

- ANY SITE ADDED STRUCTURES MUST BE INDEPENDENT OF THE FACTORY BUILDING UNLESS THE ENTIRE BUILDING IS REEVALUATED BY THE SITE ENGINEER.
- TYPICAL FOUNDATION LAYOUT SHOWN IN THIS PACKAGE IS TO AID THE SITE ENGINEER/ARCHITECT FOR LOCATIONS OF REQUIRED SUPPORTS. ACTUAL FOUNDATION MUST BE DESIGNED TO SITE CONDITIONS FOR ALL APPLICABLE LOADS. THIS INCLUDES BUT IS NOT LIMITED TO CONSTRUCTION OF THE FOUNDATION, SEISMIC DESIGN AND ATTACHING THE BUILDING TO THE FOUNDATION, ALONG WITH THE RESISTANCE TO LATERAL, LONGITUDINAL SHEAR, UPLIFT AND DOWNWARD FORCES IN BOTH DIRECTIONS. REFER TO BRACING PAGE FOR APPLICABLE BRACING/SEISMIC LOADS FOR ATTACHING THE BUILDING TO FOUNDATIONS.

FLOOR DEAD AND LIVE LOAD:
 A. DEAD LOAD = 12 PSF (AVERAGE).
 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 = 13 PSF (AVERAGE).
 B. LIVE LOAD = 20 PSF.

ROOF SNOW LOAD:
 A. GROUND SNOW LOAD: $P_g = 20$ PSF
 B. FLAT-ROOF SNOW LOAD: $P_f = 20$ PSF
 C. SNOW EXPOSURE FACTOR: $C_e = 1.0$
 D. SNOW IMPORTANCE FACTOR: $I_s = 1.1$
 E. SNOW THERMAL FACTOR: $C_t = 1.0$
 F. ROOF SLOPE FACTOR: $C_s = 1.0$
 G. CLOSED ROOF SNOW LOAD: $P_s = P_g + C_s$
 H. DESIGN IS BASED ON FULL OR PARTIALLY EXPOSED ROOF PER
 ASCE 7-10

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. PROVIDE SPECIFIED INSULATION WITH A MINIMUM INSULATION AND R-8 INSULATION WHERE LOCATED OUTSIDE THE BUILDING.
2. INDOOR DUCTS SHALL BE UNDERLAPPED 1.5 INCHES ABOVE FINISHED FLOOR FOR AIR RETURN AND/OR AS NOTED ON FLOOR PLAN (FOR UNRAIRED DUCTS) HVAC EQUIPMENT SHALL BE EQUIPPED W/OUTSIDE FRESH AIR INTAKES PROVIDING 1 CFM PER PERSON.
3. VENT FANS SHALL BE DUCTED TO THE EXTERIOR AND TERMINATE AT AN APPROVED VENT CAP.
4. EXHAUST FANS SHALL PROVIDE A MINIMUM OF 70 CFM FOR EACH WATER CLOSET AND URINAL. SHALL VENT NOT CLOSER THAN 10 FEET FROM MECHANICAL INTAKE.
5. EXHAUST FANS SHALL RUN CONTINUOUSLY WHEN OCCUPIED.
6. THERMISTAT MUST BE PROGRAMED TO

1. TOILET SINK SHALL BE ELONGATED WITH NONABSORBENT OPEN FRONT SEATS.
2. REST ROOM WALLS SHALL BE COVERED WITH NONABSORBANT MATERIAL TO A MINIMUM HEIGHT OF 48 INCHES A.F.F.
3. FLOOR SHALL HAVE A NONABSORBENT SURFACE THAT EXTENDS UPWARD ON THE WALLS AT LEAST 6 INCHES.
3. THIS UNIT MUST BE CONNECTED TO A PUBLIC WATER SUPPLY AND SEWER SYSTEM IF THESE ARE AVAILABLE.
4. ALL PLUMBING FIXTURES SHALL HAVE SEPARATE SHUTOFF VALVES.
5. WATER WASHING SINK SHALL BE SAFETY PAN WITH 1 INCH DRAIN TO EXTERIOR, T & P RELIEF VALVE WITH DRAIN TO EXTERIOR, AND A SHUT OFF VALVE WITHIN 3 FEET ON A COLD WATER SUPPLY LINE.
6. DWV SYSTEM SHALL BE EITHER ABS OR PVC - DWV.
7. WATER SUPPLY LINES SHALL BE CPVC AND SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
8. WATER CLOSETS ARE TANK TYPE AND URINALS ARE FLUSH VALVE TYPE UNLESS

1. ACCESS TO BUILDING PERSONS IN WHEELCHAIR IS DESIGNED BY AND FIELD BUILT BY OTHERS AND SUBJECT TO LOCAL JURISDICTION APPROVAL. THE PRIMARY ENTRANCE SHALL BE A MINIMUM OF 36" CLEAR.
2. ALL DOORS SHALL BE OPENABLE FROM THE EGRESS SIDE WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE.
3. ON SURFACE BOLTS SHALL NOT BE USED.
4. ALL GLAZED DOORS, SLIDING DOORS, AND GLAZING IN DOORS SHALL BE SAFETY, EMERGENCY OR APPLIED PLASTIC SHEET.
5. ALL FLOOR JOINTS, GAPS AND WALLS TO FLOOR CONNECTIONS AND THE DOWN REPAIRS SHALL BE FINISHED.
6. STRUCTURAL TESTED AND/OR CERTIFIED TO VERIFY THE STRUCTURAL CAPACITY OF EXISTING FOUNDATION. DOCUMENTATION MUST BE ON FILE AT THE MODULAR BUILDING FACTORY.
7. PRESSURE FOR COMPONENTS AND CLADDING SHALL BE WITHIN THE DESIGN WIND SPEED PRESSURE FOR COMPONENTS AND CLADDING.
8. THIS BUILDING IS DESIGNED FOR NORTH CAROLINA CLIMATE ZONE 3A & B. PROVISIONS ARE MADE TO IDENTIFY THE RESPONSIBILITY OF THE GENERAL CONTRACTOR AND SUBJECT TO LOCAL JURISDICTION APPROVAL WHEN NOT SPECIFICALLY STATED OTHERWISE.
9. PORTABLE FIRE EXTINGUISHER PER N.F.P.A., - 10 INSTALLED BY OTHERS ON SITE, ONE IN EACH ROOM.
10. IN WIND-BORNE DEBRIS REGIONS, EXTERIOR GLAZING SHALL BE IMPACT RESISTANT TO MEET OR EXCEED THE REQUIREMENTS OF ASTM F1580-06, WIND-BORNE DEBRIS REGION AN AS APPLIED IMPACT RESISTANT STANDARD, OR ASTM E1996. WIND-BORNE DEBRIS REGIONS ARE DESIGNATED IN SECTION 16.06 OF THE NCBCB.
11. EXTERIOR GLAZING SHALL BE SUBMITTED FOR INSPECTION AND APPROVAL, BY AUTHORITY HAVING JURISDICTION.
12. FOR WIND-BORNE DEBRIS REGIONS, GLASS WINDOWS SHALL HAVE BOTTOM OF CLEAR OPENING NOT GREATER THAN 44" MEASURED FROM THE FLOOR, FOR GLAZING WITH OVERHANGS, THE BOTTOM OF THE CLEAR OPENING SHALL BE LESS THAN 44" MEASURED FROM THE FLOOR, FOR GLAZING WITHOUT OVERHANGS, THE BOTTOM OF THE CLEAR OPENING SHALL NOT BE MORE THAN 32" MEASURED FROM THE FLOOR.

[illegible]

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 ATTACHED INSTRUCTIONS FOR THE MODULAR BUILDING FOR THE MOST IMPORTANT INFORMATION CONCERNING THE INSTALLATION OF THE MODULAR BUILDING:

1. THE INTERCONNECTION BETWEEN BUILDING MODULES AT THE FLOOR AND ROOF SHALL BE PROVIDED ON THE ORDER SPECIFIC DRAWINGS (AS PART OF A PLAN SET).
2. BUILDING TOE AND ANCHORAGE REQUIREMENTS ARE AS INDICATED ON FOUNDATION PLAN.
3. INTERCONNECTIONS BETWEEN BUILDING MODULES SHALL BE PER PAGES 61.2, 62.0, 62.1, 62.2, 64.1 OF THE INSTALLATION INSTRUCTIONS.
4. MECHANICAL INTERCONNECTIONS BETWEEN BUILDING MODULES SHALL BE PER PAGES 61.2, 62.0, 62.1, 62.2, 64.1 OF THE INSTALLATION INSTRUCTIONS.
5. PLUMBING INTERCONNECTIONS BETWEEN BUILDING MODULES SHALL BE PER PAGES 61.1, 62.1, 63.1, 64.1 OF THE INSTALLATION INSTRUCTIONS.
6. FIRE BLOCKING SHALL BE PROVIDED PER SECTION 717.2 AND 1406.2.3 OF THE IBC (APPLICABLE).
7. AIR INFILTRATION AT THE MODULAR Joints SHALL BE LIMITED BY INSTALLING SEAL TAPING THE MATS UNDER THE MATS SET UP PER THE INSTRUCTIONS.
8. ELECTRICAL INTERCONNECTIONS SHALL BE PROVIDED PER THE INSTRUCTIONS.

[illegible]

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 OF CALIFORNIA. THESE ITEMS ARE NOT TO BE USED TO LIMIT THE WORK OF WORK MATERIAL THAT MAY BE REQUIRED FOR A COMPLETE INSTALLATION. ALL SITE RELATED ITEMS ARE SUBJECT TO THE CONTRACTOR'S APPROVAL. CODE COMPLIANCE MUST BE DETERMINED AT THE LOCAL LEVEL.

- 1. THE COMPLETE FOUNDATION SUPPORT AND THE DOWN SYSTEM.
- 2. RAMPS, STAIRS AND GENERAL ACCESS TO THE BUILDING.
- 3. PORTABLE FIRE EXTINGUISHERS(5).
- 4. BUILDING DRAINS, CLEANKUTS,
- 5. HOT WOOD-UP TO PLUMBING SYSTEM.
- 6. ELECTRICAL SERVICE WOOD-UP (INCLUDING FEEDERS) TO THE BUILDING.
- 7. MAIN ELECTRICAL PANEL AND SUB-FEEDERS.
- 7. CONNECTION OF ELECTRICAL CIRCUITS CROSSING OVER MODULE MATELINES(5) - (MULTI-UNITS ONLY).
- 8. STRUCTURAL AND AESTHETIC INTERCONNECTIONS BETWEEN MODULES (MULTI-UNITS ONLY).
- 9. FIRE INSPECTION
- 10. STRUCTURAL OR DRAIN PROTECTION (SEE GENERAL NOTE NO. 8)
- 11. FIRE ALARM

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

SEISMIC LOAD:

A. RISK CATEGORY IS III.
B. SEISMIC IMPORTANCE FACTOR IS 1.25
C. SEISMIC SITE CLASS IS D
D. SPECTRAL RESPONSE COEFFICIENTS:
 $S_s = 0.151$ $S_1 = 0.073$
 $S_{ds} = 0.161$ $S_{d1} = 0.117$
E. SEISMIC DESIGN CATEGORY IS B.
F. SEISMIC FORCE RESISTING SYSTEM IS A15.
G. EQUIVALENT LATERAL FORCE ANALYSIS PROCEDURE
H. RESPONSE MODIFICATION FACTOR $R = 6.5$.
I. SEISMIC RESPONSE COEFFICIENT $C_s = 0.08$
J. DESIGN RASR SHEAR $V_e = 1811.1$ KRS

FLOOD LOAD

THE MODULAR BUILDING UNITS ARE NOT DESIGNED TO BE SUBMERGED OR SUBJECT TO WAVE ACTION. IF INSTALLED IN A FLOOD PLAIN, THE MODULAR BUILDING UNITS MUST BE INSTALLED ABOVE THE MINIMUM BASE FLOOD ELEVATION DERIVED FROM APPROPRIATE FLOOD ELEVATION MAPS FOR THE BUILDING SITE OR SET ON A FOUNDATION DESIGNED FOR FLOOD LEVELS.

ROOF RAIN LOAD (IPC APPENDIX E)
1. RAIN INTENSITY: 1 - 4.3



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 STOODS, 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

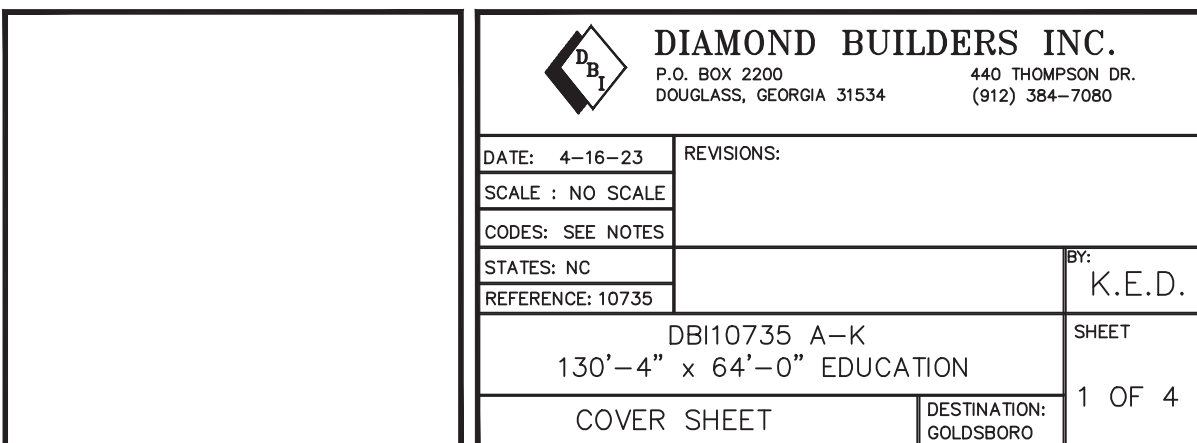
BUILDING DESIGN PARAMETERS

- | | |
|---|--------------------|
| 1. USE/OCCUPANCY: | EDUCATION |
| AGE GROUP: | 2ND THRU 4TH GRADE |
| 2. CONSTRUCTION TYPE: | VB |
| 3. SPRINKLER SYSTEM: | NO |
| 4. BUILDING AREA: | 8341 S.F. |
| 5. BUILDING HEIGHT: | 5.15 FEET |
| 6. NUMBER OF FLOORS: | 1 |
| 7. NUMBER OF MODULES: | 11 |
| 8. OCCUPANT LOAD 227 BASED ON 20 NET SF/PERSON
CLASSROOMS: 155 NET SF/PERSON IN CONFERENCE
ROOM AND 100 SF/PERSON ELSEWHERE | |
| 9. EXTERIOR WALL FIRE RATING: | NOT RATED |
| 10. THIS BUILDING MUST BE INSTALLED WITH THE
FIRE SEPARATION DISTANCES REQUIRED BY MGC 902
AND SECTION 705.3. | |
| 11. ENERGY CODE COMPLIANCE: SEE ATTACHED ENERGY
CALCULATIONS | |
| 12. MANUFACTURER'S PANEL DATA, STATE LABELS AND
ENG. LABELS MUST BE LOCATED ADJACENT TO
ELECTRICAL PANEL. | |

CODE SUMMARY:

STATE	BUILDING	ELECTRICAL	MECHANICAL	PLUMBING	ACCESSIBILITY	ENERGY CODE
N. CAROLINA	NCBC 2018 2018 NFPC	2020 N.C. ELECT. CODE	2018 NCMC	2018 NPCC	NCBC 2018 CHPT. 11 AND IBC/ANSI A117.1-2009	2018 NC ENERGY CODE

CONSULTING ENGINEER	KENNETH EARL DUNMON - 195 TOMMY HOOKS RD. - AMERICUS, GEORGIA 31709 - 229-942-2020
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ELECTRICAL SCHEDULE 'B'				
ORIG	DESCRIPTION	QUANTITY	UNIT	NOTES
1, 3	HVC	80	1/2" E.P.	#100
4, 6	RECEIPT/PLM	20	12-2 NM	
10	LIGHTING	10	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 1/2" AMP PANEL				
120/240 V 1B				

ELECTRICAL SCHEDULE 'D'				
ORIG	DESCRIPTION	QUANTITY	UNIT	NOTES
1, 3	HVC	80	1/2" E.P.	#100
4, 6	RECEIPT/PLM	20	12-2 NM	
10	LIGHTING	10	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 1/2" AMP PANEL				
120/240 V 1B				

ELECTRICAL SCHEDULE 'F'				
ORIG	DESCRIPTION	QUANTITY	UNIT	NOTES
1, 3	HVC	80	1/2" E.P.	#100
4, 6	RECEIPT/PLM	20	12-2 NM	
10	LIGHTING	10	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 1/2" AMP PANEL				
120/240 V 1B				

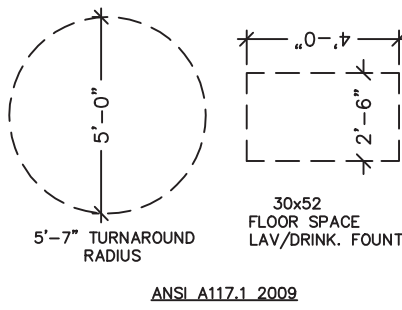
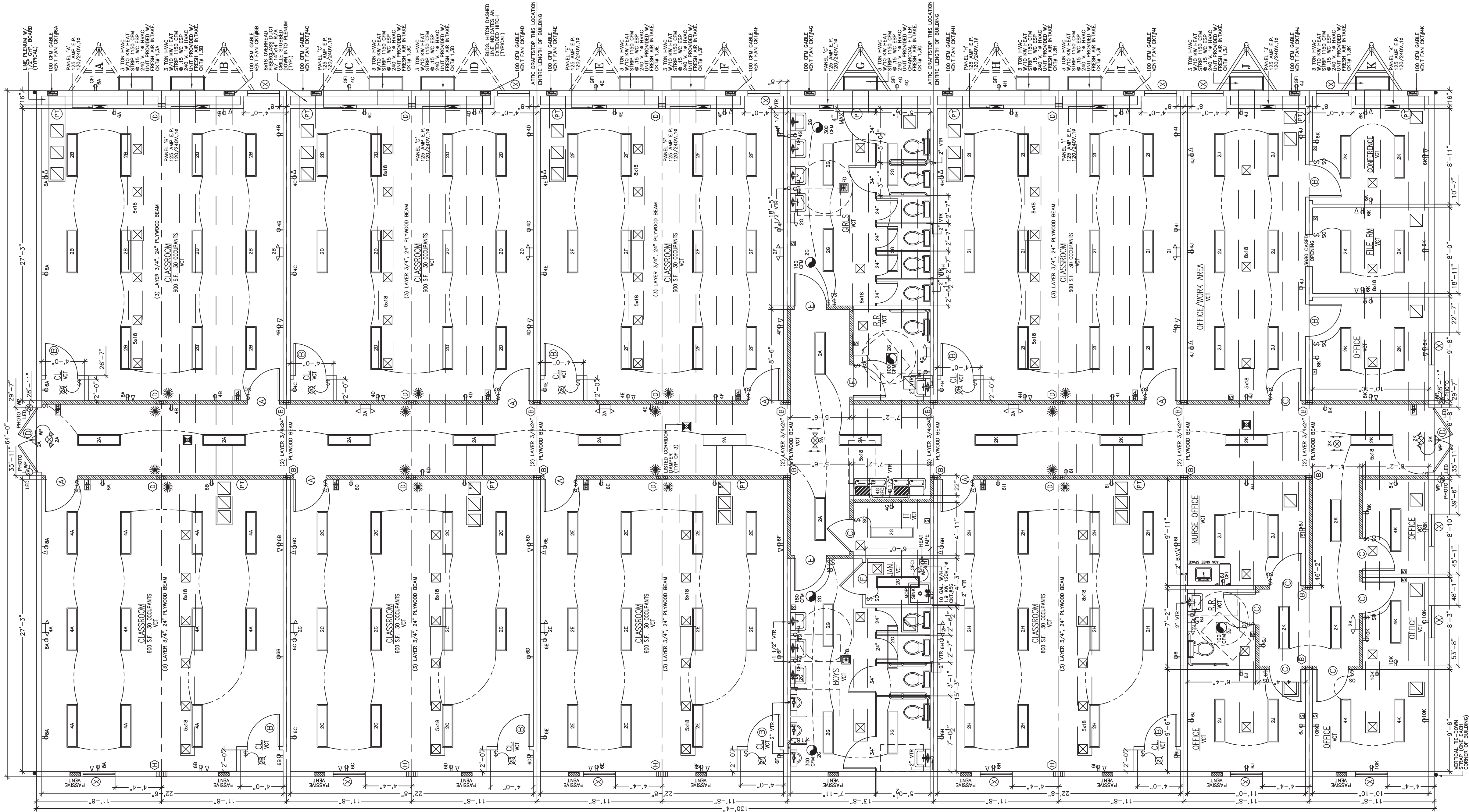
ELECTRICAL SCHEDULE 'H'				
ORIG	DESCRIPTION	QUANTITY	UNIT	NOTES
1, 3	HVC	80	1/2" E.P.	#100
4, 6	RECEIPT/PLM	20	12-2 NM	
10	LIGHTING	10	14-2 NM	
ELECTRICAL PANEL SIZING:				
DESCRIPTION: PANEL 'H' KVA				
0030 KW/72 SF X 636 SF X 1.25 = 2.4				
11 RECEPTS AT 180W/100W = 2.0				
WATER HEATER 1.9 KW X 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 1/2" AMP PANEL				
120/240 V 1B				

ELECTRICAL SCHEDULE 'J'				
ORIG	DESCRIPTION	QUANTITY	UNIT	NOTES
1, 3	HVC	80	1/2" E.P.	#100
4, 6	RECEIPT/PLM	20	12-2 NM	
10	LIGHTING	10	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 1/2" AMP PANEL				
120/240 V 1B				

ELECTRICAL SCHEDULE 'K'				
ORIG	DESCRIPTION	QUANTITY	UNIT	NOTES
1, 3	HVC	80	1/2" E.P.	#100
4, 6	RECEIPT/PLM	20	12-2 NM	
10	LIGHTING	10	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 16.2 KW				
TOTAL/240 V 1000W = 69 AMPS				
INSTALL 1/2" AMP PANEL				
120/240 V 1B				

ELECTRICAL SCHEDULE 'Y'				
ORIG	DESCRIPTION	QUANTITY	UNIT	NOTES
1, 3	HVC	80	1/2" E.P.	#100
4, 6	RECEIPT/PLM	20	12-2 NM	
10	LIGHTING	10	14-2 NM	
ELECTRICAL PANEL SIZING:				
DESCRIPTION: PANEL 'Y' 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 1/2" AMP PANEL				
120/240 V 1B				

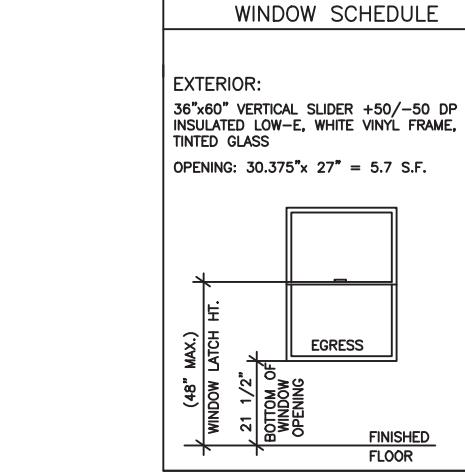
SYMBOLS	
A-B-SIDES ONLY	
1	FIRE ALARM PULL STATION
2	FIRE ALARM HORN/STROBE
3	FIRE ALARM STROBE LIGHT
4	JUNCTION BOX (NON POWERED UNLESS CIRCUIT NO. IS SHOWN)
5	SMOKE DETECTOR
6	DUPLEX RECEPTACLE 120 V.
7	SINGLE RECEPTACLE 240 V.
8	PORCH LIGHT WITH 1-13 W. BULB
9	LED PORCH LIGHT 1-13 W. BULB
10	HIGH PRESSURE SODIUM LIGHT
11	METAL HAZARD 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



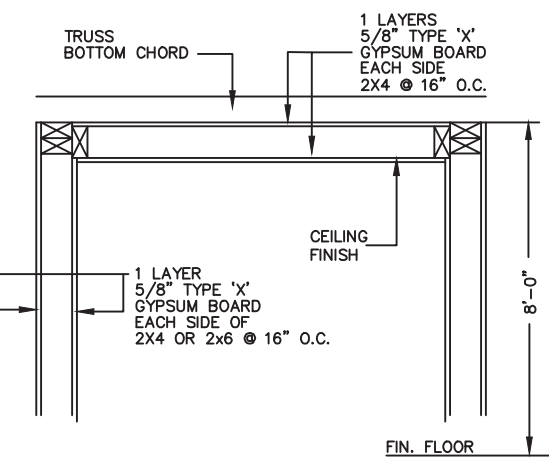
ANSI A117.1-2009

SYMBOL	DOOR SCHEDULE	TOTAL
A	36"x80" 20 MINUTE FIRE-RATED IMPERIAL OAK WITH 4"x24" VIEW BLOSS, 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	22"x60" STEEL/STEEL W/4"x24" VIEW PANEL	2
E	36"x60" 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"x80" VERTICAL SLIDE, INSULATED BRONZE/TINTED	15



- PENETRATION OF FIRE RESISTANT WALLS AND CEILING:
1. COMPARTMENTAL CURTAIN MUST COMPLY WITH THE FOLLOWING:
 - a. CURTAIN SHALL MEET TESTING REQUIREMENTS OF ASTM E119.
 - b. PART OF THE FIRE RESISTANT ASSEMBLY OF WALL AND CEILING SHALL BE TESTED AT A PRESSURE DIFFERENTIAL BETWEEN THE CURTAIN AND UNPROTECTED SPACE OF NOT LESS THAN 0.01 PSI.
 - c. CURTAIN SHALL BE TESTED AT A PRESSURE DIFFERENTIAL BETWEEN THE CURTAIN AND UNPROTECTED SPACE OF NOT LESS THAN 0.01 PSI.
 - d. CURTAIN SHALL BE TESTED AT A PRESSURE DIFFERENTIAL BETWEEN THE CURTAIN AND UNPROTECTED SPACE OF NOT LESS THAN 0.01 PSI.
 2. CURTAIN SHALL MEET TESTING REQUIREMENTS OF ASTM E119.
 3. CURTAIN SHALL MEET TESTING REQUIREMENTS OF ASTM E119.
 4. ALL CEILING FIXTURES SHALL BE SURFACE MOUNTED.
 5. DUCTS PENETRATING FIRE RESISTANT WALLS SHALL HAVE AN ACCESSIBLE LISTED FIRE SHUTTER LOCATED AT THE CEILING LINE.
 6. ALL FIRE RATED DOORS SHALL HAVE LISTED DOOR, FRAME, AND HARDWARE.
 7. CORRIDOR CHAMBERS MUST BE FIRE AND SMOKE CHAMBERS IN ACCORDANCE WITH SECTION 717.5.6.1 FOR ALL LOCATIONS THAT ADJUT.
 8. ALL PENETRATIONS ON 1 HOUR RATED CORRIDOR WALLS AND CEILING SHALL BE FIRE COVERED WITH METACALK 1000 OR EQUAL.
 9. ALL WALL TO WALL AND WALL TO CEILING JOINTS IN THE 1 HOUR RATED CORRIDOR WALLS AND CEILING SHALL BE FIRE COVERED WITH METACALK 1000 OR EQUAL.
- NOTE:
 - a. FLOOR PANELS IS 20 MIN. RATED DOORS MUST COMPLY WITH THE FOLLOWING REQUIREMENTS:
 - b. THE GLAZING MUST BE SAFETY GLAZED.
 - c. THE GLAZING MUST BE 20 MINUTE RATED.
 - d. THE BOTTOM OF THE GLAZED PANEL MUST BE A MAXIMUM OF 43 INCHES ABOVE FINISHED FLOOR.



ONE HOUR CONSTRUCTION



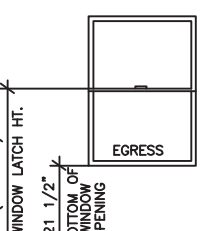
CONSULTING ENGINEER KENNETH EARL DUNNOM — 195 TOMMY HOOKS RD. — AMERICUS, GEORGIA 31709 — 229-942-2020

DIAMOND BUILDERS INC.
P.O. BOX 2200 DOUGLASS, GEORGIA 31534 440 THOMPSON DR. (912) 384-7080

DATE: 4-16-23	REVISIONS:
SCALE: 3/16"=1'-0"	
CODES: SEE NOTES	
STATES: NC	
REFERENCE: 10735	
DB10735 A-K	
130'-4" x 64'-0" EDUCATION	
FLOOR PLAN	DESTINATION: GOLDSBORO
SHEET	2 OF 4

K.E.D.



WINDOW SCHEDULE	
EXTERIOR: 36"x60" VERTICAL SLIDER w/50/-50 DP INSULATED LOW-E WHITE VINYL FRAME, TINTED GLASS OPENING: 30.375" x 27" = 5.7 S.F.	
	
NOTE: EACH EXIT 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: OCCUPANT LOAD: 257 BASED ON 20 NET SF/PERSON IN CLASSROOMS, 15 NET SF/PERSON IN CONFERENCE ROOM AND 100 SF/PERSON ELSEWHERE	
NOTE: EACH EXIT 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

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 Panic 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. P.O. BOX 2200 DOUGLASS, GEORGIA 31034 440 THOMPSON DR. (912) 384-7080	
DATE: 4-16-23 SCALE: 3/16"=1'-0" CODES: SEE NOTES STATES: NC REFERENCE: 10735	REVISIONS: BY: K.E.D. SHEET 3 OF 4 DESTINATION: GOLDSBORO
DBI10735 A-K 130'-4" x 64'-0" EDUCATION LIFE SAFETY	

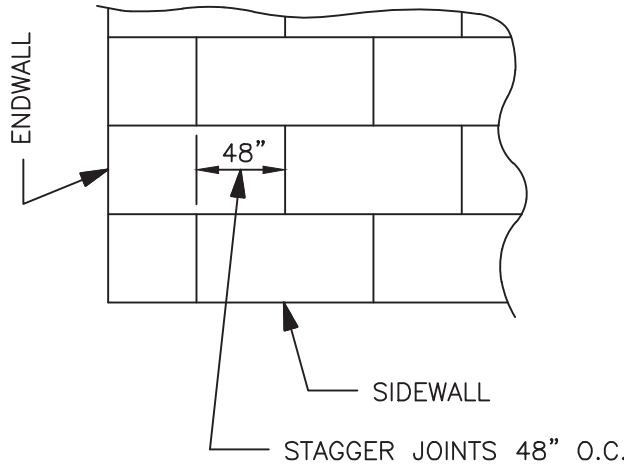
INTERIOR FINISH MATERIAL:

- 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.

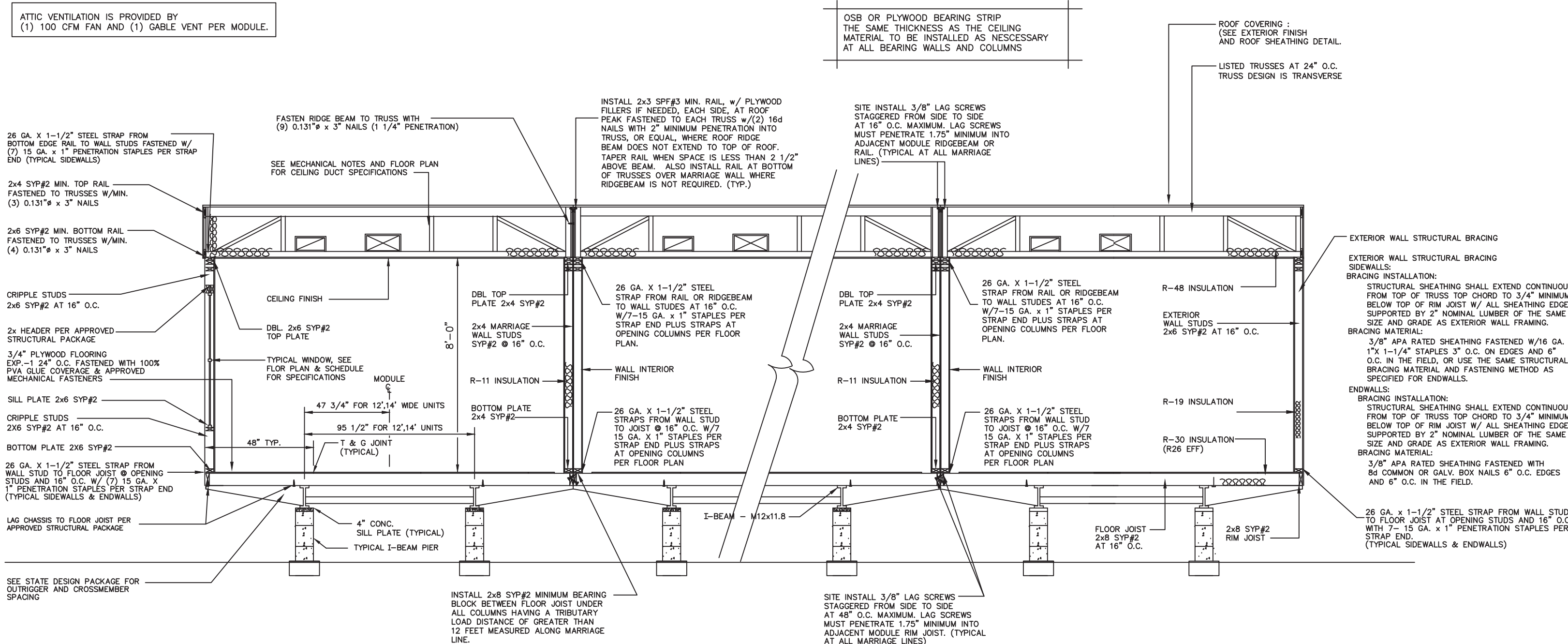


ROOF SHEATHING TO BE FASTENED TO TRUSSES W/0.099"Ø x 2" NAILS AT 6" O.C. ON EDGES & 6" O.C. IN THE FIELD ON ALL ZONES

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_{UB} = 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.



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		DATE: 4-16-23	
		REVISIONS:	
		SCALE : NO SCALE	
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		STATES: NC	
REFERENCE: 10735		BY: K.E.D.	
DB10735 A-K		SHEET	
130'-4" x 64'-0" EDUCATION		4 OF 4	
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