



INTERNATIONAL
CODE
COUNCIL®

TESTING • INSPECTION • ENGINEERING

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May 1, 2025

Modular Connections, LLC
1090 Industrial Blvd
Bessemer, AL 35022

RE: MFT-4193-MCP1410-FL

NTA JOB NUMBER: MCL040125-97

Dear Mr. Chad Pearson,

The referenced manufactured building has been reviewed and approved. ICC-NTA LLC certifies this plan is in compliance with 8TH Edition (2023) Florida Codes with 2024 Supplement 1-as referenced in the approved drawings. This approval covers the factory build structure only. Any alterations to the factory-built structure, on site, voids the approval. This plan is subject to the following limitations:

1. Signed and sealed plans are on file with ICC NTA, LLC
2. The Chapter 633 Plan Review and Inspection shall be conducted by the local fire safety inspector.
3. Items installed on site are subject to review and approval by the local authority having jurisdiction. Please reference the list of site installed items on the approved plans.
4. This review included products for compliance with 553.8425 or FAC Chapter 61G20-3.
5. This building is **NOT** designed for HVHZ.

If you have any additional questions or comments regarding this matter, please contact me at your convenience at (574) 773-7975.

Respectfully,

Michael Faller

Michael Faller SMP-056
Account Manager
ICC NTA, LLC



A MEMBER OF THE ICC FAMILY OF SOLUTIONS



Const. Type:	VB
Occupancy:	S2
Allowable No. of Floors:	1
Wind Velocity:	150 MPH Vault
Fire Rating of Ext. Walls:	0
Plan No.:	MFT-4193-MCP1410
Allow. Floor Load:	200
Approval Date:	3/1/2025
Manufacturer:	Modular Connections, LLC

Address 1090 Industrial Blvd., Bessemer, AL 35022

License No. MFT-4193

PRODUCT APPROVAL SPECIFICATION SHEET

Manufacturer: Modular Connections, LLC **Plan #:** MFT-4193-MCP1410

As required by Florida Statute 553.842 and Florida Administrative Code 61G20-3.006 please provide the information and the product approval number(s) on the building components listed below if they will be utilized on the manufactured building for which you are applying for a DBPR insignia. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products. More information about statewide product approval can be obtained at www.floridabuilding.org.

Category	Manufacturer	Product Description	Approval #(s)
EXTERIOR DOORS			
Swinging	Ceco Door Products	Door/Door Frame	FL4553 R15
Sliding			
Sectional			
Roll-up			
Automatic			
Other			
WINDOWS			
Single Hung			
Horizontal Slider			
Casement			
Double Hung			
Fixed			
Awning			
Pass-through			
Projected			
Mullion			
Wind Breaker			
Dual Action			
Other			
PANEL WALL			
Siding			
Soffits			
EIFS			
Storefronts			
Curtain Walls			
Wall Louver	United Entertech	WALL LOUVER	FL41627_R1
Glass Bloc			

PRODUCT APPROVAL SPECIFICATION SHEET

Category	Manufacturer	Product Description	Approval #(s)
PANEL WALL (Cont.)		<p>These prints comply with the Florida Manufactured Building Code and adheres to the following criteria:</p> <p>Cond. Type: <u>VB</u> Occupancy: <u>S2</u> Approval No. <u>1</u> of Prints Wind Velocity: <u>150 MPH/1 Volt</u> Elev. Rating: <u>0</u> Ext. Walls: <u>0</u> Plan No.: <u>MFT-4193-MCP1410</u> Allow. Floor Load: <u>200</u> Approval Date: <u>5/1/2018</u> Manufacturer: <u>Modular Connections, LLC</u></p>	
Membrane			
Greenhouse			
Other			
ROOFING PRODUCTS			
Asphalt Shingles			
Underlayment			
Roofing Fasteners			
Non-Structural Metal			
Built-Up Roofing			
Modified Bitumen			
Single Ply Roofing Sys.	Duro-Last Roofing, Inc.	Duro-Fleece Plus/WB II Adhesive	FL1559-R19
Roofing Tiles			
Roofing Insulation			
Waterproofing			
Wood Shingles / Shakes			
Roofing Slate			
Liquid Applied Roof Sys.			
Cements/Adhesives/Coatings			
Roof Tile Adhesive			
Spray Applied			
Polyurethane Roof			
Other			
SHUTTERS			
Accordion			
Bahama			
Storm Panels			
Colonial			
Roll-Up			
Equipment			
Other			
SKYLIGHTS			
Skylight			
Other			

Manufacturer:

Modular Connections, LLC

Plan #:

MFT-4193-MCP1410

Category	Manufacturer	Product Description	Approval #(s)
STRUCTURAL COMPONENTS		<p>These prints comply with the Books Manufactured and Building Act and Supped Codes and adheres to the following criteria:</p> <p>APPROVED BY</p>  <p>Constr. Type: VB Span: 52 Allowable No. of Floors: 1 Wind Velocity: 150 MPH/Unit Fire Rating of Ext. Wall: 0 Plan No.: 31214192ANCP1310 Allow. Floor Load: 200 Approval Date: 3/1/2025 Manufacturer: Modular Components, LLC</p>	
Wood Connector / Anchor			
Truss Plates			
Engineered Lumber			
Railing			
Coolers & Freezers			
Concrete Admixtures			
Material			
Insulation Forms			
Plastics			
Deck & Roof			
Wall			
Sheds			
Other			
<hr/>			
NEW EXTERIOR ENVELOPE PRODUCTS			

Wood Construction Connectors (cont.)

The products listed below did not demonstrate product approval at plan review. I understand that at the time of inspection of these products, the following information must be available to the inspector at the manufacturing plant: (1) Copy of the product approval from the Local or State Building Commission, or supply all of the information listed on Form No. 9B-72.130(5). (2) Copy of the applicable manufacturers' installation requirements.

I understand these products may have to be removed if approval cannot be demonstrated during inspection.

Chad Pearson

Digitally signed by Chad Pearson
DN: C=US, E=cpearson@modularconnections.com, O="Modular
Connections, LLC", OU=VP Engineering & QA, CN=Chad Pearson
Date: 2025.03.31 11:18:41-05'00'

Manufacturer's Authorized Agent Signature

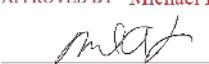
Printed Name

Date

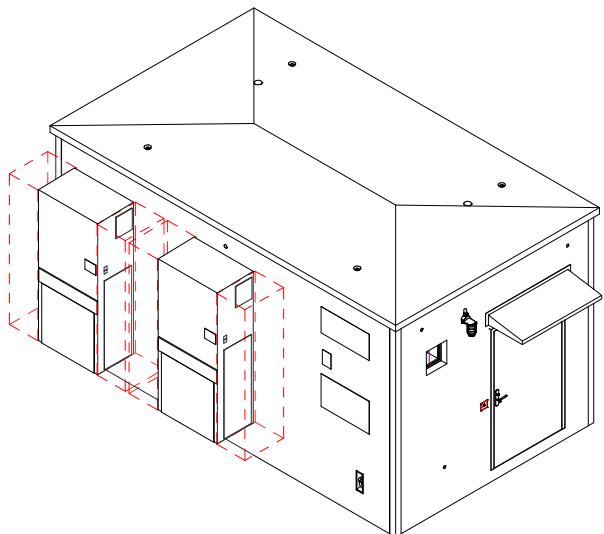
DATE 5/1/2025 CERT. NO SMP-056

PLAN NUMBER MCL040125-97

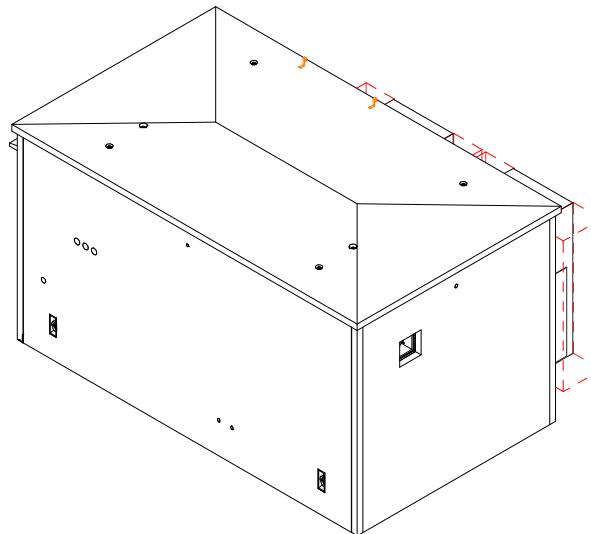
APPROVED BY Michael Faller



(signature)



① 3D VIEW 1



② 3D VIEW 2

These prints comply with the
Florida Manufactured Building
Act and adopted Codes and
adhere to the following criteria:

APPROVED BY

Const. Type: VB
Occupancy: S2
Allowable No. of Floors: 1
Wind Velocity: 150 MPH (Val)
Fire Rating of Ext. Walls: 0
Plan No.: MCL-4193-MCP1410
Allow. Floor Load: 200
Approval Date: 5/1/2025
Manufacturer: Modular Connections, LLC

DRAWING INDEX (ELECTRICAL PERMITTING)

SHEET #	SHEET DESCRIPTION	REV. #	REV. DATE	REV. DESCRIPTION
EP0.0	COVER PAGE			
G0.1	PROJECT DATA			
G0.2	GENERAL SPECIFICATIONS			
EP0.3	EQUIPMENT LIST			
EP0.4	ELECTRICAL ABBREVIATIONS & SYMBOLS LEGEND			
EP1.0	WIRING PLAN (FLOOR)			
EP1.1	WIRING PLAN (CEILING)			
EP1.2	MDP PANEL SCHEDULE			
EP1.3	INV-1 PANEL SCHEDULE			
EP1.4	AC WIRING DIAGRAM(S)			
EP2.0	ENDWALL PANEL A (EXTERIOR)			
EP2.1	SIDEWALL PANEL B (EXTERIOR)			
EP2.2	ENDWALL PANEL C (EXTERIOR)			
EP2.3	SIDEWALL PANEL D (EXTERIOR)			
Grand total: 14				

Tammy
Storey

Digitally signed by Tammy Storey
Date: 2025.04.30 13:16:41 -04'00'

STATE: FLORIDA



1090 Industrial Blvd.
Bessemer, AL 35022
Ph# 205-980-4565
Email: info@modularconnections.com

MODULAR CONNECTIONS
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Title: PATTISON & DEWAR - 12' x 20' x 9'-9" IH
Site: FORT WHITE, FLORIDA
Drawn By: ACF Checked By: CLP Project Manager: CLP Date: 08/30/24
Drawing Number: D22119
Sheet Name: COVER PAGE
Project Number: MCP1410 - MC5116 Sheet Number: EP0.0

NOTICE: These drawings and specifications are the property of Modular Connections, LLC. All information contained herein which is not known generally in the field of Modular Connections, LLC shall be confidential except to any extent to which it is established to have been known previously from sources other than Modular Connections, LLC. These drawings and specifications may not be reproduced, copied or used as the basis for the manufacture or sale of apparatus without written permission.

PROJECT DATA - FLORIDA

DESIGN CODES:

8TH EDITION (2023) FLORIDA BUILDING CODE W/ 2024 SUPPLEMENT 1, 2, 3
 8TH EDITION (2023) FLORIDA ENERGY CONSERVATION CODE W/ 2024 SUPPLEMENT 1 EXCEPTION C101.4.2.4 ITEM 4
 8TH EDITION (2023) FLORIDA FUEL GAS CODE
 2020 NATIONAL ELECTRIC CODE (NFPA 70)
 8TH EDITION (2023) FLORIDA PLUMBING CODE W/ 2024 SUPPLEMENT 1
 8TH EDITION (2023) FLORIDA MECHANICAL CODE W/ 2024 SUPPLEMENT 1 & 5
 8TH EDITION (2023) FLORIDA BUILDING CODE: ACCESSIBILITY

① DESIGN CODES

12" = 1'-0"

DESIGN LOADS:

FLOOR LIVE LOAD	200 PSF
FLOOR DEAD LOAD	56.3 PSF
ROOF LIVE LOAD	35 PSF
ROOF DEAD LOAD	46.7 PSF
RISK CATEGORY	II
GROUND SNOW LOAD	4 PSF
SNOW LOAD IMPORTANCE FACTOR	1
SNOW EXPOSURE FACTOR	1.2
Thermal Factor	1.2
FLAT ROOF SNOW LOAD	4.1 PSF
WIND VELOCITY (3-SEC GUST, Vult)	150.00 MPH
WIND VELOCITY (3-SEC GUST, Vasd)	116.19 MPH
WIND EXPOSURE CATEGORY	C
INTERNAL PRESSURE COEFFICIENT	±0.18
WIND LOAD HORIZONTAL (MWFRS)	35.8 PSF
WIND LOAD (UPLIFT) (MWFRS)	53.5 PSF
WIND LOAD HORIZONTAL (C & C, ZONE 4)	53.3 PSF
WIND LOAD HORIZONTAL (C & C, ZONE 5)	65.8 PSF
WIND LOAD (UPLIFT) (C & C, ZONE 1)	78.2 PSF
WIND LOAD (UPLIFT) (C & C, ZONE 2)	103.2 PSF
WIND LOAD (UPLIFT) (C & C, ZONE 3)	140.7 PSF
WIND LOAD HORIZONTAL (C & C, ZONE 4, Vasd)	32 PSF
WIND LOAD HORIZONTAL (C & C, ZONE 5, Vasd)	39.5 PSF
SEISMIC IMPORTANCE FACTOR	1
SPECTRAL RESPONSE ACCELERATION S_{DS}	0.09
SPECTRAL RESPONSE ACCELERATION S_{D1}	0.08
SEISMIC DESIGN CATEGORY	B
SITE CLASS	D
BASIC SEISMIC-FORCE RESISTING SYSTEM	A.5 - BEARING WALL SYSTEMS - INTERMEDIATE PRECAST SHEAR WALLS
DESIGN BASE SHEAR	0.02W
ANALYSIS PROCEDURE	EQUIVALENT LATERAL-FORCE PROCEDURE
OCCUPANCY USE GROUP	S2
CONSTRUCTION TYPE	VB
MINIMUM SETBACK	SEE NOTES FOR A COMMON OR ASSUMED PROPERTY LINE TO COMPLY WITH IBC

② DESIGN LOADS

12" = 1'-0"

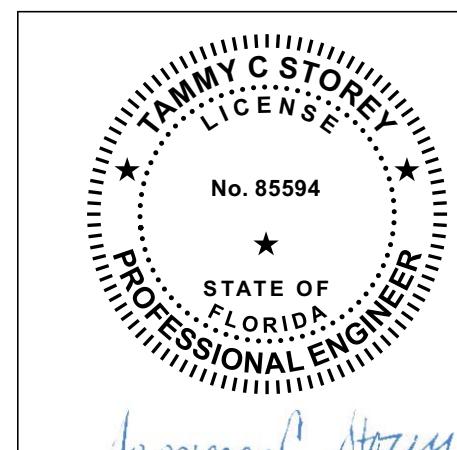
NOTES:

1. THE INTENDED OCCUPANCY OF THIS EQUIPMENT BUILDING IS FOR PERFORMING THE REQUIRED SERVICE/MAINTENANCE OF EQUIPMENT ONLY.
2. PER IBC, 4" SAND-LIGHTWEIGHT CONCRETE WALLS HAVE FIRE RESISTANCE RATING OF 2 HOURS WITH UNPROTECTED OPENINGS.
3. ALL SETBACK REQUIREMENTS SHALL CONFORM TO THE REFERENCED IBC AND LOCAL CODE REQUIREMENTS.
4. THIS BUILDING IS REQUIRED TO BE CONNECTED TO PUBLIC UTILITIES.
5. THE USE OF THIS BUILDING WITHOUT RESTROOM FACILITIES IS SUBJECT TO LOCAL REVIEW AND APPROVAL.
6. THESE PLANS COMPLY WITH RULE 61G20-3.006 (PRODUCT APPROVAL) PROCEDURES OR SAFETY PRECAUTIONS.
7. THE SEALED SET OF PLANS ARE ON FILE IN THE THIRD AGENCY'S OFFICE AS DIRECTED BY DBPR.
8. THIS BUILDING IS NOT APPROVED FOR CHAPTER 633 FIRE SAFETY CODE AND IS SUBJECT TO REVIEW AND INSPECTION BY FIRE INSPECTOR ON SITE.
9. BUILDINGS IN COASTAL AREAS THAT ARE SUBJECT TO SALT WATER SPRAY SHALL HAVE THE CONCRETE AT A MINIMUM OF 5000PSI @ 28 DAYS.
10. PLACEMENT OF THE PROJECT DATA PLATE AND THE DBPR INSIGNIA MUST BE ON OR NEAR THE MAIN ELECTRICAL PANEL.
11. THESE STRUCTURES ARE NOT DESIGNED OR APPROVED FOR PLACEMENT IN HIGH-VELOCITY HURRICANE ZONES (HVHZ), IE. DADE OR BROWARD COUNTIES.
12. THESE STRUCTURES HAVE BEEN DESIGNED FOR ERECTION OR INSTALLATION ON A SITE-BUILT PERMANENT FOUNDATION AND IS NOT DESIGNED TO BE MOVED ONCE SO ERECTED OR INSTALLED.
13. MODULAR CONNECTIONS FLORIDA CERTIFICATION ID MFT-4193.
14. THESE STRUCTURES ARE NOT DESIGNED FOR FLOOD HAZARD AREAS.
15. THIS BUILDING IS NOT DESIGNED FOR OCCUPANCY EXCEPT FOR SHORT DURATIONS OF MONITORING, SERVICE, OR MAINTENANCE OF EQUIPMENT ONLY.

LIGHTING IS FOR THE SAFETY AND SECURITY OF THE OCCUPANT(S) DURING THESE SHORT DURATIONS WHILE WORKING ON EQUIPMENT. THE 2023 FECC C4053231 REQUIREMENT FOR OCCUPANCY SENSOR CONTROLS WOULD NOT BE APPLICABLE. C101.3 2023 FECC STATES THAT THE INTENT IS NOT TO ABRIDGE SAFETY, HEALTH, OR ENVIRONMENTAL REQUIREMENTS CONTAINED IN OTHER APPLICABLE CODES OR ORDINANCES. SECTION 110.26 NEC 2020 SUBSECTION (D) STATES ILLUMINATION SHALL BE PROVIDED FOR ALL WORKING SPACES ABOUT SERVICE EQUIPMENT, SWITCHBOARDS, SWITCHGEAR, PANELBOARDS, OR MOTOR CONTROL CENTERS INSTALLED INDOORS AND SHALL NOT BE CONTROLLED BY AUTOMATIC MEANS ONLY.

SITE WORK, FOUNDATION CONSTRUCTION, BUILDING CONNECTIONS TO UTILITIES, ETC. ARE NOT INSPECTED BY A THIRD PARTY. THESE ITEMS ARE SUBJECT TO CODE REVIEW/COMPLIANCE WITH THE AUTHORITY(S) HAVING JURISDICTION.

STATE: FLORIDA



Tammy C. Storey

No. <input type="text" value="85594"/>	Revision Description
MODULAR CONNECTIONS	
1090 Industrial Blvd. Bessemer, AL 35022 Ph# 205-980-4565 Email: info@modularconnections.com	
© MODULAR CONNECTIONS, LLC All Rights Reserved	
Title: PATTERSON & DEWAR - 12' x 20' x 9'-9" IH	
Site: FORT WHITE, FLORIDA	
Drawn By: KML	Checked By: CLP
Project Manager: CLP	Date: 08/30/24
Drawing Number: D22119	
Sheet Name: PROJECT DATA	
Project Number: MCP1410 - MC5116	
Sheet Number: G0.1	

NOTICE: These drawings and specifications are the property of Modular Connections, LLC. All information contained herein which is not known generally in the field of Modular Connections, LLC shall be confidential except to any extent to which it is established to have been previously from sources other than Modular Connections, LLC. These drawings and specifications may not be reproduced, copied or used as the basis for the manufacture or sale of apparatus without written permission.

These prints comply with the Florida Manufactured Building Act and adopted Codes and adhere to the following criteria:
APPROVED BY
NIA INC.

Const. Type: VB
Occupancy: S2
Act and adopted Codes and adhere to the following criteria:
Allowable No. of Floors: 1
Wind Velocity: 150 MPH Vult
Fire Rating of Ex. Walls: 0
Ex. Walls: 0
File No.: MCP1410-MC5116
Allow. Floor Load: 200
Approval Date: 5/1/2025
Manufacturer: Modular Connections LLC

one quarter inch = one foot
0 4 8

three eighths inch = one foot
0 4

one half inch = one foot
0 4

three quarters inch = one foot
0 2

GENERAL SPECIFICATIONS

1. SCOPE

- A. THE SPECIFICATIONS CONTAINED HEREIN ENCOMPASS THE LABOR, EQUIPMENT AND MATERIALS FOR THE FABRICATION OF A TRANSPORTABLE, BULLET RESISTANT, VANDAL RESISTANT CONCRETE EQUIPMENT BUILDING.
- B. THE BUILDING SHALL WITHSTAND 30/06 RIFLE FIRE AT 15' DISTANCE PER UL752 STANDARDS.

2. GENERAL

- A. BUILDING TYPE:
 - a. THE BUILDING SHALL BE PRECAST, PRE-ASSEMBLED CONCRETE.
- B. BUILDING SIZES:
 - a. PER BUILDING SIZE SCHEDULE.
- C. OPERATING ENVIRONMENT:
 - a. THE BUILDING SHALL BE SEALED TO RESIST DUST INFILTRATION AND BE WATERTIGHT.
- D. DESIGN LOADING:
 - a. SEE SHEET G0.1.
- E. LOCATE STATE DECAL AT LOAD DISTRIBUTION PANEL.

3. SEALING

- A. JOINTS:
 - a. ALL JOINTS SHALL BE SEALED WITH A COMPRESSIBLE, RESILIENT SEALANT.
 - b. THERE SHALL BE NO EXPOSED ROOF TO WALL OR WALL TO FLOOR JOINTS.
- B. EXTERIOR WALLS AND ROOF:
 - a. EXTERIOR SURFACES OF WALLS AND ROOF SHALL BE SEALED WITH TWO COATS OF THOROGLAZE H SEALER, OR ACCEPTABLE EQUAL IN STRICT CONFORMANCE WITH MANUFACTURER'S INSTRUCTIONS.

4. THERMAL

- A. THERMAL INSULATION REQUIREMENTS SHALL MEET THE MINIMUM REQUIREMENT PER DESIGN CODES ON SHEET G0.1.
- B. ADDITIONAL REQUIREMENT REFER TO INTERIOR FINISH SHEETS.

5. DOOR

- A. GENERAL:
 - a. DOOR OPENING 4'-0"W X 7'-0"H.
- B. FRAME:
 - a. SHALL BE MINIMUM 1 3/4" 18 GAUGE GALVANIZED STEEL, PRIMED, PAINTED, AND CAST INTO THE WALL PANEL.
- C. DOOR:
 - a. SHALL BE MINIMUM 1 3/4" 18 GAUGE GALVANIZED STEEL, INSULATED, PRIMED, PAINTED, AND INSTALLED FLUSH.
- D. HARDWARE:
 - a. INSTALLED WITH DOOR CHECK, DOOR STOP, WEATHER STRIPPING, MORTISE LOCKSET, AND STAINLESS STEEL BALL BEARING HINGES.
- E. ADDITIONAL REQUIREMENTS REFER TO WALL PANEL SHEETS.
- F. OPTIONAL BULLET RESISTANT, FIRE RESISTENT, ETC. DOOR ASSEMBLIES ARE AVAILABLE.

6. INTERIOR FINISHES:

- A. SEE INTERIOR FINISH SHEETS.

7. STRUCTURAL

- A. STRUCTURAL DESIGN AND MANUFACTURING SHALL CONFORM TO REQUIREMENTS OF ACI 318.
- B. BUILDING CONCRETE SPECIFICATIONS:
 - a. 28 DAY COMPRESSIVE STRENGTH SHALL BE 5000 PSI.
 - b. MIX DESIGN SHALL BE 118 LB./CU.FT. STRUCTURAL LIGHTWEIGHT CONCRETE USING EXPANDED SHALE OR EXPANDED CLAY AGGREGATE. MIX SHALL BE HOMOGENOUS. SEEDING OF AGGREGATES FOR EXPOSED AGGREGATE FINISH IS NOT ALLOWED.
 - c. MAXIMUM SLUMP SHALL BE 6".

C. MATERIALS SPECIFICATIONS:

- a. CEMENT USED IN CONCRETE SHALL BE STANDARD PORTLAND CEMENT CONFORMING TO THE REQUIREMENTS OF THE "STANDARD SPECIFICATIONS FOR PORTLAND CEMENT," ASTM DESIGNATION C150.
- b. CONCRETE AGGREGATES SHALL CONFORM TO ONE OF THE FOLLOWING SPECIFICATIONS:
 - "SPECIFICATIONS FOR CONCRETE AGGREGATES," ASTM DESIGNATION: C33.
 - "SPECIFICATIONS FOR LIGHTWEIGHT AGGREGATES FOR STRUCTURAL CONCRETE," ASTM DESIGNATION C330.
 - "SPECIFICATIONS FOR STRUCTURAL STEEL" ASTM DESIGNATION A36.
- WATER SHALL BE FREE FROM INJURIOUS QUANTITIES OF OIL, ALKALI, VEGETABLE MATTER AND SALT. NON-POTABLE WATER SHALL NOT BE USED IN MIXING CONCRETE.
- REINFORCEMENT BARS SHALL BE DEFORMED STEEL BARS CONFORMING TO THE REQUIREMENTS OF THE "SPECIFICATIONS FOR DEFORMED AND PLAIN BILLET-STEEL BARS FOR CONCRETE REINFORCEMENT," ASTM DESIGNATION: A615. (FY = 60 KSI)
- ALL WELDING AND WELDED STUDS SHALL CONFORM TO THE REQUIREMENTS OF THE "STRUCTURAL WELDING CODE-STEEL" ANSI/AWS D1.1.
- ALL WELDING ELECTRODES SHALL BE E70XX. FOR SHIELDED METAL ARC WELDING (SMAW) USE LOW HYDROGEN ELECTRODES.
- ALL WELDING WIRE SHALL BE 0.035 MIG WIRE FOR GAS METAL ARC WELDING (GMAW).
- WELDED SMOOTH WIRE FABRIC SHALL BE STEEL WIRE FABRIC CONFORMING TO THE REQUIREMENTS OF THE "SPECIFICATIONS FOR WELDED STEEL WIRE FABRIC FOR CONCRETE REINFORCEMENT," ASTM DESIGNATION: A185.
- ADMIXTURES SHALL BE SUBJECT TO PRIOR APPROVAL BY THE QUALITY CONTROL SUPERVISOR AND SHALL MAINTAIN THE SAME COMPOSITION AND PERFORMANCE INTENDED IN THE ORIGINAL MIX DESIGN.
- AIR-ENTRAINING ADMIXTURES SHALL CONFORM TO "SPECIFICATIONS FOR AIR-ENTRAINING ADMIXTURES FOR CONCRETE" ASTM DESIGNATION: C260.
- WATER REDUCING ADMIXTURES, RETARDING ADMIXTURES, ACCELERATING ADMIXTURES, WATER REDUCING AND RETARDING ADMIXTURES, AND WATER REDUCING AND ACCELERATING ADMIXTURES SHALL CONFORM TO "SPECIFICATIONS FOR CHEMICAL ADMIXTURES FOR CONCRETE," ASTM DESIGNATION: C494.

D. FLOOR PANEL:

- a. SHALL BE AN 8" WAFFLED STRUCTURAL PRECAST CONCRETE SYSTEM.
 - RIBS SHALL BE 2'-0"O.C. MAXIMUM TRANSVERSE.
 - FLOOR SLAB SHALL BE 2".
- b. ALL SURFACES SHALL BE SMOOTH AND PREPARED FOR FINISH(S).
- c. SEE FLOOR PANEL SHEETS FOR ADDITIONAL REQUIREMENTS.

E. ROOF PANEL:

- a. SHALL BE STRUCTURAL PRECAST CONCRETE WITH A MINIMUM EDGE THICKNESS OF 4".
- b. ROOF SHALL BE HIP TYPE SLOPING 1/4" PER FOOT IN FOUR DIRECTIONS.
- c. SHALL BE PROVIDED WITH A 3/4" RECESSSED KEYWAY FOR TOP OF WALL PANEL LEAVING NO EXPOSED ROOF TO WALL JOINT.
- d. SHALL PROVIDE A 2" MAXIMUM OVERHANG ON ALL SIDES UNLESS NOTED OTHERWISE.
- e. SEE ROOF PANEL SHEETS FOR ADDITIONAL REQUIREMENTS.

F. WALL PANELS:

- a. SHALL BE 4" THICK STRUCTURAL PRECAST CONCRETE.
- b. EXTERIOR FINISH SHALL BE EXPOSED AGGREGATE UNLESS OTHERWISE NOTED.
- c. INTERIOR SURFACES SHALL BE SMOOTH AND PREPARED FOR FINISH(S).
- d. WALL PANELS SHALL OVERHANG THE TOP FLOOR A MINIMUM OF 7" LEAVING NO EXPOSED WALL TO FLOOR JOINT.
- e. SEE WALL PANEL SHEETS FOR ADDITIONAL REQUIREMENTS.

8. ELECTRICAL SYSTEM

- A. INSTALLATION AND WIRING:
 - a. SHALL CONFORM TO THE REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE PER DRAWING G0.1.
 - b. SYSTEMS SHALL BE INSTALLED PER MANUFACTURER'S WRITTEN INSTRUCTIONS.

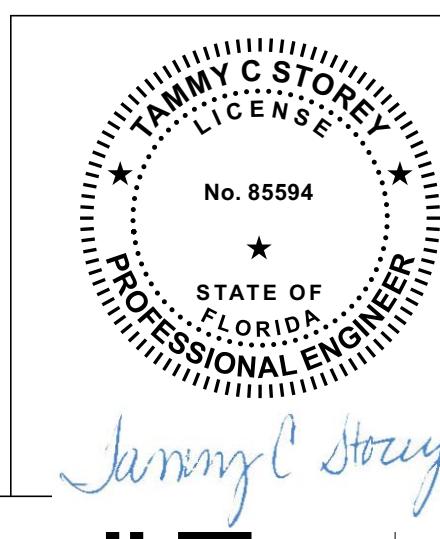
9. MECHANICAL SYSTEM(S)

- A. INSTALLATION AND WIRING:
 - a. WHEN SUPPLIED, SHALL CONFORM TO THE REQUIREMENTS OF THE APPLICABLE CODE(S) PER DRAWING G0.1.
 - b. SYSTEMS SHALL BE INSTALLED PER MANUFACTURER'S WRITTEN INSTRUCTIONS.

These prints comply with the
Florida Manufactured Building
Act and adopted Codes and
adhere to the following criteria:

APPROVED BY

Concrete Type: VB
Occupancy: S2
Allowable No. of Floors: 1
Wind Velocity: 150 MPH Veh.
Fire Rating of Ext. Walls: 0
Plan No.: MCP1410
Allow. Floor Load: 700
Approval Date: 5/1/2025
Manufacturer: Modular Connections, LLC

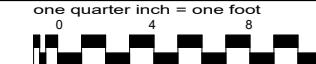


No. ▲ Revision Description ▲ Date ▲ By

MODULAR CONNECTIONS
1090 Industrial Blvd.
Bessemer, AL 35022
Ph# 205-980-4565
Email: info@modularconnections.com
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Title: PATTERSON & DEWAR - 12' x 20' x 9'-9" IH
Site: FORT WHITE, FLORIDA

Drawn By: KML Checked By: CLP Project Manager: CLP Date: 08/30/24
Drawing Number: D22119
Sheet Name: GENERAL SPECIFICATIONS
Project Number: MCP1410 - MC5116 Sheet Number: G0.2
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EQUIPMENT LIST

ITEM#	QTY.	PART#	MODEL#	DESCRIPTION
1	2	ES1070	SG-5	HVAC GRILLE, SG-5 3-1/2-6 TON SPPLY 30" X 10" ALUM BARD
2	2	ES1069	RG-5	HVAC GRILLE, RG-5 3-1/2-6 TON RETURN 30" X 16" ALUM BARD
3	1	ES17441	AX12-2	FAN, 12" EXHAUST W/ SHTR 115V 1.8 FLA 1640-1390 CFM SNGL SPEED 14" X 14" RO CANARM # AX12-2
4	4	ES1615	SB-2107YZ	CABLE RACK, 1-1/2" SPLICE KIT (1-PAIR)
5	8	ES1618	CC12	CABLE RACK, 1-1/2" 90 DEG TEE
6	11	ES21883	ACB1SZY	CABLE RACK, AUX CABLE BRCKT
7	1	ES24594	P1X54MC400CT	PANELBOARD, 400A 208/120V 3PH 54POS COPPER BUS
8	1	ES24531	P1A42MC250CT	PANELBOARD, 250A 120/240V 1PH 42P
9	1	N/A	CUSTOMER SUPPLIED	FIRE ALARM CONTROL PANEL
10	1	ES14448	E9802CN-CAR	COVER PLATE, 4X4 BLANK PVC W/ GASKET CARLON
11	1	ES11288	58351-1/2	BOX, 2X4 1-7/8" DEEP X 4" W/ 1/2" KO'S
12	1	ES11478	SC 68-C-1	COVER PLATE, 2X4 BLANK HANDY BOX
13	12	ES191	5362I	RECEPTACLE, 20A 120V DPLX IVORY (STD)
14	1	ES20135	P-10GWR	RECEPTACLE, 20A 120V DPLX GFCI IN NEMA 3R ENCLOSURE
15	1	ES24795	100-37S-GRY-24	DOOR CONTACT, SPDT MAGNETIC GRAY COLOR 23" LEAD FLAIR
16	1	ES15413	MC4002-BC	HVAC CONTROLLER, BARD MC4002-BC ENHANCED ALARMS W/ ETHERNET CNNCTN
17	1	ES24444	VW150I	LIGHT, 150W EXT VAPORTIGHT W/GLOBE & GUARD LITHONIA
18	1	ES3745	MG424U-K	GROUND PLATE, 1/4" X 4" X 24" 110 ALLOY CU W/ INSLTRS & BRCKTS
19	5	ES25699	F2PCLB12	FIBERGUIDE, TWO PIECE BRCKT ATTCHS TO CABLE RACK 1/2" ROD PANDUIT # F2PCLB12
20	5	ES17311	CTAP4/0-2-XCTAP4/0-4 /0-X	CMPRSSN FTNG, C-TAP #4/0 - # 2 HEAVY WALL BRNDY #YC28C2 PNDT CTAP4/0-2-X
21	2	PENDING	YCHC29TC2	CMPRSSN FTNG, C-TAP #4/0 - 2 AWG
22	1	ES1975P	C-44-90LP	WIRE DUCT, 4" ELBOW 90 DEG NEMA 1 SCRW CVR PAINTED
23	5	ES1474P	C-44-UCP	WIRE DUCT, 4" COUPLING NEMA1 PAINTED C&I #C-44-UCP
24	3	ES1475P	C-44-ECP	WIRE DUCT, 4" END CAP NEMA 1 PAINTED C&I #C-44-ECP
25	5	ES24336	See Part NumberFTR4X4YL	FIBERGUIDE, 4X4 TEE TRUMPET 3 SIDED PANDUIT YELLOW FIBERRUNNER
26	9	ES12411	RRMP1000C9	TYRAP, MOUNTING BASE
27	1	N/A		ENCLOSURE, 18"H X 18"W X 4"D NEMA 1 SCREW COVER GALV
28	1	ES13494	1A491	RELAY, 120VAC SIDE FLANGE 25A CONTACTS DPDT
29	1	ES6017UHB		DOOR, 4070 18GA GALV UH BLANK PREP EXIT & CLSR REINFORCED CECO LOCATIONS PRIME PAINT
30	5	ES1166DM	904	DOOR MUTE, RUBBER SILENCER BUMPER PRESS IN FIT
31	2	ES14426	7100-BC-DSHO-689	DOOR CLOSER, PDQ HEAVY DUTY PARALLEL STOP / THMB TRN HOLD OPEN
32	2	ES12446	1871A65	HANDLE, ROUND GRIP PULL (STD)
33	1	ES21807	6 EW PHIL-08-626-SF7L	LOCKSET, PANIC PDQ TRIM LEVER WIDE STILE 6200 DEVICE CLSSRM FNCTN SFIC 7-PIN LC PDQ # 6 EW PHIL-08-626-SF7L
34	1	ES20346	ES20346	LOCKSET, CORE SFIC 7 PIN H KEYWAY BITTED TO A1
35	1	ES21111	4200RA 689	LOCKSET, PANIC PDQ 3'2"- 4'0" DOOR SS PDQ
36	1	ES22689	7000 783S-630	LOCKSET, STRIKE ELECTRIC RIM PANIC RECESS MNT 12/24VDC FAIL SEC/SAFE
37	1	ES11771RES		DOOR FRAME, 4070 RHR 16GA GALV 4" DEPTH SNGL RBBT MSNRY CLSR RNFRCD PREP FOR HES 7000 783S-630 ELE STRIKE W/ MUD BOX SW HINGE CECO LOC NO ANCHRS WELDED PRIME PAINTED16,
38	5	N/A	N/A	RELAY TOWER (CUSTOMER SUPPLIED)
39	5	ES24268	FR6TRBN58	FIBERGUIDE, AUX BRACKET 6X4 & 4X4 FIBERRUNNER USE W/THRD ROD PANDUIT # FR6TRBN58
40	1	ES2164B	S66 M1-50	TERMINAL BLOCK, 50PT
41	2	ES25292	RT-100-W	TIMER, DIGITAL PRGRMBL COUNTDOWN W/ FLASH WARNING WHITE
42	1	ES693	2001	PHOTOCELL, 15A 120V W/ 180 DEG SWIVEL 1/2" BASE
43	1	ES23886	ECRG SQ M6	LIGHT, EMERGENCY/EXIT COMBO LED 120/277 BATT B-UP RED LTTRS
44	6	ES20786	GUS4-36NW/D10	LIGHT, 4" LED 36W 120/277 SURFACE MNT WRAP 4000K 4437 LMNS RAB GUS4-36NW/D10
45	1	ES25638	565176	BULB, 13.5W LED A19 2700K 100W EQUAL
46	1	ES4471G	ES4471G	DOOR AWNING, 56" X 24" FRP MINDFUL GRAY
47	2	ES22819	WT2AC-B09XP4XXJ	HVAC, 6.0T 10EER 208V/3PH/60HZ 09KW I HEAT BUCKEYE GRAY BARD
48	1	ES20107	B84XXR-G	SURGE ARRESTOR, A.C. DATA
49	1	ES15830		PLATE, .125 ALUM16" X 34" MILL FINISH
50	1	ES18822		PLATE, .125 ALUM 12" X 12" MILL FINISH
51	2	ES4035	11340	FIRE EXTINGUISHER, 10# ABC
52	1	ES12627	G1731195	EYEWASH STATION, 32-OZ DUAL BOTTLES WALL MNT HONEYWELL
53	1	ES12786	C-242412RB	ENCLOSURE, 24"H X 24"X 12"D NEMA 3R PAINTED
54	1	ES24154		PLATE, .125 ALUM 20" X 34" 3003 ALLOY MILL FINISH
55	1	PENDING	WDV-75	LOUVER, INTAKE 15" X 15" FIXED EXTERIOR UNITED ENERTECH
56	1	ES23877		BUSHING, 1-1/4" EMT PRESS FIT INSULATING
57	1	ES17627	HDG-DR	GAS DETECTOR, HYDROGEN 115VAC WITH DUAL ALARM CONTACTS
58	2	ES18792G	ES18792G	HOOD, 22" FIBERGLASS FRP LARGE 16" x 17" RECTANGULAR OPENING MINDFUL GRAY
59	2	ES18795	ES18795	SCREEN, 18" X 18" COMBINATION W/ALUMINUM INSECT SCREEN INSERT
60	1	ES27315	45C683	LOUVER, MOTOR 120/240V FOR SINGLE PANEL POWER OPEN 10"-36"
61	2	ES24805	469V14	SIGN, "FIRE EXTINGUISHER" 14" X 4" ALUM
62	32	ES2504	YA6C2TC14	CRIMPCON, #6 2H 1/4" X 5/8" CTC LNG BARREL BLUE DIE NO WNDW BRNDY #YA6C2TC14 PNDT LCC6-14A-L SP1 GL610B (BUCKET 250 PCS)
63	2	ES11310	2IH5S2-1	BOX, 4X4 X 2"D EXT 5 1/2" HUBS
64	1	ES190	1221I	SWITCH, 20A 120-277V SPST TGGL IVORY
65	2	ES11368P		PIPE PLUG, 1/2" PVC SCH 40 WHT MALE NPT HEX HEAD
66	1	N/A		RELAY TOWER (CUSTOMER SUPPLIED)
68	1	ES15126		PLATE, .125 ALUM 6" X 9" MILL FINISH
69	1	ES11830	E986G	ELBOW, 1-1/4" LB W/CVR & GASK PVC CARLON # E986G
70	1	ES12241P	C-44-TP	WIRE DUCT, 4" TEE NEMA 1 SCRW CVR PAINTED
71	5	ES22167	See Part NumberFRVT4X4YL	FIBERGUIDE, 4X4 TEE VERTICAL YELLOW FIBERRUNNER
72	10	ES22165	See Part NumberFRBC4X4YL	FIBERGUIDE, 4X4 COUPLER QUICKLOCK YELLOW FIBERRUNNER PANDUIT #

EQUIPMENT LIST

ITEM#	QTY.	PART#	MODEL#	DESCRIPTION
73	2	ES14165	2CCB-FS	COVER PLATE, 4X4 BLANK BOX MOUNT CAST EXTERIOR
74	2	ES22310	329254	CRIMPCON, #10-12 AWG TO CU FOIL AMP TERMI-FOIL # 329254
75	5	ES24397	YAV28L2TC14FX	CRIMPCON, #4/0 FLEX 2H 1/4" X 5/8" CTC PURPLE DIE BURNDY #
76	2	ES23976	241119.105.VC	DC POWER SYSTEM, RECTIFIER 48V 3000W
77	1	ES1420F	20-123-48	FIKE, HORN/STROBE WALL MOUNT SELECTABLE RED/WHT
78	1	ES26276	SIGA-270	FIKE, SNGL ACTION PULL STATION W/HEX WRNCH LCK FIKE # 20-1060
79	3			CUSTOMER SUPPLIED SMOKE DETECTOR CUSTOMER SUPPLIED MC INSTALLED

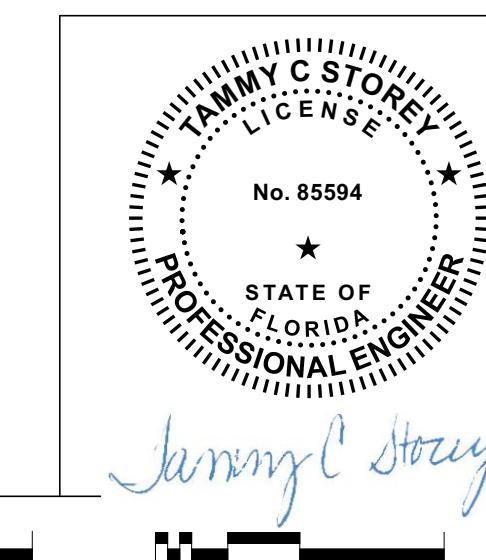
These prints comply with the
Plastic Manufactured Building
Act and adopted Codes and
adhere to the following criteria:

Const. Type: VB
Occupancy: S2
Allowable No. of Floors: 1
Wind Velocity: 150 MPH Volt
Fire Rating of Ext. Walls: 0
Plan No.: A141-4193-MCP1410
Allow. Floor Load: 200
Approval Date: 5/1/2025
Manufacturer: Modular Connections, LLC



ELECTRICAL/MECHANICAL NOTES:

- MAIN DISCONNECT GROUND WIRE MUST BE ATTACHED TO GROUNDING SYSTEM BEFORE APPLYING POWER.
- ALL WIRE AMPACITIES BASED ON TABLE 310-16 NEC, 310-15(b)(2)(a). ALL WIRE IS RATED AT 90°C W/ 75° CRATED LUGS. CONDUIT FILL BASED ON ANNEX C NEC (TABLE C1).
- ALL SERVICE ENTRANCE EQUIPMENT SHALL BE LISTED FOR IT'S USE.
- LOCAL BUILDING OFFICIALS: ALL THE ITEMS THAT ARE NOT COVERED IN THE APPROVAL PROCESS ARE TO BE SITE INSTALLED. ALL SITE INSTALLED ITEMS ARE SUBJECT TO LOCAL REVIEW, APPROVAL, AND INSPECTION PROCESS.
- MOUNT GROUND CLAMP TO SIDE OF CABLE TRAY WITH WIRE LAYING ON RUNGS AND TYRAP TO EVERY OTHER RUNG.
- RUN 18 AWG THHN STRANDED COPPER FOR ALARM WIRES. COIL AND TAG DOOR CONTACTS AND SMOKE DETECTORS. COIL UP 40FT OF ALARM WIRES IN LIQUID TIGHT NON-METALIC FLEXIBLE CONDUIT ON CABLE TRAY FOR CUSTOMER CONNECTION. ALARMS TO BE WIRED N/O.
- USE UNISTRUT ON BOTTOM OF CABLE TRAY.
- ANY CHEMICALS TO BE STORED IN THIS BUILDING SHALL NOT EXCEED AMOUNT LISTED IN TABLES 307.1 AND 307.1(2) OF THE IBC.
- IF BATTERIES WITH AN ELECTROLYTE CAPACITY OF MORE THAN QUANTITIES SHOWN IN 2021 IFC TABLE 1207.1.1 ARE TO BE INSTALLED WITHIN THIS BUILDING, ONE OF THE FOLLOWING ALTERNATIVES MUST ALSO BE INSTALLED: 1.) AN EXHAUST FAN WITH A HYDROGEN LIMIT SWITCH SO AS TO LIMIT THE HYDROGEN TO 1% OF THE TOTAL VOLUME OF THE ROOM; OR 2.) CONTINUOUS VENTILATION SHALL BE PROVIDED AT A RATE NOT LESS THAN 1 CUBIC FOOT PER MINUTE PER SQUARE FOOT OF FLOOR AREA OF ROOM.
- ALL NEUTRALS AFTER MAIN DISCONNECT SHALL BE ISOLATED FROM GROUND.



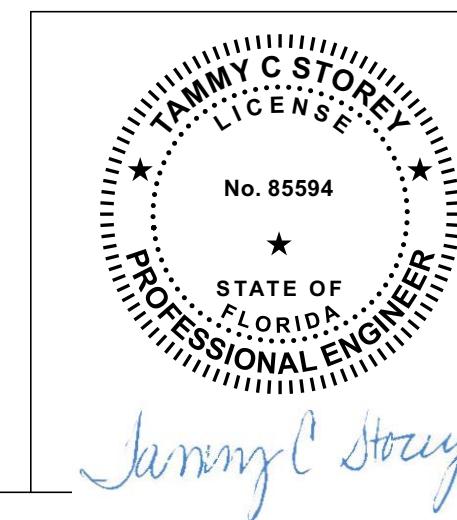
No. ▲	Revision Description	▲ Date	▲ By
 1090 Industrial Blvd. Bessemer, AL 35022 Ph# 205-980-4565 Email: info@modularconnections.com © MODULAR CONNECTIONS, LLC All Rights Reserved			
Title: PATTERSON & DEWAR - 12' x 20' x 9'-9" IH			
Site: FORT WHITE, FLORIDA			
Drawing By:	Checked By:	Project Manager:	Date:
ACF	CLP	CLP	08/30/24
Drawing Number: D22119			
Sheet Name: EQUIPMENT LIST			
Project Number: MCP1410 - MC5116 Sheet Number: EP0.3			

ELECTRICAL ABBREVIATIONS & SYMBOLS LEGEND

ABBREVIATIONS	ABBREVIATIONS (CONT.)	BASIC MATERIALS	FIRE ALARM / DETECTION / SUPPRESSION	LIGHTING
A/C AIR CONDITIONING AC ALTERNATING CURRENT ACP AC PANELBOARD ABV ABOVE ADA AMERICANS WITH DISABILITIES ACT AFF ABOVE FINISHED FLOOR AFG ABOVE FINISHED GRADE AHU AIR HANDLING UNIT AIC AMPERE INTERRUPTING CAPACITY AL ALUMINUM AMP AMPERE ANSI AMERICAN NATIONAL STANDARDS INSTITUTE ASA AMERICAN STANDARDS ASSOCIATION AT AMPERE TRIP ATS AUTOMATIC TRANSFER SWITCH AUX AUXILIARY AWG AMERICAN WIRE GAUGE BC BARE COPPER BKR BREAKER CAB CABINET CKT CIRCUIT CB CIRCUIT BREAKER CATV CABLE TELEVISION CCTV CLOSED CIRCUIT TELEVISION CLG CEILING COAX COAXIAL CABLE COND CONDUCTOR CONN CONNECTION CPU CENTRAL PROCESSING UNIT CT CURRENT TRANSFORMER CU COPPER CW COLD WATER DC DIRECT CURRENT DCP DC PANELBOARD DEG DEGREE DF DEMAND FACTOR DISC DISCONNECT DN DOWN DPST DOUBLE THROW SINGLE THROW EMT ELECTRICAL METALLIC CONDUIT EOL END OF LINE EOR ENGINEER OF RECORD EWC ELECTRIC WATER COOLER EXT EXTERIOR FA FIRE ALARM FAAP FIRE ALARM ANNUNCIATOR PANEL FATC FIRE ALARM TERMINATION CABINET FCU FAN CONTROL UNIT FLA FULL LOAD AMPERES FPU FAN POWER UNIT FT FEET GF GROUND FAULT GFA GROUND FAULT ALARM GFCI GROUND FAULT CIRCUIT INTERRUPTER GND GROUND HP HORSEPOWER HOA HAND-OFF-AUTO HORZ HORIZONTAL IBC INTERNATIONAL BUILDING CODE IECC INTERNATIONAL ENERGY CONSERVATION CODE IMC INTERMEDIATE METALLIC CONDUIT IN INCHES IT INSTANTANEOUS TRIP J-BOX JUNCTION BOX KCMIL ONE THOUSAND CIRCULAR MILS KV KILOVOLT KVA KILOVOLT-AMPERES KW KILOWATT KWH KILOWATT HOURS LBS POUNDS LC LIGHTING CONTACTOR LED LIGHT-EMITTING DIODE LP LIGHTNING PROTECTION LT LIGHT LTG LIGHTING	LV LOW VOLTAGE MAX MAXIMUM MCA MINIMUM CIRCUIT AMPERES MCB MAIN CIRCUIT BREAKER MDP MAIN SERVICE DISTRIBUTION PANEL MIN MINIMUM MLO MAIN LUG ONLY MOCP MAXIMUM OVERCURRENT PROTECTION MSB MAIN SERVICE SWITCHBOARD MTD MOUNTED MTG MOUNTING MTR MOTOR MTS MANUAL TRANSFER SWITCH NC NORMALLY CLOSED NEC NATIONAL ELECTRIC CODE NEMA NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION NEU NEUTRAL NFPA NATIONAL FIRE PROTECTION ASSOCIATION NIC NOT IN CONTRACT NF NON-FUELED NL NON-LINEAR NO NORMALLY OPEN / NUMBER OL OVERLOAD OSHA OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION P POLE PB PULLBOX PF POWER FACTOR PNL PANEL PRI PRIMARY PVC POLYVINYL CHLORIDE PWR POWER REC RECEPTACLE REF REFRIGERATOR RGS RIGID GALVANIZED STEEL CONDUIT RMS ROOT-MEAN-SQUARE RPM REVOLUTIONS PER MINUTE RTU ROOF TOP UNIT SCA SHORT CIRCUIT AMPERES SD SMOKE DETECTOR SEC SECONDARY S/N SOLID NEUTRAL SPD SURGE PROTECTION DEVICE SPEC SPECIFICATIONS SPKR SPEAKER SPST SINGLE POLE SINGLE THROW SS STAINLESS STEEL SST SOLID STATE TRIP STT SHORT TIME TRIP SUB SUBFEED BRANCH PANEL SW SWITCH SWBD SWITCHBOARD SWGR SWITCHGEAR TEL TELEPHONE TYP TYPICAL UG UNDERGROUND UON UNLESS OTHERWISE NOTED UL UNDERWRITERS LABORATORIES UTIL UTILITY V VOLT VA VOLT-AMPERE VAR VOLT-AMPERE REACTIVE VAV VARIABLE AIR VOLUME VFD VARIABLE FREQUENCY DRIVE W WIRE WP WEATHERPROOF XFMR TRANSFORMER XFR TRANSFER	SYMBOL DESCRIPTION \$ SINGLE POLE SWITCH \$ 3 3-WAY SWITCH \$ 4 4-WAY SWITCH \$ D DIMMER SWITCH \$ DS DOUBLE POLE SINGLE THROW SWITCH \$ DD DOUBLE POLE DOUBLE THROW SWITCH \$ K KEYED SWITCH \$ OS OCCUPANCY SENSOR SWITCH \$ TIMED SWITCH \$ SIMPLEX RECEPTACLE \$ DUPLEX RECEPTACLE \$ TWO DUPLEX RECEPTACLES (QUAD) WITH COMMON COVERPLATE \$ DUPLEX RECEPTACLE WITH TWO USB PORTS \$ TWO DUPLEX RECEPTACLES (QUAD) WITH TWO USB PORTS & COMMON COVERPLATE \$ GFCI RECEPTACLE \$ IN-USE WEATHERPROOF GFCI RECEPTACLE \$ TWO GFCI DUPLEX RECEPTACLES (QUAD) WITH COMMON COVERPLATE \$ SPECIAL PURPOSE RECEPTACLE, NEMA CONFIGURATION AS NOTED \$ DUPLEX RECEPTACLE, CEILING MOUNTED \$ TWO DUPLEX RECEPTACLES (QUAD) WITH COMMON COVERPLATE, CEILING MOUNTED \$ SPECIAL PURPOSE RECEPTACLE, CEILING MOUNTED, NEMA CONFIGURATION AS NOTED \$ MOTORIZED LOUVER \$ GROUND \$ GND GROUND BUS BAR, COPPER \$ SPD SURGE PROTECTION DEVICE \$ H HYDROGEN DETECTOR \$ H ELECTRIC WALL HEATER, SURFACE MOUNTED \$ VVENT FAN, WALL MOUNTED	SYMBOL DESCRIPTION \$ SMOKE DETECTOR \$ H HEAT DETECTOR \$ P PHOTO-ELECTRIC DETECTOR \$ RESISTOR \$ EOL END OF LINE RESISTOR \$ A ABORT SWITCH \$ M MANUAL RELEASE SWITCH \$ X DISCONNECT SWITCH \$ B ALARM BELL \$ PS LOW PRESSURE SWITCH \$ D DISCHARGE PRESSURE SWITCH \$ F MANUAL PULL STATION \$ N GAS AGENT DISPERSION NOZZLE \$ F STROBE, WALL MOUNTED \$ F STROBE, CEILING MOUNTED OR VERTICALLY MOUNTED ON EXTERIOR MAST AND/OR JUNCTION BOX \$ T EXTINGUISHING AGENT CYLINDER TANK \$ FACP FIRE ALARM CONTROL PANEL \$ COMBINATION AUDIBLE & VISUAL ALARM (STROBE / SPEAKER), WALL MOUNTED \$ ALARM HORN ONLY	SYMBOL DESCRIPTION \$ LED OR FLUORESCENT FIXTURE, CEILING OR PENDANT MOUNTED \$ LED OR FLUORESCENT TROFFER LIGHT 2' X 4' \$ LED OR FLUORESCENT TROFFER LIGHT 2' X 2' \$ EMERGENCY TWIN-HEAD LIGHT WITH INTEGRAL BATTERY PACK, WALL MOUNTED \$ EXIT LIGHT, WALL MOUNTED (BLACK ARROW POINTS IN THE DIRECTION OF EGRESS) \$ LC LIGHTING CONTACTOR \$ V VAPOR-TIGHT WALL SCONCE (JELLY JAR) FIXTURE WITH LED A-19 BULB \$ EXTERIOR WALL LIGHT (WALLPACK, SCONCE, FLOOD)

ACCESS CONTROL / SECURITY

ACS	ACCESS CONTROL SYSTEM PANEL
CR	PREPARATION FOR FUTURE CARD READER
KP	KEY PAD
CK	COMBINATION KEY PAD & CARD READER
DPS	DOOR POSITION SWITCH (DOOR CONTACT OR LIMIT SWITCH)
ES	ELECTRIC STRIKE
ML	MAGNETIC LOCK
RD	REMOTE DOOR RELEASE BUTTON



No. 85594
TAMMY C. STOREY
LICENSE
STATE OF FLORIDA
PROFESSIONAL ENGINEER

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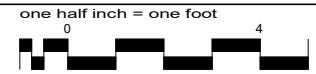
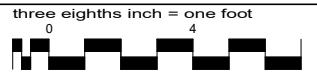
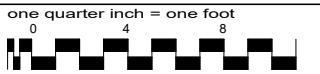
Title: PATTERSON & DEWAR - 12' x 20' x 9'-9" IH
Site: FORT WHITE, FLORIDA

Drawn By: ACF Checked By: CLP Project Manager: CLP Date: 08/30/24
Drawing Number: D22119

Sheet Name: ELECTRICAL ABBREVIATIONS & SYMBOLS LEGEND
Project Number: MCP1410 - MC5116 Sheet Number: EP0.4

Tammy C. Storey

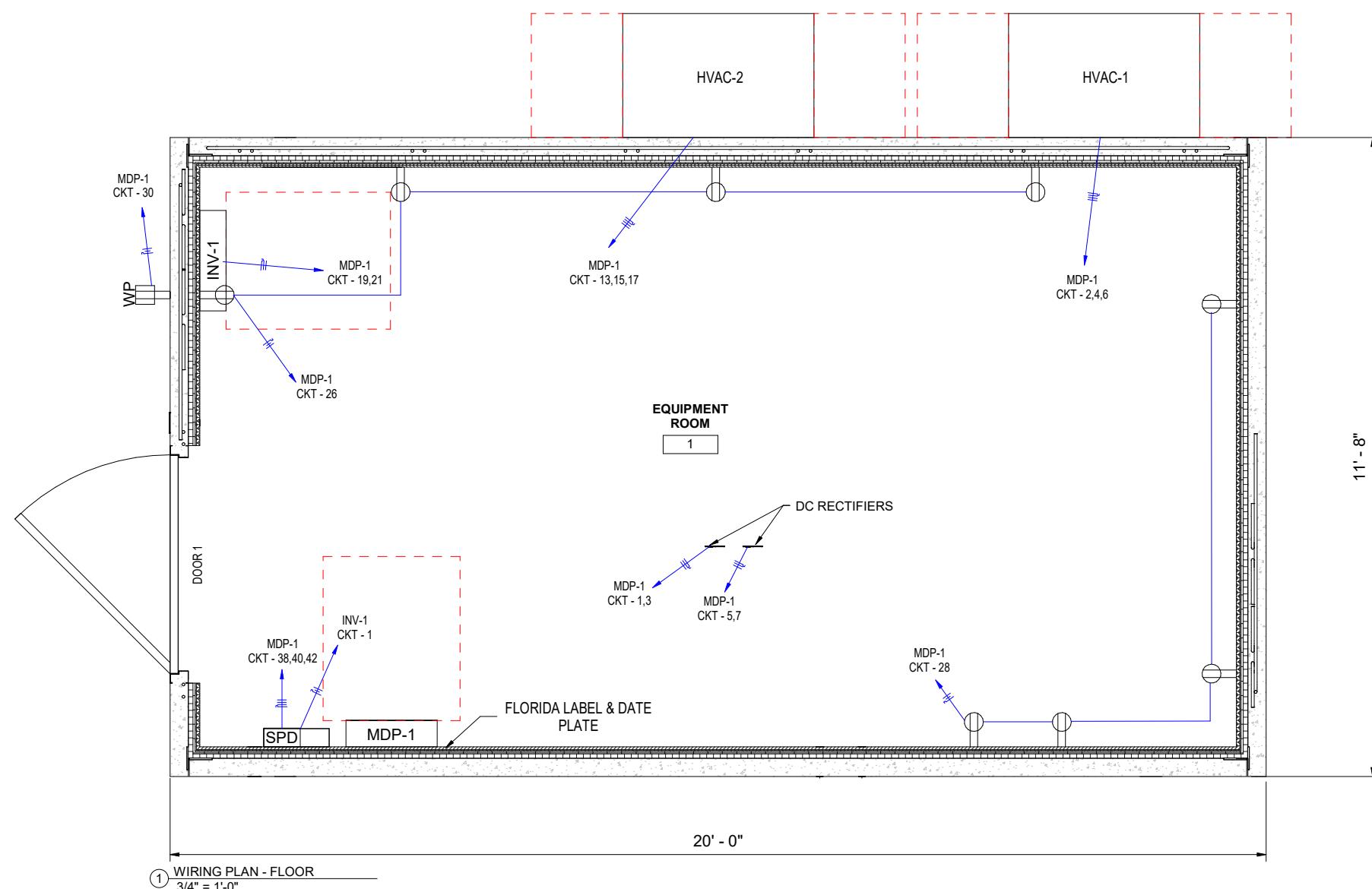
NOTE: SOME SYMBOLS AND/OR ABBREVIATIONS SHOWN ON THIS LEGEND MAY NOT PERTAIN TO THIS PROJECT



These prints comply with the Florida Manufactured Building Act and adopted Codes and adhere to the following criteria:

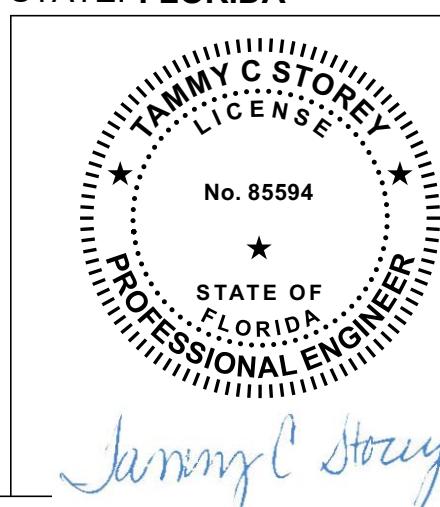
Const. Type: VB Occupancy: S2 Allowable No. of Floors: 1 Wind Velocity: 150 MPH Value Fire Rating of Ext. Walls: 0 Plan No.: MCP1410 Allsw. Floor Load: 200 Approval Date: 5/1/2025 Manufacturer: Modular Connections, LLC

APPROVED BY
NIA INC.



DOOR SCHEDULE		
ITEM #	PART #	DESCRIPTION
DOOR 1		
29	ES6017UHB	DOOR, 4070 18GA GALV UH BLANK PREP EXIT & CLSR REINFORCED CECO LOCATIONS PRIME PAINT
35	ES21111	LOCKSET, PANIC PDQ 3'2"- 4'0" DOOR SS PDQ
37	ES11771RES	DOOR FRAME, 4070 RHR 16GA GALV 4" DEPTH SNGL RBBT MSNRY CLSR RNFRCD PREP FOR HES 7000 783S-630 ELE STRIKE W/ MUD BOX SW HINGE CECO LOC NO ANCHRS WELDED PRIME PAINTED

STATE: FLORIDA

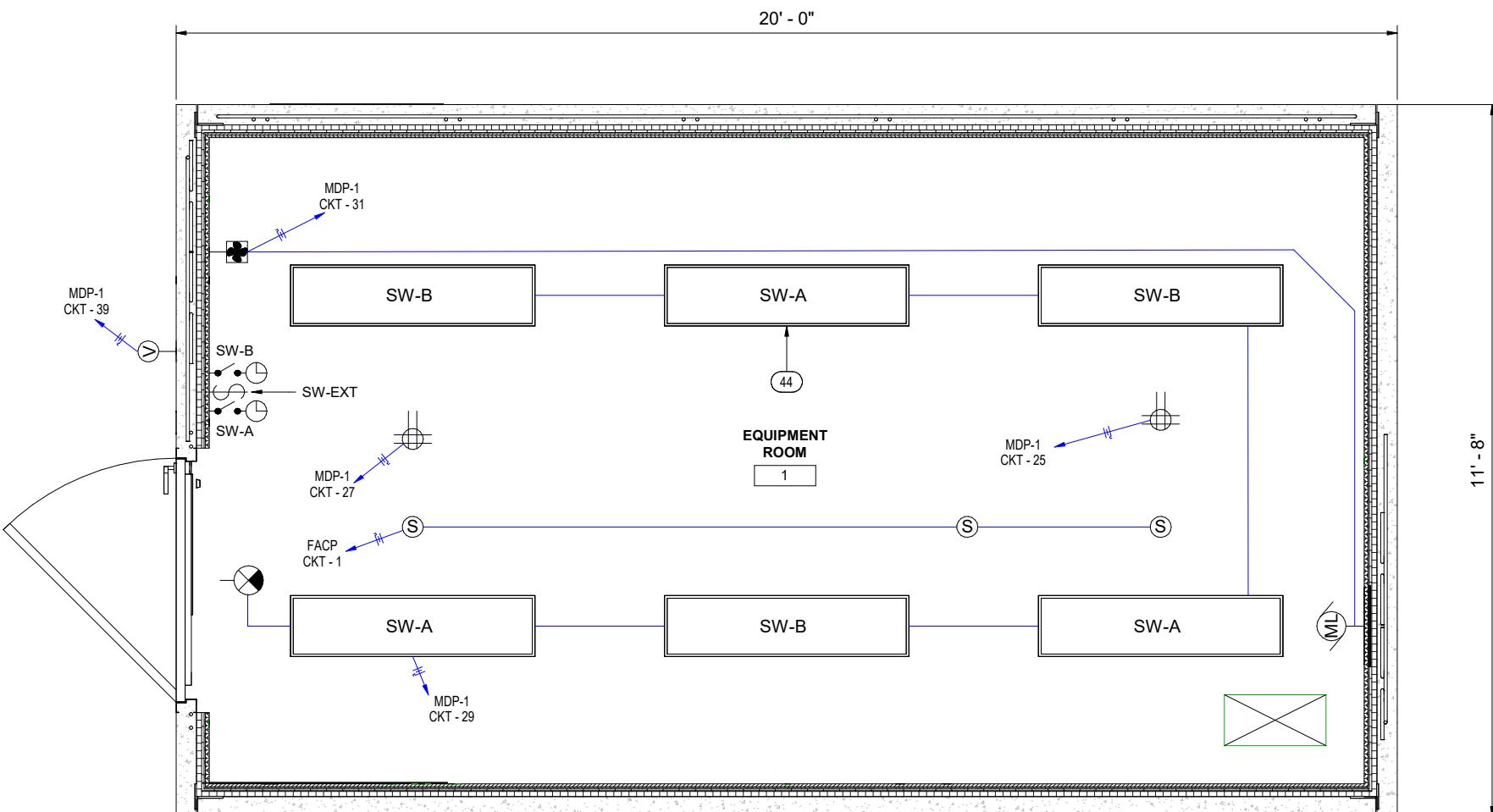


4/29/2025 2:56:02 PM
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Revision Description Date By
1090 Industrial Blvd.
Bessemer, AL 35022
Ph# 205-980-4565
Email: info@modularconnections.com

MODULAR CONNECTIONS
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Title: PATTERSON & DEWAR - 12' x 20' x 9'-9" IH
Site: FORT WHITE, FLORIDA
Drawn By: ACF Checked By: CLP Project Manager: CLP Date: 08/30/24
Drawing Number: D22119
Sheet Name: WIRING PLAN (FLOOR)
Project Number: MCP1410 - MC5116 Sheet Number: EP1.0
NOTICE: These drawings and specifications are the property of Modular Connections, LLC. All information contained herein which is not known generally in the field of Modular Connections, LLC shall be confidential except to any extent to which it is established to have been known previously from sources other than Modular Connections, LLC. These drawings and specifications may not be reproduced, copied or used as the basis for the manufacture or sale of apparatus without written permission.



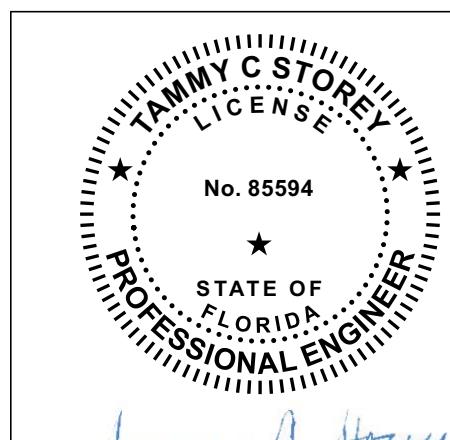
① WIRING PLAN - CEILING
3/4" = 1'-0"

These prints comply with the
Florida Manufactured Building
Act and adopted Codes and
adhere to the following criteria:

APPROVED BY
NIA INC.

Const. Type: VB
Occupancy: S2
Allowable No. of Floors: 1
Wind Velocity: 130 MPH Vuli
Fire Rating of Ext. Walls: 0
Plan No.: MFI-4193-MCP1410
Allow. Floor Load: 200
Approval Date: 5/1/2025
Manufacturer: Modular Connections LLC

STATE: FLORIDA



Tammy C. Storey

No. ▲ Revision Description
Date ▲ By
MODULAR
CONNECTIONS
1090 Industrial Blvd.
Bessemer, AL 35022
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Email: info@modularconnections.com
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Title: PATTERSON & DEWAR - 12' x 20' x 9'-9" IH
Site: FORT WHITE, FLORIDA

Drawn By: ACF Checked By: CLP Project Manager: CLP Date: 08/30/24
Drawing Number: D22119

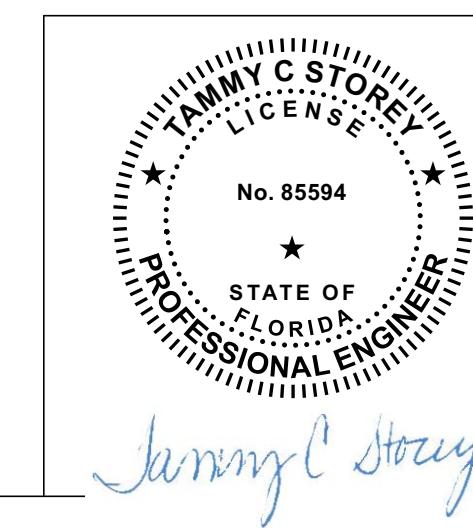
Sheet Name: WIRING PLAN (CEILING)
Project Number: MCP1410 - MC5116 Sheet Number: EP1.1

Branch Panel: MDP-1 Location: EQUIPMENT ROOM 1 Supply From: Mounting: Surface Enclosure NEMA Rating: Type 1				Brand: SIEMENS Volts: 208Y/120 Vac Phases: 3 Wires: 4 Feed: TOP				Panel Breaker Type: A.I.C. Rating: 22kA Mains Type: MCB Mains Rating: 400 A MCB Rating: 400 A				Feed-Thru Lug Kit # N/A Sub-Feed Lug Kit # N/A Neutral Kit # N/A Ground Kit # EGK Main Breaker Kit # MBKVAM3400A				Model # P1X54MC400CT Enclosure # B68 Cover # S68B Main Breaker #											
Notes: 1) CIRCUITS SHOWN WITHOUT A WIRE TYPE AND WIRE SIZE ARE SPARE BREAKERS RESERVED AS PER THE OWNER'S REQUEST. THESE CIRCUITS ARE TO BE DESIGNED AND INSTALLED BY OTHERS IN ACCORDANCE WITH ALL APPLICABLE CODES AND SUBJECT TO AUTHORITIES HAVING JURISDICTION.																											
CKT	Circuit Description			Trip	Poles	Wire Type	Wire Size	ØA	ØB	ØC	Wire Size	Wire Type	Poles	Trip	Circuit Description		CKT										
1	RECTIFER #1			30 A	2	THHN	2-#10, 1-#10	1460 VA	2635 VA		3-#8, 1-#10	THHN	3	45 A	HVAC #1	2											
3				--	--	--	--				--	--	--	--		4											
5	RECTIFER #2			30 A	2	THHN	2-#10, 1-#10			1460 VA	2635 VA		--	--		6											
7				--	--	--	--	1460 VA	0 VA		--	--	3	45 A	HVAC #3	8											
9	RECTIFER #3 (FUTURE)			30 A	2	--	--			0 VA	0 VA		--	--		10											
11				--	--	--	--			0 VA	0 VA		--	--		12											
13	HVAC #2			45 A	3	THHN	3-#8, 1-#10	2635 VA	0 VA		--	--	2	30 A	RECT #4	14											
15				--	--	--	--			2635 VA	0 VA		--	--		16											
17				--	--	--	--			2635 VA	0 VA		--	2	30 A	RECT #5	18										
19	INV-1			100 A	2	THHN	2-#3, 1-#8	250 VA	0 VA		--	--	--	--		20											
21				--	--	--	--			0 VA	0 VA		--	2	100 A	SPACE	22										
23	BLANK			--	1	--	--			--	0 VA		--	--		24											
25	RECP GROUP 25			20 A	1	THHN	1-#12, 1-#12, 1-#12	360 VA	720 VA		1-#12, 1-#12, 1-#12	THHN	1	20 A	RCPT GRP 26	26											
27	RECP GROUP 27			20 A	1	THHN	1-#12, 1-#12, 1-#12			360 VA	720 VA		1-#12, 1-#12, 1-#12	THHN	1	20 A	RCPT GRP 28	28									
29	INT., EMERGENCY, & EXIT LGT			20 A	1	THHN	1-#12, 1-#12, 1-#12				216 VA	180 VA	1-#12, 1-#12, 1-#12	THHN	1	20 A	EXTERIOR RCPT GRP 30	30									
31	EXHAUST SYSTEM			20 A	1	THHN	1-#12, 1-#12, 1-#12	7 VA	0 VA		--	--	3	20 A	NEW POWER METER	32											
33	PWR METER			20 A	3	--	--			0 VA	0 VA		--	--		34											
35				--	--	--	--			0 VA	0 VA		--	--		36											
37	EXTERIOR LIGHTING			20 A	1	THHN	1-#12, 1-#12, 1-#12			0 VA	42 VA		3-#3, 1-#8	THHN	3	100 A	SURGE PROTECTOR	38									
39				--	--	--	--			0 VA	42 VA		--	--		40											
41	BLANK			--	1	--	--			--	42 VA		--	--		42											
				Total Load:			9567 VA	Total Amps:			7851 VA		7167 VA		Panel Totals												
							81 A				66 A		60 A														

These prints comply with the
Florida Manufactured Building
Act and adopted Codes and
adhere to the following criteria:

APPROVED BY


Const. Type: VB
Occupancy: S2
Allowable No. of Floors: 1
Wind Velocity: 150 MPH (V-10)
Fire Rating of Ext. Wall: 0
Plan No.: MCP-410
Allow. Floor Load: 200
Approval Date: 5/1/2025
Manufacturer: Modular Connections LLC

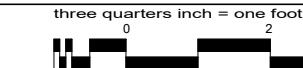
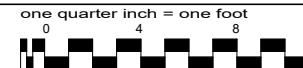


No. 85594
STATE OF FLORIDA
PROFESSIONAL ENGINEER
TAMMY C. STOREY
LICEN

MODULAR CONNECTIONS LLC
1090 Industrial Blvd.
Bessemer, AL 35022
Ph# 205-980-4565
Email: info@modularconnections.com

PATTERSON & DEWAR - 12' x 20' x 9'-9" IH
FORT WHITE, FLORIDA
D22119
MDP PANEL SCHEDULE
Project Number: MCP1410 - MC5116
Sheet Number: EP1.2

Notice: These drawings and specifications are the property of Modular Connections, LLC. All information contained herein which is not known generally in the field of Modular Connections, LLC shall be confidential except to any extent to which it is established to have been known previously from sources other than Modular Connections, LLC. These drawings and specifications may not be reproduced, copied or used as the basis for the manufacture or sale of apparatus without written permission.

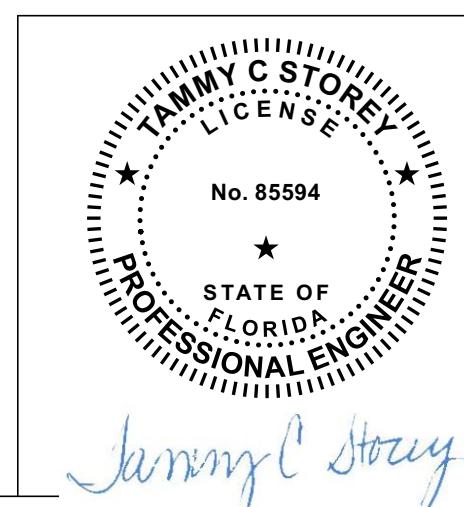


Branch Panel: INV-1	Brand:	A.I.C. Rating: 22kA	Neutral Kit #	Model #									
Location: EQUIPMENT ROOM 1	Volts: 208/120 VAC	Mains Type: MB	Ground Bus #	Enclosure #									
Supply From: MDP-1	Phases: 1	Mains Rating: 100 A	Lug Kit #	Cover #									
Mounting: Surface	Wires: 3	MCB Rating: 100 A	Main Breaker Kit #	Breaker Type:									
Enclosure: 1	Feed: TOP												
Notes:													
CIRCUITS SHOWN WITHOUT A WIRE TYPE AND WIRE SIZE ARE SPARE BREAKERS RESERVED AS PER THE OWNER'S REQUEST. THESE CIRCUITS ARE TO BE DESIGNED AND INSTALLED BY OTHERS IN ACCORDANCE WITH ALL APPLICABLE CODES AND SUBJECT TO AUTHORITIES HAVING JURISDICTION.													
CKT	Circuit Description	Trip	Poles	Wire Type	Wire Size	AØ	BØ	Wire Size	Wire Type	Poles	Trip	Circuit Description	CKT
1		FACP	20 A	1	THHN	1-#12, 1-#12, 1-#12	250 VA						2
3													4
5													6
7													8
9													10
11													12
13													14
15													16
17													18
19													20
21													22
23													24
25													26
27													28
29													30
31													32
33													34
35													36
37													38
39													40
41													42
						Total Load:	250 VA	0 VA					
						Total Amps:	2 A	0 A					
					Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals				
					Other	250 VA	100.00%	250 VA					
									Total Conn. Load:	250 VA			
									Total Est. Demand:	250 VA			
									Total Conn. Current:	1 A			
									Total Est. Demand Current:	1 A			

These prints comply with the Florida Manufactured Building Act and adopted Codes and adhere to the following criteria:

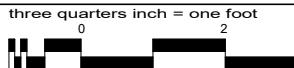
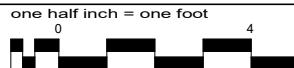
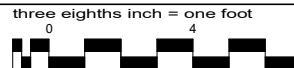
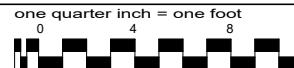
Const. Type: VB
Occupancy: S2
Allowable No. of Floors: 1
Wind Velocity: 130 MPH Vult
Fire Rating of Ext. Walls: 0
Plan No.: MCP1410
Allow. Floor Load: 200
Approval Date: 5/1/2025
Manufacturer: Modular Connections LLC

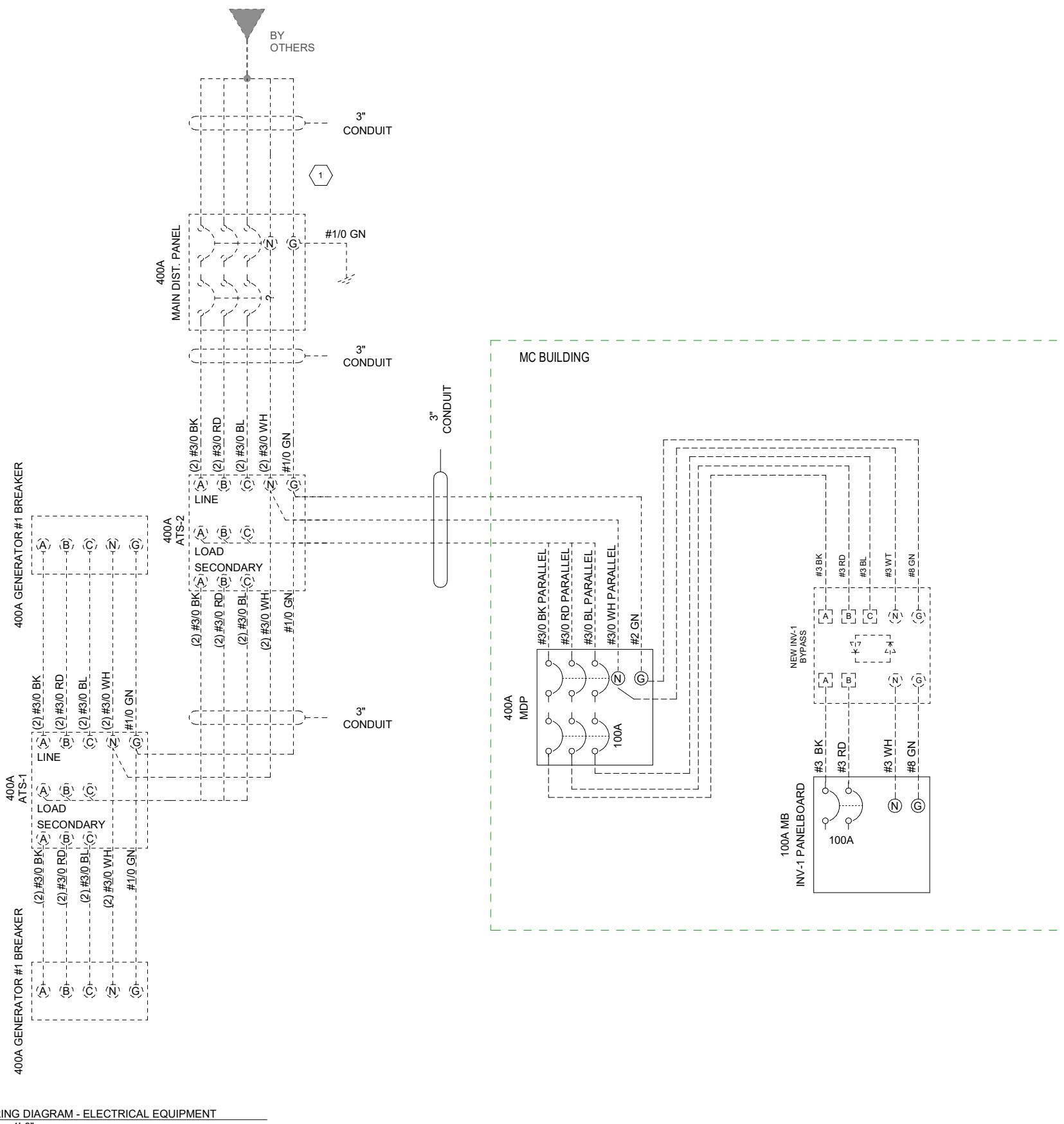
APPROVED BY
NTA INC.



No. 85594
STATE OF FLORIDA
PROFESSIONAL ENGINEER
MODULAR CONNECTIONS
1090 Industrial Blvd.
Bessemer, AL 35022
Ph# 205-980-4565
Email: info@modularconnections.com
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Title: PATTERSON & DEWAR - 12' x 20' x 9'-9" IH
Site: FORT WHITE, FLORIDA
Drawn By: ACF Checked By: CLP Project Manager: CLP Date: 08/30/24
Drawing Number: D22119
Sheet Name: INV-1 PANEL SCHEDULE
Project Number: MCP1410 - MC5116 Sheet Number: EP1.3
NOTICE: These drawings and specifications are the property of Modular Connections, LLC. All information contained herein which is not known generally in the field of Modular Connections, LLC shall be confidential except to any extent to which it is established to have been known previously from sources other than Modular Connections, LLC. These drawings and specifications may not be reproduced, copied or used as the basis for the manufacture or sale of apparatus without written permission.





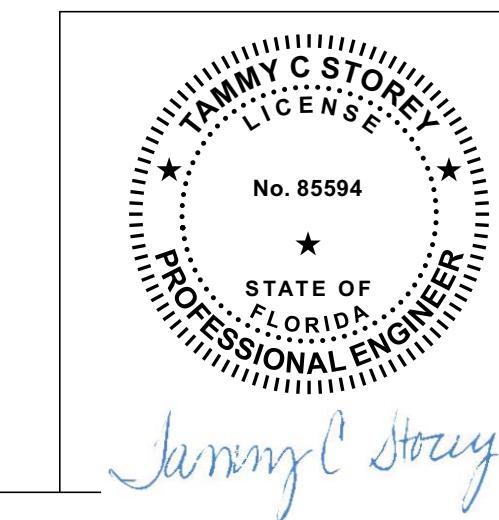
These prints comply with the
Florida Manufactured Building
Act and adopted Codes and
adhere to the following criteria:

APPROVED BY
NIA INC.

Const. Type:	VB
Occupancy:	S2
Allowable No. of Floors:	1
Wind Velocity:	150 MPH Vult
Fire Rating of Ext. Walls:	0
Plan No.:	MCP1410-MCP5116
Alt. Plan No.:	200
Approval Date:	5/1/2025
Manufacturer:	Modular Connections, LLC

NOTES - WIRING DIAGRAM(S)

1 DASHED LINES REPRESENT EQUIPMENT AND/OR SERVICES TO BE PROVIDED & INSTALLED BY OTHERS



No. Revision Description Date By

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Bessemer, AL 35022
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Title: PATTISON & DEWAR - 12' x 20' x 9'-9" IH

Site: FORT WHITE, FLORIDA

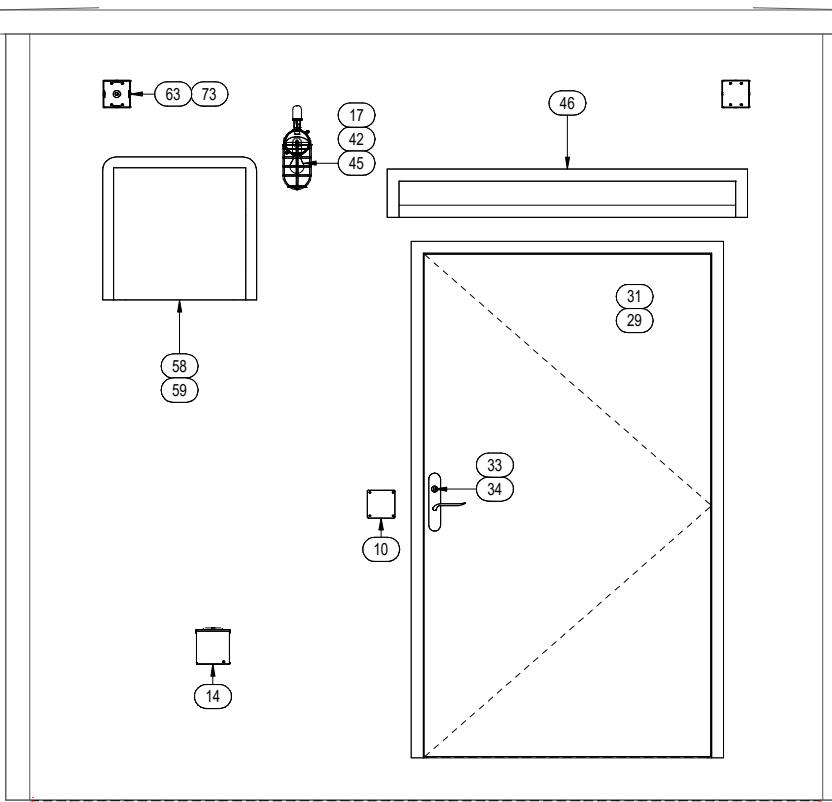
Drawn By: ACF Checked By: CLP Project Manager: CLP Date: 08/30/24

Drawing Number: D22119

Sheet Name: AC WIRING DIAGRAM(S)

Project Number: MCP1410 - MC5116 Sheet Number: EP1.4

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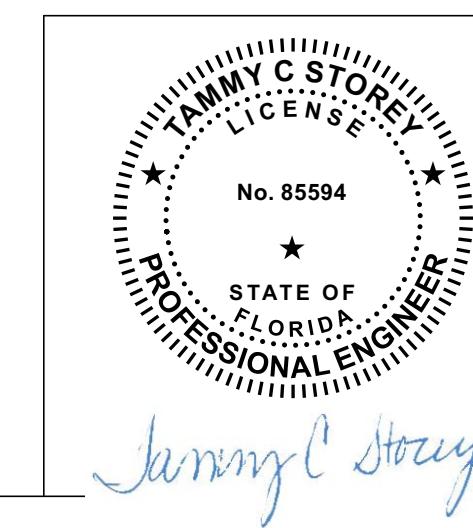
① PANEL A ELEVATION
3/4" = 1'-0"

These prints comply with the Florida Manufactured Building Act and adopted Codes and adhere to the following criteria:

APPROVED BY



Code Type: VB
Occupancy: S2
Allowable No. of Floors: 1
Wind Velocity: 150 MPH (v₃)
Fire Rating of Ext. Walls: 0
Plan No.: MCP1410-MCP1410
Allow. Floor Load: 200
Approval Date: 5/1/2025
Manufacturer: Modular Connections LLC



No. ▲ Revision Description Date ▲ By

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Title: PATTERSON & DEWAR - 12' x 20' x 9'-9" IH

Site: FORT WHITE, FLORIDA

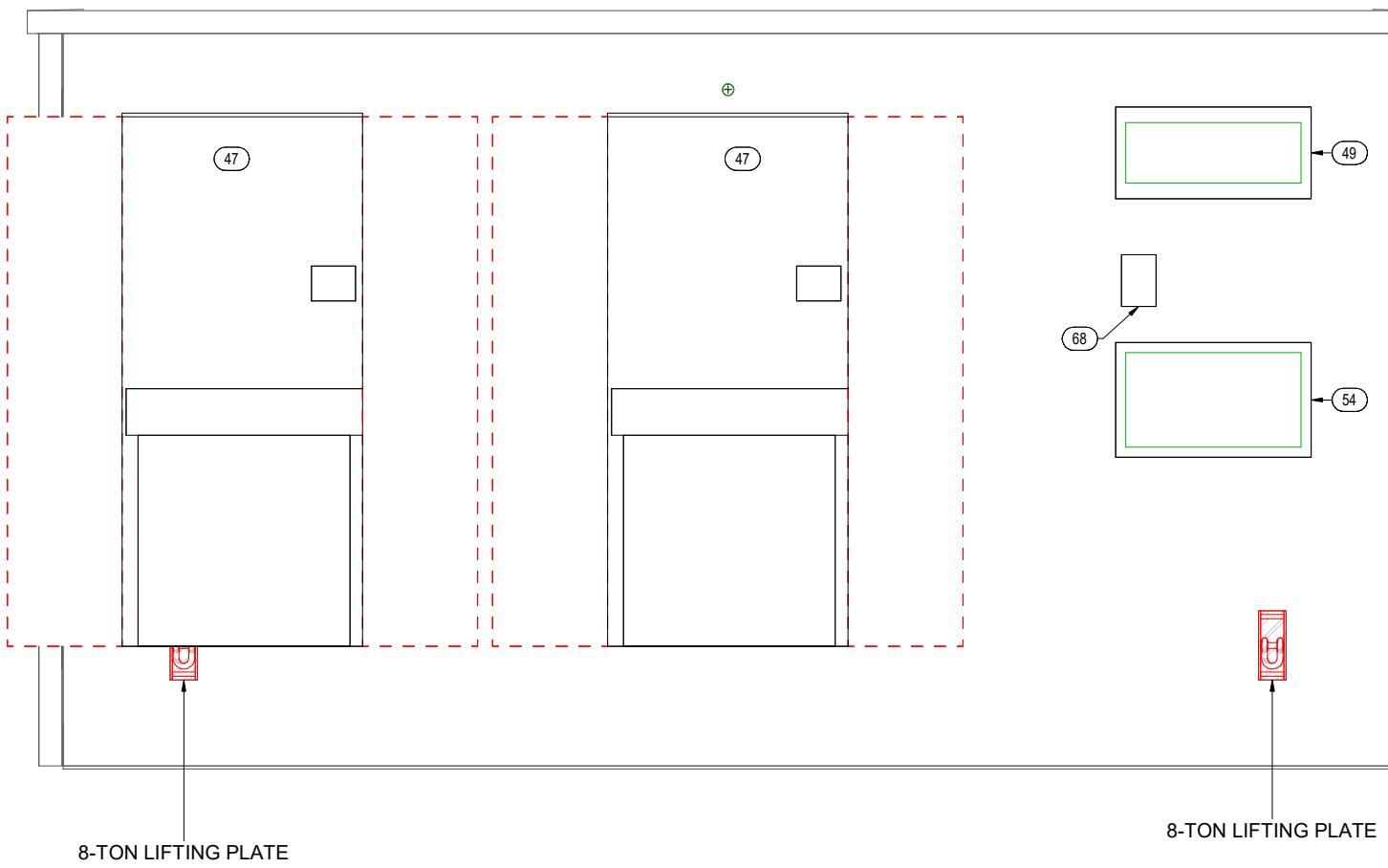
Drawn By: Checked By: Project Manager: Date:
ACF CLP CLP 08/30/24

Drawing Number: D22119

Sheet Name: ENDWALL PANEL A (EXTERIOR)

Project Number: MCP1410 - MC5116 Sheet Number: EP2.0

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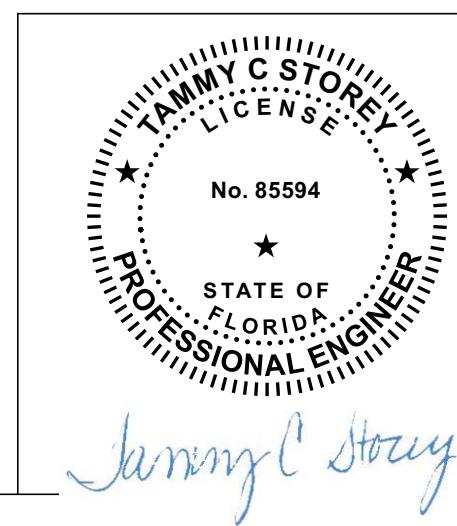
① PANEL B ELEVATION - MEP
3/4" = 1'-0"

NOTES - PANEL B (EXTERIOR)

- 1 COMPRESSION FITTINGS
- 2 1-1/2"Ø NIPPLE

These prints comply with the Florida Manufactured Building Act and adopted Codes and adhere to the following criteria:
APPROVED BY


Code, Type:	VB
Occupancy:	S2
Allowable No. of Floors:	1
Wind Velocity:	150 MPH/Vuh
Fire Rating of Ext. Walls:	0
Plan No.:	MPC1410-MCP1410
Allow. Floor Load:	200
Approval Date:	5/1/2025
Manufacturer:	Modular Connections LLC



4/29/2025 2:56:03 PM
C:\Permit\MC5116_CNTL_V02_afondrem\G443.rvt

Revision Description		Date
 MODULAR CONNECTIONS 1090 Industrial Blvd. Bessemer, AL 35022 Ph# 205-980-4565 Email: info@modularconnections.com © MODULAR CONNECTIONS, LLC All Rights Reserved		
Title: PATTISON & DEWAR - 12' x 20' x 9'-9" IH		
Site: FORT WHITE, FLORIDA		
Drawn By: ACF	Checked By: CLP	Project Manager: CLP
Date: 08/30/24		
Drawing Number: D22119		
Sheet Name: SIDEWALL PANEL B (EXTERIOR)		
Project Number: MCP1410 - MC5116		
Sheet Number: EP2.1		

Tammy C. Storey

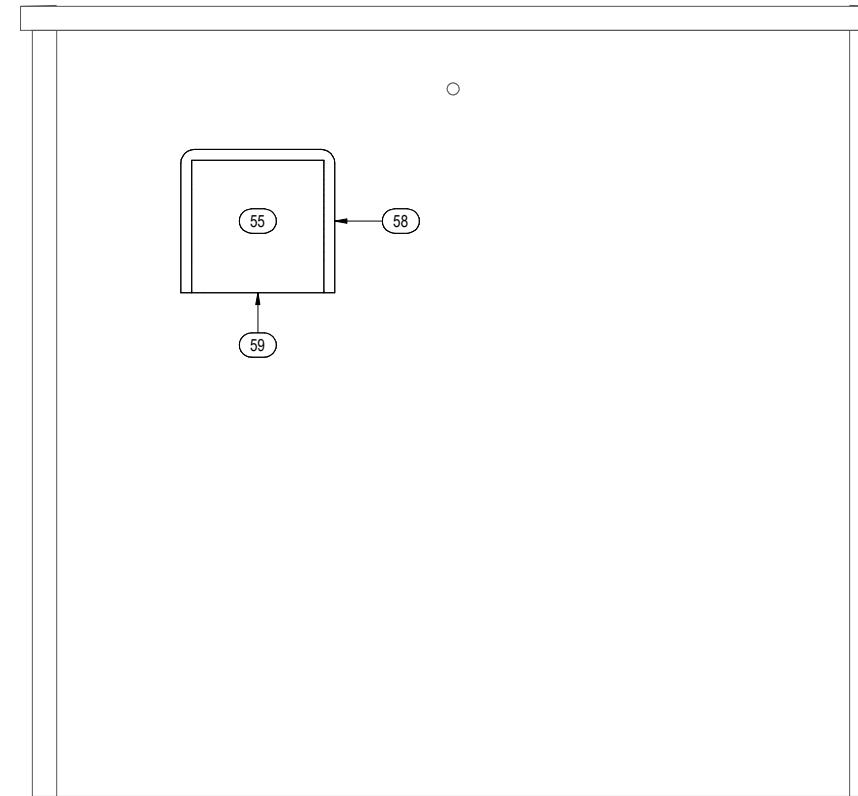
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These prints comply with the
Florida Manufactured Building
Act and adopted Codes and
adhere to the following criteria:

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Cond. Type: VB
Occupancy: S2
Allowable No. of Floors: 1
Wind Velocity: 150 MPH/Val.
Fire Rating of Ext. Walls: 0
Plan No.: MCP1410
Allow. Floor Load: 200
Approval Date: 5/1/2025
Manufacturer: Modular Connections, LLC



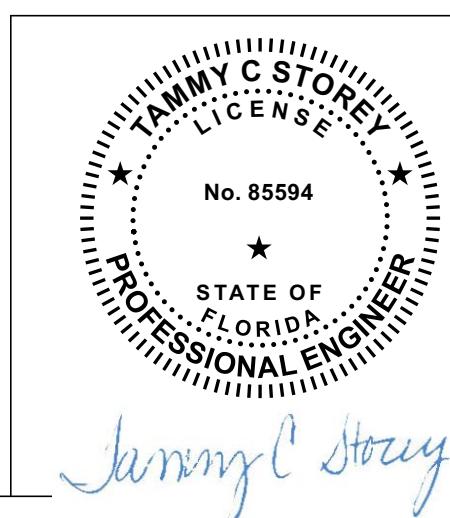
① PANEL C ELEVATION - MEP - EXTERIOR
3/4" = 1'-0"

one quarter inch = one foot
0 4 8

three eighths inch = one foot
0 4

one half inch = one foot
0 4

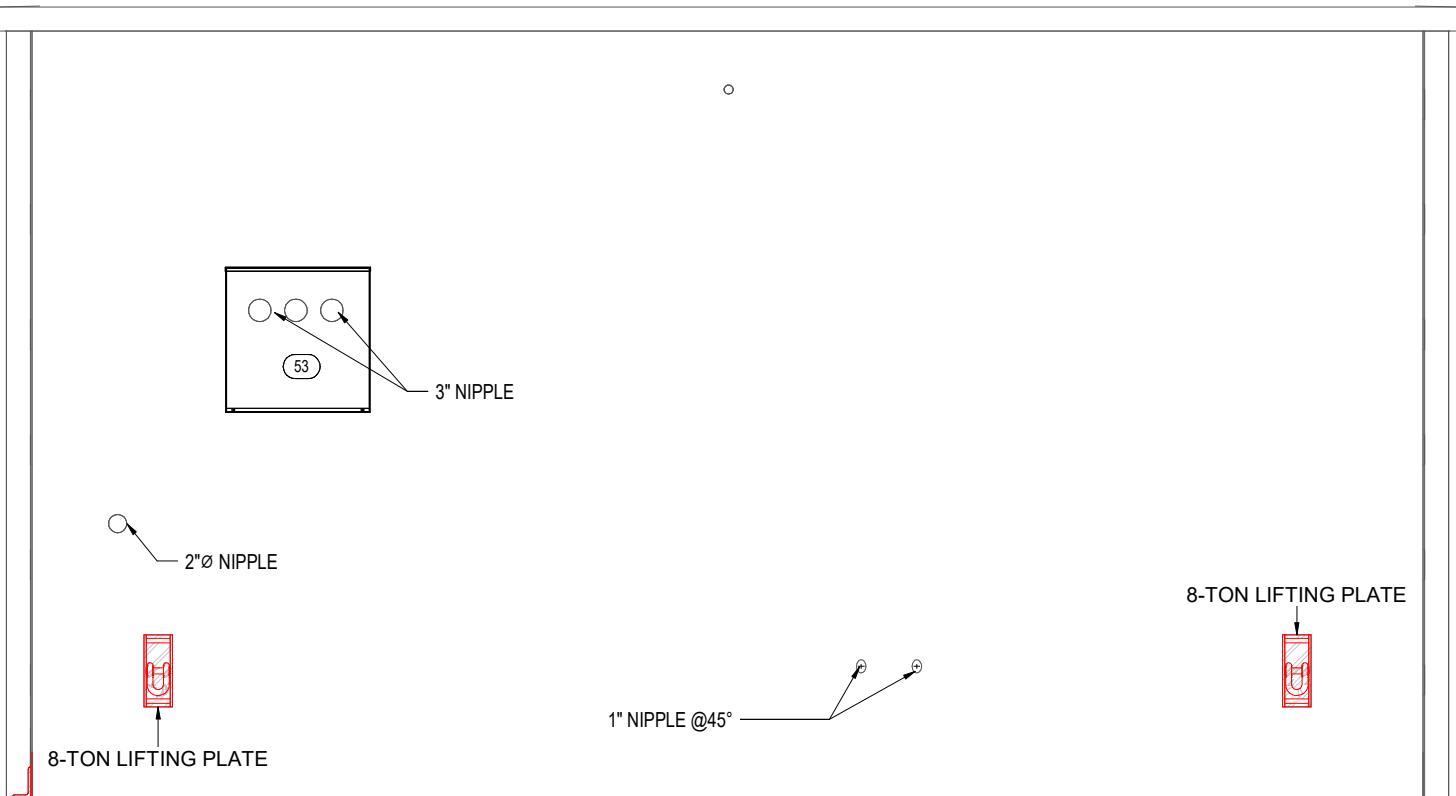
three quarters inch = one foot
0 2



No. Revision Description Date By

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Bessemer, AL 35022
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Email: info@modularconnections.com
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Title: PATTISON & DEWAR - 12' x 20' x 9'-9" IH
Site: FORT WHITE, FLORIDA
Drawn By: ACF Checked By: CLP Project Manager: CLP Date: 08/30/24
Drawing Number: D22119
Sheet Name: ENDWALL PANEL C (EXTERIOR)
Project Number: MCP1410 - MC5116 Sheet Number: EP2.2
NOTICE: These drawings and specifications are the property of Modular Connections, LLC. All information contained herein which is not known generally in the field of Modular Connections, LLC shall be confidential except to any extent to which it is established to have been known previously from sources other than Modular Connections, LLC. These drawings and specifications may not be reproduced, copied or used as the basis for the manufacture or sale of apparatus without written permission.

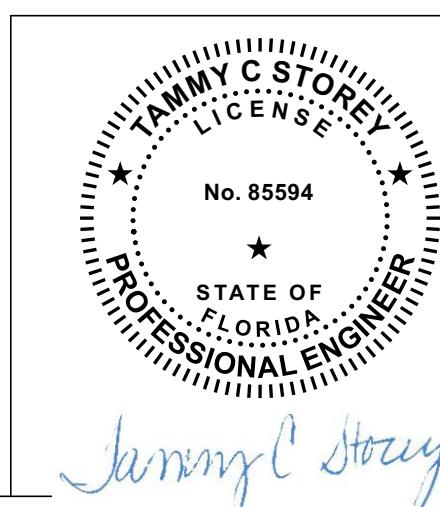


① PANEL D ELEVATION - MEP - EXTERIOR
3/4" = 1'-0"

These prints comply with the Florida Manufactured Building Act and adopted Codes and adhere to the following criteria:



Const. Type:	VB
Occupancy:	S2
Allowable No. of Floors:	1
Wind Velocity:	150 MPH Val.
Fire Rating of Ext. Walls:	0
Plan No.:	MCP1410-34CP410
Allow. Floor Load:	200
Approval Date:	5/1/2025
Manufacturer:	Modular Connections, LLC



No. Revision Description Date By

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Bessemer, AL 35022
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Email: info@modularconnections.com
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Title: **PATTERSON & DEWAR - 12' x 20' x 9'-9" IH**

Site: **FORT WHITE, FLORIDA**

Drawn By: ACF	Checked By: CLP	Project Manager: CLP	Date: 08/30/24
Drawing Number: D22119		Sheet Name: SIDEWALL PANEL D (EXTERIOR)	
Project Number: MCP1410 - MC5116		Sheet Number: EP2.3	

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COMcheck Software Version COMcheckWeb

Interior Lighting Compliance Certificate

Project Information

Energy Code: 90.1 (2019) Standard
Project Title: MCP1410 Patterson and Dewar 12X20X10 FL Ashrae 90.1 2019
Project Type: New Construction

Construction Site:
3303 SW County Road 18
Fort White, Florida 32038

Owner/Agent:
James Rains
Patterson & Dewar Engineers, Inc.
P.O. Box 2808
Norcross, Georgia 30091
770-453-1410
jrains@pdengineers.com

Designer/Contractor:
Chad Pearson
Modular Connections, LLC
1090 INDUSTRIAL BLVD
BESSEMER, Alabama 35022
205-980-4565
cpearson@modularconnections.com

Allowed Interior Lighting Power

A Area Category	B Floor Area (ft ²)	C Allowed Watts / ft ²	D Allowed Watts
1-Communications Building (Workshop)	240	0.92	221
Total Allowed Watts =			221

Proposed Interior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixture	D Fixture Watt.	E (C X D)
1-Communications Building (Workshop) LED: LED Panel 36W:	1	6	36	216
Total Proposed Watts =			216	

Interior Lighting PASSES: Design 2% better than code

Interior Lighting Compliance Statement

Compliance Statement: The proposed interior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 90.1 (2019) Standard requirements in COMcheck Version COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Chad Pearson

Digitally signed by Chad Pearson
DN: C=US, E=cpearson@modularconnections.com, O="Modular
Connections, LLC", OU=VP Engineering & QA, CN=Chad Pearson
Date: 2025.04.29 15:22:44-05'00'

Name - Title

Signature

Date

These prints comply with the
Florida Manufactured Building
Act and adopted Codes and
adhere to the following criteria:

APPROVED BY
NIA INC.

Const. Type:	VB
Occupancy:	S2
Allowable No. of Floors:	1
Wind Velocity:	150 MPH (Val)
Fire Rating of Ext. Walls:	0
Plan No.:	MCP-4193-MCP1410
Allwr. Floor Load:	200
Approval Date:	5/1/2025
Manufacturer:	Modular Connections, LLC



COMcheck Software Version COMcheckWeb

Exterior Lighting Compliance Certificate

Project Information

Energy Code: 90.1 (2019) Standard
 Project Title: MCP1410 Patterson and Dewar 12X20X10 FL Ashrae 90.1 2019
 Project Type: New Construction
 Exterior Lighting Zone 3 (Other (LZ3))

Construction Site: 3303 SW County Road 18
 Fort White, Florida 32038

Owner/Agent: James Rains
 Patterson & Deward Engineers, Inc.
 P.O. Box 2808
 Norcross, Georgia 30091
 770-453-1410
 jrains@pdengineers.com

Designer/Contractor: Chad Pearson
 Modular Connections, LLC
 1090 INDUSTRIAL BLVD
 BESSEMER, Alabama 35022
 205-980-4565
 cpearson@modularconnections.com

Allowed Exterior Lighting Power

A Area/Surface Category	B Quantity	C Allowed Watts /	D Tradable Wattage	E Allowed Watts (B X C)
Main Entrance (Pedestrian and vehicular entrances and exits)	4 ft of door	21	Yes	84
		Total Tradable Watts (a) =		84
		Total Allowed Watts =		84
		Total Allowed Supplemental Watts (b) =		500

(a) Wattage tradeoffs are only allowed between tradable areas/surfaces.

(b) A supplemental allowance equal to 500 watts may be applied toward compliance of both non-tradable and tradable areas/surfaces.

Proposed Exterior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixture	D Fixture Watt.	E (C X D)
Main Entrance (Pedestrian and vehicular entrances and exits, 4 ft of door width): Tradable Wattage				
LED: LED A Lamp 13W:	1	1	13	13
		Total Tradable Proposed Watts =		13

Exterior Lighting PASSES: Design 98% better than code

Exterior Lighting Compliance Statement

Compliance Statement: The proposed exterior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed exterior lighting systems have been designed to meet the 90.1 (2019) Standard requirements in COMcheck Version COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Chad Pearson

Digitally signed by Chad Pearson
 DN: C=US, E=cpearson@modularconnections.com, O="Modular Connections, LLC",
 OU=VP Engineering & QA, CN=Chad Pearson
 Date: 2025.04.29 15:23:07-05'00'

Name - Title

Signature

Date

Project Title: MCP1410 Patterson and Dewar 12X20X10 FL Ashrae 90.1 2019

Report date: 04/29/25

Data filename:

Page 2 of 5

APPROVED BY


These prints comply with the Florida Manufactured Building Act and adopted Codes and adhere to the following criteria:	Const. Type: VB
	Occupancy: S2
	Allowable No. of Floors: 1
	Wind Velocity: 150 MPH Val
	Fire Rating of Ext. Walls: 0
	Plan No.: MCP1410-MCP1410
	Allow. Floor Load: 200
	Approval Date: 5/1/2025
	Manufacturer: Modular Connections LLC



Inspection Checklist

Energy Code: 90.1 (2019) Standard

Requirements: 0.0% were addressed directly in the COMcheck software

Text in the "Comments/Assumptions" column is provided by the user in the COMcheck Requirements screen. For each requirement, the user certifies that a code requirement will be met and how that is documented, or that an exception is being claimed. Where compliance is itemized in a separate table, a reference to that table is provided.

Section # & Req.ID	Plan Review	Complies?	Comments/Assumptions
4.2.2, 8.4.1.1, 8.4.1.2, 8.7 [PR6] ²	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the electrical systems and equipment and document where exceptions are claimed. Feeder connectors sized in accordance with approved plans and branch circuits sized for maximum drop of 3%.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
4.2.2, 9.4.3, 9.7 [PR4] ¹	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the interior lighting and electrical systems and equipment and document where exceptions to the standard are claimed. Information provided should include interior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
9.7 [PR8] ¹	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the exterior lighting and electrical systems and equipment and document where exceptions to the standard are claimed. Information provided should include exterior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	

Additional Comments/Assumptions:

These prints comply with the Florida Manufactured Building Act and adopted Codes and adhere to the following criteria:

APPROVED BY

NIA INC.

Const. Type:	VB
Occupancy:	S2
Allowable No. of Floors:	1
Wind Velocity:	130 MPH (Vault)
Fire Rating of Ext. Walls:	0
Plan No.:	MFC-4193-MCP1410
Allow. Floor Load:	700
Approval Date:	5/1/2025
Manufacturer:	Modular Connections LLC

Section # & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
8.4.2 [EL10] ²	At least 50% of all 125 volt 15- and 20-Amp receptacles are controlled by an automatic control device.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
8.4.3 [EL11] ²	New buildings have electrical energy use measurement devices installed. Where tenant spaces exist, each tenant is monitored separately. In buildings with a digital control system the energy use is transmitted to control system and displayed graphically.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
9.4.1.1 [EL1] ²	Automatic control requirements prescribed in Table 9.6.1, for the appropriate space type, are installed. Mandatory lighting controls (labeled as 'REQ') and optional choice controls (labeled as 'ADD1' and 'ADD2') are implemented.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
9.4.1.1 [EL2] ²	Independent lighting controls installed per approved lighting plans and all manual controls readily accessible and visible to occupants.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
9.4.1.1f [EL13] ¹	Daylight areas under skylights and roof monitors that have more than 150 W combined input power for general lighting are controlled by photocontrols.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
9.4.1.4 [EL3] ²	Automatic lighting controls for exterior lighting installed.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
9.4.1.3 [EL4] ¹	Separate lighting control devices for specific uses installed per approved lighting plans.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
9.6.2 [EL8] ¹	Additional interior lighting power allowed for special functions per the approved lighting plans and is automatically controlled and separated from general lighting.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	

Additional Comments/Assumptions:

These prints comply with the Florida Manufactured Building Act and adopted Codes and adhere to the following criteria:

Const. Type:	VB
Occupancy:	S2
Allowable No. of Floors:	1
Wind Velocity:	130 MPH/Valh
Fire Rating of Deck/Wall:	0
Plan No.:	MCP-1193-MCP1410
Alt. or Floor Load:	200
Approval Date:	5/1/2025
Manufacturer:	Modular Connections LLC

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NIA INC.

Section # & Req.ID	Final Inspection	Complies?	Comments/Assumptions
8.7.1 [FI16] ³	Furnished as-built drawings for electric power systems within 30 days of system acceptance.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
8.7.2 [FI17] ³	Furnished O&M instructions for systems and equipment to the building owner or designated representative.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
9.2.2.3 [FI18] ¹	Interior installed lamp and fixture lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	See the Interior Lighting fixture schedule for values.
9.4.2 [FI19] ¹	Exterior lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	See the Exterior Lighting fixture schedule for values.
9.4.4 [FI20] ¹	At least 75% of all permanently installed lighting fixtures in dwelling units have ≥ 55 lm/W efficacy or a ≥ 45 lm/W total luminaire efficacy.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	

Additional Comments/Assumptions:

These prints comply with the Florida Manufactured Building Act and adopted Codes and adhere to the following criteria:

APPROVED BY

NIA INC.

Const. Type:	VB
Occupancy:	S2
Allowable No. of Floors:	1
Wind Velocity:	130 MPH Vault
Fire Rating of Ext. Walls:	0
Plan No.:	MFI-4193-MCP1410
Allow. Floor Load:	700
Approval Date:	5/1/2025
Manufacturer:	Modular Connections LLC