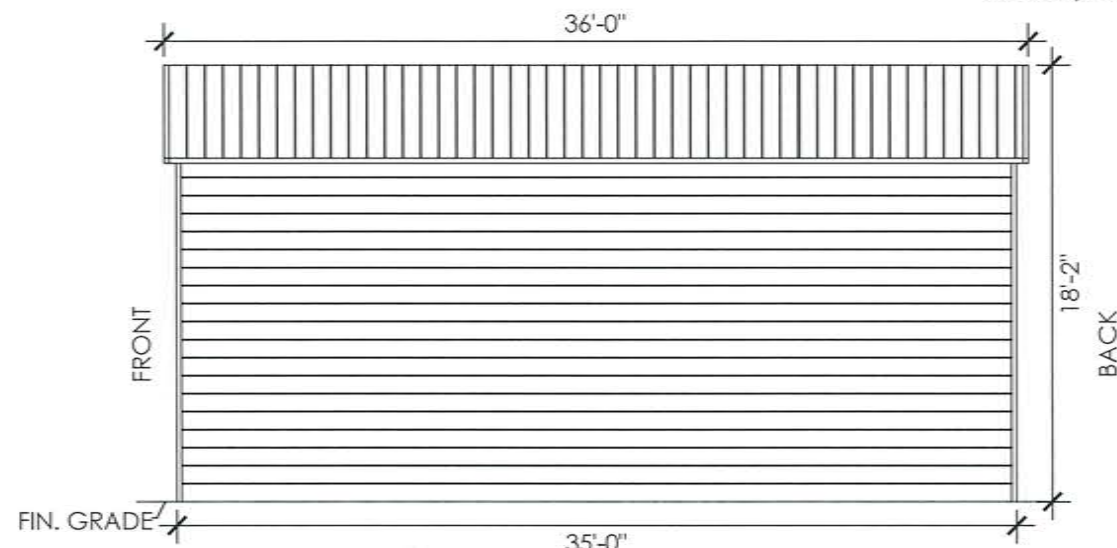
EXPIRES: 1/3/2022  
DATE SIGNED: NOV 04 2021



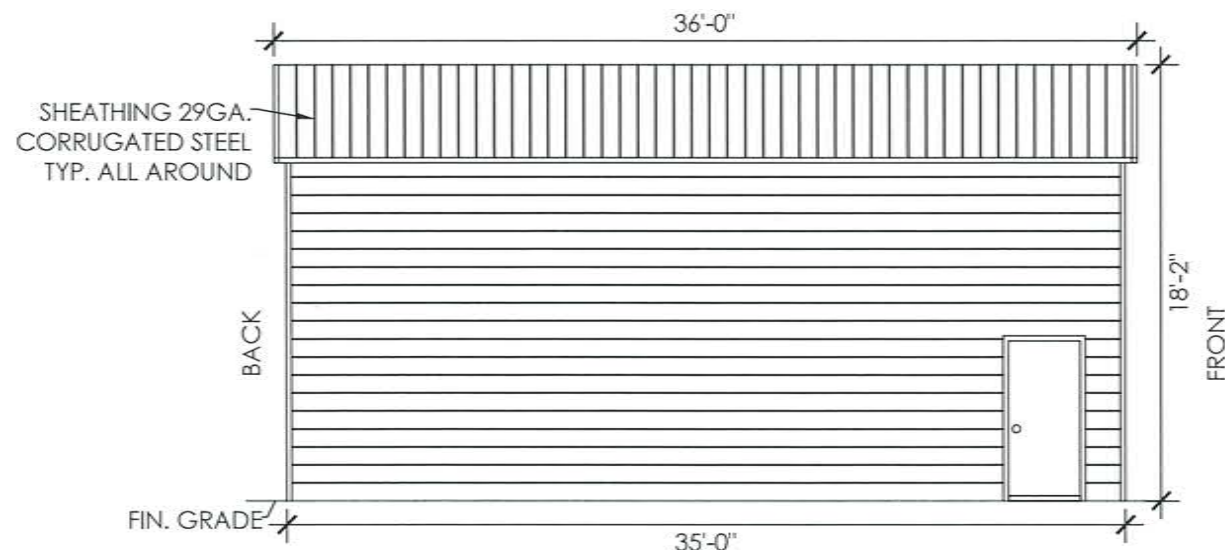
**FRONT END WALL ELEVATION**  
SCALE: 1/8" : 1"



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



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



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

Please clarify the proposed elevations by identifying north, south, east, west for each elevation [plans, pg. 2]

LOCATION:  
608 RIVER RD  
PUYALLUP, WA 98371

OWNER:  
MILAM AUTO

**ELEVATIONS**

PROJECT NO.: 233-21-3409

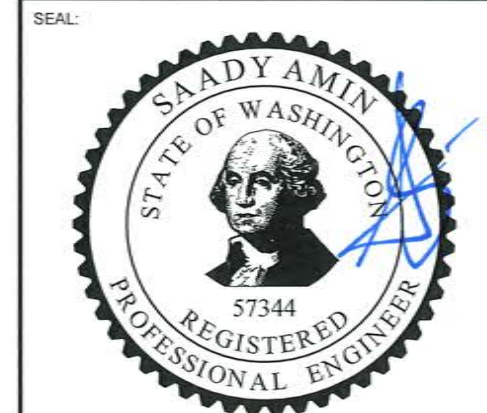
CHECKED BY:

MBDDCA820C7

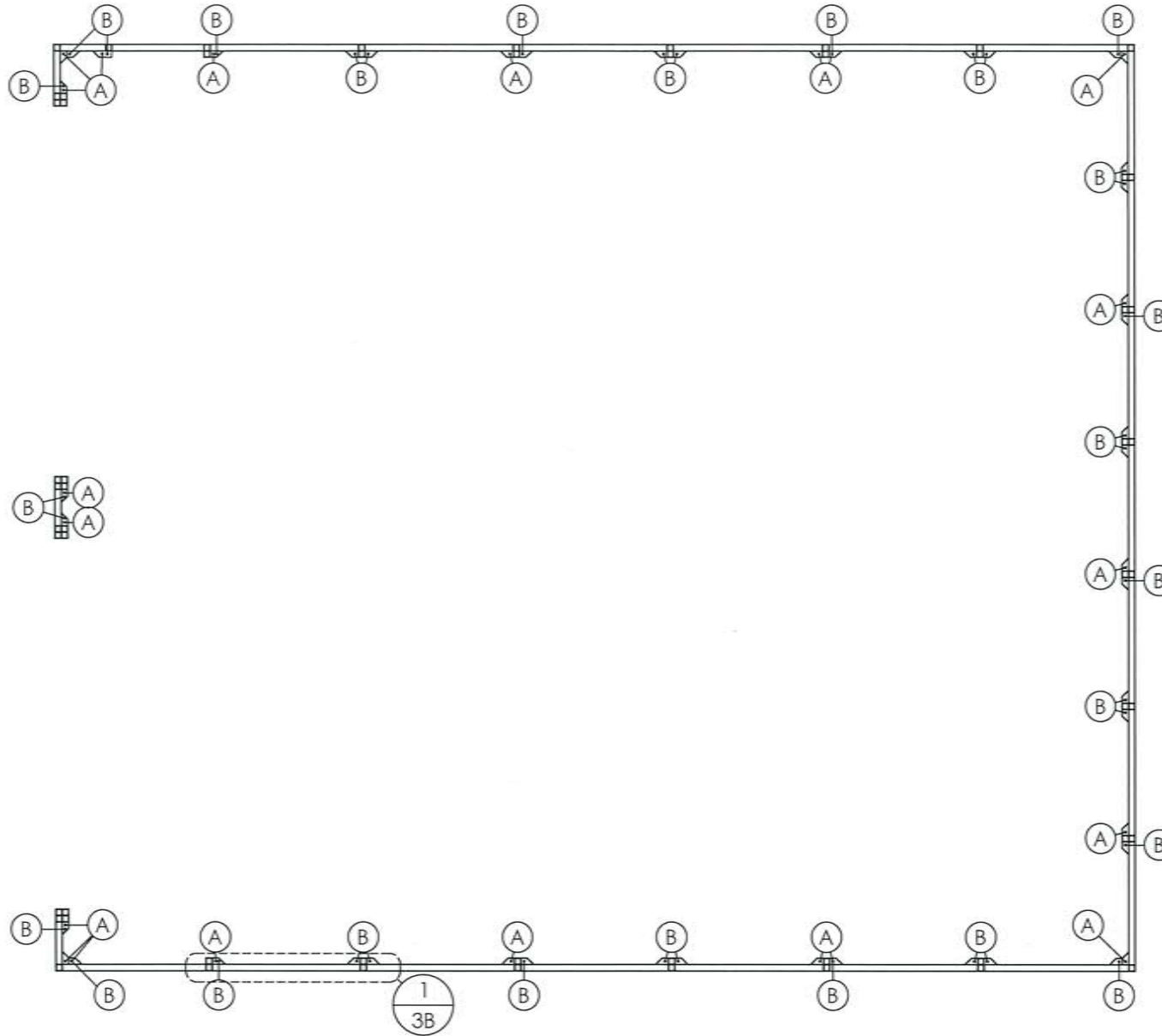
DRAWN BY:  
MJ

DATE:  
11/4/2021

SHEET NO.: 2 OF 7



EXPIRES: 1/3/2022  
DATE SIGNED: NOV 04 2021



**FOUNDATION PLAN**  
SCALE: 3/16" : 1'

MEMBER PROPERTIES	
BASE RAIL	2 1/2" SQ. X 14GA TUBE
COLUMN POST	(2) 2 1/2" SQ. X 14GA TUBE - STITCH WELDED
ROCK ANCHORS	
ANCHOR 'A'	HP9 ROCK ANCHOR
ANCHOR 'B'	3/4"Ø X 30" THRD. ROD EMBED. IN EARTH

OWNER:	MILAM AUTO	LOCATION:	608 RIVER RD PUYALLUP, WA 98371
SHEET TITLE:	FOUNDATION PLAN: <b>ROCK</b>		
DRAWING NO.:	MBDDCA820C7	PROJECT NO.:	233-21-3409
DRAWN BY:	MJ	CHECKED BY:	
DATE:	11/4/2021	SHEET NO.:	3A OF 7

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Joshua, TX 76058  
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SEAL:

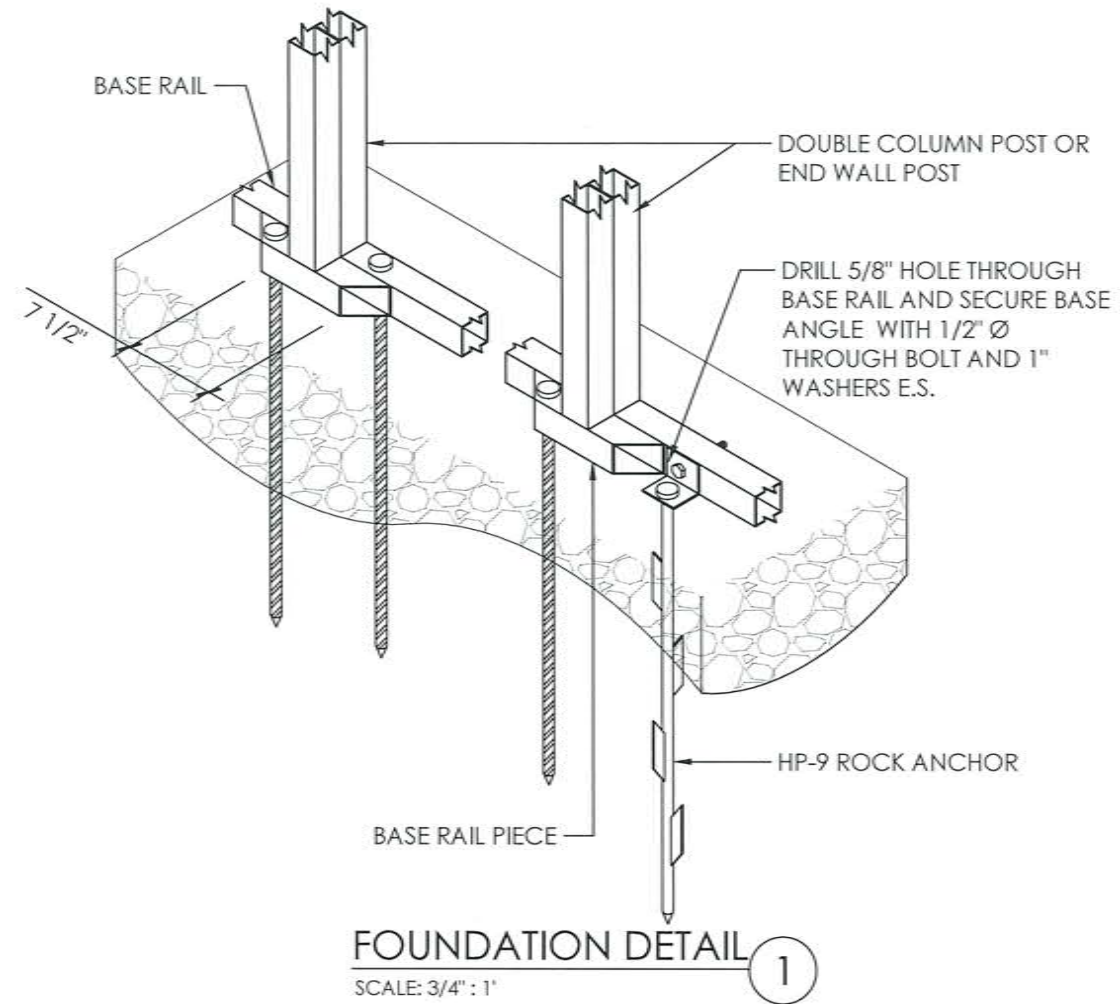
**EXPIRES: 1/3/2022**

DATE SIGNED: NOV 04 2021

MEMBER PROPERTIES	
BASE RAIL	2 1/2" SQ. X 14GA TUBE
COLUMN POST	(2) 2 1/2" SQ. X 14GA TUBE - STITCH WELDED
ROCK ANCHORS	
ANCHOR 'A'	HP9 ROCK ANCHOR
ANCHOR 'B'	3/4"Ø X 30" THRD. ROD EMBED. IN EARTH

**ANCHORAGE NOTES:**

- ROCK ANCHORS SHALL BE LOCATED AT ALL 4 CORNERS, ON EACH SIDE OF OVERHEAD DOOR OPENINGS AND ON ALTERNATE INTERIOR COLUMN POSTS AND END WALLS POSTS.
- ALL POSTS WITH NO ANCHORS ADJACENT SHALL BE ANCHORED TO THE GROUND WITH A 3/4" Ø X 30" LG. ROD. RODS WILL HAVE A WELDED NUT AT THE TOP AND ONE COAT OF RUST PROOF PRIMER.
- BASE RAIL MUST BE CONTINUOUSLY SUPPORTED OVER COMPACTED AND LEVELED GROUND / GRADE.



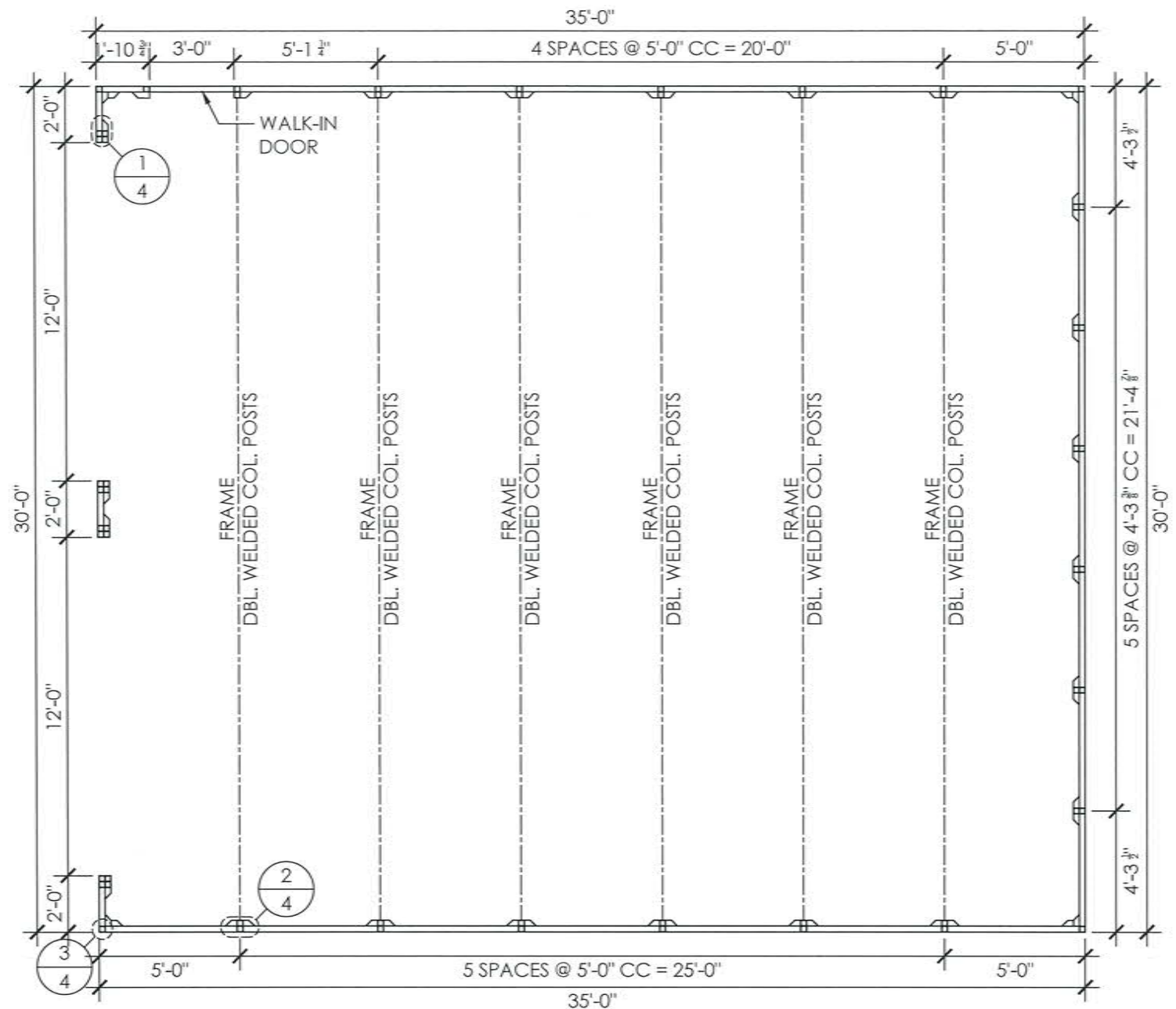
OWNER:	MILAM AUTO	LOCATION:	608 RIVER RD PUYALLUP, WA 98371
SHEET TITLE:	FOUNDATION DETAILS: <b>ROCK</b>		
DRAWING NO.:	MBDDCA820C7	PROJECT NO.:	233-21-3409
DRAWN BY:	MJ	CHECKED BY:	
DATE:	11/4/2021	SHEET NO.:	38 OF 7

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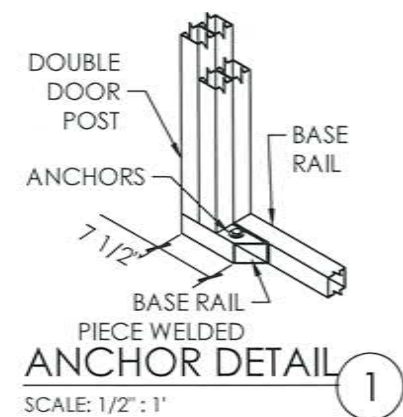
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EXPIRES: 1/3/2022  
DATE SIGNED: NOV 04 2021

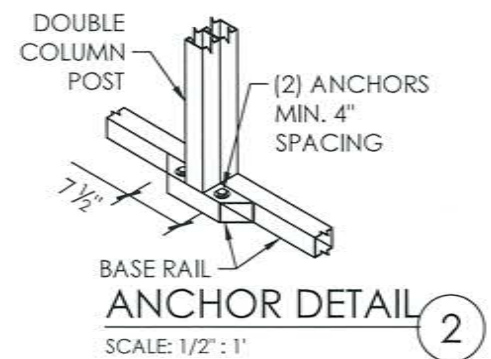


**FLOOR PLAN**  
SCALE: 3/16" : 1'

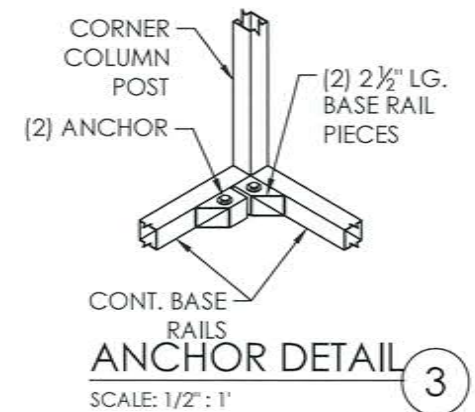
NOTE: SEE SHEET 3 FOR ANCHOR TYPE & MEMBER PROPERTIES



**ANCHOR DETAIL 1**  
SCALE: 1/2" : 1'



**ANCHOR DETAIL 2**  
SCALE: 1/2" : 1'



**ANCHOR DETAIL 3**  
SCALE: 1/2" : 1'

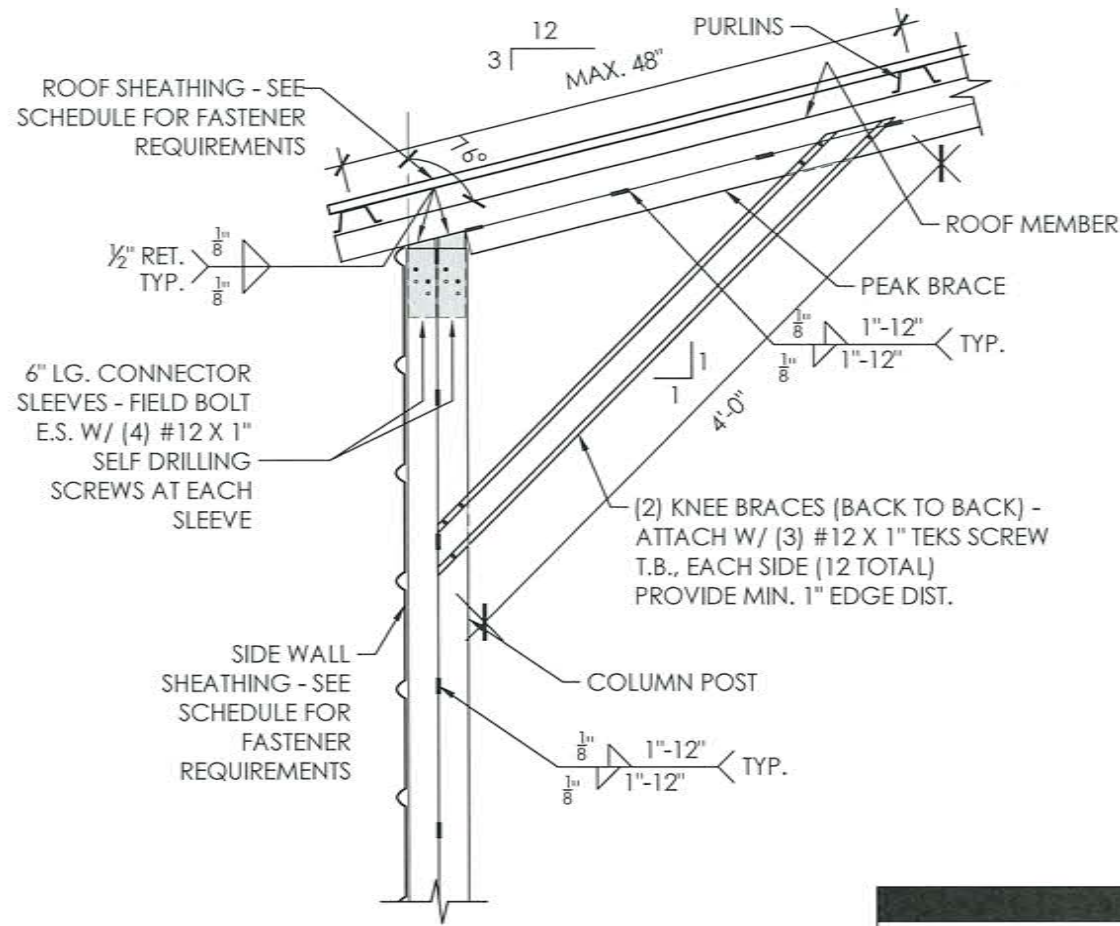
OWNER: MILAM AUTO	LOCATION: 608 RIVER RD PUYALLUP, WA 98371
SHEET TITLE: <b>FLOOR PLAN &amp; ANCHORS</b>	
DRAWING NO.: MBDDCA820C7	PROJECT NO.: 233-21-3409
DRAWN BY: MJ	CHECKED BY:
DATE: 11/4/2021	SHEET NO.: 4 OF 7

PREPARED FOR:  
**AMERICAN CRAPPOTS™**  
457 N. Broadway,  
Joshua, TX 76058  
1-866-730-9865

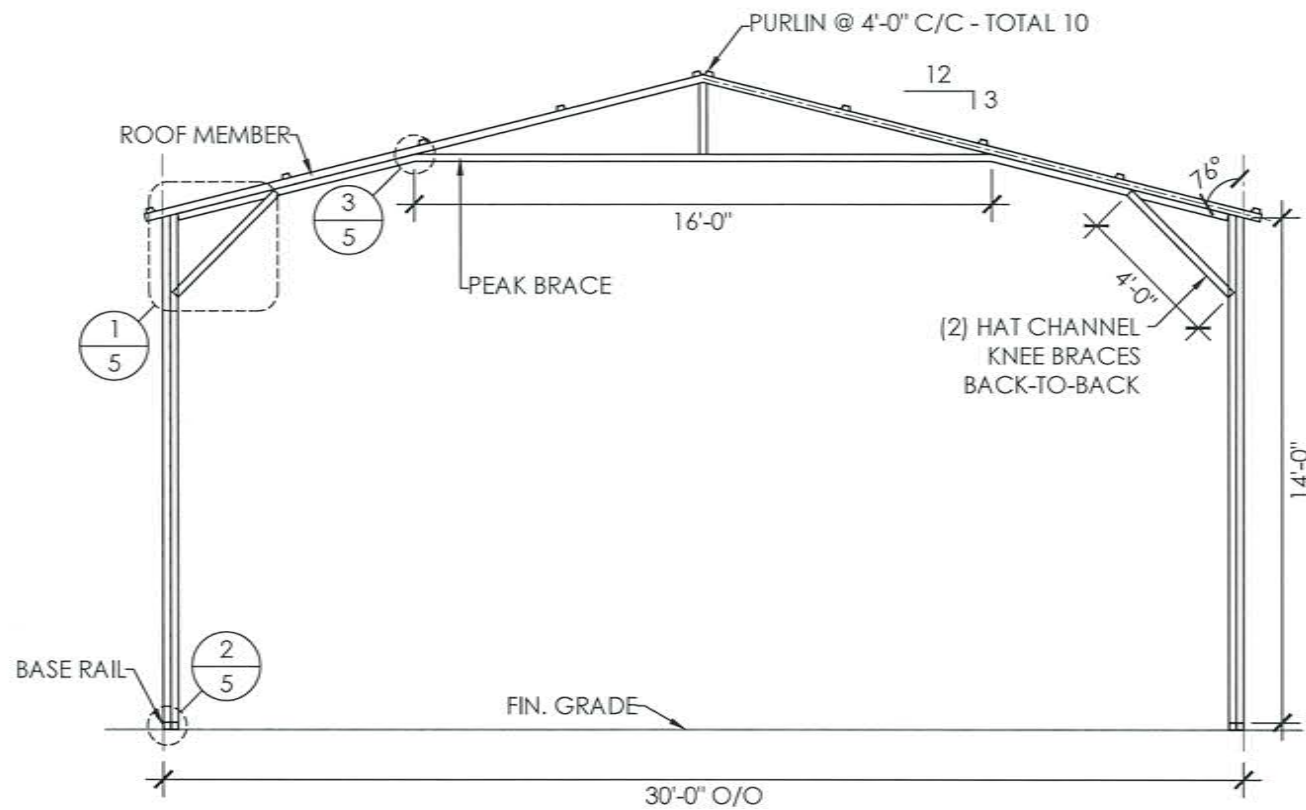
SEAL:

**EXPIRES: 1/3/2022**

DATE SIGNED: NOV 04 2021



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



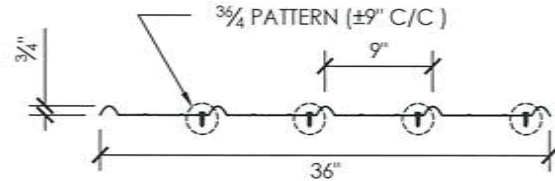
**FRAME SECTION**  
SCALE: 3/16" : 1"

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

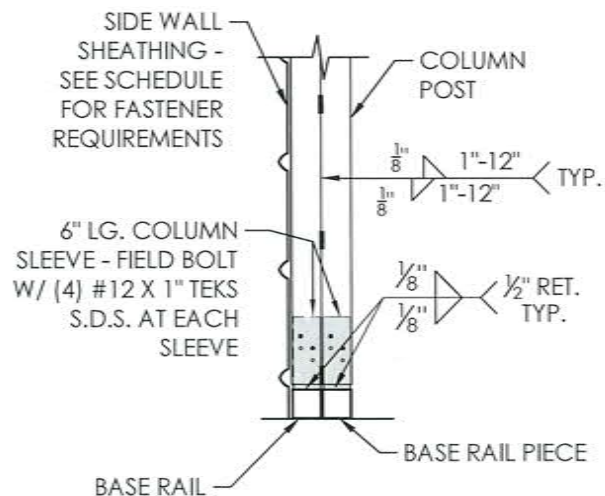
  

SHEATHING FASTENER SCHEDULE				
LOCATION	CORNER PANEL	SIDE LAPS	EDGE LAPS	ELSEWHERE
SPACING	9" CC	MIN. 1	4" CC	9" CC

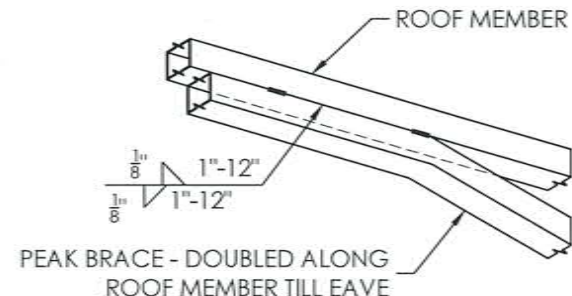
FASTENER TYPE: # 12x1" SELF-DRILL SCREWS (ESR-2196) W/ NEOPRENE/STEEL WASHER



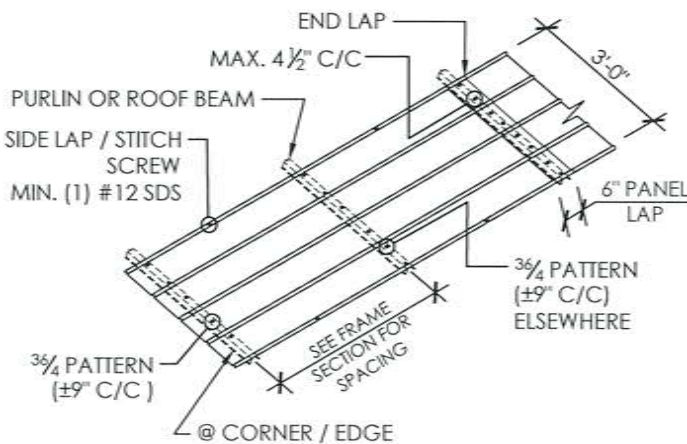
**29GA. - 3/4" RIB - CORRUGATED SHEET**  
SCALE: 3/4" : 1"



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



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



**SHEATHING FASTENER PATTERN**  
SCALE: 3/16" : 1"

OWNER: MILAM AUTO  
LOCATION: 608 RIVER RD PUYALLUP, WA 98371

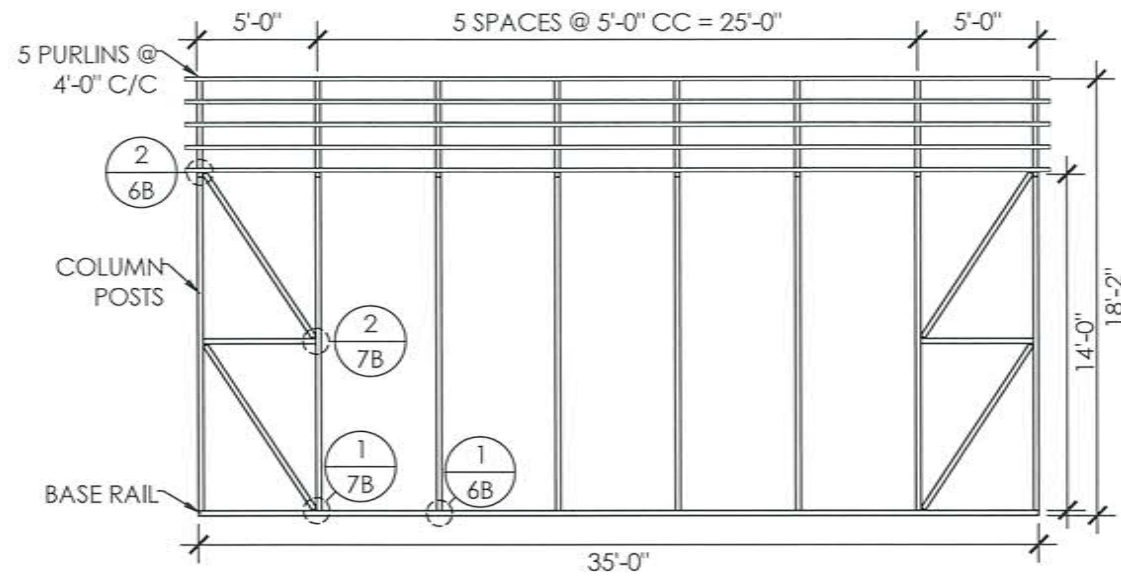
SHEET TITLE: **FRAME SECTION & DETAILS**

DRAWING NO.: MBDDCA820C7 PROJECT NO.: 233-21-3409  
DRAWN BY: MJ CHECKED BY:  
DATE: 11/4/2021 SHEET NO.: 5 OF 7

PREPARED FOR: **AMERICAN CRAPETS**  
457 N. Broadway, Joshua, TX 76058  
1-866-730-9865

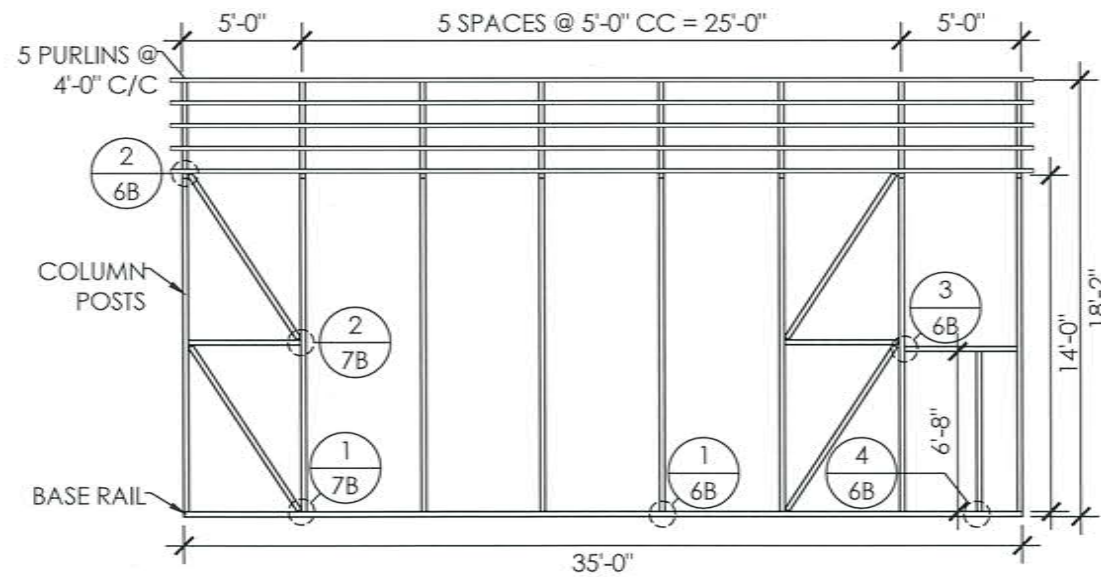


EXPIRES: 1/3/2022  
DATE SIGNED: NOV 04 2021



**RIGHT SIDE WALL FRAMING**

SCALE: 1/8" : 1'



**LEFT SIDE WALL FRAMING**

SCALE: 1/8" : 1'

MEMBER PROPERTIES	
CORNER POST	2 1/2" SQ. X 14GA TUBE
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
DOOR POST	2 1/2" SQ. X 14GA TUBE
DIAGONAL BRACES	2 1/4" SQ. X 14GA TUBE

OWNER: MILAM AUTO  
 LOCATION: 608 RIVER RD  
 PUYALLUP, WA 98371

**SIDE WALL FRAMING**

DRAWING NO.: MBDDCA820C7  
 PROJECT NO.: 233-21-3409  
 DRAWN BY: MJ  
 CHECKED BY:  
 DATE: 11/4/2021  
 SHEET NO.: 6A OF 7

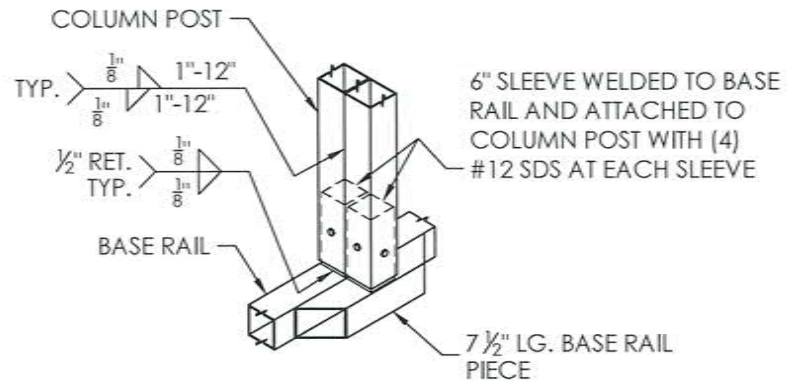
PREPARED FOR:

457 N. Broadway,  
 Joshua, TX 76058  
 1-866-730-9865

SEAL:

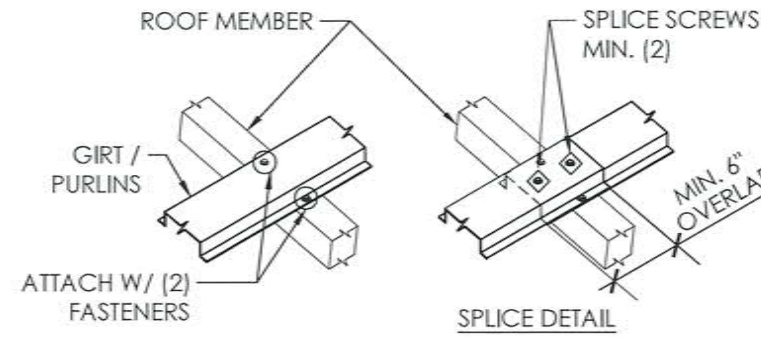
**EXPIRES: 1/3/2022**

DATE SIGNED: NOV 04 2021



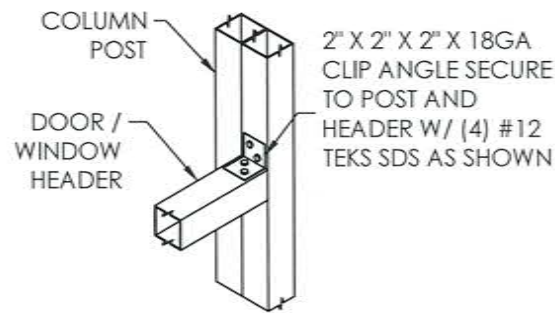
**COLUMN-BASE DETAIL** ①

SCALE: 3/4" : 1'



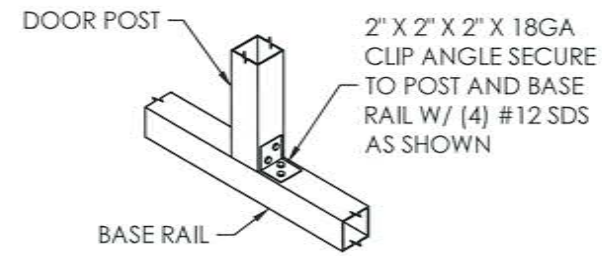
**GIRT/PURLIN DETAIL** ②

SCALE: 3/4" : 1'



**WINDOW/DOOR DETAIL** ③

SCALE: 3/4" : 1'



**DOOR DETAIL** ④

SCALE: 3/4" : 1'

OWNER:	MILAM AUTO	LOCATION:	608 RIVER RD PUYALLUP, WA 98371
SHEET TITLE:	<b>SIDE WALL FRAMING DETAILS</b>		
DRAWING NO.:	MBDDCA820C7	PROJECT NO.:	233-21-3409
DRAWN BY:	MJ	CHECKED BY:	
DATE:	11/4/2021	SHEET NO.:	6B OF 7

PREPARED FOR:

AMERICAN CARPETS INC.

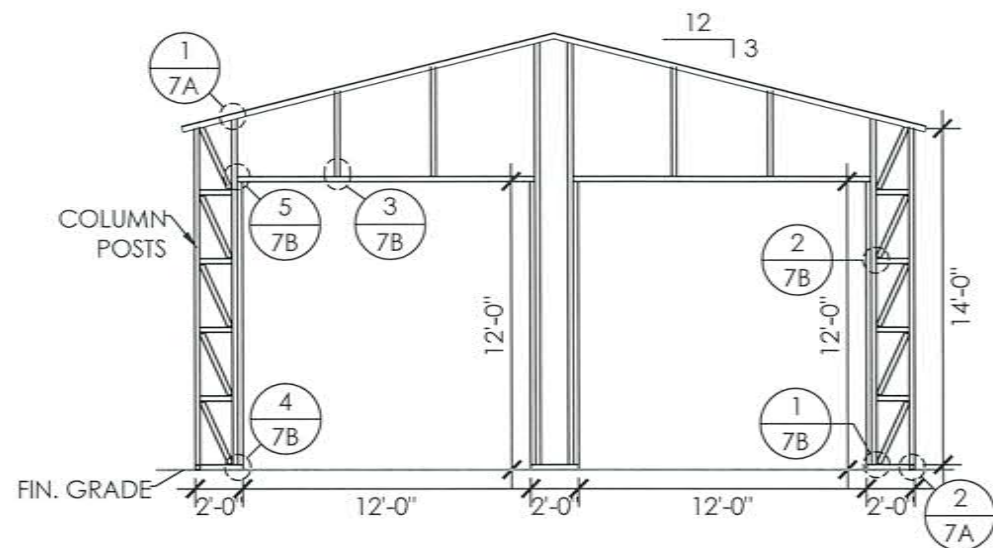
457 N. Broadway,  
Joshua, TX 76058  
1-866-730-9865

SEAL:

SAADY AMIN  
STATE OF WASHINGTON  
REGISTERED ENGINEER  
57344

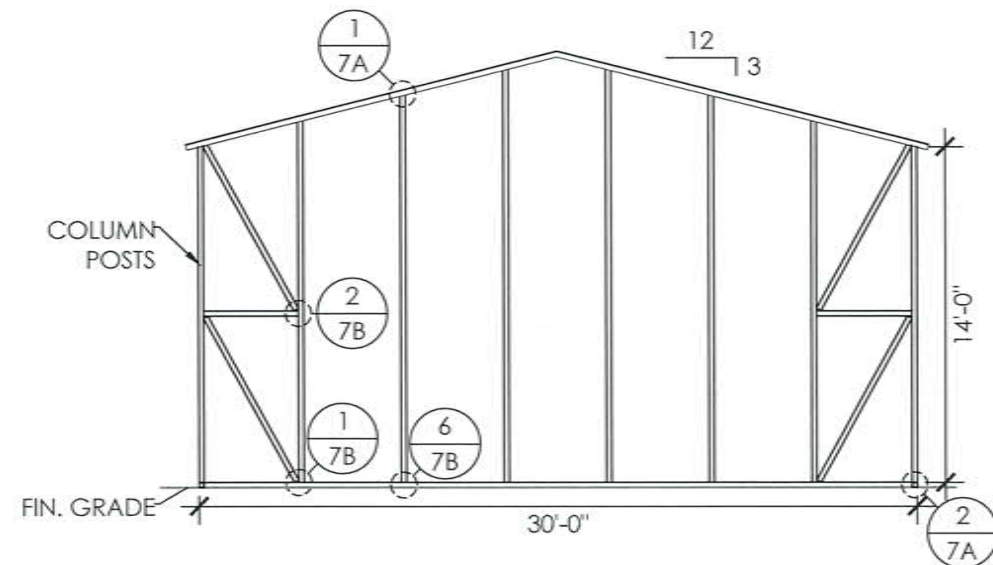
EXPIRES: 1/3/2022

DATE SIGNED: NOV 04 2021



**FRONT END WALL FRAMING**

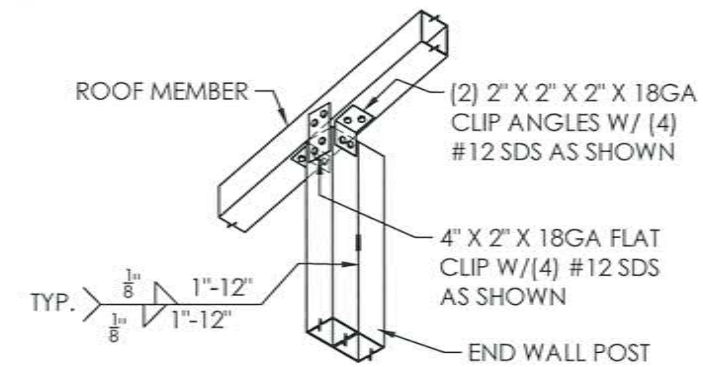
SCALE: 1/8" : 1"



**REAR END WALL FRAMING**

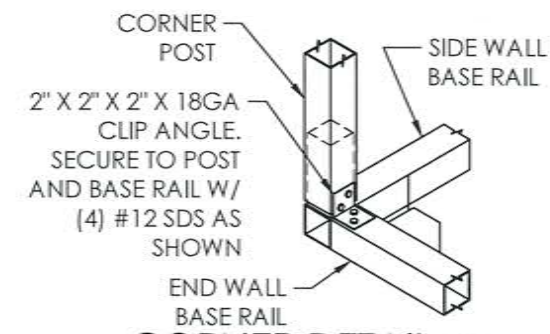
SCALE: 1/8" : 1"

MEMBER PROPERTIES	
CORNER POST	2 1/2" SQ. X 14GA TUBE
ROOF MEMBER	2 1/2" SQ. X 14GA TUBE
BASE RAIL	2 1/2" SQ. X 14GA TUBE
DOUBLE HEADER	(2) 2 1/2" SQ. X 14GA TUBE - STITCH WELDED
DOOR POST	2 1/2" SQ. X 14GA TUBE
END WALL POSTS	(2) 2 1/2" SQ. X 14GA TUBE - STITCH WELDED
DIAGONAL BRACES	2 1/4" SQ. X 14GA TUBE



**ROOF MEMBER DETAIL 1**

SCALE: 3/4" : 1"



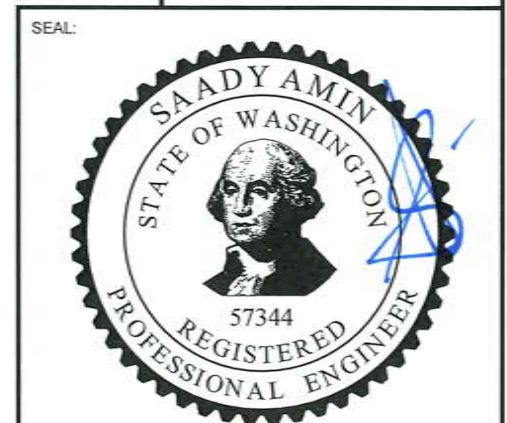
**CORNER DETAIL 2**

SCALE: 3/4" : 1"

OWNER: MILAM AUTO  
 LOCATION: 608 RIVER RD  
 PUYALLUP, WA 98371

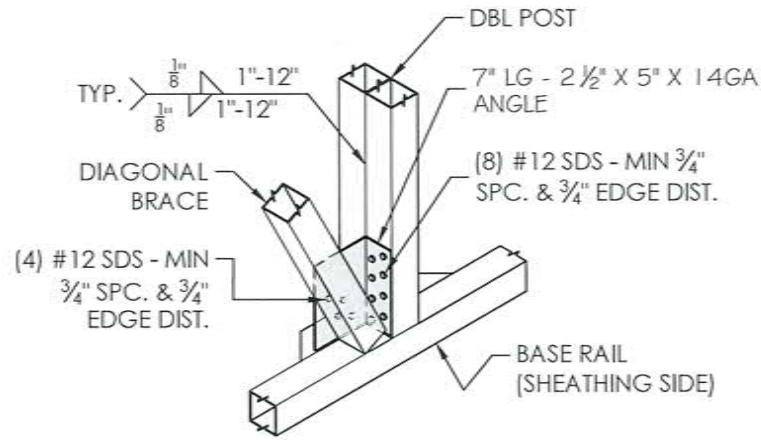
SHEET TITLE: **END WALL FRAMING & DETAILS**

DRAWING NO.: MBDDCA820C7  
 PROJECT NO.: 233-21-3409  
 DRAWN BY: MJ  
 CHECKED BY:  
 DATE: 11/4/2021  
 SHEET NO.: 7A OF 7

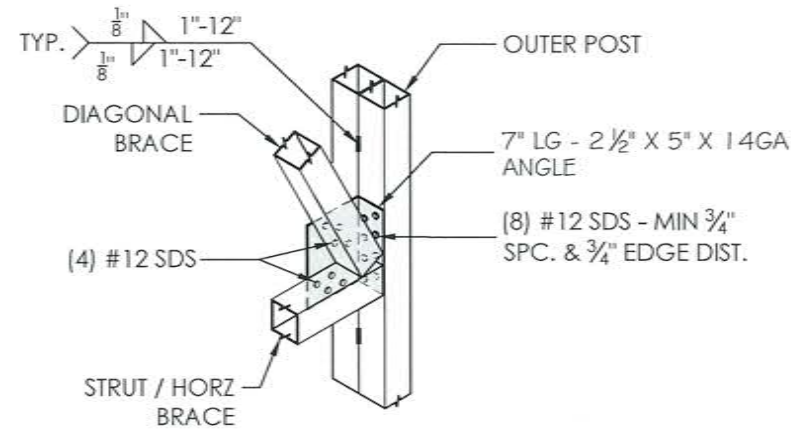


EXPIRES: 1/3/2022

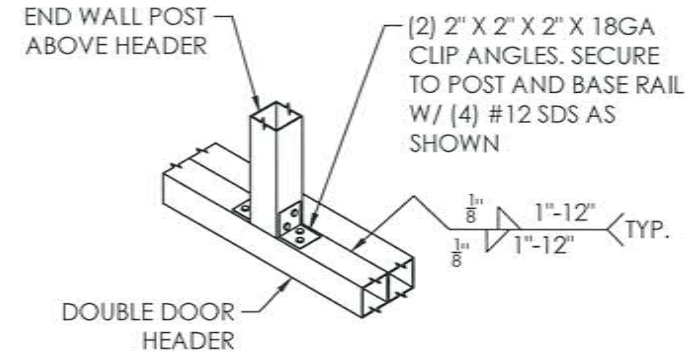
DATE SIGNED: NOV 04 2021



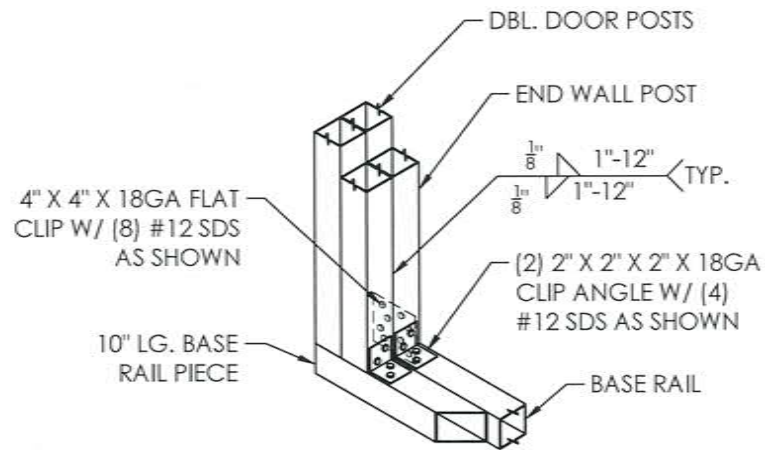
LATTICE BRACE DETAIL ①  
SCALE: 3/4" : 1'



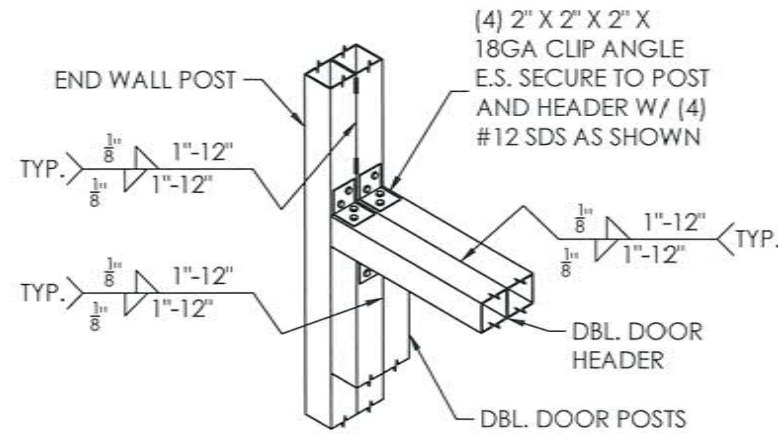
LATTICE BRACE DETAIL ②  
SCALE: 3/4" : 1'



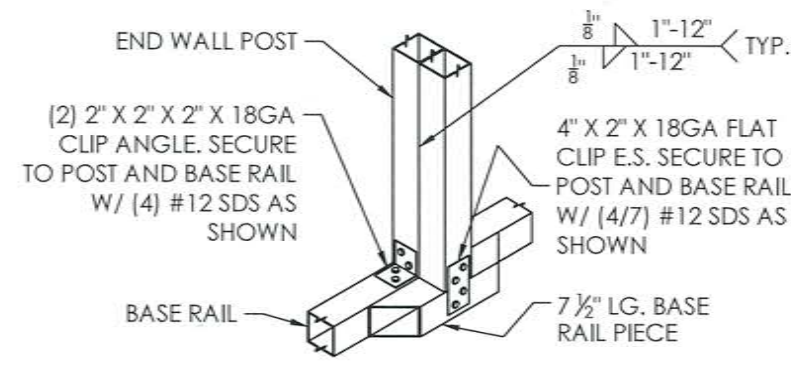
ABOVE HEADER DETAIL ③  
SCALE: 3/4" : 1'



DOOR BASE DETAIL ④  
SCALE: 3/4" : 1'



DOOR HEADER DETAIL ⑤  
SCALE: 3/4" : 1'



COLUMN-BASE DETAIL ⑥  
SCALE: 3/4" : 1'

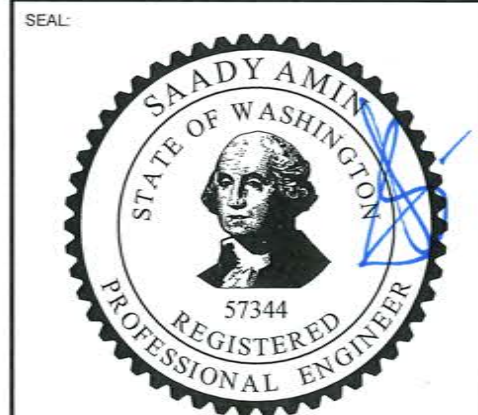
OWNER: MILAM AUTO  
LOCATION: 608 RIVER RD  
PUYALLUP, WA 98371

SHEET TITLE: END WALL FRAMING DETAILS

DRAWING NO.: MBDDCA820C7  
PROJECT NO.: 233-21-3409  
DRAWN BY: MJ  
CHECKED BY:  
DATE: 11/4/2021  
SHEET NO.: 7B OF 7

PREPARED FOR: AMERICAN CRAPETS

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EXPIRES: 1/3/2022  
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