

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.
- TYPICAL FOUNDATION LAYOUT SHOWN IN THIS PARAGRAPH IS TO AD THE SITE ENGINEER/ARCHITECT FOR LOCATIONS OF REQUIRED SUPPORTS. ACTUAL FOUNDATION MUST BE DESIGNED TO SITE CONDITIONS. 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. REFER TO BRACING TABLE FOR APPLICABLE BRACING/SEISMIC MODELS FOR ATTACHING THE BUILDING TO FOUNDATIONS.
- ENGINEER SEAL APPLIES ONLY TO FACTORY MANUFACTURED 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 BE DOWN TO FOUNDATION, EXTERIOR STAIRS, OR OTHER SITE WORKS. SITE WORK MUST BE DESIGNED BY OTHERS FOR SITE CONDITIONS, UNDER LOCAL JURISDICTION.

ATTENTION LOCAL INSPECTIONS DEPARTMENT  
SITE INSTALLED ITEMS

- THE FOLLOWING ITEMS HAVE NOT BEEN COMPLETED BY THE MANUFACTURER, HAVE NOT BEEN INSPECTED BY EMC AND ARE NOT CERTIFIED BY THE STATE MODULAR LABEL. 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 LOCAL JURISDICTION APPROVAL. CODE COMPLIANCE MUST BE DETERMINED AT THE LOCAL LEVEL.
1. THE COMPLETE FOUNDATION SUPPORT AND THE TIE DOWN SYSTEM.
  2. RAMPS, STAIRS AND GENERAL ACCESS TO THE BUILDING.
  3. PORTABLE FIRE EXTINGUISHER(S).
  4. BUILDING DRAINS, CLEANSOUTS AND HOOD-UP TO PLUMBING SYSTEM.
  5. ELECTRICAL SERVICE HOOD-UP (INCLUDING FEEDERS) TO THE BUILDING.
  6. THE MAIN ELECTRICAL PANEL AND SUB-FEEDERS
  7. CONNECTION OF ELECTRICAL CIRCUITS CROSSING OVER MODULE MATELINES) - (MULTI-UNITS ONLY).
  8. STRUCTURAL AND AESTHETIC INTERCONNECTIONS BETWEEN MODULES (MULTI-UNITS ONLY).
  9. FIRE INSPECTION
  10. GLAZED OPENING PROTECTION (SEE GENERAL NOTE NO. 8)
  11. FIRE ALARM

STRUCTURAL LOAD LIMITATIONS:

- FLOOR DEAD AND LIVE LOAD:  
A. DEAD LOAD = 15 PSF (VARIABLE)  
B. UNIFORM LIVE LOAD = 40 PSF 100 PSF CORRIDOR  
C. CONCENTRATED LIVE LOAD = 1000 LB OVER 30 INCH X 30 INCH AREA LOCATED ANYWHERE ON FLOOR. NOTE: UNIFORM AND CONCENTRATED LIVE LOADS ARE NOT SIMULTANEOUSLY APPLIED.
- ROOF DEAD AND LIVE LOAD:  
A. DEAD LOAD = 15 PSF (VARIABLE)  
B. LIVE LOAD = 20 PSF
- ROOF SNOW LOAD:  
A. SEISMIC SNOW LOAD:  $S_s = 20$  PSF  
B. SNOW EXPOSURE FACTOR:  $E_s = 1.0$   
C. SNOW IMPORTANCE FACTOR:  $I_s = 1.1$   
D. SNOW-LOAD FACTOR:  $C_s = 1.1$   
E. SNOW THERMAL FACTOR:  $T_s = 1.0$   
F. SNOW-LOAD FACTOR:  $S_s = 1.0$   
G. SNOW-LOAD FACTOR:  $S_s = 1.0$   
H. SNOW-LOAD FACTOR:  $S_s = 1.0$   
I. SNOW-LOAD FACTOR:  $S_s = 1.0$   
J. SNOW-LOAD FACTOR:  $S_s = 1.0$   
K. SNOW-LOAD FACTOR:  $S_s = 1.0$   
L. SNOW-LOAD FACTOR:  $S_s = 1.0$   
M. SNOW-LOAD FACTOR:  $S_s = 1.0$   
N. SNOW-LOAD FACTOR:  $S_s = 1.0$   
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P. SNOW-LOAD FACTOR:  $S_s = 1.0$   
Q. SNOW-LOAD FACTOR:  $S_s = 1.0$   
R. SNOW-LOAD FACTOR:  $S_s = 1.0$   
S. SNOW-LOAD FACTOR:  $S_s = 1.0$   
T. SNOW-LOAD FACTOR:  $S_s = 1.0$   
U. SNOW-LOAD FACTOR:  $S_s = 1.0$   
V. SNOW-LOAD FACTOR:  $S_s = 1.0$   
W. SNOW-LOAD FACTOR:  $S_s = 1.0$   
X. SNOW-LOAD FACTOR:  $S_s = 1.0$   
Y. SNOW-LOAD FACTOR:  $S_s = 1.0$   
Z. SNOW-LOAD FACTOR:  $S_s = 1.0$

- WIND LOAD:  
A. ULTIMATE WIND SPEED (3-SEC GUST):  $V_{ult} = 130$  MPH  
B. NOMINAL WIND SPEED (3-SEC GUST):  $V_{nom} = 100$  MPH  
C. RISK CATEGORY: II  
D. WIND EXPOSURE CATEGORY: B  
E. INTERNAL PRESSURE COEFFICIENT:  $C_{pi} = 0.18$   
F. COMPONENT & CLADDING ULTIMATE DESIGN PRESSURE (NOMINAL DESIGN PRESSURE) FOR ROOF ANGLES 0 TO 7 DEGREES:  
WALL ZONE 1:  $P = +/- 49.2$  PSF (Wind = +/- 29.5 PSF)  
WALL ZONE 4:  $P = +/- 36.8$  PSF (Wind = +/- 24.0 PSF)  
ROOF ZONE 1:  $P = - 92.9$  PSF (Wind = - 55.8 PSF)  
ROOF ZONE 2:  $P = - 61.7$  PSF (Wind = - 37.0 PSF)  
ROOF ZONE 1:  $P = - 36.8$  PSF (Wind = - 22.1 PSF)

- SEISMIC LOAD:  
A. RISK CATEGORY: II  
B. SEISMIC IMPORTANCE FACTOR:  $I_s = 1.25$   
C. SEISMIC RESPONSE COEFFICIENT:  $R_s = 0.02$   
D. SEISMIC DESIGN CATEGORY: II  
E. SEISMIC DESIGN CATEGORY: II  
F. SEISMIC FORCE RESISTING SYSTEM: S.A.S.  
G. DOMINANT LATERAL FORCE ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE ANALYSIS  
H. RESPONSE MODIFICATION FACTOR:  $R = 6.5$   
I. SEISMIC RESPONSE COEFFICIENT:  $C_s = 0.08$   
J. SEISMIC BASE SHEAR:  $V = 18816$  LBS

- FLOOR LOAD:  
THE MODULAR BUILDING UNITS ARE NOT DESIGNED TO BE SUBMITTED 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.
- ROOF RAIN LOAD (PER APPENDIX B):  
A. RAIN INTENSITY:  $I = 4.3$  INCHES/HOUR

MECHANICAL NOTES:

1. ALL SUPPLY AIR REGISTERS SHALL BE 14 INCHES X 14 INCHES ADJUSTABLE WITH OVERHEAD FIBERGLASS DUCT (SEE FLOOR PLAN FOR SIZES), UNLESS OTHERWISE SPECIFIED. DUCTS IN UNCONDITIONED SPACES SHALL HAVE R-8 MINIMUM INSULATION AND R-8 INSULATION WHERE LOCATED OUTSIDE THE BUILDING.
2. INTERIOR DOORS SHALL BE UNDERCUT 1.5 INCHES ABOVE FINISHED FLOOR FOR AIR RETURN AND/OR AS NOTED ON FLOOR PLAN (FOR UNLIMITED DOORS).
3. HVAC EQUIPMENT SHALL BE EQUIPPED W/OUTSIDE FRESH AIR INTAKES PROVIDING 7.5 CFM PER PERSON.
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 AND SHALL VENT NO CLOSER THAN 10 FEET FROM MECHANICAL INTAKE AND EXHAUST FANS SHALL RUN CONTINUOUSLY WHILE OCCUPIED.
6. THERMOSTAT MUST BE PROGRAMMABLE.

PLUMBING NOTES:

1. 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.
3. FLOORS SHALL HAVE A SMOOTH, HARD, NONABSORBENT SURFACE THAT EXTENDS UPWARD ONTO THE WALLS AT LEAST 6 INCHES.
4. THIS UNIT MUST BE CONNECTED TO A PUBLIC WATER SUPPLY AND SEWER SYSTEM IF THESE ARE AVAILABLE.
5. ALL PLUMBING FIXTURES SHALL HAVE SEPARATE SHUTOFF VALVES.
6. WATER HEATER SHALL HAVE SAFETY PAN WITH 1 INCH DRAIN TO EXTERIOR, 1" R & P RELIEF VALVE WITH DRAIN TO EXTERIOR, AND A SHUT OFF VALVE WITHIN 3 FEET ON A COLD WATER SUPPLY LINE.
7. DWV SYSTEM SHALL BE EITHER ABS OR PVC - DWV.
8. WINDOWS AND DOORS MUST BE CERTIFIED FOR COMPLIANCE WITH THE WIND DESIGN PRESSURE FOR COMPONENTS AND CLADDING.
9. WATER CLOSERS ARE TANK TYPE AND URINALS ARE FLUSH VALVE TYPE UNLESS OTHERWISE SPECIFIED.
10. BUILDING DRAIN AND CLEANSOUTS ARE DESIGNED AND SITE INSTALLED BY OTHERS, SUBJECT TO LOCAL JURISDICTION APPROVAL.
11. SHOWERS SHALL BE CONTROLLED BY AN APPROVED MIXING VALVE WITH A MAXIMUM WATER OUTLET TEMPERATURE OF 107° (48°C).
12. 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.
13. WATER PIPES INSTALLED IN A WALL EXPOSED TO THE EXTERIOR SHALL BE LOCATED ON THE HEATED SIDE OF THE WALL INSULATION.
14. WATER, SOIL AND WASTE PIPES IN UNCONDITION SPACES SHALL BE INSULATED AND PROTECTED FROM FREEZING.
15. CUSTOMER ASSUMES ALL RESPONSIBILITY FOR REQUIRED PLUMBING FACILITIES WHEN NOT SHOWN ON THE PLANS.
16. 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 110°F(43°C).
17. 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.
18. LAVATORY FAUCETS IN STUDENT RESTROOMS MUST BE OF THE METERING TYPE.

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.
4. SEE CROSS SECTION FOR ROOF TO WALL AND WALL TO FLOOR CONNECTIONS AND THE TIE DOWN REQUIREMENTS.
5. STRAPPING MUST BE TESTED AND/OR CERTIFIED TO VERIFY THE STRUCTURAL CAPACITY. APPROPRIATE DOCUMENTATION MUST BE ON FILE AT THE MODULAR BUILDING FACTORY.
6. WINDOWS AND DOORS MUST BE CERTIFIED FOR COMPLIANCE WITH THE WIND DESIGN PRESSURE FOR COMPONENTS AND CLADDING.
7. THIS BUILDING IS DESIGNED FOR NORTH CAROLINA CLIMATE ZONE 3a.
8. PROVISIONS FOR EXT DISCHARGE LIGHTING ARE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR AND SUBJECT TO LOCAL JURISDICTION APPROVAL WHEN NOT SHOWN ON THE FLOOR PLAN (INCLUDING EMERGENCY LIGHTING, WHEN REQUIRED).
9. PORTABLE FIRE EXTINGUISHER PER N.F.P.A. - 10 INSTALLED BY OTHERS ON SITE, AND SUBJECT TO LOCAL JURISDICTION.
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 NCBC.
11. A FIRE ALARM MUST BE SITE INSTALLED BY OTHERS, SUBJECT TO APPROVAL BY AUTHORITY HAVING JURISDICTION.
12. FOR NC INSTALLATION, REQUIRED EGRESS WINDOWS SHALL HAVE BOTTOM OF CLEAR OPENING NOT GREATER THAN 44" MEASURED FROM THE FLOOR, FOR CLASSROOMS SERVING 5TH GRADE AND LOWER THE BOTTOM OF THE CLEAR OPENING SHALL NOT BE MORE THAN 32" MEASURED FROM THE FLOOR.

ELECTRICAL NOTES:

1. ALL CIRCUITS AND EQUIPMENT SHALL BE GROUNDED IN ACCORDANCE WITH THE APPROPRIATE ARTICLES OF THE NATIONAL ELECTRICAL CODE (NEC).
2. WHEN LIGHT FIXTURES ARE INSTALLED IN CLOSETS THEY SHALL BE SURFACE MOUNTED OR RECESSED. RECESSED FIXTURES SHALL HAVE COMPLETELY ENCLOSED LAMPS. SURFACE MOUNTED RECESSED 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 DISCONNECT SWITCH OR CIRCUIT BREAKER SHALL BE PERMITTED TO SERVE 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 DISCONNECTING MEANS WHERE OTHER DISCONNECTING MEANS ARE ALSO PROVIDED BY A READY 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/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 MODULE MATELINES SHALL BE SITE CONNECTED WITH APPROVED ACCESSIBLE JUNCTION BOXES, OR CABLE CONNECTORS.
8. ALL RECEPTACLES INSTALLED IN NET LOCATIONS (EXTERIOR SHALL BE IN WEATHER PROOF (WP) ENCLOSURES THE INTERIOR OF WHICH IS NOT AFFECTED WHEN AN ATTACHMENT PLUG, CAP IS INSERTED OR REMOVED, IS AND 20 AMP RECEPTACLE OUTLETS INSTALLED ON THE EXTERIOR OF THE BUILDING MUST BE LISTED AND MARKED AS WEATHER RESISTANT TYPE.
9. EXTERIOR LIGHTS NOT INTENDED FOR 24 HOUR USE SHALL BE CONNECTED TO A PHOTOCELL OR TIMER.
10. THE BUILDINGS FIRE ALARM SYSTEM (PROTECTIVE SIGNALING SYSTEMS, FIRE DETECTION SYSTEMS, ETC.) SHALL BE DESIGNED IN ACCORDANCE WITH NFPA 101 AND NFPA 72 AND 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 ACCEPTABLE TO THE LOCAL AUTHORITY HAVING JURISDICTION. (THE FACP CANNOT BE INSTALLED IN A CLOSET OR BATHROOM).
11. TAMPER RESISTANT RECEIPTS TO BE PROVIDED IN ALL EDUCATION BUILDINGS.

N.C. INSTALLATION INSTRUCTIONS

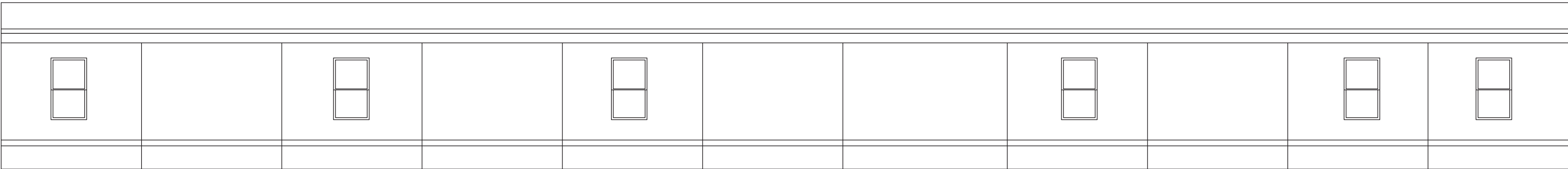
ATTENTION LOCAL INSPECTIONS DEPARTMENT

INSTALLATION INSTRUCTIONS FOR THIS MODULAR BUILDING ARE INCLUDED BY ATTACHMENT TO THESE PLANS. ANY PLANS SET WHICH DOES NOT CONTAIN AN ATTACHMENT ENTITLED "INSTALLATION INSTRUCTIONS" IS INCOMPLETE. REFER TO THE FOLLOWING SECTIONS OF THE PLAN SET AND INSTALLATION FOR IMPORTANT INFORMATION CONCERNING THE INSTALLATION OF THE MODULAR BUILDING.

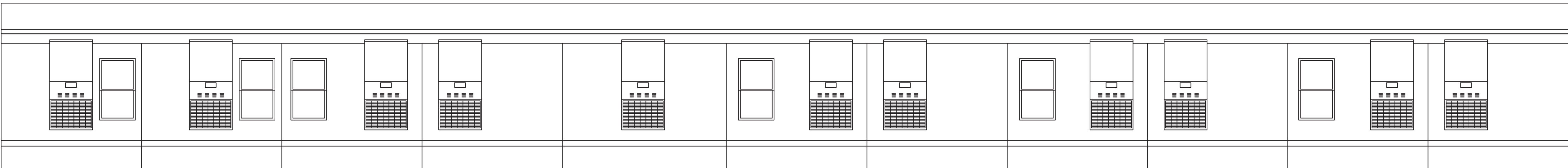
1. THE INTERCONNECTION BETWEEN BUILDING MODULES AT THE FLOOR AND ROOF SHALL BE SPECIFIED ON THE CROSS SECTION DRAWING ON THE PLAN SET.
2. BUILDING TIE DOWN AND ANCHORAGE REQUIREMENTS ARE AS INDICATED ON FOUNDATION PLAN.
3. ELECTRICAL INTERCONNECTIONS BETWEEN BUILDING MODULES SHALL BE PER PAGES E1.2, E2.0, E2.1, E2.2, E4.1 OF THE INSTALLATION INSTRUCTIONS (IF APPLICABLE).
4. MECHANICAL INTERCONNECTIONS BETWEEN BUILDING MODULES SHALL BE PER PAGES E1.0, E2.4, E2.5 OF THE INSTALLATION INSTRUCTIONS (IF APPLICABLE).
5. PLUMBING INTERCONNECTIONS BETWEEN BUILDING MODULES SHALL BE PER PAGES E1.1, E1.2, E2.3, E4.1 OF THE INSTALLATION INSTRUCTIONS (IF APPLICABLE).
6. FIRE BLOODING SHALL BE PROVIDED PER SECTION 717.2 AND 1406.2.3 OF THE N.C. BUILDING CODE (AS APPLICABLE).
7. AIR INFILTRATION AT MODULE MATE LINES SHALL BE LIMITED BY INSTALLING SEAL TAPL ABOVE THE MATE LINES DURING SET UP AND/OR BY INSTALLING CONTINUOUS SHEATING ACROSS THE MATE LINE JOINTS AFTER SET UP.

ACCESSIBILITY NOTES:

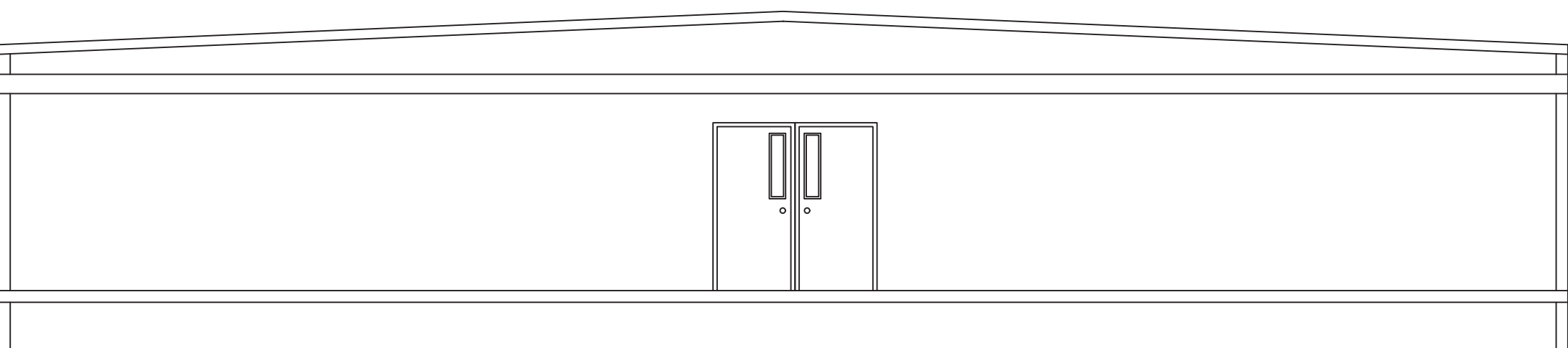
1. THE INTERNATIONAL SYMBOL OF ACCESSIBILITY SIGN SHALL BE DISPLAYED AT ALL ACCESSIBLE RESTROOM FACILITIES AND AT ACCESSIBLE BUILDING ENTRANCES UNLESS ALL ENTRANCES ARE ACCESSIBLE. ENTRANCES ARE ACCESSIBLE IF THEY ARE DIRECTIONAL SIGNS INDICATING THE ROUTE TO THE NEAREST ACCESSIBLE ENTRANCE.
2. ACCESSIBLE DRINKING FOUNTAINS SHALL HAVE A SPOUT HEIGHT NO HIGHER THAN 36 INCHES ABOVE THE FLOOR AND A BOTTLE FILLING HEIGHT NO HIGHER THAN 34 INCHES ABOVE THE FLOOR. ACCESSIBLE DRINKING FOUNTAINS SHALL HAVE A BOTTLE FILLING HEIGHT NO HIGHER THAN 34 INCHES ABOVE THE FLOOR. ACCESSIBLE DRINKING FOUNTAINS SHALL HAVE A BOTTLE FILLING HEIGHT NO HIGHER THAN 34 INCHES ABOVE THE FLOOR. ACCESSIBLE DRINKING FOUNTAINS SHALL HAVE A BOTTLE FILLING HEIGHT NO HIGHER THAN 34 INCHES ABOVE THE FLOOR.
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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, WHICH EVER 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 MAXIMUM. THE MAXIMUM FORCE REQUIRED FOR PUSHING OR PULLING OPEN DOORS OTHER THAN FIRE DOORS SHALL NOT EXCEED 5 LBS. 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 MAX. GRATING IN FLOOR SHALL HAVE SPACES NO GREATER THAN 0.5 INCH WIDE IN ONE DIRECTION. DOWNWAY THRESHOLDS SHALL NOT EXCEED 0.5 INCH IN HEIGHT.
8. ACCESSIBLE WATER CLOSERS 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 ABOVE THE 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 WITH THE CENTER LINE OF THE BAR LOCATED BETWEEN 39 INCHES 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. ONE CLEARANCE OF AT LEAST 27 INCHES HIGH MUST BE PROVIDED WITH A MINIMUM DEPTH OF 8 INCHES BENEATH THE FUTURE. AND 8 INCHES MINIMUM LENGTH. A MINIMUM DEPTH OF 11 INCHES OVER THE FUTURE. 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.
12. ACCESSIBLE LAVATORIES AND SINKS SHALL HAVE ACCESSIBLE 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 REFLECTING SURFACE A MAXIMUM OF 40 INCHES ABOVE THE FLOOR. OTHER MIRRORS IN 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 (I.E. 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 THE SELF-CLOSING TYPE.
18. A TOWEL DISPENSER SHALL BE LOCATED ADJACENT TO ALL ACCESSIBLE LAVATORIES.



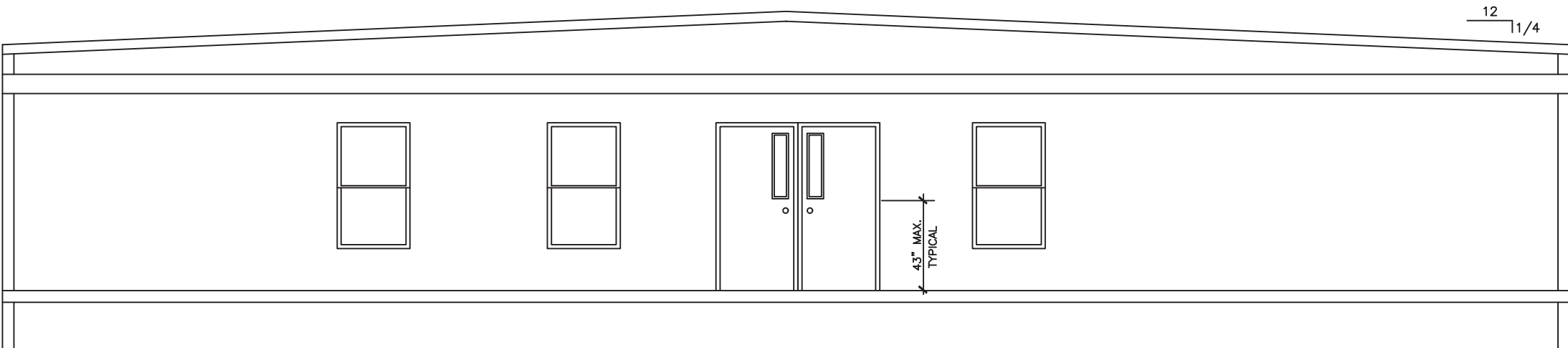
LEFT ELEVATION



RIGHT ELEVATION



REAR ELEVATION



FRONT ELEVATION

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 INTENDED TO BE ALL INCLUSIVE.  
NOR DO THESE ELEVATIONS DETAIL EVERY  
CODE REQUIRED ASPECT OF THIS BLDG.  
SITE BUILT STAIRS, 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 PER LOCAL AUTHORITY HAVING  
JURISDICTION, WHETHER DETAILED IN THIS  
SET OR NOT, MUST BE MET.

BUILDING DESIGN PARAMETERS

1. USE/OCCUPANCY: EDUCATION
2. AGE GROUP: 18-24
3. CONSTRUCTION TYPE: V-B
4. SPRINKLER SYSTEM: NO
5. BUILDING AREA: 8341 S.F.
6. BUILDING HEIGHT: 2.15 FEET
7. NUMBER OF STORIES: 1
8. OCCUPANT LOAD: 200 BASED ON 20 NET SF/PERSON IN CLASSROOMS, 15 NET SF/PERSON IN CONFERENCE ROOM AND 100 SF/PERSON CLOSET
9. EXTERIOR WALL FIRE RATING: NOT RATED
10. THIS BUILDING MUST BE INSTALLED WITH THE FIRE SEPARATION DISTANCES REQUIRED BY NCBC 602 AND SECTION 705.3
11. EMERGENCY CODE COMPLIANCE: SEE ATTACHED ENERGY CALCULATIONS
12. MANUFACTURERS DATA PLATE, STATE LABELS AND EMC LABELS ARE TO BE LOCATED ADJACENT TO ELECTRICAL PANEL.

CONSULTING ENGINEER KENNETH EARL DUNNION — 195 TOMMY HOOKS RD. — AMERICUS, GEORGIA 31709 — 229-942-1920

R. JOHNSON  
APPROVED  
05.17.2023

DATE: 4-16-23  
SCALE: NO SCALE  
STATES: NC  
REFERENCE: 10735

REVISIONS:  
DB10735 A-K  
130'-4" x 64'-0" EDUCATION

SHEET  
1 OF 4

DIAMOND BUILDERS INC.  
440 THOMPSON DR.  
DOUGLASS, GEORGIA 31534  
(912) 384-7080

COVER SHEET  
DESTINATION: GOLDSBORO

| ELECTRICAL SCHEDULE 'B'             |                |            |            |            |
|-------------------------------------|----------------|------------|------------|------------|
| CIRCUIT                             | DESCRIPTION    | WIRE (ECL) | WIRE (ECL) | WIRE (ECL) |
| 1, 3                                | HVC            | 80 X 200   | 100        | 100        |
| 4, 6                                | RECEIPTABLE/WM | 20 A       | 12-2 NM    |            |
| 2                                   | LIGHTING       | 10 A       | 14-2 NM    |            |
| ELECTRICAL PANEL SIZING:            |                |            |            |            |
| DESCRIPTION: PANEL 'B' KVA          |                |            |            |            |
| 0030 KW/72 SF X 636 SF X 1.25 = 2.4 |                |            |            |            |
| 11 RECEPTS AT 180W/100W = 2.0       |                |            |            |            |
| WATER HEATER 1.9 KW X 1.25 = 2.4    |                |            |            |            |
| 11 FAN @ .3 KW X 1.25 = 4.1         |                |            |            |            |
| HVC = 10.5                          |                |            |            |            |
| TOTAL 15.1 KW                       |                |            |            |            |
| TOTAL/240 V 1000W = 63 AMPS         |                |            |            |            |
| INSTALL 125 AMP PANEL               |                |            |            |            |
| 120/240 V 1P                        |                |            |            |            |

| ELECTRICAL SCHEDULE 'D'             |                |            |            |            |
|-------------------------------------|----------------|------------|------------|------------|
| CIRCUIT                             | DESCRIPTION    | WIRE (ECL) | WIRE (ECL) | WIRE (ECL) |
| 1, 3                                | HVC            | 80 X 200   | 100        | 100        |
| 4, 6                                | RECEIPTABLE/WM | 20 A       | 12-2 NM    |            |
| 2                                   | LIGHTING       | 10 A       | 14-2 NM    |            |
| ELECTRICAL PANEL SIZING:            |                |            |            |            |
| DESCRIPTION: PANEL 'D' KVA          |                |            |            |            |
| 0030 KW/72 SF X 636 SF X 1.25 = 2.4 |                |            |            |            |
| 11 RECEPTS AT 180W/100W = 2.0       |                |            |            |            |
| WATER HEATER 1.9 KW X 1.25 = 2.4    |                |            |            |            |
| 11 FAN @ .3 KW X 1.25 = 4.1         |                |            |            |            |
| HVC = 10.5                          |                |            |            |            |
| TOTAL 15.1 KW                       |                |            |            |            |
| TOTAL/240 V 1000W = 63 AMPS         |                |            |            |            |
| INSTALL 125 AMP PANEL               |                |            |            |            |
| 120/240 V 1P                        |                |            |            |            |

| ELECTRICAL SCHEDULE 'F'             |                |            |            |            |
|-------------------------------------|----------------|------------|------------|------------|
| CIRCUIT                             | DESCRIPTION    | WIRE (ECL) | WIRE (ECL) | WIRE (ECL) |
| 1, 3                                | HVC            | 80 X 200   | 100        | 100        |
| 4, 6                                | RECEIPTABLE/WM | 20 A       | 12-2 NM    |            |
| 2                                   | LIGHTING       | 10 A       | 14-2 NM    |            |
| ELECTRICAL PANEL SIZING:            |                |            |            |            |
| DESCRIPTION: PANEL 'F' KVA          |                |            |            |            |
| 0030 KW/72 SF X 636 SF X 1.25 = 2.4 |                |            |            |            |
| 11 RECEPTS AT 180W/100W = 2.0       |                |            |            |            |
| WATER HEATER 1.9 KW X 1.25 = 2.4    |                |            |            |            |
| 11 FAN @ .3 KW X 1.25 = 4.1         |                |            |            |            |
| HVC = 10.5                          |                |            |            |            |
| TOTAL 15.1 KW                       |                |            |            |            |
| TOTAL/240 V 1000W = 63 AMPS         |                |            |            |            |
| INSTALL 125 AMP PANEL               |                |            |            |            |
| 120/240 V 1P                        |                |            |            |            |

| ELECTRICAL SCHEDULE 'H'             |                |            |            |            |
|-------------------------------------|----------------|------------|------------|------------|
| CIRCUIT                             | DESCRIPTION    | WIRE (ECL) | WIRE (ECL) | WIRE (ECL) |
| 1, 3                                | HVC            | 80 X 200   | 100        | 100        |
| 4, 6                                | RECEIPTABLE/WM | 20 A       | 12-2 NM    |            |
| 2                                   | LIGHTING       | 10 A       | 14-2 NM    |            |
| ELECTRICAL PANEL SIZING:            |                |            |            |            |
| DESCRIPTION: PANEL 'H' KVA          |                |            |            |            |
| 0030 KW/72 SF X 636 SF X 1.25 = 2.4 |                |            |            |            |
| 11 RECEPTS AT 180W/100W = 2.0       |                |            |            |            |
| WATER HEATER 1.9 KW X 1.25 = 2.4    |                |            |            |            |
| 11 FAN @ .3 KW X 1.25 = 4.1         |                |            |            |            |
| HVC = 10.5                          |                |            |            |            |
| TOTAL 15.1 KW                       |                |            |            |            |
| TOTAL/240 V 1000W = 63 AMPS         |                |            |            |            |
| INSTALL 125 AMP PANEL               |                |            |            |            |
| 120/240 V 1P                        |                |            |            |            |

| ELECTRICAL SCHEDULE 'J'             |                |            |            |            |
|-------------------------------------|----------------|------------|------------|------------|
| CIRCUIT                             | DESCRIPTION    | WIRE (ECL) | WIRE (ECL) | WIRE (ECL) |
| 1, 3                                | HVC            | 80 X 200   | 100        | 100        |
| 4, 6                                | RECEIPTABLE/WM | 20 A       | 12-2 NM    |            |
| 2                                   | LIGHTING       | 10 A       | 14-2 NM    |            |
| ELECTRICAL PANEL SIZING:            |                |            |            |            |
| DESCRIPTION: PANEL 'J' KVA          |                |            |            |            |
| 0030 KW/72 SF X 636 SF X 1.25 = 2.4 |                |            |            |            |
| 11 RECEPTS AT 180W/100W = 2.0       |                |            |            |            |
| WATER HEATER 1.9 KW X 1.25 = 2.4    |                |            |            |            |
| 11 FAN @ .3 KW X 1.25 = 4.1         |                |            |            |            |
| HVC = 10.5                          |                |            |            |            |
| TOTAL 15.1 KW                       |                |            |            |            |
| TOTAL/240 V 1000W = 63 AMPS         |                |            |            |            |
| INSTALL 125 AMP PANEL               |                |            |            |            |
| 120/240 V 1P                        |                |            |            |            |

| ELECTRICAL SCHEDULE 'K'              |                |            |            |            |
|--------------------------------------|----------------|------------|------------|------------|
| CIRCUIT                              | DESCRIPTION    | WIRE (ECL) | WIRE (ECL) | WIRE (ECL) |
| 1, 3                                 | HVC            | 80 X 200   | 100        | 100        |
| 4, 6                                 | RECEIPTABLE/WM | 20 A       | 12-2 NM    |            |
| 2                                    | LIGHTING       | 10 A       | 14-2 NM    |            |
| ELECTRICAL PANEL SIZING:             |                |            |            |            |
| DESCRIPTION: PANEL 'K' KVA           |                |            |            |            |
| 0030 KW/72 SF X 1013 SF X 1.25 = 3.8 |                |            |            |            |
| 22 RECEPTS AT 180W/100W = 4.0        |                |            |            |            |
| WATER HEATER 1.9 KW X 1.25 = 2.4     |                |            |            |            |
| 11 FAN @ .3 KW X 1.25 = 4.1          |                |            |            |            |
| HVC = 10.5                           |                |            |            |            |
| TOTAL 18.7 KW                        |                |            |            |            |
| TOTAL/240 V 1000W = 78 AMPS          |                |            |            |            |
| INSTALL 125 AMP PANEL                |                |            |            |            |
| 120/240 V 1P                         |                |            |            |            |

| SYMBOLS        |                                                        |
|----------------|--------------------------------------------------------|
| A-B-SIDES ONLY |                                                        |
| 1              | FIRE ALARM PULL STATION                                |
| 2              | FIRE ALARM HOIST/STROBE                                |
| 3              | FIRE ALARM STROBE LIGHT                                |
| 4              | JUNCTION BOX (NON POWERED UNLESS CIRCUIT NO. IS SHOWN) |
| 5              | SMOKE DETECTOR                                         |
| 6              | DUPLEX RECEPTACLE 120 V.                               |
| 7              | SINGLE RECEPTACLE 240 V.                               |
| 8              | PORCH LIGHT WITH 1-13 W. BULB                          |
| 9              | LED PORCH LIGHT WITH 1-13 W. BULB                      |
| 10             | HIGH PRESSURE SODIUM LIGHT                             |
| 11             | METAL HANGAR WALL PACK                                 |
| 12             | VENT FAN                                               |
| 13             | COMB. VENT FAN & 13A. LIGHT                            |
| 14             | SUPPLY AIR REGISTER                                    |
| 15             | RETURN AIR REGISTER                                    |
| 16             | FLOOD LIGHT 2-150W BULBS                               |
| 17             | THERMOSTAT                                             |
| 18             | FLOOR LIGHT FIXTURE WITH 22W. 1-8                      |
| 19             | LED EXT/EMERGENCY COMBO W/BATTERY BACKUP               |
| 20             | EXT/EMERGENCY COMBO W/REMOTE HEAD                      |
| 21             | LED EXT/EMERGENCY COMBO W/BATTERY BACKUP               |
| 22             | EXT. SON W/BATTERY BACKUP                              |
| 23             | LED EMERGENCY LIGHT WITH BATTERY BACKUP                |
| 24             | TELEPHONE JACK                                         |
| 25             | SWITCH & 3 WAY SWITCH                                  |
| 26             | OCCUPANCY SENSOR SWITCH                                |
| 27             | FIRE EXTINGUISHER                                      |

| ELECTRICAL SCHEDULE 'A'              |                |            |            |            |
|--------------------------------------|----------------|------------|------------|------------|
| CIRCUIT                              | DESCRIPTION    | WIRE (ECL) | WIRE (ECL) | WIRE (ECL) |
| 1, 3                                 | HVC            | 80 X 200   | 100        | 100        |
| 4, 6                                 | RECEIPTABLE/WM | 20 A       | 12-2 NM    |            |
| 2                                    | LIGHTING       | 10 A       | 14-2 NM    |            |
| ELECTRICAL PANEL SIZING:             |                |            |            |            |
| DESCRIPTION: PANEL 'A' KVA           |                |            |            |            |
| 0030 KW/72 SF X 1180 SF X 1.25 = 4.5 |                |            |            |            |
| 11 RECEPTS AT 180W/100W = 2.0        |                |            |            |            |
| WATER HEATER 1.9 KW X 1.25 = 2.4     |                |            |            |            |
| 11 FAN @ .3 KW X 1.25 = 4.1          |                |            |            |            |
| HVC = 10.5                           |                |            |            |            |
| TOTAL 17.4 KW                        |                |            |            |            |
| TOTAL/240 V 1000W = 73 AMPS          |                |            |            |            |
| INSTALL 125 AMP PANEL                |                |            |            |            |
| 120/240 V 1P                         |                |            |            |            |

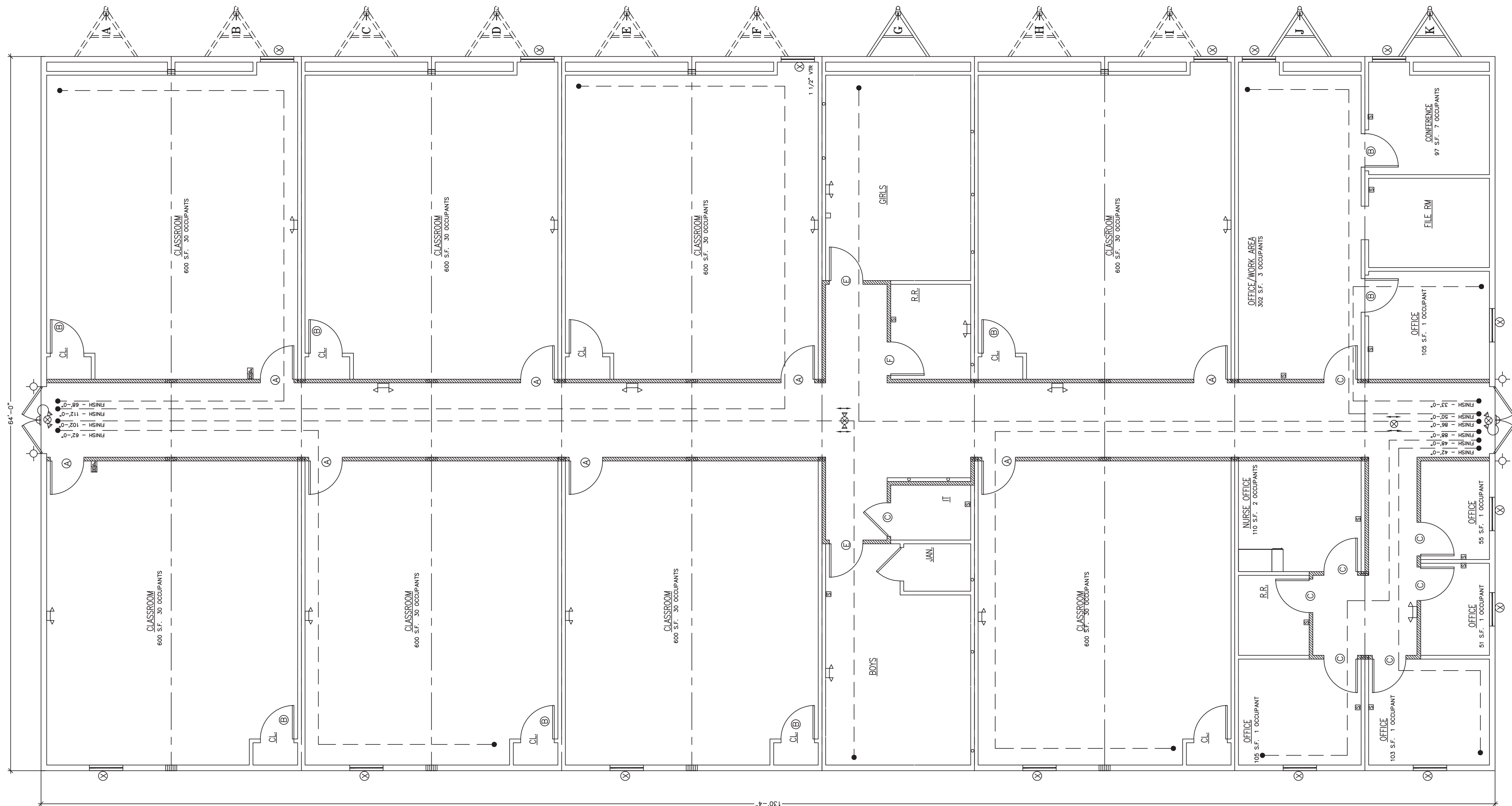
| ELECTRICAL SCHEDULE 'C'             |                |            |            |            |
|-------------------------------------|----------------|------------|------------|------------|
| CIRCUIT                             | DESCRIPTION    | WIRE (ECL) | WIRE (ECL) | WIRE (ECL) |
| 1                                   | WATER          | 80 X 200   | 100        | 100        |
| 4, 6                                | RECEIPTABLE/WM | 20 A       | 12-2 NM    |            |
| 2                                   | LIGHTING       | 10 A       | 14-2 NM    |            |
| ELECTRICAL PANEL SIZING:            |                |            |            |            |
| DESCRIPTION: PANEL 'C' KVA          |                |            |            |            |
| 0030 KW/72 SF X 636 SF X 1.25 = 2.4 |                |            |            |            |
| 11 RECEPTS AT 180W/100W = 2.0       |                |            |            |            |
| WATER HEATER 1.9 KW X 1.25 = 2.4    |                |            |            |            |
| 11 FAN @ .3 KW X 1.25 = 4.1         |                |            |            |            |
| HVC = 10.5                          |                |            |            |            |
| TOTAL 15.3 KW                       |                |            |            |            |
| TOTAL/240 V 1000W = 64 AMPS         |                |            |            |            |
| INSTALL 125 AMP PANEL               |                |            |            |            |
| 120/240 V 1P                        |                |            |            |            |

| ELECTRICAL SCHEDULE 'E'             |                |            |            |            |
|-------------------------------------|----------------|------------|------------|------------|
| CIRCUIT                             | DESCRIPTION    | WIRE (ECL) | WIRE (ECL) | WIRE (ECL) |
| 1, 3                                | HVC            | 80 X 200   | 100        | 100        |
| 4, 6                                | RECEIPTABLE/WM | 20 A       | 12-2 NM    |            |
| 2                                   | LIGHTING       | 10 A       | 14-2 NM    |            |
| ELECTRICAL PANEL SIZING:            |                |            |            |            |
| DESCRIPTION: PANEL 'E' KVA          |                |            |            |            |
| 0030 KW/72 SF X 636 SF X 1.25 = 2.4 |                |            |            |            |
| 11 RECEPTS AT 180W/100W = 2.0       |                |            |            |            |
| WATER HEATER 1.9 KW X 1.25 = 2.4    |                |            |            |            |
| 11 FAN @ .3 KW X 1.25 = 4.1         |                |            |            |            |
| HVC = 10.5                          |                |            |            |            |
| TOTAL 15.3 KW                       |                |            |            |            |
| TOTAL/240 V 1000W = 64 AMPS         |                |            |            |            |
| INSTALL 125 AMP PANEL               |                |            |            |            |
| 120/240 V 1P                        |                |            |            |            |

| ELECTRICAL SCHEDULE 'G'             |                |            |            |            |
|-------------------------------------|----------------|------------|------------|------------|
| CIRCUIT                             | DESCRIPTION    | WIRE (ECL) | WIRE (ECL) | WIRE (ECL) |
| 1, 3                                | HVC            | 80 X 200   | 100        | 100        |
| 4, 6                                | RECEIPTABLE/WM | 20 A       | 12-2 NM    |            |
| 2                                   | LIGHTING       | 10 A       | 14-2 NM    |            |
| ELECTRICAL PANEL SIZING:            |                |            |            |            |
| DESCRIPTION: PANEL 'G' KVA          |                |            |            |            |
| 0030 KW/72 SF X 722 SF X 1.25 = 2.4 |                |            |            |            |
| 11 RECEPTS AT 180W/100W = 2.0       |                |            |            |            |
| WATER HEATER 1.9 KW X 1.25 = 2.4    |                |            |            |            |
| 11 FAN @ .3 KW X 1.25 = 4.1         |                |            |            |            |
| HVC = 10.5                          |                |            |            |            |
| TOTAL 15.6 KW                       |                |            |            |            |
| TOTAL/240 V 1000W = 65 AMPS         |                |            |            |            |
| INSTALL 125 AMP PANEL               |                |            |            |            |
| 120/240 V 1P                        |                |            |            |            |

| ELECTRICAL SCHEDULE 'I'             |                |            |            |            |
|-------------------------------------|----------------|------------|------------|------------|
| CIRCUIT                             | DESCRIPTION    | WIRE (ECL) | WIRE (ECL) | WIRE (ECL) |
| 1, 3                                | HVC            | 80 X 200   | 100        | 100        |
| 4, 6                                | RECEIPTABLE/WM | 20 A       | 12-2 NM    |            |
| 2                                   | LIGHTING       | 10 A       | 14-2 NM    |            |
| ELECTRICAL PANEL SIZING:            |                |            |            |            |
| DESCRIPTION: PANEL 'I' KVA          |                |            |            |            |
| 0030 KW/72 SF X 636 SF X 1.25 = 2.4 |                |            |            |            |
| 11 RECEPTS AT 180W/100W = 2.0       |                |            |            |            |
| WATER HEATER 1.9 KW X 1.25 = 2.4    |                |            |            |            |
| 11 FAN @ .3 KW X 1.25 = 4.1         |                |            |            |            |
| HVC = 10.5                          |                |            |            |            |
| TOTAL 15.6 KW                       |                |            |            |            |
| TOTAL/240 V 1000W = 65 AMPS         |                |            |            |            |
| INSTALL 125 AMP PANEL               |                |            |            |            |
| 120/240 V 1P                        |                |            |            |            |

| ELECTRICAL SCHEDULE 'K'  |                |            |            |            |
|--------------------------|----------------|------------|------------|------------|
| CIRCUIT                  | DESCRIPTION    | WIRE (ECL) | WIRE (ECL) | WIRE (ECL) |
| 1, 3                     | HVC            | 80 X 200   | 100        | 100        |
| 4, 6                     | RECEIPTABLE/WM | 20 A       | 12-2 NM    |            |
| 2                        | LIGHTING       | 10 A       | 14-2 NM    |            |
| ELECTRICAL PANEL SIZING: |                |            |            |            |



| WINDOW SCHEDULE  |                                                                                                                                              |
|------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| EXTERIOR:        | 36"x60" VERTICAL SLIDER 1/20" / 50" OP INSULATED LOW-E WHITE VINYL FRAME, TINTED GLASS                                                       |
| OPENING:         | 30.375" x 27" = 5.7 S.F.                                                                                                                     |
| NOTE:            | EACH DOT DOOR IS ABLE TO ACCOMMODATE: (2) 75-60 DOOR, 64" CLEAR WIDTH EACH DOOR 64/0/20 = 320 EACH (2) TOTAL DOORS 640 PERSON TOTAL CAPACITY |
| NUMBER OF EXITS: | REQUIRED: 2 PROVIDED: 2                                                                                                                      |

| LIFE SAFETY PARAMETERS                                                                                                         |  |
|--------------------------------------------------------------------------------------------------------------------------------|--|
| 1. USE/OCCUPANCY: EDUCATION                                                                                                    |  |
| 2. AREA: 8341 S.F.                                                                                                             |  |
| 3. OCCUPANT LOAD: 257 BASED ON 20 NET SF/PERSON IN CLASSROOMS, 15 NET SF/PERSON IN CONFERENCE ROOM AND 100 SF/PERSON ELSEWHERE |  |

| SYMBOL | DOOR                                                                                 | SCHEDULE | TOTAL |
|--------|--------------------------------------------------------------------------------------|----------|-------|
| A      | 36"x80" 20 MINUTE FIRE-RATED IMPERIAL OAK WITH 4"x24" VIEW BLOCK, SAFETY GLASS LEVER |          | 8     |
| B      | 36"x80" SOLID CORE IMPERIAL OAK W/REDFRAME, LEVER                                    |          | 10    |
| C      | 36"x80" 20 MINUTE FIRE-RATED IMPERIAL OAK, LEVER                                     |          | 8     |
| D      | 72"x80" STEEL/STEEL W/4"x24" VIEW PANEL PANO HARDWARE                                |          | 2     |
| E      | 36"x80" 20 MINUTE FIRE-RATED IMPERIAL OAK PUSH/PULL WITH LATCH                       |          | 2     |
| F      | 36"x80" 20 MINUTE FIRE-RATED IMPERIAL OAK, PRIVACY LEVER                             |          | 2     |

| SYMBOL | WINDOW SCHEDULE                                 | TOTAL |
|--------|-------------------------------------------------|-------|
| X      | 36"x60" VERTICAL SLIDE, INSULATED BRONZE/TINTED | 15    |



|                                                                                                        |                                                                    |
|--------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|
| CONSULTING ENGINEER KENNETH EARL DUNNOM — 195 TOMMY HOOKS RD. — AMERICUS, GEORGIA 31709 — 229-942-2020 |                                                                    |
| DIAMOND BUILDERS INC.<br>P.O. BOX 2200 DOUGLASS, GEORGIA 31034 440 THOMPSON DR. (912) 384-7080         |                                                                    |
| DATE: 4-16-23<br>SCALE: 3/16"=1'-0"<br>CODES: SEE NOTES<br>STATES: NC<br>REFERENCE: 10735              | REVISIONS:<br>BY: K.E.D.<br>SHEET 3 OF 4<br>DESTINATION: GOLDSBORO |

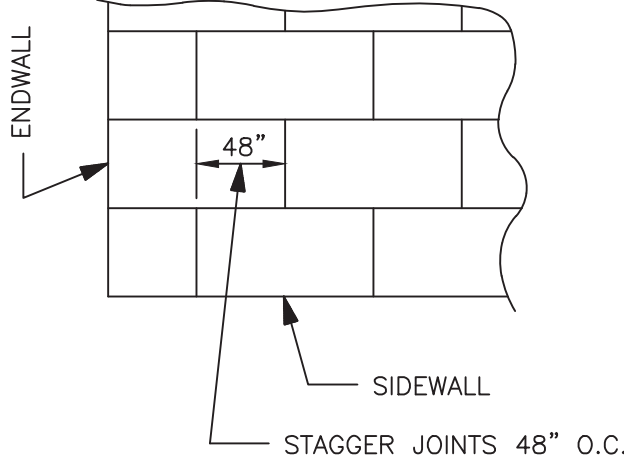
INTERIOR FINISH MATERIAL:

- CEILING - 1/2" GYP. BOARD INSTALLED PER MANUFACTURERS SPECIFICATIONS, (SEASPRAY FINISH)
- WALLS - 5/8" TYPE 'X' GYPSUM BOARD (VCG THROUGH OUT) INSTALLED PER MANUFACTURERS SPECIFICATIONS
- FLOOR - SEE FLOOR PLAN

NOTE:  
INTERIOR WALL AND CEILING FINISH SHALL BE CLASS B OR BETTER IN  
IN CORRIDORS AND CLASS C OR BETTER IN ROOMS AND ENCLOSED SPACES.  
FLOOR FINISHES SHALL BE CLASS II OR BETTER.

EXTERIOR FINISH MATERIAL:

- ROOF - MULE-HIDE 45 MIL (BLACK) 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 - 7/16" HARDI PANEL SIDING OVER APPROVED MOISTURE BARRIER INSTALLED PER MANUFACTURERS SPECIFICATIONS.

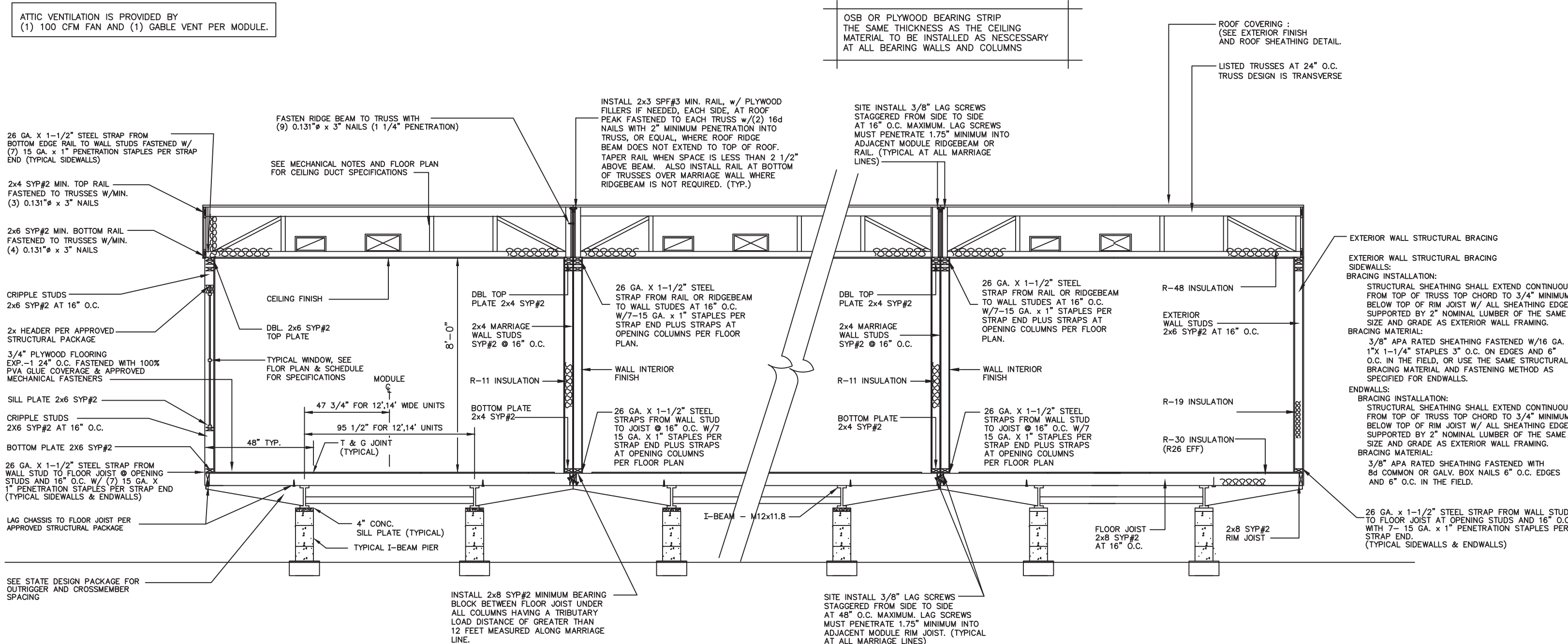


ROOF SHEATHING TO BE FASTENED TO TRUSSES W/0.099"Ø x 2" NAILS AT 6" O.C. ON EDGES & 6" O.C. IN THE FIELD ON ALL ZONES

ROOF SHEATHING DETAIL

APPROVED TRUSS DESIGN:

TRUSS MANUFACTURER: S.W. GEORGIA WHOLESALE  
TRUSS DRAWING. # SW-FT27100  
TRUSS DRAWING. # SW-FT28100



GENERAL CROSS-SECTION NOTES:

- UNLESS OTHERWISE SPECIFIED, ALL STEEL MUST COMPLY W/ ASTM A36, YIELD STRENGTH = 36 KSI.
- ALL LAG SCREWS MUST COMPLY W/ ANSI/ ASME B18.2.1. F<sub>ty</sub> = 60 KSI MINIMUM.
- SEE FOUNDATION PLAN FOR PIER AND TIE-DOWN STRAPPING LOCATIONS, ORIENTATIONS, AND SPECIFICATIONS.

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 CLEARSPAN.

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 PERMITTED.
- PLYWOOD MUST BE MANUFACTURED IN ACCORDANCE W/ PS I-95.
- PLYWOOD LAMINATIONS IN EACH HALF OF THE UNITS MUST BE GLUE NAILED TO ADJACENT LAYERS IN ACCORDANCE W/PS SUPPLEMENT #5, W/ AN ADHESIVE COMPLYING W/ASTM D2559 (SEE APPROVED PACKAGE FOR MECHANICAL FASTENER SPECIFICATIONS & SPACING REQUIREMENTS).
- 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.
- INSTALL (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.



|                            |  |                                                                                    |  |
|----------------------------|--|------------------------------------------------------------------------------------|--|
| CONSULTING ENGINEER        |  | KENNETH EARL DUNNOM - 195 TOMMY HOOKS RD. - AMERICUS, GEORGIA 31709 - 229-942-2020 |  |
| DATE: 4-16-23              |  | REVISIONS:                                                                         |  |
| SCALE : NO SCALE           |  |                                                                                    |  |
| CODES: SEE NOTES           |  |                                                                                    |  |
| STATES: NC                 |  | BY: K.E.D.                                                                         |  |
| REFERENCE: 10735           |  | SHEET                                                                              |  |
| DB10735 A-K                |  | 4 OF 4                                                                             |  |
| 130'-4" x 64'-0" EDUCATION |  |                                                                                    |  |
| CROSS SECTION              |  | DESTINATION: GOLDSBORO                                                             |  |