NOTE: THIS BUILDING IS CONSTRUCTED OF 7 MODULES.

CODE SUMMARY:						
STATE	BUILDING	ELEC.	MECH.	PLUMB.	ACCESS.	ENERGY
SC	2021 IBC W/ SC AMEND. 2021 IFC W/ SC AMEND.	2020 NEC W/ SC AMEND.	2021 IMC W/ SC AMEND.	2021 IPC W/ SC AMEND.	ICC / ANSI A117.1-2017	2009 IECC

BUILDING DESIGN PARAMETERS

1. USE / OCCUPANCY: CLASSROOMS / EDUCATION
2. GRADES: 6 TO 8
3. CONSTRUCTION TYPE : VB
4. SPRINKLER SYSTEM: NO
5. BUILDING AREA: 6,314 SQ FT
6. BUILDING HEIGHT: < 15 FEET
7. NUMBER OF STORIES: 1
8. NUMBER OF MODULES : 7
9. OCCUPANT LOAD ~~(247) BASED ON [20] SQ FT~~ PER OCCUPANT IN CLASSROOMS
10. EXTERIOR WALL FIRE RATING N/A
11. THIS BUILDING MUST BE INSTALLED WITH THE FIRE SEPARATION DISTANCES REQUIRED BY THE IBC TABLE 602, SECTION 705.3 AND SECTION 705.5 -2021 IBC.
12. ENERGY CODE COMPLIANCE: SEE ATTACHED ENERGY CALCULATIONS
13. MANUFACTURERS DATA PLATE, STATE LABELS AND THIRD PARTY LABELS ARE TO BE LOCATED ADJACENT TO ELECTRICAL PANEL.

Correct room sf and occupant loads based on code of 20 sf net per person

DRAWING INDEX

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11 OF 11	CROSS SECTION
1 OF 1	FOUNDATION PLANS
1 OF 1	KIP LOADS FOUND

EMC APPROVED 06 19 2024

STATE OF SOUTH CAROLINA JOHN BODZIAK CLEARWATER, FL AR 6503 REGISTERED ARCHITECT
06/18/2024

SOUTH CAROLINA
JAMES ALLEN CHAPMAN P.E.
159 BARNES RD
AMERICUS, GA 31719

SOUTH CAROLINA PROFESSIONAL ENGINEER No. 33930 6-17-24 JAMES ALLEN CHAPMAN

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DATE:	5-1-24	ENGINEER:	JAMES ALLEN CHAPMAN, P.E. AMERICUS, GA 31719
SCALE:	N-T-S		
CODES:	SC		
DBI-11429 - 95'-8"x66'-0" - EDUCATION REV2			
COVER SHEET		PAGE:	1 / 11

STRUCTURAL LOAD LIMITATIONS ASCE7-16

FLOOR LIVE LOAD:
A. DEAD LOAD = 12 PSF (AVERAGE).
B. UNIFORM LIVE LOAD = 40 PSF, 100 PSF CORRIDORS.
C. CONCENTRATED LOAD (ALTERNATE)= 1,000 LB, OVER 30"X30" AREA AT ANY LOCATION.

ROOF LIVE LOAD:
A. DEAD LOAD = 15 PSF (AVERAGE).
B. LIVE LOAD = 30 PSF.

ROOF SNOW LOAD:
A. GROUND SNOW LOAD: Pg = 40 PSF
B. FLAT-ROOF SNOW LOAD Pf = 30.8 PSF
C. SNOW EXPOSURE FACTOR Ce = 1.0
D. SNOW IMPORTANCE FACTOR Is = 1.0
E. SNOW THERMAL FACTOR Ct = 1.1
F. ROOF SLOPE FACTOR Cs = 1.0
G. SLOPED ROOF SNOW LOAD Ps = 20 PSF Ps = Pf x Cs
H. Pm = 20 PSF LOW-SLOPE SNOW LOAD Pm = Pg x Is
I. DESIGN IS BASED ON FULL OR PARTIALLY EXPOSED ROOF PER ASCE 7-16.

WIND LOAD: ASCE 7-16
A. BASIC WIND SPEED (3 SEC GUST) 160 MPH
B. ASD WIND SPEED (3 SEC GUST) 124 MPH
C. RISK CATEGORY II
D. WIND EXPOSURE CATEGORY C
E. INTERNAL PRESSURE COEFFICIENT GCpi= 0.18
F. COMPONENT & CLADDING BASIC DESIGN PRESSURES, ASD DESIGN PRESSURE FOR ROOF 0 TO7 DEGREES.
WALL ZONE 5: P = +/- 74.7 psf (Pasd = +/- 44.8 PSF)
WALL ZONE 4: P = +/- 60.5 psf (Pasd = +/- 36.3 PSF)
ROOF ZONE 3: P = - 159.6 psf (Pasd = - 95.8 PSF)
ROOF ZONE 2: P = - 117.1 psf (Pasd = - 70.3 PSF)
ROOF ZONE 1: P = - 88.8 psf (Pasd = - 53.3 PSF)
ROOF ZONE 1': P = - 50.9 psf (Pasd = - 30.6 PSF)
G. THIS BUILDING IS NOT DESIGNED FOR PLACEMENT ON THE UPPER HALF OF A HILL OR ESCARPMENT EXCEEDING 15 FEET IN HEIGHT.
H. BUILDING DESIGN IS BASED ON "ENCLOSED" CLASSIFICATION.
I. BUILDING MEAN ROOF HEIGHT SHALL NOT EXCEED 15 FEET.

SEISMIC LOAD:
A. RISK CATEGORY : II
B. SEISMIC IMPORTANCE FACTOR Ie = 1.0
C. SITE CLASS D
D. SPECTRAL RESPONSE COEFFICIENTS:
Ss = < 0.441 S1 = < 0.147 Sds = < 0.426 Sd1 = < 0.226
E. SEISMIC DESIGN CATEGORY D
F. SEISMIC FORCE RESISTING SYSTEM A13
G. SIMPLIFIED SEISMIC ANALYSIS PROCEDURE HAS BEEN USED.
H. RESPONSE MODIFICATION FACTOR R = 6.5
I. SEISMIC RESPONSE COEFFICIENT Cs = 0.065
J. DESIGN BASE SHEAR V = 14,483 LB

FLOOD LOAD:
THIS BUILDING IS NOT DESIGNED TO BE LOCATED IN A FLOOD HAZARD AREA.

ROOF RAIN LOAD:
A. RAIN INTENSITY: i = 4.0 INCHES / HOUR.

EXT. DOOR SPECIFICATIONS

1. SOLID.
2. METAL WITH FOAM CORE
3. Uo - 0.150.
4. SWINGING.
5. MAX ALLOWABLE AIR LEAKAGE RATE 0.3 CFM (PER SQUARE FOOT OF DOOR AREA).

WINDOW SPECIFICATIONS

1. VINYL FRAME WITHOUT THERMAL BREAK
2. OPERABLE
3. DOUBLE PANE TINTED GLASS
4. Uo - 0.29
5. MAX ALLOWABLE AIR LEAKAGE RATE 0.3 CFM (PER SQUARE FOOT OF WINDOW AREA).

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GENERAL NOTES:

1. 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.
2. 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 SURFACE BOLTS SHALL NOT BE USED.
3. ALL GLAZING WITHIN A 24 INCH 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.
4. SEE CROSS SECTION FOR ROOF TO WALL AND WALL TO FLOOR CONNECTION REQUIREMENTS.
5. PORTABLE FIRE EXTINGUISHERS PER N.F.P.A. - 10 INSTALLED BY OTHERS ON SITE, AND SUBJECT TO LOCAL JURISDICTION.
6. PROVISIONS FOR EXIT DISCHARGE LIGHTING ARE THE RESPONSIBILITY OF THE BUILDING OWNER AND SUBJECT TO LOCAL JURISDICTION APPROVAL WHEN NOT SHOWN ON THE FLOOR PLAN (INCLUDING EMERGENCY LIGHTING, WHEN REQUIRED).
7. WHEN LOW SIDES OF ROOF PROVIDE LESS THAN 6 INCHES OF OVERHANG, GUTTERS AND DOWNSPOUTS SHALL BE SITE INSTALLED, DESIGNED BY OTHERS, SUBJECT TO LOCAL JURISDICTION APPROVAL.
8. STRAPPING MUST BE TESTED AND / OR CERTIFIED TO VERIFY THE STRUCTURAL CAPACITY APPROPRIATE DOCUMENTATION MUST BE ON FILE AT THE MODULAR BUILDING FACTORY.
9. STRUCTURAL DETAILS NOT INCLUDED IN THIS PLAN SET ARE TO BE CONSTRUCTED ACCORDING TO THE MANUFACTURER'S BUILDING SYSTEM MANUAL.
10. IN WIND-BORNE DEBRIS REGIONS, EXTERIOR GLAZING SHALL BE IMPACT RESISTANT OR PROTECTED WITH AN IMPACT RESISTANT COVERING MEETING THE REQUIREMENTS OF AN APPROVED IMPACT RESISTANT STANDARD, OR ASTM E1996. WIND-BORNE DEBRIS REGIONS ARE DESIGNATED IN SECTION 1609 OF THE FBC. WINDOWS AND DOORS MUST BE CERTIFIED FOR COMPLIANCE WITH THE WIND DESIGN PRESSURE FOR COMPONENTS AND CLADDING.
11. THESE PLANS COMPLY WITH 553.8425 AND 61G20-3 FOR FLORIDA PRODUCT APPROVAL.
12. THE RAISED SEAL SET OF PLANS ARE ON FILE IN THE THIRD PARTY AGENCY'S OFFICE AS DIRECTED BY DBPR.
13. THESE PLANS COMPLY WITH THE 2020 FBC W/ 2021 & 2022 ALL SUPPLEMENTS.
14. PLAN REVIEW AND INSPECTION REQUIRED BY CHAPTER 633 F.S. TO BE COMPLETED ON SITE BY LOCAL FIRE INSPECTOR.
15. THIS STRUCTURE CAN NOT BE LOCATED ON THE SEAWARD SIDE OF THE COASTAL CONSTRUCTION CONTROL LINE.
16. ALL CONSTRUCTION, MATERIALS, AND INSTALLATION SHALL BE IN ACCORDANCE WITH THE CODES SPECIFIED ON THESE DRAWINGS.
17. THESE PLANS INCLUDE DESIGN FOR THE FACTORY BUILT PORTION OF THE MODULAR STRUCTURE AND PORTIONS OF THE SITE BUILT CONSTRUCTION. THESE PLANS AND DESIGN PLANS FOR ALL ELEMENTS DESIGNATED TO BE DESIGNED BY OTHERS AND/OR SITE INSTALLED MUST BE SUBMITTED TO AND REVIEWED BY THE DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE (DESIGNER OF RECORD) FOR COMPATIBILITY WITH THE DESIGN OF THE OVERALL BUILDING PROJECT AS REQUIRED BY THE APPLICABLE CODES AND LAWS.
18. ALL PARTIES RESPONSIBLE FOR DESIGN WORK SHALL BE QUALIFIED AND LICENSED AS REQUIRED BY THE JURISDICTIONS HAVING AUTHORITY OR SHALL RETAIN SUCH QUALIFIED AND LICENSED ENTITIES TO PERFORM SUCH WORK.
19. TRANSPORTATION AND ERECTION OF THIS BUILDING IS DESIGNED BY OTHERS. DESIGNER OF THESE PLANS HAS NOT EVALUATED ANY TRANSPORTATION AND/OR LIFTING ELEMENTS SHOWN IN THESE PLANS, THESE ITEMS MUST BE EVALUATED BY TRANSPORTATION AND ERECTION DESIGNER FOR SUITABILITY.
20. CLASS 1 OR 2 VAPOR RETARDERS REQUIRED ON THE INTERIOR SIDE OF EXTERIOR WALL IF BUILDING IS LOCATED IN CLIMATE ZONE 5.

PLUMBING NOTES:

1. TOILETS SHALL BE ELONGATED WITH NONABSORBENT OPEN FRONT SEATS.
2. RESTROOM WALLS SHALL BE COVERED WITH NONABSORBENT MATERIAL TO A MINIMUM HEIGHT OF 48 INCHES ABOVE FINISHED FLOOR (AFF). FLOORS SHALL HAVE A SMOOTH, HARD, NONABSORBENT SURFACE THAT EXTENDS UP ONTO THE WALLS A MINIMUM OF 6 INCHES.
3. THIS BUILDING SHALL BE CONNECTED TO A PUBLIC WATER SUPPLY AND SEWER SYSTEM IF THESE ARE AVAILABLE.
4. 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 WITHIN 2" TO 6" OF THE SAFETY PAN, AND A SHUT OFF VALVE WITHIN 3 FEET ON A COLD WATER SUPPLY LINE.
6. DWV SYSTEM SHALL BE EITHER ABS OR PVC - DWV.
7. WATER SUPPLY LINES SHALL BE CPVC, PEX OR COPPER, AND SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURES LIMITATION AND INSTRUCTIONS.
8. WATER CLOSETS ARE TANK TYPE AND URINALS ARE FLUSH VALVE 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 120°F (48.8°C).
11. 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.
12. WATER PIPES INSTALLED IN A WALL EXPOSED TO THE EXTERIOR SHALL BE LOCATED ON THE HEATED SIDE OF THE WALL INSULATION.
13. WATER PIPES IN UNCONDITIONED SPACE SHALL BE INSULATED AN PROTECTED FROM FREEZING.
14. TEMPERED WATER SHALL BE SUPPLIED THROUGH A WATER TEMPERATURE LIMITING DEVICE THAT CONFORMS TO ASSE 1070 AND SHALL LIMIT THE TEMPERED WATER TO A MAXIMUM TEMPERATURE OF 110°F (43°C).
15. TEMPERATURE ACTUATED MIXING VALVES WHICH ARE INSTALLED TO REDUCE WATER TEMPERATURE TO DEFINE LIMITS SHALL COMPLY WITH ASSE 1017.
16. ALL PLUMBING PIPES, FITTINGS AND FIXTURES MUST BE LEAD FREE.
17. 50% OF REQUIRED DRINKING FOUNTAINS MUST INCORPORATE BOTTLE FILLING STATIONS AS REQUIRED BY 2021 IPC.

STATEMENT OF SPECIAL INSPECTIONS (IBC SECTION1704.3)

THE FOLLOWING MATERIALS, SYSTEMS COMPONENTS OR WORK REQUIRE SPECIAL INSPECTIONS IN ACCORDANCE WITH IBC SECTION 1705.

1. SOILS - PERIODIC
2. CONCRETE FOOTINGS - EXEMPT PER 1705.3 EXCEPTION #1
3. MASONRY PIERS - PERIODIC
4. BUILDING ANCHORAGE SYSTEMS - PERIODIC
5. ON SITE STRUCTURAL INTERCONNECTIONS BETWEEN BUILDING MODULES - PERIODIC
6. SPECIAL INSPECTIONS OF THE FACTORY BUILT MODULAR UNITS IS NOT REQUIRED DURING PRODUCTION IN THE FACTORY PER IBC SECTION 1704.2.5.1 THE MODULAR BUILDING MANUFACTURER IS AN APPROVED FABRICATOR OF PRE-MANUFACTURED BUILDINGS UNDER THE MARYLAND INDUSTRIALIZED BUILDING PROGRAM AND IS THEREFORE APPROVED TO MANUFACTURE WITHOUT SPECIAL INSPECTIONS.

ACCESSIBILITY NOTES:

1. THE INTERNATIONAL SYMBOL OF ACCESSIBILITY SIGN SHALL BE DISPLAYED AT ALL ACCESSIBLE RESTROOMS FACILITIES AND AT ACCESSIBLE BUILDING ENTRANCES UNLESS ALL ENTRANCES ARE ACCESSIBLE. INACCESSIBLE ENTRANCES SHALL HAVE DIRECTIONAL SIGNS INDICATION THE ROUTE TO THE NEAREST ACCESSIBLE ENTRANCE.
2. 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.
3. 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 ACCESSIBLE (IE TOUGH 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 COATS HOOKS SHALL BE A MAXIMUM OF 48 INCHES ABOVE THE FLOOR (46 INCHES MAXIMUM WHEN DISTANCE FROM WHEEL CHAIR TO ROD EXCEEDS 10 INCHES). SHELVES IN KITCHEN OR TOILET ROOMS SHALL BE 40 INCHES MINIMUM AND 48 INCHES MAXIMUM ABOVE FLOOR.
4. CONTROLS, DISPENSER, 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.
5. WHERE EMERGENCY WARNING SYSTEMS ARE PROVIDED, THEY SHALL INCLUDE BOTH AUDIBLE AND VISUAL ALARMS. THE VISUAL ALARMS SHALL BE LOCATED THROUGHOUT, INCLUDING RESTROOMS AND PLACED 80 INCHES ABOVE THE FLOOR OR 6 INCHES BELOW CEILING, WHICHEVER IS LOWER.
6. 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 FORCE REQUIRED FOR PUSHING OR PULLING OPEN DOORS OTHER THAN FIRE DOORS SHALL NO EXCEED 5 POUNDS FOR ALL SLIDING, FOLDING AND INTERIOR HINGED DOORS.
7. FLOOR SURFACES SHALL BE STABLE, FIRM AND SLIP-RESISTANT. CHANGES IN LEVEL BETWEEN 0.25 INCH AND 0.5 INCH SHALL BE BEVELED 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 INCH MAXIMUM. GRATINGS IN FLOOR SHALL HAVE SPACES NO GREATER THAN 0.5 INCHES WIDE IN ONE DIRECTION. DOORWAY THRESHOLDS SHALL NOT EXCEED 0.5 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 BEHIND WATER CLOSET AND 42 INCHES MINIMUM WHEN LOCATED ALONG SIDE OF WATER CLOSET, AND SHALL BE MOUNTED 33 INCHES TO 36 INCHES ABOVETHE FLOOR. IN ADDITION, A VERTICAL GRAB BAR 18 INCHES MINIMUM IN LENGTH SHALL BE MOUNTED ON THE SIDEWALL WITH THE BOTTOM OF THE BAR LOCATED BETWEEN 39 AND 41 INCHES ABOVE THE FLOOR AND THE CENTERLINE BETWEEN 39 AND 41 INCHES FROM THE REAR WALL.
9. 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 INCHES ABOVE THE FLOOR, KNEE CLEARANCE OF AT LEAST 27 INCHES HEIGHT 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 THE ACCESSIBLE LAVATORIES AND SINKS.
12. ACCESSIBLE LAVATORIES AND SINKS SHALL HAVE ACCESSIBLE FAUCETS (IE LEVER OPERATED) PUSH TYPE OR ELECTRONICALLY CONTROLLED.
13. MIRRORS LOCATED ABOVE LAVATORIES, SINKS OR COUNTERS SHALL BE MOUNTED WITH THE BOTTOM EDGE OF THE REFLECTING SURFACE A MAXIMUM OF 40 INCHES ABOVE THE FLOOR. OTHER MIRRORS IN THE TOILET 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 1.25 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 (IE LEVER OPERATED, PUSH TYPE , U SHAPED) MOUNTED WITH OPERABLE PARTS BETWEEN 34 INCHES MINIMUM AND 48 INCHES MAXIMUM ABOVE THE FLOOR.
17. TOILET STALL DOORS SHALL BE SELF-CLOSING TYPE.
18. A TOWEL DISPENSER SHALL BE LOCATED ADJACENT TO ALL ACCESSIBLE LAVATORIES.
19. FOR CT INSTALLATIONS - SINGLE OCCUPANCY TOILET ROOM SHALL HAVE AN EMERGENCY CALL SYSTEM THAT ACTUATES A VISIBLE AND AUDIBLE ALARM IN A NORMALLY OCCUPIED AREA. AN ALARM PULL SWITCH, IDENTIFIED WITH EMERGENCY INSTRUCTION, SHALL BE PROVIDED WITHIN 3 FEET OF THE WATER CLOSET WITH A PULL CORD EXTENDING TO WITHIN 12 INCHES OF THE FLOOR. EMERGENCY INSTRUCTIONS SHALL BE PROVIDED OUTSIDE THE TOILET ROOM AT THE NORMALLY OCCUPIED LOCATION. SITE INSTALLED BY OTHERS.

ELECTRICAL NOTES:

1. ALL CIRCUITS AND EQUIPMENT SHALL BE GROUNDED IN ACCORDANCE WITH THE APPROPRIATED ARTICLES OF THE NATIONAL ELECTRICAL CODE (NEC).
2. 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 "CLOSET STORAGE SPACE" AS DEFINED BY NEC ARTICLE 410-2.
3. 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 THE AS THE DISCONNECTING MEANS ONLY WHERE THE SWITCH OR CIRCUIT BREAKER IS WITHIN SIGHT FROM THE WATER HEATER OR IS CAPABLE OF BEING LOCKED IN THE OPEN POSITION.
4. HVAC EQUIPMENT SHALL BE PROVIDED WITH READILY ACCESSIBLE DISCONNECTS ADJACENT TO THE EQUIPMENT SERVED. A UNIT SWITCH WITH A MARKED "OFF" POSITION THAT IS A PART OF THE HVAC EQUIPMENT AND DISCONNECTS ALL UNGROUNDED CONDUCTORS SHALL BE PERMITTED AS THE DISCONNECTION MEANS WHERE OTHER DISCONNECTING MEANS ARE ALSO PROVIDED BY A READILY ACCESSIBLE CIRCUIT BREAKER.
5. PRIOR TO ENERGIZING THE ELECTRICAL SYSTEM THE INTERRUPTING RATING OF THE MAIN BREAKER MUST BE DESIGNED AND VERIFIED AS BEING IN COMPLIANCE WITH SECTION ARTICLES 110.9 & 110.10 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.
7. ALL CIRCUITS CROSSING OVER THE MODULE MATE LINE SHALL BE SITE CONNECTED WITH APPROVED ACCESSIBLE JUNCTION BOXES OR CABLE CONNECTORS.
8. ALL RECEPTACLES INSTALLED IN WET LOCATIONS (EXTERIOR) SHALL BE IN WEATHER PROOF (WP) ENCLOSURES. THE INTEGRITY OF WHICH IS NOT AFFECTED WHEN AN ATTACHMENT PLUG CAP IS INSERTED OR REMOVED. 15 AND 20 AMP RECEPTACLES INSTALLED ON THE EXTERIOR OF THE BUILDING SHALL BE LISTED AND LABELED AS WEATHER RESISTANT.
9. EXTERIOR LIGHTS NOT INTENDED FOR 24 HOUR USE SHALL BE CONNECTED TO A PHOTOCELL OR TIMER.
10. IF REQUIRED OCCUPANT SENSORS FOR LIGHTING ARE NOT FACTORY INSTALLED THEN THEY SHALL BE SITE INSTALLED BY OTHERS AND SUBJECT TO THE APPROVAL OF THE JURISDICTION HAVING AUTHORITY.
11. AUTOMATIC RECEPTACLE CONTROLS, IF REQUIRED, SHALL BE PROVIDED AND SITE INSTALLED PER THE REQUIREMENTS OF 2021 IECC SECTION C405.11.1 , SUBJECT TO THE REVIEW AND APPROVAL OF AUTHORITY HAVING JURISDICTION.
12. FEEDER CONDUCTOR AND BRANCH CIRCUITS COMBINED SHALL BE SIZED FOR A MAXIMUM OF 5% VOLTAGE DROP TOTAL.
13. AUTOMATIC CONTROL DEVICES SHALL BE INSTALLED TO AUTOMATICALLY TURN OFF LIGHTS WITHIN 30 MINUTES OF ALL OCCUPANTS LEAVING THE SPACE AND SHALL EITHER BE MANUAL ON OR SHALL BE CONTROLLED TO AUTOMATICALLY TURN THE LIGHTING ON TO NOT MORE THAN 50% POWER.
14. OCCUPANCY SENSOR SWITCHES SHALL PROVIDE A BI-LEVEL LIGHTING CONTROL TO PROVIDE EITHER CONTINUOUS DIMMING OR AT LEAST ON INTERMEDIATE STEP IN LIGHTING POWER BETWEEN 30% AND 70% OF FULL POWER IN ADDITION TO FULL ON AND FULL OFF.
15. 15 AND 20 AMP RECEPTACLES TO BE TAMPER RESISTANT.
16. THE BUILDING'S FIRE ALARM SYSTEM (PROTECTIVE SIGNALING SYSTEMS, FIRE DETECTION) ARE SITE INSTALLED BY OTHERS SUBJECT TO LOCAL BUILDING OFFICIAL REVIEW AND APPROVAL. THE FIRE ALARM CONTROL PANEL MUST BE INSTALLED IN A HIGHLY VISIBLE LOCATION.
17. A FIRE ALARM MUST BE SITE INSTALLED BY OTHERS, SUBJECT TO APPROVAL BY THE AUTHORITY HAVING JURISDICTION.
18. A MANUAL FIRE ALARM SYSTEM THAT INITIATES THE OCCUPANT NOTIFICATION SIGNAL UTILIZING AN EMERGENCY VOICE/ALARM COMMUNICATION SYSTEM MEETING THE REQUIREMENTS OF SECTION 907.5.5 AND INSTALLED IN ACCORDANCE WITH SECTION 907.6 MUST BE PROVIDED.

MECHANICAL NOTES:

1. ALL SUPPLY AIR REGISTERS SHALL BE 24 INCHES X 24 INCHES ADJUSTABLE WITH 20 INCHES X 10 INCHES (INSIDE) OVERHEAD FIBERGLASS DUCT, UNLESS OTHERWISE SPECIFIED. DUCTS IN UNCONDITIONED SPACES SHALL HAVE R-6 MINIMUM INSULATION. SUPPLY DUCTS EXPOSED TO VENTILATED ATTICS SHALL HAVE MINIMUM R-8 INSULATION IN CLIMATE ZONE 1-4 (R-12 IN ZONE 5).
2. INTERIOR DOORS SHALL BE UNDERCUT 1.5 INCHES ABOVE FINISHED FLOOR FOR AIR RETURN AND / OR AS NOTED ON FLOOR PLAN (FOR NON-FIRE RATED DOORS).
3. HVAC EQUIPMENT SHALL BE EQUIPPED WITH OUTSIDE FRESH AIR INTAKES PROVIDING 10 CFM PER PERSON AND 0.12 CFM PER SQUARE FOOT OF BUILDING AREA.
4. VENT FANS SHALL BE DUCTED TO THE EXTERIOR AND TERMINATE AT AN APPROVED VENT CAP.
5. EXHAUST FANS SHALL PROVIDE A MINIMUM OF 70 CFM FOR EACH WATER CLOSET AND URINAL.
6. THERMOSTATS ARE TO BE PROGRAMMABLE.
7. HEATING SYSTEM CONTROLS MUST BE CAPABLE OF BEING SET TO AUTOMATICALLY RESTART AND TEMPORARILY OPERATE THE SYSTEM TO MAINTAIN TEMPERATURES ABOVE AN ADJUSTABLE HEATING SETPOINT AT LEAST 10 ° F BELOW THE OCCUPIED HEATING SETPOINT. COOLING SYSTEM CONTROLS MUST BE CAPABLE OF BEING SET TO AUTOMATICALLY RESTART AND TEMPORARILY OPERATE THE MECHANICAL COOLING SYSTEM AS REQUIRED TO MAINTAIN TEMPERATURES BELOW AN ADJUSTABLE COOLING SETPOINT AT LEAST 5° F ABOVE THE OCCUPIED COOLING SET POINT OR TO PREVENT HIGH SPACE HUMIDITY LEVELS.
8. PERMISSIBLE GAS TYPE FOR APPLIANCES: NONE (ALL ELECTRIC).
10. EXHAUST FAN OUTLET MAY NOT BE WITHIN 10 FEET FROM ANY MECHANICAL AIR INTAKE.

SITE INSTALLED ITEMS

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

1. THE COMPLETE FOUNDATION SUPPORT AND TIE DOWN SYSTEM.
2. RAMPS, STAIRS AND GENERAL ACCESS TO THE BUILDING.
3. PORTABLE FIRE EXTINGUISHER(S).
4. DRINKING FOUNTAINS, SERVICE SINK, BUILDING DRAINS, CLEANOUTS, AND HOOK UP TO PLUMBING SYSTEM.
5. ELECTRICAL SERVICE HOOK UP (INCLUDING FEEDERS) TO THE BUILDING.
6. THE FLOOR AND ROOF DESIGN OF THIS PLAN IS "LIGHT FRAME TRUSS-TYPE CONSTRUCTIONS: AS REFERENCED IN FAC RULE 69A-3.012(6). POSTING OF NOTICE SIGN(S) AS REQUIRED BY FAC 69A-3.012(6), SHALL BE SITE INSTALLED AND IS THE RESPONSIBILITY OF THE BUILDING OWNER.
7. ALL METAL FRAMING MEMBERS SHALL BE BONDED TO THE BUILDING ELECTRICAL SYSTEM AND IS THE RESPONSIBILITY OF THE BUILDING OWNER.
8. HANDICAP TACTILE SIGNAGE
9. CONNECTION OF ELECTRICAL CIRCUITS CROSSING OVER MODULE MATELINES.
10. STRUCTURAL AND AESTHETIC INTERCONNECTIONS BETWEEN MODULES (MULTI-UNIT).
11. FLORIDA FIRE PREVENTION CODE PLAN REVIEW AND INSPECTION SHALL BE PERFORMED ON SITE BY OTHERS, SUBJECT TO LOCAL APPROVAL.
12. FINAL CONTROL SYSTEMS FOR CONTROLLED RECEPTACLES SYSTEM.
13. CALL BUTTON AND PULL DOWN BAR IN ADA RESTROOM.
14. LUMINOUS EGRESS PATH LIGHTING.
15. 12" VTR ROOF EXTENSIONS.
16. ECONOMIZERS IF REQUIRED.
17. VAPOR BARRIER IN EXTERIOR WALLS IN CLIMATE ZONES 5+.
18. SPRINKLER SYSTEM (WHEN REQUIRED).

EMC APPROVED 06 19 2024

STATE OF SOUTH CAROLINA JOHN BODZIAK CLEARWATER, FL AR 6503 REGISTERED ARCHITECT 06/18/2024

SOUTH CAROLINA
JAMES ALLEN CHAPMAN P.E.
159 BARNES RD
AMERICUS, GA 31719
SOUTH CAROLINA PROFESSIONAL ENGINEER No. 33930 6-17-24 JAMES ALLEN CHAPMAN

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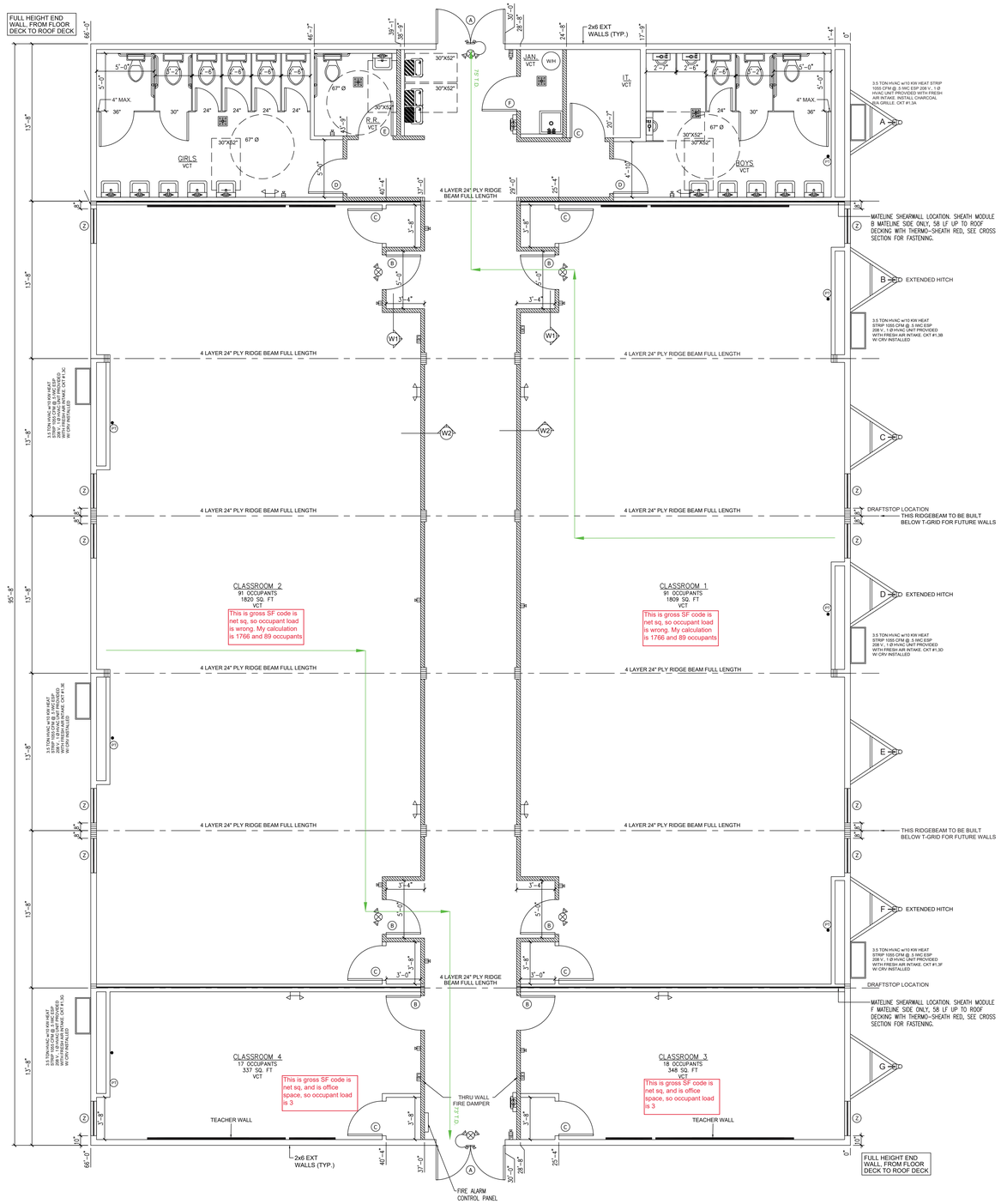
DATE:	5-1-24	ENGINEER:	JAMES ALLEN CHAPMAN, P.E. AMERICUS, GA 31719
SCALE:	N-T-S		
CODES:	SC		
DBI-11429 - 95'-8"x66'-0" - EDUCATION REV2			
NOTES		PAGE:	3 / 11



LIFE SAFETY PLAN

1/4"=1'-0"

LIFE SAFETY PLAN SUMMARY

1. USE / OCCUPANCY: CLASSROMS / EDUCATIONAL
2. CONSTRUCTION TYPE : VB
3. SPRINKLER SYSTEM: NO
4. BUILDING AREA: 6,314 SQ FT
5. BUILDING HEIGHT: < 15 FEET
6. NUMBER OF STORIES: 1
7. NUMBER OF MODULES : 7
8. OCCUPANT LOAD (217) BASED ON [20] SQ FT PER OCCUPANT IN CLASSROOMS
9. CORRIDOR RATING: 1 HOUR RATED W/ 20 MINUTE RATED DOORS
10. MAXIMUM EXIT ACCESS TRAVEL DISTANCE FOUND: 75 FEET
11. MAXIMUM EXIT ACCESS TRAVEL DISTANCE ALLOWED:
    200 FEET WITHOUT SPRINKLER SYSTEM - IBC
    250 FEET WITH SPRINKLER SYSTEM - IBC
12. NUMBER OF EXIT DOORS REQUIRED: 2
13. NUMBER OF EXIT DOORS PROVIDED : 2
14. OCCUPANT LOAD PER EXIT
    14.1. EXIT # 1 - 109 OCCUPANTS - PANIC HDW PROVIDED
    14.2. EXIT # 2 - 108 OCCUPANTS - PANIC HDW PROVIDED
    14.3. EACH EXIT DOOR (2 LOCATIONS) CAPACITY = 360 OCCUPANTS EACH.
15. REQUIRED WIDTH OF EXITS - (217x0.2") = 43.4" / PROVIDED - 144".
16. ALL CLASSROOMS PROVIDED WITH EGRESS WINDOWS AND EMERGENCY LIGHTS.
17. CLASSROOMS 1 & 2 (OCCUPANT COUNT GREATER THAN 50) ARE PROVIDED WITH LIGHTED EXIT SIGNS WITH BATTERY BACKUP.

PENETRATION OF FIRE RESISTANT WALLS AND CEILINGS:

1. COMBUSTIBLE CABLES AND WIRES, COMBUSTIBLE PIPES, TUBES AND CONDUIT SHALL MEET TESTING REQUIREMENTS OF ASTM E119 AS PART OF THE FIRE RESISTANT ASSEMBLY OR SHALL HAVE THROUGH-PENETRATION FIRESTOP SYSTEMS LISTED AND TESTED AS PER ASTM EB14 AND BE TESTED AT A POSITIVE PRESSURE DIFFERENTIAL BETWEEN THE EXPOSED AND UNEXPOSED SURFACES OF NOT LESS THAN 0.01 INCH OF WATER AND HAVE AN 'F' RATING OF AT LEAST 1 HOUR BUT NOT LESS THAN THE RATING OF THE ASSEMBLY.
2. CABLES AND WIRE WITHOUT COMBUSTIBLE INSULATIONS AND NON-COMBUSTIBLE PIPES, TUBES AND CONDUITS SHALL BE PROTECTED AS DESCRIBED ABOVE OR SHALL HAVE THE ANNULAR SPACE FILLED WITH A MATERIAL MEETING THE REQUIREMENT OF ASTM E119 TESTED UNDER A POSITIVE PRESSURE DIFFERENTIAL OF 0.01 INCH OF WATER FOR A TIME PERIOD EQUIVALENT TO THE RATING OF THE ASSEMBLY.
3. ELECTRICAL BOXES SHALL BE METAL OR LISTED FOR USE IN FIRE RESISTANT ASSEMBLIES AND SHALL NOT EXCEED 16 SQUARE INCHES. BOXES ON OPPOSITE SIDES OF FIRE RESISTANT WALLS SHALL BE SEPARATED BY A MINIMUM HORIZONTAL DISTANCE OF 24 INCHES.
4. ALL FIRE RATED DOORS SHALL HAVE LISTED DOOR, FRAME AND HARDWARE NO LESS THAN THE TIME RATING SPECIFIED ON THE FLOOR PLAN. IN ADDITION FIRE RATED DOORS SHALL BE EQUIPPED WITH SELF CLOSING DEVICES UNLESS OTHERWISE NOTED.
5. ALL DUCT PENETRATIONS OF 1 HOUR RATED CORRIDORS MUST BE EQUIPPED WITH COMBINATION SMOKE AND FIRE DAMPERS. EXCEPTION: SMOKE DAMPERS ARE NOT REQUIRED IN CORRIDOR PENETRATION WHERE THE DUCT IS CONSTRUCTED OF STEEL NOT LESS THAN 0.019 INCH IN THICKNESS AND THERE ARE NO OPENINGS SERVING THE CORRIDOR.
6. WOOD STUD WALLS: 1 HOUR PER UL# U305 OR GYPSUM ASSOCIATION WP3520 / WP3605 - 1 LAYER OF 5/8" TYPE-X GYPSUM EACH SIDE OF WALL.
7. FIRE PARTITIONS (HORIZONTAL AND VERTICAL), WHERE ACCESSIBLE, SHALL BE EFFECTIVELY AND PERMANENTLY IDENTIFIED W/ SIGNS OR STENCILING IN THE CONCEALED SPACE. LOCATE IDENTIFICATION WITHIN 15 FEET OF EACH END AND NO MORE THAN 30 FEET ON CENTER. LETTERS TO BE NOT LESS THAN 3 INCHES HIGH WITH A MINIMUM 3/8" WIDE STROKE IN A CONTRASTING COLOR. NOTE AS "FIRE BARRIER - PROTECT ALL OPENINGS."

FINAL KEYING ON SITE BY CUSTOMER

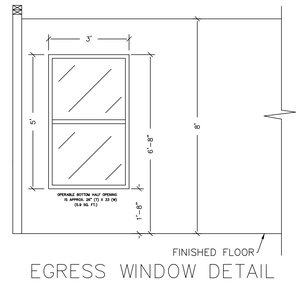
DOOR SCHEDULE	
A 7280 STEEL DOOR W/6"X30" SAFETY GLASS VIEW BLOCK - STEEL JAMB - CLOSER - PANIC HARDWARE	E 3680 - SOLID CORE - IMP. OAK DOOR 20 MIN. RATED ASSEMBLY w/SELF CLOSING HINGES - STEEL JAMB - 6 PIN IC CORE PRIVACY HDW
B 3680 - SOLID CORE - IMP. OAK DOOR 20 MIN. RATED w/6"x30" SQ VB w/SELF CLOSING HINGES - STEEL JAMB - 6 PIN IC CORE W/ CLASSROOM FUNCTION	F 3680 - SOLID CORE - IMP. OAK DOOR 45 MIN. RATED ASSEMBLY w/SELF CLOSING HINGES - STEEL JAMB - 6 PIN IC CORE KEYED HDW
C 3680 - SOLID CORE - IMP. OAK DOOR 20 MIN. RATED ASSEMBLY w/SELF CLOSING HINGES - STEEL JAMB - 6 PIN IC CORE KEYED HDW	**WINDOW SCHEDULE**
D 3680 - SOLID CORE - IMP. OAK DOOR 20 MIN. RATED ASSEMBLY w/SELF CLOSING HINGES - STEEL JAMB - LATCHING PUSH/PULL HDW	Z 3660 - VERTICAL SLIDER EGRESS DP 50 INSULATED LOWE TINTED GLASS - HURAPACT RATED WHITE VINYL FRAME - VINYL MINI BLINDS

EXTERIOR DOOR AND WINDOWS TO COMPLY WITH THE FOLLOWING STANDARDS: AAMA/WDMA/CSA101/I.S.2/ A440 OR TESTED PER ASTM E330 AND BE LISTED AND LABELED AS COMPLIANT WITH NFRC 100, 300 & 400. PANIC HARDWARE TO BE LISTED AND LABELED TO COMPLY WITH UL 305.

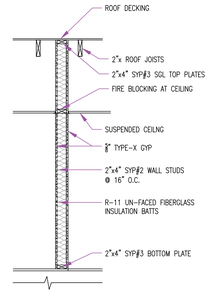
SYMBOL LEGEND

- EXTERIOR REMOTE HEAD EMERGENCY LIGHT
- CEILING MT COMBO LIGHTED EXIT SIGN - EMERGENCY LIGHT 90 MIN. CAPACITY
- WALL MOUNTED EMERGENCY LIGHT 90 MIN. CAPACITY
- J-BOX IN WALL FOR FIRE ALARM PULL STATION
- J-BOX IN WALL FOR FIRE ALARM STROBE LIGHT
- J-BOX IN WALL FOR FIRE ALARM HORN / STROBE LIGHT
- PATH OF EGRESS

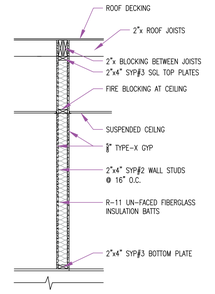
● MANUFACTURER'S DATA PLATE. STATE LABELS AND EMC LABELS ARE TO BE LOCATED ADJACENT TO THE ELECTRICAL PANEL



EGRESS WINDOW DETAIL



W2-CORRIDOR NON-LOAD BEAR WALL
WALL PARALLEL TO JOISTS
1 HOUR FIRE RATING



W1-CORRIDOR NON-LOAD BEAR WALL
WALL PERPENDICULAR TO JOISTS
1 HOUR FIRE RATING

EMC APPROVED 06 19 2024

STATE OF SOUTH CAROLINA
JOHN BODZIAK
CLEARWATER, FL
AR 6503
REGISTERED ARCHITECT
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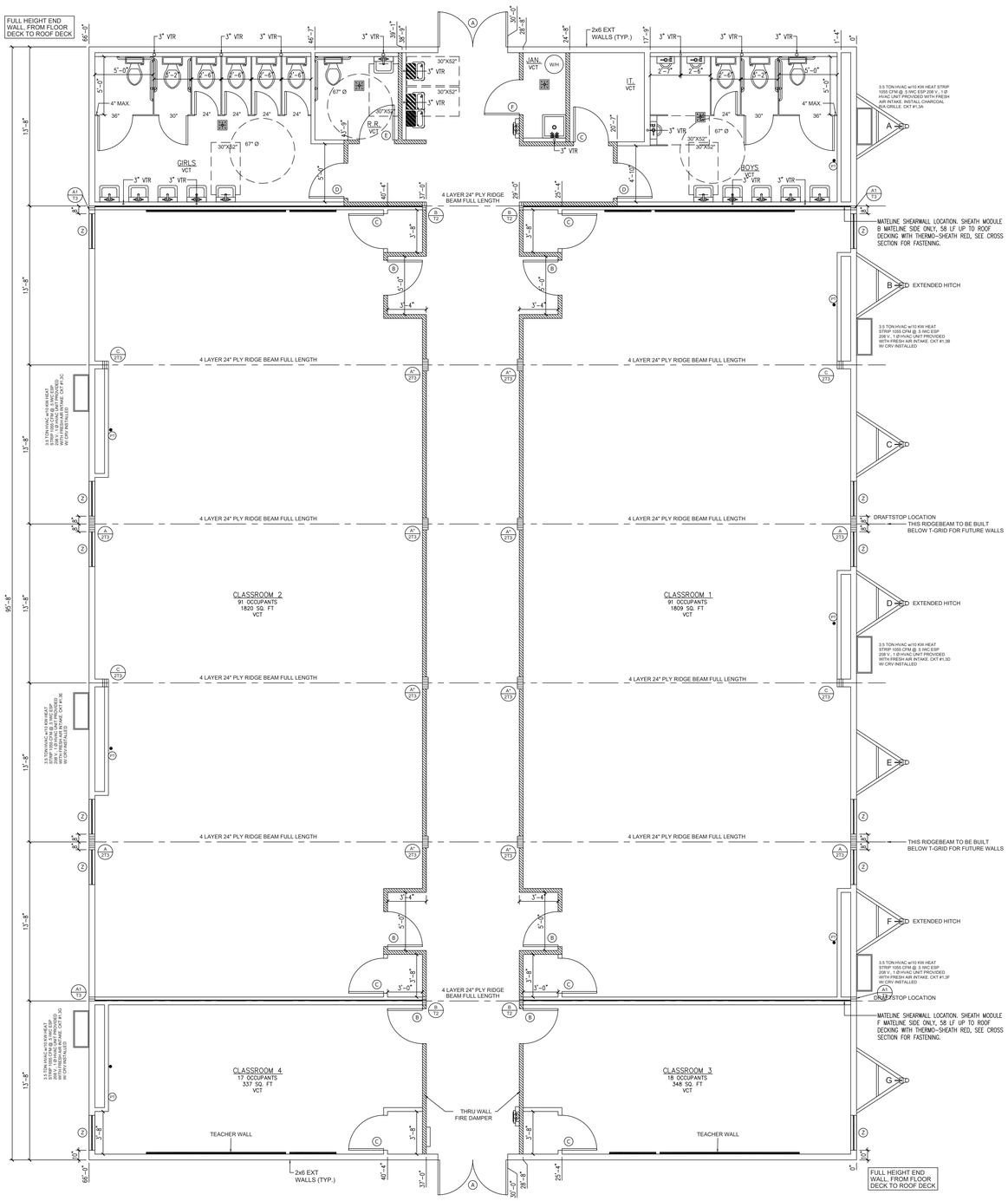
LIFE SAFETY PLAN		PAGE:	4 / 11



FLOOR PLAN

1/4"=1'-0"

DRAFTSTOPPING NOTES:

1. SEE FLOOR PLAN FOR REQUIRED DRAFTSTOPPING LOCATIONS
2. DRAFTSTOPPING SHALL EXTEND CONTINUOUSLY FOR THE FULL LENGTH OF MATELINES AND TRUSSES WHERE INDICATED
3. DRAFTSTOPPING SHALL EXTEND CONTINUOUSLY FULL HEIGHT FROM ROOF SHEATHING TO FINISH CEILING MATERIAL
4. DRAFTSTOPPING MATERIAL SHALL BE MINIMUM 1/2 INCH GYPSUM BOARD, 3/8 INCH PLYWOOD OR 7/16 INCH OSB.
5. ALL DRAFTSTOPPING EDGES SHALL BE TIGHTLY FIT, INCLUDING THE ANNULAR SPACE AROUND MECHANICAL AND ELECTRICAL PENETRATIONS, SO AS TO PREVENT THE PASSAGE OF AIR.
6. THERMO-SHEATH SHEATHING, PER TER 1303-07, IS AN APPROVED ALTERNATE DRAFTSTOPPING MATERIAL IN ACCORDANCE WITH IBC SECTION 104.11.
7. WHERE THERE IS AN INTERSECTION BETWEEN DRAFTSTOPPING AND FIRE RATED ASSEMBLIES, THE DRAFTSTOPPING SHALL NOT DISRUPT OR PENETRATE THROUGH THE RATED ASSEMBLIES. TIGHTLY FIT DRAFTSTOPPING MATERIAL AGAINST AND AROUND THE RATED ASSEMBLY.

FINAL KEYING ON SITE BY CUSTOMER

DOOR SCHEDULE

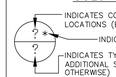
A	7280 STEEL DOOR W/6"X30" SAFETY GLASS VIEW BLOCK - STEEL JAMB - CLOSER - PANIC HARDWARE	E	3680 - SOLID CORE - IMP. OAK DOOR 20 MIN. RATED ASSEMBLY w/SELF CLOSING HINGES - STEEL JAMB - 6 PIN IC CORE PRIVACY HDW
B	3680 - SOLID CORE - IMP. OAK DOOR 20 MIN. RATED w/6"x30" SG VB w/SELF CLOSING HINGES - STEEL JAMB - 6 PIN IC CORE W/ CLASSROOM FUNCTION	F	3680 - SOLID CORE - IMP. OAK DOOR 45 MIN. RATED ASSEMBLY w/SELF CLOSING HINGES - STEEL JAMB - 6 PIN IC CORE KEYED HDW
C	3680 - SOLID CORE - IMP. OAK DOOR 20 MIN. RATED ASSEMBLY w/SELF CLOSING HINGES - STEEL JAMB - 6 PIN IC CORE KEYED HDW		
D	3680 - SOLID CORE - IMP. OAK DOOR 20 MIN. RATED ASSEMBLY w/SELF CLOSING HINGES - STEEL JAMB - LATCHING PUSH/PULL HDW		

WINDOW SCHEDULE

Z	3660 - VERTICAL SLIDER EGRESS DP 50 INSULATED LOW-E TINTED GLASS - HI-IMPACT RATED WHITE VINYL FRAME - VINYL MINI BLINDS

EXTERIOR DOOR AND WINDOWS TO COMPLY WITH THE FOLLOWING STANDARDS: AAMA/WDMA/CSA101/I.S.2/ A440 OR TESTED PER ASTM E330 AND BE LISTED AND LABELED AS COMPLIANT WITH NFRC 100, 300 & 400. PANIC HARDWARE TO BE LISTED AND LABELED TO COMPLY WITH UL 305.

COLUMN STUDS AND STRAPPING



COLUMN DESCRIPTIONS

A = 3-2"x6" SYP #2 EACH HALF
B = 2-2"x4" SYP #2 EACH HALF
C = 3-2"X4" SYP #2 EACH HALF
D = 4-2"X4" SYP #2 EACH HALF

TIE DOWN STRAPPING
T1 = 20 GA x 1.5" GALV STEEL STRAP WITH (6) 0.148"ø x 1.5" NAILS EACH END. 2- 26 GA x 1.5" GALV STEEL STRAPS MAY BE SUBSTITUTED OR 1- 20 GA x 1.5" STRAP.
T2 = 26 GA X 1.5" GALV. STEEL STRAP WITH (7) 14 GA OR 15 GA x 1" x 1" PENETRATION STAPLES EACH END.
T3 = 0.025" (20 GA) x 1.25" HOT-DIPPED GALV. STEEL STRAP (G60 OR BETTER) COMPLYING WITH ASTM D3953-91, Fy=108 KSI, 4725 LB. MINIMUM ULTIMATE CAPACITY, FASTENED TO RIDGE BEAM WITH (17) 0.148ø x 1.5" NAILS (Fyb= 90 KSI MIN) AND EXTENDED CONTINUOUSLY BELOW FLOOR.

SYMBOL LEGEND

- WALL MOUNT LIGHT SWITCH SGL POLE / THREE-WAY SWITCH / OCCUPANCY SENSOR
- J-BOX IN WALL (NON POWERED)
- CEILING MOUNTED POWERED J-BOX
- 120 V DUPLEX TAMPER RESISTANT RECEPTACLE
- 120 V QUADRUPLEX TAMPER RESISTANT RECEPTACLE
- CEILING MT OCCUPANCY SENSOR
- 4"x4" J-BOX
- RECESSED 33 LED LIGHT FIXTURE
- EXHAUST FAN CEILING FIXTURE - SEE FLOOR PLAN FOR CFM
- 24"X24" SUPPLY AIR CEILING REGISTER
- 24"x24" RETURN AIR CEILING REGISTER
- INTERIOR MOUNT 120 / 208 V 1 Ø ELECTRICAL PANEL
- WALL MT DIGITAL 7-DAY PROGRAMMABLE THERMOSTAT W/ OCCUPANCY SENSOR
- EXTERIOR REMOTE HEAD EMERGENCY LIGHT
- CEILING MT COMBO LIGHTED EXIT SIGN / EMERGENCY LIGHT 90 MIN. CAPACITY
- LED EXTERIOR VANDAL RESISTANT WALL PACK
- WALL MOUNTED EMERGENCY LIGHT 90 MIN. CAPACITY
- RECESSED FIRE EXTINGUISHER CABINET W/ 10# ABC EXTINGUISHER
- J-BOX IN WALL FOR FIRE ALARM PULL STATION
- J-BOX IN WALL FOR FIRE ALARM STROBE LIGHT
- J-BOX IN WALL FOR FIRE ALARM HORN / VOICE / STROBE LIGHT
- FLOOR DRAIN WITH SURE SEAL TRAPGUARD PER ICC REPORT PMG-1070 IN COMPLIANCE WITH ASSE 1072. W/ REMOVABLE STRAINER.
- 1 HOUR FIRE RATED WALLS

● MANUFACTURER'S DATA PLATE. STATE LABELS AND EMC LABELS ARE TO BE LOCATED ADJACENT TO THE ELECTRICAL PANEL

EMC APPROVED 06 19 2024

STATE OF SOUTH CAROLINA — JOHN A. BODZIAK — CLEARWATER, FL — AR 6503 — REGISTERED ARCHITECT
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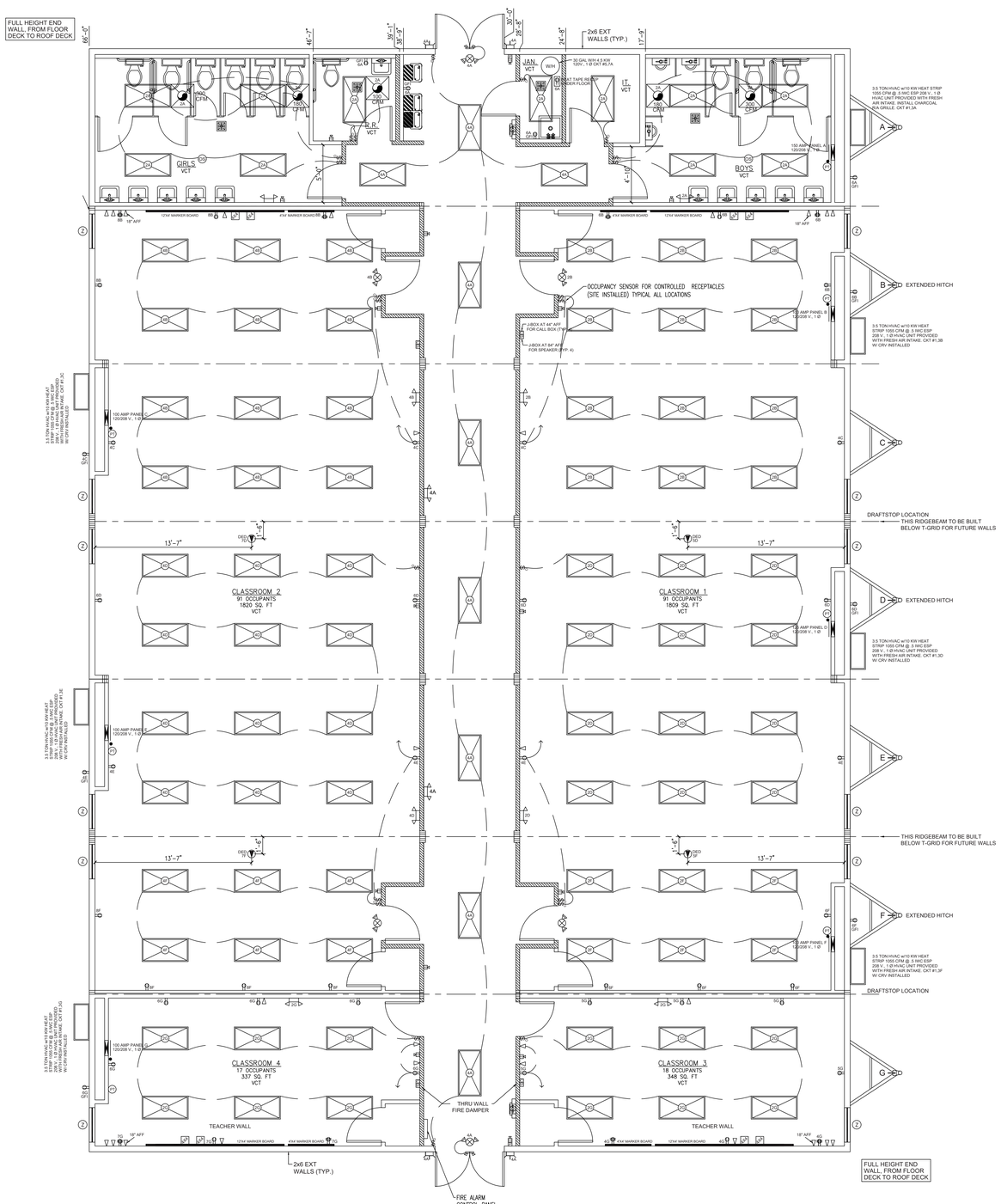

ELECTRICAL PLAN

1/4"=1'-0"

ELECTRICAL SIZING PANEL A	120/208V	SGL PHASE	INSTALL	150 AMP PANEL
ID	QTY	UNITS	KW	SUB-TOTAL
3.5 TON HVAC	1	EACH	11.9	11.90
WATER HEATER	1	EACH	4.5	5.63
LIGHTS	1554	SQ FT	0.003	5.83
RECEPTACLES	5	EACH	0.18	0.90
EXHAUST FANS	5	EACH	0.4	2.00
DEDICATED CKTS.	0	EACH	1.9	0.00
		TOTAL =		26.25
		TOTAL =	126.2	AMPS

ELECTRICAL PANEL SCHEDULE A			
CIRCUIT ID	DESCRIPTION	BREAKER	WIRE
1,3 A	HVAC - 3.5 TON	60A (2P) HACR	6-6-10 MC
2, 4 A	LIGHTS	20A	12
5,7 A	WATER HEATER - 30 GAL.	30A (2P)	10
6 A	RECEPTS	20A	12

ELECTRICAL SIZING PANEL B	120/208V	SGL PHASE	INSTALL	100 AMP PANEL
ID	QTY	UNITS	KW	SUB-TOTAL
3.5 TON HVAC	1	EACH	11.9	11.90
WATER HEATER	0	EACH	4.5	0.00
LIGHTS	1434	SQ FT	0.003	5.38
RECEPTACLES	13	EACH	0.18	2.34
EXHAUST FANS	0	EACH	0.4	0.00
DEDICATED CKTS.	0	EACH	1.9	0.00
		TOTAL =		19.62
		TOTAL =	94.3	AMPS

ELECTRICAL PANEL SCHEDULE B			
CIRCUIT ID	DESCRIPTION	BREAKER	WIRE
1,3 B	HVAC - 3.5 TON	60A (2P) HACR	6-6-10 MC
2, 4 B	LIGHTS	20A	12
6, 8 B	RECEPTS	20A	12

ELECTRICAL SIZING PANEL C	120/208V	SGL PHASE	INSTALL	100 AMP PANEL
ID	QTY	UNITS	KW	SUB-TOTAL
3.5 TON HVAC	1	EACH	11.9	11.90
WATER HEATER	0	EACH	4.5	0.00
LIGHTS	0	SQ FT	0.003	0.00
RECEPTACLES	5	EACH	0.18	0.90
EXHAUST FANS	0	EACH	0.4	0.00
DEDICATED CKTS.	0	EACH	1.9	0.00
		TOTAL =		12.80
		TOTAL =	61.5	AMPS

ELECTRICAL PANEL SCHEDULE C			
CIRCUIT ID	DESCRIPTION	BREAKER	WIRE
1,3 C	HVAC - 3.5 TON	60A (2P) HACR	6-6-10 MC
4 C	RECEPTS	20A	12

ELECTRICAL SIZING PANEL D	120/208V	SGL PHASE	INSTALL	125 AMP PANEL
ID	QTY	UNITS	KW	SUB-TOTAL
3.5 TON HVAC	1	EACH	11.9	11.90
WATER HEATER	0	EACH	4.5	0.00
LIGHTS	1516	SQ FT	0.003	5.69
RECEPTACLES	5	EACH	0.18	0.90
EXHAUST FANS	0	EACH	0.4	0.00
DEDICATED CKTS.	2	EACH	1.9	3.80
		TOTAL =		22.29
		TOTAL =	107.1	AMPS

ELECTRICAL PANEL SCHEDULE D			
CIRCUIT ID	DESCRIPTION	BREAKER	WIRE
1,3 D	HVAC - 3.5 TON	60A (2P) HACR	6-6-10 MC
2, 4 D	LIGHTS	20A	12
6 D	RECEPTS	20A	12
5, 7 D	DEDICATED CKTS	20A	12

ELECTRICAL SIZING PANEL E	120/208V	SGL PHASE	INSTALL	100 AMP PANEL
ID	QTY	UNITS	KW	SUB-TOTAL
3.5 TON HVAC	1	EACH	11.9	11.90
WATER HEATER	0	EACH	4.5	0.00
LIGHTS	0	SQ FT	0.003	0.00
RECEPTACLES	5	EACH	0.18	0.90
EXHAUST FANS	0	EACH	0.4	0.00
DEDICATED CKTS.	0	EACH	1.9	0.00
		TOTAL =		12.80
		TOTAL =	61.5	AMPS

ELECTRICAL PANEL SCHEDULE E			
CIRCUIT ID	DESCRIPTION	BREAKER	WIRE
1,3 E	HVAC - 3.5 TON	60A (2P) HACR	6-6-10 MC
4 E	RECEPTS	20A	12

ELECTRICAL SIZING PANEL F	120/208V	SGL PHASE	INSTALL	100 AMP PANEL
ID	QTY	UNITS	KW	SUB-TOTAL
3.5 TON HVAC	1	EACH	11.9	11.90
WATER HEATER	0	EACH	4.5	0.00
LIGHTS	793	SQ FT	0.003	2.97
RECEPTACLES	9	EACH	0.18	1.62
EXHAUST FANS	0	EACH	0.4	0.00
DEDICATED CKTS.	2	EACH	1.9	3.80
		TOTAL =		20.29
		TOTAL =	97.6	AMPS

ELECTRICAL PANEL SCHEDULE F			
CIRCUIT ID	DESCRIPTION	BREAKER	WIRE
1,3 F	HVAC - 3.5 TON	60A (2P) HACR	6-6-10 MC
2, 4 F	LIGHTS	20A	12
6, 8 F	RECEPTS	20A	12
5, 7 F	DEDICATED CKTS	20A	12

ELECTRICAL SIZING PANEL G	120/208V	SGL PHASE	INSTALL	100 AMP PANEL
ID	QTY	UNITS	KW	SUB-TOTAL
3.5 TON HVAC	1	EACH	11.9	11.90
WATER HEATER	0	EACH	4.5	0.00
LIGHTS	793	SQ FT	0.003	2.97
RECEPTACLES	21	EACH	0.18	3.78
EXHAUST FANS	0	EACH	0.4	0.00
DEDICATED CKTS.	0	EACH	1.9	0.00
		TOTAL =		18.65
		TOTAL =	89.7	AMPS

ELECTRICAL PANEL SCHEDULE G			
CIRCUIT ID	DESCRIPTION	BREAKER	WIRE
1,3 G	HVAC - 3.5 TON	60A (2P) HACR	6-6-10 MC
2 G	LIGHTS	20A	12
4 - 7 G	RECEPTS	20A	12

SYMBOL LEGEND

- WALL MOUNT LIGHT SWITCH SGL POLE / THREE-WAY SWITCH / OCCUPANCY SENSOR J-BOX IN WALL (NON POWERED)
- CEILING MOUNTED POWERED J-BOX
- 120 V DUPLEX TAMPER RESISTANT RECEPTACLE
- 120 V DUPLEX GFCI TAMPER RESISTANT RECEPTACLE
- CEILING MT OCCUPANCY SENSOR
- 4"X4" J-BOX
- RECESSED 33 LED LIGHT FIXTURE
- EF — EXHAUST FAN CEILING FIXTURE - SEE FLOOR PLAN FOR CFM
- 24"X24" SUPPLY AIR CEILING REGISTER
- 24"x24" RETURN AIR CEILING REGISTER
- INTERIOR MOUNT 120 / 208 V 1 Ø ELECTRICAL PANEL
- T/T — WALL MT DIGITAL 7-DAY PROGRAMMABLE THERMOSTAT W/ OCCUPANCY SENSOR
- EXTERIOR REMOTE-HEAD EMERGENCY LIGHT
- CEILING MT COMBO LIGHTED EXIT SIGN / EMERGENCY LIGHT 90 MIN. CAPACITY
- LED EXTERIOR VANDAL RESISTANT WALL PACK
- WALL MOUNTED EMERGENCY LIGHT 90 MIN. CAPACITY
- RECESSED FIRE EXTINGUISHER CABINET W/ 10# ABC EXTINGUISHER
- J-BOX IN WALL FOR FIRE ALARM PULL STATION
- J-BOX IN WALL FOR FIRE ALARM STROBE LIGHT
- J-BOX IN WALL FOR FIRE ALARM HORN / VOICE / STROBE LIGHT
- FLOOR DRAIN WITH SURE SEAL TRAP(QUAD) PER ICC REPORT PMG-1070 IN COMPLIANCE WITH ASSE 1072, W/ REMOVABLE STRAINER.
- 1 HOUR FIRE RATED WALLS

● MANUFACTURER'S DATA PLATE, STATE LABELS AND EMC LABELS ARE TO BE LOCATED ADJACENT TO THE ELECTRICAL PANEL

EMC APPROVED 06 19 2024

STATE OF SOUTH CAROLINA JOHN BODZIAK CLEARWATER, FL AR 6503 REGISTERED ARCHITECT 06/18/2024

SOUTH CAROLINA

JAMES ALLEN CHAPMAN P.E.
159 BARNES RD
AMERICUS, GA 31719

SOUTH CAROLINA REGISTERED No. 33930 PROFESSIONAL ENGINEER 6-17-24 JAMES ALLEN CHAPMAN

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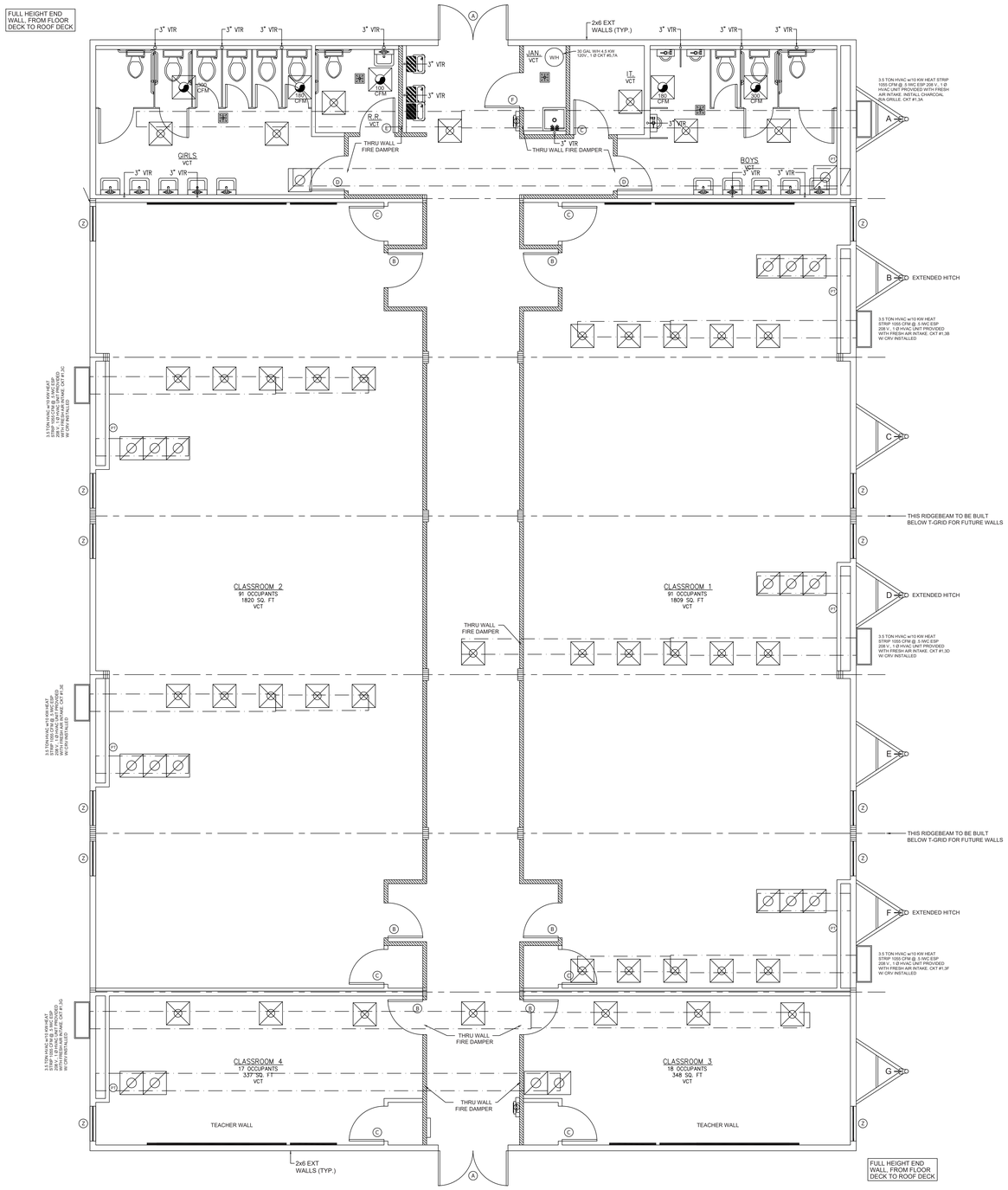
DATE:	5-1-24	ENGINEER:	JAMES ALLEN CHAPMAN, P.E. AMERICUS, GA 31719
SCALE:	N-T-S		
CODES:	SC		
DBI-11429 - 95'-8"x66'-0" - EDUCATION REV2			
ELECTRICAL PLAN		PAGE:	6 / 11



MECHANICAL PLAN

1/4"=1'-0"

SYMBOL LEGEND

$/$/$	WALL MOUNT LIGHT SWITCH SGL POLE / THREE-WAY SWITCH / OCCUPANCY SENSOR
	J-BOX IN WALL (NON POWERED)
	CEILING MOUNTED POWERED J-BOX
	120 V DUPLEX TAMPER RESISTANT RECEPTACLE
	120 V DUPLEX TAMPER RESISTANT RECEPTACLE
	CEILING MT OCCUPANCY SENSOR
	4"X4" J-BOX
	RECESSED 33 LED LIGHT FIXTURE
### CFM	EXHAUST FAN CEILING FIXTURE - SEE FLOOR PLAN FOR CFM
	24"X24" SUPPLY AIR CEILING REGISTER
	24"x24" RETURN AIR CEILING REGISTER
	INTERIOR MOUNT 120 / 208 V 1 Ø ELECTRICAL PANEL
PT	WALL MT DIGITAL 7-DAY PROGRAMMABLE THERMOSTAT W/ OCCUPANCY SENSOR
	EXTERIOR REMOTE HEAD EMERGENCY LIGHT
	CEILING MT COMBO LIGHTED EXIT SIGN / EMERGENCY LIGHT 90 MIN. CAPACITY
	LED EXTERIOR VANDAL RESISTANT WALL PACK
	WALL MOUNTED EMERGENCY LIGHT 90 MIN. CAPACITY
	RECESSED FIRE EXTINGUISHER CABINET W/ 10# ABC EXTINGUISHER
	J-BOX IN WALL FOR FIRE ALARM PULL STATION
	J-BOX IN WALL FOR FIRE ALARM STROBE LIGHT
	J-BOX IN WALL FOR FIRE ALARM HORN / VOICE / STROBE LIGHT
	FLOOR DRAIN WITH SURE SEAL TRAPGUARD PER CC REPORT PMG-1070 IN COMPLIANCE WITH ASSE 1072, W/ REMOVABLE STRAINER.
	1 HOUR FIRE RATED WALLS

● MANUFACTURER'S DATA PLATE, STATE LABELS AND EMC LABELS ARE TO BE LOCATED ADJACENT TO THE ELECTRICAL PANEL

EMC APPROVED 06 19 2024

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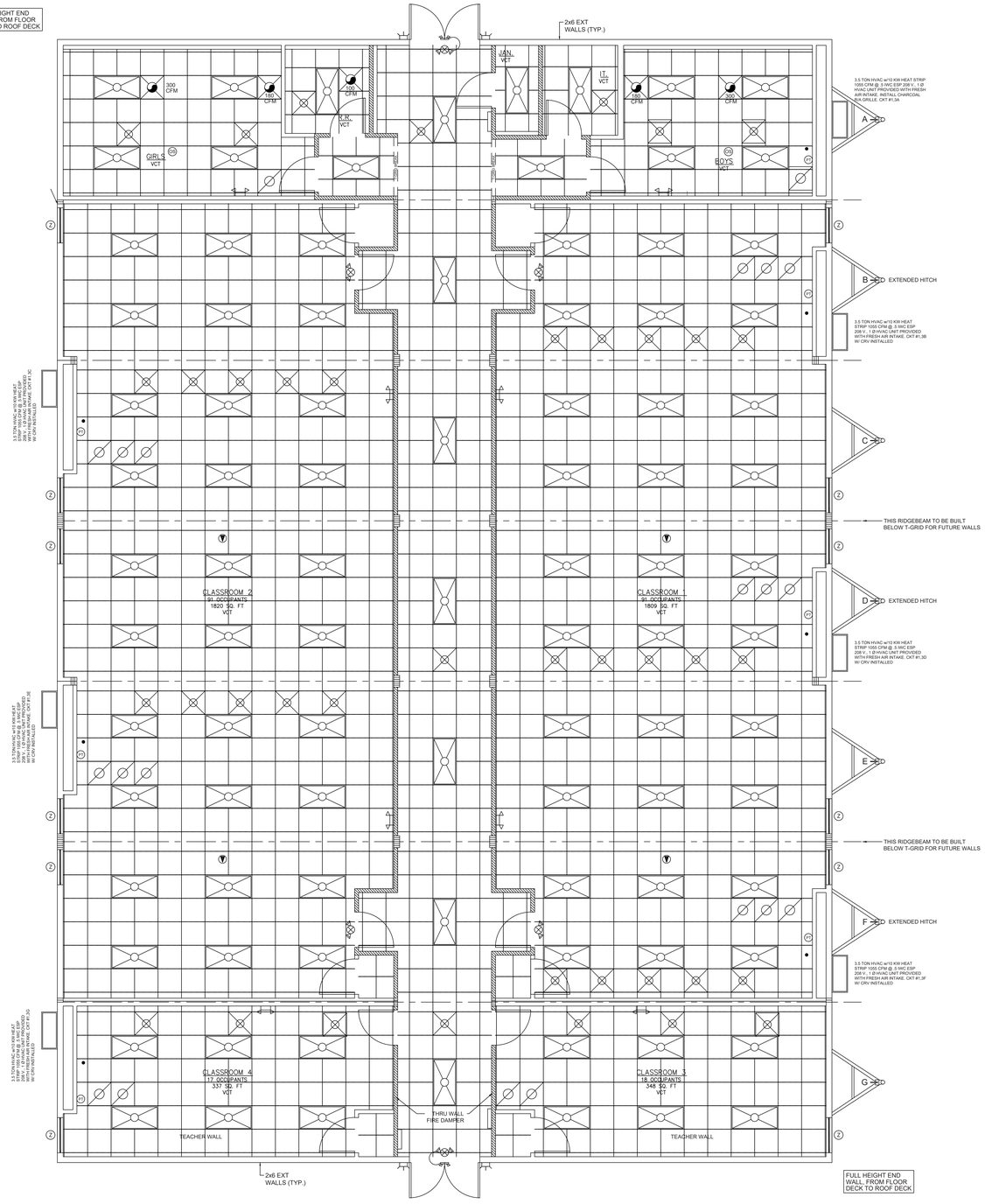
MECHANICAL PLAN		PAGE:	7 / 11



REFLECTED CEILING PLAN

1/4"=1'-0"

SUSPENDED CEILING INSTALLATION NOTES FOR SEISMIC CAT. D

1. CONTINUOUS CEILING AREAS GREATER THAN 144 SQ FT ARE SUBJECT TO THE FOLLOWING
2. 2" WIDE PERIMETER WALL ANGLE SUPPORTS SECURELY ATTACHED TO WALL FRAMING.
3. ALL MAIN RUNNERS / TEE'S TO BE HEAVY DUTY ABLE TO SUPPORT 16 LB PER LINEAR FOOT.
4. SUSPENSION WIRES TO BE MINIMUM 12 GAUGE AND SPACED NO MORE THAN 4 FEET ON CENTER ALONG MAIN RUNNERS.
5. SUSPENSION WIRE TIE OFF MUST BE WRAPPED AROUND ITSELF A MINIMUM OF 3 FULL TURNS WITHIN A 3 INCH LENGTH.
6. CROSS AND MAIN RUNNERS SHALL BE SUPPORTED WITHIN 8 INCHES OF THE ENDS AT ROOM PERIMETER.
7. SUSPENSION WIRE SHALL NOT BE MORE THAN 1 IN 6 OUT OF PLUMB UNLESS A COUNTER SLOPING SUSPENSION WIRE IS INSTALLED.
8. CONNECTION DEVICES FOR SUSPENSION WIRES SHALL BE CAPABLE OF SUPPORING 100 LBS.
9. CONTINUOUS CEILING AREAS LESS THAN 1,000 SQ FT DO NOT REQUIRE LATERAL FORCE BRACING.
10. THE UNATTACHED ENDS OF MAIN RUNNERS OR CROSS TEES AT PERIMETER SHALL BE PREVENTED FROM SPREADING (WIRE TIE, SPREADER BAR OR SLIDE CLIPS).
11. LIGHT FIXTURES WEIGHING LESS THAN 10 LBS SHALL HAVE (1) 12 GAUGE SAFETY WIRE CONNECTING THE FIXTURE TO STRUCTURAL MEMBERS ABOVE.
12. LIGHT FIXTURES WEIGHING BETWEEN 10 AND 56 LBS SHALL HAVE (2) 12 GAUGE SAFETY WIRES CONNECTING THE FIXTURE TO STRUCTURAL MEMBERS ABOVE.

SYMBOL LEGEND

- WALL MOUNT LIGHT SWITCH SGL POLE / THREE-WAY SWITCH / OCCUPANCY SENSOR
- J-BOX IN WALL (NON-POWERED)
- CEILING MOUNTED POWERED J-BOX
- 120 V DUPLEX TAMPER RESISTANT RECEPTACLE
- 120 V QUADRUPLEX TAMPER RESISTANT RECEPTACLE
- CEILING MT OCCUPANCY SENSOR
- 4"X4" J-BOX
- RECESSED 33 LED LIGHT FIXTURE
- EXHAUST FAN CEILING FIXTURE - SEE FLOOR PLAN FOR CFM
- 24"X24" SUPPLY AIR CEILING REGISTER
- 24"x24" RETURN AIR CEILING REGISTER
- INTERIOR MOUNT 120 / 208 V 1 Ø ELECTRICAL PANEL
- WALL MT DIGITAL 7-DAY PROGRAMMABLE THERMOSTAT W/ OCCUPANCY SENSOR
- EXTERIOR REMOTE HEAD EMERGENCY LIGHT
- CEILING MT COMBO LIGHTED EXIT SIGN / EMERGENCY LIGHT 90 MIN. CAPACITY
- LED EXTERIOR VANDAL RESISTANT WALL PACK
- WALL MOUNTED EMERGENCY LIGHT 90 MIN. CAPACITY
- RECESSED FIRE EXTINGUISHER CABINET W/ 10# ABC EXTINGUISHER
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- 1 HOUR FIRE RATED WALLS

● MANUFACTURER'S DATA PLATE, STATE LABELS AND EMC LABELS ARE TO BE LOCATED ADJACENT TO THE ELECTRICAL PANEL

EMC APPROVED 06 19 2024

STATE OF SOUTH CAROLINA — JOHN A. BODZIAK — CLEARWATER, FL — AR 6503 — REGISTERED ARCHITECT

06/18/2024

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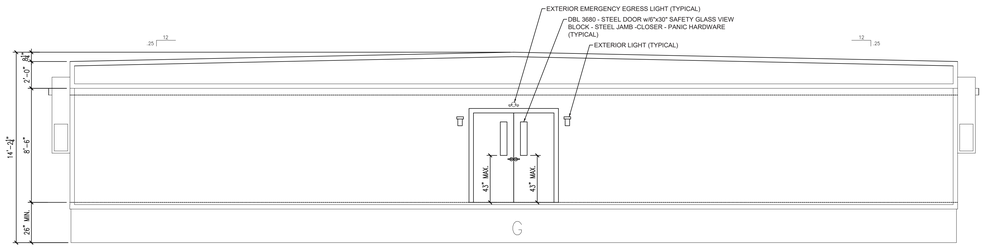
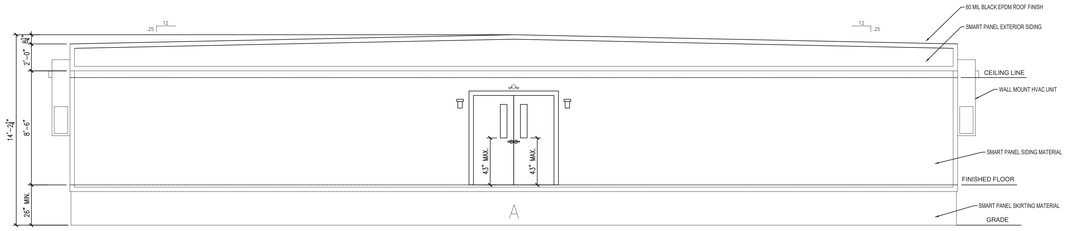
DBI-11429 - 95'-8"x66'-0" - EDUCATION REV2			
REFLECTED CEILING		PAGE:	8 / 11



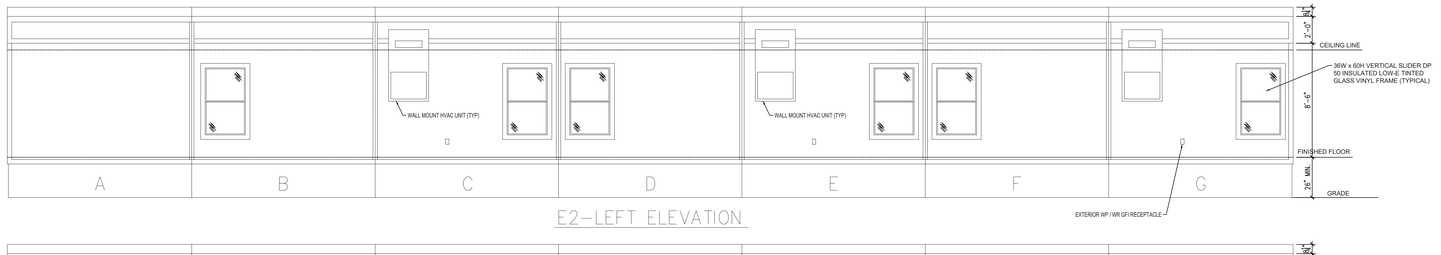
E1–FRONT ELEVATION



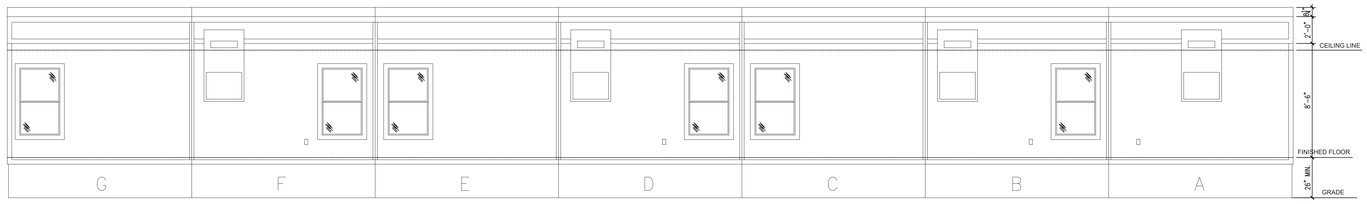
E3–REAR ELEVATION

ELEVATION NOTES:

1. FOUNDATION ENCLOSURE (WHEN PROVIDED) MUST HAVE 1 SQ FT NET VENT AREA PER 1 / 150 TH OF THE FLOOR AREA, AND AN 18"x24" MINIMUM CRAWL SPACE ACCESS, INSTALLED BY OTHERS SUBJECT TO LOCAL JURISDICTION.
2. SEE CROSS SECTION FOR METHOD OF ROOF VENTILATION.
3. ACCESSIBLE RAMP(S), STAIR(S) AND HANDRAILS ARE SITE INSTALLED , DESIGNED BY OTHERS, AND SUBJECT TO LOCAL JURISDICTION.



E2–LEFT ELEVATION



E4–RIGHT ELEVATION

ELEVATIONS

1/4" = 1'-0"

APPROVED
06 19 2024

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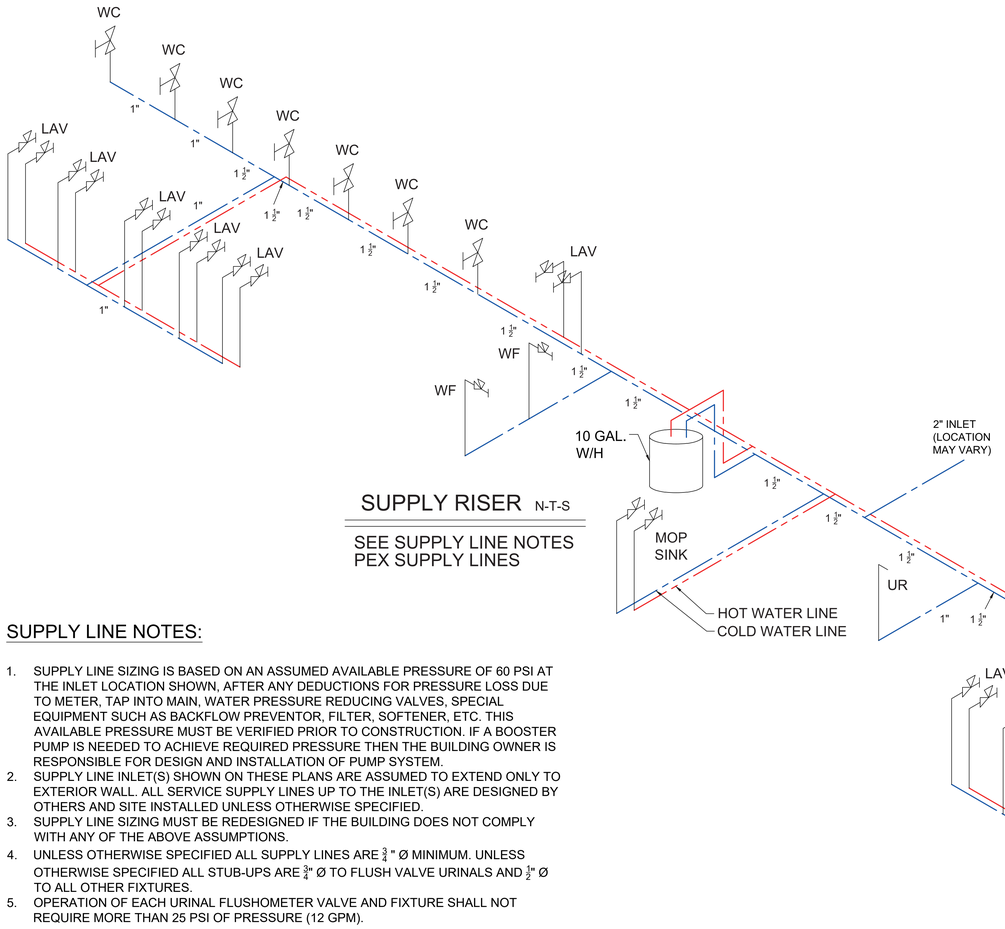
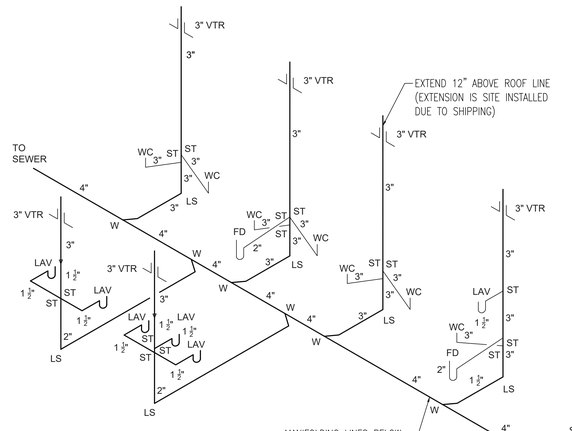
ELEVATIONS		PAGE:	9 / 11



SUPPLY RISER N-T-S

SEE SUPPLY LINE NOTES
PEX SUPPLY LINES

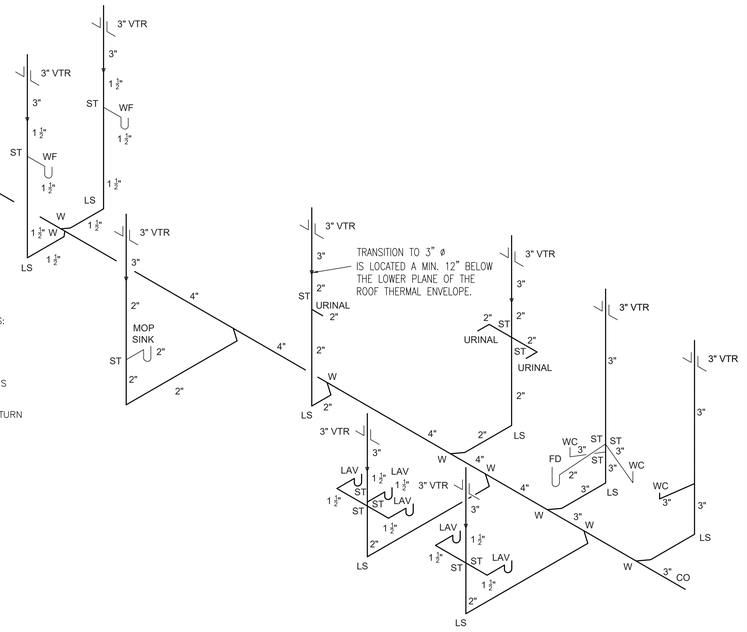


DWV RISER N-T-S

PVC DRAIN LINES

PIPE FITTING ABBREVIATIONS:
CO – CLEAN OUT
LS – LONG SWEEP
ST – SANITARY TEE
W – WYE

FIXTURE ABBREVIATIONS:
LAV – LAVATORY
WC – WATER CLOSET
UR – URINAL
SH – SHOWER
FD – FLOOR DRAIN
GENERAL ABBREVIATIONS
CW – COLD WATER
HW – HOT WATER
HWR – HOT WATER RETURN



DWV RISER NOTES:

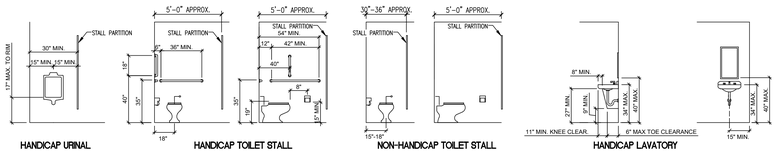
1. THE DWV RISER INDICATES ONE METHOD OF INSTALLING THE BELOW THE FLOOR PIPING. OTHER APPROVED METHODS MAY BE USED AS NEEDED TO ACCOMMODATE THE ACTUAL SITE CONDITIONS.
2. ALL BELOW FLOOR PIPING AND FITTINGS ARE TO BE SUPPLIED AND INSTALLED ON SITE BY OTHERS.
3. 1 1/2 INCH AND 2 INCH HORIZONTAL DRAIN LINES SHALL BE INSTALLED WITH A SLOPE OF 1/4 INCH PER FOOT.
4. 3 AND 4 INCH HORIZONTAL DRAIN LINES SHALL BE INSTALLED WITH A SLOPE OF 1/8 INCH PER FOOT.
5. BELOW FLOOR HORIZONTAL DRAIN LINES ARE 3 INCH MINIMUM DIAMETER UNLESS INDICATED OTHERWISE.
6. A MAXIMUM OF 3 WATER CLOSETS MAY DISCHARGE INTO A 3 INCH LINE.
7. CHANGES IN DIRECTION SHALL BE MADE WITH FITTINGS AS INDICATED IN TABLE 706.3. VERTICAL TO HORIZONTAL AND HORIZONTAL TO HORIZONTAL CHANGES OF DIRECTION ARE TO BE MADE WITH LONG SWEEP FITTINGS.

SUPPLY LINE NOTES:

1. SUPPLY LINE SIZING IS BASED ON AN ASSUMED AVAILABLE PRESSURE OF 60 PSI AT THE INLET LOCATION SHOWN, AFTER ANY DEDUCTIONS FOR PRESSURE LOSS DUE TO METER, TAP INTO MAIN, WATER PRESSURE REDUCING VALVES, SPECIAL EQUIPMENT SUCH AS BACKFLOW PREVENTOR, FILTER, SOFTENER, ETC. THIS AVAILABLE PRESSURE MUST BE VERIFIED PRIOR TO CONSTRUCTION. IF A BOOSTER PUMP IS NEEDED TO ACHIEVE REQUIRED PRESSURE THEN THE BUILDING OWNER IS RESPONSIBLE FOR DESIGN AND INSTALLATION OF PUMP SYSTEM.
2. SUPPLY LINE INLET(S) SHOWN ON THESE PLANS ARE ASSUMED TO EXTEND ONLY TO EXTERIOR WALL. ALL SERVICE SUPPLY LINES UP TO THE INLET(S) ARE DESIGNED BY OTHERS AND SITE INSTALLED UNLESS OTHERWISE SPECIFIED.
3. SUPPLY LINE SIZING MUST BE REDESIGNED IF THE BUILDING DOES NOT COMPLY WITH ANY OF THE ABOVE ASSUMPTIONS.
4. UNLESS OTHERWISE SPECIFIED ALL SUPPLY LINES ARE ¾" Ø MINIMUM. UNLESS OTHERWISE SPECIFIED ALL STUB-UPS ARE ¾" Ø TO FLUSH VALVE URINALS AND ½" Ø TO ALL OTHER FIXTURES.
5. OPERATION OF EACH URINAL FLUSHOMETER VALVE AND FIXTURE SHALL NOT REQUIRE MORE THAN 25 PSI OF PRESSURE (12 GPM).

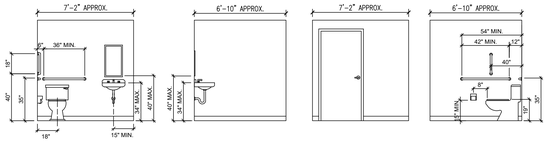
HOT WATER LINE ——— – – ——— – – ——— – – ——— – – ———

COLD WATER LINE ——— – ——— – ——— – ——— – ———



MULTI-STATION RESTROOM ELEVATIONS

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



RESTROOM 1 ELEVATIONS

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

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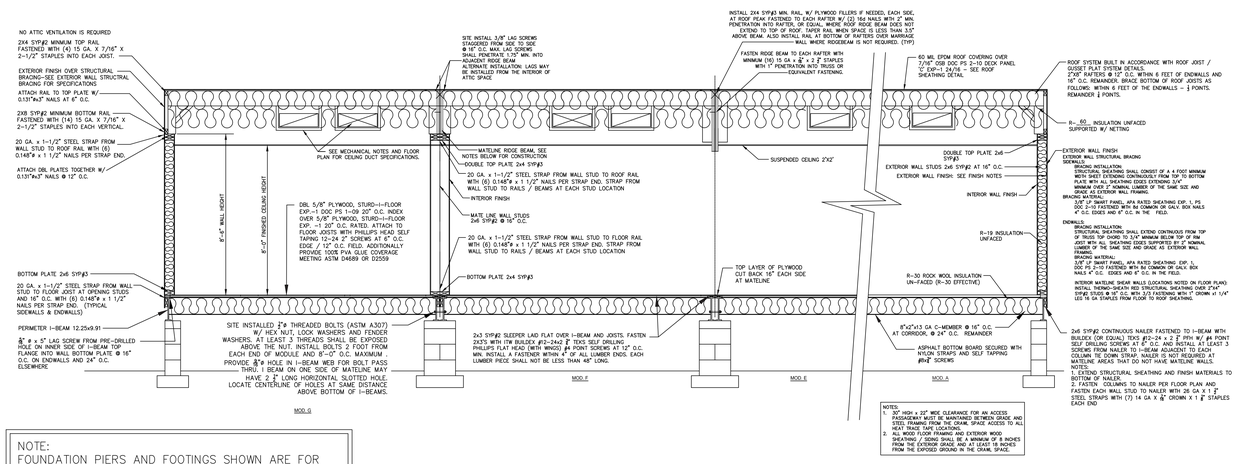


NOTE:
FOUNDATION PIERS AND FOOTINGS SHOWN ARE FOR REPRESENTATION ONLY. REFER TO FOUNDATION PLAN FOR DESIGN DETAILS.

RIDGE BEAM CONSTRUCTION

RIDGE BEAM CONSTRUCTION:
4 LAYERS 3/4" x 24" PLYWOOD, RATED SHEATHING, EXP.--1, 48/24 INDEX, (STRUCT.1 -- 5 PLY / 5LAYER) EACH SIDE OF EACH MARRIAGE LINE CONTINUOUS FULL LENGTH OF MODULES.

NOTES:
1 PLYWOOD FACE GRAIN MUST BE PARALLEL TO THE RIDGE BEAM SPAN.
2 ALL PLYWOOD BUTT JOINTS MUST BE STAGGERED 24" MINIMUM.
3 ALL RIDGE BEAM PLYWOOD LAMINATIONS MUST BE THE SAME DEPTH, THICKNESS, AND GRADE OF PLYWOOD . NO LUMBER OR PLYWOOD FLANGES ARE PERMITTED.
4 PLYWOOD MUST BE MANUFACTURED IN ACCORDANCE WITH DOC PS 1--09.
5 PLYWOOD LAMINATIONS IN EACH HALF OF THE UNITS MUST BE GLUE--NAILED TO ADJACENT LAYERS IN ACCORDANCE WITH PDS SUPPLEMENT #5, WITH AN ADHESIVE COMPLYING WITH ASTM D2559. SEE APPROVED PACKAGE FOR MECHANICAL FASTENER SPECIFICATIONS AND SPACING REQUIREMENTS..
6 PLYWOOD MUST NOT BE TREATED WITH A FIRE RETARDANT PROCESS.
7 MOISTURE CONTENT MUST BE 15% OR LESS AT TIME OF BEAM CONSTRUCTION.
8 RIDGE BEAMS MUST EXTEND CONTINUOUS OVER ENTIRE LENGTH OF ALL SUPPORT COLUMNS & HEADERS.
9 INSTALL 2x4 SYP#3 MINIMUM RIDGE BEAM BEARING STIFFENER OVER SUPPORT COLUMNS & HEADER WHEN SPECIFIED ON FLOOR PLAN. STIFFENER HEIGHT SHALL NOT BE LESS THAN RIDGE BEAM HEIGHT LESS 4 INCHES. FASTEN THE FACE OF THE STIFFENER TO THE RIDGE BEAM WITH 100% GLUE COVERAGE AND 6-- 16 GA. x 2--1/2" STAPLES.
10 PLYWOOD VALUES: E=1800 ksi. Fb = 3300 psi.

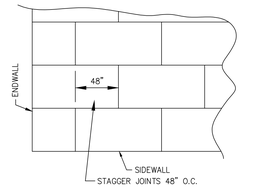
INTERIOR FINISH MATERIALS:

CEILING: CLASS 'A' 2X2 SUSPENDED CEILING INSTALLED PER MANUFACTURER'S SPECIFICATIONS, CLOSE UP BY OTHERS
WALL: 5/8" VINYL COVERED GYPSUM TYPE "X"
INTERIOR FINISHES SHALL BE CLASS 'A' FOR EXITS AND OTHER THAN EXITS SHALL BE CLASS 'A' OR 'B'.
FLOOR: VCT FLOOR
FLOOR FINISHES SHALL BE NO LESS THAN CLASS II LISTED PRODUCT

EXTERIOR FINISH MATERIALS:

ROOF: MULEHIDE 60 MIL (WHITE) EPDM FULLY ADHERED OVER 7/16" OSB DECKING W/ MULEHIDE FR ADHESIVE

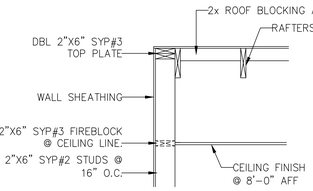
WALL: 3/8" LP SMART PANEL SIDING APA RATED PANEL SIDING PER ESR-1301 FASTENED WITH 0.113" Ø x 2 1/2" GALV NAILS @ 4" O.C. EDGES & 6" O.C. FIELD. PANELS MUST BE INSTALLED WITH THE LONG DIMENSION ORIENTED IN THE VERTICAL DIRECTION. FASTENERS MUST NOT BE INSTALLED IN THE SIDING GROOVES IN THE FIELD OF THE PANEL OR AT THE EDGE OF THE PANEL WHEN THE SIDING GROOVES OCCUR AT THE CUT EDGE.



7/16" OSB SHEATHING EXP 1, 24/16 TO BE FASTENED TO RAFTERS WITH 8d RING SHANK NAILS AT 6" O.C. ON EDGES AND 12" O.C. IN FIELD.

THE EPDM SHALL BE ADHERED TO STANDARD 7/16" OSB RATED SHEATHING, EXP. 1, 24/16 INDEX USING MULE--HIDE FR ADHESIVE, INSTALLED IN ACCORDANCE WITH INTERTEK CODE COMPLIANCE RESEARCH REPORT CCRR--1078. THIS ASSEMBLY WILL PROVIDE A CLASS 'C' FIRE CLASSIFICATION.

ROOF SHEATHING DETAIL



END WALL FRAMING AT ROOF
N-T-S

GENERAL CROSS SECTION NOTES:

1. UNLESS OTHERWISE SPECIFIED, ALL STEEL 0.230" THICK AND GREATER SHALL COMPLY WITH ASTM A36, YIELD STRENGTH 36 KSI. MATERIAL LESS THAN 0.230" THICK SHALL COMPLY WITH ASTM A1011, YIELD STRENGTH 36 KSI. STEEL USED IN THE FRAME IS STRUCTURAL STEEL.
2. STEEL TIE DOWN AND CONNECTION STRAPS SHALL COMPLY WITH ASTM A653 / A653M.
3. ALL LAG SCREWS SHALL COMPLY WITH ANSI/ASME B18.2.1. Fyb = 60 KSI MINIMUM
4. SEE FOUNDATION (WHEN PROVIDED) PLAN FOR PIER AND THE TIE DOWN ANCHORAGE LOCATIONS, ORIENTATIONS AND SPECIFICATIONS.
5. WHERE 1" STAPLES ARE SPECIFIED THIS SHALL MEAN 1" PENETRATION INTO THE HOLDING MEMBER
6. FOR TIE DOWN STRAP FASTENERS PROVIDE 3/4" MINIMUM SPACE BETWEEN ALL STAPLES AND 1" MINIMUM SPACE BETWEEN ALL NAILS UNLESS OTHERWISE PERMITTED BY STRAP MANUFACTURER'S LISTING. ALL FASTENERS SHALL BE INSTALLED IN CENTER 1/3 RD OF THE STRAP WIDTH. DO NOT INSTALL SIDE BY SIDE, IN NO CASE SHALL SPLITTING OF WOOD BE PERMITTED.
7. WHERE KRAFTBACK OR OTHER VAPOR RETARDERS ARE SPECIFIED THEY SHALL BE INSTALLED ON THE INTERIOR SIDE OF THE ASSEMBLY UNLESS OTHERWISE SPECIFIED.
8. ALL VAPOR RETARDERS ON THE EXPOSED INSULATION SHALL BE FOIL FACE TYPE VAPOR RETARDERS WITH A FLAMESPREAD RATING <25 AND SMOKE DEVELOPMENT RATING < 450.
9. SEE GENERAL NOTES ON COVER SHEET FOR INTERIOR FINISH MATERIAL RATING CLASSIFICATIONS.
10. 5/8" GYPSUM APPLIED TO THE WALLS IS INSTALLED WITH 1 1/4" NAILS AT NOT MORE THAN 8 INCHES ON CENTER AT SUPPORTS AND NOT MORE THAN 3/8" FROM EDGES AND END OF THE GYPSUM BOARD.

EMC APPROVED 06 19 2024

STATE OF SOUTH CAROLINA
JOHN BODZIAK
CLEARWATER FL
AR 6503
REGISTERED ARCHITECT
06/18/2024

SOUTH CAROLINA
JAMES ALLEN CHAPMAN P.E.
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AMERICUS, GA 31719
SOUTH CAROLINA PROFESSIONAL ENGINEER
No. 33930
6-17-24
JAMES ALLEN CHAPMAN

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DATE:	5-1-24	ENGINEER:	JAMES ALLEN CHAPMAN, P.E. AMERICUS, GA 31719
SCALE:	N-T-S		
CODES:	SC		
DBI-11429 - 95'-8"x66'-0" - EDUCATION REV2			
CROSS SECTION		PAGE:	11 / 11