PLUMBING NOTES:

- TOILETS SHALL BE ELONGATED WITH NONABSORBENT OPEN FRONT SEATS. 2 REST ROOM WALLS SHALL BE COVERED WITH NONABSORBENT MATERIAL
 TO A MINIMUM HEIGHT OF 48 INCHES A.F.F.
 FLOORS SHALL HAVES AMOOTH, HARD, NONABSORBENT SURFACE THAT EXTENDS
 UPWARD ONTO THE WALLS AT LEAST 6 INCHES.
- THIS UNIT MUST BE CONNECTED TO A PUBLIC WATER SUPPLY AND SEWER SYSTEM IF THESE ARE AVAILABLE.
- ALL PLUMBING FIXTURES SHALL HAVE SEPARATE SHUTOFF VALVES.
- 5. WATER HEATER SHALL HAVE SAFETY PAN WITH 1 INCH DRAIN TO EXTERIOR, T & P RELIEF VALVE WITH DRAIN TO EXTERIOR, AND A SHUT OFF VALVE WITHIN 3 FEET ON A COLD WATER SUPPLY LINE.
- . DWV SYSTEM SHALL BE EITHER ABS OR PVC DWV.
- WATER SUPPLY LINES SHALL BE CPVC, PEX OR COPPER; AND SHALL BE INSTALLED I ACCORDANCE WITH THE MANUFACTURERS LIMITATIONS AND INSTRUCTIONS.
- 8. WATER CLOSETS ARE TANK TYPE AND URINALS ARE FLUSH TANK TYPE UNLESS
- OTHERWISE SPECIFIED.

 9. BUILDING DRAIN AND CLEANOUTS ARE DESIGNED AND SITE INSTALLED BY OTHERS,
- SUBJECT TO LOCAL JURISDICTION APPROVAL.

 10. SHOWERS SHALL BE CONTROLLED BY AN APPROVED MIXING VALVE WITH A
- MAXIMUM WATER OUTLET TEMPERATURE OF 1207 (48.8°C).
 THERMAL EXPANSION DEVICE, IF REQUIRED BY WATER HEATER INSTALLED, AND IF NOT SHOWN ON PLUMBING PLAN, IS DESIGNED AND SITE INSTALLED BY OTHERS, SUBJECT TO LOCAL APPROVAL.
- SUBJECT TO LOCAL APPROVAL.

 12. WATER PIPES INSTALLED IN A WALL EXPOSED TO THE EXTERIOR SHALL BE LOCATED ON THE HEATED SIDE OF THE WALL INSULATION.

 13. WATER, SOIL AND WASTE PIPES IN UNCONDITION SPACES SHALL BE INSULATED AND PROTECTED FROM FREEZING.

 14. CUSTOMER ASSUMES ALL RESPONSIBILTY FOR REQUIRED PLUMBING FACILITIES WHEN NOT SHOWN ON THE PLANS.

 15. TEMPERED WATER SHALL BE SUPPLIED THROUGH A WATER TEMP LIMITING DEVICE THAT CONFORMS TO ASSE 1070 AND SHALL LIMIT THE TEMPERED WATER TO A MAX OF 110T (43°C).

- MAX OF 110F(43°C)

 16. WHEN RESTROOM FACILITIES AND/OR PLUMBING FIXTURES REQUIRED PER CODE ARE NOT PROVIDED WITHIN THE BUILDING, A HANDICAPPED ACCESSIBLE FACILITY MUST BE PROVIDED ON SITE WITHIN THE ALLOWABLE DISTANCE PER CODE. THE REQUIRED FACILITY SHALL BE THE RESPONSIBILITY OF THE BUILDING OWNER AND IS SUBJECT TO THE REVIEW AND APPROVAL OF THE LOCAL JURISDICTION HAVING AUTHORITY. THIS NOTE SHALL BE INDICATED ON THE DATA PLATE
- AUTHORITY. THIS NOTE SHALL BE INDICATED ON THE DATA PLATE
 607.2 FPC HOT OR TEMPERED WATER SUPPLY TO TRIVURES. THE DEVELOPED LENGTH
 OF HOT OR TEMPERED WATER PIPING FROM THE SOURCE OF HOT WATER TO THE
 FIXTURES THAT REQUIRE HOT OR TEMPERED WATER SHALL NOT EXCEED 50 FEET
 (15 240 MM) RECIRCULATING SYSTEM PIPING AND HEAT. TRACED PIPING SHALL BE
 CONSIDERED TO BE SOURCES OF HOT OR TEMPERED WATER.

WINDOW & DOOR SPECIFICATIONS

- DBL. PANE WINDOWS ARE REQUIRED FOR ALL CLIMATE ZONES. SEE THE COMCHECK ENERGY CALCULATIONS FOR THE MAXIMUM ALLOWED U-FACTOR AND SHGC.
- THE MAXIMUM ALLOWABLE AIR LEAKAGE RATE FOR WINDOWS IS 0.3 CFM PER SQUARE FEET OF WINDOW AREA.

GENERAL NOTES:

- ACCESS TO BUILDING FOR PERSONS IN WHEELCHAIRS IS DESIGNED BY AND FIELD BUILT BY OTHERS AND SUBJECT TO LOCAL JURISDICTION APPROVAL. THE PRIMARY ENTRANCE MUST BE ACCESSIBLE.
- MUST BE ACCESSIBLE.

 ALL DOORS SHALL BE OPENABLE FROM THE EGRESS SIDE WITHOUT THE USE OF A KEY, TOOL, SPECIAL KNOWLEDGE OR EFFORT. MANUALLY OPERATED FLUSH BOLTS OR SUFFACE BOLTS SHALL NOT BE USED.

 ALL GLAZING WITHIN A 24 NICH ARC OF DOORS, WHOSE BOTTOM EDGE IS LESS THAN 60 INCHES ABOVE THE FLOOR, AND ALL GLAZING IN DOORS SHALL BE SAFETY, TEMPERED OR ACRYLIC PLASTIC SHEET.

 SEE CROSS SECTION FOR ROOF TO WALL AND WALL TO FLOOR CONNECTIONS AND THE DOWN BEFOREMENTS.

- TIE DOWN REQUIRMENTS
 STRAPPING MUST BE TESTED AND/OR CERTIFIED TO VERIFY THE STRUCTURAL CAPACITY.
 APPROPRIATE DOCUMENTATION MUST BE ON FILE AT THE MODULAR BUILDING FACTORY.
 WINDOWS AND DOORS MUST BE CERTIFIED FOR COMPLIANCE WITH THE WIND DESIGN
- PRESSURE FOR COMPONENTS AND CLADDING.
- PRESSURE FOR COMPONENTS AND CLADDING.
 THESE PLANS COMPLY WITH THE 2020 FIG. 7TH EDITION.
 PROVISIONS FOR EXIT DISCHARGE LIGHTING ARE THE RESPONSIBILITY OF THE
 GENRAL CONTRACTOR AND SUBJECT TO LOCAL JURISDICTION APPROVAL WHEN NOT
 SHOWN ON THE FLOOR PLAN (NCLUDING EMERGENCY LIGHTING, WHEN REQUIRED).
 PORTABLE FIRE EXTINGUISHER PER N.F.P.A. 10 INSTALLED BY OTHERS ON SITE,
 AND SUBJECT TO LOCAL JURISDICTION.
- AND SUBJECT TO LOCAL JURISDICTION.

 IN WIND-BORNE DEBRIS REGIONS, EXTERIOR GLAZING SHALL BE IMPACT RESISTANT OR PROTECTED WITH AN IMPACT RESISTANT COVERING MEETING THE REQUIRMENTS OF AN APPROVED IMPACT RESISTANT STANDARD, OR ASTM E1996. WIND-BORNE DEBRIS REGIONS ARE DESIGNATED IN SECTION 1690 OF THE FBC.

 THESE PLANS COMPLY WITH 553.8425 AND/OR RULE 61-020-3 (PRODUCT APPROVAL) PLAN REVIEW AND INSPECTION.

 SITE BY LOCAL FIRE INSPECTION REQUIRED BY CHAPTER 633 F.S. TO BE DONE ON SITE BY LOCAL FIRE INSPECTION.

 THIS STRUCTURE CANNOT BE LOCATED ON THE SEAWARD SIDE OF THE COASTAL CONSTRUCTION CONTROL LINE.

- THE SEALED SET OF PLANS ARE ON FILE IN THE THIRD PARTY AGENCY'S OFFICE AS DIRECTED BY DBPR.

ELECTRICAL NOTES:

- ALL CIRCUITS AND EQUIPMENT SHALL BE GROUNDED IN ACCORDANCE WITH THE APPROPRIATE ARTICLES OF THE NATIONAL ELECTRICAL CODE (NEC). WHEN LIGHT FIXTURES ARE INSTALLED IN CLOSETS THEY SHALL BE SURFACE MOUNTED OR RECESSED. INCANDESCENT FIXTURES SHALL HAVE COMPLETELY ENCLOSED LAMPS. SURFACE MOUNTED INCANDESCENT FIXTURES SHALL HAVE A MINIMUM CLEARANCE OF 12 INCHES AND ALL OTHER FIXTURES SHALL HAVE A MINIMUM CLEARANCE OF 6 INCHES FROM "CLOSETS STORAGE SPACE" AS DEFINED BY
- A MINIMUM CLEARANCE OF 12 INCHES AND ALL OTHER FIXTURES SHALL HAVE A MINIMUM CLEARANCE OF 6 INCHES FROM "CLOSET STORAGE SPACE" AS DEFINED BY NEC ARTICLE 410.2.

 NEC ARTICLE 410.2.

 NEC ARTICLE 410.2.

 WHEN WATER HEATERS ARE INSTALLED THEY SHALL BE PROVIDED WITH READILY ACCESSIBLE DISCONNECTS ADJACENT TO THE WATER HEATERS SERVED. THE BRANCH CIRCUIT SWITCH OR CIRCUIT BREAKER SHALL BE PERMITTED TO SERVE AS THE DISCONNECTING MEANS ONLY WHERE THE SWITCH OR CIRCUIT BREAKER IN SITE OF SERVED AS THE DISCONNECTING MEANS ONLY WHERE THE SWITCH OR CIRCUIT BREAKER IN SITE OF SERVED AS THE DISCONNECTING MEANS ONLY WHERE THE SWITCH OR CIRCUIT BREAKER IN STATE DISCONNECTING IN THE OPEN POSITION.

 H. THE OPEN POSITION THE LECTRICAL SYSTEM THE INTERRUPTING RATING OF THE MAIN BREAKER MUST BE DESIGNED AND VERTIFED AS BEING IN COMPULANCE W/ARTICLES 110.9 & TIO.10 OF THE NEC BY LOCAL ELECTRICAL CONSULTANT.

 6. THE MAIN BREAKER MUST BE DESIGNED AND VERTIFED AS BEING IN COMPULANCE W/ARTICLES 110.9 & TIO.10 OF THE NEC BY LOCAL ELECTRICAL CONSULTANT.

 6. THE MAIN ELECTRICAL PANEL AND FEEDERS ARE DESIGNED BY OTHERS, SITE INSTALLED AND SUBJECT TO LOCAL JURISDICTION APPROVAL

 ALL CIRCUITS CROSSING OVER MODULE MAINTO LINES) SHALL BE SITE CONNECTED SHALL AND FEEDERS ARE DESIGNED BY OTHERS, SITE INSTALLED AND SUBJECT TO LOCAL JURISDICTION BOYES, OR CABLE CONNECTEDS.

 ALL RECEPTAGLES INSTALLED IN WET LOCATIONS (EXTERNOL) SHALL BE IN WETHER ATTICOHED FOR DAMP AND WET LOCATIONS (EXTERNOL) SHALL BE IN WETHER ATTICOHED FOR DAMP AND WET LOCATIONS (EXTERNOL) SHALL BE IN MET LOCATIONS OF SERVICED. HIS MUST BE LISTED OR TRANCED. THE RECEPT INSELF SHALL ALSO BE LISTED FOR DAMP AND WET LOCATIONS AS FER NECENCY.

MECHANICAL NOTES:

- ALL SUPPLY AIR REGISTERS SHALL BE 24 INCHES \times 24 INCHES ADJUSTABLE WITH OVERHEAD FIBERGLASS DUCT (SEE FLOOR PLAN FOR SIZES), UNLESS OTHERWAS SPECIFIED. DUCTS IN UNCONDITIONED SPACES SHALL HAVE R-6 MINIMUM INSULATION AND R-8 INSULATION WHERE LOCATED OUTSIDE THE
- BUILDING.
 INTERIOR DOORS SHALL BE UNDERCUT 1.5 INCHES ABOVE FINISHED FLOORS
 FOR AIR RETURN AID/OR AS NOTED ON FLOOR PLAN (FOR UNRATED DOORS)
 HYAC EQUIPMENT SHALL BE EQUIPPED W/OUTSIDE FRESH AIR INTAKES PROVIDING 5 CFM PER PERSON & 0.06 CFM PER S.F. BLDG. AREA PER SECTION 403.3 OF THE FMC.
- VENT FANS SHALL BE DUCTED TO THE EXTERIOR AND TERMINATE AT AN
- APPROVED FOR ICAP.

 EXHAUST FANS SHALL PROVIDE A MINIMUM OF 50 CFM FOR EACH WATER CLOSET AND URINAL AND SHALL PROVIDE IN O CLOSER THAN 10 FEET FROM MECHANICAL INTAKE. THERMOSTAT MUST BE PROFAMMABLE

SPECIAL CONDITIONS AND REQUIRMENTS

- ANY SITE ADDED STRUCTURES MUST BE INDEPENDENT OF THE FACTORY BUILDING UNLESS THE ENTIRE BUILDING IS REVALUATED BY THE SITE ENGINEER.
- PYPICAL FOUNDATION LAYOUT SHOWN IN THIS PACKAGE IS TO AID THE SITE ENGINEER/ARCHITECT FOR LOCATIONS OF REQUIRED SUPPORTS. ACTUAL FOUNDATION MUST BE DESIGNED TO SITE CONDITIONS FOR ALL APPLICABLE LOADS, THIS INCLUDES BUT IS NOT LIMITED TO CONSTRUCTION OF THE FOUNDATION, SEISMIC DESIGN AND ATTACHING THE BUILDING TO THE FOUNDATION, ALONG WITH THE RESISTANCE TO LATERAL, LONGITUDINAL SHEAR, UPUFIT AND DOWNWARD FORCES IN BOTH DIRECTIONS.
- ENGINEER SEAL APPLIES ONLY TO FACTORY MANUFACTURED STRUCTURAL PORTION OF THE BUILDING. SEAL DOES NOT APPLY TO SITE INSTALLED ELEMENTS OR PORTIONS BUILT ON SITE SUCH AS, BUT NOT LIMITED TO: FOUNDATION, BRACING THE DOWN TO FOUNDATION, EXTERIOR STEPS, OR OTHER SITE WORKS. SITE WORK MUST BE DESIGNED BY OTHERS FOR SITE CONDITIONS, UNDER LOCAL JURISDICATION.

ACCESSIBILITY NOTES:

- THE INTERNATIONAL SYMBOL OF ACCESSIBILITY SIGN SHALL BE DISPLAYED AT ALL ACCESSIBLE RESTROOM FACILITIES AND AT ACCESSIBLE BUILDING ENTRANCES UNLESS ALL ENTRANCES ARE ACCESSIBLE. INACCESSIBLE ENTRANCES SHALL HAVE DIRECTIONAL SIGNS INDICATING THE ROUTE TO THE NEAREST ACCESSIBLE ENTRANCE.
- ACCESSIBLE DRINKING FOUNTAINS SHALL HAVE A SPOUT HEIGHT NO HIGHER THAN 36 INCHES ABOVE THE FLOOR AND EDGE OF BASIN NO HIGHER THAN 34 INCHES ABOVE THE FLOOR FOR INDIVIDUALS IN WHEELCHAIRS. ADDITIONALLY, DRINKING WATER PROVISIONS SHALL BE MADE FOR INDIVIDUALS WHO HAVE DIFFICULTY BENDING.
- SHALL BE MAJE FOR INDIVIDUALS WHO HAVE DIFFICULT BENDING.

 WHERE STORAGE FACILITIES SUCH AS CABINETS, SHELVES, CLOSETS AND DRAWERS ARE
 PROVIDED AT LEAST ONE TYPE PROVIDED SHALL CONTAIN STORAGE SPACE COMPLYING
 WITH THE FOLLOWING: DOORS ETC. TO SUCH SPACES SHALL BE EACESSBIEL (BE. TOUCH
 LATCHES, U—SHAPED PULLS); SPACES SHALL BE 15 INCHES MINIMUM AND 48 INCHES
 MAXIMUM ABOVE THE FLOOR FOR FORWARD REACH OR SIDE REACH; CLOTHES RODS OR
 COAT HOOKS SHALL BE A MAXIMUM OF 48 INCHES ABOVE THE FLOOR (46 INCHES MAXIMUM
 WHEN DISTANCE FROM WHELL CHAIR TO ROD EXCEEDS 10 INCHES). SHELVES IN KITCHENS
 OR TOILET ROOMS SHALL BE 40 INCHES MINIMUM AND 48 INCHES MAXIMUM ABOVE IN FLOOR
- OR TOILET ROOMS SHALL BE 40 INCHES MINIMUM AND 48 INCHES MAXIMUM ABOVE IN FLOOR . CONTROLS, DISPENSERS, RECEPTACLES AND OTHER OPERABLE EQUIPMENT SHALL BE NO HIGHER THAN 48 INCHES ABOVE THE FLOOR, RECEPTACLES ON WALLS SHALL BE MOUNTED NO LESS THAN 15 INCHES ABOVE THE FLOOR, EXCEPTION: HEIGHT LIMITATIONS DO NOT APPLY WHERE THE USE OF SPECIAL EQUIPMENT DICTATES OTHERWISE OR WHERE ELECTRICAL RECEPTACLES ARE NOT NORMALLY INTENDED FOR USE BY BUILDING OCCUPANTS. WHERE EMERGENCY WARNING SYSTEMS ARE PROVIDED, THEY SHALL INCLUDE BOTH AUDIBLE AND VISUAL ALARMS. THE VISUAL ALARMS SHALL BE LOCATED THROUGHOUT, INCLUDING RESTITOON, AND PLACED 80 INCHES ABOVE THE FLOOR OR 6 INCHES BELOW CEILLING, WHICHEVER IS LOWER.
- EVER IS LOWER.
 ALL DOORS SHALL BE OPENABLE BY A SINGLE EFFORT. DOOR CLOSERS SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 90 DEGREES, THE TIME REQUIRED TO MOVE THE DOOR TO AN OPEN POSITION OF 12 DEGREES SHALL BE 5 SECONDS MINIMUM. THE MAXIMUM PORCE REQUIRED FOR PUSHING OF PULLING OPEN DOORS OTHER THAN FIRE DOORS SHALL NOT EXCEED 5 LBS. FOR ALL SLIDING, FOLDING, AND INTERIOR HINGED DOORS.
- FLOOR SURFACES SHALL BE STABLE, FIRM, AND SUIP-RESISTANT. CHANGES IN LEVEL BET-WEEN 0.25 INCH AND 0.5 INCH SHALL BE BEVILED WITH A SLOPE NO GREATER THAN 1:2 CHANGES IN LEVEL GREATER THAN 0.5 INCH REQUIRE RAMPS. CARPET PILE THICKNESS SHALL BE 0.5 MAX. GRATINGS IN FLOOR SHALL HAVE SPACES NO GREATER THAN 0.5 INCH WIDE IN ONE DIRECTION. DOORWAY THRESHOLDS SHALL NOT EXCEED 0.5 INCH IN HEIGHT.
- ONE DIRECTION. DOORWAY THRESHOLDS SHALL NOT EXCEED U.5. INCH IN HEIGHT.

 8. ACCESSIBLE WATER CLOSETS SHALL BE 17 INCHES TO 19 INCHES, MEASURED FROM THE FLOOR TO THE TOP OF THE SEAT. GRAB BARS SHALL BE 36 INCHES LONG MINIMUM WHEN LOCATED ALONG SIDE OF WATER CLOSET, AND SHALL BE MOUNTED 33 INCHES TO 36 INCHES ABOVE THE FLOOR. IN ADDITION, A VERTICAL GRAB BAR 18 INCHES MINIMUM IN LENGITH SHALL BE MOUNTED ON THE SIDEWALL WITH THE BOTTOM OF THE BAR LOCATED BETWEEN 39 AND 41 INCHES ABOVE THE FLOOR, AND WITH THE CENTER LINE OF THE BAR LOCATED BETWEEN 39 INCHES AND 41 INCHES FROM THE REAR WALL.
- ACCESSIBLE URINALS SHALL BE STALL—TYPE OR WALL HUNG WITH ELONGATED RIMS AT A MAXIMUM OF 17 INCHES ABOVE THE FLOOR.
- 10. ACCESSIBLE LAVATORIES AND SINKS SHALL BE MOUNTED WITH THE RIM NO HIGHER THAN 34 NOHES ABOVE THE FLOOR (THIS EXCLUDES SINKS IN CABINETRY). KNEE CLEARANCE OF AT LEAST 27 INCHES HIGH MUST BE PROVIDED WITH A MINIMUM DEPTH OF 8 INCHES BENEATH THE FIXTURE. AND 9 INCHES HIGH MINIMUM WITH A MINIMUM DEPTH OF 11 INCHES BENEATH THE FIXTURE. THE KNEE SPACE MUST BE AT LEAST 30 INCHES WIDE.
- 11. HOT WATER AND DRAIN PIPES UNDER ACCESSIBLE LAVATORIES AND SINKS SHALL BE INSULATED OR OTHERWISE CONFIGURED TO PROTECT AGAINST CONTACT. INSULATION OR PROTECTION MATERIALS MAY BE SITE INSTALLED. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER ACCESSIBLE LAVATORIES AND SINKS.
- ACCESSIBLE LAVATORIES AND SINKS SHALL HAVE ACCESIBLE FAUCETS (I.E. LEVER-OPERATED PUSH TYPE, ELECTRONICALLY CONTROLLED).
- 13. MIRRORS LOCATED ABOVE LAVATORIES, SINKS OR COUNTERS SHALL BE MOUNTED WITH THE BOTTOM EDGE OF THE REPLECTING SURFACE A MAXIMUM OF 40 INCHES ABOVE THE FLOOR. OTHER MIRRORS IN TOLIET ROOMS SHALL BE MOUNTED WITH THE BOTTOM EDGE OF THE REFLECTING SURFACE 35 INCHES MAXIMUM ABOVE THE FLOOR.
- 14. GRAB BARS HAVING A CIRCULAR CROSS SECTION SHALL HAVE AN OUTSIDE DIAMETER OF 1.2 INCHES MINIMUM AND 2.0 INCHES MAXIMUM. THE SPACE BETWEEN THE GRAB BAR AND THE WALL SHALL BE 1.5 INCHES.
- 15. WATER CLOSET FLUSH CONTROL SHALL BE INSTALLED A MAXIMUM OF 36 INCHES ABOVE THE FLOOR AND SHALL BE LOCATED ON THE OPEN SIDE OF THE WATER CLOSET.
- 16. DOORS TO ALL ACCESSIBLE SPACES SHALL HAVE ACCESSIBLE HARDWARE (I.E. LEVER. OPERRATED, PUSHTYPE, U-SHAPED) MOUNTED WITH OPERABLE PARTS BETWEEN 34 INCHES MINIMUM AND 48 INCHES MAXIMUM ABOVE THE FLOOR.
- 17. TOILET STALL DOORS SHALL BE THE SELF-CLOSING TYPE.
- 18. A TOWEL DISPENSER SHALL BE LOCATED ADJACENT TO ALL ACCESSIBLE LAVTORIES.

STRUCTURAL LOAD LIMITATIONS

- RISK CATEGORY: II FLOOR LIVE LOAD:
- A. DEAD LOAD = 12 PSF (AVERAGE).
- B. 50 PSF
 C. 2000 LB. CONCENTRATED LOAD OVER 30 INCH
 × 30 INCH AREA LOCATED ANYWHERE ON FLOOR
- ROOF LIVE LOAD:
- A. DEAD LOAD = 13 PSF (AVERAGE). B. 20 PSF
- SNOW LOAD:
- A. N/A
- WIND LOAD:
- A1. 130 MPH Vult
- A2, 100 MPH Vasd
- B. Iw = 1.0
- WIND SPEED
 WIND IMPORTANCE FACTOR D. GCpi = 0.18
- F. COMPONENT & CLADDING BASIC DESIGN PRESSURES (ASD DESIGN PRESSURE) FOR ROOF ANGLES 0 TO 7 DEGREES

ASCE 7-16

WIND SPEED

WIND EXPOSURE CATEGORY

- WALL ZONE 5: P = +/- 49.2 PSF (Posd = +/- 29.5 PSF) WALL ZONE 4: P = +/- 39.9 PSF (Posd = +/- 24.0 PSF) ROOF ZONE 3: P = 105.4 PSF (Posd = 63.2 PSF) ROOF ZONE 2: P = 77.3 PSF (Posd = 46.4 PSF) ROOF ZONE 1: P = 58.6 PSF (Posd = 35.1 PSF) ROOF ZONE 1: P = 33.6 PSF (Posd = 20.2 PSF)
- F. THIS BUILDING IS NOT DESIGNED FOR PLACEMENT ON THE UPPER HALF OF A HILL OR ESCARPMENT EXCEEDING 15 FEET IN HEIGHT.
- SEISMIC LOAD: N/A
- ROOF RAIN LOAD (IPC APPENDIX B): A. RAIN INTENSITY: i = 4.7 INCHES/HOUR
- A. RAIN INTENSITY: i = 4.7 INCHES/HOUR FLOOD LOAD:
 THE MODULAR BUILDING UNITS ARE NOT DESIGNED TO BE SUBMERGED OR SUBJECT TO WAVE ACTION. IF INSTALLED IN A FLOOD PLAIN, THE MODULAR BUILDING UNITS MUST BE INSTALLED ABOVE THE MINIMUM BASE FLOOD ELEVATION DERIVED FROM APPROPRIATE FLOOD ELEVATION MAPS FOR THE BUILDING SITE OR SET ON A FOUNDATION DESIGNED FOR FLOOD LEVELS.

CODE SUMMARY: ENERGY CODE STATE BUILDING ELECTRICAL MECHANICAL PLUMBING ACCESSIBILTY FBC 7TH ED (2020) BUILDING FBC 7TH ED. (2020) ENERGY CONSERVATION FBC 7TH ED. (2020) PLUMBING FBC 7TH ED. (2020) ACCESSIBILTY FBC 7TH ED. (2020) MECHANICAL 2017 NEC FFPC 7TH ED. (2020) FBC 7TH ED. (2021 SUPP.)

SITE INSTALLED ITEMS:

NOTE THAT THIS LIST DOES NOT NECESSARILY LIMIT THE ITEMS OF WORK AND MATERIALS THAT MAY BE REQUIRED FOR A COMPLETE INSTALLATION, ALL SITE RELATED ITEMS ARE SUBJECT TO LOCAL JURISDICTION APPROVAL

- THE COMPLETE FOUNDATION SUPPORT AND TIE DOWN SYSTEM.
 RAMPS, STARS AND GENERAL ACCESS TO THE BUILDING.
 PORTIABLE FIRE EXTINGUISHER(S).
 BUILDING DRAINS, CLEANOUTS,
 HOOK-UP TO PLUMBING SYSTEM.
 ELECTRICAL SERVICE HOOK-UP (INCLUDING FEEDERS) TO THE BUILDING.
- THE BUILDING.

 GLAZING OPENING PROTECTION—SEE GENERAL NOTE 10

 LIGHT MEDIT RUSS SKONAGE

 PORTABLE TRUSS SKONAGE

 PORTABLE TRUSS SKONAGE

 PORTABLE PRINCHISCHER

 EXIT DISCHARGE LIGHTING (INCLUDING EMERGENCY)

 FLORIDA FIRE PREVENTION CODE PLAN REVIEW & INSPECTION.

 SHALL BE PREFORMED ON SITE BY OTHERS, SUBJECT TO LOCAL

 APPROVAL.
- APPROVAL.

 THE FLOOR AND ROOF DESIGN OF THIS PLAN IS "LIGHT FRAME TRUSS—TYPE CONSTRUCTION" AS REFERENCED IN FAC RULE TRUSS—TYPE CONSTRUCTION AS REPERENCED IN FAC ROLE 69A—3.012(6), POSTING OF NOTICE SIGN(S) AS REQUIRED BY FAC 69A—3.012(6), 69A—3.012(6) SHALL BE SITE INSTALLED AND IS THE RESPONSIBILTY OF THE GENERAL CONTRACTOR.

IN ACCORDANCE WITH THE REQUIREMENTS OF THE FLORIDA DEPT. OF BUSINESS & PROFESSIONAL REQUIATION, THESE BUILDING PLANS DO NOT CONTAIN FOUNDATION SUPPORT AND THE DOWN DETAILS AND SPECIFICATIONS. THE ARCHITECT PENGINEER OF BUILDING PLANS SHOULD BE CONTACTED TO OBTAIN APPROPRIATE FOUNDATION PLANS. IF FOUNDATION PLANS ARE DESIGNED BY OTHERS, THE ARCHITECT/FORIGHEER OF BUILDING PLANS SHALL NOT BE HELD RESPONSIBLE OF MULTIPLE OF BUILDING PLANS SHALL NOT BE HELD RESPONSIBLE OF MULTIPLE OF BUILDING PLANS SHALL NOT BE HELD RESPONSIBLE OF MULTIPLE OF BUILDING PLANS SHALL NOT BE HELD RESPONSIBLE OF BUILDING PLANS SHALL NOT BE HELD RESPONSIBLE OF BUILDING PLANS SHALL PROFESSIONAL OF THE SUPPERSTRUCTURE'S STRUCTURAL COMPONENTS AND SYSTEMS RELATING THERETO.

OF 4 COVER SHEET 2 OF 4 FLOOR PLAN 3 OF 4 FIEVATIONS 4 OF 4 CROSS SECTION OF 1 FOUNDATION

DRAWING INDEX

LISTING AGENCY APPROVAL FLORIDA MANUFACTURED BUILDING ACT OF 1979 CONSTRUCTION CODE AND ADHERE TO THE FOLLOWING CRITERIA

CONST. TYPE OCCUPANCY FLOOR IL SOUR STREET AT STATE OF PSF STREET AT STATE OF PSF S 10/31/202 HIGH VELOCITY HURRICANE ZONE NO



REVIEWED BY MICHAEL A. FREY Michael A. Frey (GCMC)

FLORIDA MODULAR PLANS EXAMINER NO. SMP 37

GCMC LLC 12749 PLACID RD HUDSON FL 34667 PH: (727) 226-3730

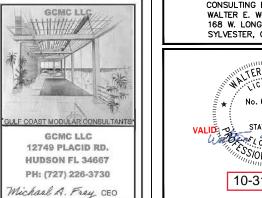
USE/OCCUPANCY BUSINESS VB NO 1056 S.F. 2. CONSTRUCTION TYPE: 3. SPRINKI FR SYSTEM: 4. BUILDING AREA: 5. BUILDING HEIGHT: ≤ 15 FEET

S. NUMBER OF STORIES:

- 8. OCCUPANT LOAD 11 BASED ON 100 SF/PERSON
- 9. EXTERIOR WALL FIRE RATING: NOT RATED 10. THIS BUILDING MUST BE INSTALLED WITH THE FIRE SEPARATION DISTANCES REQUIRED BY FBC 602 AND SECTION 705.3

BUILDING DESIGN PARAMETERS

- ENGERGY CODE COMPLIANCE: SEE ATTACHED ENERGY CALCULATIONS.
- MANUFACTURERS DATA PLATE, STATE LABELS AND GCMC LABELS ARE TO BE LOCATED ADJACENT TO ELECTRICAL PANEL.



CONSULTING ENGINEER: WALTER E. WOOD, P.E. 168 W. LONGLEAF DR. SYLVESTER, GA. 31791

TER E. WOOD No. 61323 * VALIDE OF STATE OF CONTROL STATE OF CONT STATE OF 10-31-2022

TITAN MODULAR SYSTEMS, INC. 162 INDUSTRIAL DRIVE ALMA, GA 31510 (912) 632-3344

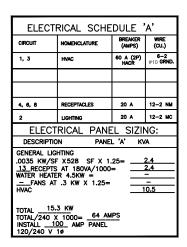
APOLLO MODULAR SYSTEMS, INC. 2162 INDUSTRIAL BLVD.

(912) 632-3344

DATE: 10-27-22 SCALE: NO SCALE CODES: SEE NOTES REVISIONS STATES: FL REFERENCE: 7342

DOUGLAS, GA 31533

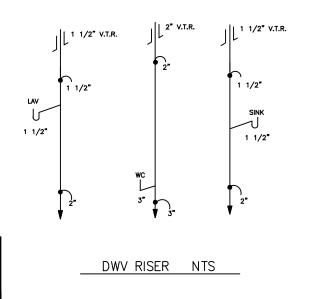
W.E.W. SHEET TMS/AMS 7342 A/B 22'-0" x 48'-0" BUSINESS 1 OF 4 COVER SHEET AKE CITY

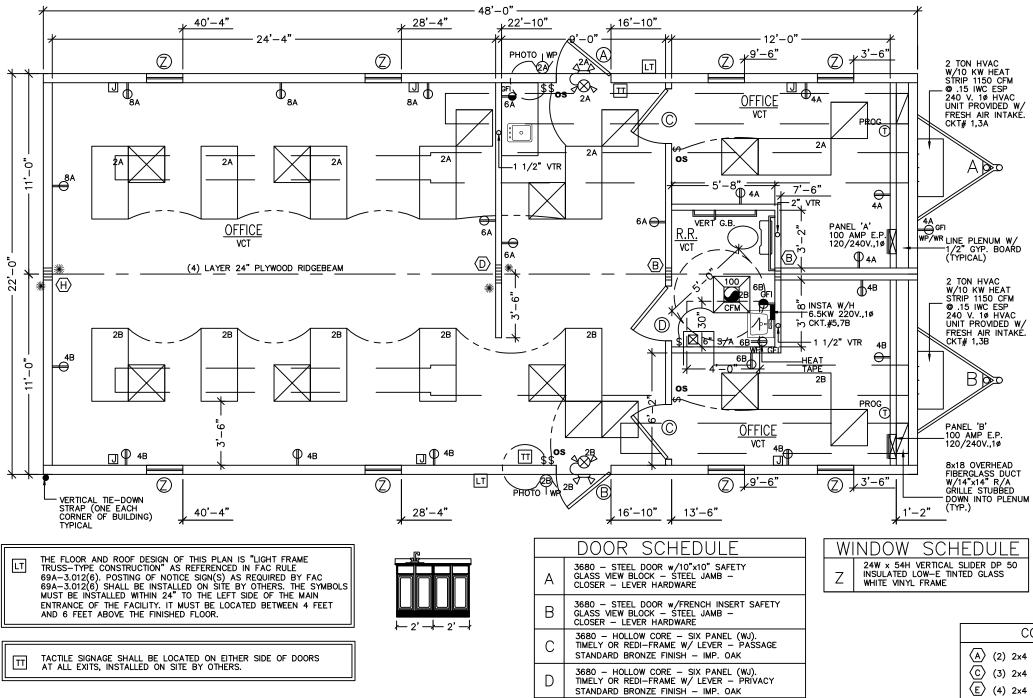


ELECT	RICAL SCHE	DULE '	В
CIRCUIT	NOMENCLATURE	BREAKER (AMPS)	WIRE (CU.)
1, 3	HVAC	60 A (2P) HACR	6-2 #10 GRND.
5, 7	WATER HEATER	30 A (2P)	10-2 NM
4, 6	RECEPTACLES/FAN	20 A	12-2 NW#
2	LIGHTING/FAN	20 A	12-2 NM
ELECT	RICAL PANE	L SIZI	NG:
DESCRIPTIO	N PANE	L'B' K\	/A
10 RECEPTS	X528 SF X 1.	=	2.4 1.8
WATER HEATE	R 6.5 KW = .3 KW X 1.25=		6.5 .4
HVAC	.0 Km X 1.25-		0.5
TOTAL 21.0 TOTAL/240 X INSTALL 10 120/240 V	1000= 90 AM 00 AMP PANEL	<u>PS</u>	

SUPPLY LINE SIZING IS BASED ON AN ASSUMED AVAILABLE PRESSURE OF 46 TO 60 PSI AT MAIN INLET AND SHOULD BE VERIFIED PRIOR TO CONSTRUCTION. — COLD

ALL SUPPLY LINES SHALL BE 3/4", ALL STUB-UPS SHALL BE 1/2" UNLESS OTHERWISE SPECIFIED.







SYMBOLS J-BOXES ONLY

SMOKE DETECTOR

J

(S)

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(T)

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VENT FAN

FIRE ALARM PULL STATION

FIRE ALARM HORN/STROBE

FIRE ALARM STROBE LIGHT

DUPLEX RECEPTACLE 120 V

SINGLE RECEPTACLE 240 V

PORCH LIGHT WITH 1-60 W. BULB

SLIPPLY AIR REGISTER

RETURN AIR REGISTER

COMB. VENT FAN & LIGHT

EXIT/EMERGENCY COMB W/BATTERY BACKUP

EXIT/EMERGENCY COMBO

EXIT/EMERGENCY COMBO W/BATTERY BACKUP

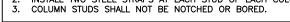
EXIT SIGN W/BATTERY BACKUP

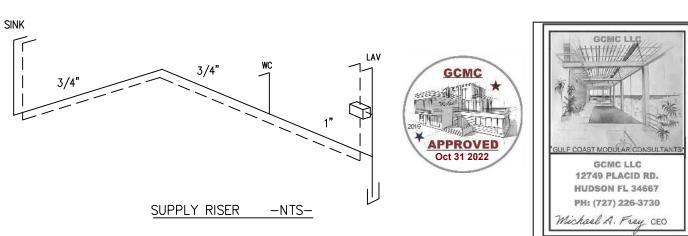
TELEPHONE JACK \$ \$ SWITCH & 3 WAY SWITCH

OS OCCUPANCY SENSOR

FIRE EXTINGUISHER

- (A) (2) 2x4 SPF #2 THIS HALF. (B) (2) 2x4 SPF #2 EACH HALF $\langle C \rangle$ (3) 2x4 SPF #2 THIS HALF. $\langle D \rangle$ (3) 2x4 SPF #2 EACH HALF.
- (E) (4) 2x4 SPF #2 THIS HALF. (F) (4) 2x4 SPF #2 EACH HALF.
- (G) (5) 2x4 SPF #2 THIS HALF. (H) (2) 2x6 SPF #2 EACH HALF.
- ****** WITH RIDGE BEAM BEARING STIFFENER NOTES:
- ALL COLUMN STUDS SHALL BE GLUE/NAILED TOGETHER.
- PVA GLUE WITH 100% COVERAGE SHALL BE USED.
 INSTALL TWO STEEL STRAPS AT EACH STUD OF EACH COLUMN.



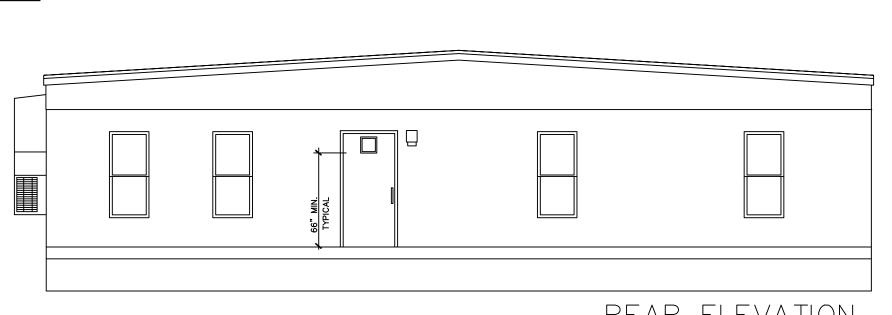


CONSULTING ENGINEER WALTER F. WOOD, P.F. 168 W. LONGLEAF DR. SYLVESTER, GA. 31791 TER E. WOOD CLENS No. 61323 VALIDE STATE OF STATE STATE OF 10-31-2022

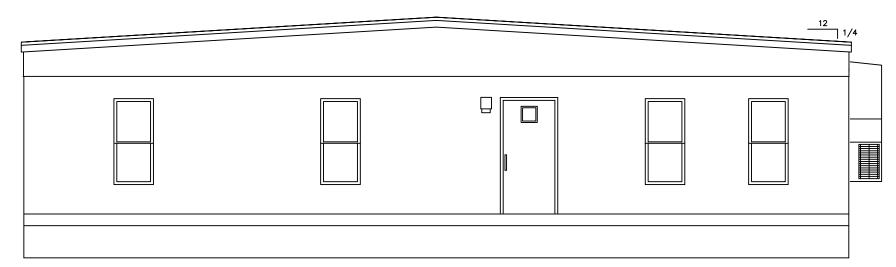
ALMA, GA 31510 (912) 632-3344 APOLLO MODULAR SYSTEMS, INC. 2162 INDUSTRIAL BLVD. DOUGLAS, GA 31533 (912) 632-3344 DATE: 10-27-22 SCALE: NO SCALE CODES: SEE NOTES REVISIONS: STATES: FL. W.E.W. 7342 SHEET TMS/AMS 7342 A/B 22'-0" x 48'-0" BUSINESS 2 OF 4 FLOOR PLAN

LAKE CITY

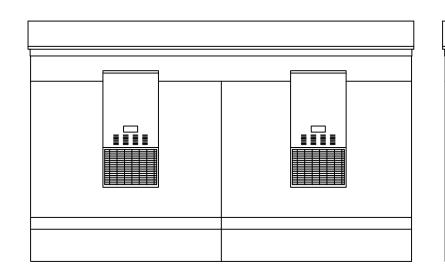
TITAN MODULAR SYSTEMS, INC.



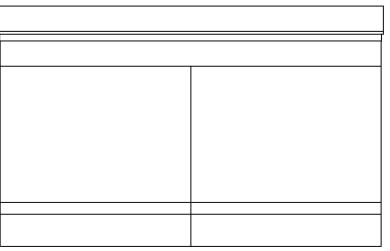
REAR ELEVATION



FRONT ELEVATION



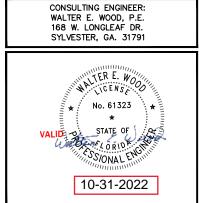
RIGHT ELEVATION



LEFT ELEVATION







TITAN MODULAR SYSTEMS, INC. 162 INDUSTRIAL DRIVE ALMA, GA 31510 (912) 632-3344 APOLLO MODULAR SYSTEMS, INC. 2162 INDUSTRIAL BLVD. DOUGLAS, GA 31533 DATE: 10-27-22 SCALE: 3/16"=1'-0"

ELEVATION NOTES: TYPICAL

SEE-CROSS SECTION FOR METHOD OF ROOF VENTILATION

ACCESSIBLE RAMP(S), STAIR(S), AND HANDRAILS ARE SITE INSTALLED, DESIGNED BY OTHERS, AND SUBJECT TO LOCAL JURISDICTION.

FOUNDATION ENCLOSURE
(WHEN PROVIDED) MUST HAVE
1 SQUARE FOOT NET VENT AREA
PER 1/150TH OF THE FLOOR AREA,
AND AN 18" X 24" MINIMUM CRAWL
SPACE ACCESS, SITE INSTALLED BY
OTHERS SUBJECT TO LOCAL
JURISDICTION.

ELEVATIONS SHOWN ON THIS PAGE
REPRESENT BASIC COMPONENTS & ARE
NOT INTENEDED TO BE ALL INCLUSIVE
NOR DO THESE ELEVATIONS DETAIL EVERY
CODE REQUIRED ASPECT OF THIS BLDG..
SITE BUILT STOOPS, STEPS, DECKS,
PORCHES, HANDRAILS AND/OR SIMILAR
ITEMS MUST BE PROVIDED BY OTHERS ON
SITE FOR COMPLIANCE WITH APPLICABLE
CODES. COMPLIANCE WITH ALL APPLICABLE

CODES. COMPLIANCE WITH ALL APPLICABLE
CODES PER LOCAL AUTHORITY HAVING JURISDICTION, WHETHER DETAILED IN THIS SET OR NOT, MUST BE MET

CODES: SEE NOTES REVISIONS: STATES: FL. W.E.W. 7342 REFERENCE: SHEET TMS/AMS 7342 A/B 22'-0" x 48'-0" BUSINESS 3 OF 4 **ELEVATIONS** LAKE CITY

INTERIOR FINISH MATERIAL:

- T-GRID CEILING INSTALLED PER MANUFACTURERS SPECS. CEILING

WALL - 1/2" GYPSUM BOARD (VCG THROUGHOUT)

FLOOR

LISTED PRODUCT

NOTE:

INTERIOR FINISHES SHALL BE CLASS 'A' FOR EXITS AND OTHER THAN EXITS SHALL BE 'A' OR 'B'

INSTALLED PER MANUFACTURES SPECIFICATIONS.

FLOOR FINISHES SHALL BE NO LESS THAN CLASS II

EXTERIOR FINISH MATERIAL:

ROOF - MULE-HIDE .045 MIL (WHITE) EPDM (ESR-1463) FULLY ADHERED TO 7/16" OSB OR 1/2" PLYWOOD WITH MULE-HIDE FR ADHESIVE IN ACCORDANCE WITH INTERTEK REPORT CCRR-1078 (CLASS C ROOF)

WALL - 29 GAUGE HI-RIB STEEL SIDING OVER APPROVED MOISTURE BARRIER. (DUPONT TYVEK ESR 2375) INSTALLED PER MANUFACTURERS SPECIFICATIONS

PRODUCT APPROVAL INFORMATION:

4553-R13

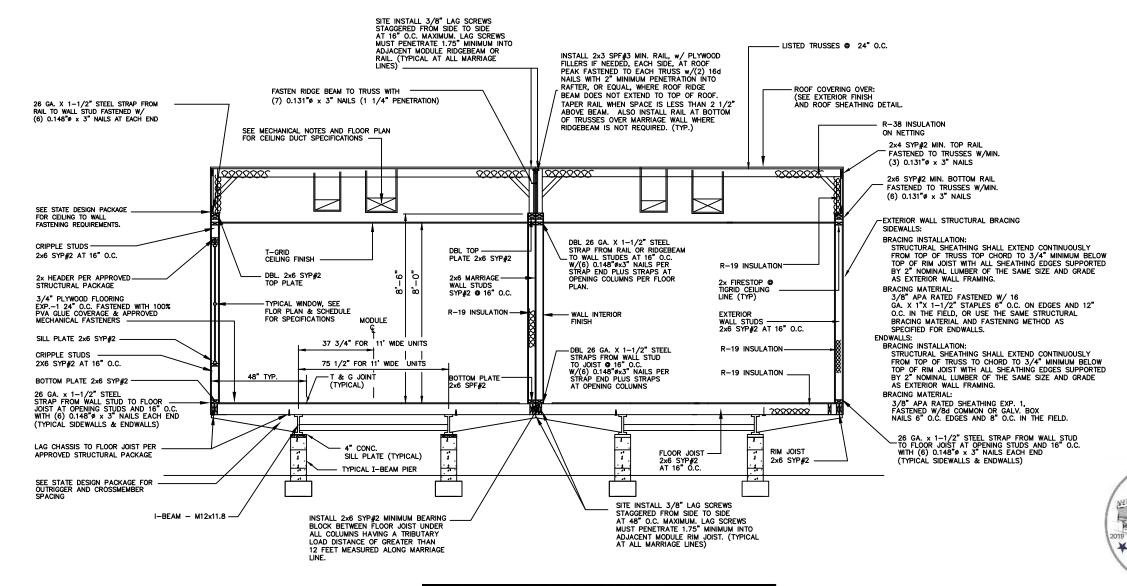
1. CECO DOORS - FLA.#

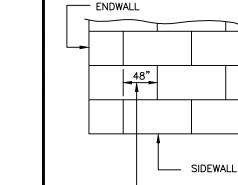
11120-R15 JELD-WEN WINDOWS FLA.# - FLA# ENGINEERED DESIGN

29 GAUGE HI-RIB ROOF DOUGLASS METAL

19566.1-R3 4. (MULEHIDE) ROOF - FLA.#

LIPPERT STRAPS - RADCO LISTING# 1235



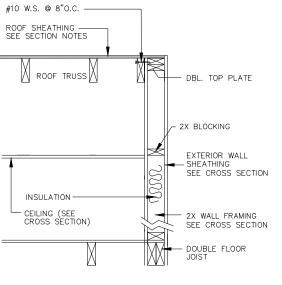


ROOF SHEATHING FASTENED TO RAFTERS W/0.099"ø x 2" NAILS AT 6" O.C. ON EDGES & 6" O.C. IN THE FIELD ON ALL ZONES

ROOF SHEATHING DETAIL

STAGGER JOINTS 48" O.C.

APPROVED TRUSS DESIGN: UNIVERSAL TRUSS MANUFACTURER: F0542402 TRUSS DRAWING. #



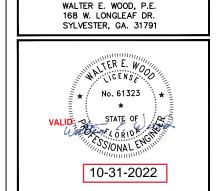
BALLOON END WALL DETAIL

GENERAL CROSS-SECTION NOTES:

- UNLESS OTHERWISE SPECIFIED, ALL STEEL MUST COMPLY W/ ASTM A36, YIELD STRENGTH = $36~\mathrm{KSI}.$
- ALL LAG SCREWS MUST COMPLY W/ ANSI/ ASME B18.2.1. FYR= 60 KSI MINIMUN
- SEE FOUNDATION PLAN FOR PIER AND TIE-DOWN STRAPPING LOCATIONS, ORIENTATIONS, AND SPECIFICATIONS.

TYPICAL FOUNDATION LAYOUT SHOWN IS TO AID THE SITE ENGINEER/ARCHITECT FOR ENGINEER/ARCHITECT FOR LOCATIONS OF REQUIRED SUPPORTS. ACTUAL FOUNDATION MUST BE DESIGNED TO SITE CONDITIONS FOR ALL APPLICABLE LOADS. THIS INCLUDES BUT IS NOT LIMITED TO CONSTRUCTION OF THE FOUNDATION. SEISMIC DESIGN AND ATTACHING THE BUILDING TO THE FOUNDATION, ALONG WITH THE RESISTANCE TO LATERAL LONGITUDINAL SHEAR UPLIFT AND DOWNWARD FORCES IN BOTH DIRECTIONS TYPICAL FOUNDATION IS NOT INTENDED TO BE ALL INCLUSIVE, NOR DOES THIS SET DETAIL EVERY CODE REQUIRED ASPECT OF THIS BUILDING. CÓMPLIANCE WITH ALL APPLICATED CODES PER LOCAL AUTHORITY HAVING JURISDICTION WHETHER DETAILED IN THIS SET OR NOT MUST BE MET.





GCMC

APPROVED

Oct 31 2022

CONSULTING ENGINEER:

TITAN MODULAR SYSTEMS, INC. ALMA, GA 31510 (912) 632-3344 APOLLO MODULAR SYSTEMS, INC. 2162 INDUSTRIAL BLVD. DOUGLAS, GA 31533 DATE: 10-27-22 SCALE: NO SCALE SEE NOTES CODES: REVISIONS: STATES: FL W.E.W. REFERENCE: 7342 SHEET TMS/AMS 7342 A/B 22'-0" x 48'-0" BUSINESS 4 OF 4 CROSS SECTION LAKE CITY

RIDGE BEAM CONSTRUCTION:

(SEE FLOOR PLAN) 3/4" PLYWOOD, RATED SHEATHING, EXP.-1, STRUCT.-1, 5 PLY/5 LAYER, 48/24 EACH HALF CONTINUOUS ENTIRE LENGTH OF BUILDING

NOTES:

NOTES:

PLYWOOD FACE GRAIN MUST BE PARALLEL TO THE RIDGE BEAM SPAN.

ALL PLYWOOD BUTT JOINTS MUST BE STAGGERED 24" MINIMUM.

ALL RIDGE BEAM PLYWOOD LAMINATIONS MUST BE THE SAME DEPTH, THICKNESS, AND GRADE OF PLYWOOD. NO LUMBER OR PLYWOOD FLANGES ARE PERMITED.

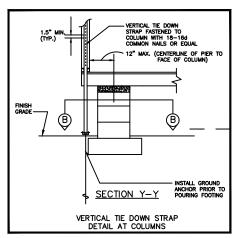
PLYWOOD MUST BE MANUFACTURED IN ACCORDANCE W/ PS 1-95.

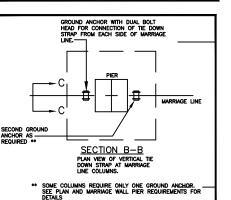
PLYWOOD LAMINATIONS IN EACH HALF OF THE UNITS MUST BE GLUE NAILED TO ADJACENT LAYERS IN ACCORDANCE W/PDS SUPPLEMENT #5, W/ AN ADHESIVE COMPLYING W/ASTM D2559 (SEE APPROVED PACKAGE FOR MECHANICAL FASTENER SPECIFICATIONS & SPACING REQUIRMENTS PLYWOOD MUST NOT BE TREATED W/ A FIRE RETARDANT PROCESS.

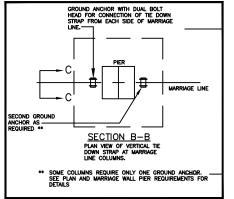
MOISTURE CONTENT MUST BE LESS THAN 16%.

BEAMS SUPPORTED BY ENDWALL COLUMNS MUST EXTEND CONTINUOUS OVER COLUMNS TO EXTERIOR FACE OF ENDWALL.

INSTIAL (2X4) X 20" SPF#3 RIDGE BEAM BEARING STIFFENER OVER SUPPORT COLUMNS, WHEN SPECIFIED ON FLOOR PLAN; FASTEN THE FACE OF THE STIFFENER TO THE RIDGE BEAM W/ 100% GLUE COVERAGE AND (6) 16 GA. X 2-1/2" STAPLES.









THIS FOUNDATION PLAN IS PROVIDED FOR REFERENCE AS A TYPICAL STANDARD. ACTUAL FOUNDATION CONDITIONS MUST BE EVALUATED FOR APPLICABILITY IF THIS PLAN IS TO BE USED. ALTERNATE FOUNDATION PLANS MAY BE DESIGNED BY OTHERS IN ACCORDANCE WITH THE REQUIREMENTS OF THE JURISDICTION HAVING AUTHORITY.

MARRIAGE	WALL P	IER REQUI	REMENTS
PIER Number	MINIMUM SOIL BEARING CAPACITY	PIER TYPE	NUMBER OF VERTICAL TIE DOWN STRAPS REQ'D (EACH MODULE)
1	2000 PSF	D	1
	3000 PSF	C	1
,	2000 PSF	D	2
I '	3000 PSF	С	2

FOUNDATION NOTES:

I. ALL FOUNDATION CONSTRUCTION, MATERIALS, AND INSTALLATION SHALL BE IN ACCORDANCE WITH ALL APPLICABLE STATE AND LOCAL CODES.

2. TIEL-DOWN STRAPS TO BE 1-1/4"x. 0.35" TYPE-1, FINISH B, GRADE 1 ZINC COATED STEEL STRAPPINC CERTIFICED BY A REGISTERCE DENINIER OR ARCHITECT AS CONFORMING WITH ASTIN D3953-91. TIE DOWN STRAPS AND CONNECTING HARDWARE SHALL HAVE 3150/# MINIMUM WORKING CAPACITY.

3. EACH GROUND ANCHOR SHALL HAVE A WORKING CAPACITY NO LESS THAN THE SUM OF THE REQUIRED WORKING CAPACITY ALL TIE DOWN STRAPS CONNECTED TO THE GROUND ANCHOR, SHALL HAVE A WORKING CAPACITY ON LESS THAN THE MANUFACTURER'S SPECIFICATIONS. DESIGN OF GROUND ANCHOR, MINISTRAPS CONNECTED TO THE GROUND ANCHOR, AND SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS. DESIGN OF GROUND ANCHOR, NICLUDING SHAFT LENGTH, NUMBER AND DIAMETER OF HELIZES, ETC., TO BE AS SPECIFIED BY THE GROUND ANCHOR MANUFACTURER FOR THE ACTUAL SOIL TYPE ENCOUNTRED. IF THE HOLDING OR PULLOUT CAPACITIES OF GROUND ANCHORS ARE BELIOW THE ASSUMED DESIGN VALUES, THE ARCHITECT/ENGINEER MUST BE CONSULTED FOR AN ALTERNATE ANCHORAGE DESIGN.

- HOLDING OR PULLOUT CAPACITIES OF GROUND ANCHORS ARE BELOW THE ASSUMED DESIGN VALUES, THE ARCHITECT/ENGINEER MUST BE CONSULTED FOR AN ALTERNATE ANCHORDED DESIGN.

 4. THE PRIST THE LOWN STRAP FROM ENDWALLS SHALL NOT EXCEED 1/2 THE MACKINUM SPACING INDICATED.

 5. ALL PIERS SHALL BE CONSTRUCTED OF CONCRETE MASONRY UNITS CONFORMING TO ASTIM C90. MASONRY UNITS SHALL BE LAUD IN TYPE M OR S MORTAR OR COVERED WITH SURFACE BONDING CEMENT INSTALLED IN ACCORDANCE WITH TIS LISTING. PIER FOOTINGS SHALL BE LAUD IN TYPE M OR S MORTAR OR COVERED WITH SUSTANCE SHOP STALL BE LAUD IN TYPE M OR S MORTAR OR COVERED WITH SUSTANCE SHAPE SHALL BE AS DESCRIBED ABOVE.

 6. MINIMUM CONCRETE FOOTINGS SHALL BE AS DESCRIBED ABOVE.

 6. MINIMUM CONCRETE FOOTING SHALL BE AS DESCRIBED ABOVE.

 7. ALL REINFORCEMENT BARS SHALL COMPLEY WITH ASTA M615, GRADE 60. REINFORCEMENT BARS SHALL COMPLY WITH ASTA M615, GRADE 60. REINFORCEMENT BARS SHALL COMPLY WITH ASTA M615, GRADE 60.

 8. SEE SHEET 1 OF 5 FOR BUILDING DESIGN LOADS.

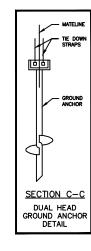
 8. SEE SHEET 1 OF 5 FOR BUILDING DESIGN LOADS.

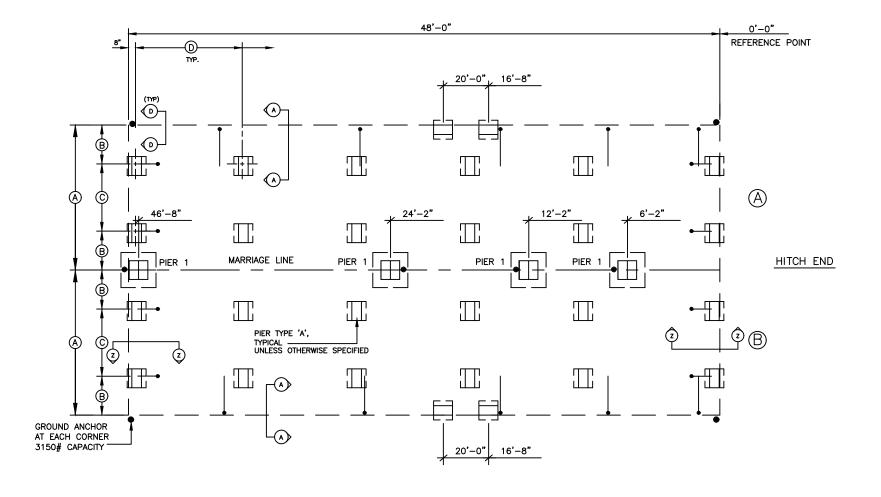
 9. I-BEAM SUPPORT PIERS MAY BE INSTALLED LATERNALY (90° FROM THE ORIENTATION SHOWN ON THE FOUNDATION PLAN). CENTERLINE OF EACH PIER MUST BE LOCATED DIRECTLY SELOW THE I-BEAM CENTERLINE.

 10. SOIL BEARING CAPACITY SHOWN ON THIS PLAN IS ASSUMED. IF THE ACTUAL SOIL BEARING CAPACITY IS LESS THAN 2,000 PSF, THE ARCHITECT/ENGINEER MUST BE CONSULTED FOR REQUIRED ALTERNATE FOUNDATION DESIGN. FOOTINGS SHALL BE PLACED ON NON-EXPANSIVE SOILS ONLY.

 11. INSTALL BLOCK PIER ON EACH SIDE OF ALL EXTERIOR DOOR OPENINGS. (MANUFACTURER'S RECOMMENDATION ONLY OPTIONAL WHEN NOT SHOWN) SLIGHT ADJUSTMENT MAY BE REQUIRED TO INSURE OPENBILITY AFTER INSTALLATION OF BUILDING IS COMPLETE.

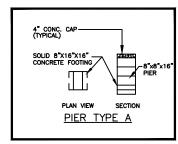
 12. THE FOUNDATION DIMENSIONS SHOWN ON THE ABOVE LAYOUT ARE NOMINAL DIMENSIONS OF THE FACTORY BUILT MODULARS AND DO NOT ACCOUNT FOR GAPS BETWEEN MODULES THAT MAY OCCUR DURING INSTALLATION OF THE BUILDING MODULES THAT MAY OCCUR DURING INSTALLATION OF THE BUILDING MODULES THAT MAY OCCUR DURING INSTALLATION OF THE BUILDING MODUL
- 13. THE AREA UNDER FOOTINGS AND FOUNDATIONS SHALL HAVE ALL VEGETATION,
 STUMPS, ROOTS, AND FOREIGN MATERIALS REMOVED PRIOR TO THEIR CONSTRUCTION

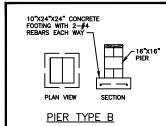


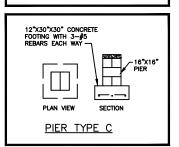


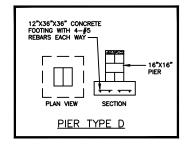
NOTICE TO FOUNDATION CONTRACTOR:

ALL DIMENSIONS. DETAILS AND NOTES ON THIS FOUNDATION PLAN MUST BE REVIEWED AND VERIFIED BY THE ALL DIMENSIONS, DETAILS AND NOTES ON THIS FOUNDATION PLAN MUST BE REVIEWED AND VERIFIED BY THE FOUNDATION CONTRACTOR PRIOR TO COMMENCEMENT OF CONSTRUCTION OF THE FOUNDATION. ANY APPARENT CONFLICTS, ERRORS OR OMISSIONS MUST BE BROUGHT TO THE ATTENTION OF THE DESIGN PROFESSIONAL FOR RESOLUTION PRIOR TO PROCEEDING WITH CONSTRUCTION. THE CONTRACTOR MUST OBTAIN APPROVAL OF THE FOUNDATION PLAN FROM THE LOCAL BUILDING DEPARTMENT PRIOR TO COMMENCING CONSTRUCTION AND MUST COMPLY WITH ALL STATE AND LOCAL CODE, APPROVAL AND AND INSPECTION REQUIREMENTS. GCMC IS NOT THE DESIGNER OF THE BUILDING OR THE FOUNDATION AND IS NOT RESPONSIBLE OR LIABLE FOR ANY CONFLICTS, ERRORS, OMMISSIONS OR FAILURES TO COMPLY WITH STATE OR LOCAL CODES. FOUNDATION ENCLOSURE (WHEN PROVIDED) MUST HAVE 1 SQUARE FOOT NET VENT AREA PER 1/150TH OF THE FLOOR AREA, AND AN 18" X 24" MINIMUM CRAWL SPACE ACCESS, SITE INSTALLED BY OTHERS SUBJECT TO LOCAL JURISDICTION.





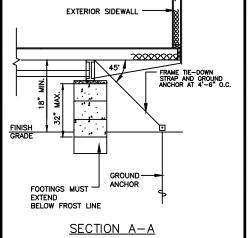




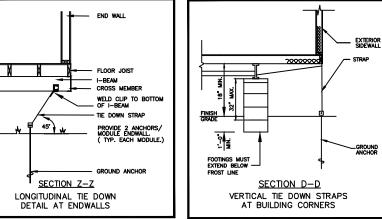
FOUNDATION DIMENSIONS

A MODULE	B PIER TO MODULE EDGE		C STEEL BEAM SPACING
11'-0"	28 1/4"		75 1/2°
D MAXIMUM PIE	R MINIMUM SOIL BEARING CAP		ACITY
5'-0" 8'-0"		2000 PSF 3000 PSF	

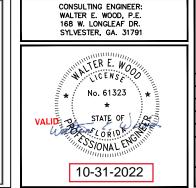
NOTE:
THE NUMBER OF PIERS SHOWN ON THIS FOUNDATION
PLAN IS NO INDICATION OF THE AMOUNT OF PIERS
REQUIRED AND NEEDED FOR THIS BUILDING, SEE
REQUIRED FOR THE SPACING CHARTS ABOVE FOR
THE CORRECT NUMBER OF PIERS REQUIRED FOR
EACH SOIL BERNING CAPACITY, ALSO THE NUMBER
STRAPS (SPACING) WILL BE DETERMIND IN SECTION
A—A. THE NUMBER OF ALL COMPONENTS OF THIS
FOUNDATION PLAN CAN BE FOUND IN THE CHARTS
AND DTAILS ABOVE.



ALL POINTS ALONG I-BEAM SHALL BE WITHIN HALF OF THE SPECIFIED DIMENSIONS OF THE STRAP/ANCHOR LOCATIONS THE FIRST STRAP/ANCHOR LOCATION FROM EACH END WALL SHALL NOT EXCEED HALF OF THE SPECIFIED DIMENSIONS AT END WALLS







TITAN MODULAR SYSTEMS, INC. 162 INDUSTRIAL DRIVE APOLLO MODULAR SYSTEMS, INC. 2162 INDUSTRIAL BLVD. DOUGLAS, GA 31533 (912) 632-3344 DATE: 10-27-22 SCALE: NO SCALE CODES: SEE NOTES STATES: FL. W.E.W. REFERENCE: 7342

TMS/AMS 7342 A/B SHEET 22'-0" x 48'-0" BUSINESS 1 OF 1 DESTINATION FOUNDATION

Florida Building Code, Seventh Edition (2020) - Energy Conservation

EnergyGauge Summit® Fla/Com-2020, Effective Date: Dec 31, 2020

C401.2.3: FBC Total Building Performance Compliance Option

Compliance applying the requirements of Sections C402.5, C403.2, C404,C405.2, C405.4, C405.5, C407 and C408. The building energy cost shall be equal to or less than 85 percent of the standard reference design building.

	Check List
Application include	ations for compliance with the Florida Building Code, Energy Conservation shall
	This Checklist
	The full compliance report generated by the software that contains the project summary, compliance summary, certifications and detailed component compliance reports.
	The compliance report must include the full input report generated by the software as contigous part of the compliance report.
	Boxes appropriately checked in the Mandatory Section of the complaince report.
To incl	NING: INPUT REPORT NOT GENERATED. Sude input report in final submission, go to the Project Form, Settings Tab and check x - "Append Input Report to Compliance Output Report" Terun your calculation



PROJECT SUMMARY

Short Desc: TMS/AMS-7342 AB FL Description: TMS/AMS-7342 AB FL BUSIN

Owner: TITAN MODULAR SYSTEMS INC.

Address1:UNKNOWN AT THIS TIMECity:LAKE CITYAddress2:Enter Address hereState:FLORIDA

Zip: 0

Type: Office Class: New Finished building

Jurisdiction: LAKE CITY, COLUMBIA COUNTY, FL (221200)

Conditioned Area: 1056 SF

No of Stories: 1

Conditioned & UnConditioned Area: 1056 SF

Area entered from Plans 1056 SF

Permit No: 0 Max Tonnage 2

If different, write in:



10/31/2022 Page 2 of 19

Design	Criteria	Result
1,080.0	1,198.0	PASSED
		PASSES
		Not Checked
		No Entry
		Yes/No/NA



Compliance Report

nereby certify that the plans and spe lorida Energy Code	TER E. WOOD TO STATE OF CORNER OF CO	n are in compliance with the
Prepared By: WALTER E. WOO	DD P.E. Building Official:	GCMC
Date: 10-31-2022	Date:	APPROVED
certify that this building is in complia	nce with the FLorida Energy Efficienc	Oct 31 2022
Owner Agent:	Date:	
	Date:ertify (*) that the system design is in co	
Required by Florida law, I hereby co	ertify (*) that the system design is in c	
Required by Florida law, I hereby co fficiency Code	ertify (*) that the system design is in o	ompliance with the Florida Energy
Required by Florida law, I hereby confficiency Code Architect: Electrical	ertify (*) that the system design is in control Reg No:	compliance with the Florida Energy Signature
Required by Florida law, I hereby confficiency Code Architect: Electrical Designer: Lighting	ertify (*) that the system design is in control Reg No: Reg No: Reg No: Reg No: Reg No:	compliance with the Florida Energy Signature Signature
Required by Florida law, I hereby confficiency Code Architect: Electrical Designer: Lighting Designer: Mechanical	ertify (*) that the system design is in content of	compliance with the Florida Energy Signature Signature Signature

Title: TMS/AMS-7342 AB FL BUSINESS

Type: Office

(WEA File: FL_JACKSONVILLE_INTL_ARPT.tm3)

Building End Uses

GCMC *	1) Proposed	2) Baseline
Total APPROVED Oct 31 2022	68.60	89.40
	\$1,080	\$1,410
ELECTRICITY(MBtu/kWh/\$)	68.60	89.40
	20109	26199
	\$1,080	\$1,410
AREA LIGHTS	4.40	8.70
	1286	2555
	\$69	<i>\$137</i>
MISC EQUIPMT	15.80	15.80
	4642	4642
	\$249	\$250
PUMPS & MISC	0.10	0.10
	32	39
	\$2	\$2
SPACE COOL	10.80	9.90
	3175	2888
	\$170	\$155
SPACE HEAT	1.00	3.50
	279	1024
	\$15	\$55
VENT FANS	36.50	51.40
	10695	15051
	\$574	\$810

Credits Applied: None PASSES

Passing Criteria = 1198

Design (including any credits) = 1080

Passing requires Proposed Building cost to be at most 85% of

Baseline cost. This Proposed Building is at 76.6%

Title: TMS/AMS-7342 AB FL BUSINESS

Type: Office

(WEA File: FL_JACKSONVILLE_INTL_ARPT.tm3)

External	Lighting	Compliance
----------	----------	------------

External Lighting Compliance						
Description	Category	Tradable?	Allowance (W/Unit)	Area or Length or No. of Units (Sqft or ft)	ELPA (W)	CLP (W)
Ext Light 17	Main entries	Yes	21.00	3.0	63	60
Ext Light 18	Other (doors) than main entries	Yes	21.00	3.0	63	60

Tradable Surfaces: 120 (W) Allowance for Tradable: 626 (W)

PASSES

All External Lighting: 120 (W)

Complicance check includes a excess/Base allowance of 500.00(W)

Project: TMS/AMS-7342 AB FL

Title: TMS/AMS-7342 AB FL BUSINESS

Type: Office

(WEA File: FL_JACKSONVILLE_INTL_ARPT.tm3)

Lighting Controls Compliance

Acronym	Ashrae Description ID	Area (sq.ft)	Design CP	Min CP	Compliance
Pr0Zo1Sp1	17 Office - Enclosed	1,056	4	1	PASSES

PASSES



10/31/2022 Page 6 of 19

Title: TMS/AMS-7342 AB FL BUSINESS

Type: Office

(WEA File: FL_JACKSONVILLE_INTL_ARPT.tm3)

System Report Compliance

Pr0Sy1 System 1 Constant Volume Air Cooled No. of Units Split System < 65000 Btu/hr 2

Component	Category	Capacity	Design Eff	Eff Criteria	Design IPLV	IPLV Criteria	Comp- liance
Cooling System	Air Conditioners Air Cooled Split System < 65000 Btu/h Cooling Capacity	24000	15.00	13.00	11.20		PASSES
Heating System	Electric Furnace	24000	1.00	1.00			PASSES
Air Handling System -Supply	Air Handler (Supply) - Constant Volume	1000	0.10	0.82			PASSES
Air Handling System - Return	Air Handler (Return) - Constant Volume	1500	0.80	0.82			PASSES
Air Distribution System (Sup)	Not in Check list - Compliance Ignored		6.00	6.00			N/A

PASSES

Plant Compliance								
Description	Installed No	Size	Design Eff	Min Eff	Design IPLV	Min IPLV	Category	Comp liance
Electric domestic hot-water heater	1	2	100.000	100.000			Electric Water heater	PASSES



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Title: TMS/AMS-7342 AB FL BUSINESS

Type: Office

Water Heater Compliance							
Description	Туре	Category	Design Eff	Min Eff	Design Loss	Max Loss	Comp liance
Water Heater 1	Electric Instantaneous Water Heater	Unknown	1.90				Not Checked

		Piping S	System Co	ompliance	e		
Category	Pipe Dia [inches]	Is Runout?	Operating Temp [F]	Ins Cond [Btu-in/hr .SF.F]	Ins Thick [in]	Req Ins Thick [in]	_



Mandatory Requirements (as applicable)

Requirements compiled by US Department of Energy and Pacific Northwest National Laboratory. Adopted for FBC with permission. Not all may be applicable

Topic	Section	Component	Description	Yes N/A Exempt
	1. To	be checked	by Designer or Engineer	
Insulation	C303.2	Envelope	Below-grade wall insulation installed per manufacturer's instructions.	
Insulation	C303.2	Envelope	Slab edge insulation installed per manufacturer's instructions.	
Insulation	C303.2	Envelope	Above-grade wall insulation installed per manufacturer's instructions.	
Insulation	C402.3	Envelope	High-albedo roofs satisfy one of the following: 3-year-aged solar reflectance >= 0.55 and thermal emittance >= 0.75 or 3-year-aged solar reflectance index >= 64.0.	
Fenestration	C402.4.4	Envelope	U-factor of opaque doors associated with the building thermal envelope meets requirements.	
HVAC	C403.2.7	Mechanical	Exhaust air energy recovery on systems meeting Table C403.2.7(1) and C403.2.7(2).	
HVAC	C403.2.4.8	Mechanical	HVAC systems serving guestrooms in Group R-1 buildings with > 50 guestrooms: Each guestroom is provided with controls that automatically manage temperature setpoint and ventilation (see sections C403.2.4.8.1 and C403.2.4.8.2).	
SYSTEM_SPECIFIC	C403.3, C403.3.1, C403.3.2	Mechanical	Air economizers provided where required, meet the requirements for design capacity, control signal, ventilation controls, high-limit shut-off, integrated economizer control, and provide a means to relieve excess outside air during operation.	
SYSTEM_SPECIFIC	C403.3.2	Mechanical	Economizer operation will not increase heating energy use during normal operation.	
SYSTEM_SPECIFIC	C403.3.3.3	Mechanical	Air economizers automatically reduce outdoor air intake to the design minimum outdoor air quantity when outdoor air intake will not reduce cooling energy usage. See Table C403.3.3.3 for	
SYSTEM_SPECIFIC	C403.3.3.4	Mechanical	applicable device types and climate zones. System capable of relieving excess outdoor air during air economizer operation to prevent overpressurizing the building. The relief air outlet located to avoid recirculation into the building.	
SYSTEM_SPECIFIC	C403.3.3.5	Mechanical	Return, exhaust/relief and outdoor air dampers used in economizers have motorized dampers that automatically shut when not in use and meet maximum leakage rates. Reference section C403.2.4.3 for details.	
SYSTEM_SPECIFIC	C403.3.4, C403.3.4.1, C403.3.4.2, C403.3.1	Mechanical	Water economizers provided where required, meet the requirements for design capacity, maximum pressure drop and integrated economizer control.	
SYSTEM_SPECIFIC	C403.4.2.1	Mechanical	Three-pipe hydronic systems using a common return for hot and chilled water are not used.	
SYSTEM_SPECIFIC	C403.4.2.3.1	Mechanical	Hydronic heat pump systems connected to a common water loop meet heat rejection and heat	
SYSTEM_SPECIFIC	C403.4.3.2	Mechanical	addition requirements. Multiple-cell heat rejection equipment with variable speed fan drives are controlled to operate the maximum number of fans allowed and so that all fans operate at the same fan speed required for the instantaneous cooling duty. The minimum fan speed will be the minimum allowable speed of the fan drive system in accordance with the manufacturer's recommendations.	

SYSTEM_SPECIFIC	C403.4.3.4	Mechanical	Open-circuit cooling towers having water cooled chiller systems and multiple or vairable speed condenser pumps, are designed so that tower	
SYSTEM_SPECIFIC	C403.4.4	Mechanical	condenser pumps, are designed so that tower cells can run in parallel with larger of flow crtieria. Supply air systems serving multiple zones have VAV systems with controls configured to reduce the volume of air that is reheated, recooled or	
SYSTEM_SPECIFIC	C403.4.4.1	Mechanical	mixed in each zone. See section for details. Single-duct VAV systems use terminal devices configured to reduce the supply of primary supply	
SYSTEM_SPECIFIC	C403.4.4.2	Mechanical	air before reheating or recooling takes place. Systems that have 1 warm air duct and 1 cool air duct use terminal devices configured to reduce the flow from one duct to a minimum before	
SYSTEM_SPECIFIC	C403.4.4.3	Mechanical	mixing of air from the other duct takes place. Individual dual-duct or mixing heating and cooling systems with a single fan and with total capacities > 90,000 Btu/h not equipped with air	
SYSTEM_SPECIFIC	C404.2	Mechanical	economizers. Service water heating equipment meets efficiency requirements.	
SYSTEM_SPECIFIC	Table_C403.3.2(8)a	Mechanical	Heat Rejection Equipment: Minimum Efficiency Requirement >=40.2 gpm/hp .	
SYSTEM_SPECIFIC	Table_C403.3.2(8)b	Mechanical	Heat Rejection Equipment: Minimum Efficiency Requirement >=20.0 gpm/hp.	
SYSTEM_SPECIFIC	Table_C403.3.2(8)c	Mechanical	Heat Rejection Equipment: Minimum Efficiency Requirement >=16.1 gpm/hp.	
SYSTEM_SPECIFIC	Table_C403.3.2(8)d	Mechanical	Heat Rejection Equipment: Minimum Efficiency Requirement >=7.0 gpm/hp	
SYSTEM_SPECIFIC	Table_C403.3.2(8)e	Mechanical	Heat Rejection Equipment: Minimum Efficiency Requirement >=134 kBtu/h-hp w/ Ammonia test fluid.	
SYSTEM_SPECIFIC	Table_C403.3.2(8)f	Mechanical	Heat Rejection Equipment: Minimum Efficiency Requirement >=110 kBtu/h-hp w/ Ammonia test fluid.	
SYSTEM_SPECIFIC	Table_C403.3.2(8)g	Mechanical	Heat Rejection Equipment: Minimum Efficiency Requirement >=157 kBtu/h-hp w/ R-507A test fluid.	
SYSTEM_SPECIFIC	Table_C403.3.2(8)h	Mechanical	Heat Rejection Equipment: Minimum Efficiency Requirement >=135 kBtu/h-hp w/ R-507A test fluid.	
SYSTEM_SPECIFIC	Table_C403.3.2(8)i	Mechanical	Heat Rejection Equipment: Minimum Efficiency Requirement >=176 kBtu/h-hp.	
SYSTEM_SPECIFIC	C403.2.12.1	Mechanical	HVAC fan systems at design conditions do not exceed allowable fan system motor nameplate hp or fan system bhp.	
SYSTEM_SPECIFIC	C403.2.12.2	Mechanical	HVAC fan motors not oversized beyond allowable limits.	
SYSTEM_SPECIFIC	C403.2.12.3	Mechanical	Fans have efficiency grade (FEG) >= 67. The total efficiency of the fan at the design point of operation <= 15% of maximum total efficiency of	
SYSTEM_SPECIFIC	C403.2.12.4	Mechanical	the fan. Motors for fans that are not less than 1/12 hp and less than 1 hp are electronically commutated motors or have a minimum motor efficiency of 70 percent. These motors have the means to adjust	
SYSTEM_SPECIFIC	C403.2.12.5	Mechanical	motor speed. Each DX cooling system > 65 kBtu and chiller water/evaporative cooling system with fans > 1/4 hp are designed to vary the indoor fan airflow as a function of load and comply with detailed requirements of this section.	
	2	2. To be ched	cked by Plan Reviewer	
Plan Review	C103.2	Envelope	Plans and/or specifications provide all information with which compliance can be determined for the building envelope and document where exceptions to the standard are claimed.	

Plan Review	C103.2	Mechanical	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the mechanical systems and equipment and document where exceptions to the standard are claimed. Load calculations per acceptable engineering standards and	
Plan Review	C103.2	Mechanical	handbooks. Plans, specifications, and/or calculations provide all information with which compliance can be determined for the service water heating systems and equipment and document where exceptions to the standard are claimed. Hot water system	
Plan Review	C103.2	Interior Lighting	sized per manufacturer's sizing guide. 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	
Plan Review	C103.2	Exterior Lighting	ballasts, transformers and control devices. 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 ballate transformers and control devices.	
Insulation	C402.2.5	Envelope	ballasts, transformers and control devices. Slab edge insulation depth/length. Slab insulation extending away from building is covered by	
Insulation	C402.2.4	Envelope	pavement or >= 10 inches of soil. Installed floor insulation type and R-value consistent with insulation specifications reported	
Insulation	C402.2.6	Project	in plans and COMcheck reports. Radiant heating systems panels insulated to >=R-3.5 on face opposite space being heated.	
HVAC	C402.2.6	Mechanical	Thermally ineffective panel surfaces of sensible heating panels have insulation >= R-3.5.	
Insulation	C402.2.6	Envelope	Radiant panels and associated components, designed for heat transfer from the panel surfaces to the occupants or indoor space are insulated with a minimum of R-3.5.	
Air Leakage	C402.5.7	Envelope	Vestibules are installed on all building entrances. Doors have self-closing devices.	
HVAC	C403.2.13	Mechanical	Systems that heat outside the building envelope are radiant heat systems controlled by an	
HVAC	C403.2.4.2	Mechanical	occupancy sensing device or timer switch. Each zone equipped with setback controls using automatic time clock or programmable control system.	
HVAC	C403.2.4.2	Mechanical	Each zone equipped with setback controls using automatic time clock or programmable control	
HVAC	C403.2.4.2	Mechanical	system. Each Zone equipped with setback controls using automatic time clock or programmable control	
SYSTEM_SPECIFIC	C403.2.4.4	Mechanical	system. Zone isolation devices and controls installed where applicable.	
SYSTEM_SPECIFIC	C403.2.4.4	Mechanical	Zone isolation devices and controls installed where applicable.	
SYSTEM_SPECIFIC	C403.2.4.7	Mechanical	Fault detection and diagnostics installed with air-cooled unitary DX units having economizers.	
SYSTEM_SPECIFIC	C403.2.5	Mechanical	Hot water boilers supplying heat via one- or two-pipe systems include outdoor setback control.	
HVAC	C403.2.6	Mechanical	Natural or mechanical ventilation is provided in accordance with International Mechanical Code Chapter 4. Mechanical ventilation has capability to reduce outdoor air supply to minimum per IMC Chapter 4.	

HVAC	C403.2.6.1	Mechanical	Demand control ventilation provided for spaces >500 ft2 and >25 people/1000 ft2 occupant density and served by systems with air side	
			economizer, auto modulating outside air damper	
			control, or design airflow >3,000 cfm.	
SYSTEM_SPECIFIC	C403.2.12.5.1	Mechanical	Hydronic and multizone HVAC system controls are VAV fans driven by mechanical or electrical	\Box \Box \Box
			variable speed drive per Table C403.2.12.5.	
SYSTEM_SPECIFIC	C403.2.12.5.3	Mechanical	Reset static pressure setpoint for DDC controlled VAV boxes reporting to central controller based on	
SVSTEM SDECIEIC	C403.4.2	Mechanical	the zones requiring the most pressure. The heating of fluids in hydronic systems that	
SYSTEM_SPECIFIC	C403.4.2	Medianical	have been previously mechanically cooled, and	
			the cooling of fluids that have been previously	
			mechanically heated are limited in accordance	
			with Sections C403.4.2.1-C403.4.2.3. Single	
			boiler systems >500,000 Btu/h have multistaged or modulating burner.	
SYSTEM_SPECIFIC	C403.4.2.3.2	Mechanical	Closed-circuit cooling tower within heat pump loop	
_			have either automatic bypass valve or lower	
			leakage positive closure dampers. Open-circuit	
			tower within heat pump loop have automatic valve to bypass all heat pump water flow around the	
			tower. Open- or closed-circuit cooling towers used	
			in conjunction with a separate heat exchanger	
			have heat loss by shutting down the circulation	
			pump on the cooling tower loop. Open- or closed circuit cooling towers have a separate heat	
			exchanger to isolate the cooling tower from the	
			heat pump loop, and heat loss is controlled by	
			shutting down the circulation pump on the cooling tower loop.	
SYSTEM_SPECIFIC	C403.4.2.4	Mechanical	Hydronic systems greater than 500,000 Btu/h	
			designed for variable fluid flow. See section	
SYSTEM_SPECIFIC	C403.4.2.5	Mechanical	language for full details. System turndown requirement met through	
01012M_0120H10	0 100. 1.2.0	Moonamoar	multiple single-input boilers, one or more	
			modulating boilers, or a combination of	
			single-input and modulating boilers.	
			Boiler input between 1.0 MBtu/h and 5 MBtu/h has 3:1 turndown ratio, boiler input between 5.0	
			MBtu/h and 10 MBtu/h has 4:1 turndown ratio,	
			boiler input > 10.0 MBtu/h has 5:1 turndown ratio.	
SYSTEM_SPECIFIC	C403.4.2.6	Mechanical	Chilled water plants with multiple chillers have capability to reduce flow automatically through the	
			capability to reduce now automatically through the chiller plant when a chiller is shut down.	
			Boiler plants with multiple boilers have the	
			capability to reduce flow automatically through the	
SYSTEM_SPECIFIC	C403.4.3.1	Mechanical	boiler plant when a boiler is shut down. Fan systems with total system motor capacity >=5	
STOTEM_OF LOH TO	0-1000.1	Modifical	hp associated with heat rejection equipment	
			configured to automatically modulate the fan	
			speed to control the leaving fluid temperature or	
			condensing temp/pressure of heat rejection device.	
SYSTEM_SPECIFIC	C403.4.3.3	Mechanical	Centrifugal fan open-circuit cooling towers having	
			combined rated capacity >= 1100 gpm meets	
CVCTEM CDECITIO	C402 4 4 5	Moohowital	minimum efficiency requirement: >=40.2 gpm/hp.	
SYSTEM_SPECIFIC	C403.4.4.5	Mechanical	Multiple zone HVAC systems have supply air temperature reset controls.	
SYSTEM_SPECIFIC	C403.4.4.6	Mechanical	Multiple zone VAV systems with DDC of individual	
			zone boxes have static pressure setpoint reset	
			controls.	

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SYSTEM_SPECIFIC	C404.2.1	Mechanical	Gas-fired water-heating equipment installed in	
SYSTEM_SPECIFIC	C404.2.1	Mechanical	new buildings: where a singular piece of water-heating equipment >= 1,000 kBtu/h serves the entire building, thermal efficiency >= 90 Et. Where multiple pieces of water-heating equipment serve the building with combined rating >= 1,000 kBtu/h, the combined input-capacity-weighted-average thermal efficiency >= 90 Et. Exclude input rating of equipment in individual dwelling units and equipment <= 100 kBtu/h. Gas-fired water-heating equipment installed in new buildings: where a singular piece of water-heating equipment >= 1,000 kBtu/h serves the entire building, thermal efficiency >= 90 Et. Where multiple pieces of water-heating equipment serve the building with combined rating >= 1,000 kBtu/h, the combined input-capacity-weighted-average thermal efficiency >= 90 Et. Exclude input rating of equipment in individual	
SYSTEM_SPECIFIC	C404.4	Mechanical	dwelling units and equipment <= 100 kBtu/h. All piping insulated in accordance with section details and Table C403.2.10.	
SYSTEM_SPECIFIC	C404.5, C404.5.1, C404.5.2	Mechanical	Heated water supply piping conforms to pipe length and volume requirements. Refer to section details.	
SYSTEM_SPECIFIC	C404.6.3	Mechanical	Pumps that circulate water between a heater and storage tank have controls that limit operation from startup to <= 5 minutes after end of heating cycle.	
SYSTEM_SPECIFIC	C404.7	Mechanical	Demand recirculation water systems have controls that start the pump upon receiving a signal from the action of a user of a fixture or appliance and limits the temperature of the water entering the cold-water piping to 104°F.	
Wattage	C405.4.1	Exterior Lighting	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.	
Plan Review	C405.5.2	Project	Group R-2 dwelling units have separate electrical meters.	
Plan Review	C406	Project	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the additional energy efficiency package options.	
SYSTEM_SPECIFIC	C408.2.2.2	Mechanical	HVAC hydronic heating and cooling coils have means to balance and have pressure test connections.	
		3. To be cho	ecked by Inspector	
Insulation	C303.1	Envelope	Roof insulation installed per manufacturer's instructions. Blown or poured loose-fill insulation is installed only where the roof slope is $c=3$ in 12	
Insulation	C303.1	Envelope	is installed only where the roof slope is <=3 in 12. Building envelope insulation is labeled with R-value or insulation certificate providing R-value	
Insulation	C402.2.2	Envelope	and other relevant data. Insulation installed on a suspended ceiling having ceiling tiles is not being specified for roor/ceiling assemblies. Continuous insulation board installed in 2 or more layers with edge joints offset between layers.	
Insulation	C402.2.2	Envelope	Skylight curbs are insulated to the level of roofs with insulation above deck or R-5.	
Fenestration	C303.1.3	Envelope	Fenestration products rated in accordance with NFRC.	
Insulation	C303.2, C402.2.5	Envelope	Floor insulation installed per manufacturer's instructions. Cavity or structural slab insulation installed in permanent contact with underside of decking or structural slabs.	

Insulation	C303.2.1	Envelope	Exterior insulation protected against damage, sunlight, moisture, wind, landscaping and	
Insulation	C303.2.1	Envelope	equipment maintenance activities. Exterior insulation is protected from damage with a protective material. Verification for exposed foundation insulation may need to occur during	
Insulation	C402.1.3	Envelope	Foundation Inspection. Non-swinging opaque doors have R-4.75 insulation.	
Insulation	C104	Envelope	Installed above-grade wall insulation type and R-value consistent with insulation specifications	
Insulation	C104	Envelope	reported in plans and COMcheck reports. Installed slab-on-grade insulation type and R-value consistent with insulation specifications	
Insulation	C104	Envelope	reported in plans and COMcheck reports. Installed roof insulation type and R-value consistent with insulation specifications reported in plans and COMcheck reports. For some ceiling systems, verification may need to occur during	
Air Leakage	C402.5	Envelope	Framing Inspection. Building envelope contains a continuous air barrier that has been tested and deemed to limit	
Air Leakage	C402.5.1	Envelope	air leakage <= 0.40 cfm/ft2. The building envelope contains a continuous air barrier that is sealed in an approved manner and either constructed or tested in an approved manner. Air barrier penetrations are sealed in an approved manner.	
Air Leakage	C402.5.1.1	Envelope	All sources of air leakage in the building thermal envelope are sealed, caulked, gasketed, weather stripped or wrapped with moisture vapor-permeable wrapping material to minimize air leakage.	
Air Leakage	C402.5.1.2.1	Envelope	The building envelope contains a continuous air barrier that is sealed in an approved manner and material permeability <= 0.004 dfm/ft2. Air barrier	
Air Leakage	C402.5.1.2.2	Envelope	penetrations are sealed in an approved manner. The building envelope contains a continuous air barrier that is sealed in an approved manner and average assembly air leakage <= 0.04 cfm/ft2. Air barrier penetrations are sealed in an approved	
Air Leakage	C402.5.2, C402.5.4	Envelope	manner. Factory-built fenestration and doors are labeled as meeting air leakage requirements.	
Air Leakage	C402.5.5, C403.2.4.3	Envelope	Stair and elevator shaft vents have motorized dampers that automatically close. Refernece section C403.2.4.3 for operational details.	
Air Leakage	C402.5.6	Envelope	Weatherseals installed on all loading dock cargo door openings and provide direct contact along the top and sides of vehicles parked in the	
Air Leakage	C402.5.6	Envelope	doorway. Weatherseals installed on all loading dock cargo door openings and provide direct contact along the top and sides of vehicles parked in the	
Air Leakage	C402.5.8	Envelope	doorway. Recessed luminaires in thermal envelope to limit infiltration and be IC rated and labeled. Seal	
HVAC	C403.2.1	Mechanical	between interior finish and luminaire housing. HVAC systems and equipment design loads calculated in accordance with ANSI/ASHRAE/ACCA Standard 183 or by an	
SYSTEM_SPECIFIC	C403.2.10	Mechanical	approved equivalent computational procedure HVAC piping insulation insulated in accordance with Table C403.2.10. Insulation exposed to weather is protected from damage and is provided	
HVAC	C403.2.3	Mechanical	with shielding from solar radiation. HVAC equipment efficiency verified.	
SYSTEM_SPECIFIC	C403.2.3	Mechanical	PTAC and PTHP with sleeves 16 in. by 42 in. labeled for replacement only as per Footnote b to Table C403.2.3(3).	

SYSTEM_SPECIFIC	C403.2.3	Mechanical	Centrifugal fan open-circuit cooling towers having combined rated capacity >= 1100 gpm meets	
SYSTEM_SPECIFIC	C403.2.4.1	Mechanical	minimum efficiency requirement: >=38.2 gpm/hp. Heating and cooling to each zone is controlled by a thermostat control. Minimum one humidity control device per installed	
SYSTEM_SPECIFIC	C403.2.4.1.1	Mechanical	humidification/dehumidification system. Heat pump controls prevent supplemental electric resistance heat from coming on when not needed.	
HVAC	C403.2.4.1.2	Mechanical	Thermostatic controls have a 5 °F deadband.	
HVAC	C403.2.4.1.2	Mechanical	Thermostatic controls have a 5 °F deadband.	
HVAC	C403.2.4.1.3	Mechanical	Temperature controls have setpoint overlap restrictions.	
HVAC	C403.2.4.2.1, C403.2.4.2.2	Mechanical	Automatic Controls: Setback to 55°F (heat) and 85°F (cool); 7-day clock, 2-hour occupant	
SYSTEM_SPECIFIC	C403.2.4.2.3	Mechanical	override, 10-hour backup Systems include optimum start controls.	
HVAC	C403.2.4.5, C403.2.4.6	Mechanical	Snow/ice melting system and freeze protection systems have sensors and controls configured to limit service for pavement temperature and outdoor temperature. future connection to controls.	
HVAC	C403.2.6.2	Mechanical	Enclosed parking garage ventilation has automatic contaminant detection and capacity to stage or modulate fans to 50% or less of design	
Air Leakage	C403.2.4.3	Mechanical	capacity. Outdoor air and exhaust systems have motorized dampers that automatically shut when not in use and meet maximum leakage rates. Check gravity dampers where allowed. Reference section	
HVAC	C403.2.9.1, C403.2.9.2	Mechanical	language for operational details. HVAC ducts and plenums insulated in accordance with C403.2.9.1 and constructed in accordance with C403.2.9.2, verification may need to occur	
SYSTEM_SPECIFIC	C403.2.12.5.2	Mechanical	during Foundation Inspection. VAV fans have static pressure sensors located so controller setpoint <=1.2 w.c	
SYSTEM_SPECIFIC	C403.4.2.2	Mechanical	Two-pipe hydronic systems using a common distribution system have controls to allow a deadband >=15 °F, allow operation in one mode for at least 4 hrs before changeover, and have rest controls to limit heating and cooling supply	
SYSTEM_SPECIFIC	C403.4.2.3.3	Mechanical	temperature to <=30 °F. Two-position automatic valve interlocked to shut off water flow when hydronic heat pump with	
SYSTEM_SPECIFIC	C403.4.4.7	Mechanical	pumping system >10 hp is off. Parallel-flow fan-powered VAV air terminals have automatic controls configured to 1) turn off the terminal fan except when space heating is required or where required for ventilation, 2) turn on the terminal fan as the first stage of heating	
SYSTEM_SPECIFIC	C403.2.12.5.3	Mechanical	before the heating coil is activated, and 3) during heating for warmup or setback temperature control, either operate the terminal fan and heating coil without primary air or, reverse the terminal damper logic and provide heating from the central air handler by primary air. Systems with DDC of individual zones reporting to the central control panel configured to reset the static pressure setpoint based on zone requiring the most pressure. The DDC is capable of monitoring zone damper positions or have an alternative method of indicating the need for static pressure. See section for details.	

SYSTEM_SPECIFIC	C403.2.12.5.2	Mechanical	Static pressure sensors used to control VAV fans located such that the controller setpoint is <= 1.2 inches w.c Where this results in one or more sensors being located downstream of major duct	
			splits, not less than one sensor located on each	
SYSTEM_SPECIFIC	C403.4.5	Mechanical	major branch. Condenser heat recovery system that can heat water to 85 °F or provide 60% of peak heat relection is installed for prohebiting of continuous	
			rejection is installed for preheating of service hot water.	
SYSTEM_SPECIFIC	C403.4.6	Mechanical	Hot gas bypass limited to: <=240 kBtu/h – 50% >240 kBtu/h – 25%	
SYSTEM_SPECIFIC	C404.3	Mechanical	Heat traps installed on supply and discharge piping of non-circulating systems.	
SYSTEM_SPECIFIC	C404.6.1	Mechanical	Controls are installed that limit the operation of a recirculation pump installed to maintain temperature of a storage tank. System return pipe is a dedicated return pipe or a cold water supply	
SYSTEM_SPECIFIC	C404.6.1, C404.6.2	Mechanical	pipe. Automatic time switches installed to automatically switch off the recirculating hot-water system or	
SYSTEM_SPECIFIC	C404.9.1	Mechanical	heat trace. Pool heaters are equipped with on/off switch and no continuously burning pilot light.	
SYSTEM_SPECIFIC	C404.9.2	Mechanical	Time switches are installed on all pool heaters and pumps.	
SYSTEM_SPECIFIC	C404.9.3	Mechanical	Vapor retardant pool covers are provided for heated pools and permanently installed spas.	
Controls	C405.2.1, C405.2.1.1	Interior Lighting	Occupancy sensors installed in classrooms/lecture/training rooms, conference/meeting/multipurpose rooms, copy/print rooms, lounges/breakrooms, enclosed offices, open plan office areas, restrooms, storage rooms, locker rooms, warehouse storage areas, and other spaces <= 300 sqft that are enclosed by floor-to-ceiling height partitions. Reference section language C405.2.1.2 for control function in warehouses and section C405.2.1.3 for open	
Controls	C405.2.1.2	Interior Lighting	plan office spaces. Occupancy sensors control function in warehouses: In warehouses, the lighting in aisleways and open areas is controlled with occupant sensors that automatically reduce lighting power by 50% or more when the areas are unoccupied. The occupant sensors control lighting in each aisleway independently and do not control lighting beyond the aisleway being	
Controls	C405.2.1.3	Interior Lighting	controlled by the sensor. Occupant sensor control function in open plan office areas: Occupant sensor controls in open office spaces >= 300 sq.ft. have controls 1) configured so that general lighting can be controlled separately in control zones with floor areas <= 600 sq.ft. within the space, 2) automatically turn off general lighting in all control zones within 20 minutes after all occupants have left the space, 3) are configured so that general lighting power in each control zone is reduced by >= 80% of the full zone general lighting power within 20 minutes of all occupants leaving that control zone, and 4) are configured such that any daylight responsive control will activate space general lighting or control zone general lighting only when occupancy for the same area is detected.	
Controls	C405.2.2, C405.2.2.1, C405.2.2.2	Interior Lighting	Each area not served by occupancy sensors (per C405.2.1) have time-switch controls and functions detailed in sections C405.2.2.1 and C405.2.2.2.	

Controls	C405.2.2.2	Interior Lighting	Spaces required to have light-reduction controls have a manual control that allows the occupant to reduce the connected lighting load in a reasonably uniform illumination pattern >= 50	
Controls	C405.2.3, C405.2.3.1, C405.2.3.2	Interior Lighting	percent. Daylight zones provided with individual controls that control the lights independent of general area lighting. See code section C405.2.3 Daylight-responsive controls for applicable spaces, C405.2.3.1 Daylight responsive control function and section C405.2.3.2 Sidelit zone.	
Controls	C405.2.4	Interior Lighting	Separate lighting control devices for specific uses installed per approved lighting plans.	
Wattage	C405.2.4	Interior Lighting	Additional interior lighting power allowed for special functions per the approved lighting plans and is automatically controlled and separated from general lighting.	
Controls	C405.2.6	Exterior Lighting	Exterior lighting systems shall be provided with controls that comply with Sections C405.2.6.1 through C405.2.6.4. Decorative lighting systems shall comply with Sections C405.2.6.1, C405.2.6.2, and C405.2.6.4.	
Wattage	C405.3.1	Interior Lighting	Interior installed lamp and fixture lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are	
Mandatory Additional Eff	C406.4	Project	less than or equal to allowed watts. Enhanced digital lighting controls efficiency package: Interior lighting has following enhanced lighting controls in accordance with Section C405.2.2: Luminaires capable of continuous dimming and being addressed individually, <= 8 luminaires controlled in combination in a daylight zone, digital control system for fixtures, "Sequence of Operations" documentation, and functional testing per Section C408.	
Mandatory Additional Eff	C406.6	Project	Dedicate outdoor air system efficiency package: Buildings with hydronic and/or multiple-zone HVAC systems are equipped with an independent ventilation system designed to provide >= 100-percent outdoor air to each individual occupied space, as specified by the IMC. The ventilation system is capable of total energy recovery and includes HVAC system controls that manage temperature resets >= 25 percent of delta design supply-air / room-air temp. Reference section C406.6 for qualifying systems/equipment.	
Mandatory Additional Eff	C406.7, C406.7.1	Project	Enhanced Service Water Heat System efficiency package. One of the following SWH system enhancements must satisfy 60 percent of buildings annual hot water requirements, or 100 percent if the building requirements otherwise complies with heat recovery per Section C403.9.5: Waste heat recovery (from SWH, process equipment, OR on-site renewable water-heating.	
HVAC	C408.2.2.1	Mechanical	Air outlets and zone terminal devices have means for air balancing.	
Testing	C408.2.3.2	Mechanical	HVAC control systems have been tested to ensure proper operation, calibration and adjustment of controls.	

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HVAC	C403.2.14, C403.2.14.1, C403.2.14.2	Mechanical	Commercial refrigerators, freezers, refrigerator-freezers and refrigeration equipment, defined in U.S. 10 CFR part 431.62, shall have an energy use in kWh/day not greater than the values of Table C403.2.14.1(1) when tested and rated in accordance with AHRI Standard 1200. Walk-in cooler and walk-in freezer refrigeration systems, except for walk-in process cooling refrigeration systems as defined in U.S. 10 CFR	
			431.302, shall meet the requirements of Tables C403.2.14.2(1), C403.2.14.2(2) and C403.2.14.2(3).	
4. To	be checked by		roject Completion and Prior to Issue	ance of
Post Construction	C408.1.1,	Interior Lighting	te of Occupancy Furnished O&M instructions for systems and	
	C408.2.5.2	g	equipment to the building owner or designated representative.	
Post Construction	C408.1.1, C408.2.5.3	Mechanical	Furnished O&M manuals for HVAC systems within 90 days of system acceptance.	
Fenestration	C402.4.2.2	Envelope	Skylights in office, storage, automotive service, manufacturing, non-refrigerated warehouse, retail store, and distribution/sorting area have a measured haze value > 90 percent unless	
Post Construction	C408.1.1	Project	designed to exclude direct sunlight. Building operations and maintenance documents will be provided to the owner. Documents will cover manufacturers' information, specifications, programming procedures and means of illustrating to owner how building, equipment and systems are intended to be installed, maintained, and operated.	
Post Construction	C408.2.1	Mechanical	Commissioning plan developed by registered design professional or approved agency.	
Post Construction	C408.2.3.1	Mechanical	HVAC equipment has been tested to ensure proper operation.	
Post Construction	C408.2.3.3	Mechanical	Economizers have been tested to ensure proper operation.	
Post Construction	C408.2.4	Mechanical	Preliminary commissioning report completed and certified by registered design professional or	
Post Construction	C408.2.5.1	Mechanical	approved agency. Furnished HVAC as-built drawings submitted within 90 days of system acceptance.	
Post Construction	C408.2.5.3	Mechanical	An air and/or hydronic system balancing report is provided for HVAC systems.	
Post Construction	C408.2.5.4	Mechanical	Final commissioning report due to building owner within 90 days of receipt of certificate of	
Post Construction	C408.3	Interior Lighting	occupancy. Lighting systems have been tested to ensure proper calibration, adjustment, programming, and	
Post Construction	C405.6	Project	operation. Low-voltage dry-type distribution electric transformers meet the minimum efficiency	
Post Construction	C405.7	Project	requirements of Table C405.6. Electric motors meet the minimum efficiency requirements of Tables C405.7(1) through C405.7(4). Efficiency verified through certification under an approved certification program or the equipment efficiency ratings shall be provided by motor manufacturer (where certification programs do not exist).	
Post Construction	C405.8.2, C405.8.2.1	Project	Escalators and moving walks comply with ASME A17.1/CSA B44 and have automatic controls configured to reduce speed to the minimum permitted speed in accordance with ASME A17.1/CSA B44 or applicable local code when not conveying passengers.	
Post Construction	C405.5.3	Project	Total voltage drop across the combination of feeders and branch circuits <= 5%.	

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Qty Job Truss Type Titan Modular Systems 316 GA SF363407 109601 SLOPING FLAT 1 Ref. #10015953 UFP Industries Inc., Grand Rapids, MI 49525, Weston Gorby 8.430 e Jan 4 2021 MiTek Industries, Inc. Wed Apr 6 14:42:16 2022 Page 1 of 1 Copyright © 2022 UFP Industries, Inc. All Rights Reserved 11-8-0 2-5x8 3x4 0.17 12 2.5×8 384 T1 1-10-0 (1-6-0 to 1-10-0) VV4 WI W3 475# (See Note #13) 1-6-7 11-8-0 (10-6-0 to 11-8-0) Plate Offsets (X,Y)-- [2:0-1-4,0-1-4], [3:Edge,0-1-4], [5:0-1-0,0-1-0], [6:0-1-0,0-1-0] LOADING (psf) SPACING-2-0-0 DEFL. (loc) I/defI L/d **PLATES GRIP** TCLL 20.Ó Plate Grip DOL 1.25 TC 0.99 Vert(LL) >316 240 MT20 244/190 0.43 2-3 Lumber DOL TCDL 15.0 BC 0.00 1 25 Vert(CT) 0.40 2-3 >339 180 0.0 Weight: 53 lb **BCLL** Rep Stress Incr YES WB 0.21 Horz(CT) -0.40n/a n/a FT = 0%**BCDL** 0.0 Code FBC2020/TPI2014 Matrix-R

BRACING-

TOP CHORD

BOT CHORD

verticals

LUMBER-

WEBS

TOP CHORD 2x10 SP No.1

2x4 SP No.2 *Except*

W2,W3: 2x3 SP No.2

REACTIONS. (lb/size) 7=398/0-3-8 (min. 0-1-8), 8=398/0-3-8 (min. 0-1-8)

Max Horz 7=121(LC 6) Max Uplift 7=-393(LC 5), 8=-382(LC 7)

FORCES. (lb) - Maximum Compression/Maximum Tension

TOP CHORD

5-7=-398/908, 1-5=-401/1592, 1-2=-35/89, 2-3=-629/601, 3-4=-30/73, 6-8=-398/915, 4-6=-402/1541

2-5=-955/845, 3-6=-881/855 **WEBS**

NOTES-

1) This truss has been checked for uniform roof live load only, except as noted.

- 2) Wind: ASCE 7-16; Vult=170mph (3-second gust) Vasd=132mph; TCDL=6.0psf; BCDL=0.0psf; h=15ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Corner(3) zone; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.

4) Provide adequate drainage to prevent water ponding.

- 5) The bottom chord dead load shown is sufficient only to cover the truss weight itself and does not allow for any additional load to be added to the bottom chord.
- 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 7) Bearing at joint(s) 7, 8 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 393 lb uplift at joint 7 and 382 lb uplift at joint 8.
- 9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s). The design/selection of such connection device(s) is the responsibility of others.
- 10) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

11) Reference UFP Engineering Bulletin 06-06 for information on re-grading ripped lumber.

- 12) When adjusting the variable span dimension, adjust the post placement dimensions proportional to the change in
- 13) This design has been checked for a horizontal wind load as shown.

14) Based on SF363406

15) Revision: Increased wind speed

The professional engineering seal indicates that a licensed professional engineer has designed the truss under the standards referenced within this document, not necessarily the current state building code. The engineering seal is not an approval to use in a specific state. The final determination on whether a truss design is acceptable under the locally adopted building code rest with the building official or designated appointee.

Structural wood sheathing directly applied, except end

Rigid ceiling directly applied or 10-0-0 oc bracing.

WARNING - Verify design parameters and READ NOTES PHONE (616)-364-6161 FAX (616)-365-0060

2801 EAST BELTLINE RD. NE

Truss shall not be cut or modified without approval of the truss design engineer, This component has only been designed for the loads noted on this drawing. Construction and lifting forces have not been considered. The builder is responsible for lifting methods and system design. Builder responsibilities are defined under TPI1. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically, Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only, Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult BCSI 1-06 from the Wood Truss Council of America and Truss Plate Institute Recommendation available from WTCA, 6300 Enterprise LN, Madison, WI 53719 J:\support\MitekSupp\templates\ufp.tpe



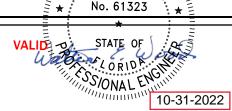


FREEMAN



EnergyGauge Summit® v7.00

INPUT DATA REPORT



Project Information

Project Name: TMS/AMS-7342 AB FL

Orientation: 0 Deg Clockwise. Walls & Windows will

Project Title: TMS/AMS-7342 AB FL BUSINESS

Building Type: be rotated accordingly Office

Address: UNKNOWN AT THIS TIME

Building Classification: New Finished building

Enter Address here

State: FLORIDA

No.of Stories: 1

Zip: 0

GrossArea: 1056

SF

Owner: TITAN MODULAR SYSTEMS INC.

			Zones				
No	Acronym	Description	Туре	Area [sf]	Multiplier	Total Area [sf]	
1	Pr0Zo1	Zone 1	CONDITIONED	1056.0	1	1056.0	

			Spaces						
No Acronym	Description	Туре	Depth [ft]	Width [ft]	Height [ft]	Multi plier	Total Area [sf]	Total Volume [cf]	

						Door	rs							
In Z	one: l In Wall:	Pr0Zo1 Pr0Zo	1Wa1 Pr0Zo1Wa1W	7i1 South	Yes	1.2500	0.82	0.76	2.00	4.50	8	72.0	0	
		No	Description	Orienta	ntion Shaded	l U [Btu/hr sf F]	SHGC	Vis.Tra	W [ft]	H (Effec) [ft]	Multi plier	Total Are	ea	
				Windows (Windows will	be rotated	clockwis	se by bui	ilding rot	tation valu	e)			
In Z	Zone: Pr0Zo1V			0.75 in. stucco, 2x4x16" oc, R11Batt, 0.5 in. g	22.00 syp	48.00 1	1056.0	Sou	ıth	0.0526	0.025	0.30	19.0	
No	Descrip	otion		Туре	Width H [ft]	(Effec) Multi [ft] plier	Area [sf]	Orien		onductance stu/hr. sf. F]	Heat Capacity [Btu/sf.F]	Dens. [lb/cf]	R-Value [h.sf.F/Btu	
				Walls (W	/alls will be ro	tated clock	wise by	building	rotation	value)				
n Zor	ie: l In Space:	Pr0Zo1 Pr0Z 1	Zo1Sp1 Recessed Fl No vent	uorescent - (General Lighting	12		35	420	-	y sensor with		4 [
		No	Туре		Category	No. of Luminair		Vatts per uminaire	Power [W]	Control	Туре		lo.of rl pts	
						Light	ing							
	1 Pr0Zo1	Spl	Zo0Sp1	Offi	ice - Enclosed	22	2.00	48.00	8.50	1 1	.056.0	89	76.0	

In Zone:	Pr0Zo1												
	In Wall:	Pr0Zo1Wa1											
	1	Pr0Zo1Wa1Dr1	Aluminum door, 1.25 in. polystyrene	Yes	3.00	6.70	2	20.1	0.1919	43.67	0.53	5.21	

				Roo	fs							
No	Description	Туре	Width [ft]	H (Effec) [ft]	Multi plier	Area [sf]	Tilt [deg]	Cond. [Btu/hr. Sf. F]	Heat Cap [Btu/sf. F]	Dens. [lb/cf]	R-Value [h.sf.F/Btu]	
n Zone: I	Pr0Zo1 Pr0Zo1Rf1	Shngl/1/2"WD Deck/WD Truss/9" Batt/Gyp Brd	46.67	60.00	1	2800.2	0.00	0.0320	1.50	8.22	31.2	
				Skyligh	ts							

				Sky	lights							
	No	Description	Туре	U [Btu/hr sf F]	SHGC	Vis.Trans	W [ft]	H (Effec) [ft]	Multiplier	Area [Sf]	Total Area [Sf]	
In Zone: In Roof:												

					Floors							
	No	Description	Туре	Width [ft]	H (Effec) [ft]	Multi plier	Area [sf]	Cond. [Btu/hr. sf. F]	Heat Cap. [Btu/sf. F]		R-Value [h.sf.F/Btu]	
In Zone:	1	Pr0Zo1 Pr0Zo1Fl1	1 ft. soil, concrete floor, carpet and rubber pad	22.00	48.00	1	1056	.0 0.2681	34.00	113.33	3.73	

		Systems				
Pr0Sy1	System 1	Constant Vo System < 65	olume Air Cooled Spli 000 Btu/hr	it	No. Of Units 2	
Component	Category	Capacity	Efficiency	IPLV		
1	Cooling System	24000.00	15.00	11.20		
2	Heating System	24000.00	1.00			
3	Air Handling System -Supply	1000.00	0.10			
4	Air Handling System - Return	1500.00	0.80			
5	Air Distribution System (Sup)		6.00			

			Plant			
	Equipment	Category	Size	Inst.No	Eff.	IPLV
1	Electric domestic hot-water heater	Water Heating Equipment	2.0 [Million Btu/h]	1	100.00 [Et]	100.00

	Wa	iter Heaters			
W-Heater Description	Capacity Cap.Unit	I/P Rt.	Efficiency	Loss	
Electric Instantaneous Water Heater (1 units)	1 [Gal]	2 [Kw]	1.9000 [Ef/Et]	[Btu/h]	

			Ext-Ligh	nting				
	Description	Category	No. of Luminaires	Watts per Luminaire	Area/Len/No. of un [sf/ft/No]	its Control Type	Wattage [W]	
1	Ext Light 17	Main entries	1	60	3.00	Photo Sensor control	60.00	
2	Ext Light 18	Other (doors) than main entries	1	60	3.00	Photo Sensor control	60.00	

		Pipir	ıg				
No Type	oe	Operating Temperature [F]	Insulation Conductivity [Btu-in/h.sf.F]	Nomonal pipe Diameter [in]	Insulation Thickness [in]	Is Runout?	

Fenestration Used									
Name	Glass Type	No. of Panes	Glass Conductance [Btu/h.sf.F]	SHGC	VLT				
ASHULSglClrAll Frm	User Defined	1	1.2500	0.8200	0.7600				

	Materials Used										
Mat No	Acronym	Description	Only R-Value Used	RValue [h.sf.F/Btu]	Thickness [ft]	Conductivity [Btu/h.ft.F]	Density [lb/cf]	SpecificHeat [Btu/lb.F]			
264	Matl264	ALUMINUM, 1/16 IN	No	0.0002	0.0050	26.0000	480.00	0.1000			
214	Matl214	POLYSTYRENE, EXP.,	No	5.2100	0.1042	0.0200	1.80	0.2900			
187	Matl187	1-1/4IN, GYP OR PLAS BOARD,1/2IN	No	0.4533	0.0417	0.0920	50.00	0.2000			
178	Matl178	CARPET W/RUBBER PAD	Yes	1.2300							
265	Matl265	Soil, 1 ft	No	2.0000	1.0000	0.5000	100.00	0.2000			
48	Matl48	6 in. Heavyweight concrete	No	0.5000	0.5000	1.0000	140.00	0.2000			
266	Matl266	2x6@16" oc + R19 Batt	Yes	0.0100							
12	Matl12	3 in. Insulation	No	10.0000	0.2500	0.0250	2.00	0.2000			
23	Matl23	6 in. Insulation	No	20.0000	0.5000	0.0250	5.70	0.2000			

81	Matl81	ASPHALT-ROOFING,	Yes	0.1500					
244	Matl244	ROLL PLYWOOD, 1/2IN	No	0.6318	0.0417	0.0660	34.00	0.2900	
1001	ApLbMat1001	R-19 Generic Insulation	No	19.0000	0.4147	0.0218	0.30	0.2000	

					isti dets	Used					
No	Name			Simple Construct	Massless Construct	Conductanc [Btu/h.sf.F]	-	leat Capacity [Btu/sf.F]	Density [lb/cf]	RValue [h.sf.F/Btu]	
1002	Aluminum door, 1	.25 in. polysty	yrene	No	No	0.19		0.53	43.67	5.2	
	Layer	Material No.	Material			Thickness [ft]	Framing Factor				
	1	264	ALUMINUM, 1/16	IN		0.0050	0.000				
	2	214	POLYSTYRENE, E	XP., 1-1/4IN,		0.1042	0.000				
	3	264	ALUMINUM, 1/16	IN		0.0050	0.000				
No	Name			Simple Construct	Massless Construct	Conductanc [Btu/h.sf.F]		leat Capacity [Btu/sf.F]	Density [lb/cf]	RValue [h.sf.F/Btu]	
1005	1 ft. soil, concrete	floor, carpet a	and rubber pad	No	No	0.27		34.00	113.33	3.7	
	Layer	Material No.	Material			Thickness [ft]	Framing Factor				
	1	265	Soil, 1 ft			1.0000	0.000				
	2	48	6 in. Heavyweight c	oncrete		0.5000	0.000				[
	3	178	CARPET W/RUBB	ER PAD			0.000				Γ

No	Name				Simple Construct	Massless Construct	Conduct [Btu/h.:		Heat Capacity [Btu/sf.F]	Density [lb/cf]	RValue [h.sf.F/Btu]	
1009	0.75 in. stu gyp	icco, 2x	4x16" oc, R11	1Batt, 0.5 in.	No	No	0.05	5	0.02	0.30	19.0	
	L	ayer	Material No.	Material			Thickness [ft]	Framing Factor				
		1	1001	R-19 Generic Insula	ntion		0.4147	0.000				
		2	266	2x6@16" oc + R19	Batt		0.2917	0.000				
No	Name				Simple Construct	Massless Construct	Conduct [Btu/h.:		Heat Capacity [Btu/sf.F]	Density [lb/cf]	RValue [h.sf.F/Btu]	
1038	Shngl/1/2" Brd	WD De	ck/WD Truss	/9" Batt/Gyp	No	No	0.03	3	1.50	8.22	31.2	
	L	ayer	Material No.	Material			Thickness [ft]	Framing Factor				
		1	81	ASPHALT-ROOFI	NG, ROLL			0.000				
		2	244	PLYWOOD, 1/2IN			0.0417	0.000				
		3	12	3 in. Insulation			0.2500	0.000				
		4	23	6 in. Insulation			0.5000	0.000				
		5	187	GYP OR PLAS BO	ARD,1/2IN		0.0417	0.000				

Profiles No Classification No Classification 201 Fractional Null Schedule People 2 2 202 Lighting Fractional Null Schedule 203 Infiltration 2 Fractional Null Schedule 204 Equipment 2 Fractional Null Schedule 205 Sources 2 Fractional Null Schedule 206 HeatTemp 202 Set Point 55 207 CoolTemp 201 Set Point 99 208 Hot Water Schedule Fractional Null Schedule ON-OFF Null Schedule 1,001 Heating Schedule Cooling Schedule 1,002 ON-OFF Null Schedule 1 1,003 Fan Operation Schedule 1 ON-OFF Null Schedule ACM-NonRes ACM Nonres 501 501 201 ACM Nonres People People 519 202 Lighting 507 **ACM Nonres Lights** Infiltration ACM Nonres Infiltration 203 516 204 Equipment 510 ACM Nonres Equipment 2 205 Sources Fractional Null Schedule HeatTemp **ACM Nonres Heating** 206 501 207 CoolTemp **ACM Nonres Cooling** 504 208 Hot Water Schedule 522 ACM Nonres Hot Water Always ON 1,001 Heating Schedule 410 1,002 Cooling Schedule 410 Always ON 1,003 Fan Operation Schedule 513 ACM Nonres Fans

Schedules

<u>1</u> 1	On/Off	ON-OFI	F Null Schedule				
Hourly Sch. for: Monday 12/31/1989 ShHr1	Tuesday ShHr1	Wednesday ShHr1	Thursday ShHr1	Friday ShHr1	Saturday ShHr1	Sunday ShHr1	Holiday ShHr1
<u>2</u> 2	Fraction	n Fraction	al Null Schedule				
Hourly Sch. for: Monday 12/31/1989 ShHr2	Tuesday ShHr2	Wednesday ShHr2	Thursday ShHr2	Friday ShHr2	Saturday ShHr2	Sunday ShHr2	Holiday ShHr2
44 44	Absolu	te SetPt78					
Hourly Sch. for: Monday 12/31/1989 ShHr179	Tuesday ShHr179	Wednesday ShHr179	Thursday ShHr179	Friday ShHr179	Saturday ShHr179	Sunday ShHr179	Holiday ShHr179
<u>45</u> 45	Absolu	te Set Poin	t 70				
Hourly Sch. for: Monday 12/31/1989 ShHr180	Tuesday ShHr180	Wednesday ShHr180	Thursday ShHr180	Friday ShHr180	Saturday ShHr180	Sunday ShHr180	Holiday ShHr180
201 201	Absolu	te Set Poin	t 99				
Hourly Sch. for: Monday 12/31/1989 ShHr201	Tuesday ShHr201	Wednesday ShHr201	Thursday ShHr201	Friday ShHr201	Saturday ShHr201	Sunday ShHr201	Holiday ShHr201
202 202	Absolu	te Set Poin	t 55				
Hourly Sch. for: Monday 12/31/1989 ShHr202	Tuesday ShHr202	Wednesday ShHr202	Thursday ShHr202	Friday ShHr202	Saturday ShHr202	Sunday ShHr202	Holiday ShHr202

410 410	On/Off	Always ON				
Hourly Sch. for: Monday 12/31/1989 ShHr410	Tuesday We	ednesday Thursday Hr410 ShHr410	Friday ShHr410	Saturday ShHr410	Sunday ShHr410	Holiday ShHr410
412 412	Absolute	Florida Commercial Ele	ctric Rate			
Hourly Sch. for: Monday 3/31/1989 ShHr413 10/31/1989 ShHr412 12/31/1989 ShHr413	ShHr413 Shl ShHr412 Shl	odnesday Thursday Hr413 ShHr413 Hr412 ShHr412 Hr413 ShHr413	Friday ShHr413 ShHr412 ShHr413	Saturday ShHr415 ShHr412 ShHr415	Sunday ShHr415 ShHr414 ShHr415	Holiday ShHr415 ShHr414 ShHr415
501 501	Absolute	ACM Nonres Heating				
Hourly Sch. for: Monday 12/31/1989 ShHr501	·	ednesday Thursday Hr501 ShHr501	Friday ShHr501	Saturday ShHr502	Sunday ShHr503	Holiday ShHr503
504 504	Absolute	ACM Nonres Cooling				
Hourly Sch. for: Monday 12/31/1989 ShHr504		ednesday Thursday Hr504 ShHr504	Friday ShHr504	Saturday ShHr505	Sunday ShHr506	Holiday ShHr506
507 507	Fraction	ACM Nonres Lights				
Hourly Sch. for: Monday 12/31/1989 ShHr507	· · · · · · · · · · · · · · · · · · ·	ednesday Thursday Hr507 ShHr507	Friday ShHr507	Saturday ShHr508	Sunday ShHr509	Holiday ShHr509
510 510	Fraction	ACM Nonres Equipmen	t			
Hourly Sch. for: Monday 12/31/1989 ShHr510	·	ednesday Thursday Hr510 ShHr510	Friday ShHr510	Saturday ShHr511	Sunday ShHr512	Holiday ShHr512
513 513	On/Off	ACM Nonres Fans				
Hourly Sch. for: Monday 12/31/1989 ShHr513		ednesday Thursday Hr513 ShHr513	Friday ShHr513	Saturday ShHr514	Sunday ShHr515	Holiday ShHr515

<u>516</u> 516	Fraction	n ACM N	onres Infiltration				
Hourly Sch. for: Monday 12/31/1989 ShHr516	Tuesday ShHr516	Wednesday ShHr516	Thursday ShHr516	Friday ShHr516	Saturday ShHr517	Sunday ShHr518	Holiday ShHr518
519 519	Fraction	n ACM N	onres People				
Hourly Sch. for: Monday 12/31/1989 ShHr519	Tuesday ShHr519	Wednesday ShHr519	Thursday ShHr519	Friday ShHr519	Saturday ShHr520	Sunday ShHr521	Holiday ShHr521
522 522	Fraction	n ACM N	onres Hot Water				
Hourly Sch. for: Monday 12/31/1989 ShHr522	Tuesday ShHr522	Wednesday ShHr522	Thursday ShHr522	Friday ShHr522	Saturday ShHr523	Sunday ShHr524	Holiday ShHr524
1,001 1,001	Absolut	e Absolut	e null schedule				
Hourly Sch. for: Monday 12/31/1989 ShHr10001	Tuesday ShHr10001	Wednesday ShHr10001	Thursday ShHr10001	Friday ShHr10001	Saturday ShHr10001	Sunday ShHr10001	Holiday ShHr10001
1,002 1,002	Absolut	e Absolut	e null schedule				
Hourly Sch. for: Monday 12/31/1989 ShHr10002	Tuesday ShHr10002	Wednesday ShHr10002	Thursday ShHr10002	Friday ShHr10002	Saturday ShHr10002	Sunday ShHr10002	Holiday ShHr10002

			H	Iourly	Schedu	les		
Id Acronym Type	Values			Hou	urs 1 thru 8 urs 9 - 16 urs 17 - 24			
1 ShHr1 On/Off On-Off Null Schedule	OFF OFF	OFF OFF	OFF OFF	OFF OFF	OFF OFF	OFF OFF	OFF OFF	OFF OFF
2 ShHr2 Fraction Fraction Null Schedule	OFF 0 0	OFF 0 0	OFF 0 0	OFF 0 0	OFF 0 0	OFF 0 0	OFF 0 0	OFF 0 0
3 ShHr3 Absolute Absolute Null Schedule	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0
179 ShHr179 Absolute Set point 78 F All Day	0 78 78	0 78 78	0 78 78	0 78 78	0 78 78	0 78 78	0 78 78	0 78 78
180 ShHr180 Absolute Set Point 70 F All Day	78 70 70	78 70 70	78 70 70	78 70 70	78 70 70	78 70 70	78 70 70	78 70 70
201 ShHr201 Absolute Set point 99	70 99 99	70 99 99	70 99 99	70 99 99	70 99 99	70 99 99	70 99 99	70 99 99
202 ShHr202 Absolute Set Point 55	99 45 45	99 45 45	99 45 45	99 45 45	99 45 45	99 45 45	99 45 45	99 45 45
410 ShHr410 On/Off Always On schedule	45 ON ON	45 ON ON	45 ON ON	45 ON ON	45 ON ON	45 ON ON	45 ON ON	45 ON ON
411 ShHr411 On/Off Always Off Schedule	ON OFF OFF	ON OFF OFF	ON OFF OFF	ON OFF OFF	ON OFF OFF	ON OFF OFF	ON OFF OFF	ON OFF OFF
412 ShHr412 Absolute Florida Avg. Week Day Summer Elec	OFF 0.03804 0.03804	OFF 0.03804 0.03804	OFF 0.03804 0.03804	OFF 0.03804 0.0686	OFF 0.03804 0.0686	OFF 0.03804 0.0686	OFF 0.03804 0.0686	OFF 0.03804 0.0686
	0.0686	0.0686	0.0686	0.0686	0.0686	0.03804	0.03804	0.03804

413 ShHr413 Absolute Florida Avg. Week Day Winter Electr	0.03804	0.03804	0.03804	0.03804	0.03804	0.0686	0.0686	0.0686
Tiorida Tivg. Week Buy Winter Breek.		0.0686	0.03804	0.03804	0.03804	0.03804	0.03804	0.03804
414 ShHr414 Absolute	0.03804 0.03804	0.0686 0.03804	0.0686 0.03804	0.0686 0.03804	0.0686 0.03804	0.0686 0.03804	0.03804 0.03804	0.03804 0.03804
Florida Avg. Week End Summer Elec	0.03804	0.03804	0.03804	0.03804	0.03804	0.03804	0.03804	0.03804
	0.03804	0.03804	0.03804	0.03804	0.03804	0.03804	0.03804	0.03804
415 ShHr415 Absolute	0.03804	0.03804	0.03804	0.03804	0.03804	0.03804	0.03804	0.03804
Florida Avg. Week End Winter Electric	0.03804	0.03804	0.03804	0.03804	0.03804	0.03804	0.03804	0.03804
	0.03804	0.03804	0.03804	0.03804	0.03804	0.03804	0.03804	0.03804
501 ShHr501 Absolute	60	60	60	60	60	65	65	70
ACM Nonres Heating Weekday	70	70	70	70	70	70	70	70
	70	70	65	60	60	60	60	60
502 ShHr502 Absolute	60	60	60	60	60	65	65	65
ACM Nonres Heating Saturday	65	65	65	65	65	65	65	65
	60	60	60	60	60	60	60	60
503 ShHr503 Absolute	60	60	60	60	60	65	65	65
ACM Nonres Heating Sunday	65	65	65	65	65	65	65	65
	60	60	60	60	60	60	60	60
504 ShHr504 Absolute ACM Nonres Cooling Weekday	77	77	77	77	77	73	73	73
ACM Nonres Cooling Weekday	73	73	73	73	73	73	73	73
	73	73	77	77	77	77	77	77
505 ShHr505 Absolute ACM Nonres Cooling Saturday	77	77	77	77	77	73	73	73
Acivi Nomes Cooling Saturday	73	73	73	73	73	73	73	73
	73	73	77	77	77	77	77	77
506 ShHr506 Absolute ACM Nonres Cooling Sunday	77 73	77	77	77	77	73	73	73
Tien nomes cooming banday		73	73	73	73	73	73	73
	73	73	77	77	77	77	77	77
507 ShHr507 Fraction ACM Nonres Lights Weekday	0.05 0.8	0.05	0.05	0.05	0.1	0.2	0.4	0.7
		0.85	0.85	0.85	0.85	0.85	0.85	0.85
508 ShHr508 Fraction	0.85 0.05	0.8	0.35	0.1 0.05	0.1	0.1 0.1	0.1	0.1
508 ShHr508 Fraction ACM Nonres Lights Saturday	0.05	0.05 0.25	0.05 0.25	0.05	0.05 0.25	0.1	0.15 0.2	0.25 0.2
509 ShHr509 Fraction	0.2 0.05	0.15 0.05	0.1 0.05	0.1 0.05	0.1 0.05	0.1 0.1	0.1 0.1	0.1 0.15
ACM Nonres Lights Sunday	0.03	0.05	0.03	0.05	0.05	0.15	0.15	0.15
	0.15	0.13	0.13	0.13	0.05	0.05	0.05	0.05
	0.13	U.1	U.1	0.1	0.03	0.03	0.03	0.05

510 ShHr510 Fraction	0.15	0.15	0.15	0.15	0.15	0.2	0.35	0.6
ACM Nonres Equipment Weekday	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
	0.65	0.45	0.3	0.2	0.2	0.15	0.15	0.15
511 ShHr511 Fraction	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.2
ACM Nonres Equipment Saturday	0.25	0.25	0.25	0.25	0.25	0.25	0.2	0.2
	0.2	0.15	0.15	0.15	0.15	0.15	0.15	0.15
512 ShHr512 Fraction	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.2
ACM Nonres Equipment Sunday	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
	0.2	0.15	0.15	0.15	0.15	0.15	0.15	0.15
513 ShHr513 On/Off	OFF	OFF	OFF	OFF	OFF	ON	ON	ON
ACM Nonres Fans Weekday	ON							
	ON	ON	ON	ON	OFF	OFF	OFF	OFF
514 ShHr514 On/Off	OFF	OFF	OFF	OFF	OFF	ON	ON	ON
ACM Nonres Fans Saturday	ON	OFF						
	OFF							
515 ShHr515 On/Off	OFF							
ACM Nonres Fans Sunday	OFF							
	OFF							
516 ShHr516 Fraction	1	1	1	1	1	0	0	0
ACM Nonres Infiltration Weekday	0	0	0	0	0	0	0	0
	0	0	0	0	1	1	1	1
517 ShHr517 Fraction	1	1	1	1	1	0	0	0
ACM Nonres Infiltration Saturday	0	0	0	0	0	0	0	1
	1	1	1	1	1	1	1	1
518 ShHr518 Fraction	1	1	1	1	1	1	1	1
ACM Nonres Infiltration Sunday	1	1	1	1	1	1	1	1
	1	1	1	1	1	1	1	1
519 ShHr519 Fraction	0	0	0	0	0.05	0.1	0.25	0.65
ACM Nonres People Weekday	0.65	0.65	0.65	0.6	0.6	0.65	0.65	0.65
	0.65	0.4	0.25	0.1	0.05	0.05	0.05	0
520 ShHr520 Fraction	0	0	0	0	0	0	0.05	0.15
ACM Nonres People Saturday	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
	0.15	0.05	0.05	0.05	0	0	0	0
521 ShHr521 Fraction	0	0	0	0	0	0	0	0.05
ACM Nonres People Sunday	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
	0.05	0.05	0.05	0.05	0	0	0	0

522 ShHr522 Fraction ACM Nonres Hot Water Weekday	0 0.5	0 0.5	0 0.7	0 0.9	0.1 0.9	0.1 0.5	0.5 0.5	0.5 0.7
523 ShHr523 Fraction ACM Nonres Hot Water Saturday	0.5 0 0.2	0.5 0 0.2	0.5 0 0.2	0.1 0 0.2	0.1 0 0.2	0.1 0 0.2	0.1 0.1 0.2	0.1 0.2 0.2
524 ShHr524 Fraction ACM Nonres Hot Water Sunday	0.2 0 0.1	0.1 0 0.1	0.1 0 0.1	0.1 0 0.1	0 0 0.1	0 0 0.1	0 0 0.1	0 0.1 0.1
),001 ShHr10001 Absolute Absolute Null Schedule	0.1 0 0	0.1 0 0	0.1 0 0	0.1 0 0	0 0 0	0 0 0	0 0 0	0 0 0
),002 ShHr10002 Absolute Absolute Null Schedule	0 0 0	0 0 0						
	0	0	0	0	0	0	0	0