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 DEC 21 2022  
 PLANNING &  
 DESIGN SERVICES

MAXSTEEL BUILDINGS, LLC  
 MURFREESBORO, TN 37130

GENERAL NOTES:

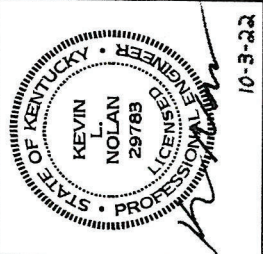
1. STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE, 2015.
2. ALL MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE ABOVE CODE AND ALL OTHER APPLICABLE LOCAL CODES AT THE TIME OF MANUFACTURE.
3. DRAWINGS SHALL NOT BE SCALED FOR DIMENSIONS.
4. STRUCTURES ARE DESIGNED FOR LOCATIONS THAT ARE NOT IN FLOOD HAZARD AREAS.
5. STRUCTURES ARE CLASSIFIED AS "MINOR STORAGE FACILITIES" (RISK CATEGORY I) PER IBC TABLE 1604.5 AND SHOULD NOT BE USED FOR HUMAN HABITATION.
6. THE PROPERTY OWNER IS RESPONSIBLE FOR COMPLYING WITH ALL LOCAL BUILDING CODES.
7. ALL STEEL IS TO BE 50 KSI.  
 14 GA TS INDICATES A 2 1/2" x 2 1/2" x 0.083" TUBE  
 12 GA TS INDICATES A 2 1/4" x 2 1/4" x 0.109 TUBE
8. A 2 1/2" x 2 1/2" - 14 GA TUBE IS EQUIVALENT TO A 2 1/2" x 2 1/2" - 12 GA TUBE. THE 12 GA TS MAY BE USED AS A SUBSTITUTION FOR THE 14 GA TS MEMBERS SHOWN ON THE PLANS.
9. ALL ROOFING AND SIDING IS TO BE ATTACHED TO THE STEEL FRAMES WITH #12-14 x 3/4" LONG SELF DRILLING SCREWS, WITH BONDED RUBBER WASHERS, WITH A MINIMUM SPACING OF 6 INCHES, UNLESS NOTED OTHERWISE.

10. ROOFING AND SIDING SHALL BE 29 OR 26 GAUGE STEEL CORRUGATED PANELS WITH A MINIMUM OF 3/4" RIBS AT 9 INCHES ON CENTER (F<sub>y</sub> = 80 KSI MIN). PANELS SHALL BE GALVANIZED OR PAINTED.
11. MAXSTEEL IS NOT RESPONSIBLE FOR THE PREPARATION OF THE PROPOSED SITE OR DETERMINATION OF THE SITE'S SUITABILITY TO SUPPORT THE PROPOSED STRUCTURE FOR GRAVITY AND WIND LOADS. IT IS THE PROPERTY OWNER'S RESPONSIBILITY TO VERIFY THAT THE SITE CONDITIONS ARE SUITABLE PRIOR TO DELIVERY.

DESIGN CRITERIA:

1. DESIGN LOADS ARE IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE, IBC 2015 RISK CATEGORY I
2. SNOW LOADS ARE BASED ON THE FOLLOWING:  
 GROUND SNOW LOAD, P<sub>g</sub> = 20 PSF  
 IMPORTANCE FACTOR, C<sub>e</sub> = 1.0  
 THERMAL FACTOR, C<sub>t</sub> = 1.2
3. WIND LOADS ARE BASED ON THE FOLLOWING:  
 V<sub>ult</sub> = 115 MPH  
 RISK CATEGORY I  
 EXPOSURE CATEGORY B
4. OCCUPANCY GROUP U

METAL CARPORT -- KENTUCKY -- IBC 2015



PROJECT NO:  
 DATE: 10-03-2022  
 DRAWN BY: KLN  
 CHECKED BY: KLN  
 REVISION:

SHEET NUMBER

CP-0

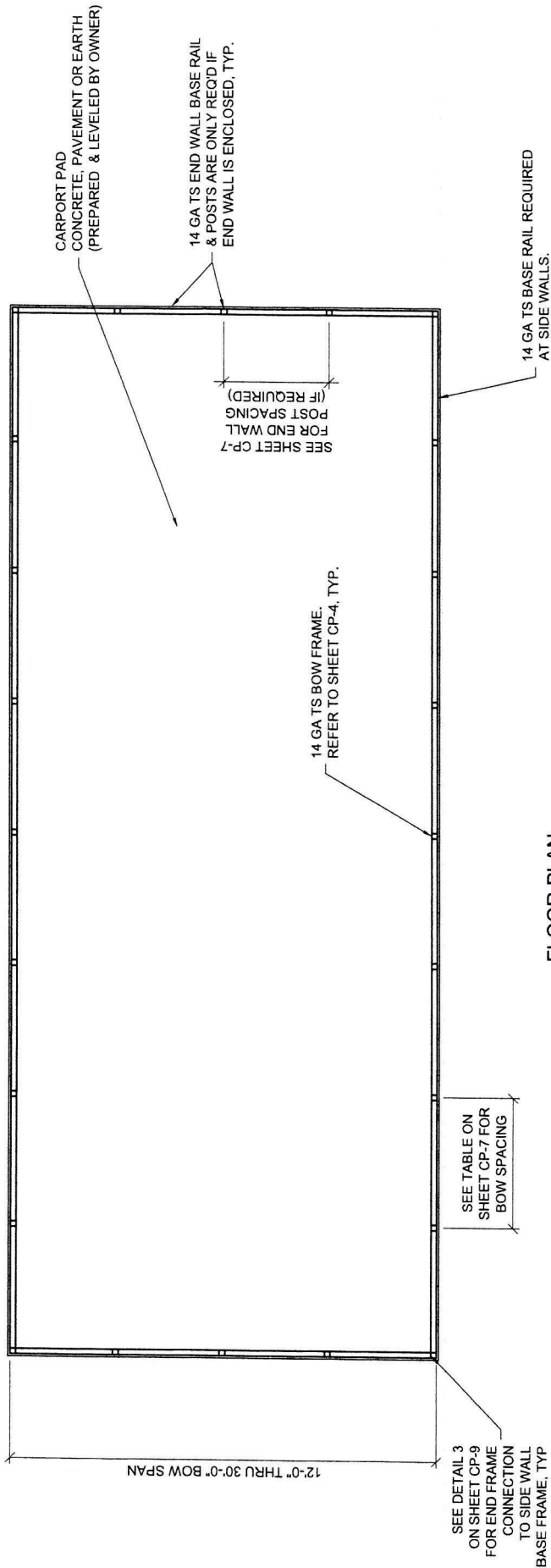
SCALE: NONE

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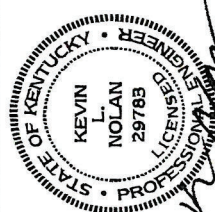
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FLOOR PLAN

NOTES:  
 1) SEE CP-2 AND CP-3 FOR ANCHOR LOCATIONS  
 2) SEE CP-8 FOR ANCHOR DETAILS

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10-3-22

PROJECT NO:

DATE: 10-03-2022

DRAWN BY: KLN

CHECKED BY: KLN

REVISION:

SHEET NUMBER

## CP-1

SCALE: NOT TO SCALE

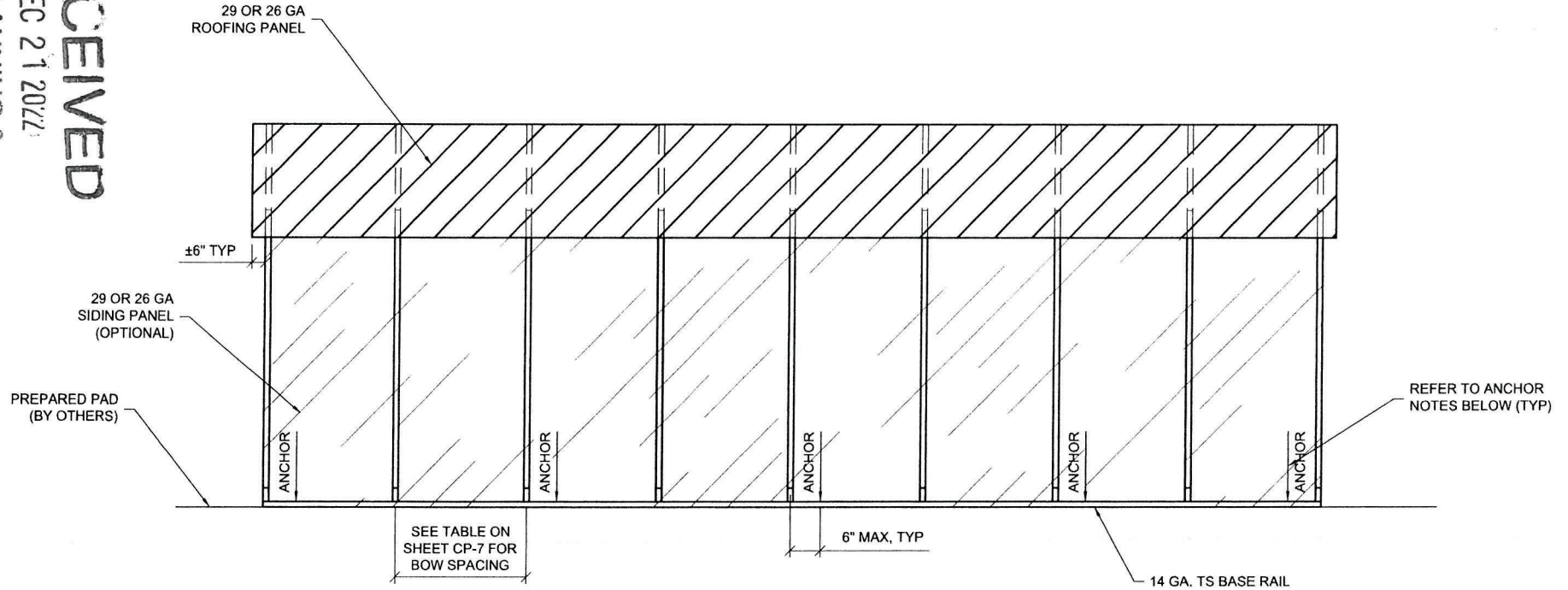
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SIDE WALL ELEVATION

VERTICAL SIDING/ROOFING OPTION:

- 1) PROVIDE 4"-18 GA HAT CHANNEL ROOF PURLINS SPACED AT 48" O.C. MAX FOR ROOF PANEL SUPPORT. ATTACH HAT CHANNEL TO EACH BOW W/ (2) #12-14 x 3/4" LONG SELF DRILLING SCREWS.
- 2) PROVIDE 14 GA TUBE WALL GIRTS BETWEEN EACH BOW FOR WALL PANEL SUPPORT WHEN WALLS ARE ENCLOSED. GIRTS ARE TO BE SPACED AT 48" O.C. MAX. ATTACH EACH END OF GIRT TO BOW W/ 16 GA CLIP ANGLES W/ (4) #12-14 x 3/4" LONG SELF DRILLING SCREWS.

ANCHOR NOTES:

- 1) AT A MINIMUM, PROVIDE EARTH ANCHORS AT EACH CORNER POST AND EVERY OTHER INTERIOR BOW POST. THE ANCHOR SPACING SHALL NOT EXCEED 10'-0" . SEE DETAILS B & C ON SHEET CP-8.
- 2) FOR ATTACHMENT TO CONCRETE, PROVIDE AN ANCHOR AT EVERY POST. SEE DETAIL A/CP-8.



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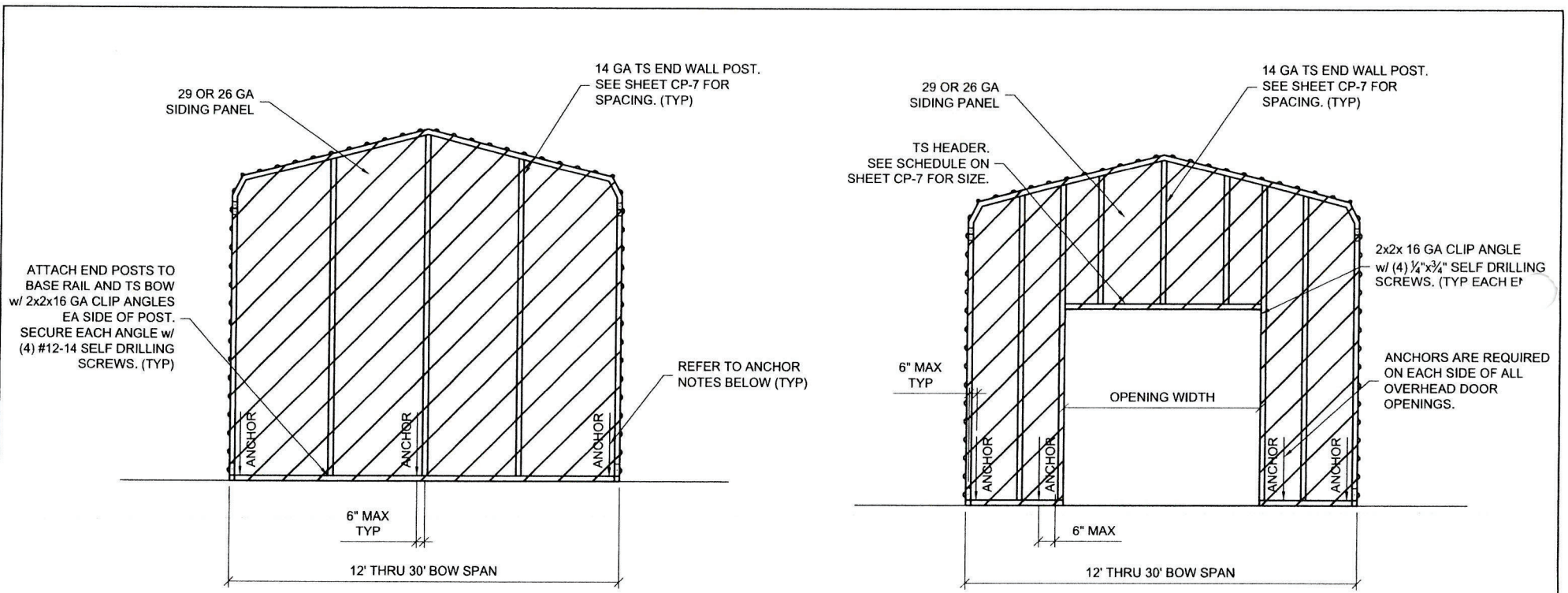


PROJECT NO:	
DATE:	10-03-2022
DRAWN BY:	KLN
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REVISION:	

SHEET NUMBER
CP-2
SCALE: NOT TO SCALE

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OPTIONAL END WALL ELEVATION (WITHOUT DOOR)

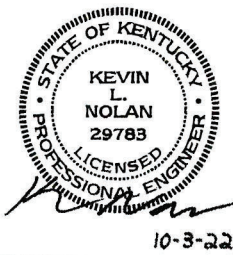
OPTIONAL END WALL ELEVATION (WITH DOOR)

**VERTICAL SIDING/ROOFING OPTION:**

- 1) PROVIDE 4"-18 GA HAT CHANNEL ROOF PURLINS SPACED AT 48" O.C. MAX FOR ROOF PANEL SUPPORT. ATTACH HAT CHANNEL TO EACH BOW W/ (2) #12-14 x 3/4" LONG SELF DRILLING SCREWS.
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**ANCHOR NOTES:**

- 1) AT A MINIMUM, PROVIDE EARTH ANCHORS AT EACH CORNER POST AND EVERY OTHER INTERIOR BOW POST. THE ANCHOR SPACING SHALL NOT EXCEED 10'-0". SEE DETAILS B & C ON SHEET CP-8.
- 2) FOR ATTACHMENT TO CONCRETE, PROVIDE AN ANCHOR AT EVERY POST. SEE DETAIL A/CP-8.



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PROJECT NO:	
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REVISION:	

SHEET NUMBER	<b>CP-3</b>
SCALE:	NOT TO SCALE

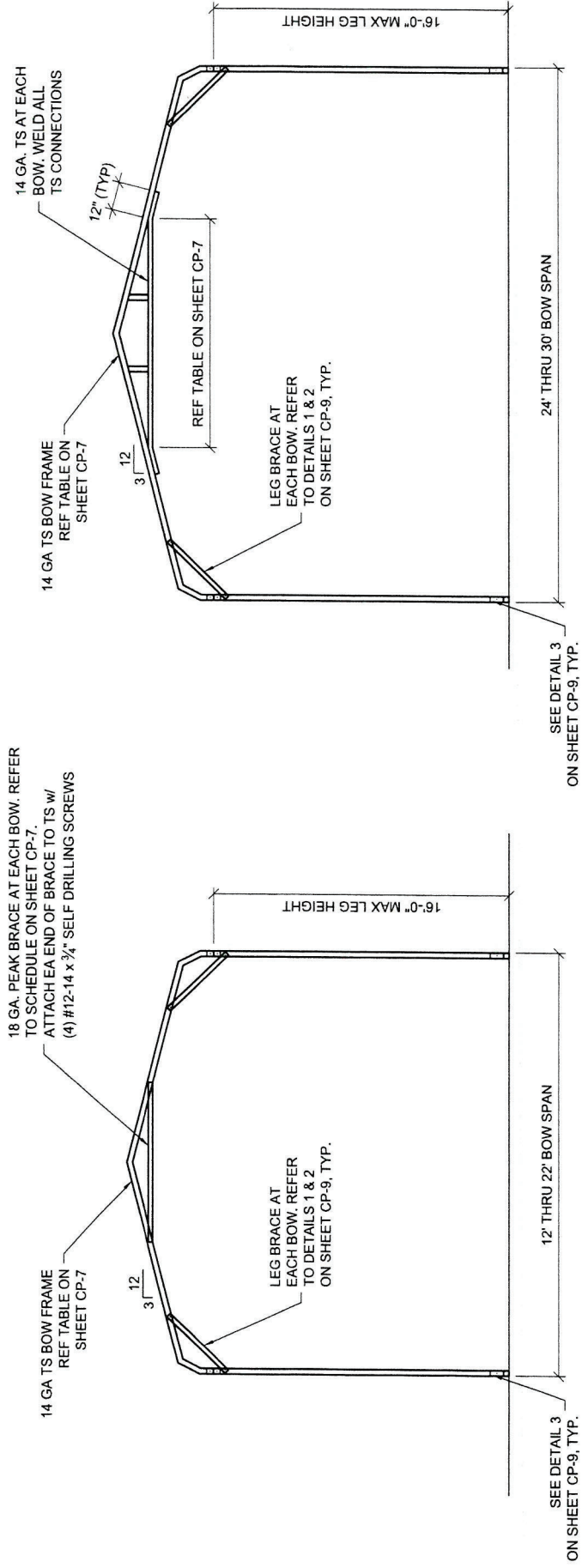
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18 GA. PEAK BRACE AT EACH BOW. REFER TO SCHEDULE ON SHEET CP-7. ATTACH EA END OF BRACE TO TS w/ (4) #12-14 x 3/4" SELF DRILLING SCREWS

14 GA. TS AT EACH BOW. WELD ALL TS CONNECTIONS



TYPICAL BOW SECTIONS

METAL CARPORT -- KENTUCKY -- IBC 2015

STATE OF KENTUCKY  
 KEVIN L. NOLAN  
 29783  
 LICENSED PROFESSIONAL ENGINEER  
 10-3-22



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DRAWN BY:	KLN
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REVISION:	

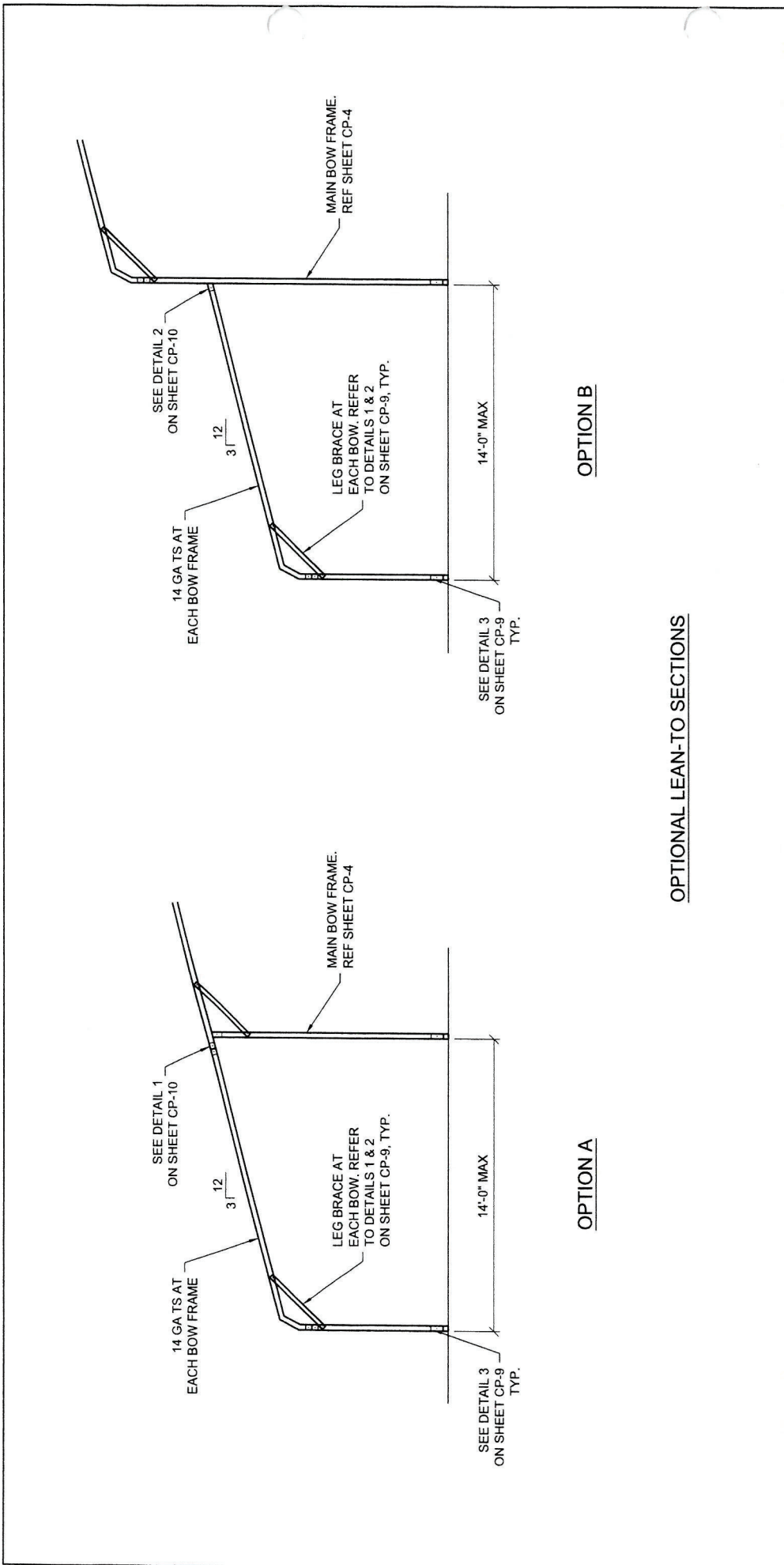
SHEET NUMBER  
**CP-4**  
 SCALE: NOT TO SCALE

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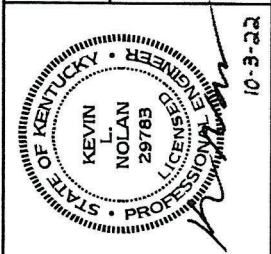
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OPTIONAL LEAN-TO SECTIONS

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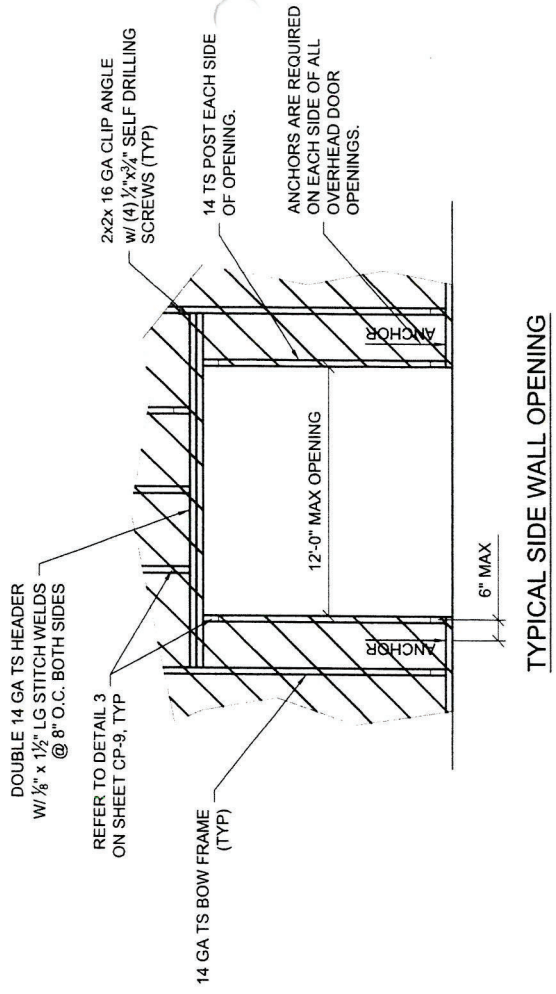
SHEET NUMBER

**CP-5**

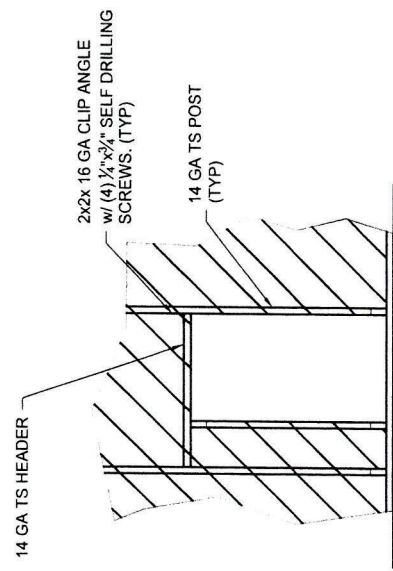
SCALE: NOT TO SCALE

22-VARIANCE-017c





TYPICAL SIDE WALL OPENING



TYPICAL MAN DOOR OPENING

# METAL CARPORT -- KENTUCKY -- IBC 2015

KEVIN L. NOLAN  
 29763  
 10-3-22

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SHEET NUMBER

CP-6

SCALE: NOT TO SCALE

22-VARIANCE-0170

### BOW FRAME SCHEDULE

ENCLOSURE	WIDTH (FEET)	LEG HEIGHT (FEET)	MAX BOW SPACING	PEAK BRACE	
OPEN	12 TO 16	6 THRU 14 15 THRU 16	5'-0" 4'-0"	2'-0" LG x 18 GA CHANNEL	
	20	6 THRU 14 15 THRU 16	5'-0" 4'-0"	4'-0" LG x 18 GA CHANNEL	
	22	6 THRU 12 13 THRU 14 15 THRU 16	5'-0" 4'-0" 4'-0"	6'-0" LG x 18 GA CHANNEL	
	24	6 THRU 9 10 THRU 11 12 THRU 14 15 THRU 16	5'-0" 4'-6" 4'-0" 3'-6"	11'-9 1/2" LG x 14 GA TUBE	
	26	6 THRU 11 12 THRU 13 14 THRU 16	5'-0" 4'-6" 4'-0"	14'-0" LG x 14 GA TUBE	
	28	6 THRU 9 10 THRU 11 12 THRU 14 15 THRU 16	5'-0" 4'-6" 4'-0" 3'-6"	16'-0" LG x 14 GA TUBE	
	30	6 THRU 8 9 10 THRU 12 13 THRU 16	5'-0" 4'-6" 4'-0" 3'-6"	18'-0" LG x 14 GA TUBE	
	ENCLOSED	12 TO 18	6 THRU 14 15 THRU 16	5'-0" 4'-0"	2'-0" LG x 18 GA CHANNEL
		20	6 THRU 14 15 THRU 16	5'-0" 4'-0"	4'-0" LG x 18 GA CHANNEL
		22	6 THRU 12 13 THRU 14 15 THRU 16	5'-0" 4'-6" 4'-0"	6'-0" LG x 18 GA CHANNEL
		24	6 THRU 10 11 THRU 12 13 THRU 16	5'-0" 4'-6" 4'-0"	11'-9 1/2" LG x 14 GA TUBE
		26	6 THRU 12 13 THRU 14 15 THRU 16	5'-0" 4'-6" 4'-0"	14'-0" LG x 14 GA TUBE
28		6 THRU 10 11 THRU 13 14 THRU 16	5'-0" 4'-6" 4'-0"	16'-0" LG x 14 GA TUBE	
30		6 THRU 8 9 THRU 10 11 THRU 14 15 THRU 16	5'-0" 4'-6" 4'-0" 3'-6"	18'-0" LG x 14 GA TUBE	

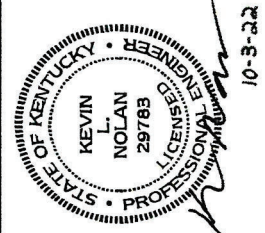
### END WALL DOOR HEADER SCHEDULE

CARPORT WIDTH	MAX DOOR WIDTH	HEADER SIZE
12'	8'	2 1/2" x 2 1/2" TS - 14 GA.
18' TO 20'	12'	2 1/2" x 2 1/2" TS - 14 GA.
22' TO 30'	16'	DBL 2 1/2" x 2 1/2" TS - 14 GA.
26' TO 30'	(2) 10' DOORS	2 1/2" x 2 1/2" TS - 14 GA.

### END WALL POST SPACING (AS REQUIRED FOR CLOSED END WALLS)

ENCLOSURE	LEG HEIGHT	END POST SPACING
FULLY	UP TO 14'	5'-0" MAX
	15' TO 16'	4'-0" MAX
	UP TO 12'	5'-0" MAX
PARTIALLY	13' TO 14'	4'-0" MAX
	15' TO 16'	3'-0" MAX

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SHEET NUMBER  
**CP-7**  
 SCALE: \_\_\_\_\_

22-VARIANCE-0170



4" MIN CONC SLAB  
OVER 4" MIN CRUSHED STONE  
(BY OTHERS)

1/2" DIA WEDGE ANCHOR,  
WITHIN 6" OF EACH BOW.  
PROVIDE 2 1/2" MINIMUM  
EMBEDMENT INTO CONCRETE

4" MIN

BASE RAIL

NOTES:

- 1) MAXSTEEL IS NOT RESPONSIBLE FOR THE DESIGN OR PLACEMENT OF THE CONCRETE FOUNDATION.
- 2) PROVIDE A WEDGE ANCHOR WITHIN 6 INCHES OF EACH POST.
- 3) CONCRETE STRENGTH TO BE A MIN OF 3000 PSI AT 28 DAYS.

AS REQUIRED  
TO SATISFY LOCAL  
FROST DEPTHS

A- CONCRETE ANCHOR DETAIL (OPTION A)

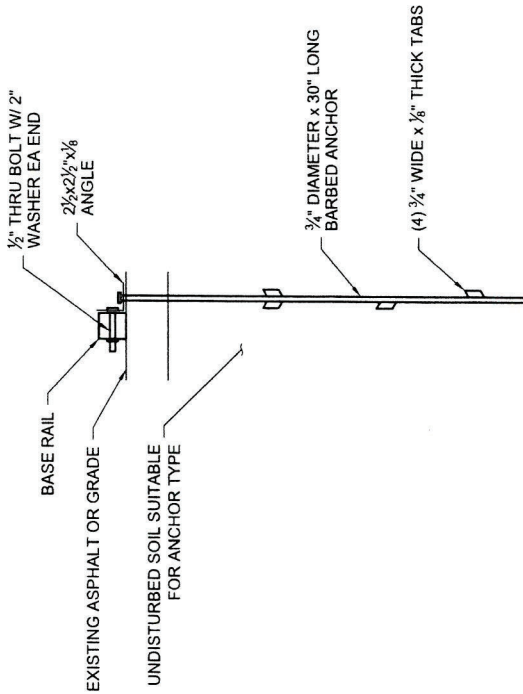
DENSE, SUITABLE SOIL  
(CLASSIFICATION 2 OR 3)

1/2" THRU BOLT W/ 2"  
WASHER EA END

BASE RAIL

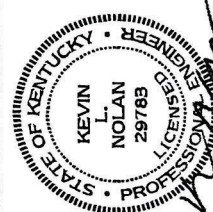
5/8" x 30" GROUND ANCHOR  
W/ (2) 4" HELIX.

B- EARTH ANCHOR DETAIL (OPTION B)



C- ASPHALT/ROCK ANCHOR DETAIL (OPTION C)

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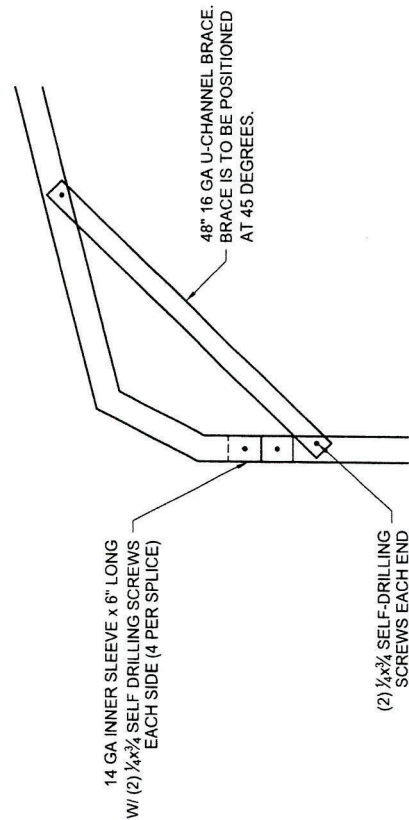
REVISION:

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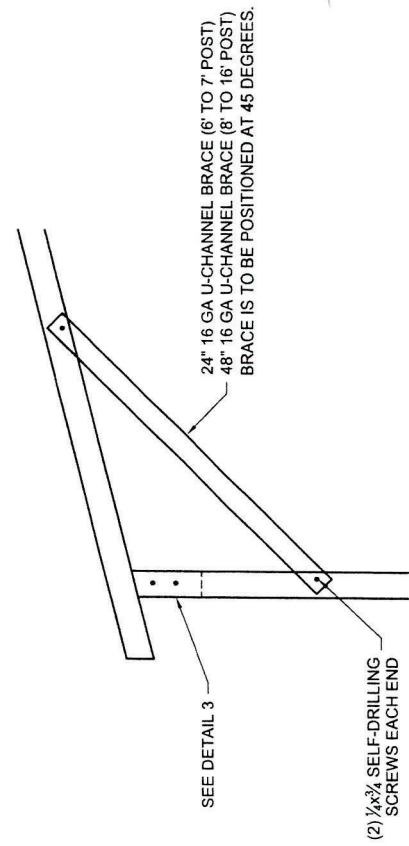
CP-8

SCALE: NOT TO SCALE

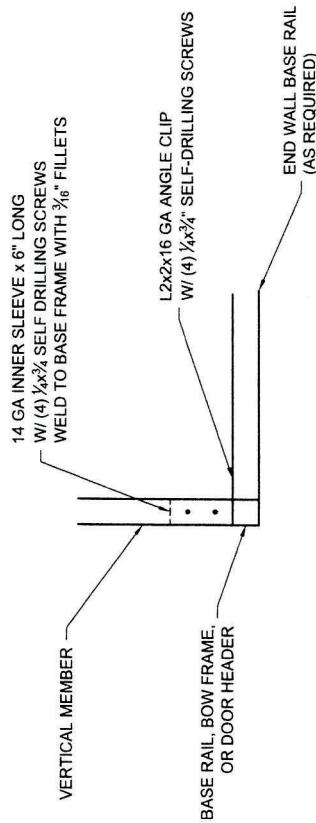
22-VARIANCE-0170



**DETAIL 1 - BOW/CORNER POST DETAIL**

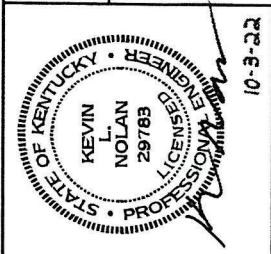


**DETAIL 2 - BOX EAVE BOW/ CORNER POST DETAIL**



**DETAIL 3 - POST/BASE RAIL DETAIL**

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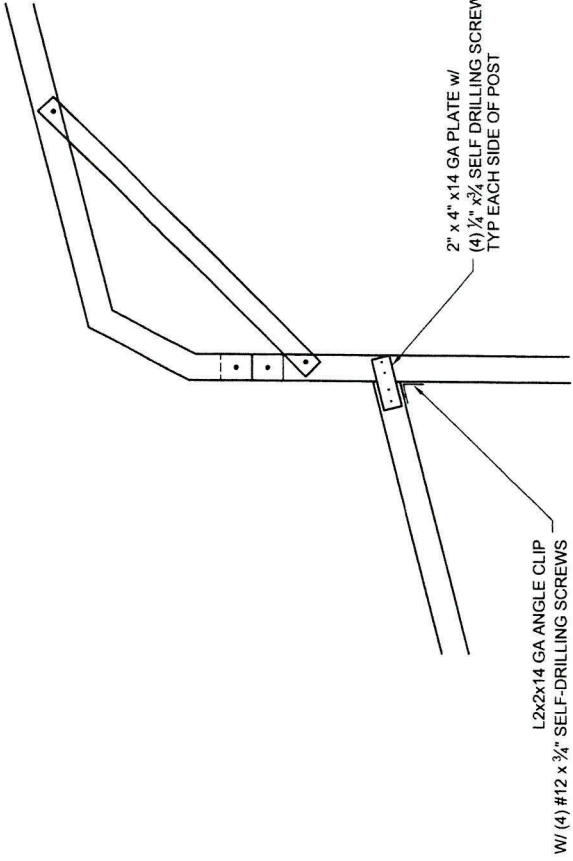
SHEET NUMBER

**CP-9**

SCALE: NOT TO SCALE

22-VARIANCE-0170





DETAIL 1 - OPTION A LEAN-TO DETAIL

NOTE:  
REFER TO SHEET CP-9 FOR  
INFO NOT SHOWN.

DETAIL 2 - OPTION B LEAN-TO DETAIL

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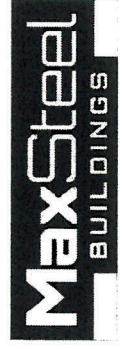
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SHEET NUMBER

**CP-10**

SCALE: NOT TO SCALE

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