

- APPLICABLE CODES, REGULATIONS, & STANDARDS
- A. THE 2023 FLORIDA BUILDING CODE
 - B. ASCE/SEI 7-22 MINIMUM DESIGN LOADS ON BUILDINGS AND OTHER STRUCTURES
 - C. ACI 318-19 BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE
 - D. AISC STEEL CONSTRUCTION MANUAL (15TH EDITION)
 - E. AWS D1.1: STRUCTURAL WELDING

1. THESE PLANS BELONG EXCLUSIVELY TO THE STRUCTURE, INCLUDING MAIN WIND FORCE RESISTING SYSTEM (MWFRS), COMPONENTS AND CLADDING (C&C), AND BASE RAIL ANCHORAGE. OTHER DESIGN ISSUES, INCLUDING BUT NOT LIMITED TO PROPERTY SET-BACKS, ELECTRICAL, PLUMBING, INGRESS/EGRESS, FINISH FLOOR SLOPES AND ELEVATIONS, OR OTHER LOCAL ZONING REQUIREMENTS ARE THE LIABILITY OF OTHERS.

2. THESE STRUCTURES ARE ENGINEERED AS (RISK CATEGORY I) CAPABLE OF SUPPORTING DEAD LOAD OF THE STRUCTURE AND LIVE AND WIND LOADS. UPGRADES NOT SPECIFICALLY ADDRESSED HEREIN, SUCH AS WINDOWS, DOORS, OR ANOTHER COMPONENT NOT LISTED IN THE BUILDING CODE APPROVED PRODUCT LIST, AND NOT PROVIDED AND INSTALLED BY THE CONTRACTOR, WHICH CAUSE ADDITIONAL LOADS ON THE STRUCTURE SHALL BE AT THE OWNER'S RISK. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR FAILURE OR STRUCTURAL DAMAGE DUE TO THE EXTRA LOAD.

3. ALL STEEL TUBING SHALL BE 50 KSI GALVANIZED STEEL. ALL FASTENERS SHALL BE ZINC COATED HARDWARE.

4. SPECIFICATIONS APPLICABLE TO METAL PANELS FASTENED DIRECTLY TO TUBE STEEL (TS) FRAMING MEMBERS FOR VERTICAL PANELS, METAL PANELS SHALL BE FASTENED TO HAT CHANNELS (UNLESS OTHERWISE NOTED).

DESIGN LOAD NOTES:

1. BASIC WIND SPEED = 120 MPH
EXPOSURE CATEGORY = C
RISK CATEGORY = I

2. DESIGN LIVE LOAD = 12 PSF

3. THESE STRUCTURES HAVE BEEN DESIGNED TO WITHSTAND A MAXIMUM WIND SPEED OF 160 MPH IN EXPOSURE CATEGORY C.

MEMBER LEGEND

- 1. POST = 2.5"x2.5"x14GA TUBE W/ 2.25"x2.25"x14GA TUBE INSERT
- 2. ROOF GABLE BEAM = 2.5"x2.5"x14GA TUBE
- 3. BASE RAIL = 2.5"x2.5"x14GA TUBE
- 4. PEAK BRACE = 2.5"x2.5"x14GA TUBE/2.5"x1.5"x18GA CHANNEL
- 5. KNEE BRACE = 2.5"x1.5"x14GA CHANNEL
- 6. CONNECTOR SLEEVE = 2.25"x2.25"x12GA TUBE
- 7. BASE ANGLE = 2"x2"x3"x3/16" ANGLE
- 8. PURLIN = 4.25"x1.5"x18GA / 14GA HAT CHANNEL
- 9. GIRT = 4.25"x1.5"x18GA / 14GA HAT CHANNEL
- 10. SHEATHING = 29 GA CORRUGATED SHEET
- 11. END WALL POST = 2.5"x2.5"x14GA TUBE
- 12. DOOR POST = 2.5"x2.5"x14GA TUBE
- 13. SINGLE HEADER = 2.5"x2.5"x14GA TUBE
- 14. DOUBLE HEADER = (2) 2.5"x2.5"x14GA TUBE
- 15. SERVICE DOOR / WINDOW FRAMING = 2.5"x2.5"x14GA TUBE
- 16. ANGLE BRACKET = 2"x2"x2"x14GA ANGLE
- 17. STRAIGHT BRACKET = 2"x2"x4"x14GA PLATE
- 18. PB SUPPORT = 2.5"x2.5"x14GA TUBE
- 19. DIAGONAL BRACE = 2"x2"x14GA TUBE
- 20. GABLE BRACE = 2"x2"x14GA TUBE
- 21. DB BRACKET = 2.25"x2.25"x6"x14GA ANGLE
- 22. TRUSS SPACER = 2.5"x2.5"x14GA TUBE
- 23. ALL FASTENERS = #12X1" SDS (ESR-2196 OR EQ.)

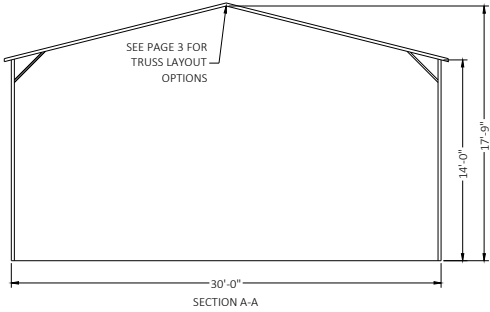
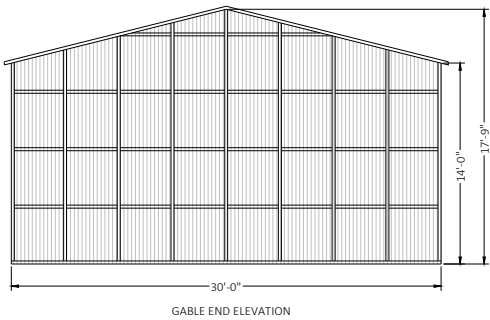
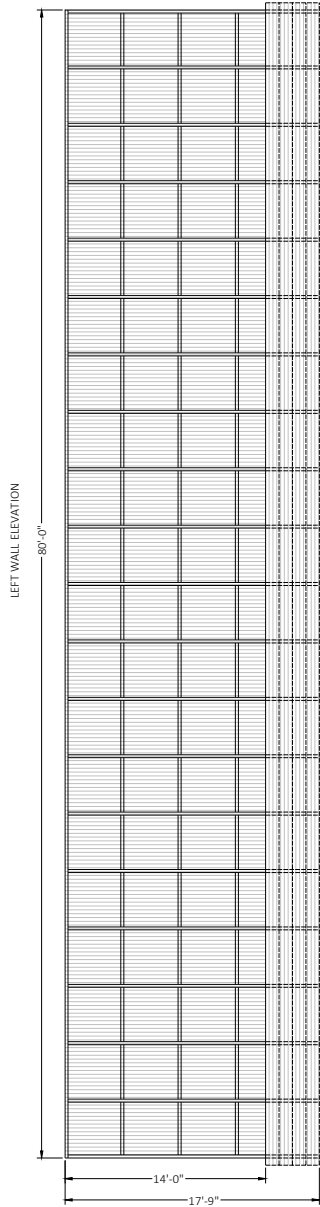
FRAMING NOTES:

- 1. MAX POST SPACING = 4'-0" O.C.
- 2. MAX ROOF SLOPE = 3V:12H
- 3. ALL SHOP CONNECTIONS SHALL BE WELDED CONNECTIONS.
- 5. ALL FIELD CONNECTIONS SHALL BE #12X1" SDS (ESR-2196 OR EQUIVALENT).
- 6. STEEL SHEATHING SHALL BE 29GA CORRUGATED GALVANIZED OR PAINTED STEEL – MAIN RIB HEIGHT ¾" (80 KSI YIELD STRENGTH) OR EQUIVALENT.
- 7. ALL STRUCTURAL LIGHT GAUGE TUBING AND CHANNELS SHALL BE GRADE 50 STEEL.
- 8. STRUCTURAL TUBE TS 2.5"x2.5"x14GA IS EQUIVALENT TO TS 2.25"x2.25"x12GA AND EITHER MAY BE USED IN LIEU OF THE OTHER.
- 9. CONSTRUCTION IN SPECIAL FLOOD HAZARD AREAS:
CONTRACTOR TO VERIFY THAT THE FINISHED FLOOR ELEVATION FOR THE PROPOSED STRUCTURE IS AT OR ABOVE THE GREATER OF THE FOLLOWING ELEVATIONS:
I) BFE (BASE FLOOD ELEVATION) + 2'-0"
II) DFE (DESIGN FLOOD ELEVATION)
III) THE MINIMUM ELEVATION MANDATED BY THE BUILDING CODES ADOPTED BY THE AUTHORITY HAVING JURISDICTION.

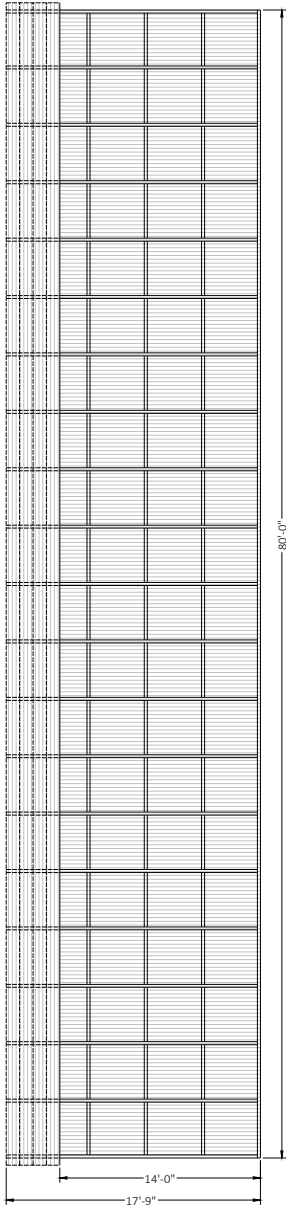
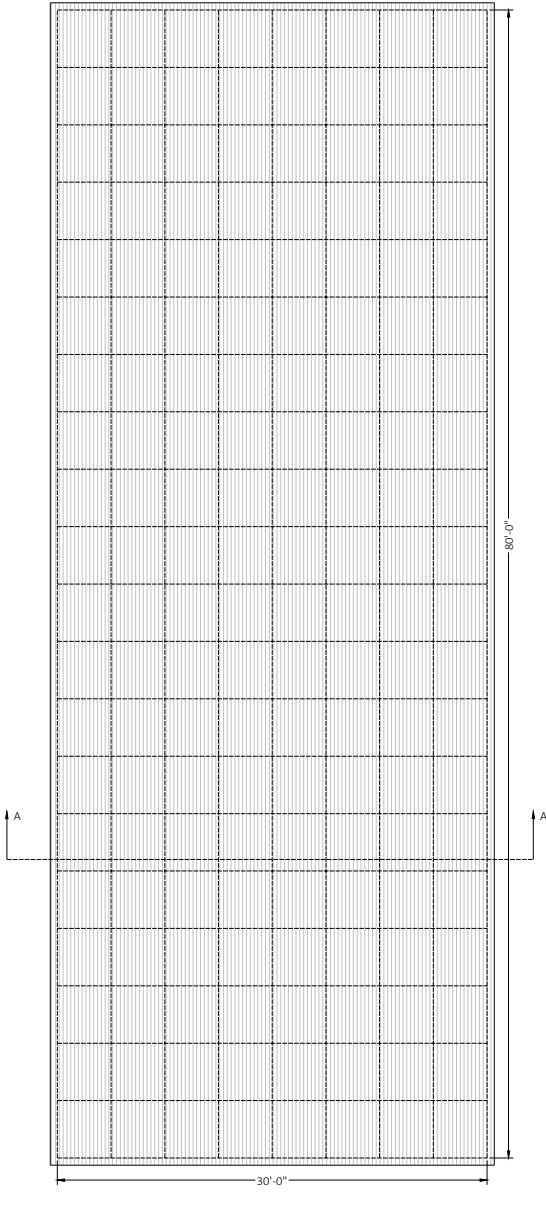


ENCLOSED METAL BUILDING DESIGN
MAXIMUM 30'-0" WIDE X 14'-0" EAVE HEIGHT
A-FRAME & REGULAR STYLE

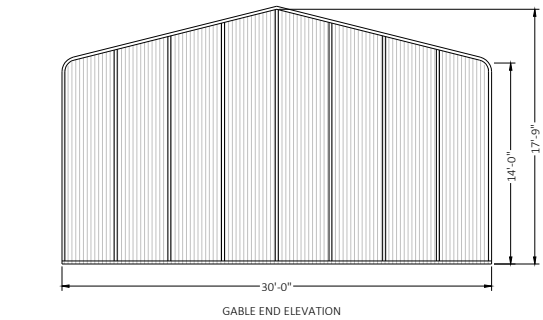
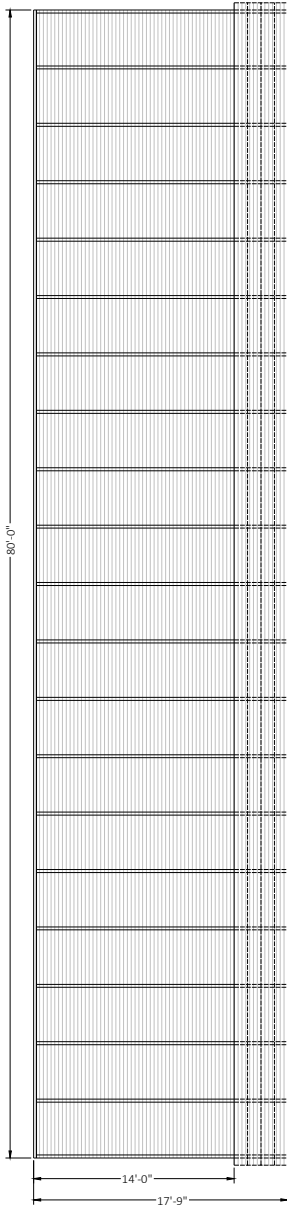
ADJUSTED C & C WIND PRESSURES (ROOF, ASD, PSF)				ADJUSTED C & C WIND PRESSURES (WALL, ASD, PSF)	
EFFECTIVE WIND AREA (SQ. FT) : ALL ZONES (POSITIVE) = ZONE 1' (NEGATIVE) = ZONE 1' (OVERHANG) = ZONE 1 (NEGATIVE) = ZONE 1 (OVERHANG) = ZONE 2 (NEGATIVE) = ZONE 2 (OVERHANG) = ZONE 3 (NEGATIVE) = ZONE 3 (OVERHANG) =	10.00	EFFECTIVE WIND AREA (SQ. FT) :	200.00	EFFECTIVE WIND AREA (SQ. FT) :	10.00
	NA	ALL ZONES (POSITIVE) =	NA	ALL ZONES (POSITIVE) =	25.2
	NA	ZONE 1' (NEGATIVE) =	NA	ZONE 4 (NEGATIVE) =	-26.8
	NA	ZONE 1' (OVERHANG) =	NA	ZONE 5 (NEGATIVE) =	-31.7
	-41.4	ZONE 1 (NEGATIVE) =	-20		
	-57.6	ZONE 1 (OVERHANG) =	-32.4	EFFECTIVE WIND AREA (SQ. FT) :	20.00
	-52.7	ZONE 2 (NEGATIVE) =	-25.2	ALL ZONES (POSITIVE) =	24.3
	-68.9	ZONE 2 (OVERHANG) =	-37.7	ZONE 4 (NEGATIVE) =	-25.9
	-67.3	ZONE 3 (NEGATIVE) =	-38.1	ZONE 5 (NEGATIVE) =	-29.9
	-83.4	ZONE 3 (OVERHANG) =	-50.6		
EFFECTIVE WIND AREA (SQ. FT) : ALL ZONES (POSITIVE) = ZONE 1' (NEGATIVE) = ZONE 1' (OVERHANG) = ZONE 1 (NEGATIVE) = ZONE 1 (OVERHANG) = ZONE 2 (NEGATIVE) = ZONE 2 (OVERHANG) = ZONE 3 (NEGATIVE) = ZONE 3 (OVERHANG) =	20.00	EFFECTIVE WIND AREA (SQ. FT) :	300.00	EFFECTIVE WIND AREA (SQ. FT) :	50.00
	NA	ALL ZONES (POSITIVE) =	NA	ALL ZONES (POSITIVE) =	23.2
	NA	ZONE 1' (NEGATIVE) =	NA	ZONE 4 (NEGATIVE) =	-24.8
	NA	ZONE 1' (OVERHANG) =	NA	ZONE 5 (NEGATIVE) =	-27.6
	-36.4	ZONE 1 (NEGATIVE) =	-17.1		
	-51.8	ZONE 1 (OVERHANG) =	-29	EFFECTIVE WIND AREA (SQ. FT) :	100.00
	-46.3	ZONE 2 (NEGATIVE) =	-25.2	ALL ZONES (POSITIVE) =	22.3
	-61.7	ZONE 2 (OVERHANG) =	-37.1	ZONE 4 (NEGATIVE) =	-23.9
	-58.5	ZONE 3 (NEGATIVE) =	-38.1	ZONE 5 (NEGATIVE) =	-25.9
	-73.8	ZONE 3 (OVERHANG) =	-50.1		
EFFECTIVE WIND AREA (SQ. FT) : ALL ZONES (POSITIVE) = ZONE 1' (NEGATIVE) = ZONE 1' (OVERHANG) = ZONE 1 (NEGATIVE) = ZONE 1 (OVERHANG) = ZONE 2 (NEGATIVE) = ZONE 2 (OVERHANG) = ZONE 3 (NEGATIVE) = ZONE 3 (OVERHANG) =	50.00	EFFECTIVE WIND AREA (SQ. FT) :	500.00	EFFECTIVE WIND AREA (SQ. FT) :	200.00
	NA	ALL ZONES (POSITIVE) =	NA	ALL ZONES (POSITIVE) =	21.5
	NA	ZONE 1' (NEGATIVE) =	NA	ZONE 4 (NEGATIVE) =	-23.1
	NA	ZONE 1' (OVERHANG) =	NA	ZONE 5 (NEGATIVE) =	-24.2
	-29.9	ZONE 1 (NEGATIVE) =	-17.1		
	-44.1	ZONE 1 (OVERHANG) =	-28.4	EFFECTIVE WIND AREA (SQ. FT) :	300.00
	-37.9	ZONE 2 (NEGATIVE) =	-25.2	ALL ZONES (POSITIVE) =	20.9
	-52.1	ZONE 2 (OVERHANG) =	-36.5	ZONE 4 (NEGATIVE) =	-22.5
	-46.9	ZONE 3 (NEGATIVE) =	-38.1	ZONE 5 (NEGATIVE) =	-23.2
	-61.1	ZONE 3 (OVERHANG) =	-49.5		
EFFECTIVE WIND AREA (SQ. FT) : ALL ZONES (POSITIVE) = ZONE 1' (NEGATIVE) = ZONE 1' (OVERHANG) = ZONE 1 (NEGATIVE) = ZONE 1 (OVERHANG) = ZONE 2 (NEGATIVE) = ZONE 2 (OVERHANG) = ZONE 3 (NEGATIVE) = ZONE 3 (OVERHANG) =	100.00	EFFECTIVE WIND AREA (SQ. FT) :	1000.00	EFFECTIVE WIND AREA (SQ. FT) :	500.00
	NA	ALL ZONES (POSITIVE) =	NA	ALL ZONES (POSITIVE) =	20.3
	NA	ZONE 1' (NEGATIVE) =	NA	ZONE 4 (NEGATIVE) =	-21.9
	NA	ZONE 1' (OVERHANG) =	NA	ZONE 5 (NEGATIVE) =	-21.9
	-24.9	ZONE 1 (NEGATIVE) =	-17.1		
	-38.3	ZONE 1 (OVERHANG) =	-28.4	EFFECTIVE WIND AREA (SQ. FT) :	1000.00
	-31.5	ZONE 2 (NEGATIVE) =	-25.2	ALL ZONES (POSITIVE) =	20.3
	-44.9	ZONE 2 (OVERHANG) =	-36.5	ZONE 4 (NEGATIVE) =	-21.9
	-38.1	ZONE 3 (NEGATIVE) =	-38.1	ZONE 5 (NEGATIVE) =	-21.9
	-51.5	ZONE 3 (OVERHANG) =	-49.5		



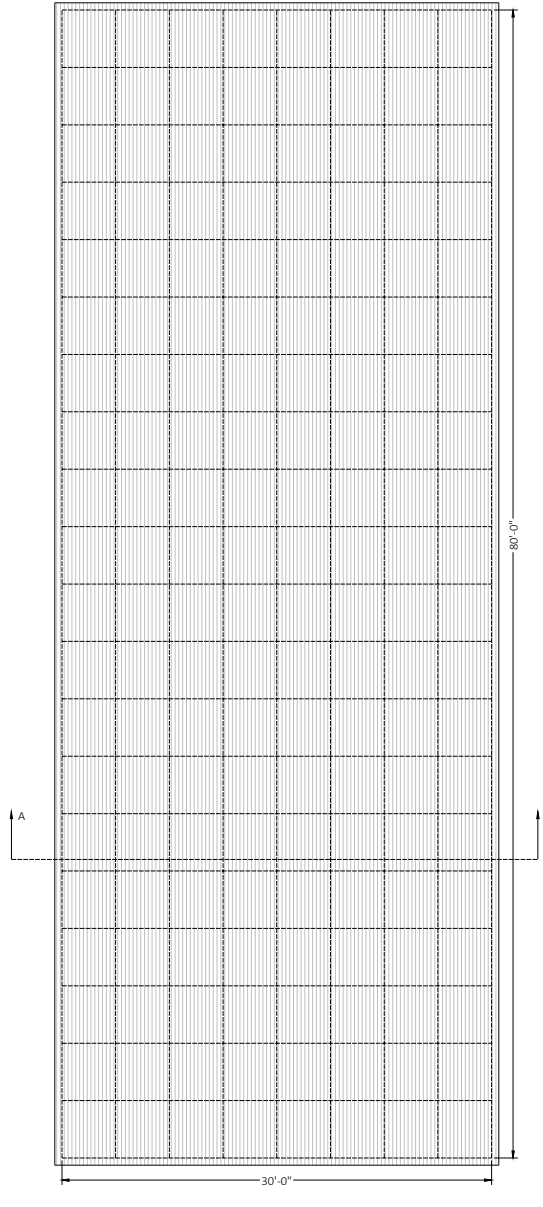
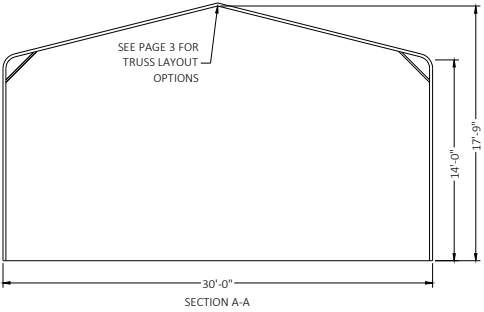
A-FRAME STYLE BUILDING



RIGHT WALL ELEVATION



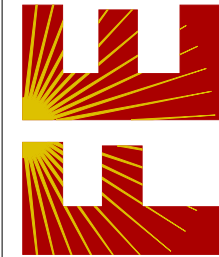
REGULAR STYLE BUILDING



RIGHT WALL ELEVATION

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.

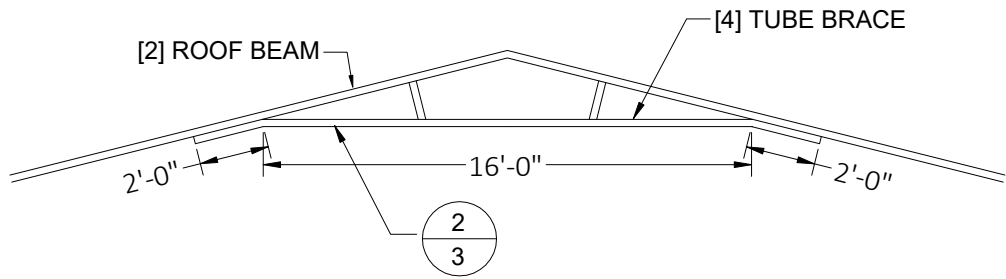
CONTRACTOR: MARTINEZ CARPORTS LLC		PROJECT DESCRIPTION: GENIS 109 SW GAZELLE GLN, FORT WHITE, FLORIDA, 32038
DESIGN DATE: 09/04/2025		
REVISION 1: DATE		
REVISION 2: DATE	PAGE : 2	
DRAWN BY: JS		
SCALE: NTS		



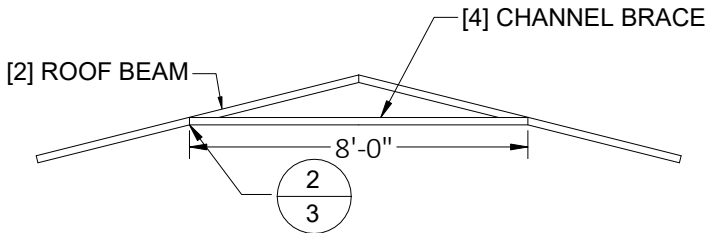
FLORIDA ENGINEERING LLC
4161 TAMiami TRAIL, UNIT 101
PORT CHARLOTTE, FLORIDA 33952
(941) 391-5980
FLEng.com
Orders@FLEng.com

CA CERT. #30782

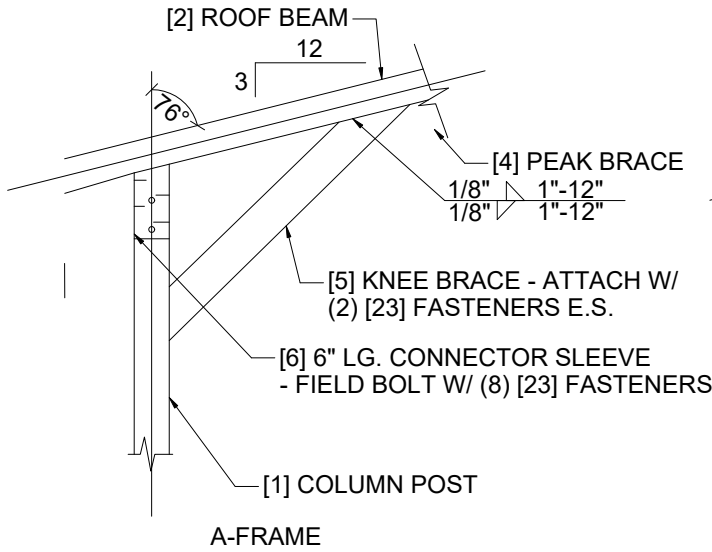
PROJECT NO. 2524621



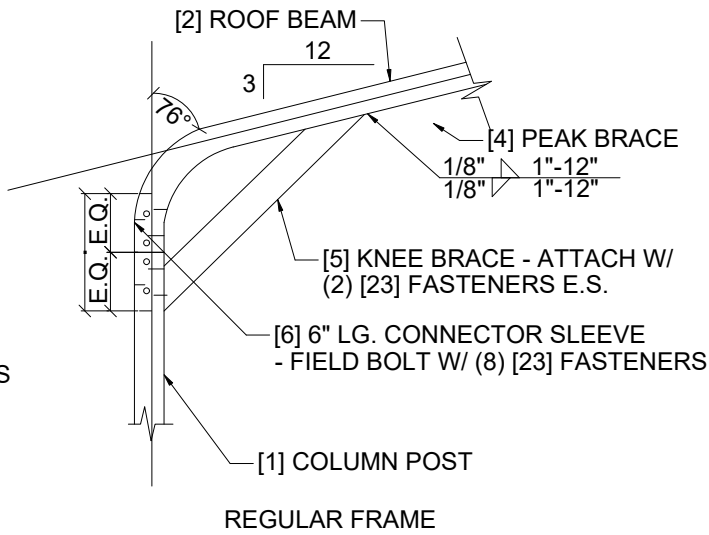
TUBE BRACE
TRUSS DETAIL
SCALE: N.T.S.



CHANNEL BRACE
TRUSS DETAIL
SCALE: N.T.S.

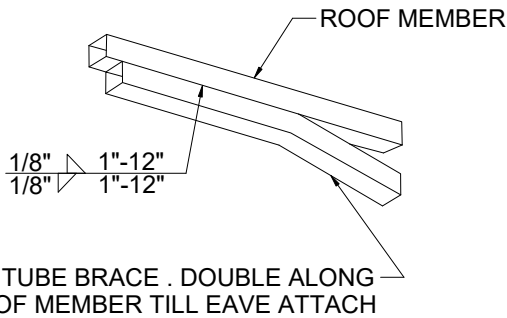
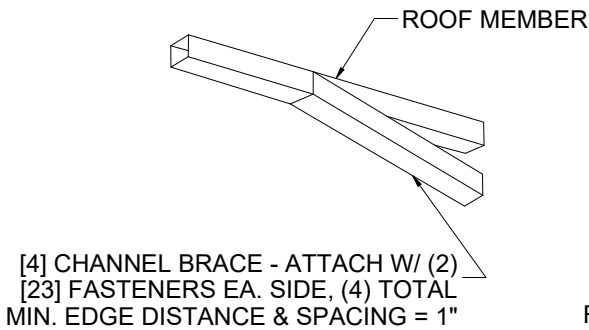


A-FRAME

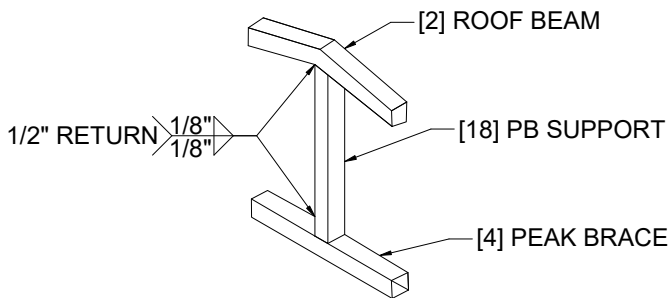


REGULAR FRAME

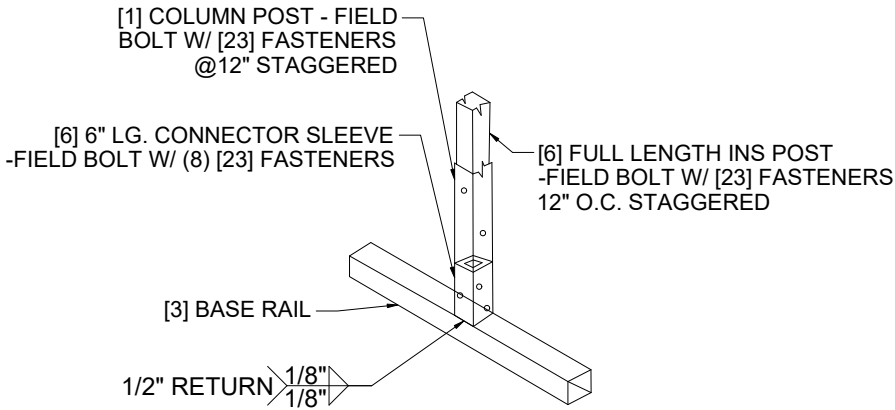
1. EAVE DETAIL OPTIONS



2. PEAK BRACE CONNECTION DETAILS



4. PB SUPPORT DETAIL



3. BASE DETAIL

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

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



PROJECT NO. 2524621

CA CERT. #30782

CONTRACTOR:
MARTINEZ CARPORTS LLC

PROJECT DESCRIPTION:

GENIS
109 SW GAZELLE GLN,
FORT WHITE, FLORIDA, 32038

DESIGN DATE: 09/04/2025

REVISION 1: DATE

REVISION 2: DATE

DRAWN BY: JS

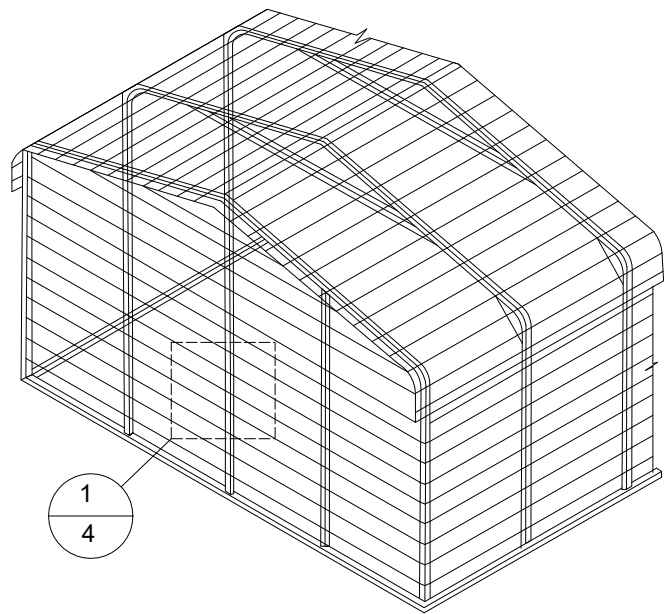
SCALE: NTS

PAGE :

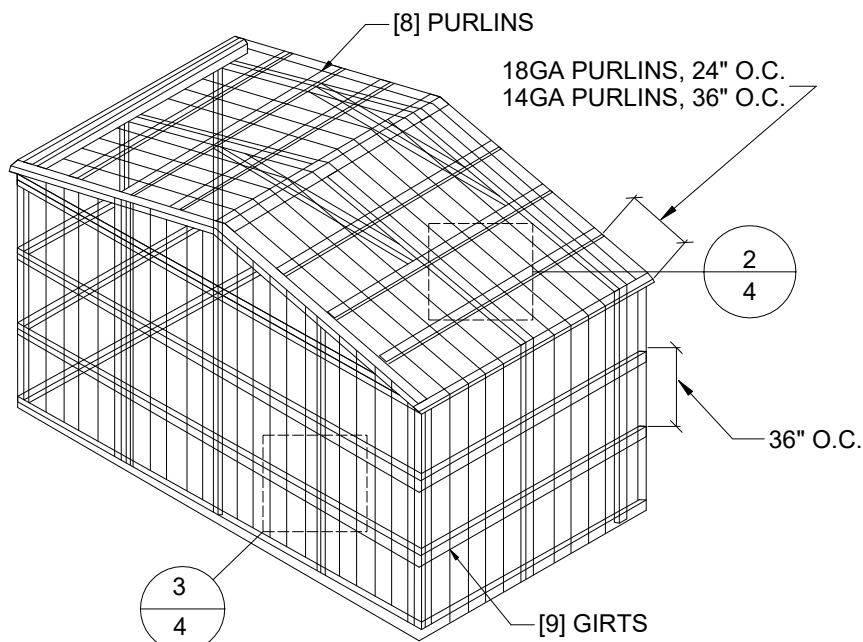
3

() BRACKETS DENOTE QUANTITY

[] BRACKETS DENOTE MEMBER, SEE LEGEND ON PG. 1



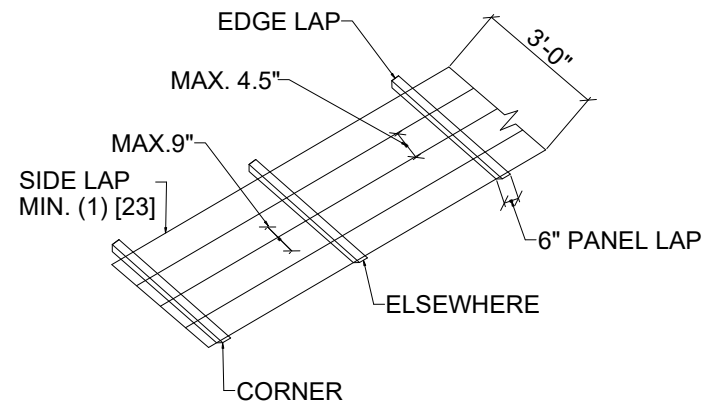
TYP. HORIZONTAL SHEATHING



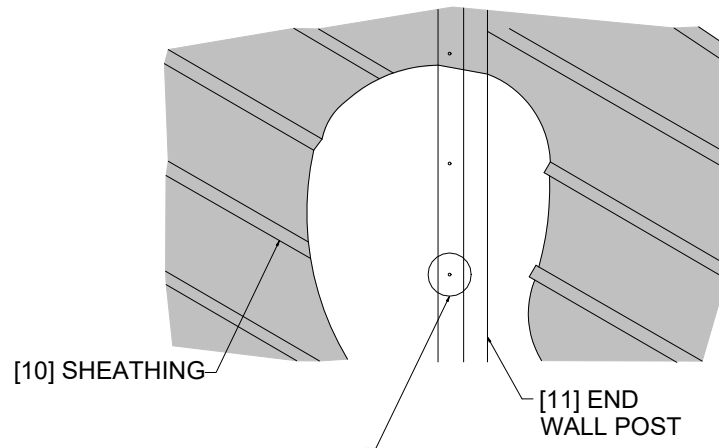
TYP. VERTICAL SHEATHING

- GENERAL SHEATHING NOTES:
1. REGULAR STYLE BUILDING CAN ONLY HAVE HORIZONTAL SHEATHING ON ROOF AND WALLS.
 2. A FRAME STYLE BUILDING CAN HAVE ANY COMBINATION OF HORIZONTAL OR VERTICAL SHEATHING ON ROOF AND WALLS.
 3. BOTH HORIZONTAL AND VERTICAL ROOF SHEATHING CAN HAVE MAX. 6" OVERHANG.
 4. USING VERTICAL SHEATHING MAY ALLOW FOR GREATER FRAME SPACING.
 5. VERTICAL SHEATHING RECOMMENDED FOR 40'-0" WIDE BUILDING.

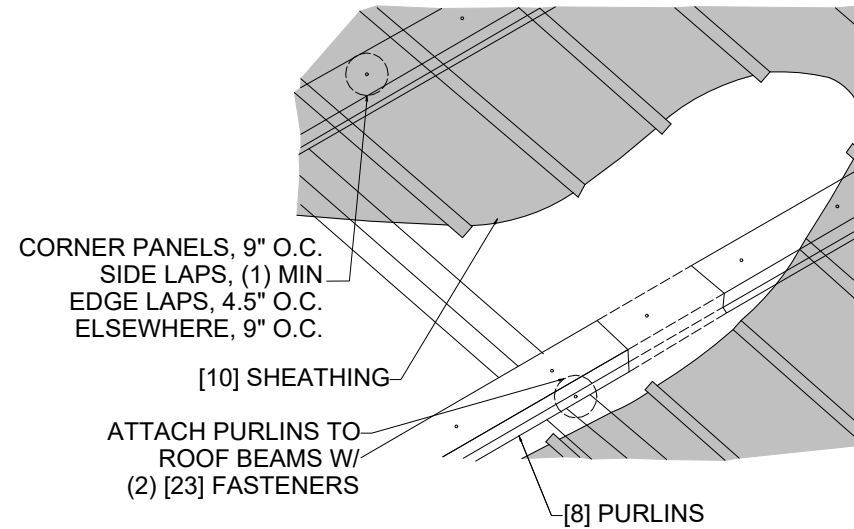
This item has been digitally signed and sealed by Richard E. Walker, P.E. on the date adjacent to the seal. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.



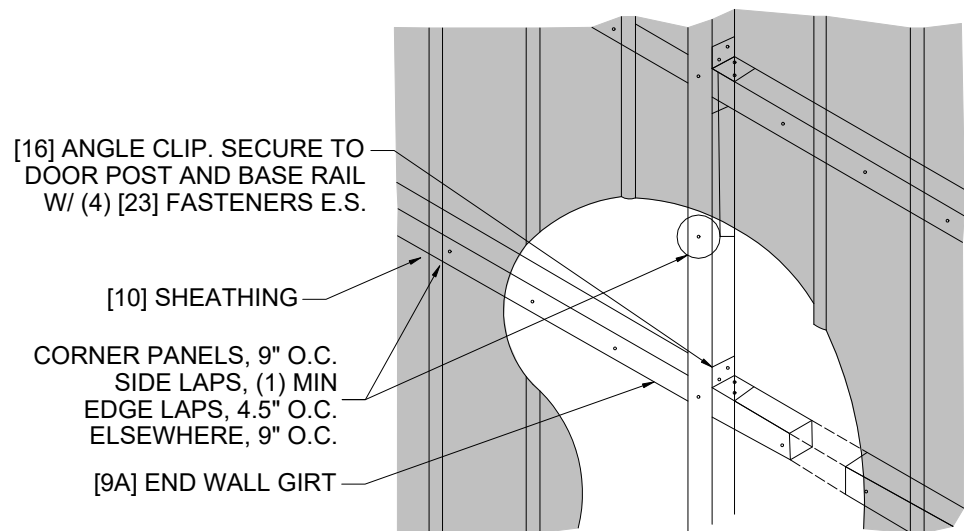
TYP. SHEATHING FASTENER SCHEDULE



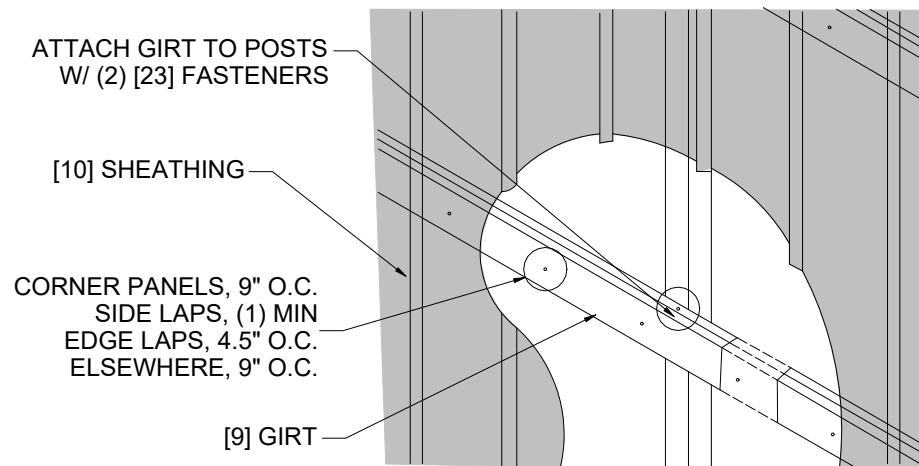
1. TYP. HORIZONTAL SHEATHING DETAILS



2. ROOF VERTICAL SHEATHING DETAILS



3. WALL VERTICAL SHEATHING- TUBE DETAILS

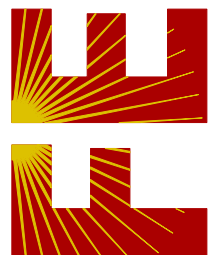


3. WALL VERTICAL SHEATHING- HAT CHANNEL DETAILS

() BRACKETS DENOTE QUANTITY

[] BRACKETS DENOTE MEMBER, SEE LEGEND ON PG. 1

FLORIDA ENGINEERING LLC
4161 TAMiami TRAIL, UNIT 101
PORT CHARLOTTE, FLORIDA 33952
(941) 391-5980
FLEng.com
Orders@FLEng.com



PROJECT NO. 2524621

CA CERT. #30782

CONTRACTOR:
MARTINEZ CARPORTS LLC

PROJECT DESCRIPTION:
GENIS
109 SW GAZELLE GLN,
FORT WHITE, FLORIDA, 32038

DESIGN DATE: 09/04/2025

REVISION 1: DATE

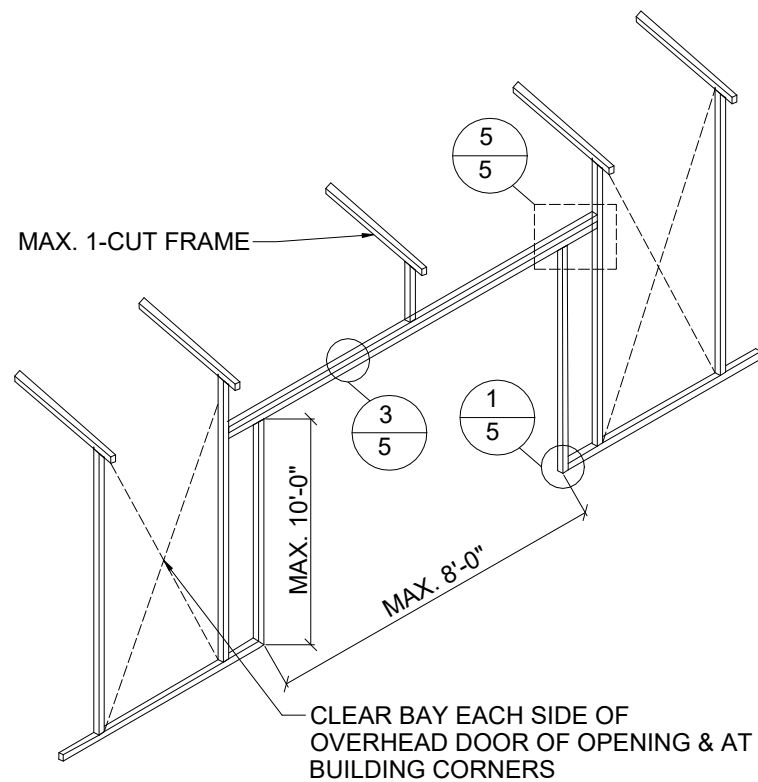
REVISION 2: DATE

DRAWN BY: JS

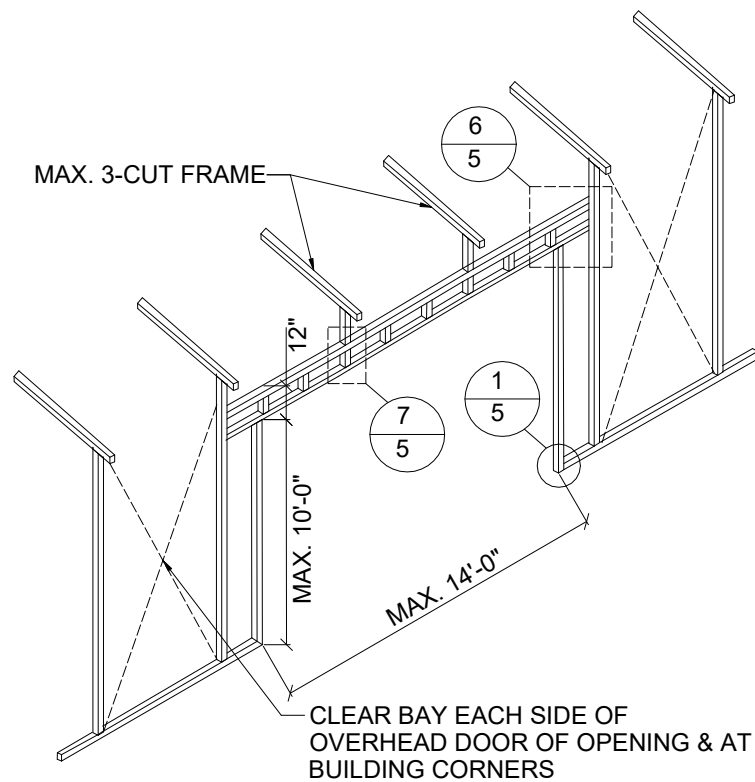
SCALE: NTS

PAGE :

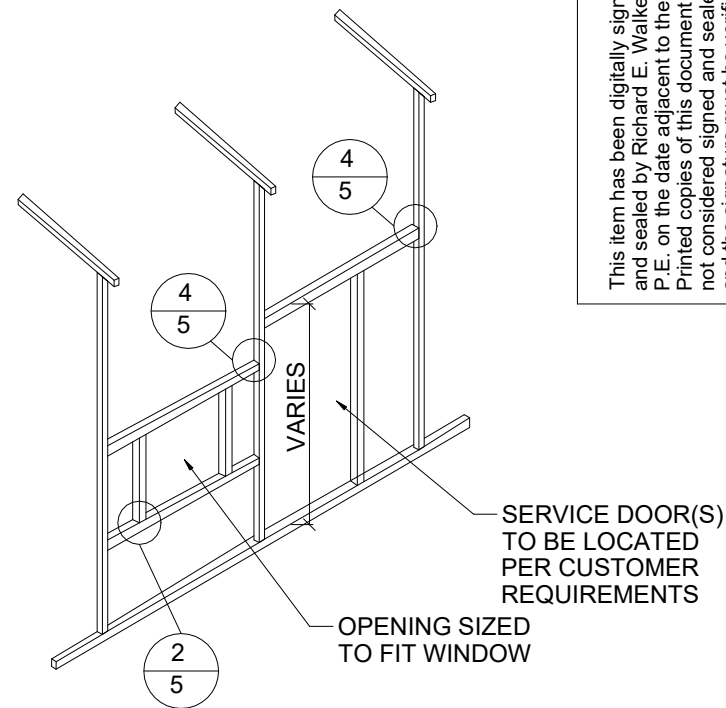
4



SIDE WALL OVERHEAD DOOR OPENINGS

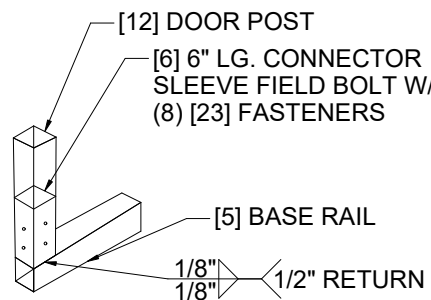


SIDE WALL OVERHEAD DOOR OPENINGS WITH TRUSS STYLE HEADER

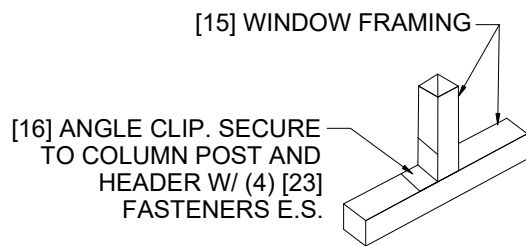


SIDE WALL SERVICE OVERHEAD DOOR/ WINDOW OPENINGS

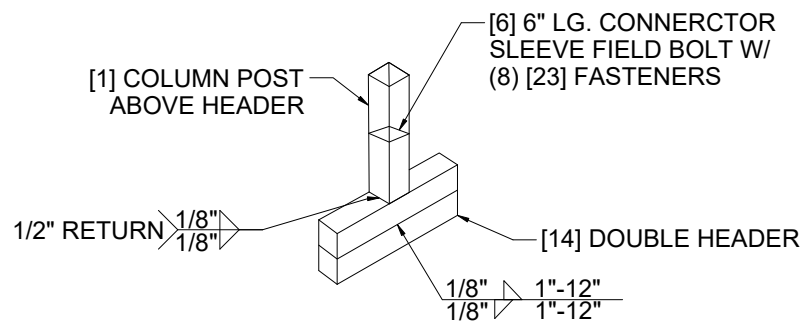
This item has been digitally signed and sealed by Richard E. Walker, P.E. on the date adjacent to the seal. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.



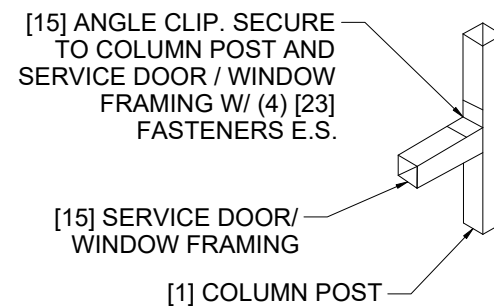
1. DOOR POST BOT. CONN. DETAILS



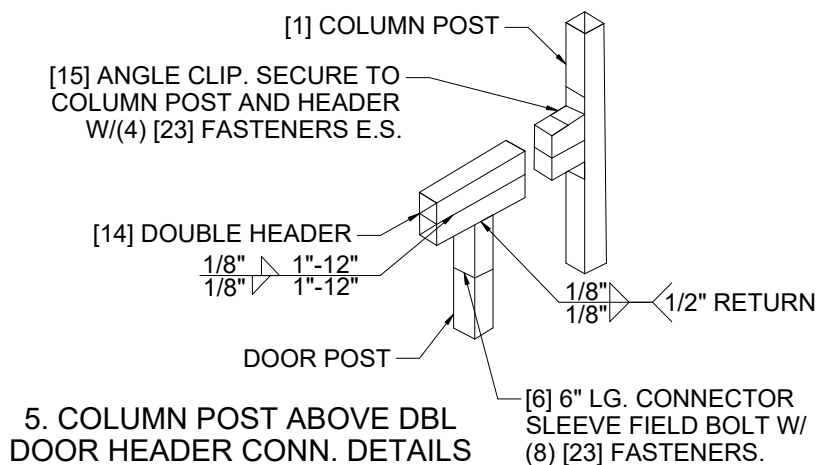
2. TYP. WINDOW FRAMING CONN. DETAILS



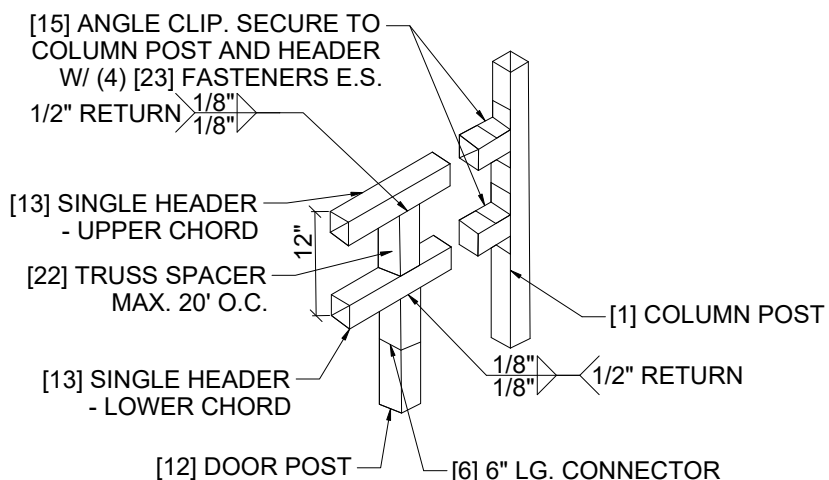
3. COLUMN POST ABOVE DBL. DOOR HEADER CONN. DETAIL



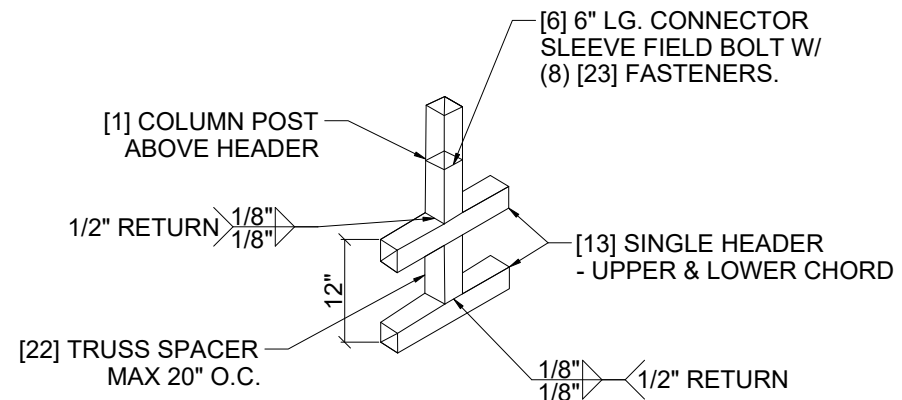
4. TYP. SERVICES DOOR/ WINDOW FRAMING CONN. DETAILS



5. COLUMN POST ABOVE DBL DOOR HEADER CONN. DETAILS



6. COLUMN POST ABOVE TRUSS DOOR HEADER CONN. DETAILS



7. COLUMN POST ABOVE TRUSS DOOR HEADER CONN. DETAILS

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

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. 2524621

CONTRACTOR:
MARTINEZ CARPORTS LLC

PROJECT DESCRIPTION:

GENIS
109 SW GAZELLE GLN,
FORT WHITE, FLORIDA, 32038

DESIGN DATE: 09/04/2025

REVISION 1: DATE

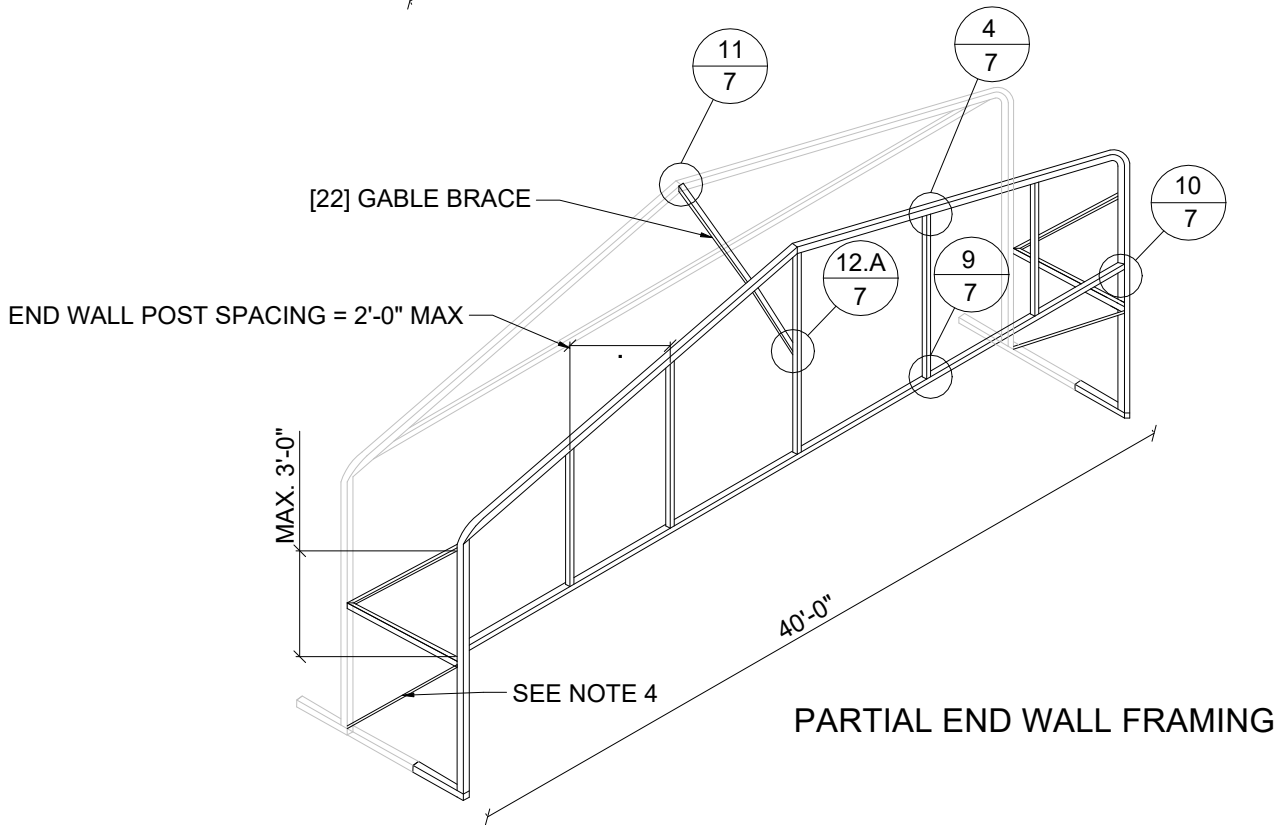
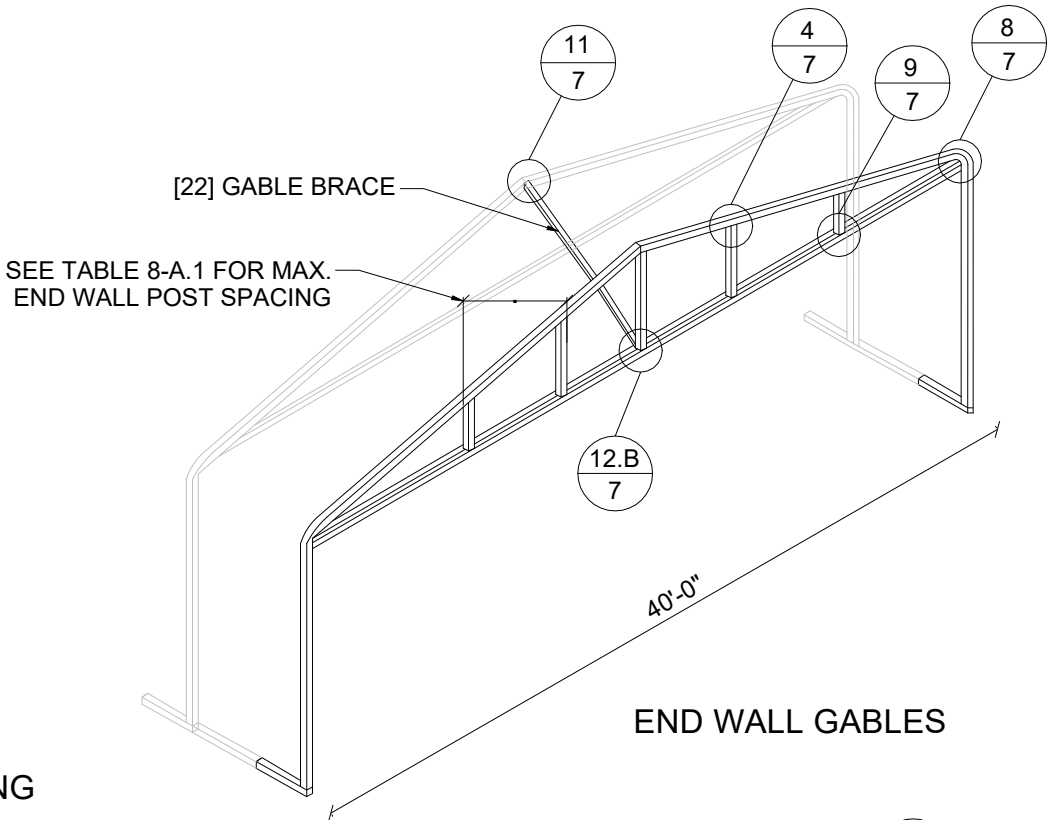
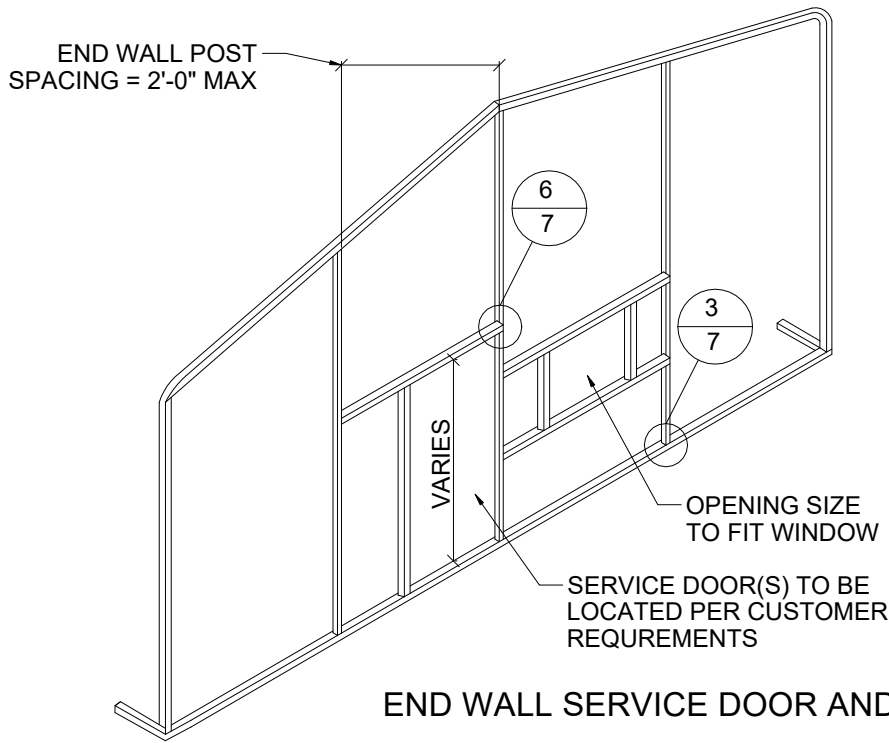
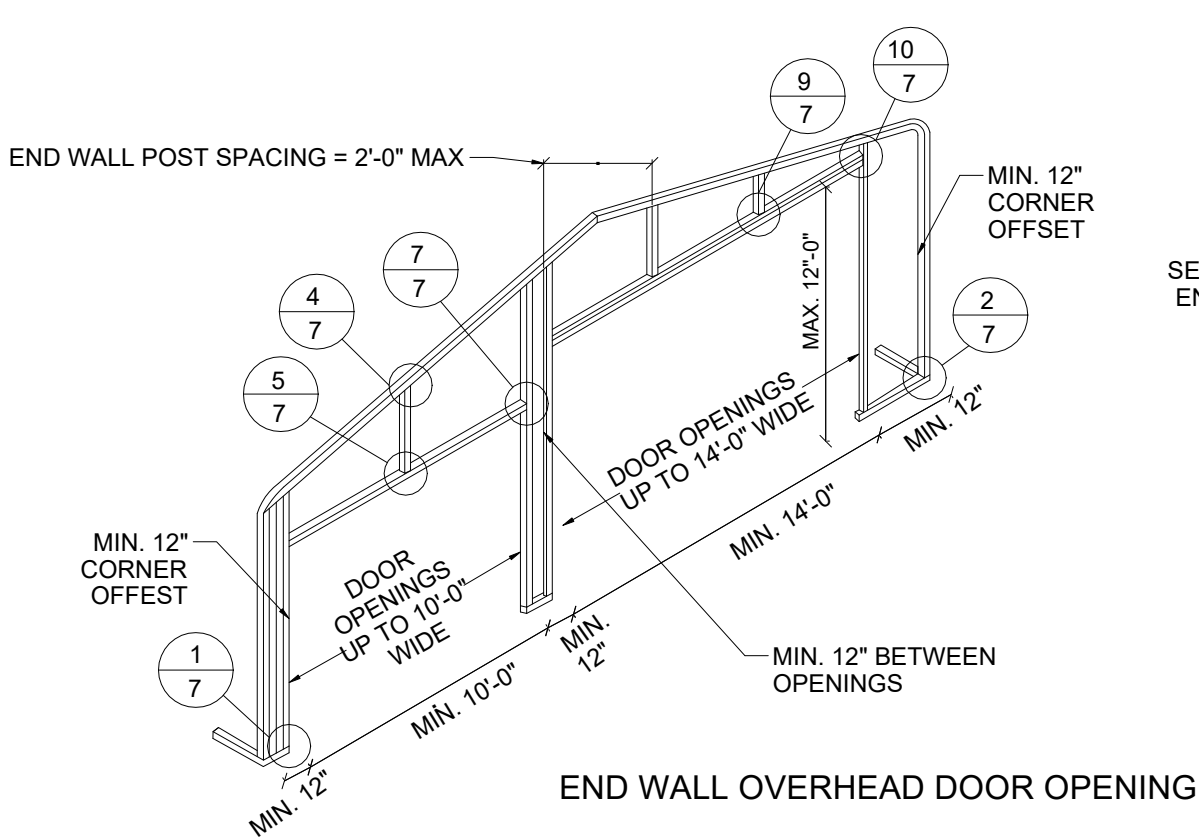
REVISION 2: DATE

DRAWN BY: JS

SCALE: NTS

PAGE :

5



END WALL FRAMING NOTES:

1. DESIGNS AND DETAILS SHOWN HERE ARE APPLICABLE TO BOTH REGULAR AND A- FRAME STYLE BUILDING.
2. MIN. 12" CLEARANCE MUST BE MAINTAINED BETWEEN ANY TWO OPENING (OVERHEAD DOOR OR SERVICE DOOR) AND FROM CORNERS.
3. SERVICE DOOR AND WINDOW CAN BE PLACED AS NEEDED.

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.

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

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

CONTRACTOR: MARTINEZ CARPORTS LLC

PROJECT DESCRIPTION:
GENIS
109 SW GAZELLE GLN,
FORT WHITE, FLORIDA, 32038

DESIGN DATE: 09/04/2025

REVISION 1: DATE

REVISION 2: DATE

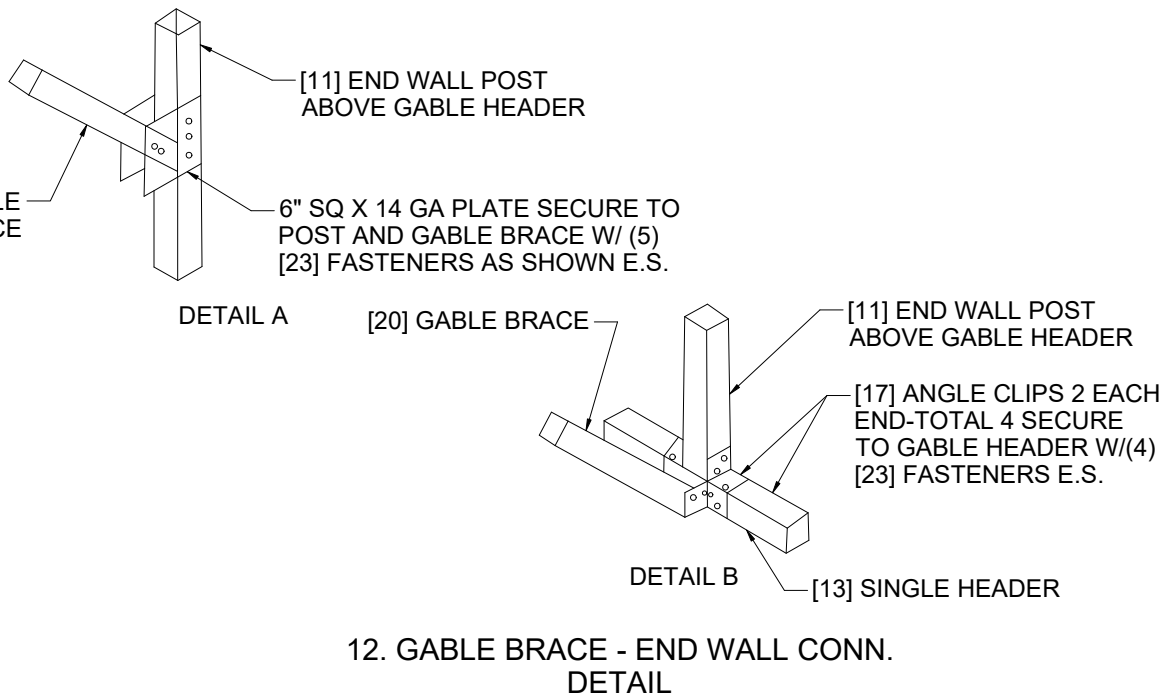
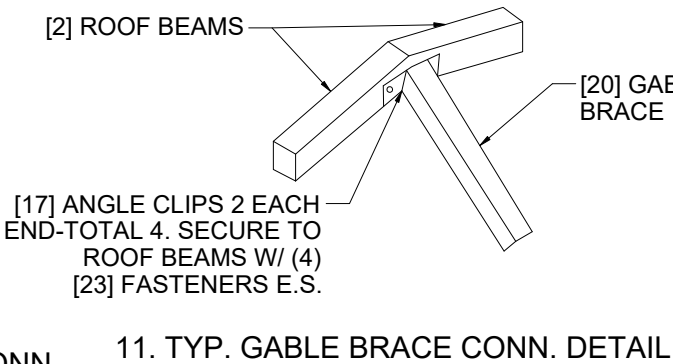
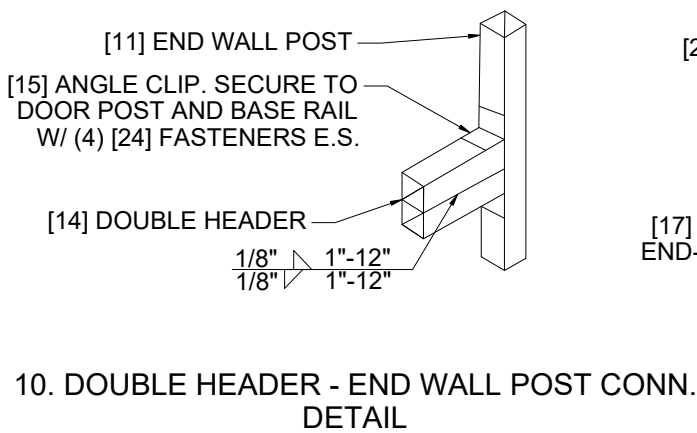
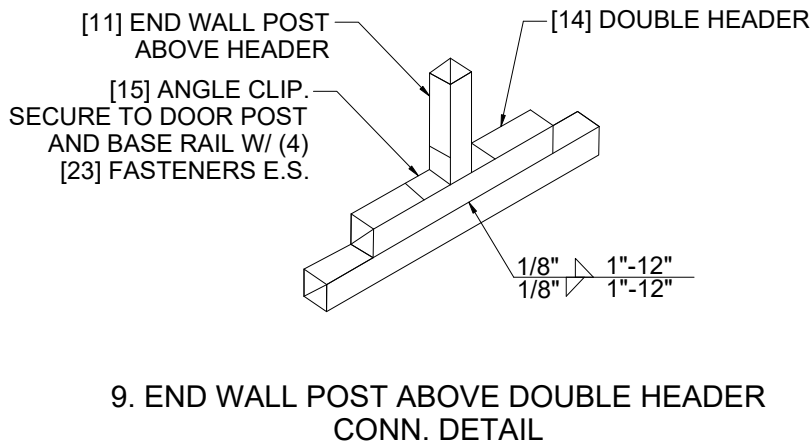
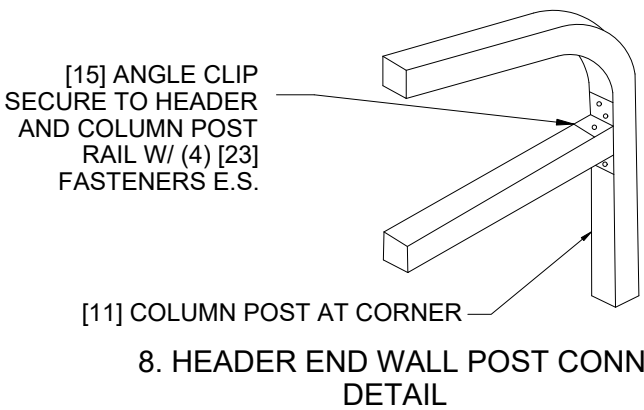
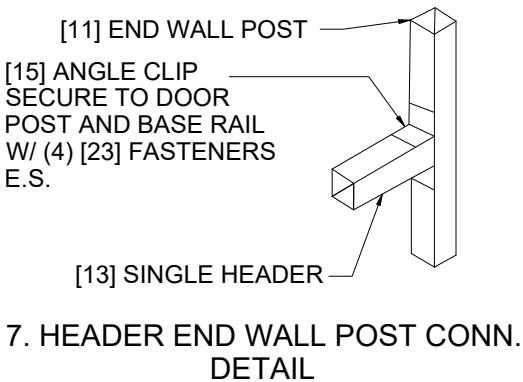
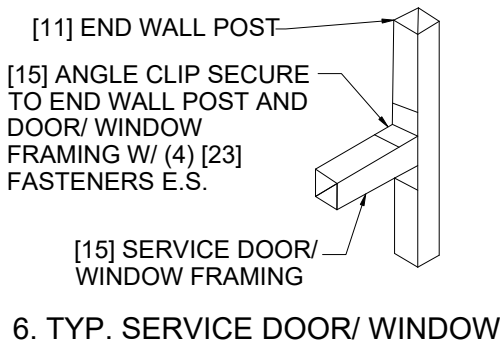
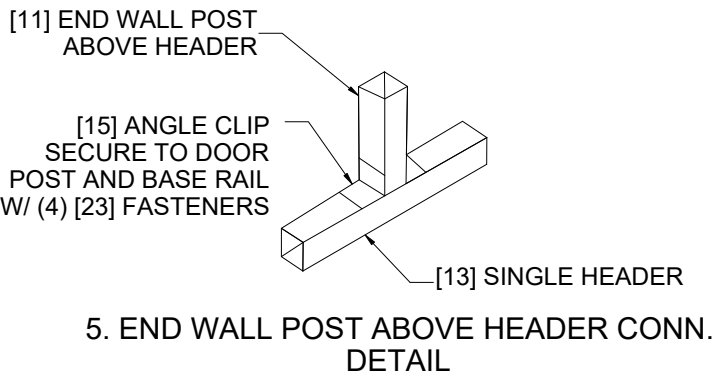
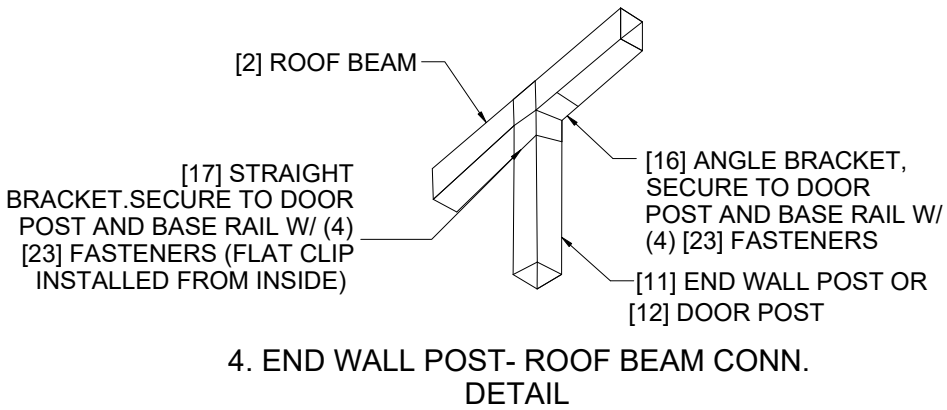
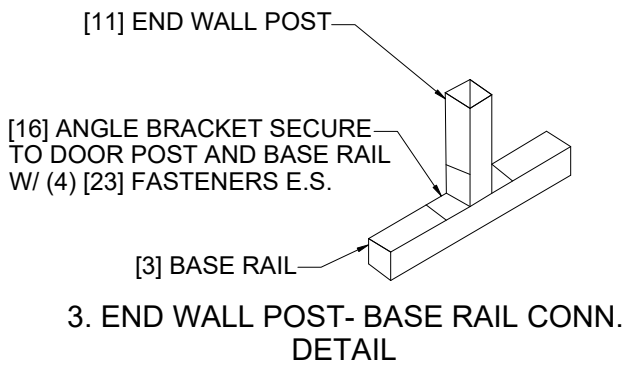
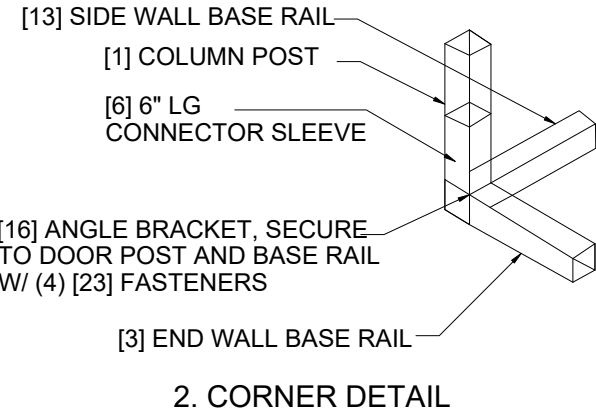
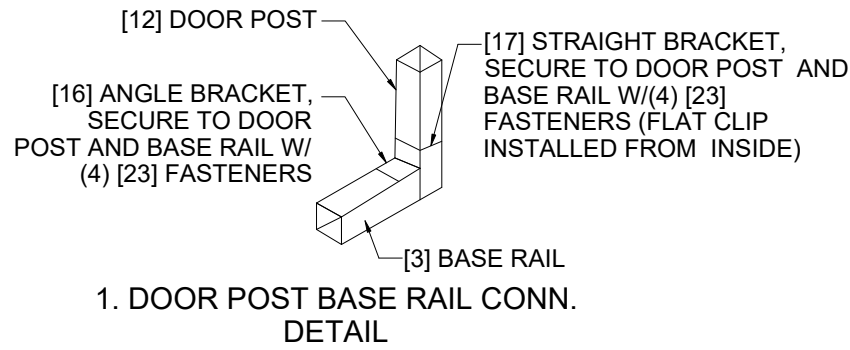
DRAWN BY: JS

SCALE: NTS

PAGE :

6

PROJECT NO. 2524621



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

MARTINEZ CARPORTS LLC

CONTRACTOR:

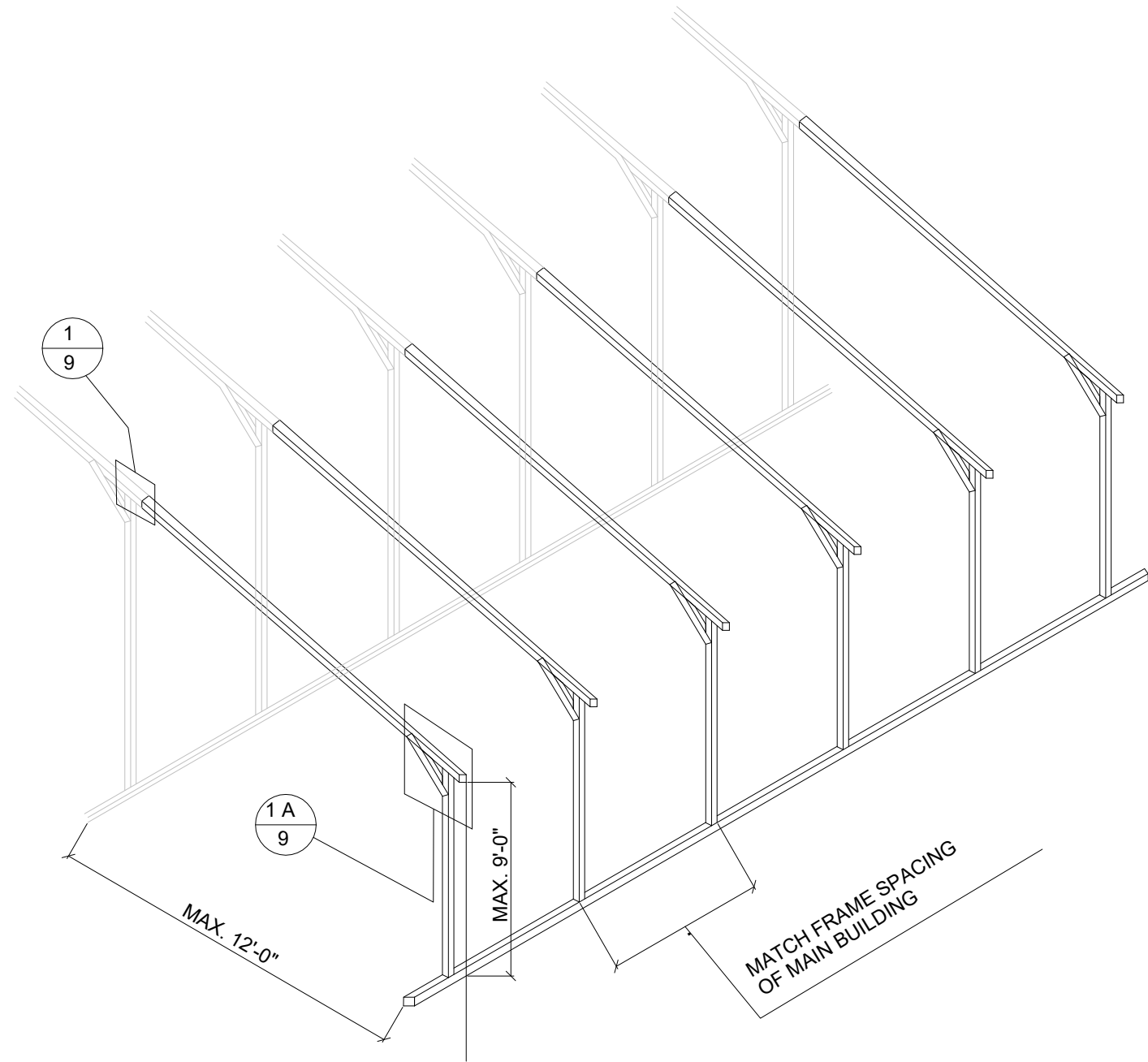
PROJECT DESCRIPTION:

GENIS
109 SW GAZELLE GLN,
FORT WHITE, FLORIDA, 32038

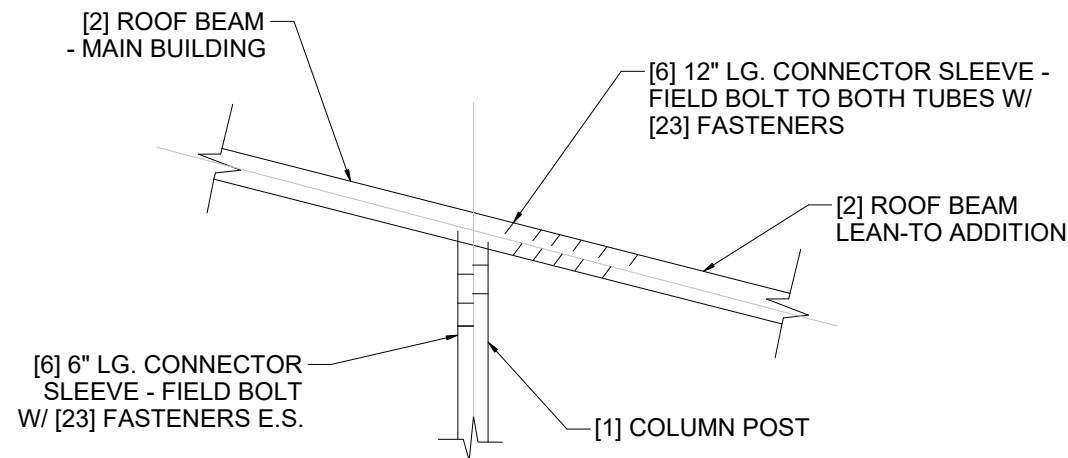
DESIGN DATE:	09/04/2025	PAGE : 7
REVISION 1:	DATE	
REVISION 2:	DATE	
DRAWN BY:	JS	
SCALE:	NTS	

() 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.



OPTIONAL LEAN-TO ADDITION



LEAN-TO ATTACHMENT DETAIL

LEAN-TO ADDITION NOTES:

1. LEAN-TO ADDITION CAN BE ADDED ON EITHER OR BOTH SIDES OF THE BUILDING.
2. ROOF SLOPE, PURLIN, GIRT AND FREAM 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 4'-0" MAX.

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



FLORIDA ENGINEERING LLC
4161 TAMIAMII TRAIL, UNIT 101
PORT CHARLOTTE, FLORIDA 33952
(941) 391-5980
FLEng.com
Orders@FLEng.com

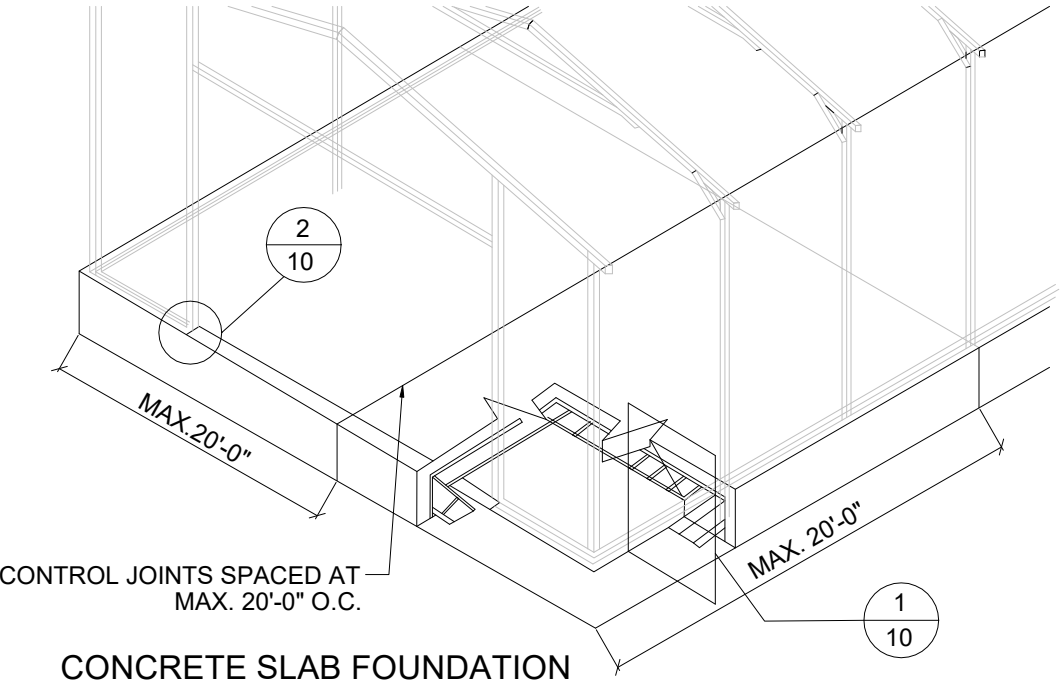
CA CERT. #30782

PROJECT NO. 2524621

CONTRACTOR: MARTINEZ CARPORTS LLC		PROJECT DESCRIPTION: GENIS 109 SW GAZELLE GLN, FORT WHITE, FLORIDA, 32038	
DESIGN DATE:		09/04/2025	
REVISION 1:		DATE	
REVISION 2:		DATE	PAGE : 8
DRAWN BY:		JS	
SCALE:		NTS	

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.

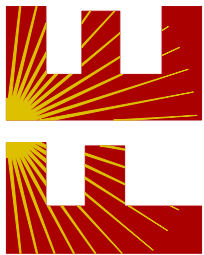


This item has been digitally signed and sealed by Richard E. Walker, P.E. on the date adjacent to the seal. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

FLORIDA ENGINEERING LLC
4161 TAMiami TRAIL, UNIT 101
PORT CHARLOTTE, FLORIDA 33952
(941) 391-5980
FLEng.com
Orders@FLEng.com

PROJECT NO. 2524621

CA CERT. #30782



CONTRACTOR:
MARTINEZ CARPORTS LLC

PROJECT DESCRIPTION:

GENIS
109 SW GAZELLE GLN,
FORT WHITE, FLORIDA, 32038

DESIGN DATE: 09/04/2025

REVISION 1: DATE

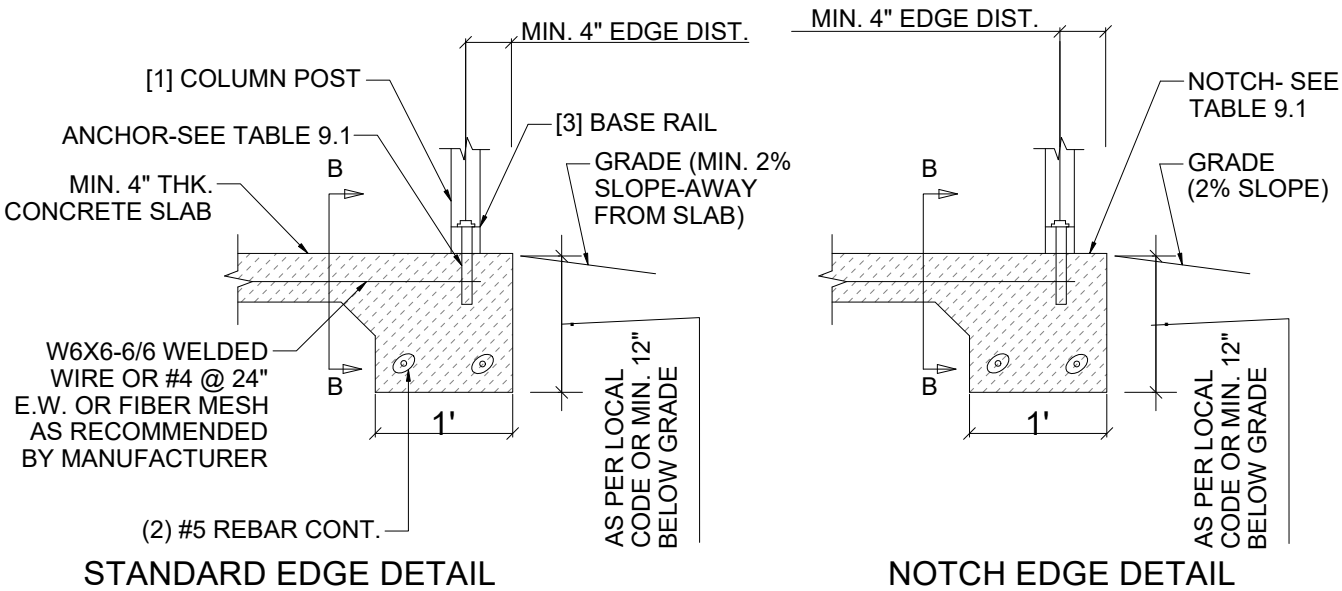
REVISION 2: DATE

DRAWN BY: JS

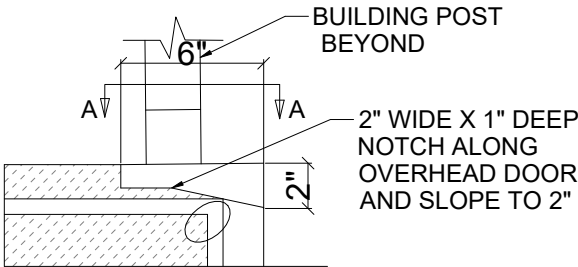
SCALE: NTS

PAGE :

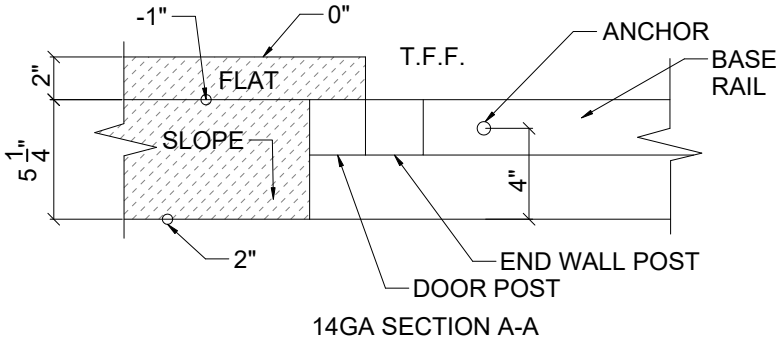
9



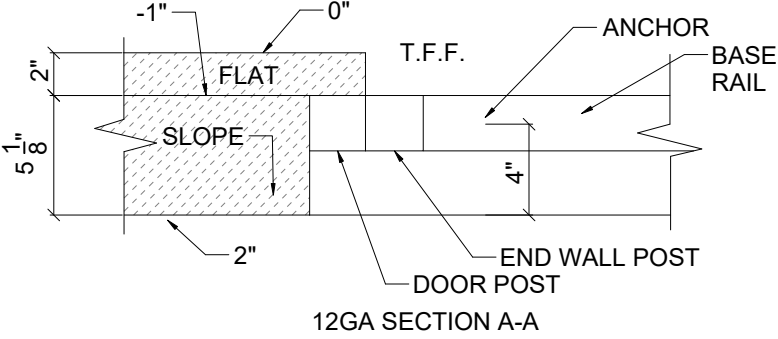
1. EDGE OFFSET DETAIL



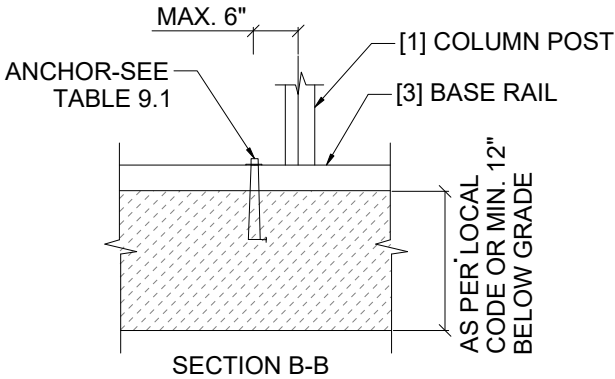
2. OVERHEAD DOOR NOTCH DETAIL



14GA SECTION A-A



12GA SECTION A-A



SECTION B-B

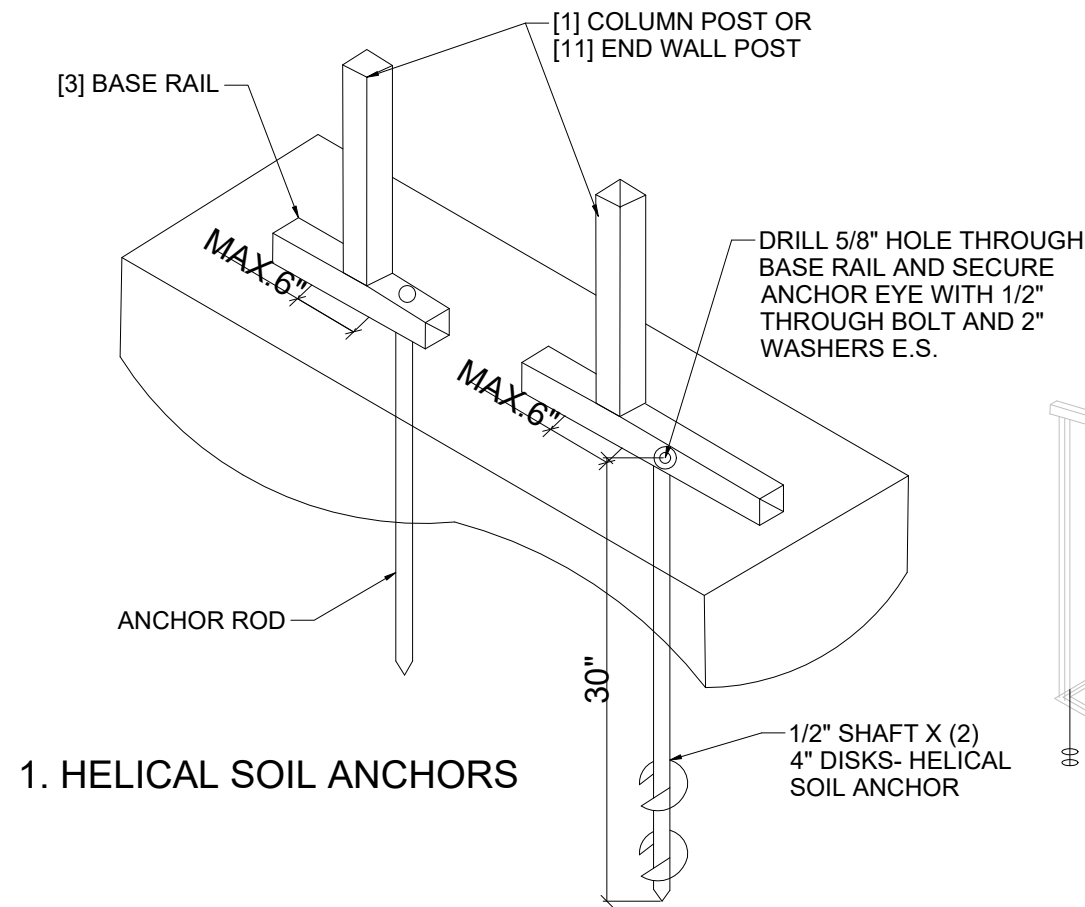
TABLE 9.1: NOTCH WIDTH

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

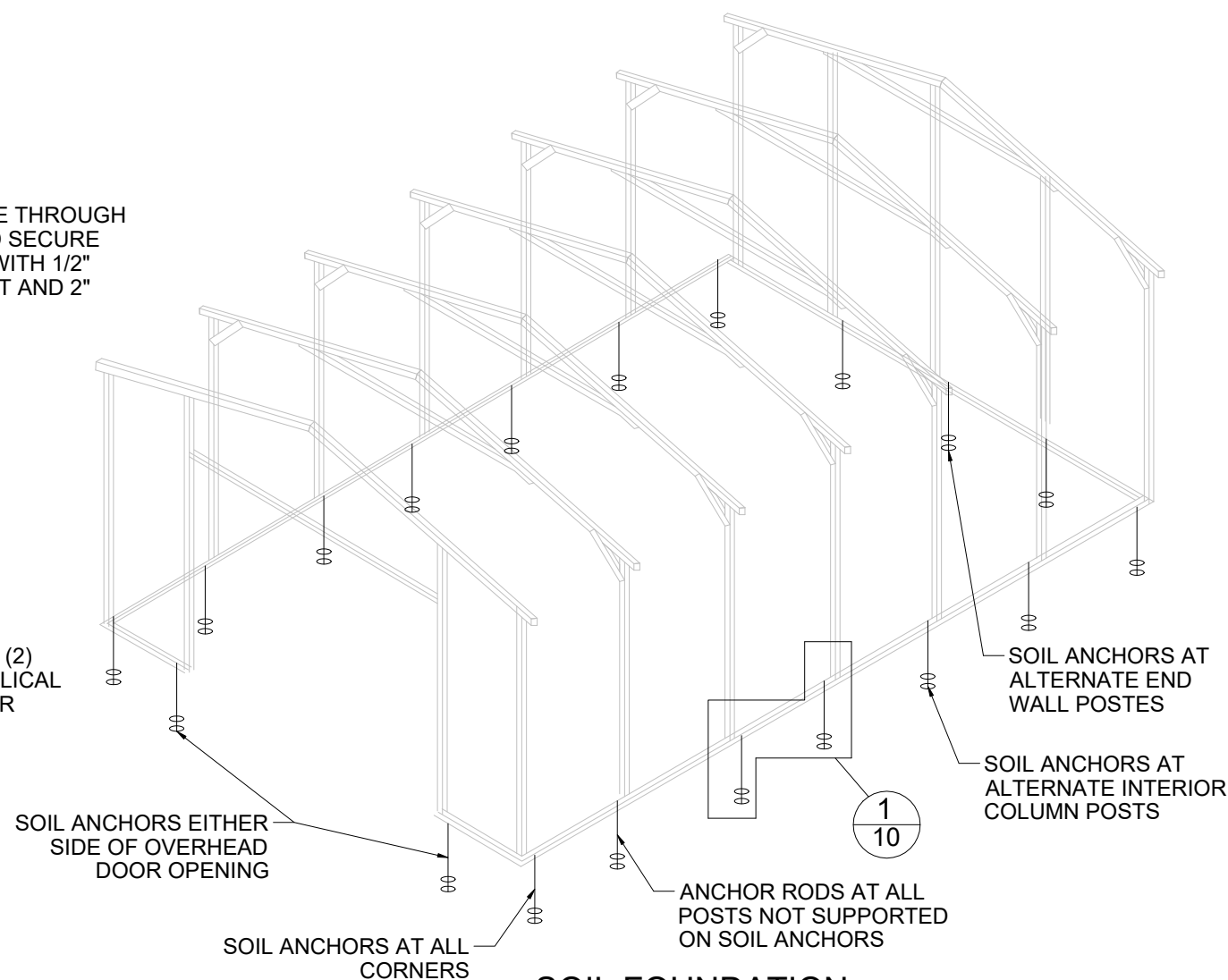
NOTE: DEPTH IS TO BE 1 1/2"

() BRACKETS DENOTE QUANTITY

[] BRACKETS DENOTE MEMBER, SEE LEGEND ON PG. 1



1. HELICAL SOIL ANCHORS



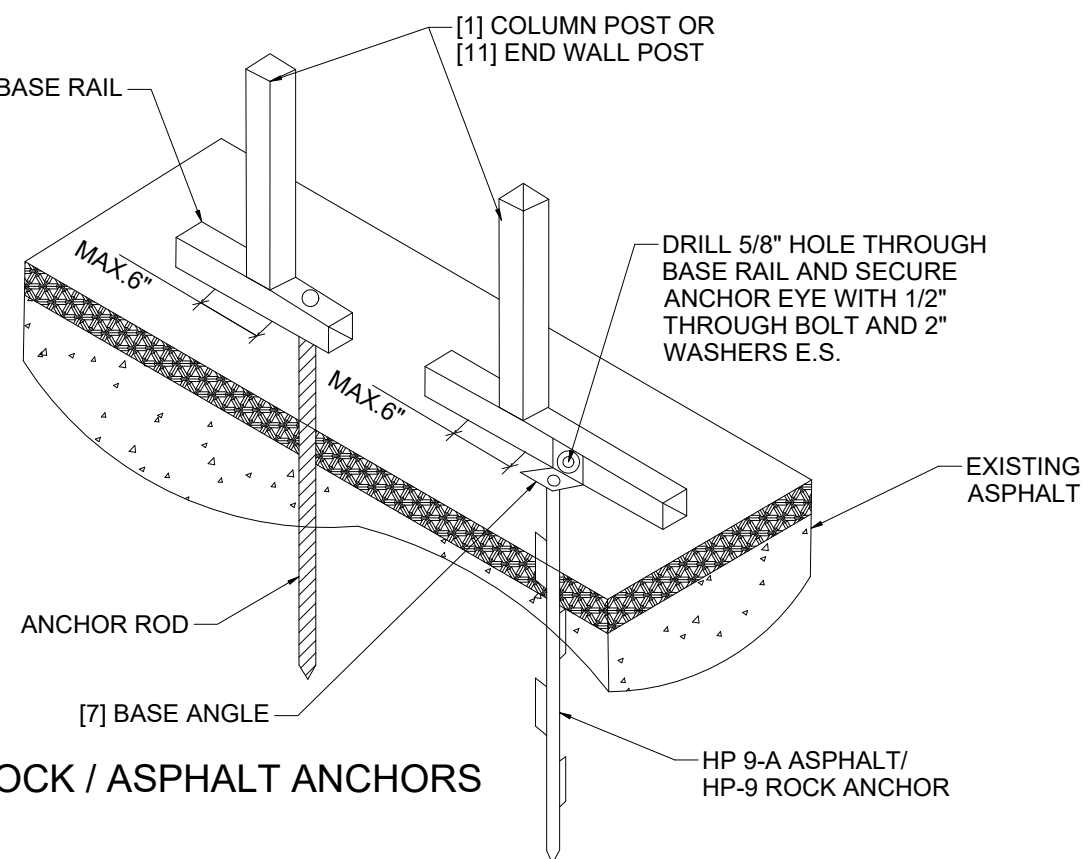
SOIL FOUNDATION

SOIL FOUNDATION NOTES:FOUNDATION NOTES:

1. DESIGNS SHOWN ON THIS SHEET ARE FOR SOIL ANCHOR FOUNDATION.
2. SOIL ANCHOR (HELICAL OR ROCK/ASPHALT) SHALL BE LOCATED AT ALL 4 CORNERS, ON EACH SIDE OF OVERHEAD DOOR OPENING. ON POSTS WITH DIAGONAL BRACING IF REQUIRED. AND ON ALTERNATE INTERIOR COLUMN POSTS AND END WALLS POSTS.
3. HELICAL ANCHOR ARE TO BE USE ONLY IF THE DRIVING TORQUE INTO THE GROUND IS 150 FT-LBS OR GREATER.MANUFACTURERIS NOT RESPONSIBLE FOR SOIL QUALITY AT SITE.
4. HELICAL ANCHOR CAN ONLY BE USED FOR CLASS 2, 3 & 4 SOILS (SEE SOIL CLASSIFICATION 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. ASSUME 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.
3	SAND, SILTY SAND,CLAYEY SAND, SILTY GRAVEL, MEDIUM DENSE COARSE SAND, SANDY GRAVEL, VERY STIFF SILT AND SANDY CLAYS.
4	LOOSE TO MEDIUM DENSE SAND,FIRM TO STIFF CLAYS AND SILTS AND ALLUVIAL FILLS.



2. ROCK / ASPHALT ANCHORS

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. 2524621

CONTRACTOR:
MARTINEZ CARPORTS LLC

PROJECT DESCRIPTION:
GENIS
109 SW GAZELLE GLN,
FORT WHITE, FLORIDA, 32038

DESIGN DATE: 09/04/2025

REVISION 1: DATE

REVISION 2: DATE

DRAWN BY: JS

SCALE: NTS

PAGE :

10

() BRACKETS DENOTE QUANTITY

[] BRACKETS DENOTE MEMBER, SEE LEGEND ON PG. 1