OTHER STATES STRUCTURAL LOAD LIMITATIONS:

FLOOR LIVE LOAD:
A. 40 PSF
B. 1000# CONCENTRATED LOAD OVER 30 INCH X 30 INCH AREA LOCATED ANYWHERE ON FLOOR.

ROOF LIVE LOAD:
A. 30 PSF.

ROOF SNOW LOAD:
A. GROUND SNOW LOAD: Pg = 35 PSF
B. FLAT-ROOF SNOW LOAD: Pf = 26.9 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 = Pf X Ce
H. DESIGN IS BASED ON FULL OR PARTIALLY EXPOSED ROOF PER ASCE 7-10.

WIND LOAD:
A. ULTIMATE WIND SPEED (3-SEC GUST): Vult = 150 MPH
B. NOMINAL WIND SPEED (3-SEC GUST): Vasd = 116 MPH
C. RISK CATEGORY: II
D. WIND EXPOSURE CATEGORY: EXP. = C
E. INTERNAL PRESSURE COEFFICIENT: GCpi = 0.18
F. COMPONENT & CLADDING ULTIMATE DESIGN PRESSURES (NOMINAL DESIGN PRESSURE) FOR ROOF ANGLES 0 TO 7 DEGREES:
WALL ZONE 5: Pult = +/-29.5 PSF (Pasd = +/-29.5 PSF)
WALL ZONE 4: Pult = +/-24.0 PSF (Pasd = +/-24.0 PSF)
ROOF ZONE 3: Pult = -55.8 PSF (Pasd = -52.0 PSF)
ROOF ZONE 2: Pult = -37.0 PSF (Pasd = -34.1 PSF)
ROOF ZONE 1: Pult = -22.1 PSF (Pasd = -20.2 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. RISC CATEGORY IS II.
B. SEISMIC IMPORTANCE FACTOR IS 1.0
C. SEISMIC SITE CLASS IS D.
D. SPECTRAL RESPONSE COEFFICIENTS:
Ss = 0.537 S1 = 0.225
Sds = 0.49 Sd1 = 0.19
E. SEISMIC DESIGN CATEGORY IS C.
F. SEISMIC FORCE RESISTING SYSTEM IS A15.
G. EQUIVALENT LATERAL FORCE ANALYSIS PROCEDURE
H. RESPONSE MODIFICATION FACTOR R = 6.5.
I. SEISMIC RESPONSE COEFFICIENT Cs = 0.08
J. DESIGN BASE SHEAR V = 1953 LBS

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

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 CONNECTIONS AND 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 4a
8. PROVISIONS FOR EXIT 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, CERTIFIED FOR CERTIFIED 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 IBC AND NCBC.

PLUMBING NOTES:

1. SECTION 403 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

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. 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 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 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 W/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 MATING LINE(S) 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. THE RECEPT ITSELF SHALL ALSO BE LISTED FOR DAMP AND WET LOCATIONS AS PER NEC.
9. EXTERIOR LIGHTS NOT INTENDED FOR 24 HOUR USE SHALL BE CONNECTED TO A PHOTOCELL OR TIMER.
10. OCCUPANCY SENSOR SWITCHES SHALL PROVIDE A BI-LEVEL LIGHTING CONTROL TO PROVIDE EITHER CONTINUOUS DIMMING, OR AT LEAST ONE INTERMEDIATE STEP IN LIGHTING POWER BETWEEN 30% & 70% OF FULL POWER IN ADDITION TO FULL ON AND FULL OFF.
11. 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.
12. 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).
13. TAMPER RESISTANT RECEPTS TO BE PROVIDED IN EDUCATION BUILDING SERVING ELEMENTARY, PRE-SCHOOL AND YOUNGER.

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 UNRATED DOORS)
3. HVAC EQUIPMENT SHALL BE EQUIPPED W/OUTSIDE FRESH AIR INTAKES PROVIDING 5 CFM PER PERSON & 0.06 CFM PER S.F. BLDG. AREA PER SECTION 403.3 OF IMC, NCMC.
4. VENT FANS SHALL BE DUCTED TO THE EXTERIOR AND TERMINATE AT AN APPROVED VENT CAP.
5. EXHAUST FANS SHALL VENT NO CLOSER THAN 10 FEET FROM MECHANICAL AIR INTAKE.
6. THERMOSTAT MUST BE PROGRAMMABLE
7. HEATING SYSTEM CONTROLS MUST BE CAPABLE TO 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.

WINDOW & DOOR SPECIFICATIONS

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.

MARYLAND NOTES:

1. REFER TO STATE PACKAGE PAGE NO. 0.34.0 FOR REQUIRED DUCT PROTECTION AT CONNECTION TO HVAC UNIT.
2. THE FOLLOWING NOTE SHALL BE ON THE BLDG. DATA PLATE: THIS BUILDING HAS NOT BEEN DESIGNED FOR AND IS NOT APPROVED FOR INSTALLATION IN THE FOLLOWING MARYLAND COUNTIES:
GARRETT, ALLEGANY, WASHINGTON, CARROLL
3. HVAC SYSTEM SHALL COMPLY WITH NFPA 90B WHEN BUILDING VOLUME DOES NOT EXCEED 25,000 CUBIC FEET, OTHERWISE HVAC SYSTEM SHALL COMPLY WITH NFPA 90A.
4. THESE PLANS ARE PREPARED TO FACILITATE CONSTRUCTION OF THE PRE-ENGINEERED FACTORY BUILT MODULAR BUILDING, AND THEY INCLUDE MINIMUM ON-SITE SUPPORT AND TIE DOWN REQUIREMENTS FOR THE MODULAR BUILDING. THE PROJECT ARCHITECT OF RECORD IS RESPONSIBLE FOR INCORPORATION AND COORDINATION OF THESE PLANS INTO THE OVERALL PROJECT DESIGN.
5. TO LOCAL BUILDER AND/OR SITE DEVELOPER: ALL SITE WORK INCLUDING THE LOCATION OF THE BUILDING, IS REQUIRED TO BE REVIEWED AND APPROVED BY A MD. REG. ARCH. OR ENG. TO VERIFY CODE COMPLIANCE INCLUDING BUT NOT LIMITED TO FIRE RESISTANCE RATINGS FOR EXTERIOR PROTECTION, MEANS OF EGRESS, HEIGHT AND AREA LIMITATIONS, OTHER PERTINENT SITE RELATED MATTERS. DOCUMENTS RELATED TO SITE WORK, INCLUDING SITE AND DEVELOPMENT DRAWINGS, SHALL BE SUBMITTED TO THE LOCAL GOVERNMENT AGENCY FOR REVIEW AND APPROVAL.
6. INSTALL STATE INSIGNIA AND BUILDING DATA PLATE IN THE VICINITY OF ELECTRICAL DISTRIBUTION PANEL OR OTHER LOCATION THAT IS READILY ACCESSIBLE FOR INSPECTION, BUT NOT ON ANY READILY REMOVABLE FEATURE.
7. WHEN THE 2018 IECC IS THE APPLICABLE ENERGY CODE. SUPPLY AND RETURN AIR DUCTS AND PLENUMS SHALL BE INSULATED WITH A MINIMUM OF R-8 INSULATION WHERE LOCATED IN UNCONDITIONED SPACES AND WHERE LOCATED OUTSIDE THE BUILDING WITH A MINIMUM OF R-8 INSULATION IN CLIMATE ZONES 1 THRU 4 AND A MINIMUM OF R-12 INSUL. IN CLIMATE ZONE 5. WHEN LOCATED WITHIN A BUILDING ENVELOPE ASSEMBLY, THE DUCT OR PLENUM SHALL BE SEPARATED FROM THE BUILDING EXTERIOR OR UNCONDITIONED OR EXEMPT SPACES BY A MINIMUM OF R-8 INSULATION IN CLIMATE ZONES 1 THRU 4 AND A MINIMUM OF R-12 INSULATION IN CLIMATE ZONE 5.

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. INACCESSIBLE ENTRANCES SHALL HAVE 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 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 (I.E. TOUCH LATCHES, U-SHAPED PULLS); SPACES SHALL BE 15 INCHES MINIMUM AND 48 INCHES MAXIMUM ABOVE THE FLOOR FOR FORWARD REACH OR 30IE REACH; CLOTHES RODS OR COAT HOOKS SHALL BE A MAXIMUM OF 48 INCHES ABOVE THE FLOOR (48 INCHES MAXIMUM WHEN DISTANCE FROM WHEEL CHAIR TO ROD EXCEEDS 10 INCHES). SHELVES IN KITCHENS OR TOILET ROOMS SHALL BE 40 INCHES MINIMUM AND 48 INCHES MAXIMUM ABOVE IN FLOOR.
4. CONTROLS, DISPENSERS, RECEPTACLES AND OTHER OPERABLE EQUIPMENT SHALL BE NO HIGHER THAN 48 INCHES ABOVE THE FLOOR. RECEPTACLES ON WALLS SHALL BE MOUNTED NO LESS THAN 18 INCHES ABOVE THE FLOOR. EXCEPTIONS 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 RESTROOM, 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 MINIMUM. 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 BET-WEEN 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. GRATINGS IN FLOOR SHALL HAVE SPACES NO GREATER THAN 0.5 INCH WIDE IN ONE DIRECTION. DOORWAY THRESHOLDS SHALL NOT EXCEED 0.5 INCH IN HEIGHT.
8. DOORS TO ALL ACCESSIBLE SPACES SHALL HAVE ACCESSIBLE HARDWARE (I.E. LEVER - OPERATED, PUSHTYPE, U-SHAPED) MOUNTED WITH OPERABLE PARTS BETWEEN 34 INCHES MINIMUM AND 48 INCHES MAXIMUM ABOVE THE FLOOR.

DRAWING INDEX

LIMITATIONS OF APPROVAL N.J.

1. THE APPROVAL OF THE PLAN UNDER THE INDUSTRIALIZED BUILDING COMMISSION PROGRAM IS PART OF THE MANUFACTURERS BUILDING SYSTEM APPROVAL.
2. A PLAN FOR EACH SPECIFIC LOCATION MAY NEED TO BE SUBMITTED TO THE LOCAL AUTHORITY HAVING JURISDICTION, AS MAY BE REQUIRED FOR PERMITTING PURPOSES. THE PERMIT SET MAY NEED TO INCLUDE A FOUNDATION PLAN FOR THE SPECIFIC BUILDING SITE, SIGNED AND SEALED BY A N.J. LICENSED ENGINEER OR ARCHITECT, IN ACCORDANCE WITH THE STATE AND LOCAL REQUIREMENTS.

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 IM2 AND IM5 OF THE INSTALLATION INSTRUCTIONS (IF APPLICABLE).
4. MECHANICAL INTERCONNECTIONS BETWEEN BUILDING MODULES SHALL BE PER PAGES IM4 AND IM7 OF THE INSTALLATION INSTRUCTIONS (IF APPLICABLE).
5. PLUMBING INTERCONNECTIONS BETWEEN BUILDING MODULES SHALL BE PER PAGES IM2 AND IM5 OF THE INSTALLATION INSTRUCTIONS (IF APPLICABLE).
6. FIRE BLOCKING 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 SILL TAPE ALONG THE MATE LINES DURING SET UP AND/OR BY INSTALLING CONTINUOUS SHEATHING ACROSS THE MATE LINE JOINTS AFTER SET UP.

MARYLAND, N.J. STRUCTURAL LOAD LIMITATIONS:

BUILDING RISK CATEGORY II

FLOOR DEAD AND LIVE LOAD:
A. DEAD LOAD = 12 PSF (AVERAGE).
B. UNIFORM LIVE LOAD = 40 PSF
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 = 30 PSF.

ROOF SNOW LOAD:
A. GROUND SNOW LOAD: Pg = 35 PSF
B. FLAT-ROOF SNOW LOAD: Pf = 26.9 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 = Pf X Cs
H. DESIGN IS BASED ON FULL OR PARTIALLY EXPOSED ROOF PER ASCE 7-16.

WIND LOAD:
A. BASIC WIND SPEED (3-SEC GUST): V = 150 MPH
B. ASD WIND SPEED (3-SEC GUST): Vasd = 116 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 ANGLES 0 TO 7 DEGREES:
WALL ZONE 5: P = +/-49.2 PSF (Pasd = +/-29.5 PSF)
WALL ZONE 4: P = +/-39.9 PSF (Pasd = +/-24.0 PSF)
ROOF ZONE 3: P = -105.4 PSF (Pasd = -63.2 PSF)
ROOF ZONE 2: P = -77.3 PSF (Pasd = -46.4 PSF)
ROOF ZONE 1: P = -58.6 PSF (Pasd = -35.1 PSF)
ROOF ZONE 1': P = -33.6 PSF (Pasd = -20.2 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. RISC CATEGORY IS II.
B. SEISMIC IMPORTANCE FACTOR IS 1.0
C. SEISMIC SITE CLASS IS D.
D. SPECTRAL RESPONSE COEFFICIENTS:
Ss = 0.537 S1 = 0.225
Sds = 0.49 Sd1 = 0.19
E. SEISMIC DESIGN CATEGORY IS C.
F. SEISMIC FORCE RESISTING SYSTEM IS A15.
G. EQUIVALENT LATERAL FORCE ANALYSIS PROCEDURE
H. RESPONSE MODIFICATION FACTOR R = 6.5.
I. SEISMIC RESPONSE COEFFICIENT Cs = 0.08
J. DESIGN BASE SHEAR V = 1953 LBS

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

ROOF RAIN LOAD (IPC APPENDIX B):
A. RAIN INTENSITY: I = 4.3 INCHES/HOUR

BUILDING DESIGN PARAMETERS

1. USE/OCCUPANCY: EDUCATION
2. CONSTRUCTION TYPE: VB
3. SPRINKLER SYSTEM: ● NO
4. BUILDING AREA: 840 S.F.
5. BUILDING HEIGHT: ≤ 15 FEET
6. NUMBER OF STORIES: 1
7. NUMBER OF MODULES: 2
8. OCCUPANT LOAD 42 BASED ON 20 NET SF/PERSON
9. EXTERIOR WALL FIRE RATING: NOT RATED
10. THIS BUILDING MUST BE INSTALLED WITH THE FIRE SEPARATION DISTANCES REQUIRED BY IBC & NCBC 602 AND SECTION 705.3
11. ENGERGY CODE COMPLIANCE: SEE ATTACHED ENERGY CALCULATIONS.
12. MANUFACTURERS DATA PLATE, STATE LABELS AND EMC LABELS ARE TO BE LOCATED ADJACENT TO ELECTRICAL PANEL.

● IN MARYLAND BUILDING MUST BE INSTALLED 30 FEET MIN. FROM ADJACENT BUILDINGS (PER 2018 NFPA 101 14.3.5.2(3)).

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 TIE DOWN SYSTEM.
2. RAMPS, STAIRS AND GENERAL ACCESS TO THE BUILDING.
3. PORTABLE FIRE EXTINGUISHER(S).
4. BUILDING DRAINS, CLEANOUTS, DRINKING FOUNTAIN, HOOK-UP TO PLUMBING SYSTEM.
5. ELECTRICAL SERVICE HOOK-UP (INCLUDING FEEDERS) TO THE BUILDING.
6. GLAZING OPENING PROTECTION-SEE GENERAL NOTE 10
7. GUTTER AND DOWN SPOUTS.
8. PORTABLE FIRE EXTINGUISHER
9. EXIT DISCHARGE LIGHTING (INCLUDING EMERGENCY)
10. FIRE ALARM

EMC

R. JOHNSON
APPROVED
03 17 2020

CODE SUMMARY:

STATE	BUILDING	ELECTRICAL	MECHANICAL	PLUMBING	ACCESSIBILITY	ENERGY CODE
NEW JERSEY	2018 IBC W/ N.J. AMENDS	2017 NEC W/N.J. AMENDS	2018 IMC N.J. AMENDS	2018 NATL. STD PC (NSPC) W/ N.J. AMENDS	ANSI A117.1-2009 CHPT. 11 OF 2018 IBC & NJAC 5:23-7	2016 ASHRAE 90.1 W/N.J. AMENDS
VIRGINIA	2015 VA. UNIFORM STATEWIDE BLDG. CD. 2015 IBC 2015 VA. STATEWDE FIRE PREVENTION CODE 2015 IFC W/VA. AMENDS	2014 NEC	2015 IMC.	2015 IPC	ICC/ANSI A117.1-2009	2015 IECC
N. CAROLINA	NCBC 2018 2018 NCFC	2017 N.C. ELECT. CODE	2018 NCMC	2018 NCPC	NCBC 2018 CHPT. 11 AND ICC/ANSI A117.1-2009	2018 NC ENERGY CODE
MARYLAND	2018 IBC W/ MD. AMENDMENTS 2018 NFPA 1 AND NFPA 101 WITH MD. AMENDMENTS	2017 NEC W/MD. AMEND.	2018 IMC. MD. AMEND.	2018 IPC W/ MD. AMEND.	2010 ADA 2012 MARYLAND ACCESS. CODE	2018 IECC W/MD. AMEND.

MARYLAND SERIAL NO.:
8682A,8682B-8683A, 8683B-8684A, 8684B-8685A, 8685B-8686A, 8686B-8687A, 8687B-8688A, 8688B-8689A, 8689B-8690A,8690B-8691A, 8691B-8692A, 8692B-8693A, 8693B-8694A, 8694B-8695A, 8695B-8696A, 8696B-8697A, 8697B

CONSULTING ENGINEER	KENNETH EARL DUNMON — P.O. BOX 6853 — AMERICUS, GEORGIA 31719 — 229-942-2020

NEW JERSEY

CONSULTING ARCHITECT
ROBERT E. GREGG R.A. LIC. #15414
1867 DR. #19 NORTH-SUITE 120
CLEARWATER, FL 33764 (727) 644-8193

STATE OF NEW JERSEY — ROBERT E. GREGG — 15414 — REGISTERED ARCHITECT — 3-16-20

COMMONWEALTH OF VIRGINIA — KENNETH EARL DUNMON — Lic. No. 0402018587 — 3-16-20 — PROFESSIONAL ENGINEER

NORTH CAROLINA — PROFESSIONAL — SEAL 017400 — 3-16-20 — ENGINEER — KENNETH E. DUNMON

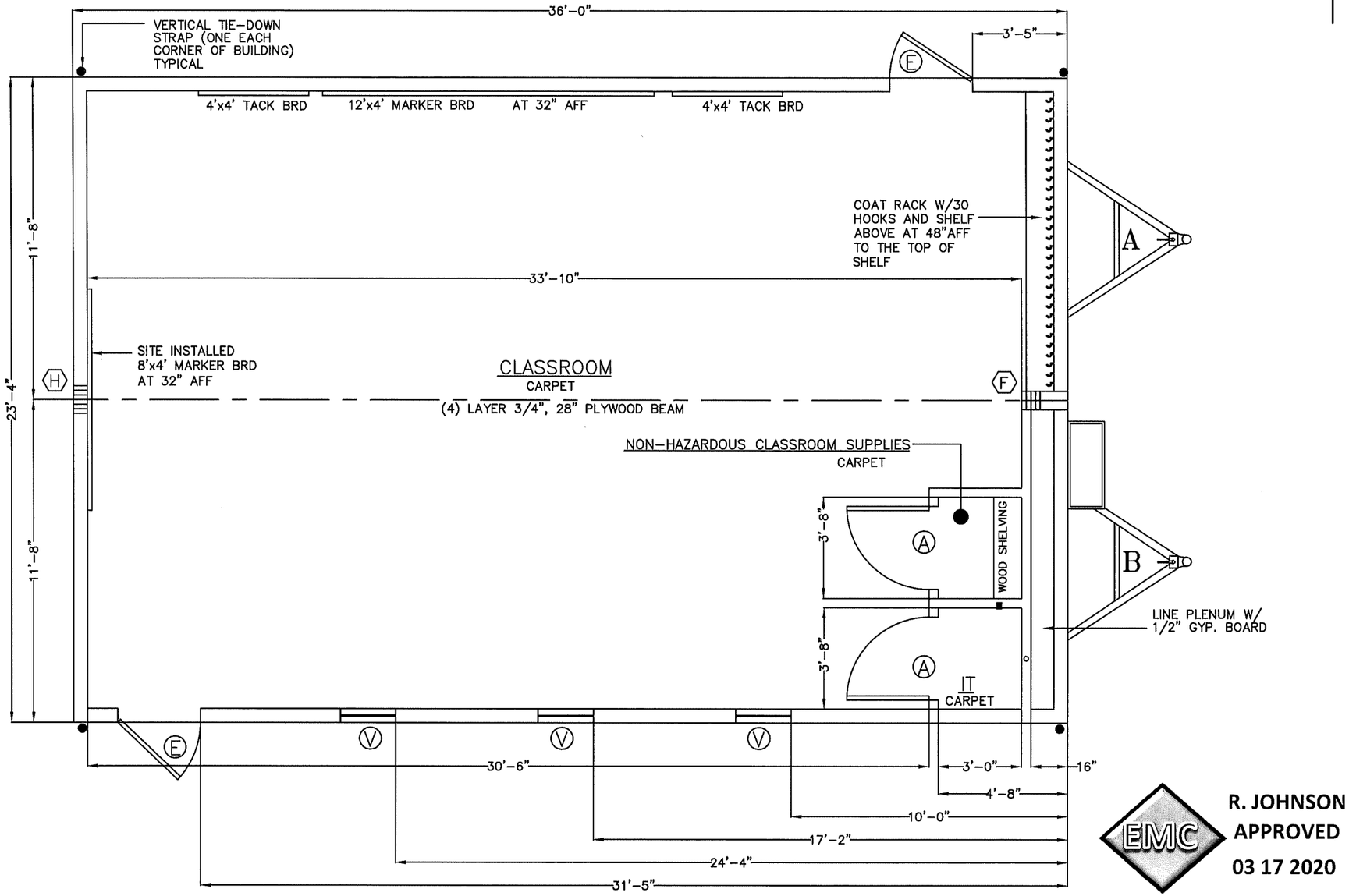
STATE OF MARYLAND — KENNETH EARL DUNMON — 41066 — PROFESSIONAL ENGINEER — 3-16-20

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

DATE: 3-6-20	REVISIONS:	BY: K.E.D.
SCALE : NO SCALE		
CODES: SEE NOTES		BY: R.E.G.
STATES: MD, VA, NC, NJ		
MD. PLAN NO: DBI-8682 MD		
DBI8682-97 A/B 23'-4" x 36'-0" EDUCATION		SHEET 1 OF 6
COVER SHEET	DESTINATION: BALTIMORE CO, MD.	

SYMBOLE	DOOR SCHEDULE	TOTAL
A	36"X80" HOLLOW CORE IMPERIAL OAK W/REDIFRAME	2
E	36"X80" STEEL/STEEL W/4X24" VIEW BLOCK	2

SYMBOLE	WINDOW SCHEDULE	TOTAL
V	24"X54" VERTICAL SLIDE, INSULATED BRONZE/TINTED	3



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03 17 2020

COLUMN STRAPPING SCHEDULE:

(A) (2) 2x4 SPF #2 THIS HALF. (B) (2) 2x4 SPF #2 EACH HALF
(C) (3) 2x4 SPF #2 THIS HALF. (D) (3) 2x4 SPF #2 EACH HALF.
(E) (4) 2x4 SPF #2 THIS HALF. (F) (4) 2x4 SPF #2 EACH HALF.
(G) (5) 2x4 SPF #2 THIS HALF. (H) (2) 2x6 SPF #2 EACH HALF.
✹ WITH RIDGE BEAM BEARING STIFFENER

NOTES:
1. ALL COLUMN STUDS SHALL BE GLUE/NAILED TOGETHER. PVA GLUE WITH 100% COVERAGE SHALL BE USED.
2. INSTALL TWO STEEL STRAPS AT EACH STUD OF EACH COLUMN.
3. COLUMN STUDS SHALL NOT BE NOTCHED OR BORED.

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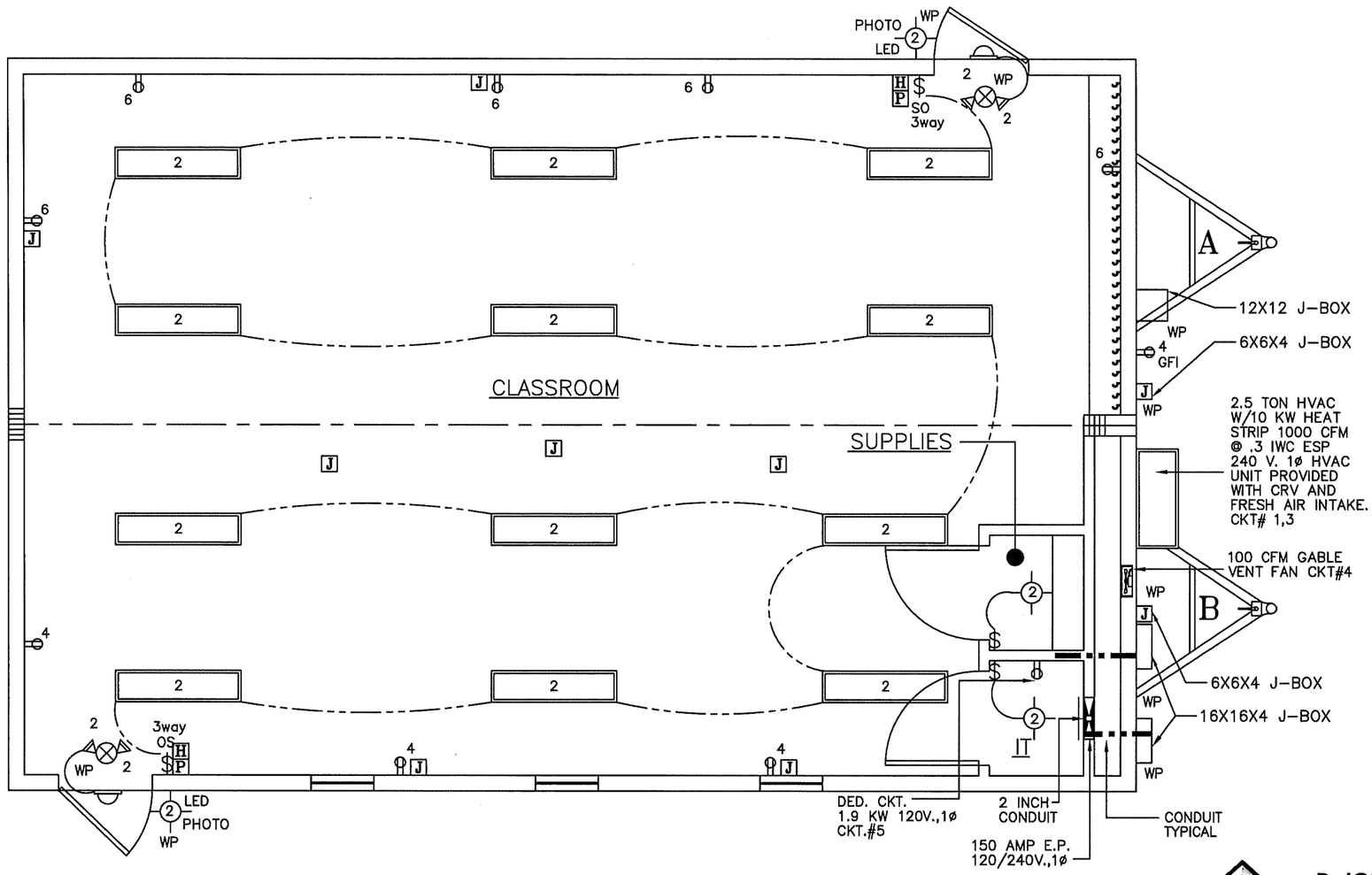
DIAMOND BUILDERS INC.
P.O. BOX 2200, DOUGLASS, GEORGIA 31534
440 THOMPSON DR. (912) 384-7080

DATE: 3-6-20	REVISIONS:	BY: K.E.D.
SCALE : 1/4"=1'-0"		
CODES: SEE NOTES		BY: R.E.G.
STATES: MD, VA, NC, NJ		
MD. PLAN NO: DBI-8682 MD		
DBI8682-97 A/B 23'-4" x 36'-0" EDUCATION		SHEET 2 OF 6
FLOOR PLAN	DESTINATION: BALTIMORE CO, MD.	

SYMBOLS

J–BOXES ONLY

- P — FIRE ALARM PULL STATION 44" AFF
- H — FIRE ALARM HORN/STROBE 80" AFF
- S — FIRE ALARM STROBE LIGHT 80" AFF
- JUNCTION BOX (NON POWERED UNLESS CIRCUIT NO. IS SHOWN)
- CLG. MT. J–BOX
- SD — SMOKE DETECTOR
- DUPLEX RECEPTACLE 120 V.
- SINGLE RECEPTACLE 240 V.
- LED CAN LIGHT WITH 1– 60 W. BULB
- LED PORCH LIGHT LIGHT 1–60 W. BULB
- CLG. MT. POWERED J–BOX
- VENT FAN
- COMB. VENT FAN & LIGHT
- SUPPLY AIR REGISTER
- RETURN AIR REGISTER
- FLOOD LIGHT 2–150W BULBS
- T — THERMOSTAT
- LED LIGHT FIXTURE WITH 2–22W TUBES
- EXIT/EMERGENCY COMBO W/REMOTE HEAD W/BATTERY BACKUP
- EXIT — EXIT/EMERGENCY COMBO W/BATTERY BACKUP
- EXIT SIGN W/BATTERY BACKUP
- EMERGENCY LIGHT WITH BATTERY BACKUP
- TELEPHONE JACK
- $ $3 — SWITCH & 3 WAY SWITCH
- OS $ — OCCUPANCY SENSOR SWITCH
- F.E. — FIRE EXTINGUISHER



ELECTRICAL SCHEDULE

CIRCUIT	NOMENCLATURE	BREAKER (AMPS)	WIRE (CU.)
1, 3	HVAC	60A(2P)	6–2 #10 GRND.
5	DED. CKT. 1.9KW 120V.,1ø	20 A(1P)	12–2 NM
4, 6	RECEPTACLES/FAN	20 A	12–2 NM
2	LIGHTING/FAN	15 A	14–2 NM

ELECTRICAL PANEL SIZING:

DESCRIPTION	KVA
GENERAL LIGHTING .0030 KW/SF X 840 SF X 1.25=	3.2
9 RECEPTS AT 180VA/1000=	1.6
DED. CKT. 1.9 KW x 1.25=	2.4
1 FAN(S) AT .3 KW X 1.25=	.4
HVAC	10.3

TOTAL 17.9 KW
TOTAL/240 X 1000= 75 AMPS
INSTALL 150 AMP PANEL
120/240 V 1ø

R. JOHNSON
APPROVED
03 17 2020

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DBI8682–97 A/B 23'–4" x 36'–0" EDUCATION		SHEET 3 OF 6
ELECTRICAL	DESTINATION: BALTIMORE CO, MD.	

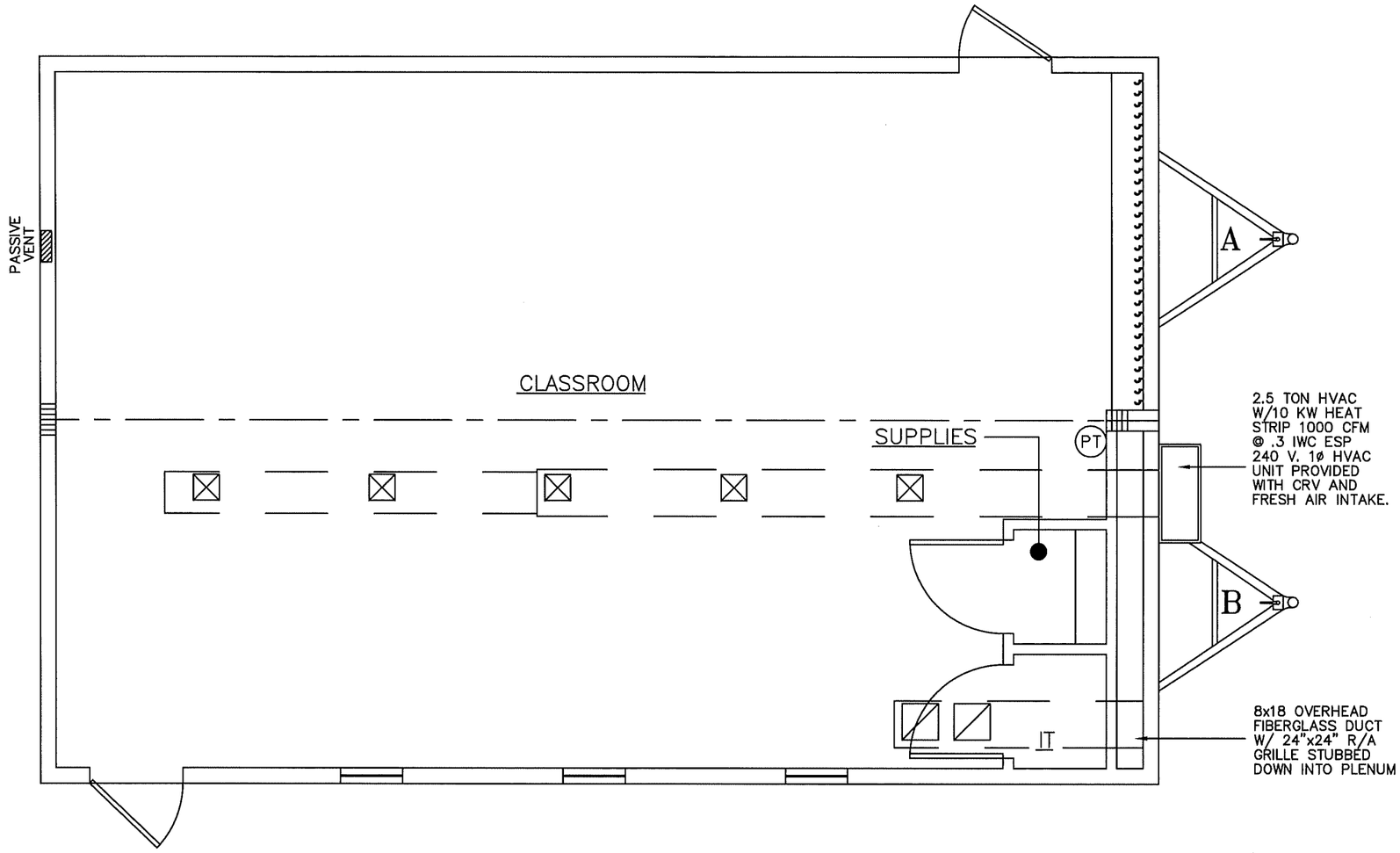
LEGEND

- 14"x14" RETURN AIR GRILLE
- 14"x14" SUPPLY AIR GRILLE
- COMB. VENT FAN AND LIGHT
- (T) THERMOSTAT PROGRAMMABLE

NOTES:

FLEX DUCT FOR SUPPLY IS 8" AND FLEX DUCT FOR RETURN IS 10"

SEE ATTACHED BARD SPECIFICATIONS FOR ALL REQUIRMENTS AND INFORMATION REGUARDING HVAC INSTALLATION AND OPERATING PROCEDURES



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APPROVED
03 17 2020

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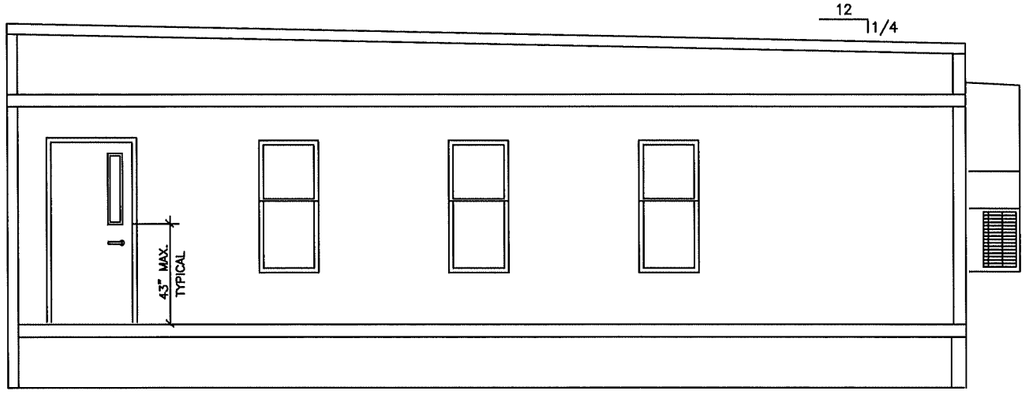
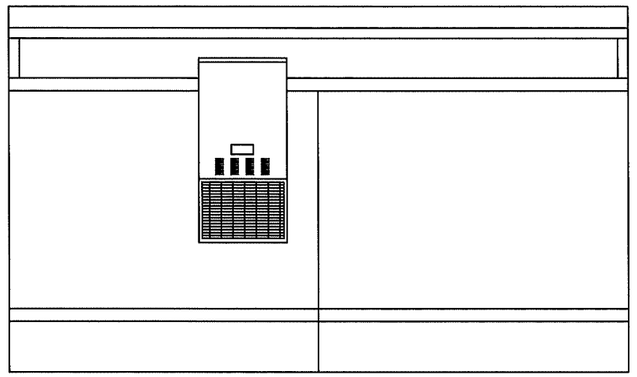
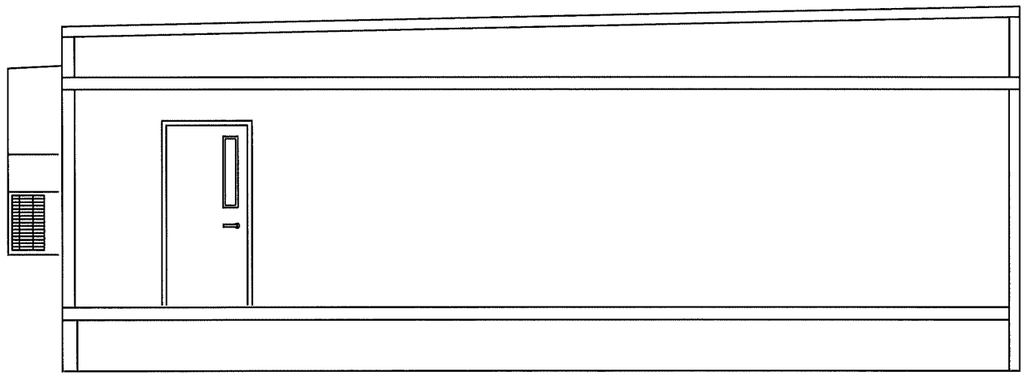
DBI8682-97 A/B 23'-4" x 36'-0" EDUCATION		SHEET 4 OF 6
MECHANICAL	DESTINATION: BALTIMORE CO, MD.	



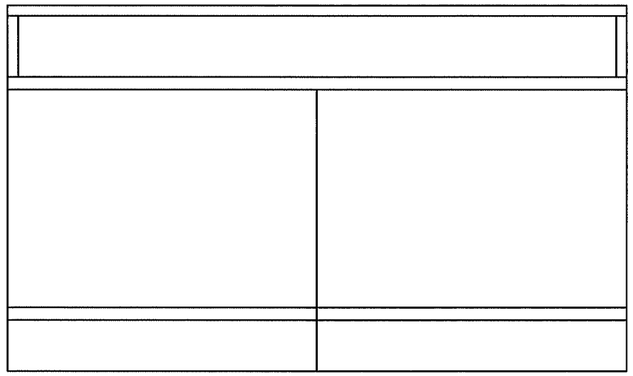
REAR ELEVATION



RIGHT ELEVATION



FRONT ELEVATION



LEFT ELEVATION

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03 17 2020

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.

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DBI8682–97 A/B 23'–4" x 36'–0" EDUCATION		SHEET 5 OF 6
ELEVATIONS	DESTINATION: BALTIMORE CO, MD.	

INTERIOR FINISH MATERIAL:

CEILING – 1/2" GYPSUM CEILING BOARD INSTALLED PER MANUFACTURERS SPECIFICATION (SEASPRAY FINISH)

WALL – 1/2" GYPSUM BOARD (VINYL COVERED) INSTALLED PER MANUFACTURERS SPECIFICATIONS.

FLOOR – AS NOTED ON 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.

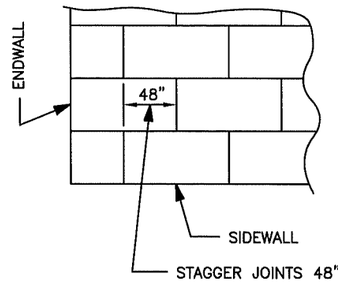
EXTERIOR FINISH MATERIAL:

ROOF – MULE-HIDE 45 MIL (BLACK) EPDM (ESR-1463) FULLY ADHERED TO 7/16" OSB OR OR 1/4" PLYWOOD WITH MULE-HIDE FR ADHESIVE IN ACCORDANCE WITH INTEREK REPORT CCCR-1078 (CLASS C ROOF)

WALL – 7/16" SMART PANEL SIDING OVER APPROVED MOISTURE BARRIER. (DUPONT TYVEK ESR 2375) INSTALLED PER MANUFACTURERS SPECIFICATIONS

GENERAL CROSS-SECTION NOTES:

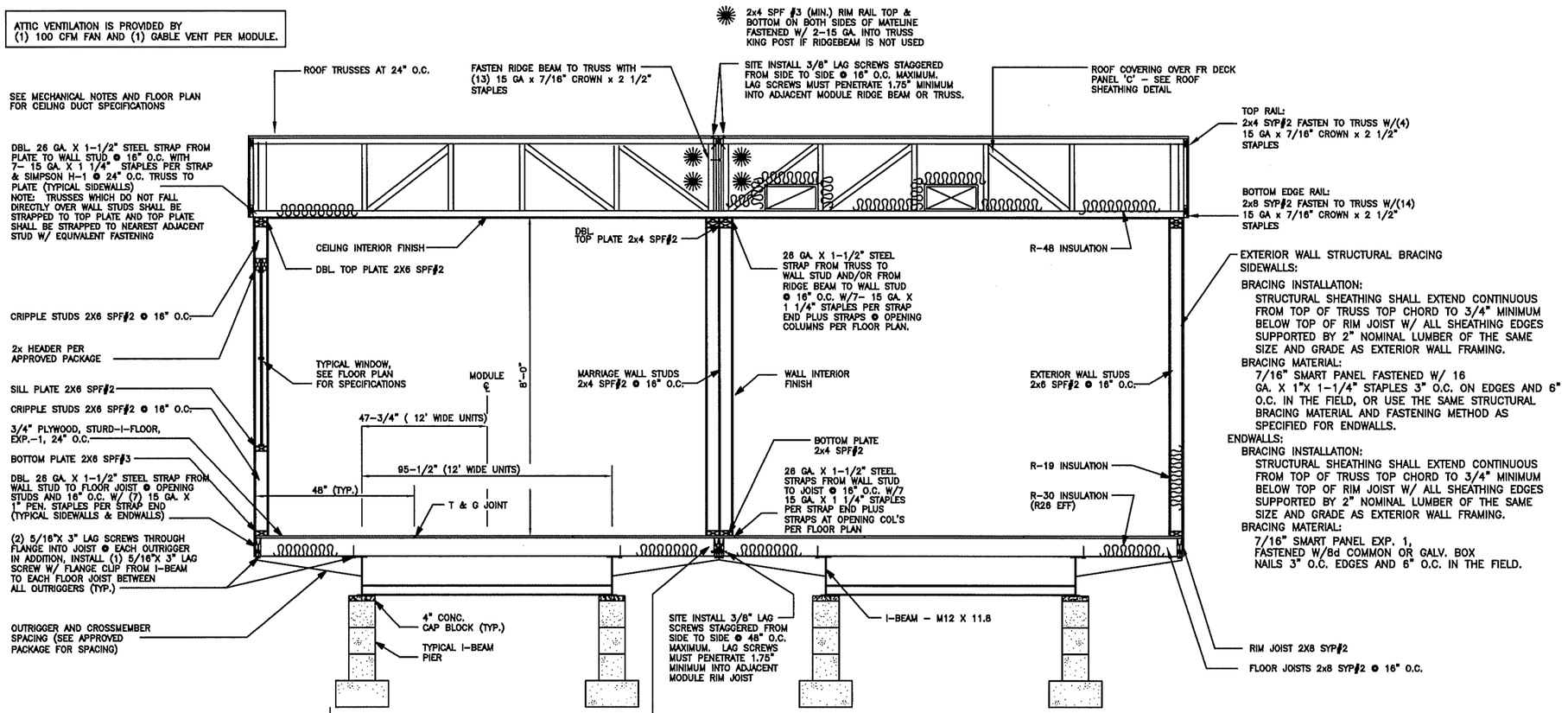
1. UNLESS OTHERWISE SPECIFIED, ALL STEEL MUST COMPLY W/ ASTM A36, YIELD STRENGTH = 36 KSI.
2. ALL LAG SCREWS MUST COMPLY W/ ANSI/ ASME B18.2.1. F_{YB} = 60 KSI MINIMUM.
3. SEE FOUNDATION PLAN FOR PIER AND TIE-DOWN STRAPPING LOCATIONS, ORIENTATIONS, AND SPECIFICATIONS.



ROOF SHEATHING FASTENED TO TRUSSES W/0.099"ø x 2" NAILS @ 6" O.C. ON EDGES AND 6" O.C. IN THE FIELD ON ALL ZONES

ROOF SHEATHING DETAIL

ATTIC VENTILATION IS PROVIDED BY (1) 100 CFM FAN AND (1) GABLE VENT PER MODULE.



APPROVED TRUSS DESIGN:
TRUSS MANUF. : SOUTHEREN WOOD COMPONENTS
TRUSS DRAWING. # SWF2002

SEE ATTACHED DWG.

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

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03 17 2020

RIDGE BEAM CONSTRUCTION:

4 LAYERS 3/4"X 24" PLYWOOD, RATED SHEATHING, EXP.-1, STRUCT.-1, 5 PLY/5 LAYER, 48/24 EACH HALF CONTINUOUS ENTIRE LENGTH OF CLEARSPAN.

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 W/ PS 1-95.
5. PLYWOOD LAMINATIONS IN EACH HALF OF THE UNITS MUST BE GLUE NAILED TO ADJACENT LAYERS IN ACCORDANCE W/ PDS SUPPLEMENT #5, W/ AN ADHESIVE COMPLYING W/ ASTM D2559, OR CA25-4.
6. PLYWOOD MUST NOT BE TREATED W/ A FIRE RETARDANT PROCESS.
7. MOISTURE CONTENT MUST BE LESS THAN 16%.
8. BEAMS SUPPORTED BY ENDWALL COLUMNS MUST EXTEND CONTINUOUS OVER COLUMNS TO EXTERIOR FACE OF ENDWALL.
9. 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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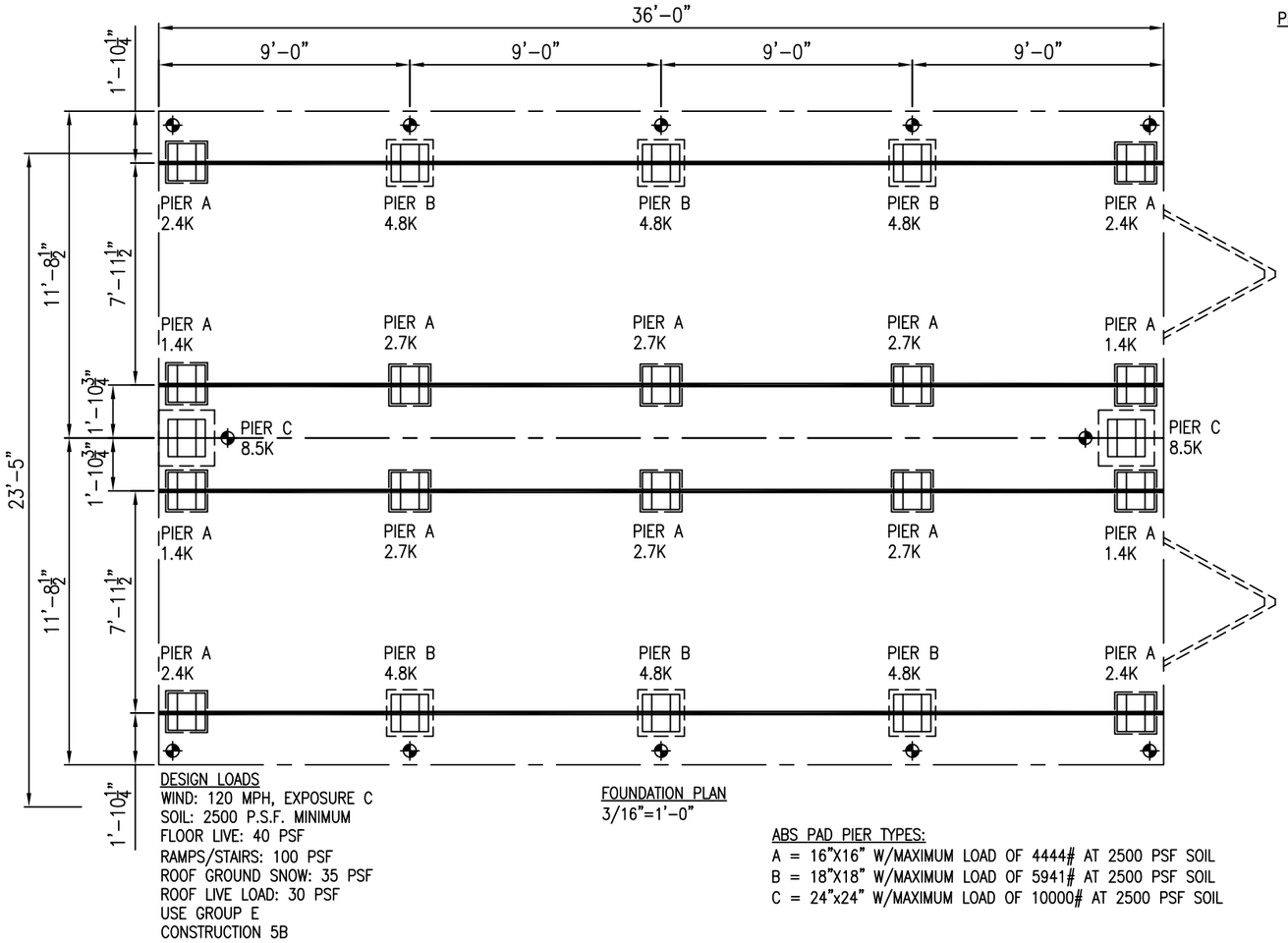
DBI8682-97 A/B 23'-4" x 36'-0" EDUCATION		SHEET 6 OF 6
CROSS SECTION	DESTINATION: BALTIMORE CO, MD.	



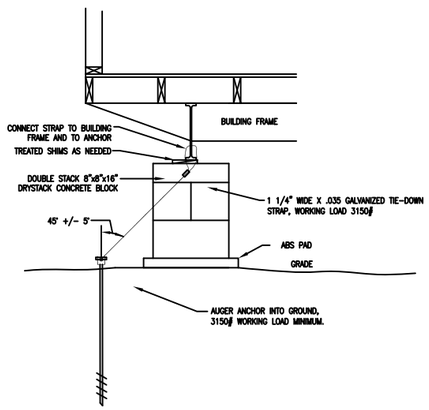
DESIGN LOADS
WIND: 120 MPH, EXPOSURE C
SOIL: 2500 P.S.F. MINIMUM
FLOOR LIVE: 40 PSF
RAMPS/STAIRS: 100 PSF
ROOF GROUND SNOW: 35 PSF
ROOF LIVE LOAD: 30 PSF
USE GROUP E
CONSTRUCTION 5B

FOUNDATION PLAN
3/16"=1'-0"

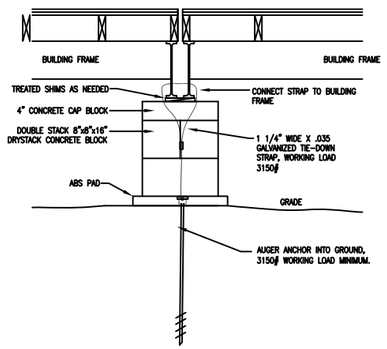
ABS PAD PIER TYPES:
A = 16"X16" W/MAXIMUM LOAD OF 4444# AT 2500 PSF SOIL
B = 18"X18" W/MAXIMUM LOAD OF 5941# AT 2500 PSF SOIL
C = 24"x24" W/MAXIMUM LOAD OF 10000# AT 2500 PSF SOIL

PIER PAD FOUNDATION NOTES:

1. THE ABOVE FOUNDATION IS DESIGNED AS PER SECTION 104.11 OF THE 2006/2009/2012 IBC USING AN ALTERNATIVE DESIGN OR METHOD OF CONSTRUCTION. THIS DESIGN MEETS OR EXCEEDS THE WIND LOAD AND SOIL BEARING REQUIREMENTS OF THE 2006/2009/2012 IBC. THE APPROVAL OF THIS FOUNDATION IS SUBJECT TO THE LOCAL AUTHORITY HAVING JURISDICTION.
2. TIE-DOWN STRAPS TO BE 1-1/4"X.035" GALVANIZED STEEL FEDERAL SPECIFICATION QQS-871-H TYPE-1, FINISH-B, GRADE-1. TIE-DOWN STRAPS AND CONNECTING HARDWARE SHALL HAVE A WORKING CAPACITY OF 3150#. TESTED LOAD OF 4725#
3. ALL TIE DOWN ANCHORS SHALL HAVE A MINIMUM WORKING LOAD 3,150# CAPACITY AND SHALL BE INSTALLED PER THEIR MANUFACTURER'S SPECIFICATIONS. THE TYPE OF GROUND ANCHOR, INCLUDING SHAFT LENGTH, NUMBER AND DIAMETER OF HELIXES, ETC. TO BE SPECIFIED BY THE GROUND ANCHOR MANUFACTURER FOR THE ACTUAL SOIL TYPE THAT IS ENCOUNTERED AT THE SITE.
4. SEE FOUNDATION PLAN FOR LOCATION AND SPACING OF TIE-DOWNS
5. ALL PIERS SHALL BE 8"X8"X16" SINGLE OR DOUBLE STACK MASONRY BLOCKS ON MINIMUM A 16"X16"X3/4" ABS PAD OR 16"X16"X4" SOLID CONCRETE PADS, EXCEPT AS NOTED ON FOUNDATION PLAN. SEE PIER DETAIL AND NOTES FOR ADDITIONAL OPTIONS.
6. DESIGN IS BASED ON A MINIMUM SOIL BEARING CAPACITY IS 2,500 PSF.
7. INSURE THAT ALL GRASS, LOOSE DEBRIS, ETC. ARE REMOVED FROM UNDER THE PIER PADS, AND THAT THE GROUND IS LEVELED UNDER PIER PAD AND FIRMLY COMPACTED.
8. SEE THIS SHEET FOR DESIGN LOADS
9. HARDWOOD OR TREATED WOOD SHIMS MAY BE INSTALLED WHEN NECESSARY BETWEEN THE MODULAR STEEL FRAME AND THE TOP OF THE PIER. SHIMS SHALL BE FREE OF KNOTS, CHECKS, SPLITS, AND SIMILAR IMPERFECTIONS.
10. MASONRY PIERS MAY BE INSTALLED IN A DRY STOCK SUBJECT TO LOCAL JURISDICTION AND APPROVAL
11. OVERALL WIDTH DIMENSION IS NOMINAL WITH 1" GROWTH ALLOWED FOR BETWEEN UNITS AND IS BASED ON UNIT WIDTH X NUMBERS OF MODULES. ACTUAL OVERALL WIDTH MAY INCREASE DUE TO SITE CONDITIONS AND MATERIAL TOLERANCES. FAILURE TO REMOVE CLOSE-UP MATERIAL AND/OR OTHER FACTORS BEYOND THE CONTROL OF THE BUILDING MANUFACTURER.
12. SINGLE DRY STACK PIERS ARE LIMITED TO 34" AND FROM 34" TO 54" SHALL BE DOUBLE STACK. FROM 54" TO 66" ARE REQUIRED TO HAVE SURFACE BONDING TO (ALL PIERS OVER 66" HIGH WILL REQUIRE SEPARATE ENGINEERING TO BE COMPLETED)
13. WHERE REQUIRED BY LOCAL JURISDICTION ALL MASONRY PIERS MAY BE LAID IN TYPE "M" OR "S" MORTAR IN COMPLIANCE W/ASTM C887, OR SHALL HAVE SURFACE BONDING MORTAR IN COMPLIANCE W/ASTM C 946



PIER DETAIL
3/4"=1'-0"



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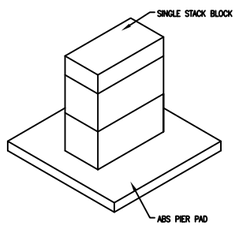
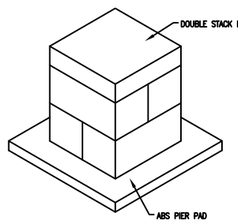


PIER DETAIL A OR B
3/8"=1'-0"



ALT. PIER DETAIL A, B OR C
3/8"=1'-0"

REVISION:

BALTIMORE COUNTY
PUBLIC SCHOOLS

MODULAR GENIUS
SMART BUILDING

BLOCKING PLAN

DESIGNED: 8/20/15	DRAWN BY: HAS
SERIAL #: 15-0078	SCALE: 3/16" = 1'-0"
PRINTED: 8/20/15 12:12PM	DRAWING #: S1
APPROVED BY:	