

REGULAR / A-FRAME 24'-0" WIDE

CARPORT STYLE BUILDINGS



- 1. ALL CONSTRUCTION SHALL BE PROVIDED IN ACCORDANCE WITH PREVAILING CODE: CODES AND ALL APPLICABLE LOCAL REQUIREMENTS. IBC 2018, 05HA, AISC 360, AISI 100, ASCE 7-16, AWS DI.3
- 2. ALL MATERIALS IDENTIFIED BY MANUFACTURER NAME MAY BE SUBSTITUTED WITH MATERIAL EQUAL OR EXCEEDING ORIGINAL
- 3. ALL SHOP CONNECTIONS SHALL BE WELDED CONNECTIONS
- 4. ALL STRUCTURAL FIELD CONNECTIONS SHALL BE #12-14 X 3/2" SDS (ESR-2196 OR EQ) WITHOUT WASHERS
- Ņ STEEL SHEATHING SHALL BE 29GA, CORRUGATED GALY, OR WITH NEOPRENE WASHERS. CONNECTIONS SHALL BE #12-14 X 3/4" SDS (ESR-2196 OR EQ) PAINTED STEEL - MAIN RIB HT. 3/4" (FY=80K5I) OR EQ.
- ALL STRUCTURAL LIGHT GAUGE TUBING AND CHANNELS SHALL BE GRADE 50 STEEL (FY = 50 KSI, FU = 65 KSI).
- 7. STRUCTURAL TUBE 2 1/2" X 2 1/2" 14GA. IS EQUIVALENT TO TS 2 OTHER. 1/4" X 2 1/4" - 12GA AND EITHER ONE MAY BE USED IN LIEU OF THE
- 8. GYPSUM BOARD OR DRYWALL FINISH OR ANY BRITTLE BASE MATERIAL IS NOT ACCOUNTED FOR IN THE DESIGN CRITERIA
- 9. ALL DESIGN CRITERIA MUST BE INCREASED TO THE NEXT HIGHER INCREMENT BASED ON THE TABLES ON PAGE 4. NO INTERPOLATION IS ALLOWED

CUSTOMER INFORMATION

ADDRESS:

DESIGN CRITERIA

DRAWING IN

Enns Examine

Compliance

Code

RISK CATEGORY:

ROOF DEAD LOAD (D) D = 4 PSF ROOF LIVE/SNOW LOAD (Lr)

FRAME SECTIONS & DETAILS

3-A, 3-B

SEE TABLE 4)

EXPOSURE FACTOR IMPORTANCE FACTOR Is = 0.8 GROUND SNOW LOAD Pg = 20 - 90 PSF ROOF SLOPE FACTOR Cs = 1.0 THERMAL FACTOR Ct = 1.2 Ce = 1.0

SEISMIC LOAD (E) EXPOSURE BASIC WIND SPEED WIND LOAD (W) V_{ULT} = 105 - 180 MPH

DESIGN CATEGORY IMPORTANCE FACTOR Ie = 1.00

U (CARPORTS, BARNS) SCHEDULES & MEMBER (IBC 2018)

(AS PER SNOW LOAD Lr = 20 - 61 PSFSPACING SCHEDULES & ENCLOSURE NOTES

SIDE WALL FRAMING SHEATHING OPTIONS END WALL FRAMING PURLIN & GIRT SCHEDULES & OPENINGS

7-A, 7-B

FOUNDATION OPTIONS OPTIONAL LEAN-TO ADDITION CORNER BRACING DETAILS & OPENINGS 8-A, 8-B

11-A TO 11-D

LOAD COMBINATIONS:

- D + (0.6W OR ±0.7E) D + (Lr OR 5)
- D+0.75 (0.6W OR ±0.7E) + 0.75 (Lr OR 5) 0.6D+ (0.6W OR ±0.7E)

Omar Abu-Yasein Digitally signed by Omar Abu-Yasein Date: 2023.04.17 07:29:42 -04'00'

DESIGN LOADS WIDTH: HEIGHT: LENGTH: **BUILDING INFORMATION** TYPE: FRAME TYPE: □ PARTIAL REGULAR ☐ A-FRAME D FULL VALID FOR ONE YEAR FROM DATE OF ISSUE EXPIRATION: 04-11-2024 CERTIFICATION ON THESE DRAWINGS IS CERTIFICATION VALIDITY

STAMP EXPIRY: 02-28-2025

DATE SIGNED: 04-11-2023

BASIC WIND SPEED ROOF LIVE LOAD GROUND SNOW



MANUFACTURED BY:

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DRAWING INFORMATION

PROJECT NO.: 711-23-0864 SHEET TITLE: LOCATION: STATE OF FLORIDA PROJECT: 24'-O" WIDE BUILDINGS

COVER SHEET

CI

CHECKED BY: OAA DRAWN BY: A.W. SHEET NO .: DATE: 1/26/22 DATE: 1/26/22

LEGAL INFORMATION

- ANY DUPLICATION OF THIS DRAWING IN WHOLE OR PART IS STRICTLY FORBIDDEN, ANYONE DOING 50 WILL BE PROSECUTED UNDER THE FULL WITTEN OF THE LAW.
- DRAWINGS VALID UP TO 1 YEAR FROM DATE OF ISSUE



FASTENER TYPE: #12X1" SELF-DRILL SCREWS (ESR-2196 OR EQ) W/ NEOPRENE/STEEL WASHER 20 9/ SEE TYP. SHEATHING FASTENER SCHEDULE DIAGRAM ON PAGE 6 2 Ø 8 7 THICKNESS (IN) 0.0135 7 0 ठा 다 SPACING LOCATION CORNER PANELS SIDE LAPS EDGE LAPS ELSEWHERE 0.75" GAUGE SERVICE DOOR / WINDOW OPT. END WALL GIRT STRAIGHT BRACKET CONNECTOR SLEEVE ALL FASTENERS DIAGONAL BRACE ANGLE BRACKET DOUBLE HEADER END WALL POST TRUSS SPACER SINGLE HEADER TABLE 2.2: SHEATHING FASTENER SCHEDULE GABLE BRACE COLUMN POST DB BRACKET PB SUPPORT BASE ANGLE KNEE BRACES SHEATHING PEAK BRACE DOOR POST ROOF BEAM BASE RAIL FRAMING PURLIN GIRT 29 GA CORRUGATED SHEATHING TABLE 2.3: GAUGE THICKNESS 9" C/C TABLE 2.1: MEMBER PROPERTIES 29 #12 X 1" SELF-DRILL SCREWS (ESR-2196 OR 0.049 THICKNESS = 29GA 4.25" X 1.5" X 14GA / 18GA HAT CHANNEL 4.25" X 1.5" X 14GA / 18GA HAT CHANNEL ₹ Z Ø, EQ) W/ NEOPRENE/STEEL WASHER 2.25" X 2.25" X 6" LG. 14GA ANGLE 29 GA CORRUGATED SHEET 2" X 2" X 4" LG. 14GA PLATE 2" X 2" X 2" LG. 14GA ANGLE DBL. 2.5" X 2.5" X 14GA TUBE 2" X 2" X 3" LG. 3/16" ANGLE 2.25" X 2.25" X 12GA TUBE 2.5" X 2.5" 14 GA CHANNEL 2.5" X 2.5" X 14GA TUBE 2.5" X 1.5" 14GA CHANNEL 2.5" X 1.5" 14GA CHANNEL 2.5" X 2.5" X 14GA TUBE 2" X 2" X 14 GA TUBE 2" X 2" X 14 GA TUBE 0.083 4 PROPERTY 45" C/C 0.109 N, 9" C/C 0 CI 0 CI UI Q, CI 0 N 4 4 STRAIGHT BRACKET 6 SCALE: NTS DB BRACKET(9) THICKNESS = 14GA SCALE: NTS 2.5" X 2.5" 14GA TUBE, SCALE: NTS 2" X 2" 14GA TUBE (3 THICKNESS = 140A THICKNESS = 14G/ THICKNESS = 14GA 4.25" X 1.5" X 14GA / 18GA (5) HAT CHANNEL CALE: NTS THICKNESS = 14GA / 18GA SCALE: NTS 2.5" X 1.5" 14GA CHANNEL (4 2.25" X 2.25" 12GA TUBE(2 SCALE: NTS BASE ANGLE 10 SCALE: NTS THICKNESS = 3/16 ANGLE BRACKET 7 SCALE: NTS THICKNESS = 14GA THICKNESS = 12GA THICKNESS = 'AGA



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DRAWING INFORMATION

SHEET TITLE: PROJECT: 24'-O" WIDE BUILDINGS PROJECT NO.: 711-23-0864 OCATION: STATE OF FLORIDA

CHECKED BY: OAA DRAWN BY: A.W. DATE: 1/26/22 DATE: 1/26/22

SHEET NO.:

2/11

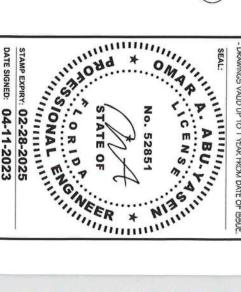
MEMBER SECTIONS

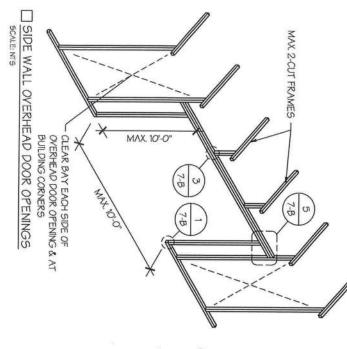
SCHEDULES &

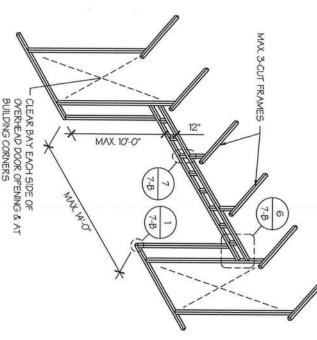
LEGAL INFORMATION

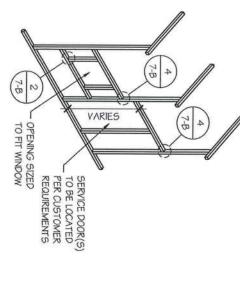
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SIDE WALL SERVICE DOOR / WINDOW OPENINGS SCALE: NTS

SIDE WALL FRAMING NOTES:

- TRUSS-STYLE HEADERS ARE REQUIRED FOR WHERE THE GROUND SNOW LOAD IS 40 PSF OR GREATER
- MAX. HEIGHT OF SIDE WALL OVERHEAD DOOR OPENINGS IS 2 FT LESS THAN THE EAVE HEIGHT.
- BETWEEN TWO FRAMES THAT HAS NO OVERHEAD DOOR OVERHEAD DOOR OPENINGS. A CLEAR BAY IS A SPACE
- MIN. 1 CLEAR BAY MUST ALSO BE MAINTAINED FROM THE **BUILDING CORNERS**

OMPA CENS A STITLE ON NO. 52851 TAMP EXPIRY: 02

SIDE WALL OVERHEAD DOOR OPENINGS SCALE: NTS WITH TRUSS STYLE HEADER

- DESIGNS AND DETAILS SHOWN HERE ARE APPLICABLE TO BOTH REGULAR AND A-FRAME STYLE BUILDINGS.
- OVERHEAD DOOR OPENINGS CANNOT CUT THROUGH MORE THAN 2 FULL FRAMES.
- MIN. 1 CLEAR BAY MUST BE MAINTAINED BETWEEN ANY 2

Ç

SERVICE DOORS AND WINDOWS CAN BE PLACED IN CLEAR BAYS OR ANY WHERE ELSE AS NEEDED.

DATE SIGNED: 04-11-2023

7

9



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DRAWING INFORMATION

LOCATION: STATE OF FLORIDA 24'-0" WIDE BUILDINGS

PROJECT NO.: 711-23-0864

SIDE WALL FRAMING

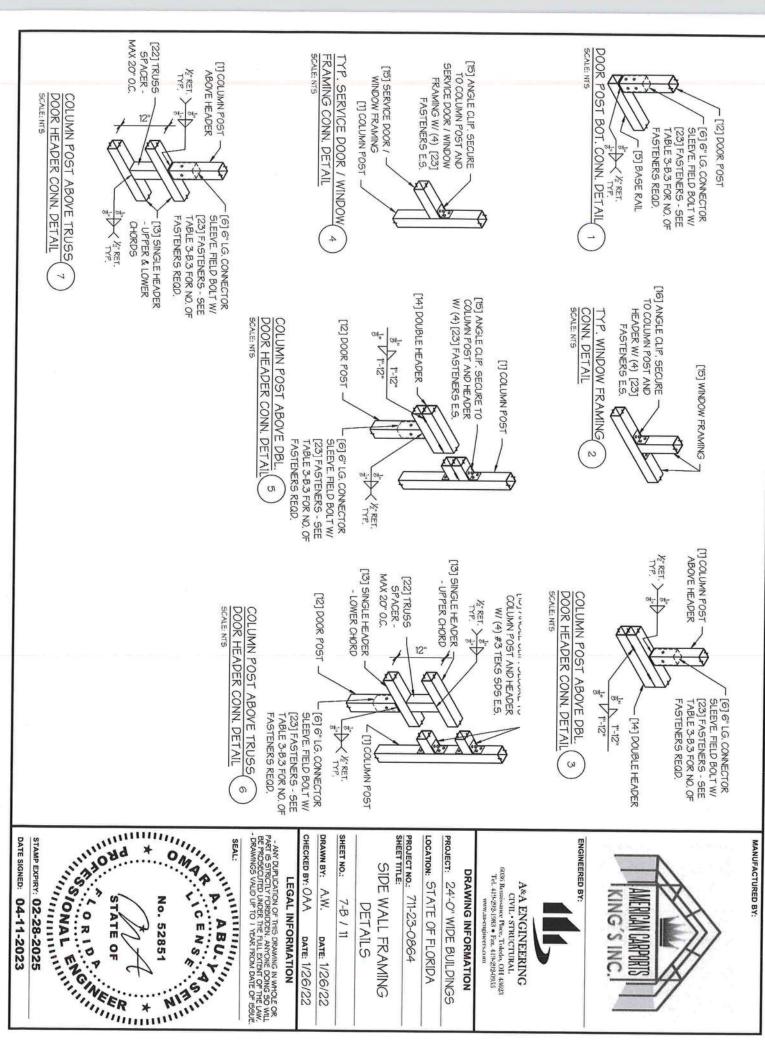
DRAWN BY: SHEET NO .: A.W. & OPENINGS 7-A / 11 DATE: 1/26/22

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SHEET NO .:

7-B / 11

A.W.

LEGAL INFORMATION

DATE: 1/26/22 DATE: 1/26/22 LOCATION: STATE OF FLORIDA

SIDE WALL FRAMING

DETAILS

PROJECT:

24'-0" WIDE BUILDINGS

DRAWING INFORMATION

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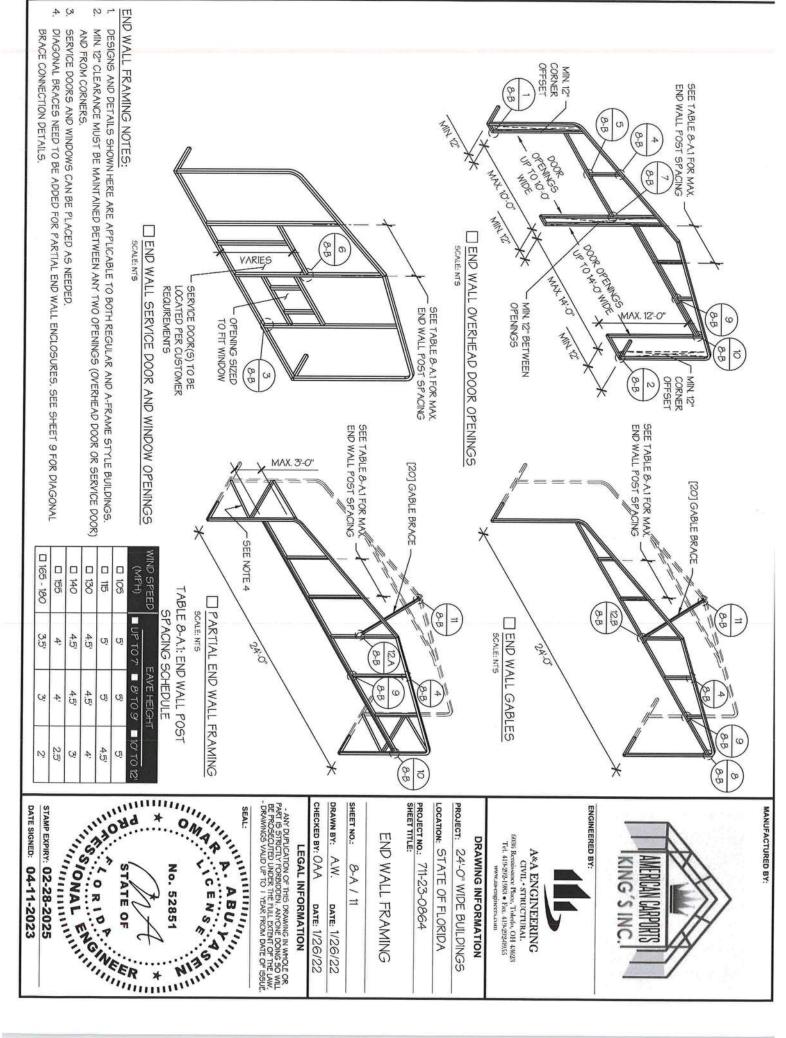
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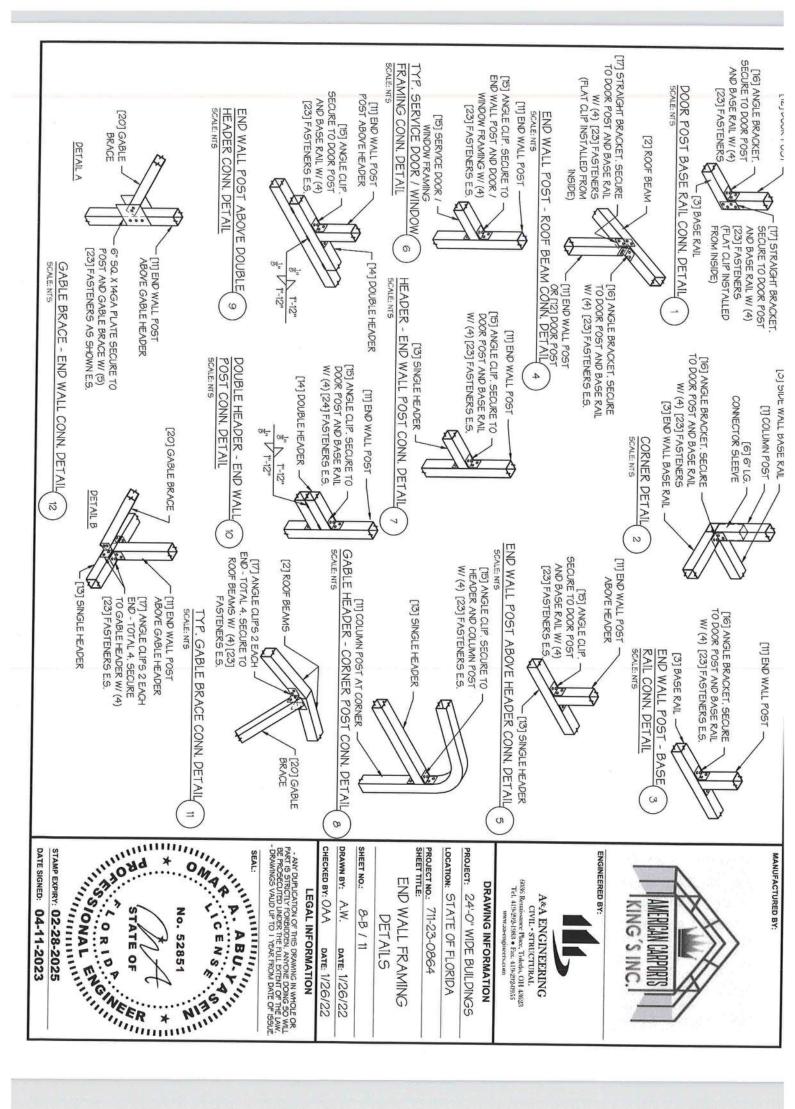
STAMP EXPIRY: 02-28-2025

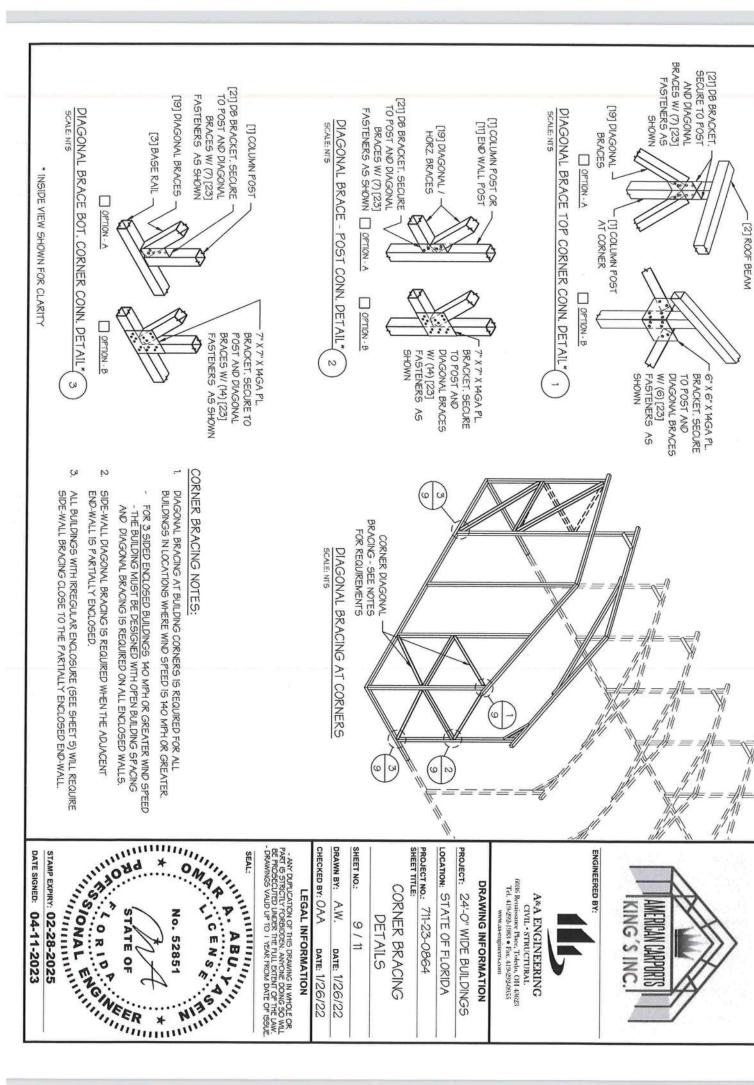
DATE SIGNED: 04-11-2023

MANUFACTURED BY:



DATE: 1/26/22 DATE: 1/26/22





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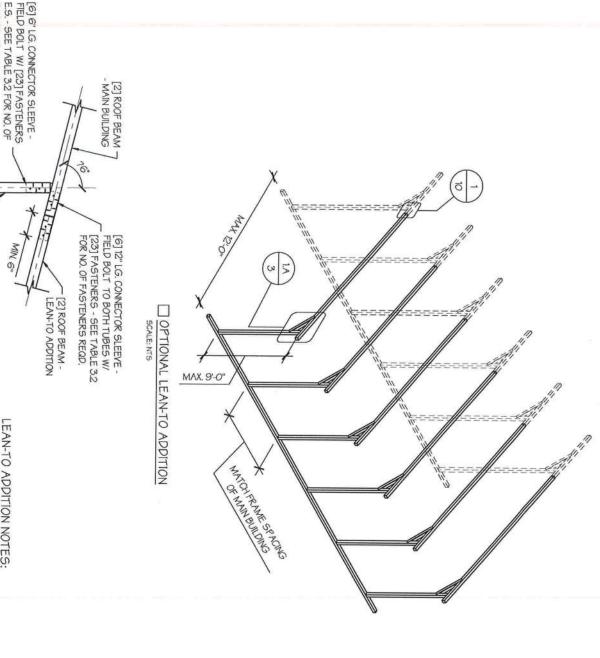
24'-O" WIDE BUILDINGS

CORNER BRACING

DETAILS 9/11

LEGAL INFORMATION

DATE: 1/26/22 DATE: 1/26/22 MANUFACTURED BY:



LEAN-TO ADDITION NOTES:

FASTENERS REQD.

LEAN-TO ATTACHMENT DETAIL

LEAN-TO ADDITIONS CAN BE ADDED ON EITHER OR BOTH SIDES OF THE BUILDING.

[1] COLUMN POST - FOR EAVE HEIGHTS 2.25 X 14GA TUBE INTO COLUMN POST GREATER THAN 8'-0" INSERT TS 2.25 X

- HAVE TO MATCH THAT OF THE MAIN STRUCTURE. ROOF SLOPE, PURLIN, GIRT AND FRAME SPACING OF THE ADDITION
- IF THE LEAN-TO ADDITION IS "OPEN "(BOTH END WALLS OR SIDE WALL IS NOT ENCLOSED), THE DESIGN OF THE MAIN BUILDING HAS TO USE THE FRAME SPACING OF AN OPEN BUILDING FROM TABLE 4.

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DRAWING INFORMATION

PROJECT NO.: 711-23-0864 LOCATION: STATE OF FLORIDA 24'-0" WIDE BUILDINGS

OPTIONAL LEAN-TO ADDITION

CHECKED BY: OAA DRAWN BY: A.W. 10/11 DATE: 1/26/22 DATE: 1/26/22

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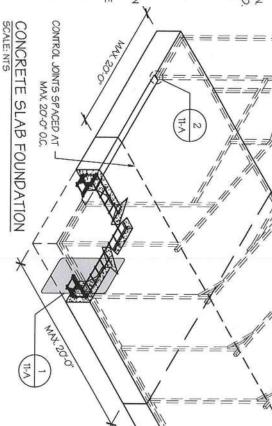
MANUFACTURED BY:

CONCRETE SLAB FOUNDATION NOTES

= //,

MANUFACTURED BY:

- DESIGNS SHOWN ON THIS SHEET ARE FOR CONCRETE SLAB FOUNDATION ANY OF THE FOUNDATIONS SHOWN ON SHEETS 11-A THRU C CAN BE USED
- CONCRETE ANCHORS SHALL BE LOCATED NEXT TO EVERY POST AND ON ANCHOR IS TO BE ON EACH SIDE OF THE COLUMN POST BASE RAIL. IN LOCATIONS REQUIRING TWO ANCHORS DUE TO WIND, ONE CORNERS OF ENCLOSED BUILDINGS WITH END WALLS - ONE ON EACH EITHER SIDE OF OPENINGS. TWO ANCHORS SHALL BE INSTALLED AT
- ANCHORS IN CLOSE PROXIMITY TO EACH OTHER MUST HAVE A MIN. 4"
- 4 MIN NUMBER OF CONCRETE ANCHORS PER POST SHALL BE AS SHOWN IN
- 9 U BUILDING PLUS 5%" FOR 14GA MATERIAL AND 52" FOR 12GA MATERIAL THE SIZE OF THE SLAB SHALL BE THE SIZE (WIDTH AND LENGTH) OF THE
- CONTROL JOINTS SHALL BE PLACED SO AS TO LIMIT MAX. SLAB SPANS DEPTH OF SLAB TURN DOWN FOOTING SHALL BE GREATER THAN FROST DEPTH SPECIFIED PER LOCAL CODE.
- TO 20' IN EACH DIRECTION
- 00 00 CONCRETE STRENGTH TO BE A MIN OF 2500 PSI @ 28 DAYS ASSUMED SOIL BEARING CAPACITY IS TO BE A MIN. OF 1500 PSF



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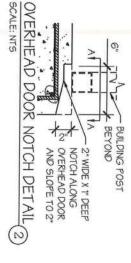


TABLE 11-A.1: NOTCH WIDTH

□ 14GA 23/4" ORIZONTAL/OPEN □ 12GA 27/8" D 14GA 13/4" □ 12GA 17/8"

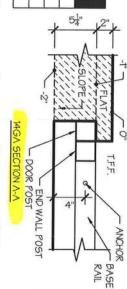
NOTE: DEPTH IS TO BE 1 1/2"

SLAB ANCHOR SCHEDULE TABLE 11-A.2: CONCRETE

ENCLOSURE	WIND SPEED (MPH)	ANCHOR SIZE/NUMBER
EVCI OCEO	0105 10 135	(T) W"2VI (T)
בו להסטרע	□136 TO 180	(2) 1/2"Ø X 7"
OPEN	□105 TO 135	(1) 1/2"Ø x 7"
5	081 01 961	(2) 1/2"Ø X 7"

- 1. ANCHORS ARE TO BE CONCRETE WEDGE OR MIN. EMBEDMENT DEPTH TO BE 28" EXPANSION ANCHORS.
- ANCHORS TO BE SPACED NO MORE THAN 6"

Sis



PROJECT NO.: 711-23-0864 SHEET TITLE: LOCATION: STATE OF FLORIDA

FOUNDATION OPTION 1:

CONCRETE SLAB

11-A / 11

PROJECT:

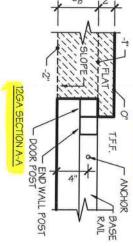
DRAWING INFORMATION

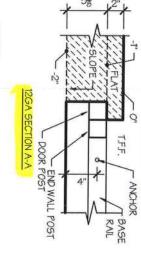
24'-0" WIDE BUILDINGS

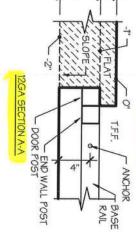
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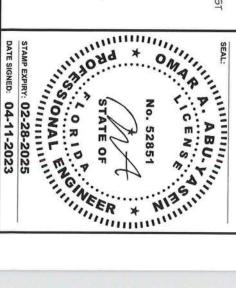


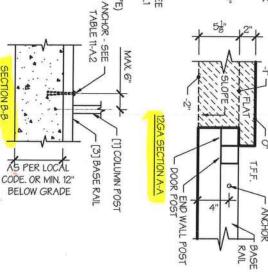
CHECKED BY: OAA

DATE: 1/26/22 DATE: 1/26/22

LEGAL INFORMATION

DRAWN BY: A.W. SHEET NO .:





CRETE SLAB

W6X6-6/6 WELDED

WIRE OR #4 @ 24"

0

0 4

AS PER LOCAL CODE. OR MIN. 12" BELOW GRADE

NOTCHED EDGE DETAIL
AS PER LOCAL
CODE. OR MIN. 12"
BELOW GRADE

BELOW GRADE

BY MANUFACTURER E.W., OR FIBER MESH AS RECOMMENDED

STANDARD EDGE DETAIL (3) #4 REBAR CONT. -

EDGE OFFSET DETAIL

SECTION B-B

SCALE: NTS

MN 4" TK

ANCHOR - SEE TABLE 11-A.2

[3] BASE RAIL

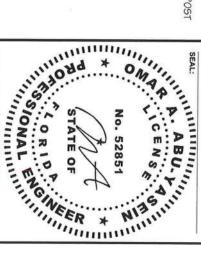
MIN. 4" EDGE DIST.

NOTCH - SEE TABLE 11-A.1 GRADE (2% SLOPE)

SLOPE - AWAY FROM SLAB)

[I] COLUMN POST

MIN 4" EDGE DIST.



GROUND TABLE 4: FRAME SPACING CHART / SCHEDULE

	0.000	6		ENCLO	ENGLOSED BUILDINGS	JING'S			The second		OPE	OPEN BUILDINGS	GS GS		
	ROOF LIVE			WIND	WIND SPEED (MPH)	MPH)	-				WIND	WIND SPEED (MPH)	NPH)		
	LOAD (PSF)	0105	0115	0.00	0410	155	□165	081	0105	□ 116	□130	D140	155	165	8 -
	□30/20	60	60	54/60	72	42	42	36	48	48	48	42	36	30	24
0"	040/27	48/60	48/60	42/60	42/54	42	42	36	42	42	42	42	36	30	24
12'	050/34	40/48	40/48	40/48	40/48	40/42	40/42	36	30	8	8	8	30	30	24
TO	060/41	36	36	36	36	36	36	36	8	3	8	30	30	3	24
-0"	070 / 47	30	30	30	30	30	30	8	24	24	24	24	24	24	24
10	□80/54	24	24	24	24	24	24	24	24	24	13	8	8	8	<i>6</i>
	090/61		* * * *	4.4.4	***	i	:					1.		N. S. L.	
	□30/20	60	60	54/60	54	48	42/48	42	72	72	48/54	42/54	36/48	36	30
o"	040/27	48/60	48/60	42/60	42/54	42/48	42/48	42	42	42	42	42	36/42	36	8
9'-	□50/34	40/48	40/48	40/48	40/48	40/48	40/48	40/42	36	36	36	36	36	36	8
TO	060/41	36	36	36	36	36	36	36	30	30	8	30	30	30	8
-0"	070/47	30	30	30	30	30	30	30	24	24	24	24	24	24	24
7	□80/54	24	24	24	24	24	24	24	24	24	24	24	24	24	24
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S	□30/20	60	60	54/60	54	48	42/48	42	60	54/60	48/60	42/54	36/48	36/42	36
)'' ''	040/27	48/60	48/60	42/60	42/54	42/48	42/48	42	48	48	42/48	42/48	36/48	36/42	36
6'-	050/34	40/48	40/48	40/48	40/48	40/48	40/48	40/42	40/42	40/42	40/42	40/42	36/42	36	36
то	060/41	36	36	36	36	36	36	36	36	36	36	36	36	36	30
JP.	070/47	30	30	30	30	30	8	30	30	30	8	30	30	30	8
	□80/54	24	24	24	24	24	24	24	24	24	24	24	24	24	24
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1															

_ EAVE HEIGHT =

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EAVE HEIGHT =

- NOTES:

 1. FRAME SPACINGS ARE IN UNITS OF INCHES (IN).
- WHERE TWO VALUES ARE SHOWN, THE HIGHER VALUE CAN ONLY BE USED FOR VERTICAL SHEATHING.
 SNOW LOADS AND ROOF LIVE LOADS ARE IN POUNDS PER SQUARE FOOT (PSF). WIND SPEED IS 3 SEC. GUST IN MILES PER HOUR (MPH). FOR VALUES THAT LIE BETWEEN TWO CELLS, THE HIGHER (MORE STRINGENT) VALUE HAS TO BE USED. INTERPOLATION BETWEEN CELLS IS NOT ALLOWED

ENCLOSURE CLASSIFICATION:

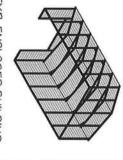
- OPEN BUILDING = ALL 4 WALLS FULLY OPEN = USE OPEN BUILDING SPACING CHART. ENCLOSED BUILDING = ALL 4 WALLS FULLY ENCLOSED WITH DOORS/WINDOWS = USE ENCLOSED BUILDING SPACING CHART.
- (VI N SFT PARTIALLY ENCLOSED = BOTH END-WALLS FULLY OPEN, WITH BOTH SIDE-WALLS ONLY
- 4 PARTIALLY ENCLOSED = BOTH END-WALLS FULLY OPEN, WITH BOTH SIDE-WALLS 3FT ENCLOSED = USE OPEN BUILDING SPACING CHART.
- C) 3 SIDED ENCLOSED = ALL WALLS ARE ENCLOSED EXCEPT FOR 1 END-WALL = START WITH ENCLOSED BUILDING SPACING + THE OPEN END FRAME MUST HAVE EITHER A GABLED END OR HAVE DOUBLED WELDED LEGS & ROOF. ENCLOSED MORE THAN 3FT = START WITH OPEN BUILDING SPACING CHART AND THEN REDUCE SPACING BY 6".
- 9 FOR ALL SHEATHING ENCLOSURES NOT LISTED ABOVE, REFER TO SHEET 5 FOR SPACING AND DESIGN REQUIREMENTS.

GENERAL NOTES:

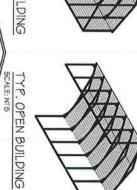
- THE MAX, BUILDING LENGTH FOR ENCLOSED BUILDINGS IS 50'-0". THIS CAN BE INCREASED BY ADDING A DOUBLE FRAME AT THE CENTER TO BREAK THE LENGTH OF THE BUILDING.
- BUILDINGS WITH <u>PARTIALLY ENCLOSED END WALLS</u> NEED TO HAVE SIDE WALL BRACING TO SUPPORT THE <u>PARTIALLY ENCLOSED</u> END WALL. (SEE FIGURE A ON SHEET 5).

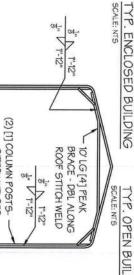
N

ALL BUILDINGS WITH AN OPEN END WALL MUST HAVE A 10'-0" TUBE PEAK BRACE











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ENGINEERED BY:

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PROJECT NO.: 711-23-0864 LOCATION: STATE OF FLORIDA PROJECT: 24'-0" WIDE BUILDINGS

SPACING SCHEDULES & ENCLOSURE NOTES

SHEET TITLE:

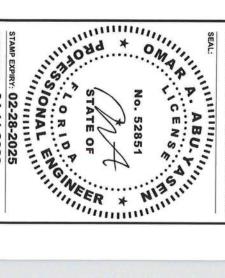
CHECKED BY: OAA DRAWN BY: A.W. DATE: 1/26/22 DATE: 1/26/22

SHEET NO .:

4/11

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DATE SIGNED: 04-11-2023

SIDE ENCLOSED BUILDING YP. OPEN END WALL ON 3

STITCH WELDED

TABLE 5.1: PURLIN SPACING SCHEDULE

		Э:	CINC		. SI 5' C		RA	F	€:	INC		51 1' 6	ME.	RA	F	}:	SINC	² AC)"	51 1' C	ME □ 4	RA			SINC	2AC 5"	. 51 3' 6	ME U	RA	F	∋: !	JINC VER	PAC LOV	SI OR I	ME O" (RA 3'-(
SNOW /	LOAD (PSF)	030/20	0 40 / 27	050/34	0 60 / 41	0 70 / 47	080/54	0 90 / 61	030/20	0 40 / 27	050/34	0 60 / 41	0 70 / 47	080/54	090/61	030/20	0 40 / 27	050/34	0 60 / 41	0 70 / 47	080/54	0 90 / 61	030/20	D 40/27	050/34	0 60 / 41	0 70 / 47	080/54	0 90 / 61	030/20	0 40 / 27	050/34	0 60 / 41	0 70 / 47	080/54	0 90 / 61
	<u>g</u> _	72	42	40	36	32	8	24	72	42	40	36	32	32	30	2	42	8	8	32	32	30	27	42	4	36	32	32	30	72	42	4	36	32	32	30
- 3	ਲੋਹ	48	42	40	36	32	30	24	48	42	8	36	32	32	8	48	42	40	36	32	32	30	48	42	40	36	32	32	30	48	42	40	36	32	32	8
WIND	<u>%</u> 0	42	42	40	36	32	8	24	42	42	40	36	32	32	8	42	42	8	36	32	32	30	42	42	8	36	32	32	30	42	42	8	8	32	32	30
WIND SPEED (MPH)	□ ₹ □	36	36	36	8	32	8	24	42	42	40	36	32	32	8	42	42	8	36	32	32	30	42	42	40	36	32	32	8	42	42	40	36	32	32	3
(MPH)	였ㅁ	8	8	30	30	30	30	24	36	36	36	8	32	32	8	36	36	36	36	32	32	30	36	36	36	36	32	32	8	36	36	36	36	32	32	8
ے ا	<u>g</u> n	24	24	24	24	24	24	24	8	8	8	8	30	8	8	36	36	36	36	32	32	8	36	36	36	36	32	32	3	36	36	36	36	32	32	8
2	<u>8</u> -1	24	24	24	24	24	24	24	30	30	8	30	30	8	8	30	30	30	30	30	30	30	30	30	8	30	30	8	8	30	30	30	8	8	8	8
	었 _ㅁ ,	36	30	24	18	Ö	18	12	48	42	30	30	24	8	8	52	42	8	36	30	24	24	2	42	40	36	32	32	30	72	42	40	36	32	32	8
Į į	ਗੋ□	8	30	24	<u>0</u>	18	18	22	36	36	30	30	24	18	13	48	42	40	36	8	24	24	48	42	40	36	32	32	30	48	42	40	36	32	32	8
WIND SPEED (MPH	<u></u>	24	24	24	18	18	18	12	30	8	30	30	24	18	18	36	36	36	36	30	24	24	42	42	40	36	32	32	30	42	42	40	36	32	32	8
SPEED	o 5	ā	18	18	18	18	Ö	12	24	24	24	24	24	18	Ö	30	30	30	30	30	24	24	42	42	40	36	32	32	30	42	42	40	36	32	32	3
(MPH)	<u>ფ</u> _	<u>8</u>	18	8	18	Ö	Ö	12	Ö	8	8	8	8	16	8	24	24	24	24	24	24	24	36	36	36	36	32	32	30	36	36	36	36	32	32	8
- OVEIN	<u>ფ</u> _	12	12	12	12	12	12	12	ā	$\vec{\omega}$	8	8	8	8	18	24	24	24	24	24	24	24	30	30	30	30	30	30	30	36	36	36	36	32	32	8
Z	<u>8</u> _	13	12	22	13	r3	73	73	12	rs	ಣ	Ŋ	13	r3	13	8	13	8	8	8	9	<i>∞</i>	30	30	30	30	30	30	30	30	30	30	30	30	30	8

02'-0' TO 3'-0"

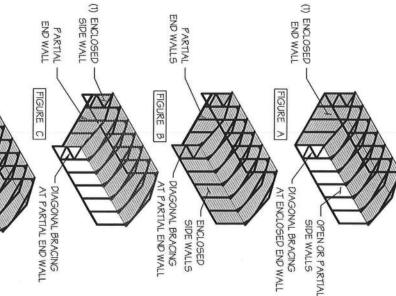
- THIS SCHEDULE IS TO BE USED FOR BOTH 14GA AND 18 GA PURLINS.

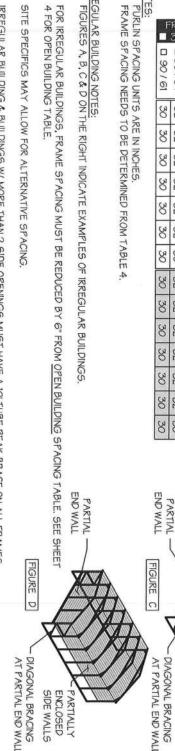
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MERICAN CARPORTS

FRAME SPACING NEEDS TO BE DETERMINED FROM TABLE 4.





IRREGULAR BUILDING NOTES:

1. FIGURES A, B, C & D ON THE RIGHT INDICATE EXAMPLES OF IRREGULAR BUILDINGS.

FRAME SPACING NEEDS TO BE DETERMINED FROM TABLE 4.

PURLIN SPACING UNITS ARE IN INCHES.

NOTES:

LOCATION: STATE OF FLORIDA PROJECT: DRAWING INFORMATION 24'-0" WIDE BUILDINGS www.aa-engineers.com

DRAWN BY: SHEET NO .: SPACING SCHEDULES PURLIN & GIRT A.W. 5 / 11 DATE: 1/26/22

SHEET TITLE:

PROJECT NO.: 711-23-0864

CHECKED BY: OAA LEGAL INFORMATION DATE: 1/26/22

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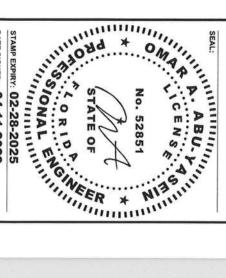


TABLE 5.2: GIRT SPACING SCHEDULE

MANUFACTURED BY:

NOTES:

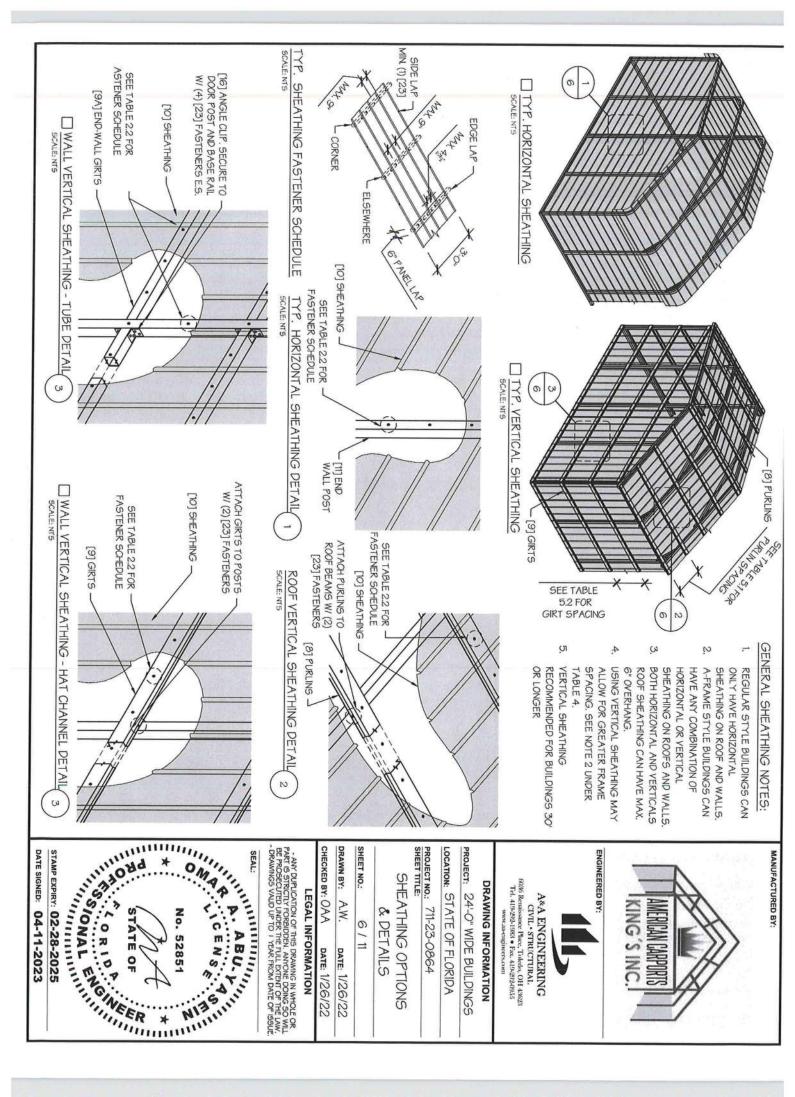
I. GIRT SPACING UNITS ARE IN INCHES. 8 60 54 54 48 42

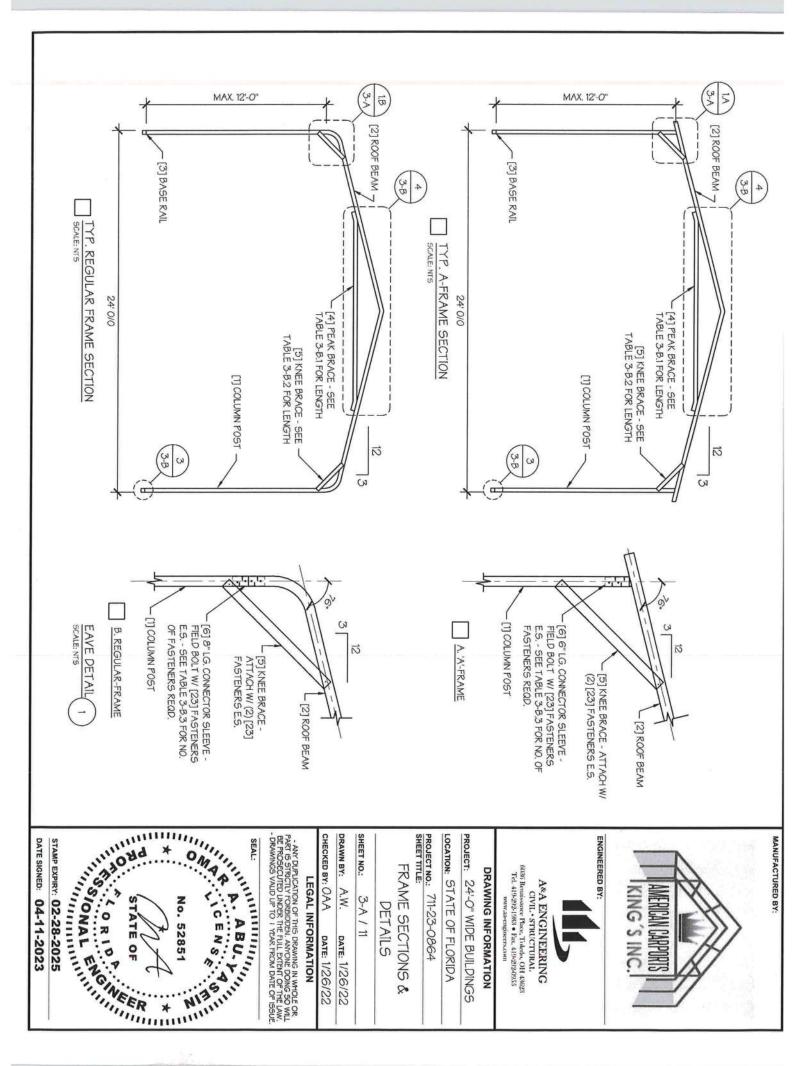
6036 Renaissance Place, Toledo, OH 43623 Tel. 419-202-1983 • Fax. 419-292-0955 A&A ENGINEERING CIVIL • STRUCTURAL

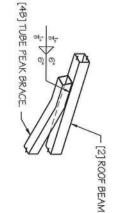
IRREGULAR BUILDING & BUILDINGS W/ MORE THAN 2 SIDE OPENINGS MUST HAVE A 10' TUBE PEAK BRACE ON ALL FRAMES

SITE SPECIFICS MAY ALLOW FOR ALTERNATIVE SPACING.

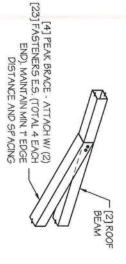
4 FOR OPEN BUILDING TABLE.







A. PEAK BRACE TUBE



B. PEAK BRACE CHANNEL

PEAK BRACE CONNECTION DETAILS
SCALE: NTS



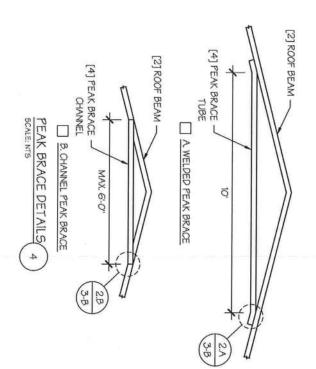
LIVE LOAD (PSF) 0105 TO 130 0140 TO 180		PEED 140 TO 180	- 11	FROUND SNOW / ROO LIVE LOAD (PSF)
	0UND \$NOW / ROOF WIND \$PEED UND LOAD (PSF) 0105 TO 130 0140 TO 180	Į Q	ý <i>v</i>	35 / 25 10 90 / 61
		PEED	T .	ROUND SNOW / ROC

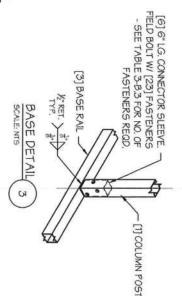
TABLE 3-B.2: KNEE BRACE SCHEDULE

300	□ 9'T012'
24"	DUP TO 8
KNEE BRACE LENGTH	EAVE HEIGHT

TABLE 3-B.3 FASTENER SCHEDULE

8	081 01 091 0
0	□ 130 TO 155
4	□ 105 TO 125
WIND SPEED (MPH) NO. OF FASTENERS	WIND SPEED (MPH)
アプトレップ・ノン・ロバース ひくコーアントロ	プラト ワープ・ブー ハン





NOTE: COLUMN POST MAY BE ADJUSTED ±1" FOR LEVELING.
MANUFACTURER IS NOT RESPONSIBLE FOR LEVELING OF GROUND
AND/OR CONCRETE SURFACE PROVIDED BY OTHERS.

STAMP EXPIRY: 02-28-2025

DATE SIGNED: 04-11-2023



MANUFACTURED BY:

ENGINEERED BY:



A&A ENGINEERING
CIVIL - STRUCTURAI.
328 Rensissance Place, Taledo, OH 43623
Tel. 419-293-1938 - Fax. 419-293-0955
www.as-engineers.com

DRAWING INFORMATION

PROJECT: 24'-O" WIDE BUILDINGS
LOCATION: STATE OF FLORIDA

PROJECT NO.: 711-23-0864 SHEET TITLE:

FRAME DETAILS

CHECKED BY: OAA DATE	DRAWN BY: A.W. DATE	SHEET NO.:
DATE: 1/26/22	DATE: 1/26/22	

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- DRAWINGS VALID UP TO 1 YEAR FROM DATE OF ISSUE.



TABLE 11-B.1: ANCHOR SCHEDULE

=/\) |\\ |\\

MANUFACTURED BY:

ENCLOSURE	(MPH)	SIZE/NUMBER
ENCI OSEO	0105 10 135	(1) 1/2"Ø x 7"
LI WLOOLD	□136 TO 180	(2) 1/2"Ø X 7"
Opri	□105 10 135	(1) 1/2"Ø x 7"
5	□136 TO 180	(2) 1/2"Ø X 7"

- ANCHORS ARE TO BE CONCRETE WEDGE OR EXPANSION ANCHORS
- MIN. EMBEDMENT DEPTH TO BE 28
- ANCHORS TO BE SPACED NO MORE THAN 6" FROM POSTS.

=-||| |||

TABLE 11-B.2: CONC. STRIP SCHEDULE

D165 TO	0410	0105	√) GNIM
7	70	70	党別
180	셠	130) EED
30" × 12" 24 × 15" 20" × 18"	24" X 12"	15" X 12"	MIN. SIZE REQD.

///

NOTES:

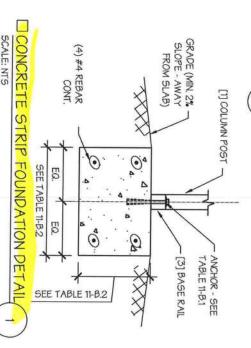
NOTES:

NOTES: BE INTERCHANGED

END WALLS AND OVERHEAD DOOR OPENINGS 778 SCALE: NTS CONCRETE STRIP FOUNDATION

CONCRETE STRIP FOUNDATION NOTES:

- OF THE FOUNDATIONS SHOWN ON SHEETS 11-A THRU C CAN BE USED DESIGNS SHOWN ON THIS SHEET ARE FOR CONCRETE STRIP FOUNDATION. ANY
- N ENCLOSED BUILDINGS WITH END WALLS - ONE ON EACH BASE RAIL, IN LOCATIONS SIDE OF OPENINGS. TWO ANCHORS SHALL BE INSTALLED AT CORNERS OF CONCRETE ANCHORS SHALL BE LOCATED NEXT TO EVERY POST AND ON EITHER REQUIRING TWO ANCHORS DUE TO WIND, ONE ANCHOR IS TO BE ON EACH SIDE OF THE COLUMN POST.
- MIN. NUMBER OF CONCRETE ANCHORS PER POST SHALL BE AS SHOWN IN TABLE
- ANCHORS IN CLOSE PROXIMITY TO EACH OTHER MUST HAVE A MIN. 4" SPACING
- 4. 10. DEPTH OF CONCRETE STRIP FOOTING SHALL BE GREATER THAN FROST DEPTH SPECIFIED PER LOCAL CODE.
- ASSUMED SOIL BEARING CAPACITY IS TO BE A MIN. OF 1500 PSF
- 0 10 CONCRETE STRENGTH TO BE A MIN OF 2500 PSI @ 28 DAYS.
- BUILDING IS TO BE MOUNTED ON THE CENTER OF THE STRIP FOUNDATION





ENGINEERED BY:



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DRAWING INFORMATION

SHEET TITLE: PROJECT NO.: 711-23-0864 LOCATION: STATE OF FLORIDA PROJECT: 24'-O" WIDE BUILDINGS

SHEET NO .: FOUNDATION OPTION 2: CONCRETE STRIP 11-13 / 11

LEGAL INFORMATION

CHECKED BY: OAA

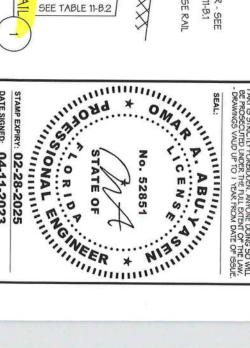
DATE: 1/26/22 DATE: 1/26/22

DRAWN BY:

A.W.

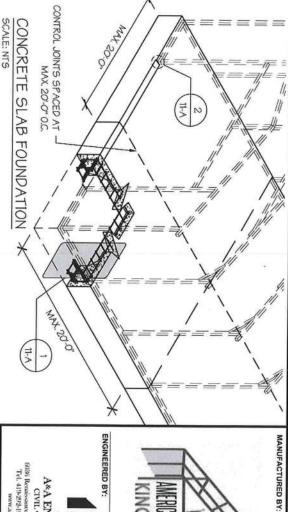
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- DRAWINGS VAUD UP TO 1 YEAR FROM DATE OF ISSUE.



CONCRETE SLAB FOUNDATION NOTES:

- DESIGNS SHOWN ON THIS SHEET ARE FOR CONCRETE SLAB FOUNDATION. ANY OF THE FOUNDATIONS SHOWN ON SHEETS 11-A THRU C CAN BE USED
- N WIND, ONE ANCHOR IS TO BE ON EACH SIDE OF THE COLUMN POST. EACH BASE RAIL. IN LOCATIONS REQUIRING TWO ANCHORS DUE TO ON EITHER SIDE OF OPENINGS, TWO ANCHORS SHALL BE INSTALLED CONCRETE ANCHORS SHALL BE LOCATED NEXT TO EVERY POST AND AT CORNERS OF ENCLOSED BUILDINGS WITH END WALLS - ONE ON
- 4 ANCHORS IN CLOSE PROXIMITY TO EACH OTHER MUST HAVE A MIN. 4" χ
- O MIN. NUMBER OF CONCRETE ANCHORS PER POST SHALL BE AS SHOWN THE SIZE OF THE SLAB SHALL BE THE SIZE (WIDTH AND LENGTH) OF IN TABLE 11-A.1.
- MATERIAL THE BUILDING PLUS 2" FOR 14GA MATERIAL AND 1" FOR 12GA
- 9 DEPTH OF SLAB TURN DOWN FOOTING SHALL BE GREATER THAN FROST DEPTH SPECIFIED PER LOCAL CODE
- CONTROL JOINTS SHALL BE PLACED SO AS TO LIMIT MAX. SLAB SPANS TO 20' IN EACH DIRECTION.
- 00 ASSUMED SOIL BEARING CAPACITY IS TO BE A MIN. OF 1500 PSF
- CONCRETE STRENGTH TO BE A MIN OF 2500 PSI @ 28 DAYS.



KING'S INC

SLAB ANCHOR SCHEDULE TABLE 11-A.1: CONCRETE

		NOTES.	
(2) 1/2"Ø X 7"	□136 TO 180	Ģ	
(1) 1/2"Ø X 7"	□105 TO 135	NEGO	- BASE PAII
(2) 1/2"Ø X 7"	□136 TO 180	000	OR
(1) 1/2"Ø X 7"	□105 TO 135	FNCIOSED	
ANCHOR SIZE/NUMBER	WIND SPEED (MPH)	ENCLOSURE	

- ANCHORS ARE TO BE CONCRETE WEDGE OR EXPANSION ANCHORS.
- MIN. EMBEDMENT DEPTH TO BE 28
- ANCHORS TO BE SPACED NO MORE THAN 6" FROM POSTS.

DOOR POST

- END WALL POST

SCALE: NTS

CONCRETE SLAB

MIN 4" TH

ANCHOR - SEE TABLE 11-A.1 -

[7] BASE ANGLE -

MIN 4" EDGE DIST.

[1] COLUMN POST [3] BASE RAIL

ANCHOR - SEE

[1] COLUMN POST [3] BASE RAIL

TABLE 11-A.1

BY MANUFACTURER E.W.OR FIBER MESH

(3) #4 REBAR CONT. J

DEDGE FLUSH DETAIL

SCALE: NTS

AS RECOMMENDED

W6X6-6/6 WELDED

WIRE OR #4 @ 24"

0

0

CODE, OR MIN. 12

SECTION B-B

AS PER LOCAL CODE, OR MIN. 12'

BELOW GRADE

AS PER LOCAL BELOW GRADE

L GRADE (MIN. 2% SLOPE - AWAY FROM SLAB)

OVERHEAD DOOR NOTCH DETAIL

N

AND SLOPE TO 2" OVERHEAD DOOR NOTCH ALONG 2" WIDE X I" DEEF BEYOND BUILDING POST

F

ANCHOR

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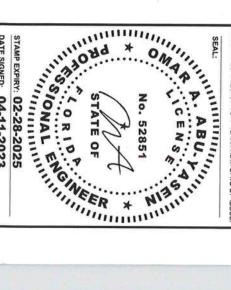
SHEET TITLE: PROJECT NO.: 711-23-0864 LOCATION: STATE OF FLORIDA PROJECT: FOUNDATION OPTION 1: 24'-0" WIDE BUILDINGS

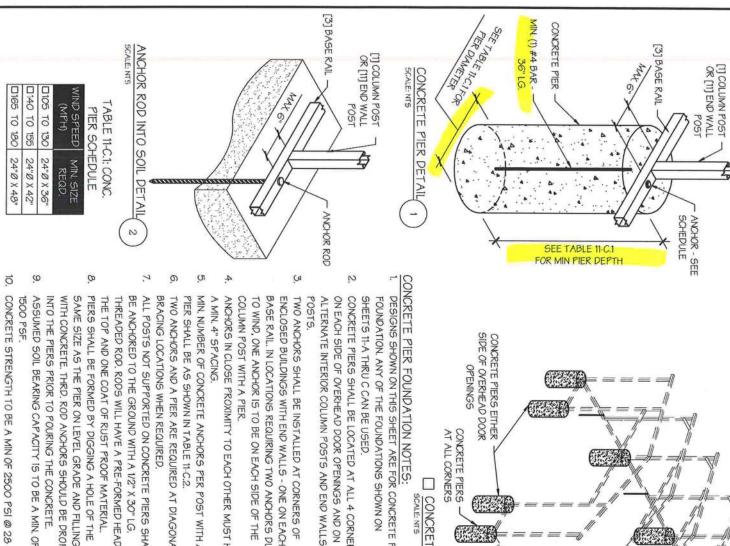
CHECKED BY: OAA DRAWN BY: SHEET NO .: CONCRETE SLAB A.W. 11-A / 11 DATE: 1/26/22 DATE: 1/26/22

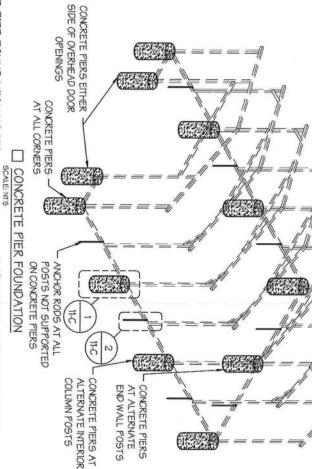
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ENGINEERED BY:

KING'S INC

MANUFACTURED BY:

CONCRETE PIER FOUNDATION NOTES:

CONCRETE PIERS SHALL BE LOCATED AT ALL 4 CORNERS DESIGNS SHOWN ON THIS SHEET ARE FOR CONCRETE PIER SHEETS 11-A THRU C CAN BE USED. ON EACH SIDE OF OVERHEAD DOOR OPENINGS AND ON FOUNDATION. ANY OF THE FOUNDATIONS SHOWN ON

BASE RAIL. IN LOCATIONS REQUIRING TWO ANCHORS DUE ENCLOSED BUILDINGS WITH END WALLS - ONE ON EACH TWO ANCHORS SHALL BE INSTALLED AT CORNERS OF COLUMN POST WITH A PIER TO WIND, ONE ANCHOR IS TO BE ON EACH SIDE OF THE

ANCHORS IN CLOSE PROXIMITY TO EACH OTHER MUST HAVE A MIN. 4" SPACING.

MIN. NUMBER OF CONCRETE ANCHORS PER POST WITH A PIER SHALL BE AS SHOWN IN TABLE 11-C.2.

ALL POSTS NOT SUPPORTED ON CONCRETE PIERS SHALL BRACING LOCATIONS WHEN REQUIRED TWO ANCHORS AND A PIER ARE REQUIRED AT DIAGONAL

PIERS SHALL BE FORMED BY DIGGING A HOLE OF THE WITH CONCRETE. THRD. ROD ANCHORS SHOULD BE DROPPED SAME SIZE AS THE PIER ON LEVEL GRADE AND FILLING IT BE ANCHORED TO THE GROUND WITH A 1/2" X 30" LG THREADED ROD. RODS WILL HAVE A PRE-FORMED HEAD AT THE TOP AND ONE COAT OF RUST PROOF MATERIAL

ASSUMED SOIL BEARING CAPACITY IS TO BE A MIN. OF 1500 PSF. INTO THE PIERS PRIOR TO POURING THE CONCRETE.

ENCLOSURE	WIND SPEED (MPH)	ANCHOR SIZE/NUMBER
	□105 TO 135	L X Ø Z./1 (1)
בואכרטטבע	□136 TO 180	(2) 1/2"Ø X 7"
	0105 10 135	(1) 1/2"Ø x 7"
Z C	□136 TO 180	"7 X Ø"2/I (2)

SHEET TITLE:

PROJECT NO.: 711-23-0864 LOCATION: STATE OF FLORIDA

ANCHORS ARE TO BE CONCRETE WEDGE OR EXPANSION ANCHORS

MIN. EMBEDMENT DEPTH TO BE 28"

ANCHORS TO BE SPACED NO MORE THAN 6" FROM POSTS.

TABLE 11-C.2: ANCHOR SCHEDULE

PROJECT:

DRAWING INFORMATION

24'-0" WIDE BUILDINGS

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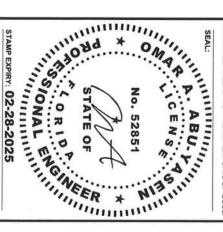
NCLOSURE	WIND SPEED (MPH)	ANCHOR SIZE/NUMBER
ENCLOSED.	□105 T0 135	(1) 1/2"Ø X 7"
ENCLUDED	□136 TO 180	(2) 1/2"Ø X 7"
Cocn	0105 10 135	(1) 1/2"Ø X 7"
Ci Ci	□136 TO 180	(2) 1/2"Ø X 7"
OTES:		

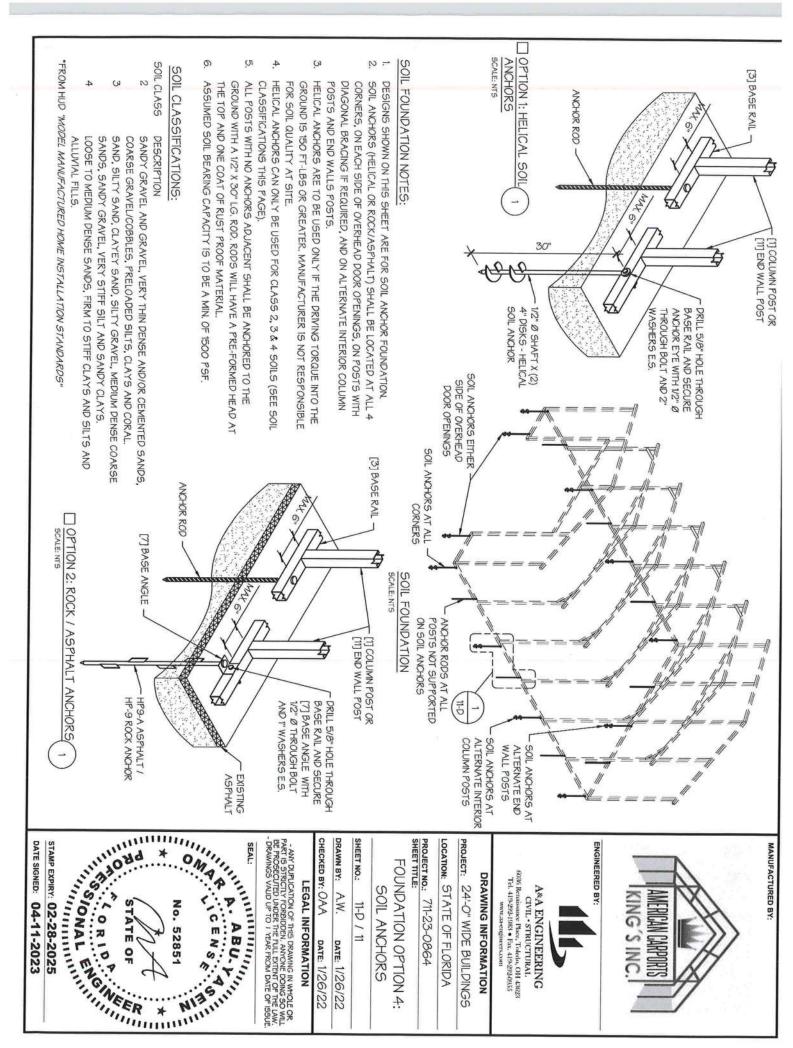
SHEET NO .: FOUNDATION OPTION 3: CONCRETE PIERS 170/11

CHECKED BY: OAA DRAWN BY: A.W. DATE: 1/26/22 DATE: 1/26/22

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DATE: 1/26/22