



September 8, 2026

Sent via Electronic Mail

Mr. Nate Senn
Siting Coordination Office
Florida Department of Environmental Protection
2600 Blair Stone Road, MS 5500
Tallahassee, FL 32399

Subject: Duke Energy Florida, LLC.
Citrus Combined Cycle Station
Conditions of Certification PA 77-09
Amendment Request for Addition of Two Metal Buildings and Associated Impervious Surface

Dear Mr. Senn,

Duke Energy Florida, LLC (DEF) owns and operates the Citrus Combined Cycle Station (CCCS) in Crystal River, Florida. DEF requests an amendment to the Conditions of Certification for the addition of two metal buildings and their associated concrete foundations.

The first project will replace an existing 70-foot by 70-foot temporary white tent with a new 70-foot by 100-foot pre-engineered metal storage building on a 70-foot by 100-foot concrete slab. This creates approximately 7,000 square feet of permanent impervious surface. The electrically served building will not include sinks, toilets, septic facilities, sanitary sewer connections, or water-system connections.

The second project will add a metal building described in the supporting scope as approximately 30 feet by 35 feet, with a 32-foot by 37-foot concrete slab. Existing Connex units will be relocated. The slab creates approximately 1,184 square feet of impervious surface. The building will not include sinks, toilets, septic facilities, sanitary sewer connections, or water-system connections.

Together, the two concrete slabs represent approximately 8,184 square feet (0.188 acre) of proposed impervious surface. The enclosed project description, site exhibits, photographs, and design drawings provide the available supporting information. DEF requests FDEP review and approval of this amendment to authorize the two buildings and associated impervious surface under PA 77-09.

If you have any questions regarding this submittal, please contact Bill Linton at (727) 820-5142, William.Linton@duke-energy.com, or Ilia Balcom at (813) 362-5123, Ilia.Balcom@duke-energy.com. Please copy both contacts on all correspondence related to this submittal.

Sincerely,



Al Honeggar
Superintendent, Maintenance

ATTACHMENT I

PROJECT DESCRIPTION AND IMPERVIOUS SURFACE SUMMARY

Facility Background

Duke Energy Florida, LLC owns and operates the Citrus Combined Cycle Station at 14385 North Access Road, Crystal River, Florida 34428, in Citrus County. The proposed work consists of replacing one temporary tent with a permanent metal building and adding a second metal building at the station.

Project 1 - 70-foot by 100-foot Metal Storage Building

- Remove the existing 70-foot by 70-foot white temporary tent at the proposed building location.
- Construct a new 70-foot by 100-foot pre-engineered metal storage building.
- Provide an 8-inch concrete slab with 6-by-6 wire reinforcement, together with the documented sidewall footings, endwall footings, column support pads, and earth anchors.
- Provide electrical service, receptacles, lighting, exit lights, occupancy sensors, wall packs, and man-door light fixtures.
- No sinks, toilets, septic system, sanitary sewer connection, or water-system connection are proposed.
- Impervious surface: approximately 7,000 square feet based on the 70-foot by 100-foot slab.

Project 2 - Smaller Metal Building

- Relocate the Connex units currently occupying the proposed building location.
- Construct a carport-style metal building described in the supporting scope as 30 feet by 35 feet. The submitted file name identifies the project as the 30-foot by 40-foot building.
- Construct a 32-foot by 37-foot concrete slab for the building.
- Provide a mini-split air-conditioning system, 2-inch foam-board insulation at walls and ceiling, plywood and painted interior walls, countertop, and cabinets.
- No sinks, toilets, septic system, sanitary sewer connection, or water-system connection are proposed.
- Impervious surface: approximately 1,184 square feet based on the 32-foot by 37-foot slab.

Impervious Surface Summary

Project	Building	Slab	Impervious Area
70 x 100 storage building	70 x 100 ft	70 x 100 ft	7,000 sq ft
Smaller metal building	30 x 35 ft*	32 x 37 ft	1,184 sq ft
Combined proposed impervious surface			8,184 sq ft 0.188 acre

*Dimensional note: the smaller-building scope states a 30-foot by 35-foot building and a 32-foot by 37-foot slab, while the source file is titled "30x40 metal building at Citrus." The impervious-area calculation uses the stated slab dimensions because the slab defines the proposed impervious surface.

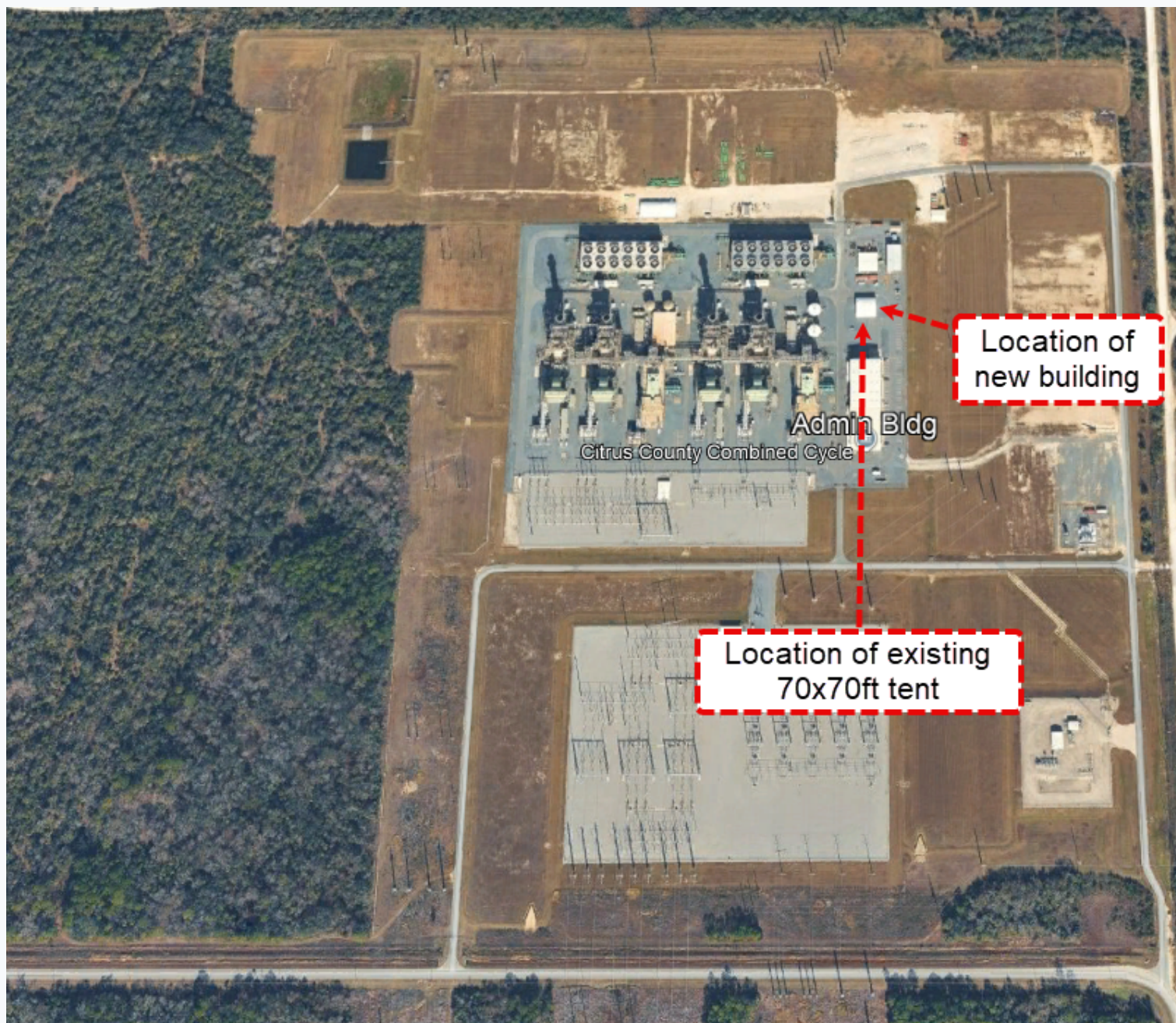
Drafting Note

This draft is prepared from the supplied project scopes and the prior FDEP amendment-request example. It should be reviewed by the responsible environmental permitting and engineering personnel before signature and submittal. Any final stormwater conclusion or supporting calculation should be provided or confirmed by the project engineer.

ATTACHMENT II

SITE LOCATION AND PHOTO EXHIBITS

Submitted exhibits for the two proposed metal-building projects



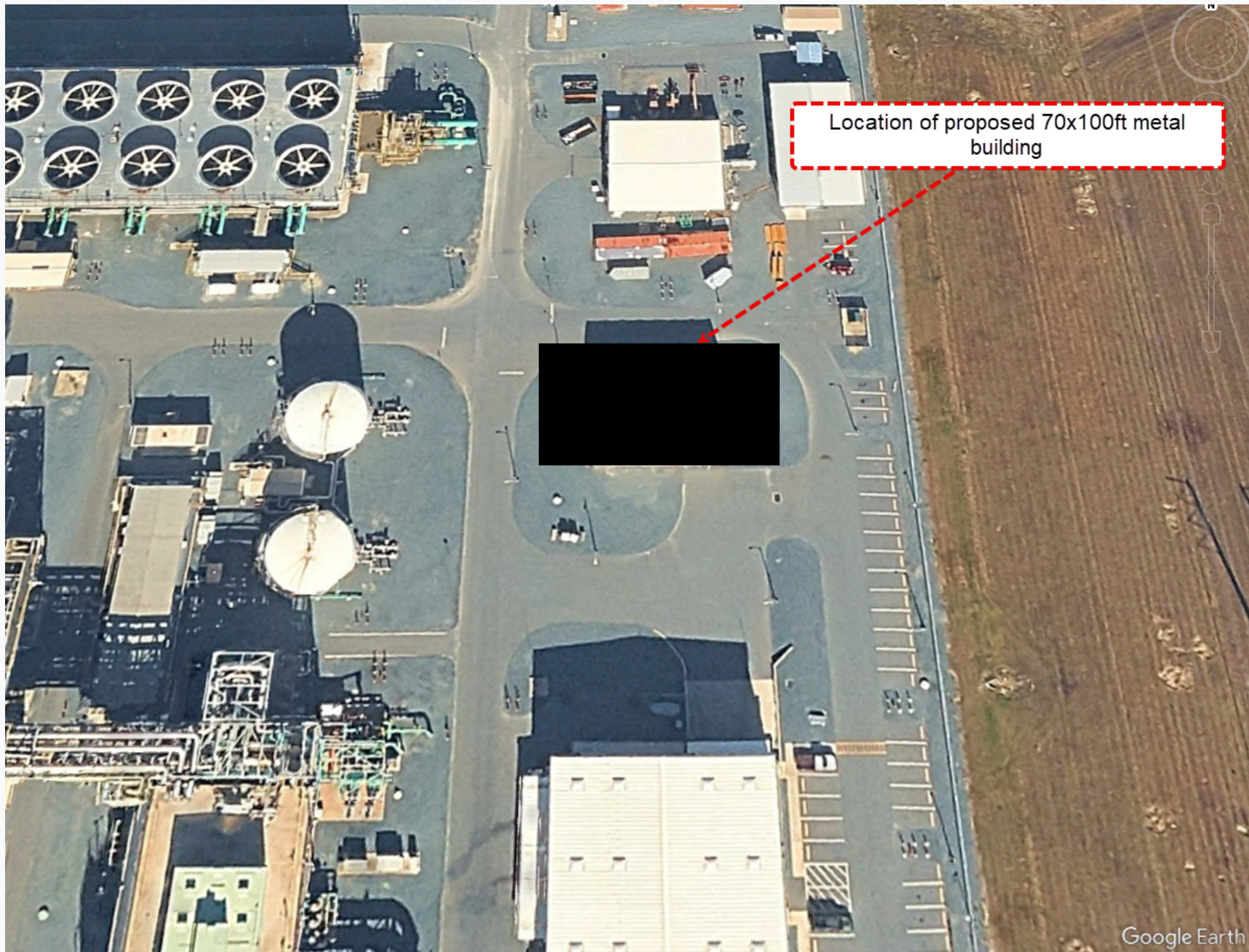
Submitted location exhibit showing the proposed project area.



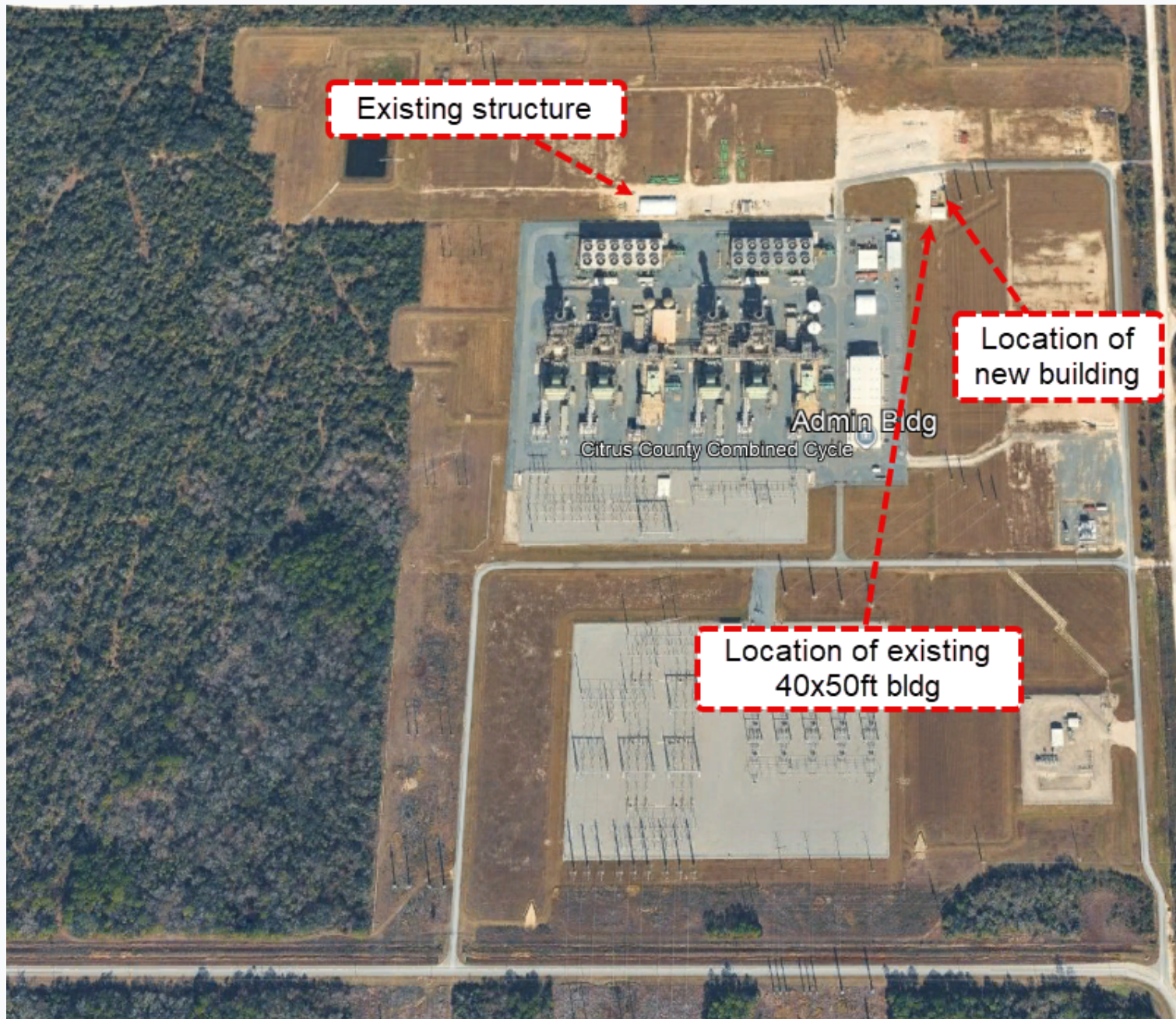
Close-up submitted exhibit showing the existing temporary tent and project location.

70 x 100 Building - Proposed Building Location

Exhibit 1C



Submitted exhibit showing the proposed 70-foot by 100-foot building footprint.



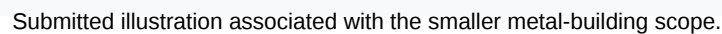
Submitted location exhibit showing the smaller-building project area.



Close-up submitted exhibit showing the existing Connex units and project location.



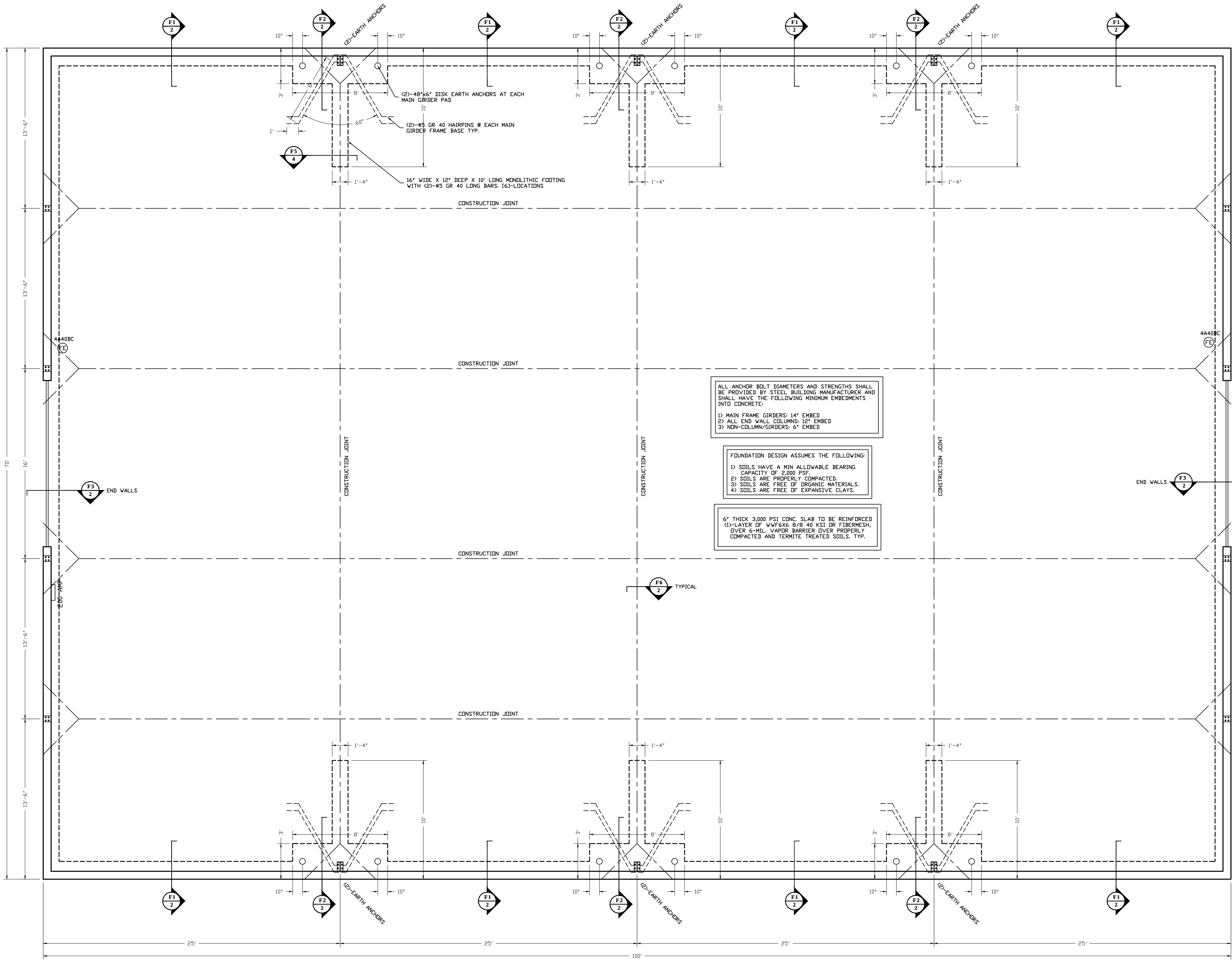
Submitted exhibit showing the proposed smaller-building footprint.



ATTACHMENT III

70 x 100 BUILDING DRAWINGS

Preliminary foundation, footing, and electrical drawings dated April 27, 2026



FOUNDATION PLAN
SCALE: 1/4" = 1'-0"

GENERAL NOTES:

- A) ALL WORK SHALL BE IN COMPLIANCE WITH FLORIDA BUILDING CODE-2023 (8TH EDITION).
- B) THESE DRAWINGS HAVE BEEN PREPARED WITH THE ASSUMPTION THAT ALL SYSTEMS WILL BE INSTALLED BY QUALIFIED PROFESSIONALS LICENSED BY THE STATE OF FLORIDA FOR THE TYPE OF INSTALLATION INDICATED.
- C) ALL TRADES ARE RESPONSIBLE FOR THE PROPER INSTALLATION OF THEIR PARTICULAR TRADE IN ACCORDANCE WITH FLORIDA BUILDING CODE-2023. THESE PLANS REFLECT A GENERAL LAYOUT AND DESIGN OF BUILDING COMPONENTS AND MAY NOT SHOW ALL ITEMS REQUIRED FOR COMPLETE INSTALLATION PER CODE(S).

CONSTRUCTION:

- A) USE PROPERLY DESIGNED SHORING, BRACING, UNDERPINNING, ETC. AS REQUIRED BY CONDITIONS. IT IS THE CONTRACTORS SOLE RESPONSIBILITY TO DETERMINE ERECTION PROCEDURE AND SEQUENCE TO ENSURE THE SAFETY OF THE BUILDING AND ITS COMPONENT PARTS DURING ERECTION.
- B) NO FIELD REVISIONS TO ANY STRUCTURAL COMPONENTS SHALL BE MADE WITHOUT PRIOR APPROVAL BY THE ENGINEER. THIS INCLUDES (BUT IS NOT LIMITED TO) REVISIONS DUE TO MIS-LOCATION, MISFIT, OR ANY OTHER CONSTRUCTION ERRORS.
- C) BRACE ALL WALLS DURING CONSTRUCTION TO PREVENT DAMAGE FROM WIND, WATER, EARTH PRESSURE AND CONSTRUCTION LOADS UNTIL ALL SUPPORTING ELEMENTS ARE IN PLACE AND OF SUFFICIENT STRENGTH.
- D) NO OPENING SHALL BE PLACED IN ANY STRUCTURAL MEMBER (OTHER THAN AS INDICATED ON APPROVED SHOP DRAWINGS) UNTIL THE LOCATION HAS BEEN APPROVED BY THE STRUCTURAL ENGINEER.
- E) STRUCTURAL DRAWINGS ARE TO BE COORDINATED AND USED IN CONJUNCTION WITH THE ARCHITECTURAL, MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS. SEE MECHANICAL DRAWINGS FOR EQUIPMENT PADS, BASES, SUPPORTS AND DUCT PENETRATIONS.

SHOP DRAWINGS:

- A) ONE COPY OF ALL SHOP DRAWING SUBMITTALS SHALL BE SUBMITTED TO THE ENGINEER OF RECORD FOR APPROVAL. NO FABRICATION IS TO PROCEED WITHOUT APPROVED SHOP DRAWINGS.
- B) SHOP DRAWINGS SHALL BE SUBMITTED SUCH THAT A MINIMUM OF 10 DAYS IS ALLOWED FOR REVIEW BY THE ENGINEER.

FOUNDATION:

- A) FOUNDATION DESIGN IS BASED ON THE USE OF FOOTINGS AT A MAXIMUM SOIL PRESSURE OF 2,000 POUNDS PER SQUARE FOOT. THE SUBGRADE IS TO BE VERIFIED BY A GEOTECHNICAL ENGINEER FOR SUITABILITY. IF FIELD CONDITIONS DO NOT PROVIDE THIS MINIMUM VALUE, THE ENGINEER SHOULD BE NOTIFIED IMMEDIATELY.
- B) SHOULD ORGANIC SILT, CLAY POCKETS OR OTHER UNSUITABLE BEARING CONDITIONS BE ENCOUNTERED DURING EXCAVATION, NOTIFY THE ENGINEER BEFORE CONTINUING WITH CONSTRUCTION.
- C) THE CONTRACTOR MUST PROVIDE SURFACE DRAINAGE AND PUMPS TO PROTECT ALL EXCAVATION FROM FLOODING. FLOODING OF ANY EXCAVATION AFTER APPROVAL OF THE SUBGRADE WILL BE CAUSE FOR COMPLETE RE-PREPARATION AND RE-APPROVAL OF THE SUBGRADE.
- D) THE CONTRACTOR SHALL PROVIDE ALL NECESSARY MEASURES TO PREVENT ANY WATER FROM PENETRATING ANY FOOTING OR SLAB SUBGRADE BEFORE AND AFTER THE PLACING OF CONCRETE, AND UNTIL SUCH SUBGRADES ARE FULLY PROTECTED BY THE PERMANENT BUILDING STRUCTURE.
- E) ALL SLABS-ON-GRADE SHALL BE PLACED ON A 3" COMPACTED SAND BED OVER A VAPOR BARRIER ON A CLEAN AND FREE DRAINING GRANULAR FILL BENEATH THE FLOOR SLAB. THE GRANULAR FILL SHOULD HAVE A MIN. OF 98% OF THE MODIFIED PROCTOR DENSITY IN ACCORDANCE WITH ASTM SPECIFICATION D-1557.

DESIGN CRITERIA

1. THIS FOUNDATION HAS BEEN DESIGNED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE-2023 [8TH EDITION]
2. THE FOLLOWING ANALYSIS CRITERIA WAS USED:
WIND SPEED: $V_{ult} = 140$ MPH (3-SEC GUST)
 $V_{std} = 140(0.775) = 108.5$ MPH (3-SEC GUST)
EXPOSURE: C
STRUCTURE CLASS: II
INTERNAL PRESS COEFF: 0.18
FLOOD ZONE: X (ASSUMED)
ROOF LIVE LOAD: 16 PSF
3. THIS FOUNDATION IS BASED ON PRELIMINARY STEEL BUILDING PLANS BY SBS STEEL BUILDING SYSTEMS, INC.

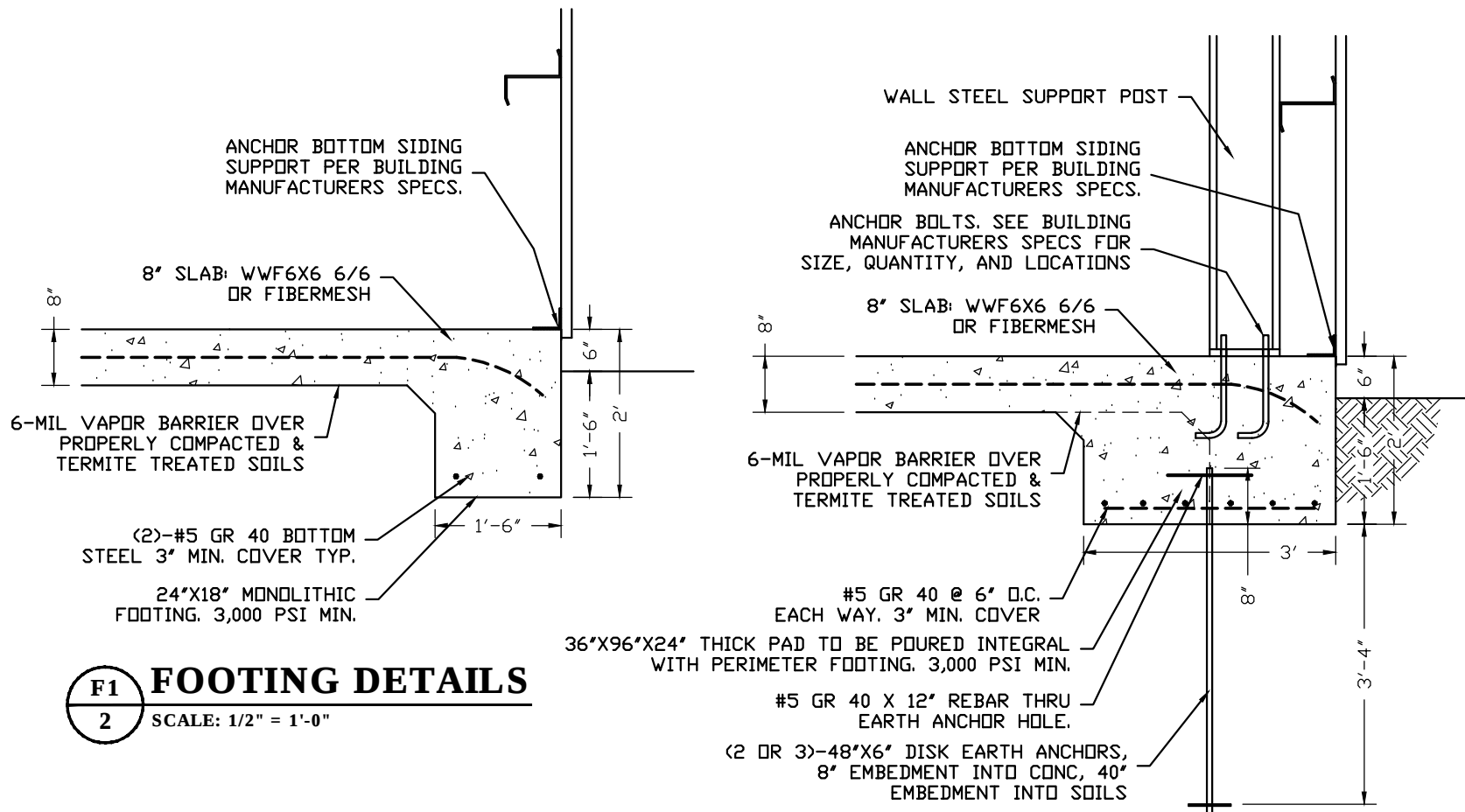
REVISION:	DATE:
0 PRELIMINARY	4/27/26
1	
2	
3	
4	

DRAWN BY:	DA
JOB NUMBER:	26-114

Daniel F. Ardito, P.E.
Professional Engineer
SBS STEEL BUILDING SYSTEMS, INC.
License No. 1352-621-4915

SHEET TITLE:
FOUNDATIONS

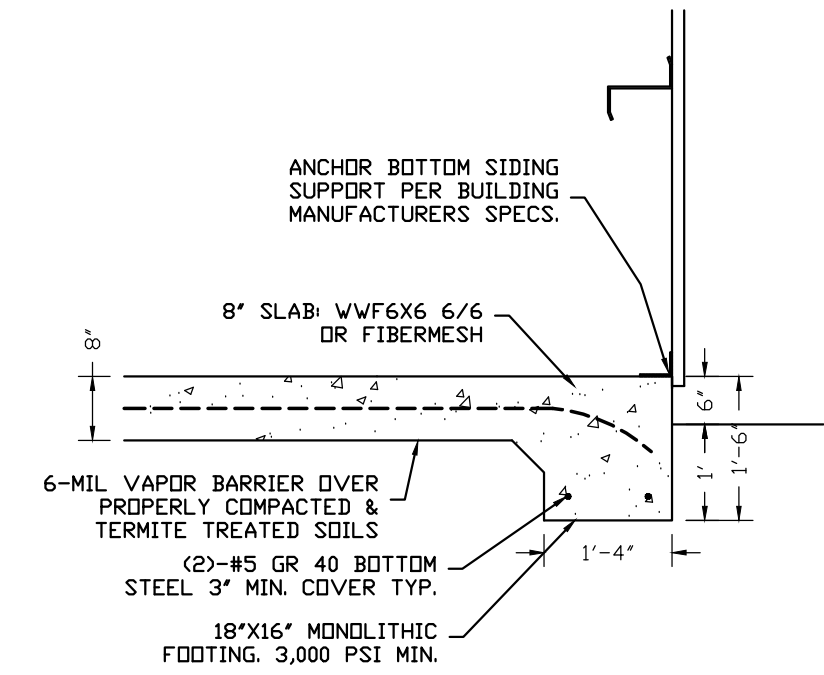
JOB NAME:
DUKE ENERGY LTSA STORAGE BUILDING
CRYSTAL RIVER, FL



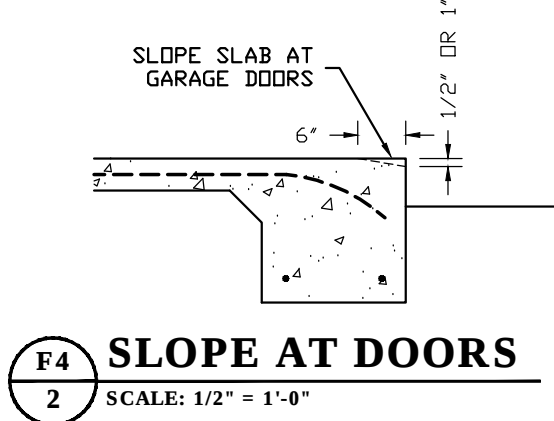
36"x96"x24" THICK PAD TO BE POURED INTEGRAL WITH PERIMETER FOOTING. 3,000 PSI MIN.

#5 GR 40 X 12" REBAR THRU EARTH ANCHOR HOLE.
(2 OR 3)-48"x6" DISK EARTH ANCHORS, 8" EMBEDMENT INTO CONC. 40" EMBEDMENT INTO SOILS

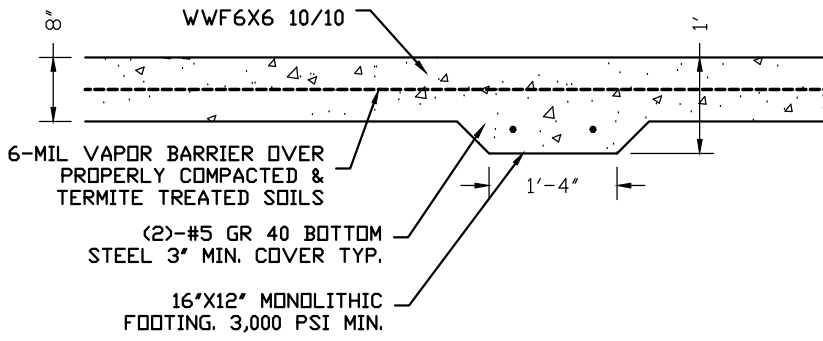
F2 FOOTING DETAILS
2 SCALE: 1/2" = 1'-0"



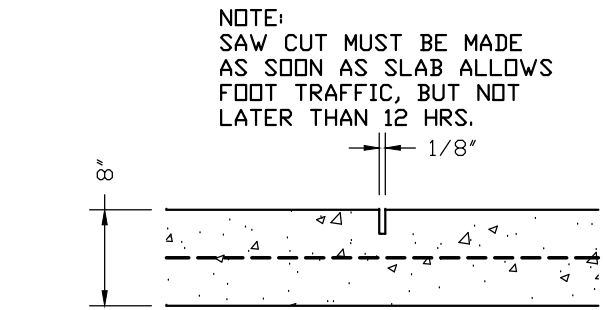
F3 END WALL FOOTING DETAILS
2 SCALE: 1/2" = 1'-0"



F4 SLOPE AT DOORS
2 SCALE: 1/2" = 1'-0"

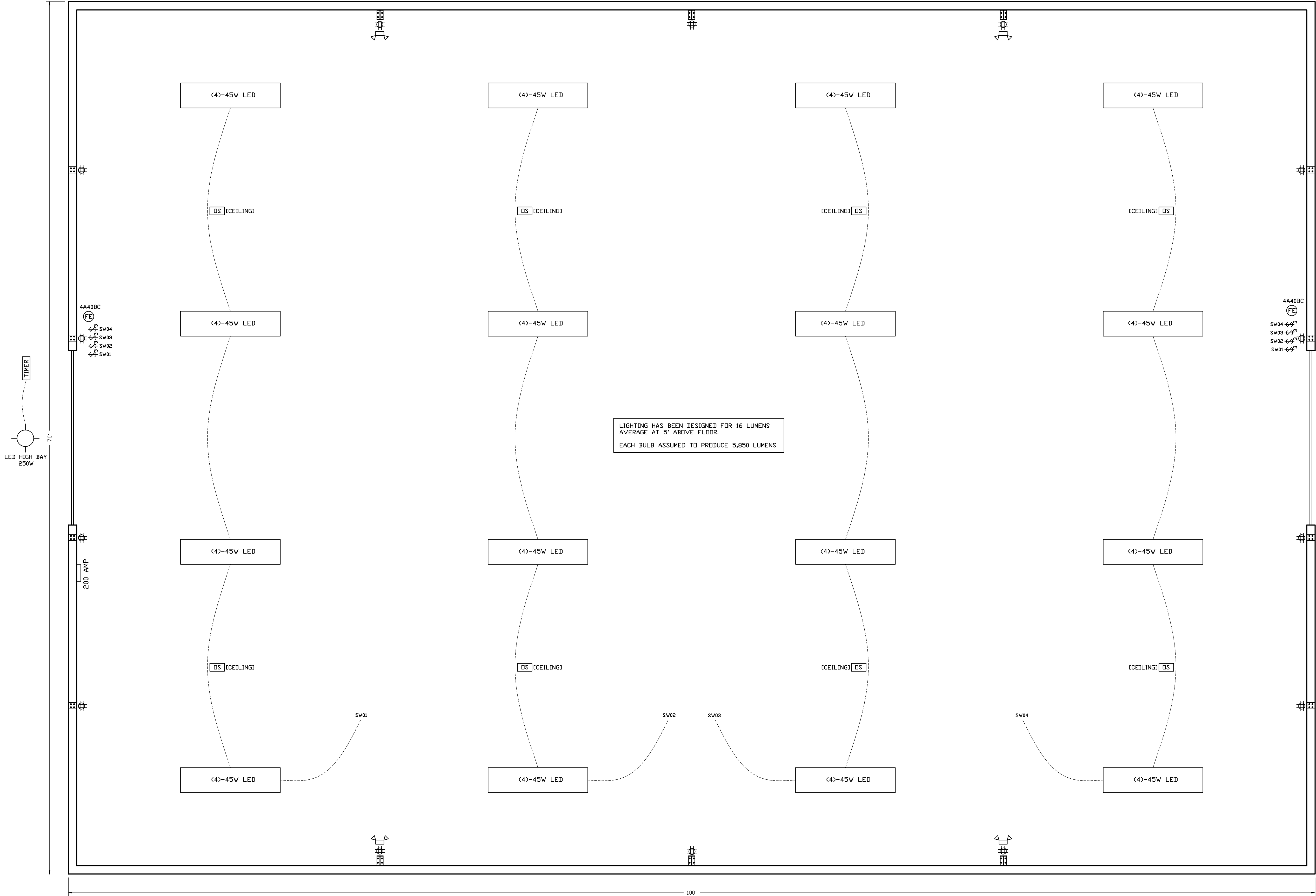


F5 FOOTING DETAILS
2 SCALE: 1/2" = 1'-0"



F6 CONSTRUCTION JOINT
2 SCALE: 1/2" = 1'-0"

NOTE:
SAW CUT MUST BE MADE AS SOON AS SLAB ALLOWS FOOT TRAFFIC, BUT NOT LATER THAN 12 HRS.



ELECTRICAL PLAN
SCALE: 1/4" = 1'-0"

ELECTRICAL LEGEND	
\$	SINGLE POLE SWITCH, 20A, 120/277V
\$3	THREE WAY SWITCH, 20A, 120/277V
[PH]	PHOTOCELL
⊖	110V OUTLET
⊖GFCI	GROUND FAULT CIRCUIT INTERRUPTER, 20A, 125V
⊖WP	DUPLEX RECEPTACLE W/WATERPROOF COVER
⊖	QUADRAPLEX RECEPTACLE, 20A, 125V
⊖	220V OUTLET
⊖	INCANDESCENT LIGHT FIXTURE
[A]	LED LIGHT W/JNT BDX
⊖	EMERGENCY EXIT SIGN
⊖	EMERGENCY LIGHTING
⊖	FIRE EXTINGUISHER

LIGHT SWITCH NOTES	
DS	OCCUPANCY SENSORS REQUIRED
TIMER	AUTOMATIC TIME CONTROL REQUIRED

ELECTRICAL LOAD CALCULATIONS	
CONTINUOUS LOADS	(VA)
WAREHOUSE LIGHTING - 7,000 SF @ 1.2 VA/SF	8,400
OUTSIDE - (2) @ 250 VA/SF	500
OUTSIDE SIGNAGE - (2) @ 1,200 VA EACH	2,400
SUB-TOTAL	11,300

NON-CONTINUOUS LOADS	(VA)
RECEPTACLE LOAD - (21)-RECEPTACLES @ 180 VA EACH	3,780
SUB-TOTAL	3,780

HEAT LOAD	(VA)
SUB-TOTAL	0

TOTALS	(VA)
CONTINUOUS LOADS @ 125%	14,125
NON-CONTINUOUS LOADS: 100% FOR 1ST 10,000VA	3,780
NON-CONTINUOUS LOADS: 50% OF REMAINDER	0
HEAT LOADS @ 100%	0
FINAL TOTAL	17,905

17,905 VA / 240 V = 74.6 AMP	200 AMP
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LIGHTING ENERGERY EFFICIENCY COMPLIANCE BUILDING AREA METHOD		
T8-LEDX48" = (16X4X45W)	2,880	WATT
TOTAL LIGHTING LOAD	2,880	WATT
BUILDING AREA	7,000	SF
INSTALLED	0.411	WATT/SF
CODE ALLOWABLE (OFFICE)	0.45	WATT/SF
CODE RATIO C1.03	0.91	PASS

ATTACHMENT IV

SMALLER BUILDING STRUCTURAL PLAN

Submitted generic structural plan associated with the smaller metal building

CODES AND STANDARDS

1. WIND LOADS AS PER:
- A. FLORIDA RESIDENTIAL BUILDING CODE 7TH EDITION (2020) WITH AN ULTIMATE DESIGN WIND SPEED OF 150 MPH. EXPOSURE B. NOMINAL DESIGN WIND SPEED OF 117 MPH, BUILDING RISK CATEGORY I.
2. ROOF LIVE LOAD DESIGN IS 20 PSF.
3. THE PROJECT WAS DESIGNED IN ACCORDANCE WITH THE:
- A. FLORIDA BUILDING CODE 7TH EDITION (2020).
- B. BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI 318/2014 EDITION).
- C. MANUAL OF STANDARD PRACTICE FOR WELDING REINFORCING STEEL, INSERTS & CONNECTIONS IN REINFORCED CONCRETE CONSTRUCTION, AWS, D1.4/ LATEST EDITION
- D. SPECIFICATION FOR THE DESIGN, FABRICATION & ERECTION OF STRUCTURAL STEEL FOR BUILDINGS. (AMERICAN INSTITUTE OF STEEL CONSTRUCTION) AISC 13TH EDITION (ASD).

4. MATERIALS AND ASSEMBLY TEST AS FOLLOWS:
- A. EXTERIOR WINDOWS, SLIDING AND PATIO GLASS DOORS SHALL BE TESTED BY AN APPROVED INDEPENDENT TESTING LABORATORY, AND SHALL BE LABELED WITH AN APPROVED LABEL IDENTIFYING THE MANUFACTURER, PERFORMANCE CHARACTERISTICS AND APPROVED PRODUCT CERTIFICATION AGENCY. TESTING LABORATORY, EVALUATION ENTITY OR FLORIDA STATE WIDE PRODUCT APPROVAL NUMBER TO INDICATE COMPLIANCE WITH THE REQUIREMENTS OF ONE OF THE FOLLOWING SPECIFICATIONS:
- ANSI/AAMA/WWDA 101/I.S. 2-97 OR TAS 202
- B. EXTERIOR DOOR ASSEMBLIES SHALL BE TESTED FOR STRUCTURAL INTEGRITY IN ACCORDANCE WITH ASTM E330 AT A LOAD OF 1.5 TIMES THE REQUIRED DESIGN PRESSURE LOAD.
- C. SECTIONAL GARAGE DOORS SHALL BE TESTED FOR DETERMINATION OF STRUCTURAL PERFORMANCE UNDER UNIFORM STATIC AIR PRESSURE DIFFERENCE IN ACCORDANCE WITH ANSIDASMA 115 OR TAS 201.202 AND 203.

5. STEEL FRAMES SHALL BE SPACED NO MORE THAN 60" O.C. U.N.O. ON PLAN. ALL TUBE STEEL SHAPE STRENGTHS ARE 46 KSI STEEL. ALL CUPS ARE 36 KSI STEEL.
6. STEEL WELD STRENGTH SHALL BE 55 KSI TYP. ALL WELDS SHALL BE 1/8" MINIMUM FILLET WELDS.
7. ANCHORING BUILDING:
- A. BUILDING SHALL BE ATTACHED WITH HELICAL ANCHORS PER THE HELICAL ANCHOR DETAIL.
- B. WHEN EMBEDDED INTO ASPHALT HELICAL ANCHORS OR 30" LONG #5 REBAR WITH A NUT WELDED TO THE TOP, SHALL BE INSTALLED AT 12" ON CENTER FROM EACH SIDE AND THE BALANCE 56" ON CENTER.
- C. WHEN PLACED ON A 4" CONCRETE SLAB, A 1/2" EXPANSION ANCHOR WITH 2-1/2" OF EMBEDMENT SHALL BE INSTALLED 12" FROM EACH SIDE AND THE BALANCE 56" ON CENTER. CONCRETE SHALL BE MINIMUM COMPRESSIVE STRENGTH OF 2500 PSI AT 28 DAYS.
8. ALL STEEL TO STEEL FASTENERS ARE TO BE 1/2-14 x 1/4 HWU ULTRA-2 TCF9 CS.
9. EACH LOCATION WHERE THE FRAME IS JOINED TOGETHER WILL HAVE 2 SCREWS ON EACH SIDE OF THE JOINT.

WALL AND OPENING PRESSURES
COMPONENTS AND CLADDING (VASD)

OPENING TYPE	HEIGHT	WIDTH	CODE	TYPE	MATERIAL	PRESSURE (PSF)
WINDOW	38 3/8"	37"	23	SINGLE HUNG	* ALUM.	+21.0 / -23.0
DOOR	96"	36"	S - 750	SINGLE CURTAIN	STEEL	+20.1 / -21.7
DOOR	96"	72"	S - 750	SINGLE CURTAIN	STEEL	+19.0 / -20.8
DOOR	96"	104"	S - 750	SINGLE CURTAIN	STEEL	+18.6 / -20.3
DOOR	96"	120"	S - 750	SINGLE CURTAIN	STEEL	+18.2 / -20.1
DOOR	96"	144"	S - 3100	SINGLE CURTAIN	STEEL	+18.1 / -19.8

* - PROVIDE BARRIER BETWEEN ALUMINUM AND STEEL TO PREVENT CORROSION

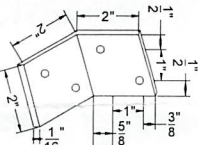
CONNECTOR SCHEDULE

CONNECTION	Ø	LENGTH	TYPE	MATERIAL	SPACING FROM EA CORNER	TYP. SPACING
METAL SIDING ROOF	1/4"	3/4"	SELF TAPPING	GALV. MTL. SCREW	1-1/2"	Ø 10" O.C.
METAL SIDING WALL	1/4"	3/4"	SELF TAPPING	GALV. MTL. SCREW	1-1/2"	Ø 10" O.C.
TUBE TO TUBE	1/4"	3/4"	SELF TAPPING	GALV. MTL. SCREW	(2) SCREWS EA. TUBE	

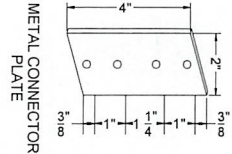
ANCHOR SCHEDULE		
1/2" DIA. EXPANSION BOLTS TO THICKENED EDGE FOOTING, 2 1/2" EMBED		
STRUCTURE	< 140 MPH	< 150 MPH
0' - 24' WIDE	48" O.C.	48" O.C.
30' WIDE	48" O.C.	48" O.C.
40' WIDE	48" O.C.	36" O.C.

END WALL FRAMING SCHEDULE		
END WALL MEMBER VERTICAL SPAN	TYP. SPACING	
14 FT TO 15 FT	Ø 3-6" O.C. (42" O.C.)	
13 FT TO 14 FT	Ø 4-0" O.C. (48" O.C.)	
11'-6" TO 13 FT	Ø 5-0" O.C. (60" O.C.)	
0 TO 11'-6"	Ø 6-0" O.C. (72" O.C.)	

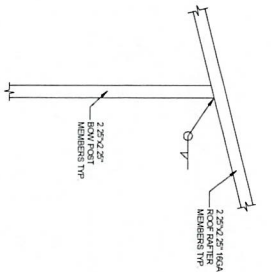
ROOF BEAM SCHEDULE		
STRUCTURE	TYP. SPACING	
0' - 20' WIDE	2.25 X 2.25 X 16 GAUGE	
20' - 24' WIDE	2.25 X 2.25 X 14 GAUGE	



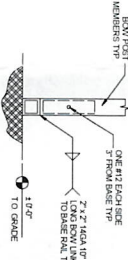
METAL CLIP ANGLE



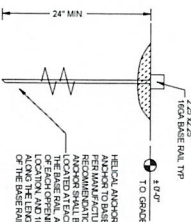
METAL CONNECTOR PLATE



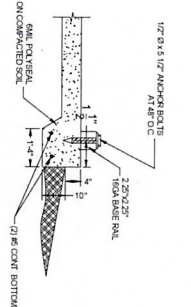
TEE SPLICE CONNECTION



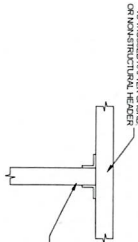
BOWBASE RAIL SPLICE CONNECTION



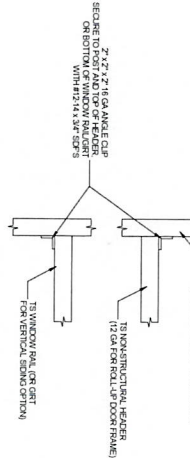
HELICAL ANCHOR CONNECTION



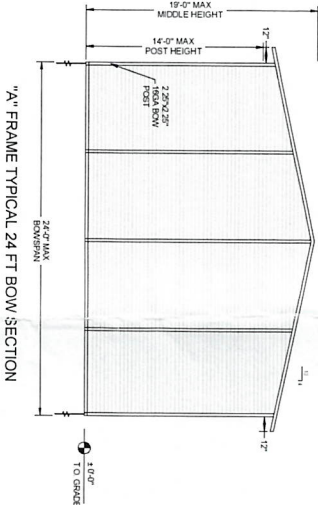
CONCRETE SLAB CONNECTION



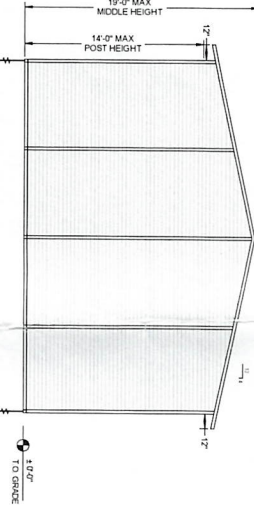
POST TO NON-STRUCTURAL HEADER, BASE RAIL OR WINDOW FRAME CONNECTION DETAIL



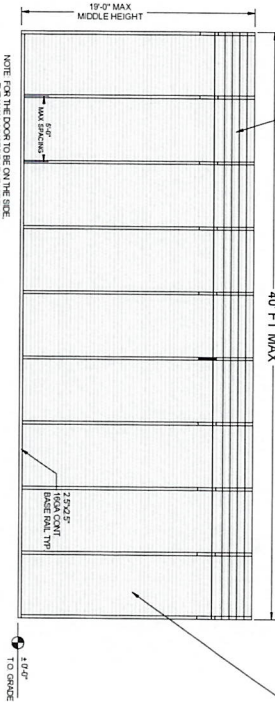
NON-STRUCTURAL HEADER OR WINDOW RAIL TO POST CONNECTION DETAIL



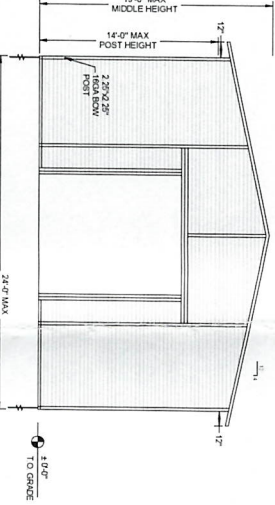
"A" FRAME TYPICAL 24 FT BOW SECTION



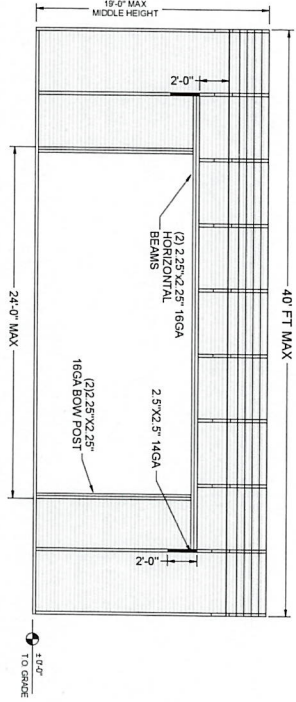
"A" FRAME FRONT WALL FRAMING



"A" FRAME SIDE FRAMING DETAIL

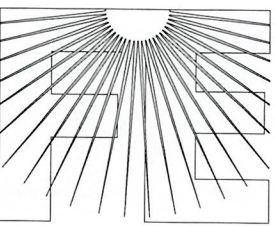


"A" FRAME END WALL FRAMING



"A" FRAME SIDE FRAMING DETAIL

GENERIC PLANS ARE NOT VALID WITHOUT A RAISED SEAL & BLUE INK SIGNATURE



FLORIDA ENGINEERING LLC
4161 TAMIAMI TRAIL, UNIT 101
PORT CHARLOTTE, FLORIDA 33952
(941) 391-5980
www.flengineeringllc.com

Craig E. Gunderson, P.E. #60102
DATE: 02/04/2022

PROJECT NO. 2202848

CA CERT. #30782

THE CARPORT COMPANY
945 NW 17TH AVE
OCALA FL 34475

PROJECT ADDRESS:

24' HORIZONTAL A-FRAME ENCLOSURE

DESIGN DATE:	02/04/2022	PAGE :	1
REVISION 1:	DATE		
REVISION 2:	DATE		
SCALE:	NTS		