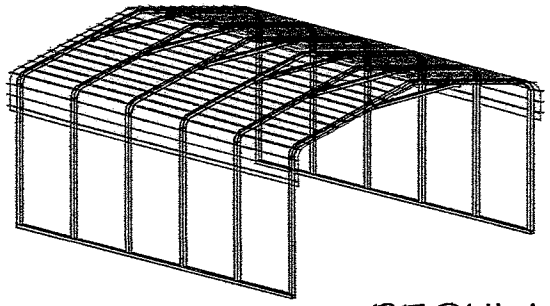
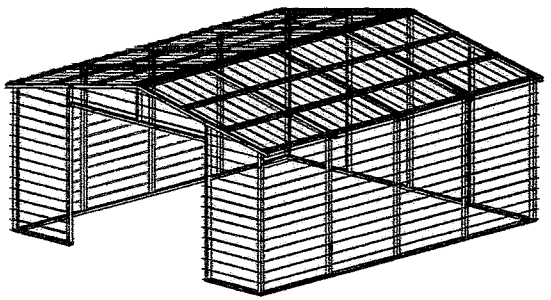




REGULAR / A-FRAME
20'-0" WIDE
CARPORT STYLE BUILDINGS

DESIGN NOTES

1. ALL CONSTRUCTION SHALL BE PROVIDED IN ACCORDANCE WITH IBC 2018, OSHA, AISC 360, AISI 100, ASCE 7-16, AWS D1.3 CODES AND ALL APPLICABLE LOCAL REQUIREMENTS.
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 ¾" SDS (ESR-2196 OR EQ) WITHOUT WASHERS.
5. STEEL SHEATHING SHALL BE 29GA. CORRUGATED GALV OR PAINTED STEEL - MAIN RIB HT 3/4" (FY=80KSI) OR EQ. CONNECTIONS SHALL BE #12-14 X ¾" SDS (ESR 2196 OR EQ) WITH NEOPRENE WASHERS.
6. ALL STRUCTURAL LIGHT GAUGE TUBING AND CHANNELS SHALL BE GRADE 50 STEEL (FY = 50 KSI, FU = 65 KSI).
7. STRUCTURAL TUBE 2 ½" X 2 ½" - 14GA IS EQUIVALENT TO TS 2 ¼" X 2 ¼" - 12GA AND EITHER ONE MAY BE USED IN LIEU OF THE OTHER.
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.

DESIGN CRITERIA

PREVAILING CODE: FBC 2023 8TH EDITION

USE GROUP: U (CARPORTS, BARNS)
RISK CATEGORY: I

1. ROOF DEAD LOAD (D) D = 4 PSF
2. ROOF LIVE/SNOW LOAD (Lr)
   Lr = 20 61 PSF
   (AS PER SNOW LOAD SEE TABLE 4)
3. SNOW LOAD (S)
   GROUND SNOW LOAD P_g = 20 90 PSF
   IMPORTANCE FACTOR Is = 0.8
   THERMAL FACTOR Ct 1.2
   EXPOSURE FACTOR Ce = 1.0
   ROOF SLOPE FACTOR Cs = 1.0
4. WIND LOAD (W)
   BASIC WIND SPEED V_{ULT} = 105 180 MPH
   EXPOSURE C
5. SEISMIC LOAD (E)
   DESIGN CATEGORY D
   IMPORTANCE FACTOR Ie = 1.00

LOAD COMBINATIONS

1. D + (Lr OR S)
2. D + (0.6W OR ±0.7E)
3. D + 0.75 (0.6W OR ±0.7E) + 0.75 (Lr OR S)
4. 0.6D + (0.6W OR ±0.7E)

DRAWING INDEX

Omar Abu-Yasein

Digitally signed by Omar Abu-Yasein
Date: 2024.02.27 15:02:30 -05'00'

MANUFACTURED BY:

MARTINEZ CARPORTS LLC

ENGINEERED BY:

A&A ENGINEERING
CIVIL - STRUCTURAL
6036 Renaissance Place, Toledo, OH 43623
Tel. 419-292-1985 • Fax. 419-2924953
www.aa-engineers.com

DRAWING INFORMATION

PROJECT: 20'-0" WIDE BUILDINGS
LOCATION: STATE OF FLORIDA
PROJECT NO.: 445-23-2029
SHEET TITLE: COVER SHEET
SHEET NO.: 1 / 11
DRAWN BY: AW DATE: 1/26/22
CHECKED BY: OAA DATE: 1/26/22

LEGAL INFORMATION

SEAL:

OMAR A. ABU-YASEIN LICENSE No. 52851 STATE OF FLORIDA PROFESSIONAL ENGINEER

STAMP EXPIRY: 02-28-2025
DATE SIGNED: 02-27-2024

CUSTOMER INFORMATION

OWNER:
ADDRESS:

DESIGN LOADS

GROUND SNOW:
ROOF LIVE LOAD:
BASIC WIND SPEED:

BUILDING INFORMATION

WIDTH:
LENGTH:
HEIGHT:

FRAME TYPE: ☐ A-FRAME ☐ REGULAR

ENCLOSURE TYPE: ☐ FULL ☐ PARTIAL ☐ OPEN

CERTIFICATION VALIDITY NOTICE

DATE OF PLANS EXPIRATION: 07-27-2024

CERTIFICATION ON THESE DRAWINGS IS VALID FOR ONE YEAR FROM DATE OF ISSUE

TABLE 2.1: MEMBER PROPERTIES

NO.	LABEL	PROPERTY	DETAIL NO.
1	COLUMN POST	2.5" X 2.5" X 14GA TUBE	1
2	ROOF BEAM	2.5" X 2.5" X 14GA TUBE	1
3	BASE RAIL	2.5" X 2.5" X 14GA TUBE	1
4	PEAK BRACE	2.5" X 2.5" 14GA CHANNEL	4
5	KNEE BRACES	2.5" X 1.5" 14GA CHANNEL	4
6	CONNECTOR SLEEVE	2.25" X 2.25" X 12GA TUBE	2
7	BASE ANGLE	2" X 2" X 3' LG. 3/16" ANGLE	10
8	PURLIN	4.25" X 1.5" X 14GA / 18GA HAT CHANNEL	5
9	GIRT	4.25" X 1.5" X 14GA / 18GA HAT CHANNEL	5
9A	OPT END WALL GIRT	2.5" X 1.5" 14GA CHANNEL	1
10	SHEATHING	29 GA CORRUGATED SHEET	8
11	END WALL POST	2.5" X 2.5" X 14GA TUBE	1
12	DOOR POST	2.5" X 2.5" X 14GA TUBE	1
13	SINGLE HEADER	2.5" X 2.5" X 14GA TUBE	1
14	DOUBLE HEADER	DBL. 2.5" X 2.5" X 14GA TUBE	1
15	SERVICE DOOR / WINDOW FRAMING	2.5" X 2.5" X 14GA TUBE	1
16	ANGLE BRACKET	2" X 2" X 2" LG. 14GA ANGLE	7
17	STRAIGHT BRACKET	2" X 2" X 4" LG. 14GA PLATE	6
18	PB SUPPORT	2.5" X 2.5" X 14GA TUBE	1
19	DIAGONAL BRACE	2" X 2" X 14 GA TUBE	3
20	GABLE BRACE	2" X 2" X 14 GA TUBE	3
21	DB BRACKET	2.25" X 2.25" X 6" LG. 14GA ANGLE	9
22	TRUSS SPACER	2.5" X 2.5" X 14GA TUBE	1
23	ALL FASTENERS	#12 X 1" SELF-DRILL SCREWS (ESR 2196 OR EQ) W/ NEOPRENE/STEEL WASHER	

TABLE 2.2: SHEATHING FASTENER SCHEDULE

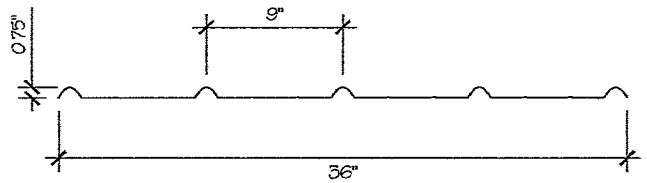
LOCATION	CORNER PANELS	SIDE LAPS	EDGE LAPS	ELSEWHERE
SPACING	9" C/C	MIN. 1	4½" C/C	9" C/C

FASTENER TYPE #12X1" SELF-DRILL SCREWS (ESR-2196 OR EQ) W/ NEOPRENE/STEEL WASHER

*SEE TYP. SHEATHING FASTENER SCHEDULE DIAGRAM ON PAGE 6.

TABLE 2.3: GAUGE THICKNESS

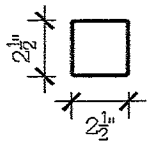
GAUGE	29	18	14	12
THICKNESS (IN)	0.0135	0.049	0.083	0.109



THICKNESS = 29GA

29 GA CORRUGATED SHEATHING (8)

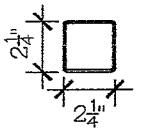
SCALE: NTS



THICKNESS = 14GA

2.5" X 2.5" 14GA TUBE (1)

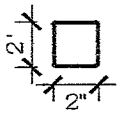
SCALE: NTS



THICKNESS = 12GA

2.25" X 2.25" 12GA TUBE (2)

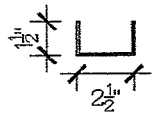
SCALE: NTS



THICKNESS = 14GA

2" X 2" 14GA TUBE (3)

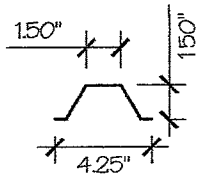
SCALE: NTS



THICKNESS = 14GA

2.5" X 1.5" 14GA CHANNEL (4)

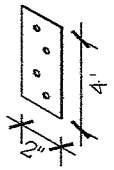
SCALE: NTS



THICKNESS = 14GA / 18GA

4.25" X 1.5" X 14GA / 18GA HAT CHANNEL (5)

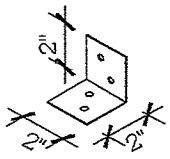
SCALE: NTS



THICKNESS = 14GA

STRAIGHT BRACKET (6)

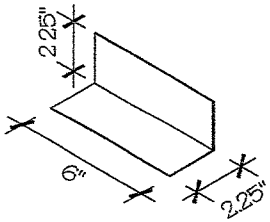
SCALE: NTS



THICKNESS = 14GA

ANGLE BRACKET (7)

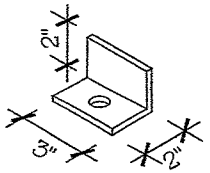
SCALE: NTS



THICKNESS = 14GA

DB BRACKET (9)

SCALE: NTS



THICKNESS = 3/16"

BASE ANGLE (10)

SCALE: NTS

MANUFACTURED BY:

MARTINEZ CARPORTS LLC

ENGINEERED BY:

A&A ENGINEERING
CIVIL - STRUCTURAL
6036 Renaissance Place, Toledo, OH 43623
Tel. 419-292-1933 • Fax. 419-292-0933
www.aa-engineers.com

DRAWING INFORMATION

PROJECT: 20'-0" WIDE BUILDINGS

LOCATION: STATE OF FLORIDA

PROJECT NO.: 445-23-2029

SHEET TITLE:

SCHEDULES & MEMBER SECTIONS

SHEET NO.: 2 / 11

DRAWN BY: AW DATE: 1/26/22

CHECKED BY: OAA DATE: 1/26/22

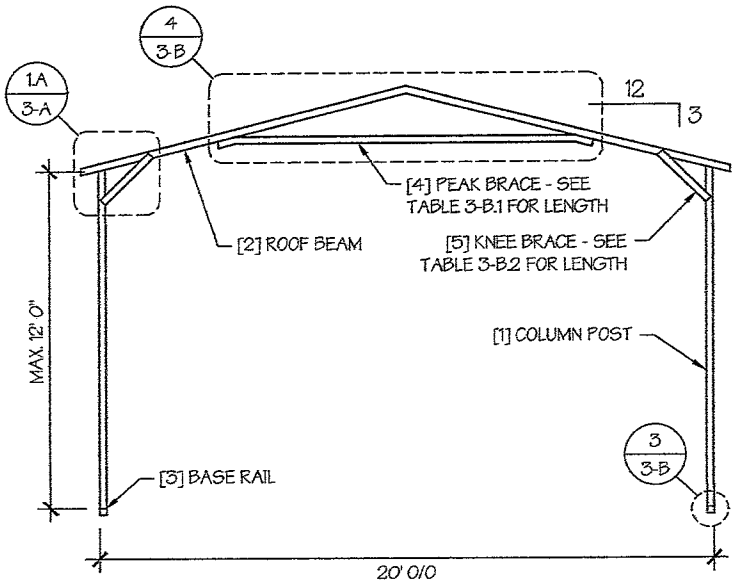
LEGAL INFORMATION

SEAL:

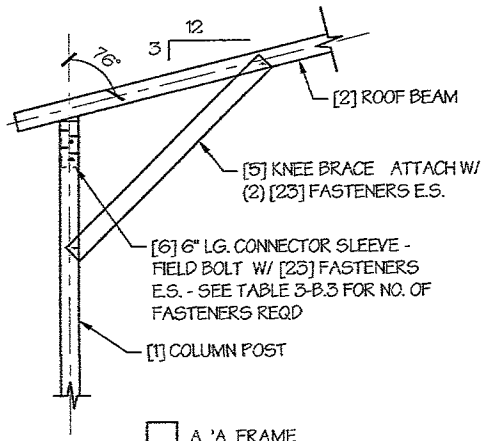
OMAR A. ABU-YASEIN LICENSE No. 52851 STATE OF FLORIDA PROFESSIONAL ENGINEER

STAMP EXPIRY: 02-28-2025

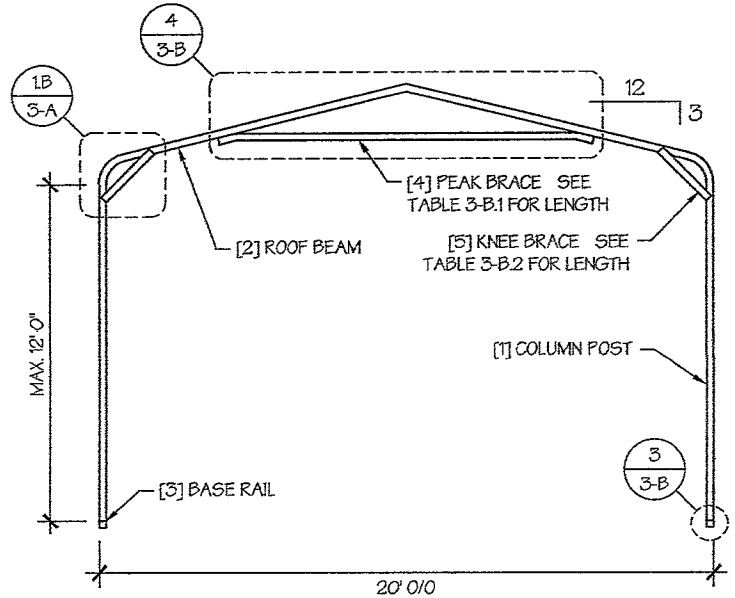
DATE SIGNED: 02-27-2024



TYP. A-FRAME SECTION
SCALE: NTS



A 'A FRAME



TYP. REGULAR FRAME SECTION
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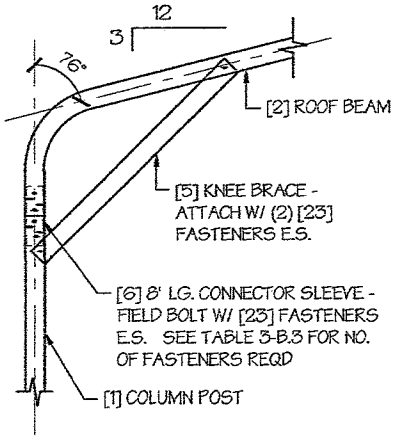


B REGULAR-FRAME

EAVE DETAIL 1
SCALE: NTS

MANUFACTURED BY:

MARTINEZ CARPORTS LLC

ENGINEERED BY:

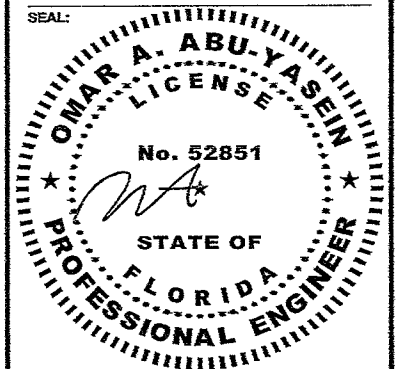
A&A ENGINEERING
CIVIL - STRUCTURAL
6035 Renaissance Place, Toledo, OH 43623
Tel. 419-292-1935 • Fax. 419-292-0955
www.aa-engineers.com

DRAWING INFORMATION

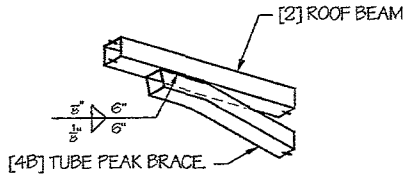
PROJECT: 20'-0" WIDE BUILDINGS
LOCATION: STATE OF FLORIDA
PROJECT NO.: 445-23-2029
SHEET TITLE: FRAME SECTIONS & DETAILS
SHEET NO.: 3-A / 11
DRAWN BY: AW DATE: 1/26/22
CHECKED BY: OAA DATE: 1/26/22

LEGAL INFORMATION

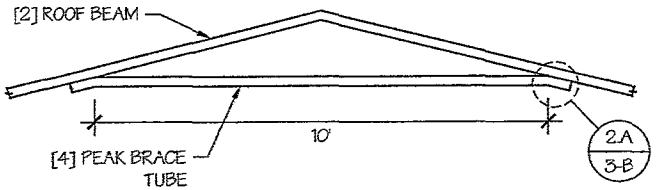
SEAL:



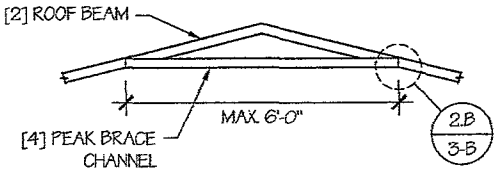
STAMP EXPIRY: 02-28-2025
DATE SIGNED: 02-27-2024



A. PEAK BRACE TUBE

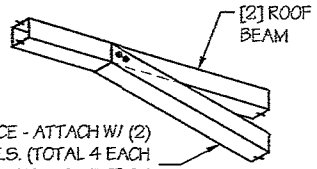


☐ A. WELDED PEAK BRACE



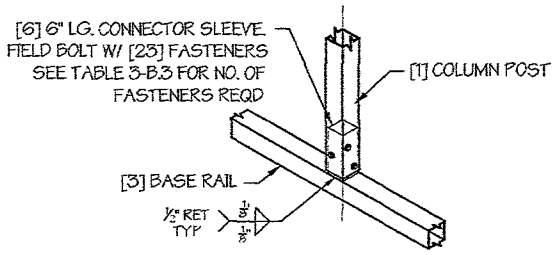
☐ B. CHANNEL PEAK BRACE

PEAK BRACE DETAILS 4
SCALE: NTS



B. PEAK BRACE CHANNEL

PEAK BRACE CONNECTION DETAILS 2
SCALE: NTS



BASE DETAIL 3
SCALE: NTS

TABLE 3-B.1: PEAK BRACE SCHEDULE

GROUND SNOW / ROOF LIVE LOAD (PSF)	WIND SPEED	
	☐105 TO 130	☐140 TO 180
☐ 30 / 20	6'	10'
☐ 35 / 25 TO 90 / 61	10'	10'

TABLE 3-B.2: KNEE BRACE SCHEDULE

EAVE HEIGHT	KNEE BRACE LENGTH
☐UP TO 8'	24"
☐ 9' TO 12'	36"

TABLE 3-B.3 FASTENER SCHEDULE

WIND SPEED (MPH)	NO. OF FASTENERS
☐ 105 TO 125	4
☐ 130 TO 155	6
☐ 160 TO 180	8

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

MANUFACTURED BY:

MARTINEZ CARPORTS LLC

ENGINEERED BY:

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

DRAWING INFORMATION

PROJECT: 20'-0" WIDE BUILDINGS
LOCATION: STATE OF FLORIDA
PROJECT NO.: 445-23-2029
SHEET TITLE:

FRAME DETAILS

SHEET NO.: 3-B / 11
DRAWN BY: AW DATE: 1/26/22
CHECKED BY: OAA DATE: 1/26/22

LEGAL INFORMATION

SEAL:

OMAR A. ABU-YASEIN
LICENSE
No. 52851
STATE OF FLORIDA
PROFESSIONAL ENGINEER

STAMP EXPIRY: 02-28-2025
DATE SIGNED: 02-27-2024

TABLE 4: FRAME SPACING CHART / SCHEDULE

	GROUND SNOW / ROOF LIVE LOAD (PSF)	ENCLOSED BUILDINGS — WIND SPEED (MPH)							OPEN BUILDINGS — WIND SPEED (MPH)						
		☐105	☐115	☐130	☐140	☐155	☐165	☐180	☐105	☐115	☐130	☐140	☐155	☐165	☐180
■ EAVE HEIGHT = 10'-0" TO 12'-0"	☐30 / 20	60	60	54/60	54	42	36	36	60	54/60	48/60	42/54	36/42	36	36
	☐40 / 27	48/60	48/60	42/60	42/54	42	36	36	48	48	42/48	42/48	36/42	36	36
	☐50 / 34	40/48	40/48	40/48	40/48	40/42	36	36	40/42	40/42	40/42	40/42	36/42	36	36
	☐60 / 41	36/42	36/42	36/42	36/42	36/42	36	36	36	36	36	36	36	36	36
	☐70 / 47	32/36	32/36	32/36	32/36	32/36	32/36	30	30	30	30	30	30	30	30
	☐80 / 54	30	30	30	30	30	30	30	24	24	24	24	24	24	24
	☐90 / 61	24	24	24	24	24	24	24	18	18	18	18	18	18	18
■ EAVE HEIGHT = 7'-0" TO 9'-0"	☐30 / 20	60	60	54/60	54	48	42/48	42	60	54/60	48/60	42/54	36/48	36/48	36/42
	☐40 / 27	48/60	48/60	42/60	42/54	42/48	42/48	42	48/54	48/54	42/54	42/54	36/48	36/48	36/42
	☐50 / 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	36/42	36/42
	☐60 / 41	36/42	36/42	36/42	36/42	36/42	36/42	36/42	36	36	36	36	36	36	36
	☐70 / 47	32/36	32/36	32/36	32/36	32/36	32/36	32/36	30	30	30	30	30	30	30
	☐80 / 54	30	30	30	30	30	30	30	30	30	30	30	30	30	30
	☐90 / 61	24	24	24	24	24	24	24	24	24	24	24	24	24	24
■ EAVE HEIGHT = UP TO 6'-0"	☐30 / 20	60	60	54/60	54	48	42/48	42	60	54/60	48/60	42/54	36/48	36/48	36/42
	☐40 / 27	48/60	48/60	42/60	42/54	42/48	42/48	42	48/60	48/60	42/60	42/54	36/48	36/48	36/42
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	☐70 / 47	32/36	32/36	32/36	32/36	32/36	32/36	32/36	32/36	32/36	32/36	32/36	32/36	32/36	32/36
	☐80 / 54	30	30	30	30	30	30	30	30	30	30	30	30	30	30
	☐90 / 61	24	24	24	24	24	24	24	24	24	24	24	24	24	24

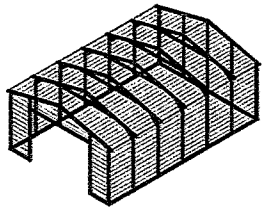
NOTES:
1. FRAME SPACINGS ARE IN UNITS OF INCHES (IN).
2. WHERE TWO VALUES ARE SHOWN, THE HIGHER VALUE CAN ONLY BE USED FOR VERTICAL SHEATHING
3. SNOW LOADS AND ROOF LIVE LOADS ARE IN POUNDS PER SQUARE FOOT (PSF). WIND SPEED IS 3 SEC. GUST IN MILES PER HOUR (MPH).
4. FOR VALUES THAT LIE BETWEEN TWO CELLS,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

ENCLOSURE CLASSIFICATION:

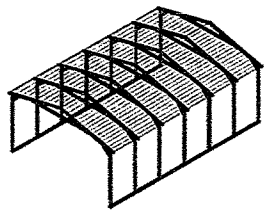
1. ENCLOSED BUILDING – ALL 4 WALLS FULLY ENCLOSED WITH DOORS/WINDOWS – USE ENCLOSED BUILDING SPACING CHART
2. OPEN BUILDING – ALL 4 WALLS FULLY OPEN – USE OPEN BUILDING SPACING CHART
3. 3FT PARTIALLY ENCLOSED = BOTH END-WALLS FULLY OPEN, WITH BOTH SIDE-WALLS ONLY 3FT ENCLOSED – USE OPEN BUILDING SPACING CHART
4. PARTIALLY ENCLOSED = BOTH END-WALLS FULLY OPEN, WITH BOTH SIDE-WALLS ENCLOSED MORE THAN 3FT = START WITH OPEN BUILDING SPACING CHART AND THEN REDUCE SPACING BY 6"
5. 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
6. FOR ALL SHEATHING ENCLOSURES NOT LISTED ABOVE, REFER TO SHEET 5 FOR SPACING AND DESIGN REQUIREMENTS

GENERAL NOTES:

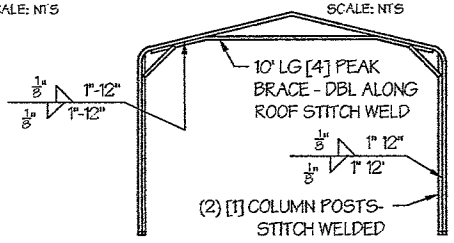
1. THE MAX. BUILDING LENGTH FOR ENCLOSED BUILDINGS IS 50'-0" THIS CAN BE INCREASED BY ADDING A DOUBLE FRAME AT THE CENTER TO BREAK THE LENGTH OF THE BUILDING
2. BUILDINGS WITH PARTIALLY ENCLOSED END WALLS NEED TO HAVE SIDE WALL BRACING TO SUPPORT THE PARTIALLY ENCLOSED END WALL (SEE FIGURE A ON SHEET 5).
3. ALL BUILDINGS WITH AN OPEN END WALL MUST HAVE A 10'-0" TUBE PEAK BRACE.



TYP. ENCLOSED BUILDING
SCALE: NTS



TYP OPEN BUILDING
SCALE: NTS



TYP. OPEN END WALL ON 3 SIDE ENCLOSED BUILDING
SCALE: NTS

MANUFACTURED BY:

MARTINEZ CARPORTS LLC

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CIVIL - STRUCTURAL
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www.aa-engineers.com

DRAWING INFORMATION

PROJECT: 20'-0" WIDE BUILDINGS
LOCATION: STATE OF FLORIDA
PROJECT NO.: 445-23-2029
SHEET TITLE:
SPACING SCHEDULES & ENCLOSURE NOTES
SHEET NO.: 4 / 11
DRAWN BY: AW DATE: 1/26/22
CHECKED BY: OAA DATE: 1/26/22

LEGAL INFORMATION

SEAL:

OMAR A. ABU-YASEIN LICENSE No. 52851 STATE OF FLORIDA PROFESSIONAL ENGINEER

STAMP EXPIRY: 02-28-2025
DATE SIGNED: 02-27-2024

TABLE 5.1: PURLIN SPACING SCHEDULE

	GROUND SNOW / ROOF LIVE LOAD (PSF)	14GA. HAT CHANNEL PURLIN							18GA. HAT CHANNEL PURLIN						
		WIND SPEED (MPH)							WIND SPEED (MPH)						
		105	115	130	140	155	165	180	105	115	130	140	155	165	180
FRAME SPACING: 5'-0"	30 / 20	54	48	42	36	30	24	24	36	30	24	18	18	12	12
	40 / 27	42	42	42	36	30	24	24	30	30	24	18	18	12	12
	50 / 34	40	40	40	36	30	24	24	24	24	24	18	18	12	12
	60 / 41	36	36	36	36	30	24	24	18	18	18	18	18	12	12
	70 / 47	32	32	32	32	30	24	24	18	18	18	18	18	12	12
	80 / 54	30	30	30	30	30	24	24	18	18	18	18	18	12	12
	90 / 61	24	24	24	24	24	24	24	12	12	12	12	12	12	12
FRAME SPACING: 4'-6"	30 / 20	54	48	42	42	36	30	30	48	36	30	24	18	18	12
	40 / 27	42	42	42	42	36	30	30	42	36	30	24	18	18	12
	50 / 34	40	40	40	40	36	30	30	30	30	30	24	18	18	12
	60 / 41	36	36	36	36	36	30	30	30	30	30	24	18	18	12
	70 / 47	32	32	32	32	32	30	30	24	24	24	24	18	18	12
	80 / 54	32	32	32	32	32	30	30	18	18	18	18	18	18	12
	90 / 61	30	30	30	30	30	30	30	18	18	18	18	18	18	12
FRAME SPACING: 4'-0"	30 / 20	54	48	42	42	36	36	30	54	48	36	30	24	24	18
	40 / 27	42	42	42	42	36	36	30	42	42	36	30	24	24	18
	50 / 34	40	40	40	40	36	36	30	40	40	36	30	24	24	18
	60 / 41	36	36	36	36	36	36	30	36	36	36	30	24	24	18
	70 / 47	32	32	32	32	32	32	30	30	30	30	30	24	24	18
	80 / 54	32	32	32	32	32	32	30	24	24	24	24	24	24	18
	90 / 61	30	30	30	30	30	30	30	24	24	24	24	24	24	18
FRAME SPACING: 3'-6"	30 / 20	54	48	42	42	36	36	30	54	48	42	42	36	30	30
	40 / 27	42	42	42	42	36	36	30	42	42	42	42	36	30	30
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	60 / 41	36	36	36	36	36	36	30	36	36	36	36	36	30	30
	70 / 47	32	32	32	32	32	32	30	32	32	32	32	32	30	30
	80 / 54	32	32	32	32	32	32	30	32	32	32	32	32	30	30
	90 / 61	30	30	30	30	30	30	30	30	30	30	30	30	30	30
FRAME SPACING: 3'-0" OR LOWER	30 / 20	54	48	42	42	36	36	30	54	48	42	42	36	36	30
	40 / 27	42	42	42	42	36	36	30	42	42	42	42	36	36	30
	50 / 34	40	40	40	40	36	36	30	40	40	40	40	36	36	30
	60 / 41	36	36	36	36	36	36	30	36	36	36	36	36	36	30
	70 / 47	32	32	32	32	32	32	30	32	32	32	32	32	32	30
	80 / 54	32	32	32	32	32	32	30	32	32	32	32	32	32	30
	90 / 61	30	30	30	30	30	30	30	30	30	30	30	30	30	30

NOTES:
1. PURLIN SPACING UNITS ARE IN INCHES.
2. 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
2. FOR IRREGULAR BUILDINGS, FRAME SPACING MUST BE REDUCED BY 6" FROM OPEN BUILDING SPACING TABLE. SEE SHEET 4 FOR OPEN BUILDING TABLE.
3. SITE SPECIFICS MAY ALLOW FOR ALTERNATIVE SPACING.
4. IRREGULAR BUILDING & BUILDINGS W/ MORE THAN 2 SIDE OPENINGS MUST HAVE A 10' TUBE PEAK BRACE ON ALL FRAMES.

TABLE 5.2: GIRT SPACING SCHEDULE

FRAME SPACING	WIND SPEED (MPH)						
	105	115	130	140	155	165	180
5'-0"	60	48	36	30	24	24	18
4'-6"	60	60	48	42	36	30	24
4'-0"	60	60	54	54	42	36	30
3'-6"	60	60	54	54	48	42	42
2'-0" TO 3'-0"	60	60	54	54	48	42	42

NOTES
1. GIRT SPACING UNITS ARE IN INCHES.
2. THIS SCHEDULE IS TO BE USED FOR BOTH 14GA AND 18 GA PURLINS.
3. FRAME SPACING NEEDS TO BE DETERMINED FROM TABLE 4

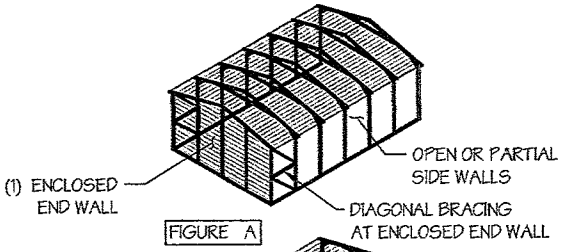

FIGURE A

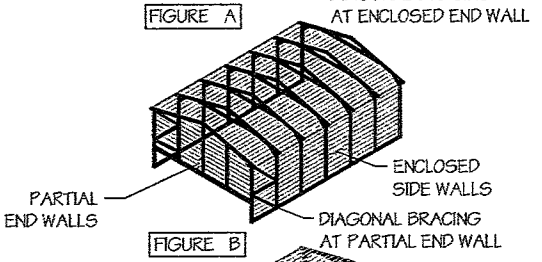

FIGURE B

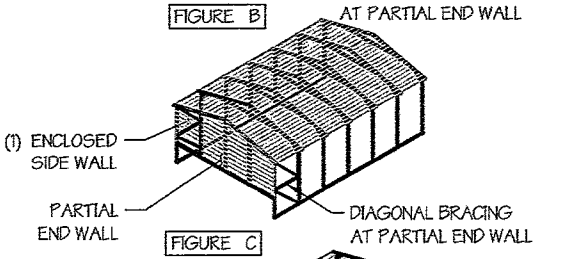

FIGURE C

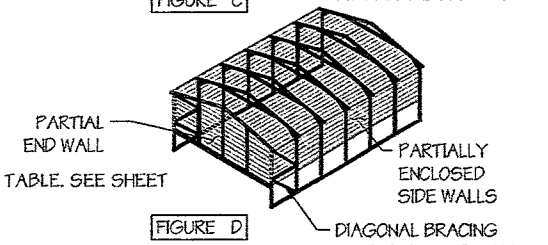

FIGURE D

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DRAWING INFORMATION

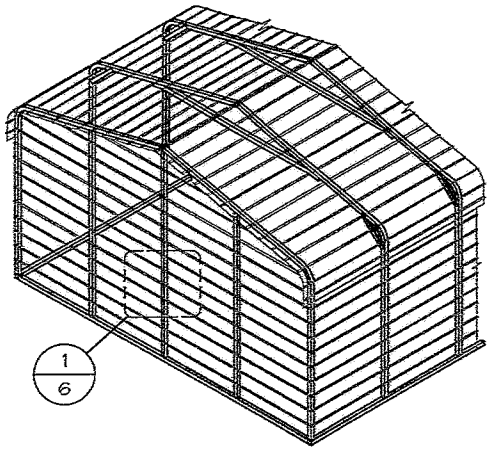
PROJECT: 20'-0" WIDE BUILDINGS
LOCATION: STATE OF FLORIDA
PROJECT NO.: 445-23-2029
SHEET TITLE: PURLIN & GIRT SPACING SCHEDULES
SHEET NO.: 5 / 11
DRAWN BY: AW DATE: 1/26/22
CHECKED BY: OAA DATE: 1/26/22

LEGAL INFORMATION

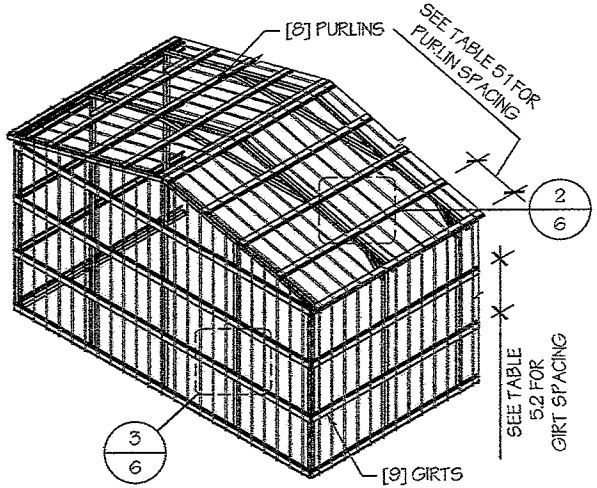
SEAL:

OMAR A. ABU-YASEIN LICENSE No. 52851 STATE OF FLORIDA PROFESSIONAL ENGINEER

STAMP EXPIRY: 02-28-2025
DATE SIGNED: 02-27-2024



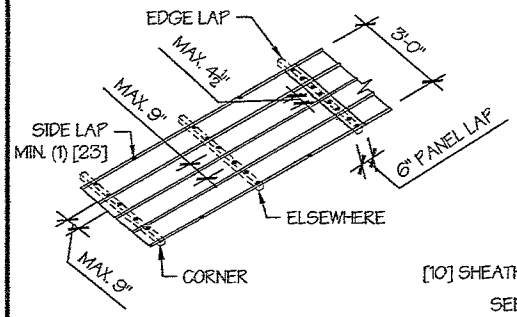
TYP. HORIZONTAL SHEATHING
SCALE: NTS



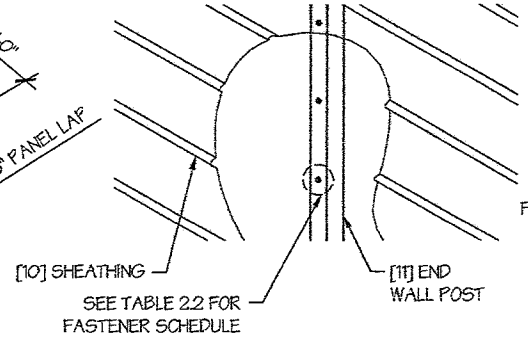
TYP. VERTICAL SHEATHING
SCALE: NTS

GENERAL SHEATHING NOTES:

1. REGULAR STYLE BUILDINGS CAN ONLY HAVE HORIZONTAL SHEATHING ON ROOF AND WALLS
2. A FRAME STYLE BUILDINGS CAN HAVE ANY COMBINATION OF HORIZONTAL OR VERTICAL SHEATHING ON ROOFS AND WALLS
3. BOTH HORIZONTAL AND VERTICALS ROOF SHEATHING CAN HAVE MAX. 6" OVERHANG
4. USING VERTICAL SHEATHING MAY ALLOW FOR GREATER FRAME SPACING SEE NOTE 2 UNDER TABLE 4
5. VERTICAL SHEATHING RECOMMENDED FOR BUILDINGS 30' OR LONGER



TYP. SHEATHING FASTENER SCHEDULE
SCALE: NTS



TYP. HORIZONTAL SHEATHING DETAIL 1
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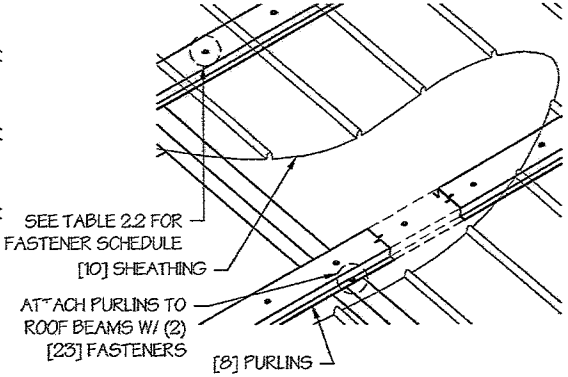
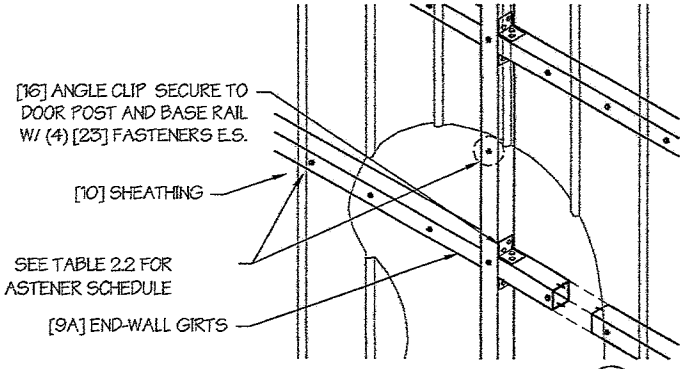
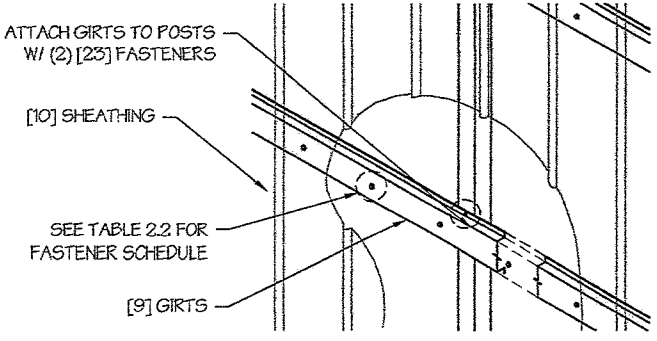


ROOF VERTICAL SHEATHING DETAIL 2
SCALE: NTS



WALL VERTICAL SHEATHING - TUBE DETAIL 3
SCALE: NTS



WALL VERTICAL SHEATHING - HAT CHANNEL DETAIL 3
SCALE: NTS

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DRAWING INFORMATION

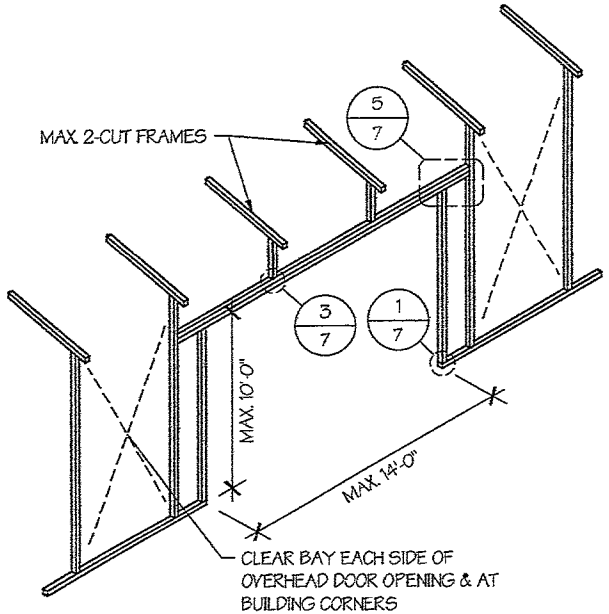
PROJECT: 20'-0" WIDE BUILDINGS
LOCATION: STATE OF FLORIDA
PROJECT NO.: 445-23-2029
SHEET TITLE:
SHEATHING OPTIONS & DETAILS
SHEET NO.: 6 / 11
DRAWN BY: AW DATE: 1/26/22
CHECKED BY: OAA DATE: 1/26/22

LEGAL INFORMATION

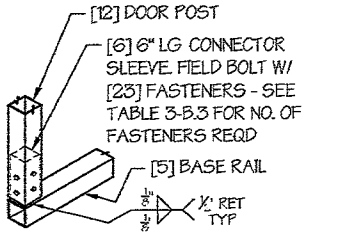
SEAL.

OMAR A. ABU-YASEIN
LICENSE
No. 52851
STATE OF FLORIDA
PROFESSIONAL ENGINEER

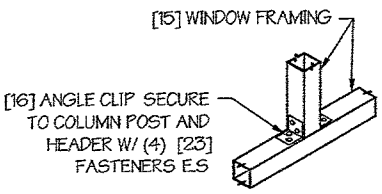
STAMP EXPIRY: 02-28-2025
DATE SIGNED: 02-27-2024



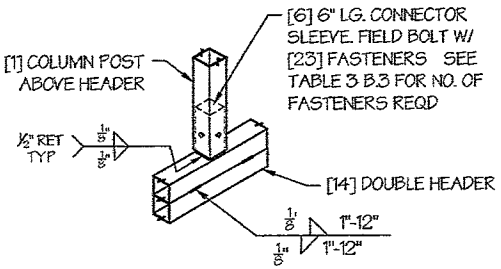
SIDE WALL OVERHEAD DOOR OPENINGS
SCALE: NTS



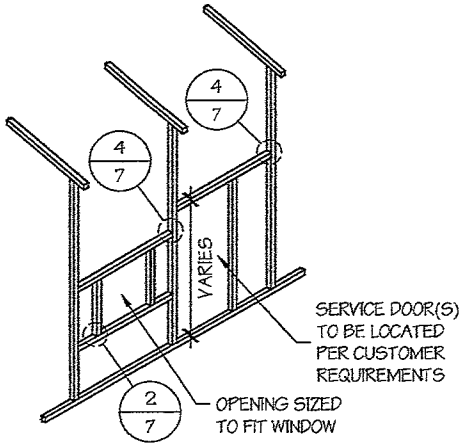
DOOR POST BOT. CONN. DETAIL 1
SCALE: NTS



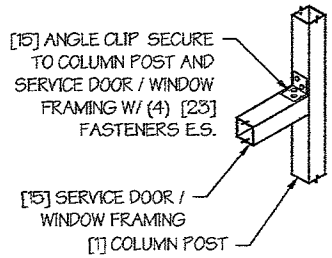
TYP. WINDOW FRAMING CONN. DETAIL 2
SCALE: NTS



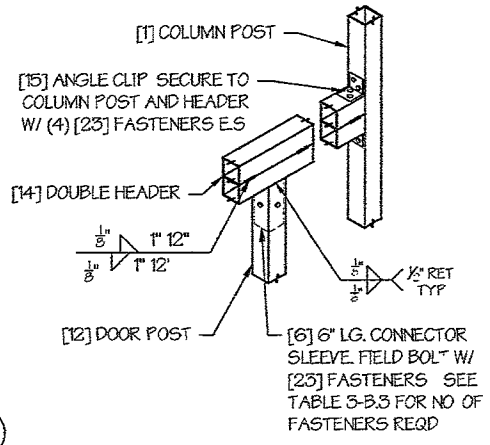
COLUMN POST ABOVE DOOR HEADER CONN. DETAIL 3
SCALE: NTS



SIDE WALL SERVICE DOOR / WINDOW OPENINGS
SCALE: NTS



TYP. SERVICE DOOR / WINDOW FRAMING CONN. DETAIL 4
SCALE: NTS



COLUMN POST ABOVE DOOR HEADER CONN. DETAIL 5
SCALE: NTS

SIDE WALL FRAMING NOTES:

1. DESIGNS AND DETAILS SHOWN HERE ARE APPLICABLE TO BOTH REGULAP AND A-FRAME STYLE BUILDINGS
2. MAX. HEIGHT OF SIDE WALL OVERHEAD DOOR OPENINGS IS 2 FT LESS THAN THE EAVE HEIGHT
3. OVERHEAD DOOR OPENINGS CANNOT CUT THROUGH MORE THAN 2 FULL FRAMES
4. MIN. 1 CLEAR BAY MUST BE MAINTAINED BETWEEN ANY 2 OVERHEAD DOOR OPENINGS. A CLEAR BAY IS A SPACE BETWEEN TWO FRAMES THAT HAS NO OVERHEAD DOOR OPENINGS
5. MIN. 1 CLEAR BAY MUST ALSO BE MAINTAINED FROM THE BUILDING CORNERS
6. SERVICE DOORS AND WINDOWS CAN BE PLACED IN CLEAR BAYS OR ANY WHERE ELSE AS NEEDED

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DRAWING INFORMATION

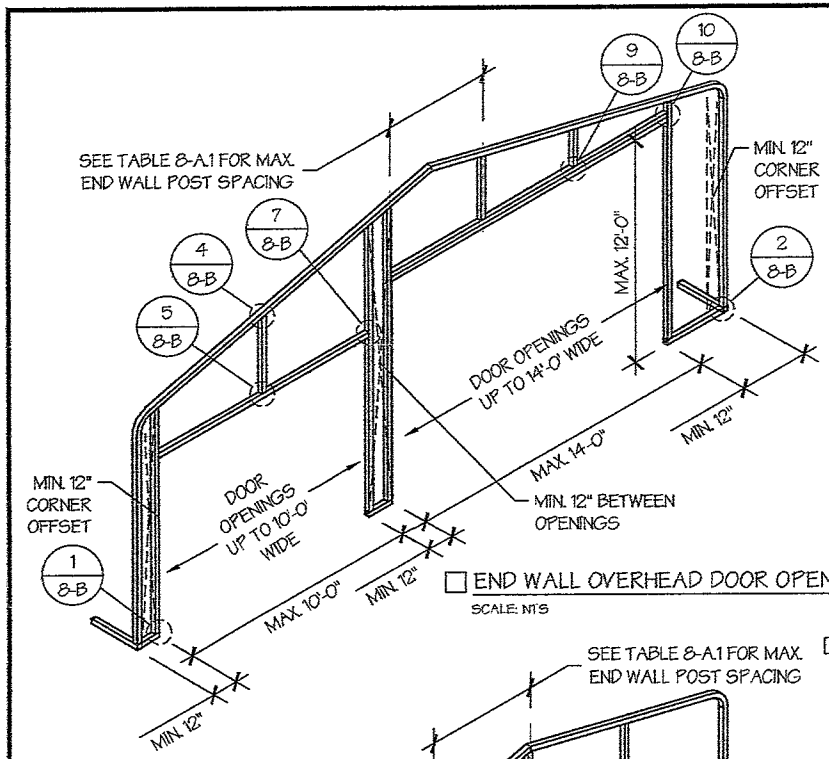
PROJECT: 20'-0" WIDE BUILDINGS
LOCATION: STATE OF FLORIDA
PROJECT NO.: 445-23-2029
SHEET TITLE: SIDE WALL FRAMING & OPENINGS
SHEET NO.: 7 / 11
DRAWN BY: AW DATE: 1/26/22
CHECKED BY: OAA DATE: 1/26/22

LEGAL INFORMATION

SEAL:

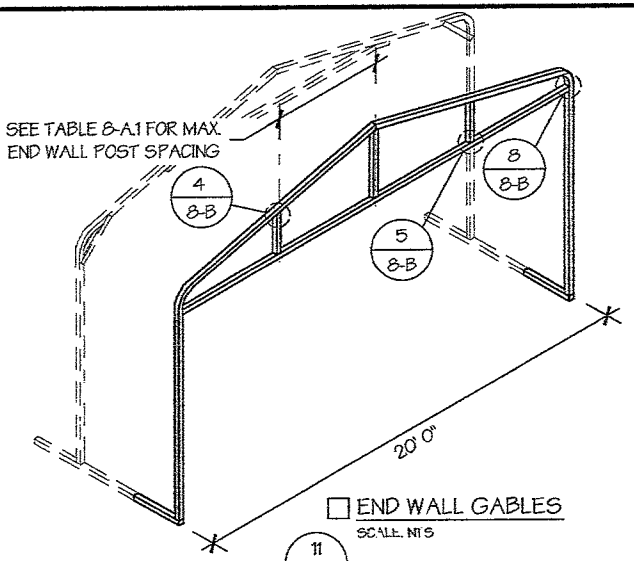
OMAR A. ABU-YASEIN LICENSE No. 52851 STATE OF FLORIDA PROFESSIONAL ENGINEER

STAMP EXPIRY: 02-28-2025
DATE SIGNED: 02-27-2024



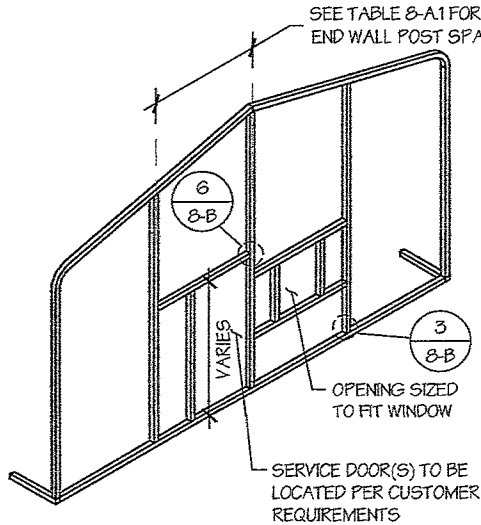
☐ END WALL OVERHEAD DOOR OPENINGS

SCALE: NTS



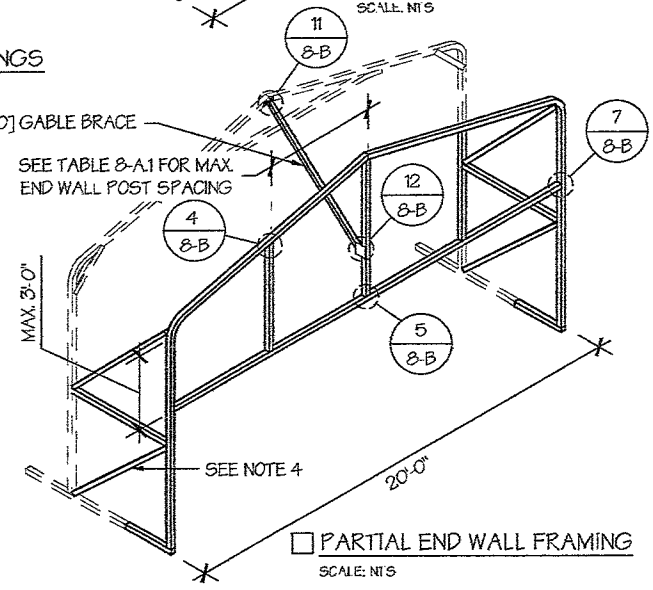
☐ END WALL GABLES

SCALE: NTS



☐ END WALL SERVICE DOOR AND WINDOW OPENINGS

SCALE: NTS



☐ PARTIAL END WALL FRAMING

SCALE: NTS

TABLE 8-A.1. END WALL POST SPACING SCHEDULE

WIND SPEED (MPH)	EAVE HEIGHT		
	☐ UP TO 7'	☐ 8' TO 9'	☐ 10' TO 12'
☐ 105	5'	5'	5'
☐ 115	5'	5'	4.5'
☐ 130	4.5'	4.5'	4'
☐ 140	4.5'	4.5'	3'
☐ 155	4'	4'	2.5'
☐ 165 - 180	3.5'	3'	2'

END WALL FRAMING NOTES:

1. DESIGNS AND DETAILS SHOWN HERE ARE APPLICABLE TO BOTH REGULAR AND A-FRAME STYLE BUILDINGS
2. MIN. 12" CLEARANCE MUST BE MAINTAINED BETWEEN ANY TWO OPENINGS (OVERHEAD DOOR OR SERVICE DOOR) AND FROM CORNERS.
3. SERVICE DOORS AND WINDOWS CAN BE PLACED AS NEEDED
4. DIAGONAL BRACES NEED TO BE ADDED FOR PARTIAL END WALL ENCLOSURES. SEE SHEET 9 FOR DIAGONAL BRACE CONNECTION DETAILS.

MANUFACTURED BY:

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DRAWING INFORMATION

PROJECT: 20'-0" WIDE BUILDINGS
LOCATION: STATE OF FLORIDA
PROJECT NO.: 445-23-2029
SHEET TITLE: END WALL FRAMING
SHEET NO.: 8-A / 11
DRAWN BY: AW DATE: 1/26/22
CHECKED BY: OAA DATE: 1/26/22

LEGAL INFORMATION

SEAL.

OMAR A. ABU-YASEIN LICENSE No. 52851 STATE OF FLORIDA PROFESSIONAL ENGINEER

STAMP EXPIRY: 02-28-2025
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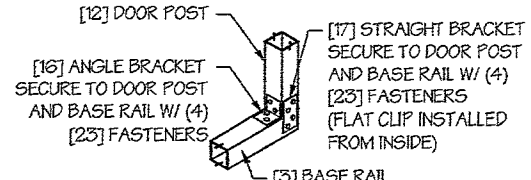
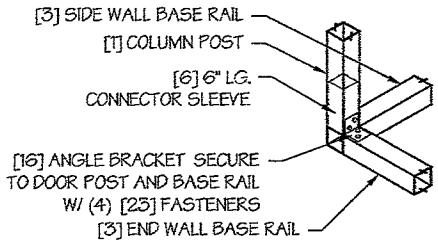
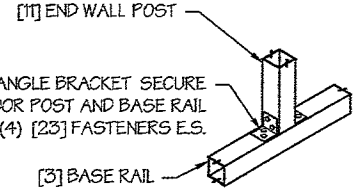


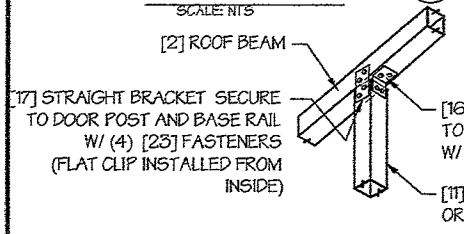
DOOR POST BASE RAIL CONN. DETAIL 1
SCALE: NTS



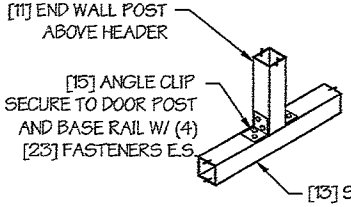
CORNER DETAIL 2
SCALE: NTS



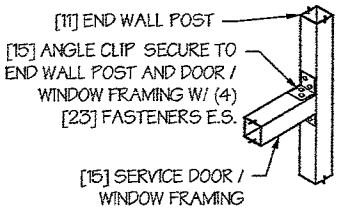
END WALL POST - BASE RAIL CONN. DETAIL 3
SCALE: NTS



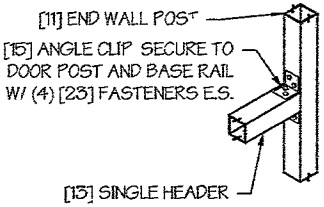
END WALL POST - ROOF BEAM CONN. DETAIL 4
SCALE: NTS



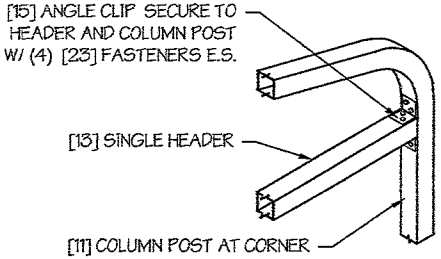
END WALL POST ABOVE HEADER CONN. DETAIL 5
SCALE: NTS



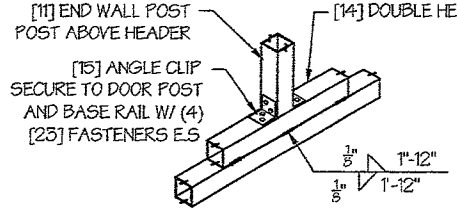
TYP. SERVICE DOOR / WINDOW FRAMING CONN. DETAIL 6
SCALE: NTS



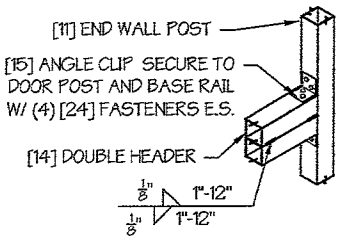
HEADER END WALL POST CONN. DETAIL 7
SCALE: NTS



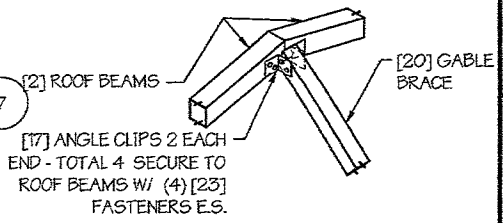
GABLE HEADER - CORNER POST CONN. DETAIL 8
SCALE: NTS



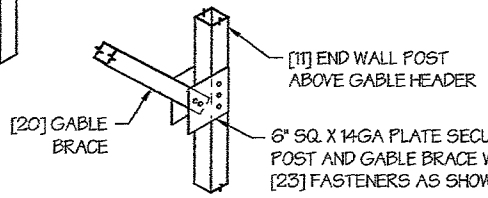
END WALL POST ABOVE DOUBLE HEADER CONN. DETAIL 9
SCALE: N S



DOUBLE HEADER END WALL POST CONN. DETAIL 10
SCALE: NTS



TYP. GABLE BRACE CONN. DETAIL 11
SCALE: NTS



GABLE BRACE END WALL CONN. DETAIL 12
SCALE: NTS

MANUFACTURED BY:

MARTINEZ CARPORTS LLC

ENGINEERED BY:

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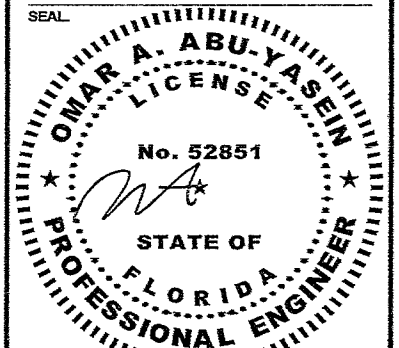
www.aa-engineers.com

DRAWING INFORMATION

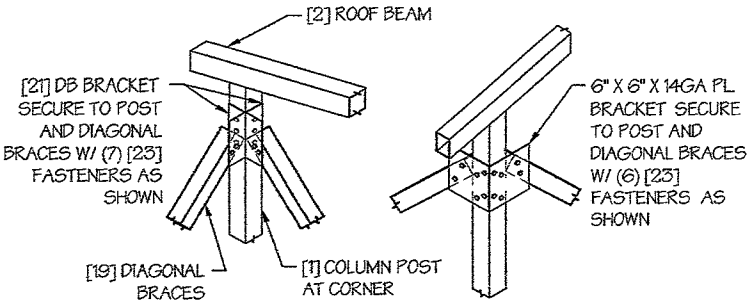
PROJECT: 20'-0" WIDE BUILDINGS
LOCATION: STATE OF FLORIDA
PROJECT NO.: 445-23-2029
SHEET TITLE: END WALL FRAMING DETAILS
SHEET NO.: 8-B / 11
DRAWN BY: AW DATE: 1/26/22
CHECKED BY: OAA DATE: 1/26/22

LEGAL INFORMATION

SEAL

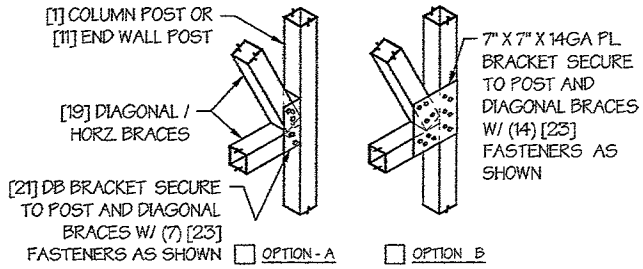


STAMP EXPIRY: 02-28-2025
DATE SIGNED: 02-27-2024



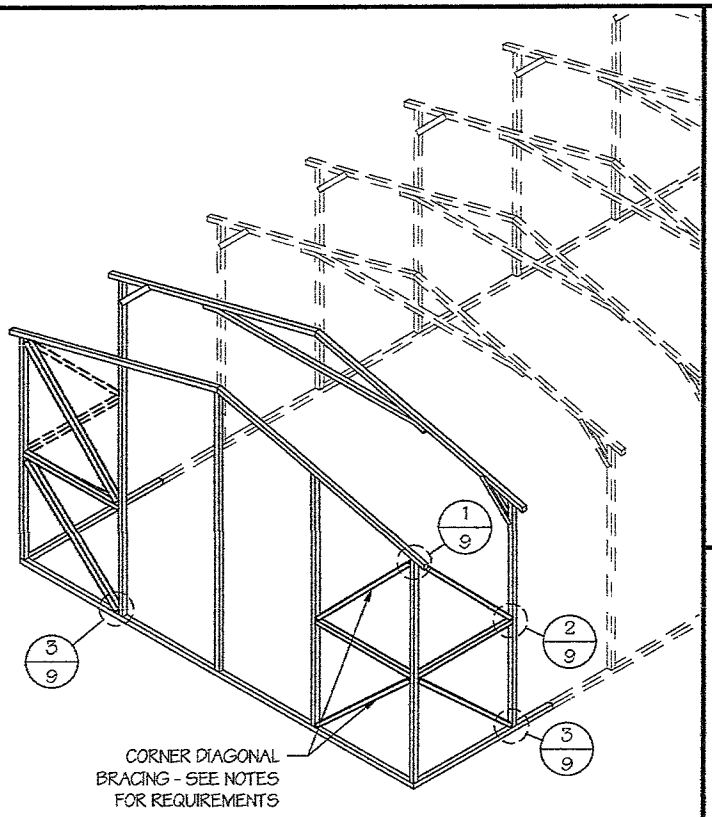
DIAGONAL BRACE TOP CORNER CONN. DETAIL* 1

SCALE: NTS



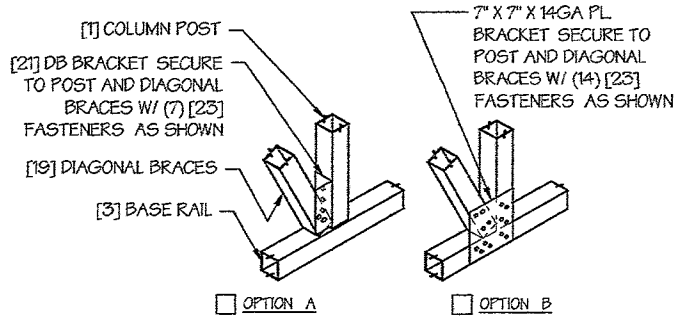
DIAGONAL BRACE POST CONN. DETAIL* 2

SCALE: NTS



DIAGONAL BRACING AT CORNERS

SCALE: NTS



DIAGONAL BRACE BOT CORNER CONN. DETAIL* 3

SCALE: NTS

* INSIDE VIEW SHOWN FOR CLARITY

CORNER BRACING NOTES.

1. DIAGONAL BRACING AT BUILDING CORNERS IS REQUIRED FOR ALL BUILDINGS IN LOCATIONS WHERE WIND SPEED IS 140 MPH OR GREATER.

   FOR 3 SIDED ENCLOSED BUILDINGS 140 MPH OR GREATER WIND SPEED THE BUILDING MUST BE DESIGNED WITH OPEN BUILDING SPACING AND DIAGONAL BRACING IS REQUIRED ON ALL ENCLOSED WALLS.

2. SIDE-WALL DIAGONAL BRACING IS REQUIRED WHEN THE ADJACENT END-WALL IS PARTIALLY ENCLOSED

3. ALL BUILDINGS WITH IRREGULAR ENCLOSURE (SEE SHEET 5) WILL REQUIRE SIDE WALL BRACING CLOSE TO THE PARTIALLY ENCLOSED END-WALL.

MANUFACTURED BY:

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DRAWING INFORMATION

PROJECT: 20'-0" WIDE BUILDINGS

LOCATION: STATE OF FLORIDA

PROJECT NO.: 445-23-2029

SHEET TITLE:

CORNER BRACING DETAILS

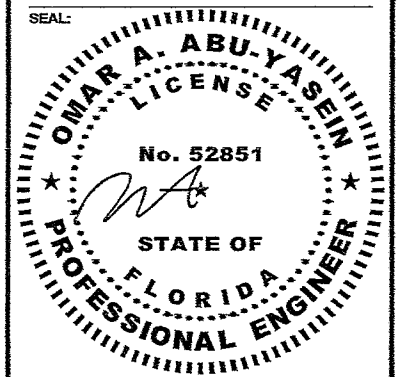
SHEET NO.: 9 / 11

DRAWN BY: AW DATE: 1/26/22

CHECKED BY: OAA DATE: 1/26/22

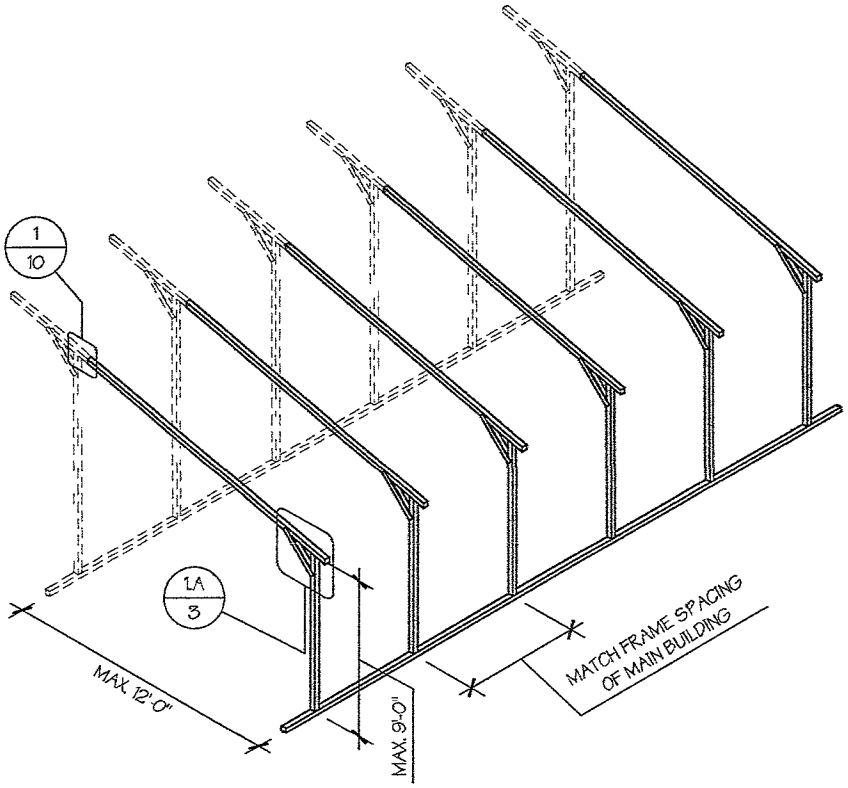
LEGAL INFORMATION

SEAL:



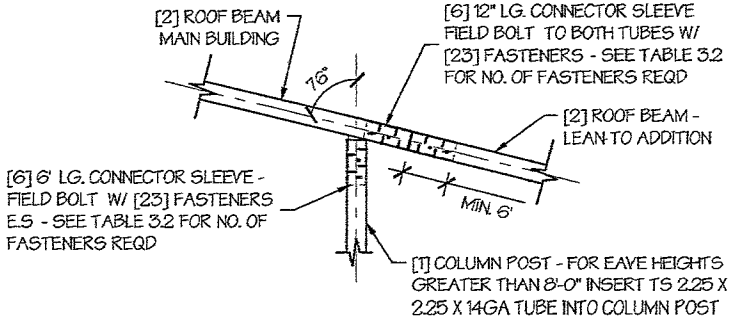
STAMP EXPIRY: 02-28-2025

DATE SIGNED: 02-27-2024



☐ OPTIONAL LEAN-TO ADDITION

SCALE: NTS



LEAN-TO ATTACHMENT DETAIL 1

SCALE: NTS

LEAN-TO ADDITION NOTES.

1. LEAN TO ADDITIONS CAN BE ADDED ON EITHER OR BOTH SIDES OF THE BUILDING
2. ROOF SLOPE, PURLIN, GIRT AND FRAME SPACING OF THE ADDITION HAVE TO MATCH THAT OF THE MAIN STRUCTURE.
3. 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: 20'-0" WIDE BUILDINGS

LOCATION: STATE OF FLORIDA

PROJECT NO.: 445-23-2029

SHEET TITLE: OPTIONAL LEAN-TO ADDITION

SHEET NO.: 10 / 11

DRAWN BY: AW DATE: 1/26/22

CHECKED BY: OAA DATE: 1/26/22

LEGAL INFORMATION

SEAL

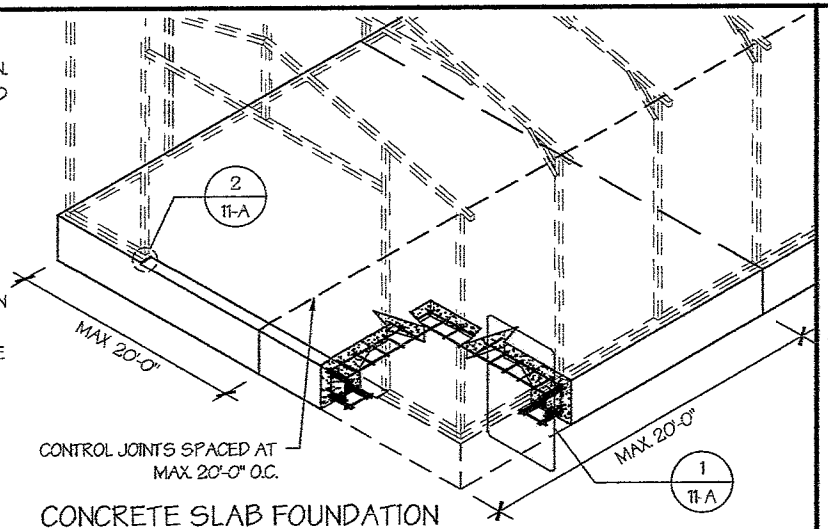
OMAR A. ABU-YASEIN LICENSE No. 52851 STATE OF FLORIDA PROFESSIONAL ENGINEER

STAMP EXPIRY: 02-28-2025

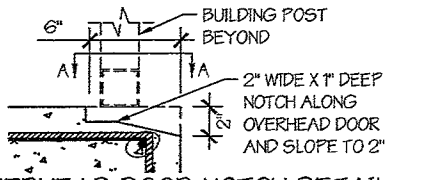
DATE SIGNED: 02-27-2024

CONCRETE SLAB FOUNDATION NOTES:

1. DESIGNS SHOWN ON THIS SHEET ARE FOR CONCRETE SLAB FOUNDATION. ANY OF THE FOUNDATIONS SHOWN ON SHEETS 11-A THRU C CAN BE USED
2. CONCRETE ANCHORS SHALL BE LOCATED NEXT TO EVERY POST AND ON EITHER SIDE OF OPENINGS. TWO ANCHORS SHALL BE INSTALLED AT CORNERS OF ENCLOSED BUILDINGS WITH END WALLS ONE ON EACH BASE RAIL. IN LOCATIONS REQUIRING TWO ANCHORS DUE TO WIND, ONE ANCHOR IS TO BE ON EACH SIDE OF THE COLUMN POST
3. ANCHORS IN CLOSE PROXIMITY TO EACH OTHER MUST HAVE A MIN. 4" SPACING
4. MIN. NUMBER OF CONCRETE ANCHORS PER POST SHALL BE AS SHOWN IN TABLE 11-A.2
5. THE SIZE OF THE SLAB SHALL BE THE SIZE (WIDTH AND LENGTH) OF THE BUILDING PLUS $5\frac{1}{2}$" FOR 14GA MATERIAL AND $5\frac{3}{4}$" FOR 12GA MATERIAL.
6. DEPTH OF SLAB TURN DOWN FOOTING SHALL BE GREATER THAN FROST DEPTH SPECIFIED PER LOCAL CODE.
7. CONTROL JOINTS SHALL BE PLACED SO AS TO LIMIT MAX. SLAB SPANS TO 20' IN EACH DIRECTION.
8. ASSUMED SOIL BEARING CAPACITY IS TO BE A MIN. OF 1500 PSF
9. CONCRETE STRENGTH TO BE A MIN OF 2500 PSI @ 28 DAYS



CONCRETE SLAB FOUNDATION
SCALE: NTS



OVERHEAD DOOR NOTCH DETAIL (2)
SCALE: NTS

TABLE 11-A.1. NOTCH WIDTH

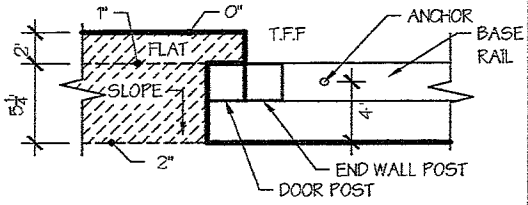
HORIZONTAL/OPEN		VERTICAL	
☐ 14GA	☐ 12GA	☐ 14GA	☐ 12GA
2 3/4"	2 7/8"	1 3/4"	1 7/8"

NOTE: DEPTH IS TO BE 1 1/2"

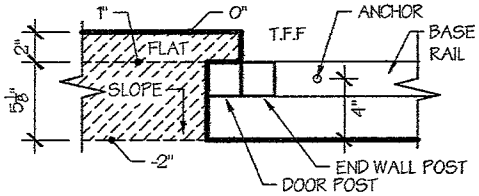
TABLE 11-A.2. CONCRETE SLAB ANCHOR SCHEDULE

ENCLOSURE	WIND SPEED (MPH)	ANCHOR SIZE/NUMBER
ENCLOSED	☐ 105 TO 135	(1) 1/2"Ø X 7"
	☐ 136 TO 180	(2) 1/2"Ø X 7"
OPEN	☐ 105 TO 135	(1) 1/2"Ø X 7"
	☐ 136 TO 180	(2) 1/2"Ø X 7"

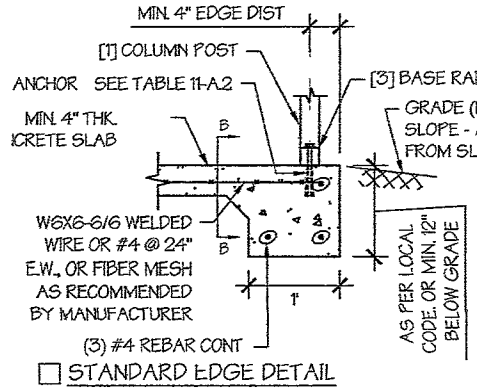
NOTES:
1. ANCHORS ARE TO BE CONCRETE WEDGE OR EXPANSION ANCHORS.
2. MIN. EMBEDMENT DEPTH TO BE $2\frac{7}{8}$"
3. ANCHORS TO BE SPACED NO MORE THAN 6" FROM POSTS



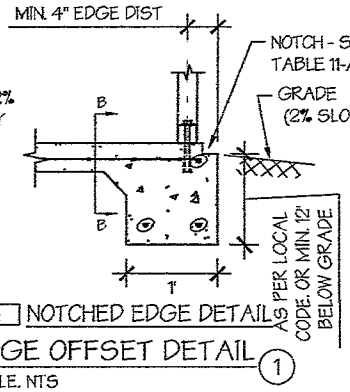
14GA SECTION A-A



12GA SECTION A-A

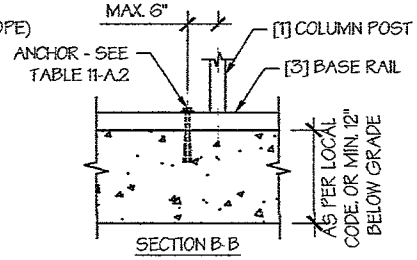


☐ STANDARD EDGE DETAIL



☐ NOTCHED EDGE DETAIL

EDGE OFFSET DETAIL (1)
SCALE: NTS



SECTION B-B

MANUFACTURED BY:

MARTINEZ CARPORTS LLC

ENGINEERED BY:

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CIVIL - STRUCTURAL
6036 Renaissance Place, Toledo, OH 43623
Tel. 419-292-1988 • Fax. 419-292-0955
www.aa-engineers.com

DRAWING INFORMATION

PROJECT: 20'-0" WIDE BUILDINGS
LOCATION: STATE OF FLORIDA
PROJECT NO.: 445-23-2029
SHEET TITLE: FOUNDATION OPTION 1: CONCRETE SLAB
SHEET NO.: 11-A / 11
DRAWN BY: AW DATE: 1/26/22
CHECKED BY: OAA DATE: 1/26/22

LEGAL INFORMATION

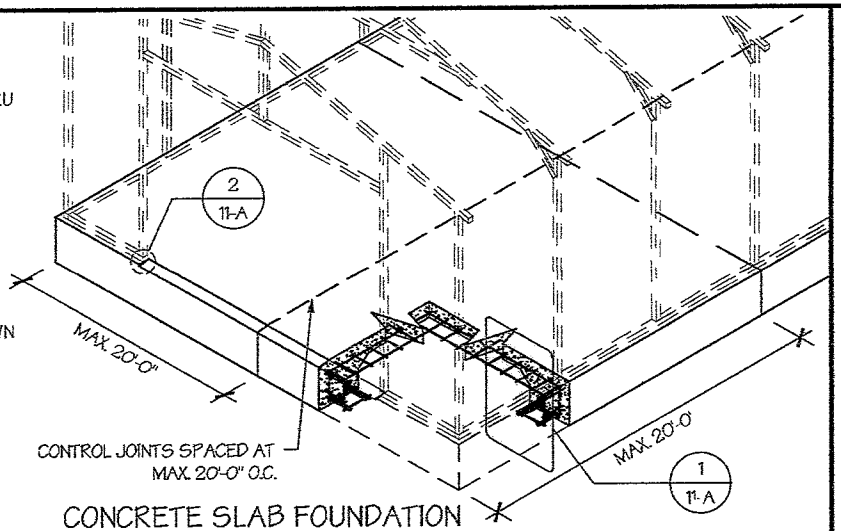
SEAL:

OMAR A. ABU-YASEIN LICENSE No. 52851 STATE OF FLORIDA PROFESSIONAL ENGINEER

STAMP EXPIRY: 02-28-2025
DATE SIGNED: 02-27-2024

CONCRETE SLAB FOUNDATION NOTES:

1. DESIGNS SHOWN ON THIS SHEET ARE FOR CONCRETE SLAB FOUNDATION. ANY OF THE FOUNDATIONS SHOWN ON SHEETS 11-A THRU C CAN BE USED
2. CONCRETE ANCHORS SHALL BE LOCATED NEXT TO EVERY POST AND ON EITHER SIDE OF OPENINGS. TWO ANCHORS SHALL BE INSTALLED AT CORNERS OF ENCLOSED BUILDINGS WITH END WALLS. ONE ON EACH BASE RAIL. IN LOCATIONS REQUIRING TWO ANCHORS DUE TO WIND, ONE ANCHOR IS TO BE ON EACH SIDE OF THE COLUMN POST
3. ANCHORS IN CLOSE PROXIMITY TO EACH OTHER MUST HAVE A MIN. 4 SPACING
4. MIN. NUMBER OF CONCRETE ANCHORS PER POST SHALL BE AS SHOWN IN TABLE 11-A.1.
5. THE SIZE OF THE SLAB SHALL BE THE SIZE (WIDTH AND LENGTH) OF THE BUILDING PLUS ½" FOR 14GA MATERIAL AND 1" FOR 12GA MATERIAL.
6. DEPTH OF SLAB TURN DOWN FOOTING SHALL BE GREATER THAN FROST DEPTH SPECIFIED PER LOCAL CODE.
7. CONTROL JOINTS SHALL BE PLACED SO AS TO LIMIT MAX. SLAB SPANS TO 20' IN EACH DIRECTION.
8. ASSUMED SOIL BEARING CAPACITY IS TO BE A MIN. OF 1500 PSF
9. CONCRETE STRENGTH TO BE A MIN OF 2500 PSI @ 28 DAYS.



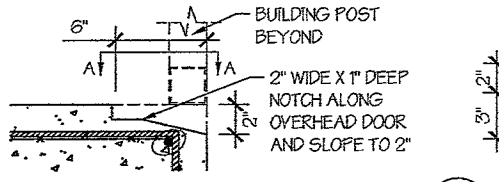
CONCRETE SLAB FOUNDATION

SCALE. NTS

TABLE 11-A.1: CONCRETE SLAB ANCHOR SCHEDULE

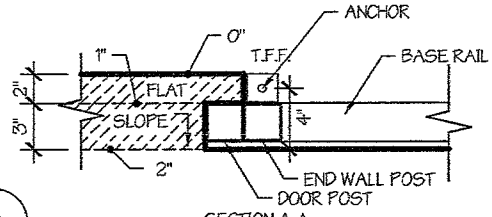
ENCLOSURE	WIND SPEED (MPH)	ANCHOR SIZE/NUMBER
ENCLOSED	☐105 TO 135	(1) 1/2"Ø X 7"
	☐136 TO 180	(2) 1/2"Ø X 7"
OPEN	☐105 TO 135	(1) 1/2"Ø X 7"
	☐136 TO 180	(2) 1/2"Ø X 7"

NOTES:
1. ANCHORS ARE TO BE CONCRETE WEDGE OR EXPANSION ANCHORS
2. MIN. EMBEDMENT DEPTH TO BE 2⅞"
3. ANCHORS TO BE SPACED NO MORE THAN 6" FROM POSTS

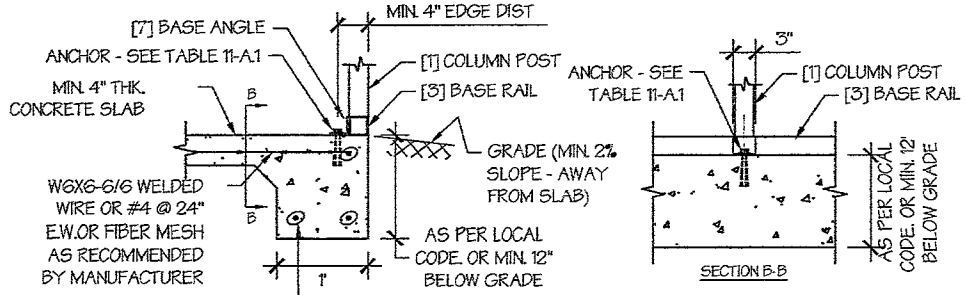


OVERHEAD DOOR NOTCH DETAIL 2

SCALE. NTS



SECTION A-A



SECTION B-B

☐EDGE FLUSH DETAIL 1

SCALE. NTS

MANUFACTURED BY:

MARTINEZ CARPORTS LLC

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6036 Renaissance Place, Toledo, OH 43623
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www.aa-engineers.com

DRAWING INFORMATION

PROJECT: 20'-0" WIDE BUILDINGS

LOCATION: STATE OF FLORIDA

PROJECT NO.: 445-23-2029

SHEET TITLE:

FOUNDATION OPTION 1: CONCRETE SLAB

SHEET NO.: 11-A / 11

DRAWN BY: AW DATE: 1/26/22

CHECKED BY: OAA DATE: 1/26/22

LEGAL INFORMATION

SEAL

OMAR A. ABU-YASEIN LICENSE No. 52851 STATE OF FLORIDA PROFESSIONAL ENGINEER

STAMP EXPIRY: 02-28-2025

DATE SIGNED: 02-27-2024

TABLE 11-B.1: ANCHOR SCHEDULE

ENCLOSURE	WIND SPEED (MPH)	ANCHOR SIZE/NUMBER
ENCLOSED	☐105 TO 135	(1) 1/2"Ø X 7"
	☐136 TO 180	(2) 1/2"Ø X 7"
OPEN	☐105 TO 135	(1) 1/2"Ø X 7"
	☐136 TO 180	(2) 1/2"Ø X 7"

NOTES

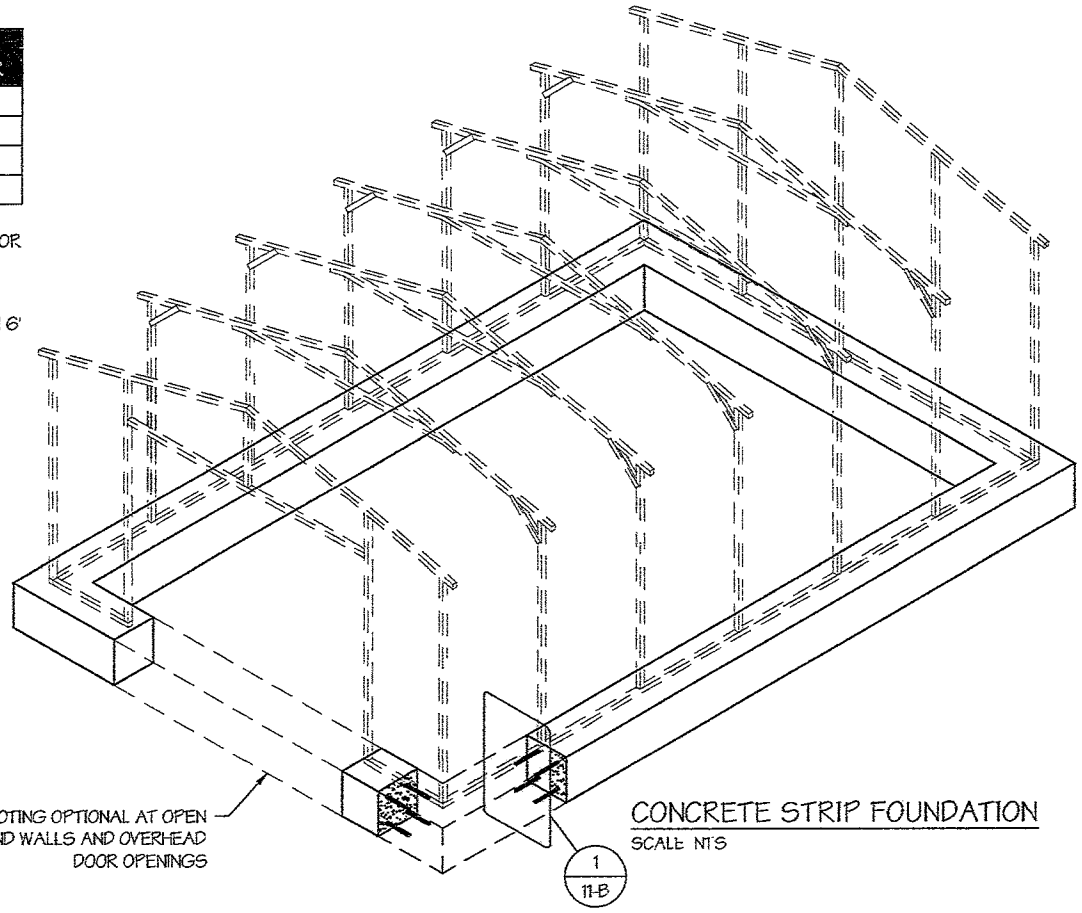
1. ANCHORS ARE TO BE CONCRETE WEDGE OR EXPANSION ANCHORS.
2. MIN. EMBEDMENT DEPTH TO BE $2\frac{7}{8}$"
3. ANCHORS TO BE SPACED NO MORE THAN 6' FROM POSTS

TABLE 11-B.2: CONC. STRIP SCHEDULE

WIND SPEED (MPH)	MIN. SIZE REQD.
☐105 TO 130	12" X 12"
☐140 TO 155	18" X 12"
☐165 TO 180	26" X 12" 21 X 15" 18" X 18"

NOTES:

1. WIDTH AND DEPTH DIMENSIONS CAN BE INTERCHANGED

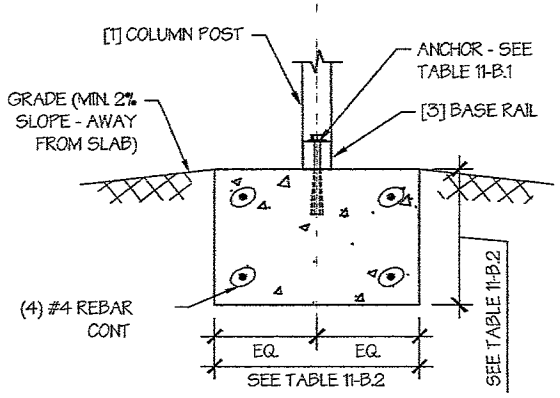


CONCRETE STRIP FOUNDATION

SCALE: NTS

CONCRETE STRIP FOUNDATION NOTES.

1. DESIGNS SHOWN ON THIS SHEET ARE FOR CONCRETE STRIP FOUNDATION. ANY OF THE FOUNDATIONS SHOWN ON SHEETS 11-A 1 THRU C CAN BE USED
2. CONCRETE ANCHORS SHALL BE LOCATED NEXT TO EVERY POST AND ON EITHER SIDE OF OPENINGS. TWO ANCHORS SHALL BE INSTALLED AT CORNERS OF ENCLOSED BUILDINGS WITH END WALLS. ONE ON EACH BASE RAIL. IN LOCATIONS REQUIRING TWO ANCHORS DUE TO WIND, ONE ANCHOR IS TO BE ON EACH SIDE OF THE COLUMN POST
3. MIN. NUMBER OF CONCRETE ANCHORS PER POST SHALL BE AS SHOWN IN TABLE 11-B.1.
4. ANCHORS IN CLOSE PROXIMITY TO EACH OTHER MUST HAVE A MIN. 4" SPACING.
5. DEPTH OF CONCRETE STRIP FOOTING SHALL BE GREATER THAN FROST DEPTH SPECIFIED PER LOCAL CODE.
6. ASSUMED SOIL BEARING CAPACITY IS TO BE A MIN. OF 1500 PSF
7. CONCRETE STRENGTH TO BE A MIN OF 2500 PSI @ 28 DAYS.
8. BUILDING IS TO BE MOUNTED ON THE CENTER OF THE STRIP FOUNDATION.



☐ CONCRETE STRIP FOUNDATION DETAIL

SCALE: NTS

1

MANUFACTURED BY:

MARTINEZ CARPORTS LLC

ENGINEERED BY:

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CIVIL - STRUCTURAL
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www.aa-engineers.com

DRAWING INFORMATION

PROJECT: 20'-0" WIDE BUILDINGS

LOCATION: STATE OF FLORIDA

PROJECT NO.: 445-23-2029

SHEET TITLE:

FOUNDATION OPTION 2: CONCRETE STRIP

SHEET NO.: 11-B / 11

DRAWN BY: AW DATE: 1/26/22

CHECKED BY: OAA DATE: 1/26/22

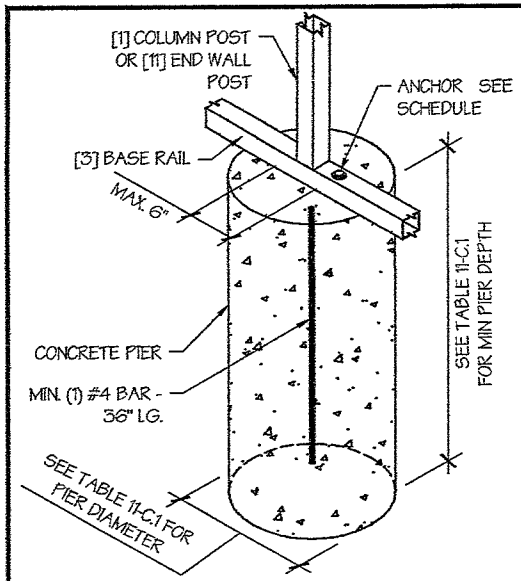
LEGAL INFORMATION

SEAL:

OMAR A. ABU-YASEIN LICENSE No. 52851 STATE OF FLORIDA PROFESSIONAL ENGINEER

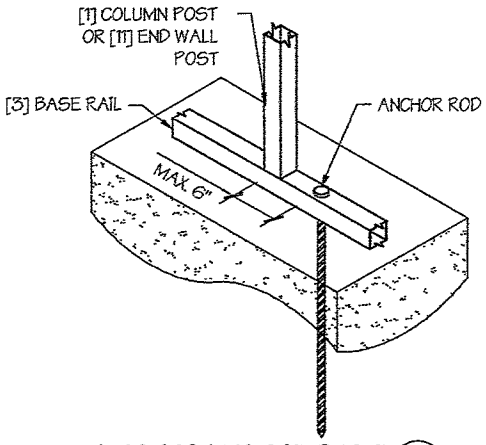
STAMP EXPIRY: 02-28-2025

DATE SIGNED: 02-27-2024



CONCRETE PIER DETAIL 1

SCALE: NTS

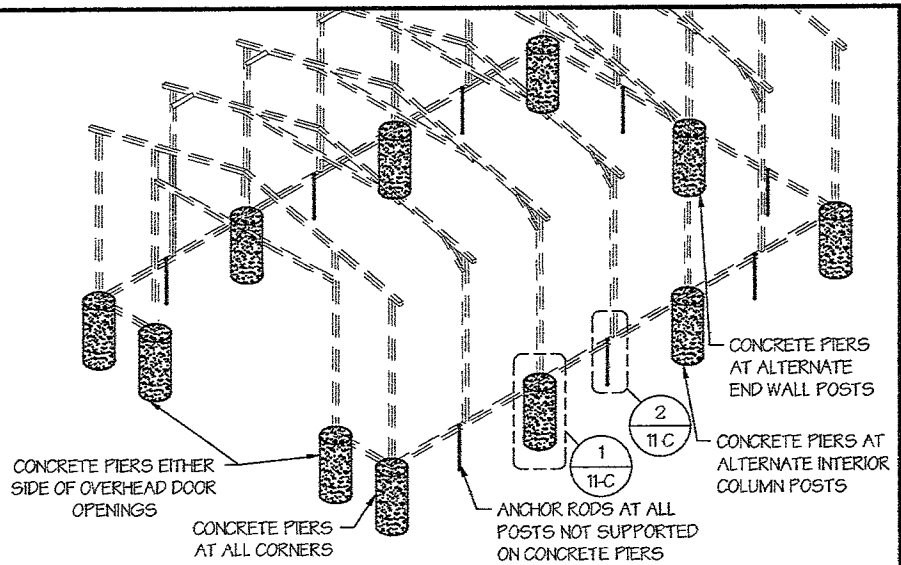


ANCHOR ROD INTO SOIL DETAIL 2

SCALE: NTS

TABLE 11-C.1: CONC PIER SCHEDULE

WIND SPEED (MPH)	MIN. SIZE REQD.
☐105 TO 130	18"Ø X 36"
☐140 TO 155	18"Ø X 42"
☐165 TO 180	18"Ø X 48"



☐ CONCRETE PIER FOUNDATION

SCALE: NTS

CONCRETE PIER FOUNDATION NOTES:

1. DESIGNS SHOWN ON THIS SHEET ARE FOR CONCRETE PIER FOUNDATION. ANY OF THE FOUNDATIONS SHOWN ON SHEETS 11 A THRU C CAN BE USED
2. CONCRETE PIERS SHALL BE LOCATED AT ALL 4 CORNERS, ON EACH SIDE OF OVERHEAD DOOR OPENINGS AND ON ALTERNATE INTERIOR COLUMN POSTS AND END WALLS POSTS.
3. TWO ANCHORS SHALL BE INSTALLED AT CORNERS OF ENCLOSED BUILDINGS WITH END WALLS - ONE ON EACH BASE RAIL. IN LOCATIONS REQUIRING TWO ANCHORS DUE TO WIND, ONE ANCHOR IS TO BE ON EACH SIDE OF THE COLUMN POST WITH A PIER.
4. ANCHORS IN CLOSE PROXIMITY TO EACH OTHER MUST HAVE A MIN. 4" SPACING
5. MIN. NUMBER OF CONCRETE ANCHORS PER POST WITH A PIER SHALL BE AS SHOWN IN TABLE 11 C.2.
6. TWO ANCHORS AND A PIER ARE REQUIRED AT DIAGONAL BRACING LOCATIONS WHEN REQUIRED
7. ALL POSTS NOT SUPPORTED ON CONCRETE PIERS SHALL 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.
8. PIERS SHALL BE FORMED BY DIGGING A HOLE OF THE SAME SIZE AS THE PIER ON LEVEL GRADE AND FILLING IT WITH CONCRETE. THRD ROD ANCHORS SHOULD BE DROPPED INTO THE PIERS PRIOR TO POURING THE CONCRETE.
9. ASSUMED SOIL BEARING CAPACITY IS TO BE A MIN. OF 1500 PSF
10. CONCRETE STRENGTH TO BE A MIN OF 2500 PSI @ 28 DAYS.

TABLE 11-C.2: ANCHOR SCHEDULE

ENCLOSURE	WIND SPEED (MPH)	ANCHOR SIZE/NUMBER
ENCLOSED	☐105 TO 135	(1) 1/2"Ø X 7"
	☐136 TO 180	(2) 1/2"Ø X 7"
OPEN	☐105 TO 135	(1) 1/2"Ø X 7"
	☐136 TO 180	(2) 1/2"Ø X 7"

NOTES:

1. ANCHORS ARE TO BE CONCRETE WEDGE OR EXPANSION ANCHORS.
2. MIN. EMBEDMENT DEPTH TO BE $2\frac{7}{8}$"
3. ANCHORS TO BE SPACED NO MORE THAN 6" FROM POSTS

MANUFACTURED BY:

MARTINEZ CARPORTS LLC

ENGINEERED BY:

A&A ENGINEERING
CIVIL - STRUCTURAL
6035 Renaissance Place, Toledo, OH 43623
Tel. 419-292-1985 • Fax. 419-292-095.
www.aa-engineers.com

DRAWING INFORMATION

PROJECT: 20'-0" WIDE BUILDINGS

LOCATION: STATE OF FLORIDA

PROJECT NO.: 445-23-2029

SHEET TITLE:

FOUNDATION OPTION 3: CONCRETE PIERS

SHEET NO.: 11-C / 11

DRAWN BY: AW DATE: 1/26/22

CHECKED BY: OAA DATE: 1/26/22

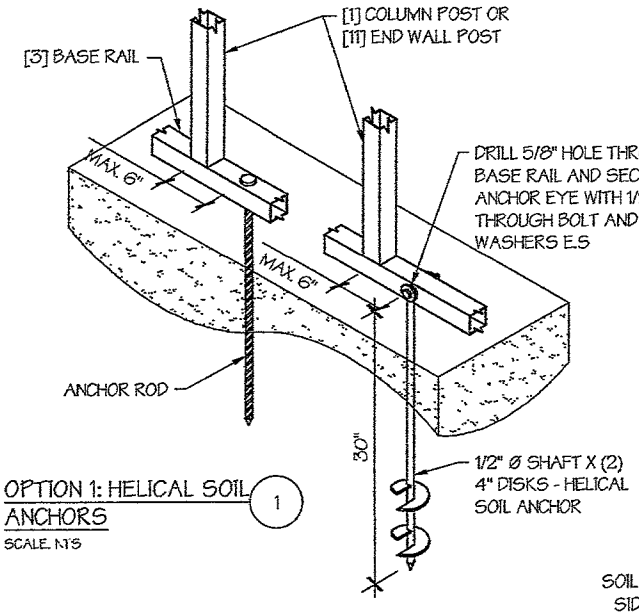
LEGAL INFORMATION

SEAL

OMAR A. ABU-YASEIN LICENSE No. 52851 STATE OF FLORIDA PROFESSIONAL ENGINEER

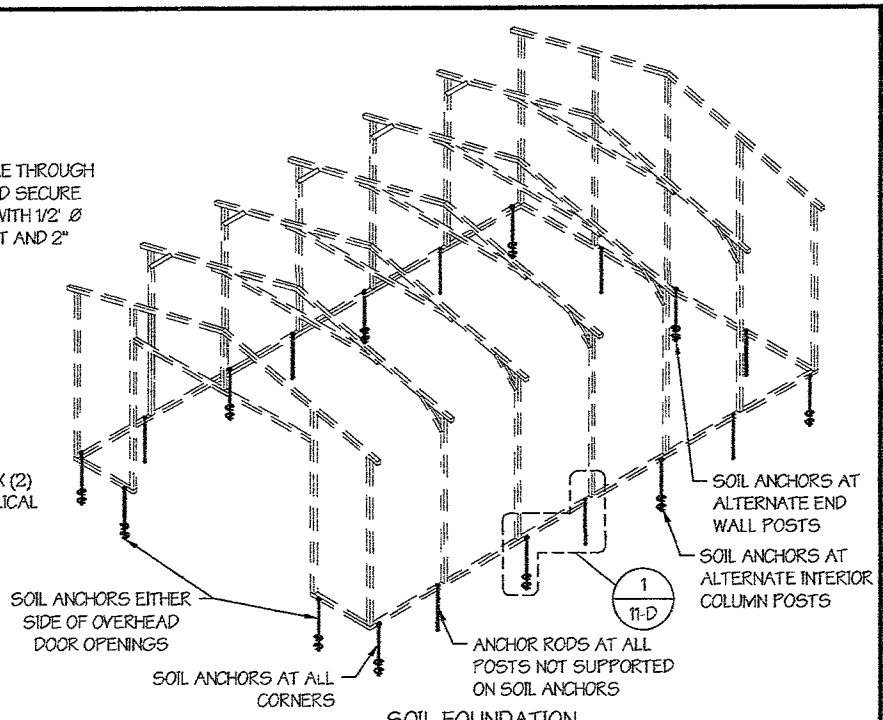
STAMP EXPIRY: 02-28-2025

DATE SIGNED: 02-27-2024



☐ OPTION 1: HELICAL SOIL ANCHORS (1)

SCALE: NTS



SOIL FOUNDATION

SCALE: NTS

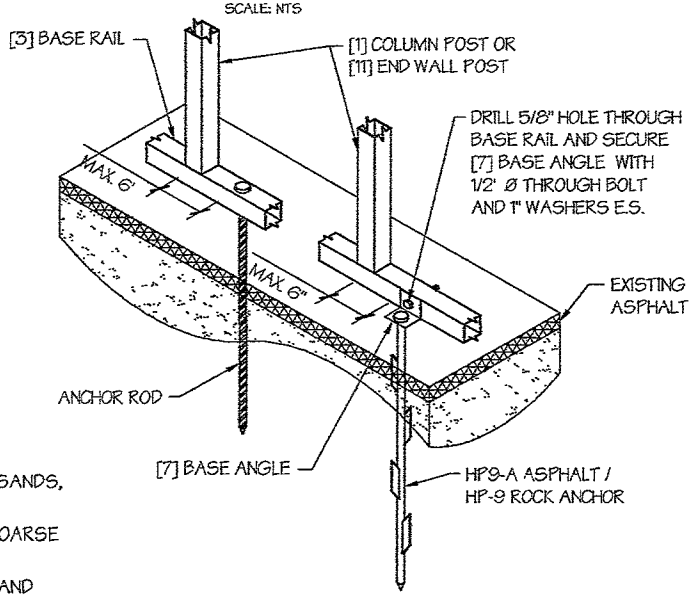
SOIL FOUNDATION NOTES:

1. DESIGNS SHOWN ON THIS SHEET ARE FOR SOIL ANCHOR FOUNDATION.
2. SOIL ANCHORS (HELICAL OR ROCK/ASPHALT) SHALL BE LOCATED AT ALL 4 CORNERS, ON EACH SIDE OF OVERHEAD DOOR OPENINGS ON POSTS WITH DIAGONAL BRACING IF REQUIRED, AND ON ALTERNATE INTERIOR COLUMN POSTS AND END WALLS POSTS
3. HELICAL ANCHORS ARE TO BE USED ONLY IF THE DRIVING TORQUE INTO THE GROUND IS 150 FT-LBS OR GREATER. MANUFACTURER IS NOT RESPONSIBLE FOR SOIL QUALITY AT SITE.
4. HELICAL ANCHORS CAN ONLY BE USED FOR CLASS 2, 3 & 4 SOILS (SEE SOIL CLASSIFICATIONS THIS PAGE).
5. ALL POSTS WITH NO ANCHORS ADJACENT SHALL BE ANCHORED TO THE GROUND WITH A 1/2" X 30" LG ROD. RODS WILL HAVE A PRE-FORMED HEAD AT THE TOP AND ONE COAT OF RUST PROOF MATERIAL.
6. ASSUMED SOIL BEARING CAPACITY IS TO BE A MIN. OF 1500 PSF

SOIL CLASSIFICATIONS:

SOIL CLASS	DESCRIPTION
2	SANDY GRAVEL AND GRAVEL, VERY THIN DENSE AND/OR CEMENTED SANDS, COARSE GRAVEL/COBBLES, PRELOADED SILTS, CLAYS AND CORAL.
3	SAND, SILTY SAND, CLAYEY SAND, SILTY GRAVEL, MEDIUM DENSE COARSE SANDS, SANDY GRAVEL, VERY STIFF SILT AND SANDY CLAYS
4	LOOSE TO MEDIUM DENSE SANDS, FIRM TO STIFF CLAYS AND SILTS AND ALLUVIAL FILLS.

"FROM HUD *"MODEL MANUFACTURED HOME INSTALLATION STANDARDS"*



☐ OPTION 2: ROCK / ASPHALT ANCHORS (1)

SCALE: NTS

MANUFACTURED BY:

MARTINEZ CARPORTS LLC

ENGINEERED BY:

A&A ENGINEERING
CIVIL - STRUCTURAL
6035 Renaissance Place, Toledo, OH 43623
Tel. 419-292-1983 • Fax. 419-292-0951
www.aa-engineers.com

DRAWING INFORMATION

PROJECT: 20'-0" WIDE BUILDINGS

LOCATION: STATE OF FLORIDA

PROJECT NO.: 445-23-2029

SHEET TITLE: FOUNDATION OPTION 4: SOIL ANCHORS

SHEET NO.: 11-D / 11

DRAWN BY: AW DATE: 1/26/22

CHECKED BY: OAA DATE: 1/26/22

LEGAL INFORMATION

SEAL:

OMAR A. ABU-YASEIN LICENSE No. 52851 STATE OF FLORIDA PROFESSIONAL ENGINEER

STAMP EXPIRY: 02-28-2025

DATE SIGNED: 02-27-2024

Item Number	Description	Qty	Unit Price	Total Price
FAR-BD30	FARRO BASE DRAWER 30W X 34 1/2H X 24D	2	$279.00	$558.00
FAR-BTC18	FARRO BASE TRASH CAN PULLOUT 18W X 34 1/2H X 24D	2	$233.59	$467.18
FAR-TK8	FARRO TOE KICK 8'	1	$12.80	$12.80

Order Summary

Cart Sub Total:	$1,037.98
Shipping & Handling:	$0.00
Tax:	$77.85
Total:	**$1,115.83**

Item Number	Description	Qty	Unit Price	Total Price
WOD-BD30	WOODLAND BASE DRAWER 30W X 34 1/2H X 24D	2	$307.80	$615.60
WOD-BTC18	WOODLAND BASE TRASH CAN PULLOUT 18W X 34 1/2H X 24D	2	$247.60	$495.20
WOD-TK8	WOODLAND toe kick 8' - Inner	1	$13.60	$13.60

Order Summary

Cart Sub Total:	$1,124.40
Shipping & Handling:	$0.00
Tax:	$84.33
Total:	**$1,208.73**

INVOICE

Nelson's Buildings
4505 NW 13th St
Gainesville FL, 32609
(352) 374-7705

Product: Wood Shed

CUSTOMER NAME : Barbra Bennett

Phone 1 : (352) 262-2729
Phone 2 :
Email :
Address : 2009 120th NE Loop
Branford, FL 32008

CASH ON DELIVERY

$ 75.00

Date : 2/18/2025
Dealer : NFL Buildings
Sales Member: Brittney

Size : 10x16
Model : Lofted Barn
Serial Number (if available) :

Siding Color Taupe
Trim Color White
Roof Color Galv

ITEM / DESCRIPTION	QTY	PRICE	TOTAL
Site Check	1	75	$75.00
			$0.00
			$0.00
			$0.00
			$0.00
			$0.00
			$0.00
			$0.00
			$0.00
			$0.00
			$0.00
			$0.00

Sale Type : Check **Down Payment Date :** 2/18/25

Sub-total : $75.00
1.50% County Tax :
6.00% State Tax :

Total : $75.00
Down Payment :

Additional Notes:

Acknowledgment

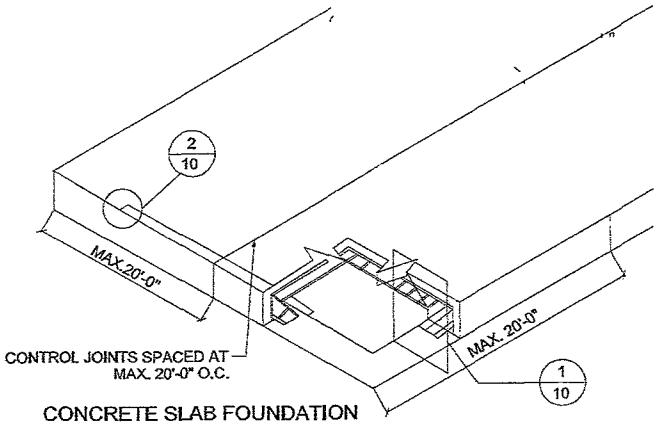
By signing below, the customer agrees to pay for the attached order. By signing this agreement, the customer understands the unpredictable nature of the construction/building industry. If a refund is requested, the refund request will be assessed on a per invoice basis. A refund is not guaranteed, and is determined at the discretion of Nelson's Buildings. The signee is responsible for covering additional costs from lack of communication and clarity during the order process. The signee agrees that the sales representative was knowledgeable and informative.

Customer Signature

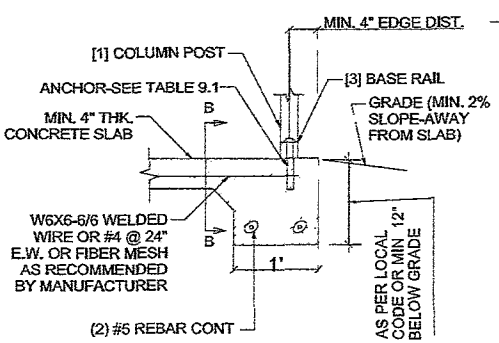
2/18/05
Date of Signature

CONCRETE SLAB FOUNDATION NOTES:SLAB FOUNDATION NOTES

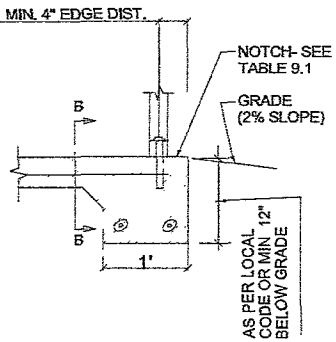
1 DESIGN SHOWN ON THIS SHEET ARE FOR CONCRETE SLAB FOUNDATION.
2. CONCRETE ANCHORS SHALL BE LOCATED NEXT TO EVERY POST AND ON EITHER SIDE OF OPENINGS. TWO ANCHORS SHALL BE INSTALLED AT CORNERS OF ENCLOSED BUILDING WITH END WALLS. ONE ON EACH BASE RAIL IN LOCATIONS REQUIRING TWO ANCHORS DUE TO WIND,ONE ANCHOR IS TO BE ON EACH SIDE OF THE COLUMN POST
3. ANCHORS IN CLOSE PROXIMITY TO EACH OTHER MUST HAVE A MIN. 4" SPACING.
4. MIN. NUMBER OF CONCRETE ANCHOR PER POST SHALL BE AS SHOWN.
5. THE SIZE OF THE SLAB SHALL BE THE SIZE (WIDTH AND LENGTH) OF THE BUILDING PLUS $5\frac{1}{2}$" FOR 14GA MATERIAL AND $5\frac{3}{4}$" FOR 12GA MATERIAL.
6. DEPTH OF SLAB TURN DOWN FOOTING SHALL BE GREATER THAN FROST DEPTH SPECIFIED PER LOCAL CODE.
7 CONTROL JOINTS SHALL BE PLACED SO AS TO LIMIT MAX. SLAB SPANS TO 20' IN EACH DIRECTION.
8. ASSUMED SOIL BEARING CAPACITY IS TO BE A MIN. OF 1500 PSF
9. CONCRETE STRENGTH TO BE A MIN. OF 2500 PSI @ 28 DAYS.
10. ANCHORS ARE TO BE 1/2" CONCRETE WEDGE OR EXPANSION ANCHORS.
11 MIN. EMBEDMENT DEPTH TO BE $2\frac{7}{8}$"
12. ANCHORS TO BE SPACED NO MORE THAN 6" FROM POSTS.



CONCRETE SLAB FOUNDATION

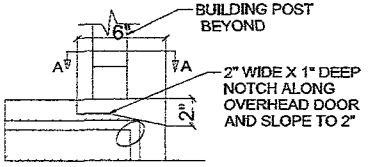


STANDARD EDGE DETAIL

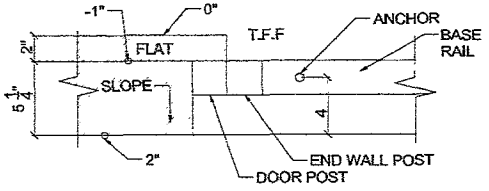


NOTCH EDGE DETAIL

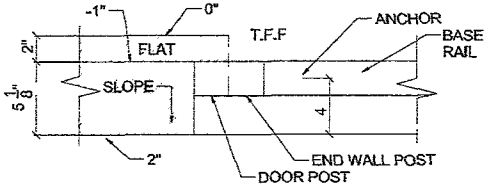
1. EDGE OFFSET DETAIL



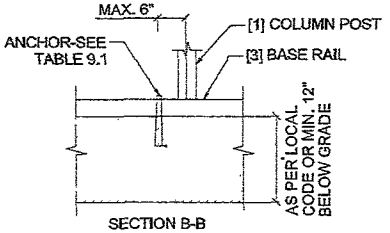
2. OVERHEAD DOOR NOTCH DETAIL



14GA SECTION A-A



12GA SECTION A-A



SECTION B-B

TABLE 9.1: NOTCH WIDTH

HORIZONTAL/OPEN		VERTICAL	
14GA	12GA	14GA	12GA
2.75"	2.875"	1.75"	1.875"

NOTE: DEPTH IS TO BE 1 1/2"

( ) BRACKETS DENOTE QUANTITY
[ ] BRACKETS DENOTE MEMBER, SEE LEGEND ON PG 1

This item has been digitally signed and sealed by Richard E. Walker P.E. on the date adjacent to the seal. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

FLORIDA ENGINEERING LLC
4161 TAMIAMI TRAIL, UNIT 101
PORT CHARLOTTE, FLORIDA 33952
(941) 391-5980
FLEng.com
Orders@FLEng.com
CA CERT #30782

PROJECT NO. 2422169

CONTRACTOR: MARTINEZ CARPORTS LLC

PROJECT DESCRIPTION: MARTIN
21705 S. US HWY 441,
HIGH SPRINGS, FL. 32643

DESIGN DATE:	08/09/2024
REVISION 1:	DATE
REVISION 2:	DATE
DRAWN BY:	JS
SCALE:	NTS