PLUMBING NOTES:

1. WHEN RESTROOM FACILITIES AND/OR PLUMBING FIXTURES REQUIRED PER IPC 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

MECHANICAL NOTES:

1. ALL SUPPLY AIR REGISTERS SHALL BE 14 INCHES x 14 INCHES ADJUSTABLE WITH 8 INCHES x 18 INCHES (INSIDE) OVERHEAD FIBERGLASS DUCT, UNLESS OTHERWISE SPECIFIED. DUCTS SHALL BE INSULATED PER THE REQUIRMENTS OF THE APPILICABLE ENERGY CODES
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 THE IMC.
4. VENT FANS SHALL BE DUCTED TO THE EXTERIOR AND TERMINATE AT AN APPROVED VENT CAP.
5. EXHAUST FANS SHALL PROVIDE A MINIMUM OF 70 CFM FOR EACH WATER CLOSET AND URINAL.
6. THERMOSTATS MUST BE PROGRAMMABLE

ATTENTION LOCAL INSPECTIONS DEPARTMENT

SITE INSTALLED ITEMS

THE FOLLOWING ITEMS HAVE NOT BEEN COMPLETED BY THE MANUFACTURER, HAVE NOT BEEN INSPECTED BY RADCO 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, AND HOOK-UP TO PLUMBING SYSTEM.
5. ELECTRICAL SERVICE HOOK-UP (INCLUDING FEEDERS) TO THE BUILDING.
6. THE MAIN ELECTRICAL PANEL AND SUB-FEEDERS
7. CONNECTION OF ELECTRICAL CIRCUITS CROSSING OVER MODULE MATELINE(S) – (MULTI-UNITS ONLY).
8. STRUCTURAL AND AESTHETIC INTERCONNECTIONS BETWEEN MODULES (MULTI-UNITS ONLY).
9. FIRE INSPECTION

MARYLAND NOTES:

1. REFER TO STATE PACKAGE PAGE NO. C34.0 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: ALLEGANY
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 GOVERMENT 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-6 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.

GENERAL NOTES:

1. ACCESS TO BUILDING FOR PERSONS IN WHEELCHAIRS IS DESIGNED BY AND FIELD BUILT BY OTHERS AND SUBJECT TO LOCAL JURISDICTION APPROVAL. THE PRIMARY ENTRANCE MUST BE ACCESSIBLE.
2. ALL DOORS SHALL BE OPENABLE FROM THE EGRESS SIDE WITHOUT THE USE OF A KEY, TOOL, SPECIAL KNOWLEDGE OR EFFORT. MANUALLY OPERATED FLUSH BOLTS OR SURFACE BOLTS SHALL NOT BE USED.
3. ALL GLAZING WITHIN A 24 INCH ARC OF DOORS, WHOSE BOTTOM EDGE IS LESS THAN 60 INCHES ABOVE THE FLOOR, AND ALL GLAZING IN DOORS SHALL BE SAFETY, TEMPERED OR ACRYLIC PLASTIC SHEET.
4. SEE CROSS SECTION FOR ROOF TO WALL AND WALL TO FLOOR CONNECTION REQUIRMENTS.
5. PORTABLE FIRE EXTINGUISHER PER N.F.P.A. – 10 INSTALLED BY OTHERS ON SITE, AND SUBJECT TO LOCAL JURISDICTION.
6. PROVISIONS FOR EXIT DISCHARGE LIGHTING ARE THE RESPONSIBILITY OF THE BUILDING OWNER AND SUBJECT TO LOCAL JURISDICTION APPROVAL WHEN NOT SHOWN ON THE FLOOR PLAN (INCLUDING EMERGENCY LIGHTING, WHEN REQUIRED).
7. WHEN LOW SIDES OF ROOF PROVIDE LESS THAN 6" OF OVERHANG, GUTTERS AND DOWN SPOUTS SHALL BE SITE INSTALLED, DESIGNED BY OTHERS, SUBJECT TO LOCAL JURISDICTION APPROVAL.
8. IN WIND-BORNE DEBRIS REGIONS, EXTERIOR GLAZING SHALL BE IMPACT RESISTANT OR PROTECTED WITH AN IMPACT RESISTANT COVERING MEETING THE REQUIRMENTS OF AN APPROVED IMPACT RESISTANT STANDARD, OR ASTM E1996. WIND-BORNE DEBRIS REGIONS ARE DESIGNATED IN SECTION 1609 OF THE IBC AND NCBC.
9. WINDOWS AND DOORS MUST BE CERTIFIED FOR COMPLIANCE WITH THE WIND DESIGN PRESSURE FOR COMPONENTS AND CLADDING.
10. STRUCTURAL DETAILS NOT INCLUDED IN THIS PLAN SET ARE TO BE CONSTRUCTED ACCORDING TO THE MANUFACTURERS STATE APPROVED BUILDING SYSTEM MANUAL.
11. A FIRE ALARM MUST BE SITE INSTALLED BY OTHERS, SUBJECT TO LOCAL APPROVAL BY THE AUTHORITY HAVING JURISDICTION.
12. THIS BUILDING IS DESIGNED FOR NORTH CAROLINA CLIMATE ZONE 4a

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, E2.6 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 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.

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 "STORAGE AREA" AS DEFINED BY NEC 410-8(a).
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 WITH SECTION 110-9 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 AND NCEC.
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. ALL 15 AND 20 AMPERE, 125 AND 250 VOLT NONLOCKING-TYPE RECEPTACLES SHALL BE LISTED TAMPER RESISTANT RECEPTACLES.

CODE SUMMARY:

STATE	BUILDING	ELECTRICAL	MECHANICAL	PLUMBING	ACCESSIBILTY	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	2018 ASHRAE 90.1 W/N.J. AMENDS 2018 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	2015 NC ENERGY CODE 2015 IECC
MARYLAND	2018 IBC W/ MD. AMENDMENTS FIRE CODE 2018 NFPA 1 AND NFPA 101 WITH MD. AMENDMENTS	2017 NEC W/MD. AMEND.	2018 IMC. W/ MD. AMEND.	2018 IPC W/ MD. AMEND.	2010 ADA 2012 MARYLAND ACCESS. CODE	2018 IECC W/MD. AMEND.
VIRGINIA	2015 VA. UNIFORM STATEWIDE BLDG. CD. 2015 IBC 2015 VA. STATEWIDE FIRE PREVENTION CODE 2015 IFC W/VA. AMENDS	2014 NEC	2015 IMC.	2015 IPC	ICC/ANSI A117.1-2009	2015 IECC

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

STATE OF MARYLAND – WALTER E. WOOD – PROFESSIONAL ENGINEER – VALID – 05-07-2020

NORTH CAROLINA – PROFESSIONAL – SEAL 044853 – ENGINEER – WALTER E. WOOD – VALID – 05-07-2020

COMMONWEALTH OF VIRGINIA – WALTER E. WOOD – Lic. No. 5788 – PROFESSIONAL ENGINEER – VALID – 05-07-2020

STATE OF NEW JERSEY – ROBERT E. GREGG – REGISTERED ARCHITECT

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 SIDE REACH; CLOTHES RODS OR COAT HOOKS SHALL BE A MAXIMUM OF 48 INCHES ABOVE THE FLOOR (46 INCHES MAXIMUM WHEN DISTANCE FROM WHEEL CHAIR TO ROD EXCEEDS 10 INCHES). SHELVES IN 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 15 INCHES ABOVE THE FLOOR. EXCEPTION; HEIGHT LIMITATIONS DO NOT APPLY WHERE THE USE OF SPECIAL EQUIPMENT DICTATES OTHERWISE OR WHERE ELECTRICAL RECEPTACLES ARE NOT NORMALLY INTENDED FOR USE BY BUILDING OCCUPANTS.
5. WHERE EMERGENCY WARNING SYSTEMS ARE PROVIED, 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,WHICHEVER IS LOWER.
6. ALL DOORS SHALL BE OPENABLE BY A SINGLE EFFORT. DOOR CLOSERS SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 90 DEGREES, THE TIME REQUIRED TO MOVE THE DOOR TO AN OPEN POSITION OF 12 DEGREES SHALL BE 5 SECONDS MINIMUM. THE MAXIMUM FORCE REQUIRED FOR PUSHING OR PULLING OPEN DOORS OTHER THAN FIRE DOORS SHALL 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. 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 – OPERRATED, PUSHTYPE, U-SHAPED) MOUNTED WITH OPERABLE PARTS BETWEEN 34 INCHES MINIMUM AND 48 INCHES MAXIMUM ABOVE THE FLOOR.

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.

RADCO APPROVED

May 07, 2020

RESOURCES, APPLICATIONS, DESIGN & CONTROLS, INC.
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RADCO – YOUR VISION • OUR MISSION

THIRD PARTY DESIGN APPROVAL & INSPECTION AGENCY

BUILDING DESIGN PARAMETERS

1. USE/OCCUPANCY: EDUCATION ELEMENTARY
2. CONSTRUCTION TYPE: VB
3. SPRINKLER SYSTEM: NO
4. BUILDING AREA: 794 S.F.
5. BUILDING HEIGHT: ≤ 15 FEET
6. NUMBER OF STORIES: 1
7. NUMBER OF MODULES: 2
8. OCCUPANT LOAD 36 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 TABLE 602 AND SECTION 705.3
11. ENGEROY CODE COMPLIANCE: SEE ATTACHED ENERGY CALCULATIONS.
12. MANUFACTURERS DATA PLATE, STATE LABELS AND RADCO LABELS ARE TO BE LOCATED ADJACENT TO ELECTRICAL PANEL.

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727-796-8774-Ext-331
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MARYLAND, N.J. STRUCTURAL LOAD LIMITATIONS:

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 = 20 PSF.

ROOF SNOW LOAD:
A. GROUND SNOW LOAD: Pg = 50 PSF
B. FLAT-ROOF SNOW LOAD: Pf = 40.8 PSF
C. SNOW EXPOSURE FACTOR: Ce = 1.0
D. SNOW IMPORTANCE FACTOR: Is = 1.0
E. SNOW THERMAL FACTOR: Ct = 1.1
F. ROOF SLOPE FACTOR: Cs = 1.0
G. SLOPED ROOF SNOW LOAD: Ps = 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 = 130 MPH
B. ASD WIND SPEED (3-SEC GUST): Vasd = 101 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 = +/-40.2 PSF (Pasd = +/-29.6 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. RISK CATEGORY IS II.
B. SEISMIC IMPORTANCE FACTOR IS 1.0
C. SEISMIC SITE CLASS IS D.
D. SPECTRAL RESPONSE COEFFICIENTS:
Ss = 0.537 S1 = 0.285
Sds = 0.49 Sd1 = 0.19
E. SEISMIC DESIGN CATEGORY IS C.
F. SEISMIC FORCE RESISTING SYSTEM IS A13.
G. SIMPLIFIED SEISMIC ANALYSIS PROCEDURE HAS BEEN USED.
H. RESPONSE MODIFICATION FACTOR R = 6.5.
I. SEISMIC RESPONSE COEFFICIENT Cs = 0.08.
J. DESIGN BASE SHEAR V = 1612#

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

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

OTHER STATES STRUCTURAL LOAD LIMITATIONS:

FLOOR LIVE LOAD:
A. 50 PSF ELSEWHERE.
B. 2000# 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 = 30 PSF
B. FLAT-ROOF SNOW LOAD: Pf = 23.1 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 7-10.

WIND LOAD:
A. ULTIMATE WIND SPEED (3-SEC GUST): Vult = 130 MPH
B. NOMINAL WIND SPEED (3-SEC GUST): Vasd = 100 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 >7 TO 27 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 = -55.6 PSF (Pasd = -52.0 PSF)
ROOF ZONE 2: Pult = -37.0 PSF (Pasd = -35.1 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.

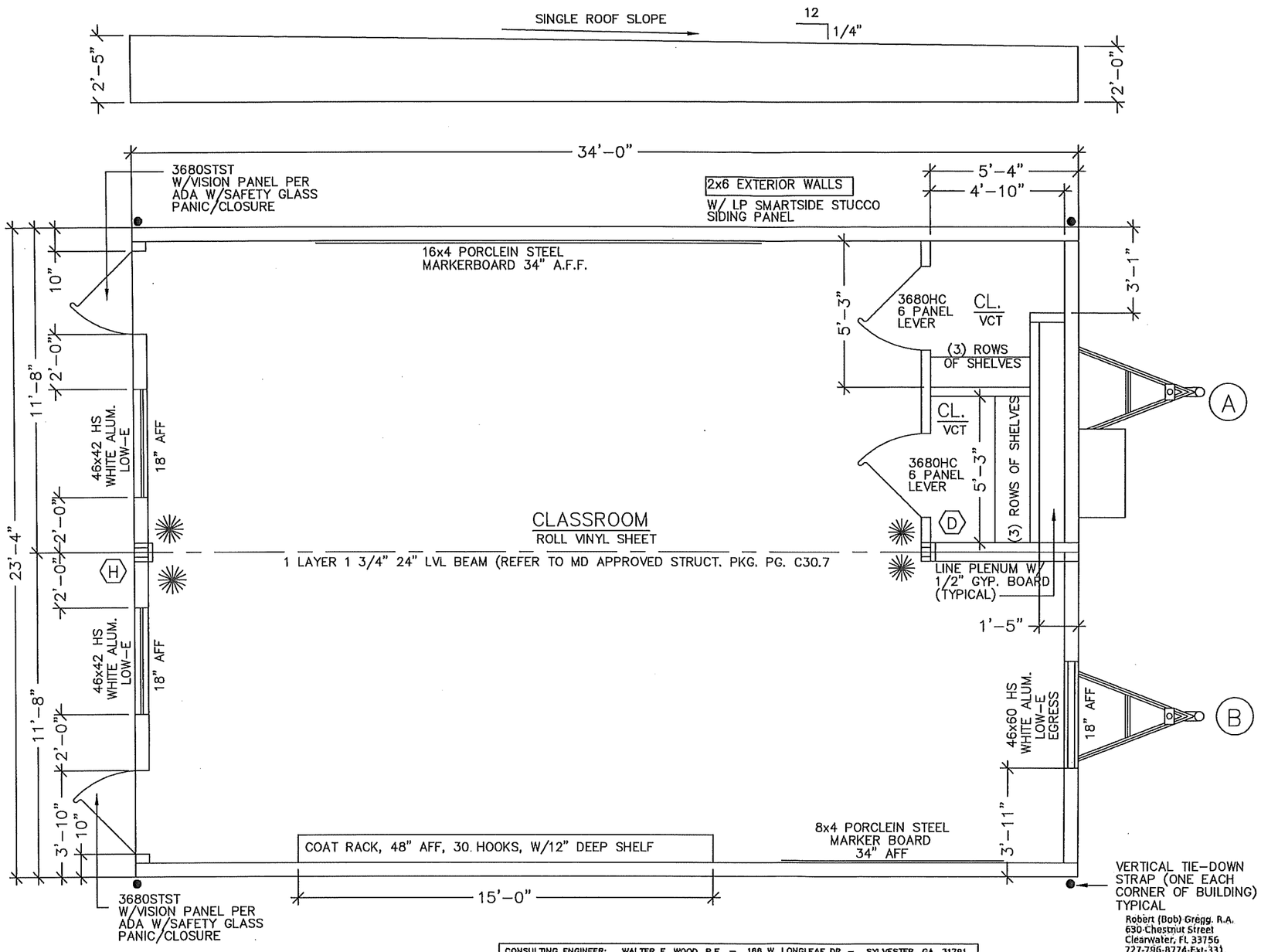
SEISMIC LOAD:
A. RISK CATEGORY IS II.
B. SEISMIC IMPORTANCE FACTOR IS 1.0
C. SEISMIC SITE CLASS IS D.
D. SPECTRAL RESPONSE COEFFICIENTS:
Ss = 0.537 S1 = 0.285
Sds = 0.49 Sd1 = 0.19
E. SEISMIC DESIGN CATEGORY IS C.
F. SEISMIC FORCE RESISTING SYSTEM IS A15.
G. EQUIVALENT LATERAL FORCE ANALYSIS PROCEDURE
H. RESPONSE MODIFICATION FACTOR R = 6.5.
I. SEISMIC RESPONSE COEFFICIENT Cs = 0.08
J. DESIGN BASE SHEAR V = 1612 LBS

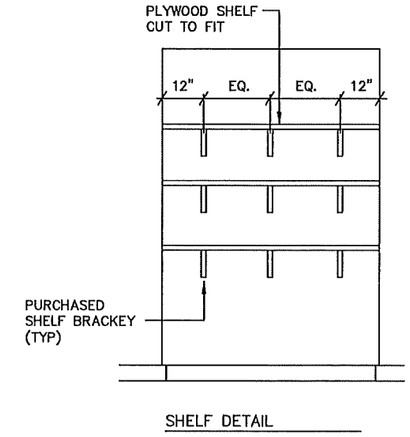
FLOOD LOAD:
THIS BUILDING IS NOT DESIGNED TO BE LOCATED IN A FLOOD HAZARD AREA.

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

MARYLAND SERIAL NO.: 8237-86

SPECIALIZED STRUCTURES INC. 2400 SPRINGHEAD CHURCH ROAD 1-912-384-7565	WILLACOOCHEE, GA 31650 FAX: 1-912-384-4943
DATE: 4-16-20	THIRD PARTY: RADCO 5801 BENJAMIN CENTER, SUITE 102 TAMPA, FLORIDA 33634 813-243-0370
SCALE: NO SCALE	
CODES: SEE NOTES	
STATES: MD, VA, NJ, NC.	REVISIONS: — BY: W.E.W.
REFERENCE: 5637	
SSI5637-86 A/B 23'-4" x 34'-0" EDUCATION	SHEET 1 OF 6
COVER SHEET	DESTINATION: ABERDEN, MD — MD. PLAN NO: SSI 5637 MD





SHELF DETAIL

MARYLAND SERIAL NO.: 8237-86

APPROVED **RADCO** APPROVED
May 07, 2020

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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) (3) 2x6 SPF #2 THIS HALF.	(H) (3) 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.

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

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VALID — NORTH CAROLINA PROFESSIONAL SEAL 044853 ENGINEER WALTER E. WOOD — 05-07-2020

VALID — COMMONWEALTH OF VIRGINIA — WALTER E. WOOD Lic. No. 57881 PROFESSIONAL ENGINEER — 05-07-2020

STATE OF NEW JERSEY — ROBERT E. GREGG — 15414 — REGISTERED ARCHITECT — 5/7/20

SPECIALIZED STRUCTURES INC.
2400 SPRINGHEAD CHURCH ROAD, WILLACOOCHEE, GA 31650
1-912-384-7555 FAX: 1-912-384-4943

DATE: 4-16-20	THIRD PARTY: RADCO 5901 BENJAMIN CENTER, SUITE 102 TAMPA, FLORIDA 33634 813-243-0370	
SCALE: 1/4"=1'-0"		
CODES: SEE NOTES		
STATES: MD, VA, NJ, NC.	REVISIONS:	BY: W.E.W.
REFERENCE: 5637		
SSI5637-86 A/B 23'-4" x 34'-0" EDUCATION		SHEET 2 OF 7
FLOOR PLAN	DESTINATION: ABERDEN, MD	MD. PLAN NO: SSI 5637 MD

SYMBOLS

J-BOXES ONLY

- P — FIRE ALARM PULL STATION
- H — FIRE ALARM HORN/STROBE
- S — FIRE ALARM STROBE LIGHT
- J — JUNCTION BOX (NON POWERED UNLESS CIRCUIT NO. IS SHOWN)
- S — SMOKE DETECTOR
- DUPLEX RECEPTACLE 120 V.
- SINGLE RECEPTACLE 240 V.
- INCANDESCENT LIGHT WITH 1- 60 W. BULB
- COMPACT FLOURESCENT LIGHT 1-60 W. BULB
- HIGH PRESSURE SODIUM LIGHT
- METAL HALIDE WALL PACK
- VENT FAN
- COMB. VENT FAN & LIGHT
- SUPPLY AIR REGISTER
- RETURN AIR REGISTER
- FLOOD LIGHT 2-150W BULBS
- T — THERMOSTAT
- FLUORESCENT FIXTURE WITH 2-32W TUBES
- EXIT/EMERGENCY COMBO W/BATTERY BACKUP
- EXIT/EMERGENCY COMBO W/REMOTE HEAD W/BATTERY BACKUP
- EXIT/EMERGENCY COMBO W/DBL. REMOTE HEAD W/BATTERY BACKUP
- EXIT — EXIT/EMERGENCY COMBO W/BATTERY BACKUP
- EXIT SIGN W/BATTERY BACKUP
- EMERGENCY LIGHT WITH BATTERY BACKUP
- TELEPHONE
- $ $3 — SWITCH & 3 WAY SWITCH
- OS3 — OCCUPANCY SENSOR WITH 3-WAY SWITCH COOPER CONTROLS MODEL NO: VAC-DT-1000-R
- F.E. — FIRE EXTINGUISHER

NOTE:
NM CABLE SHALL NOT BE USED WHERE INTERIOR FINISH HAS LESS THAN A 15 MIN. FIRE RATING TYPE AC OR OTHER APPROVED WIRING METHODS SHALL BE USED WHEN USING LESS THAN 1/2" GYP. WALL SHEATHING.

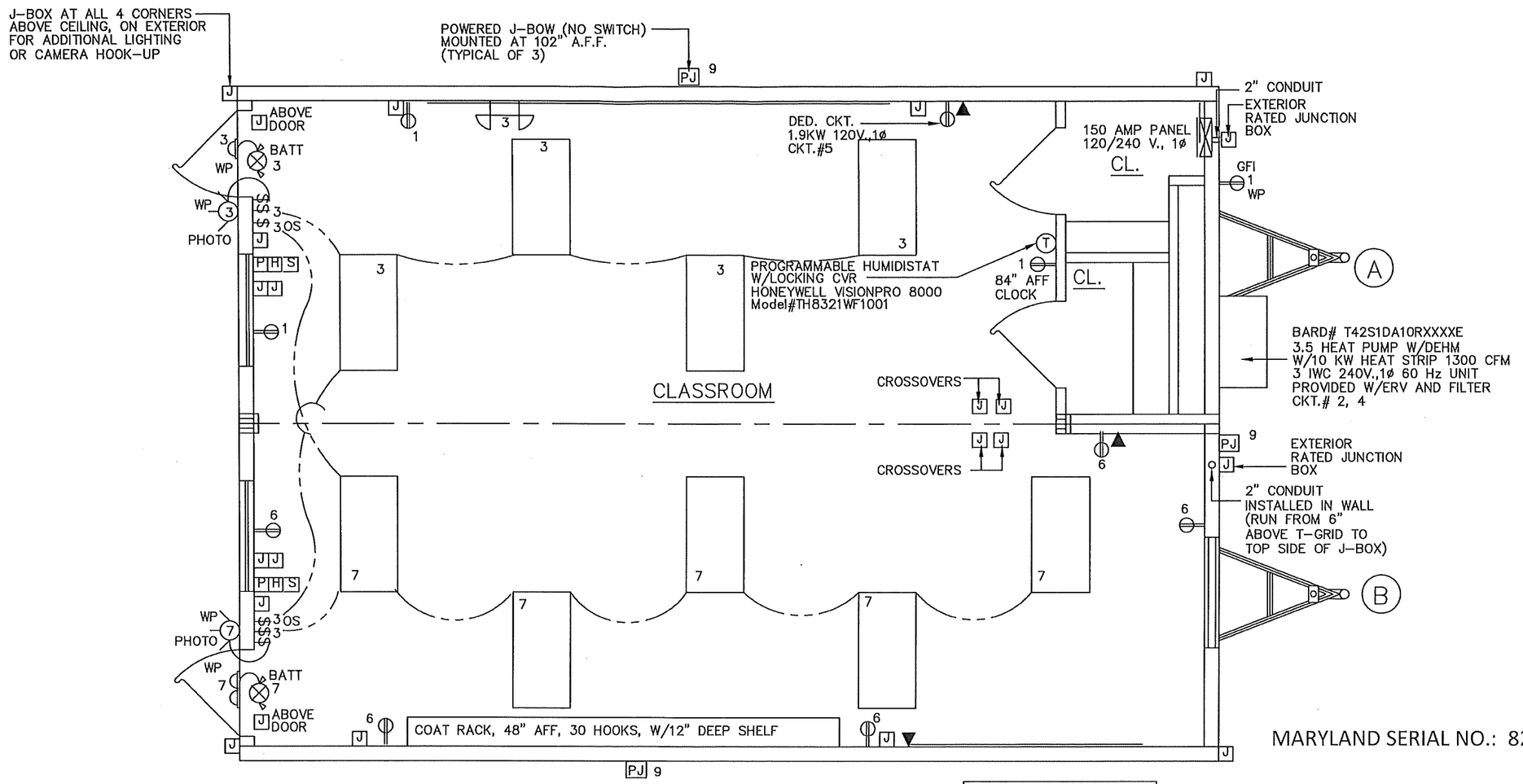
ELECTRICAL SCHEDULE

CIRCUIT	NOMENCLATURE	BREAKER (AMPS)	WIRE (CU.)
2, 4	HVAC	90 A (2P) HACR	4-2 #8 GRND.
5	DED. CKT. 1.9KW 120V.,1ø	20A(1P)	12-2 MC
9	POWERED J-BOX	20 A	12-2 MC
1, 6	RECEPTACLES	20 A	12-2 MC
3, 7	LIGHTING	20 A	12-2 MC

ELECTRICAL PANEL SIZING:

DESCRIPTION	KVA
GENERAL LIGHTING	
.0030 KW/SF X 793 SF X 1.25=	3.0
9 RECEPTS AT 180VA/1000=	1.6
DED. CKT. 1.9KW x 1.25=	2.4
3 PWD J-B .5 KW X 1.25=	1.9
HVAC	21.6

TOTAL 30.5 KW
TOTAL/240 X 1000= 128 AMPS
INSTALL 150 AMP PANEL
120/240 V 1ø



MARYLAND SERIAL NO.: 8237-86

USE QUICK CONNECTS FOR CROSSOVERS

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APPROVED **RADCO** APPROVED
May 07, 2020

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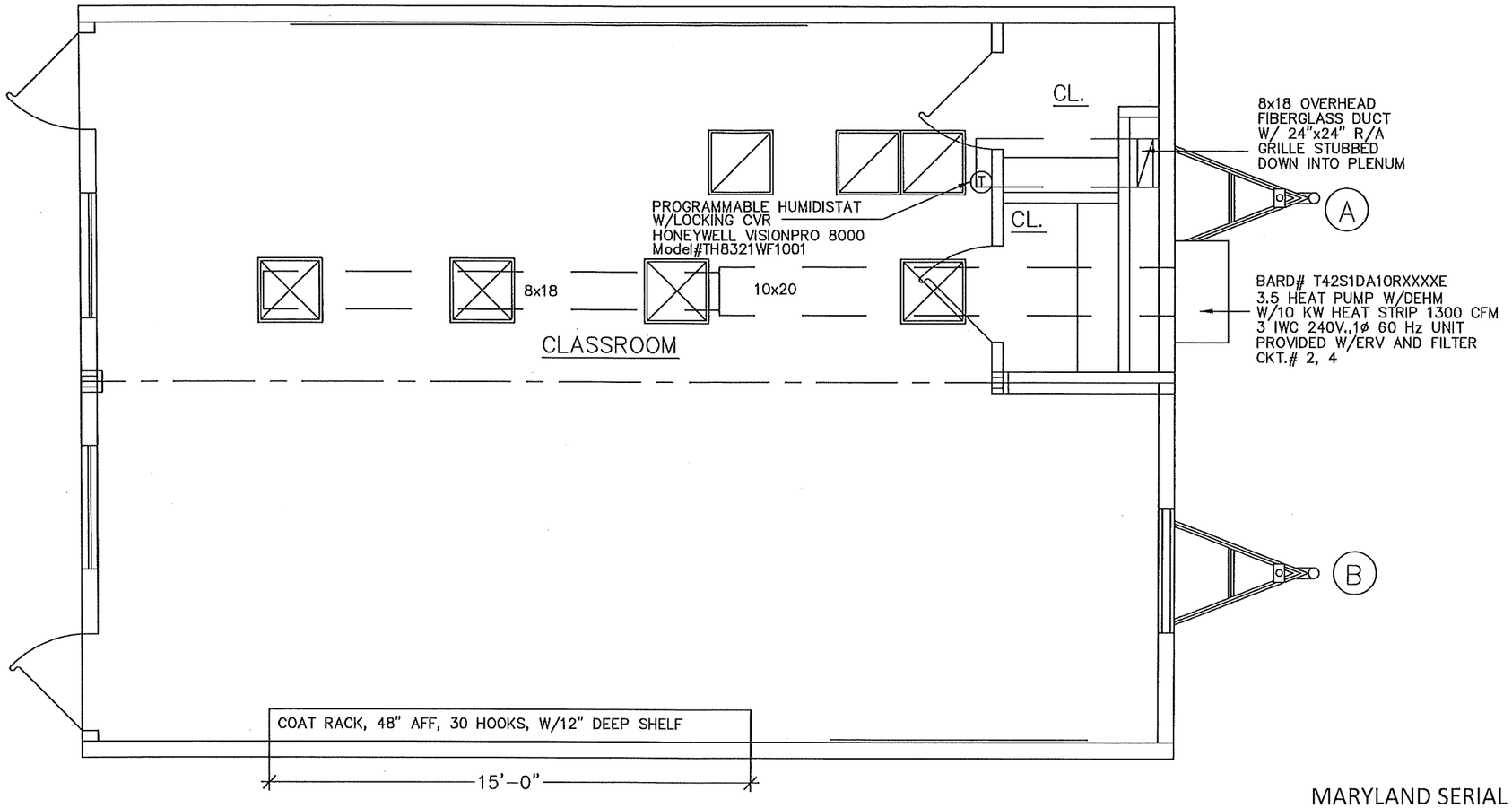
CODES: SEE NOTES	
STATES: MD, VA, NJ, NC.	REVISIONS:
REFERENCE: 5637	BY: W.E.W.
SSI5637-86 A/B 23'-4" x 34'-0" EDUCATION	SHEET 3 OF 7
ELECTRICAL PLAN	DESTINATION: ABERDEN, MD — MD. PLAN NO: SSI 5637 MD



MARYLAND SERIAL NO.: 8237-86

LEGEND

24"x24" RETURN AIR GRILLE WITH

24"x24" SUPPLY AIR GRILLE WITH (4-WAY THROW)

T — THERMOSTAT W/ LOCKING COVER

NOTES:
ACOUSTICAL CEILING TILE:
DONN X DX TILES BY ARMSTRONG 2910
(INSTALLED PER MANUFACTURES SPEC'S)

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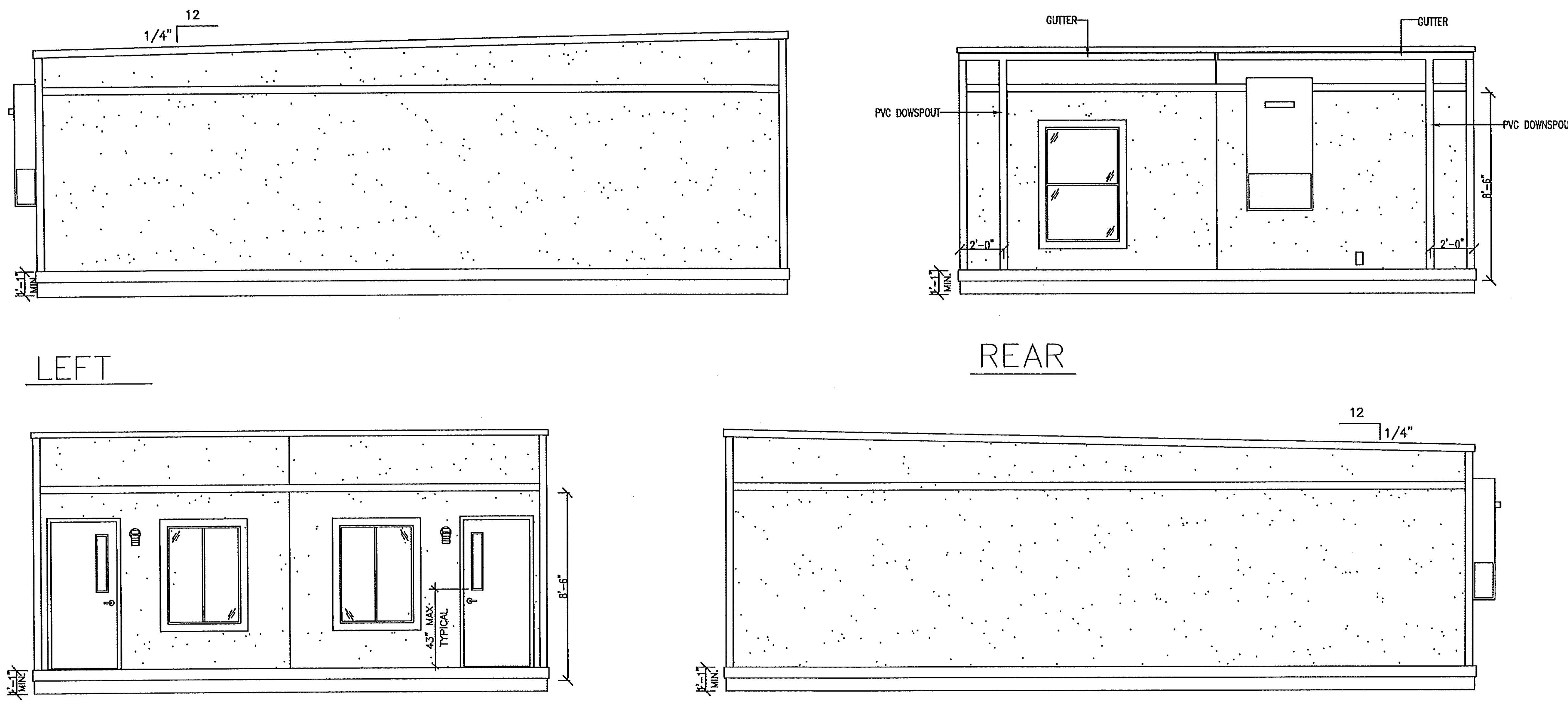
SSI5637-86 A/B 23'-4" x 34'-0" EDUCATION	SHEET 4 OF 7
MECH PLAN	DESTINATION: ABERDEN, MD. MD. PLAN NO: SSI 5637 MD



LEFT

REAR

FRONT

ELEVATIONS 1/4"=1'-0"

RIGHT

MARYLAND SERIAL NO.: 8237-86

ELEVATION NOTES (TYP.)

SEE CROSS SECTION FOR METHOD OF ROOF VENTILATION

1.) HANDICAP RAMP(S), STAIR(S), AND HANDRAILS ARE TO BE DESIGNED AND SITE INSTALLED BY OTHERS, SUBJECT TO LOCAL JURISDICTION AND APPROVAL.

2.) 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 AND APPROVAL

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SSI5637-86 A/B 23'-4" x 34'-0" EDUCATION		SHEET 5 OF 7
ELEVATIONS	DESTINATION: ABERDEN, MD / MD. PLAN NO: SSI 5637 MD	

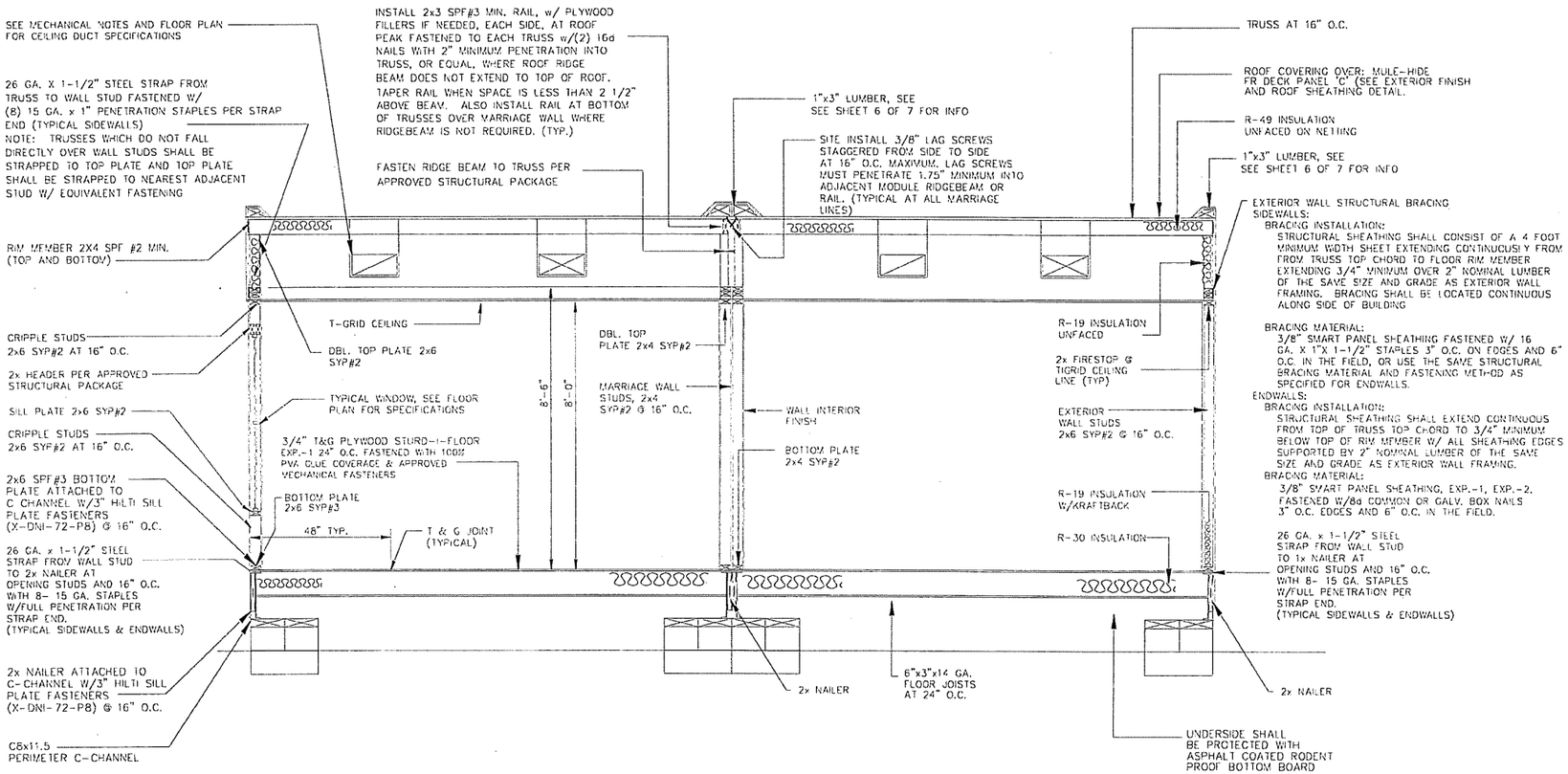
EXTERIOR FINISH MATERIAL:

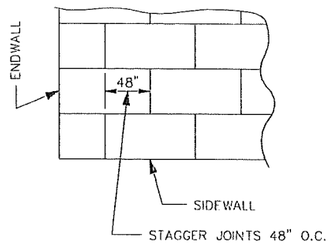
ROOF – MULE-HIDE 60 MIL (WHITE) EPDM FULLY ADHERED IN ACCORDANCE WITH ESR-1776 OVER 7/16" MULE-HIDE FR DECK PANEL 'C' INSTALLED PER MANUFACTURERS SPECIFICATIONS.

WALL – 7/16" SMART PANEL OVER APPROVED MOISTURE BARRIER INSTALLED PER MANUFACTURERS SPECIFICATIONS.

INTERIOR FINISH MATERIAL:

CEILING	–	T-GRID CEILING INSTALLED PER MANUFACTURER'S SPECIFICATIONS
WALL	–	5/8" TYPE 'X', GYP. BOARD (VCG THROUGHOUT) INSTALLED PER MANUFACTURERS SPECIFICATIONS
FLOOR	–	FLOOR FINISHES SHALL BE NO LESS THAN CLASS II LISTED PRODUCT
NOTE:	–	INTERIOR FINISHES SHALL BE CLASS 'A' FOR EXITS AND OTHER THAN EXITS SHALL BE 'A' OR 'B'





MULEHIDE:
FR DECK PANEL 'C' TO BE FASTENED TO RAFTERS PER APPROVED STRUCTURAL PACKAGE

ROOF SHEATHING DETAIL

APPROVED TRUSS DESIGN:

TRUSS MANUFACTURER: UNIVERSAL

TRUSS DRAWING. # F0350652

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.

MARYLAND SERIAL NO.: 8237-86

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May 07, 2020

MICROLAM BEAM CONSTRUCTION

1 LAYER(S) 1 3/4" , 24" MICROLAM, EACH MODULE.

NOTES:

1. MICROLAM F_B = 2750 PSI
2. MICROLAM MUST BE CONTINUOUS OVER CLEARSPAN(S).
3. BEAMS SUPPORTED BY ENDWALL COLUMNS MUST EXTEND CONTINUOUS OVER COLUMNS TO EXTERIOR FACE OF ENDWALL.
4. FASTEN ROOF SHEATHING INTO TOP EDGE OF MICROLAM TO PROVIDE CONTINUOUS LATERAL SUPPORT OF BEAM.
5. INSTALL (2 X 4) 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 WITH 100% GLUE COVERAGE AND 6-16 GA. STAPLES WITH 3/4" MINIMUM PENETRATION INTO MICROLAM BEAM.
6. WHEN MORE THAN ONE LAYER OF MICROLAM IS INSTALLED ON EITHER SIDE OF THE MATING LINE, LAYERS ON THAT SIDE OF THE MATING LINE MUST BE FASTENED TOGETHER WITH 16 GA. STAPLES X 7/16" MINIMUM CROWN (INSTALLED PARALLEL TO BEAM SPAN) X 3/4" MINIMUM PENETRATION INTO CONNECTING LAYER STAPLES SHALL BE PLACED AT 6" O.C. MAXIMUM VERTICALLY AND HORIZONTALLY WITH FIRST AND LAST ROW OF STAPLES LOCATED 1" FROM TOP AND BOTTOM EDGE OF BEAM RESPECTIVELY.

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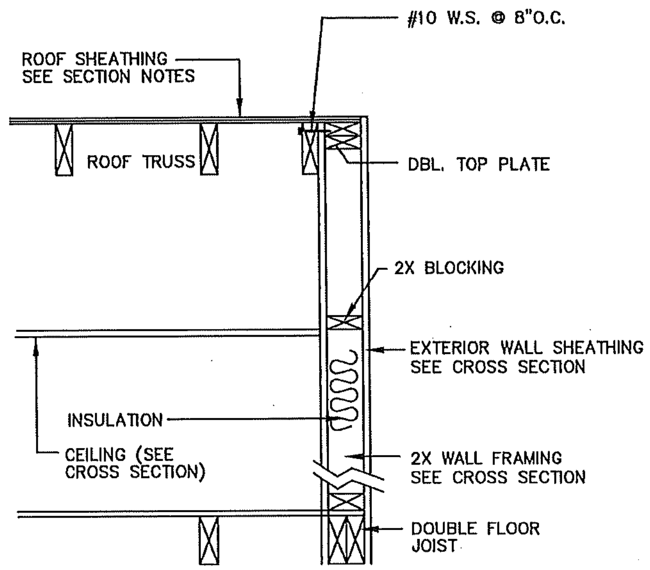
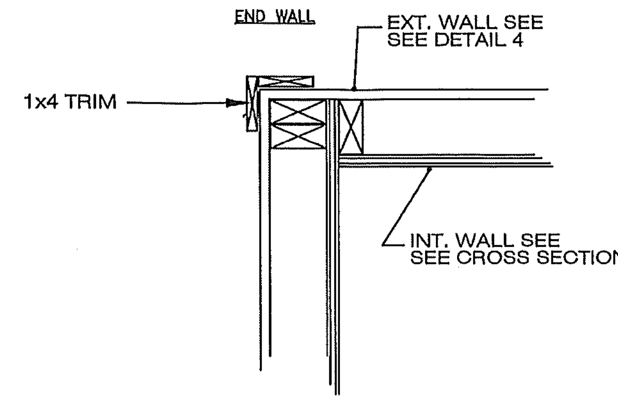
CROSS SECTION	DESTINATION: ABERDEN, MD	MD. PLAN NO: SSI 5637 MD



(A) DETAIL N.T.S.



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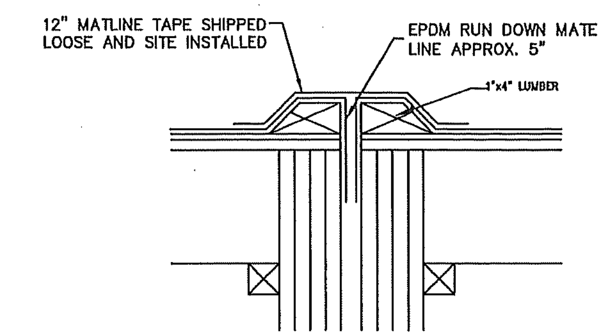

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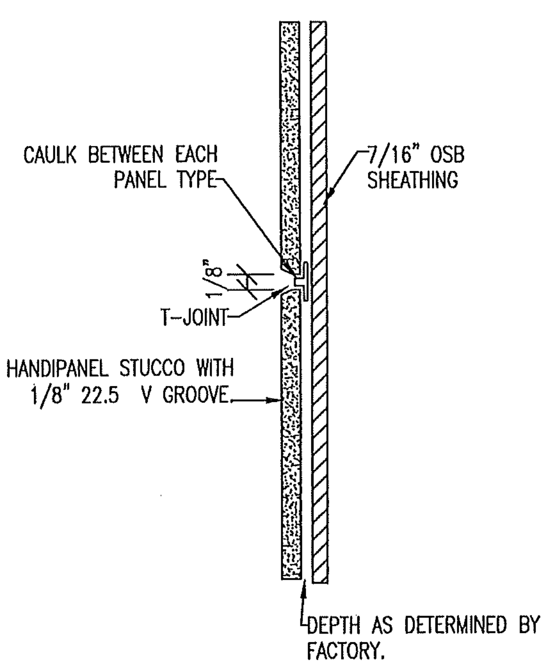

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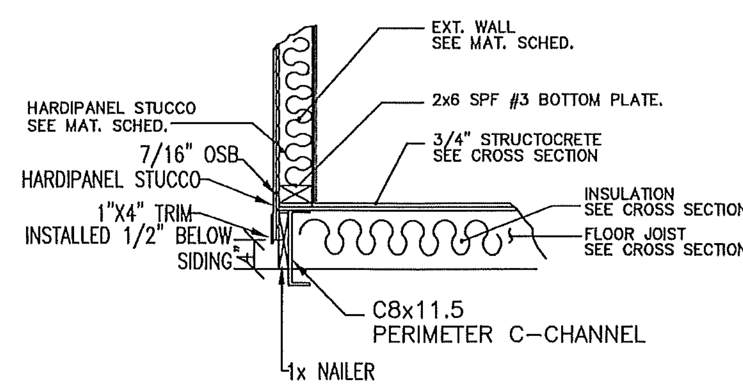

(E) DETAIL N.T.S.

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APPROVED RADCO May 07, 2020 APPROVED

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NORTH CAROLINA PROFESSIONAL SEAL 044853 ENGINEER WALTER E. WOOD — VALID 05-07-2020

COMMONWEALTH OF VIRGINIA WALTER E. WOOD Lic. No. 5788 PROFESSIONAL ENGINEER — VALID 05-07-2020

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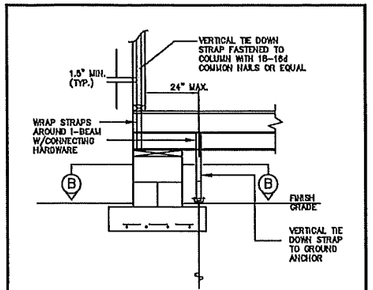
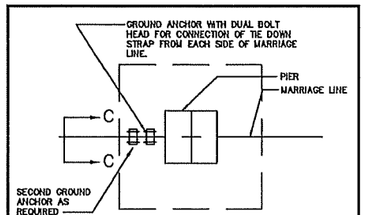


VERTICAL TIE DOWN STRAP DETAIL

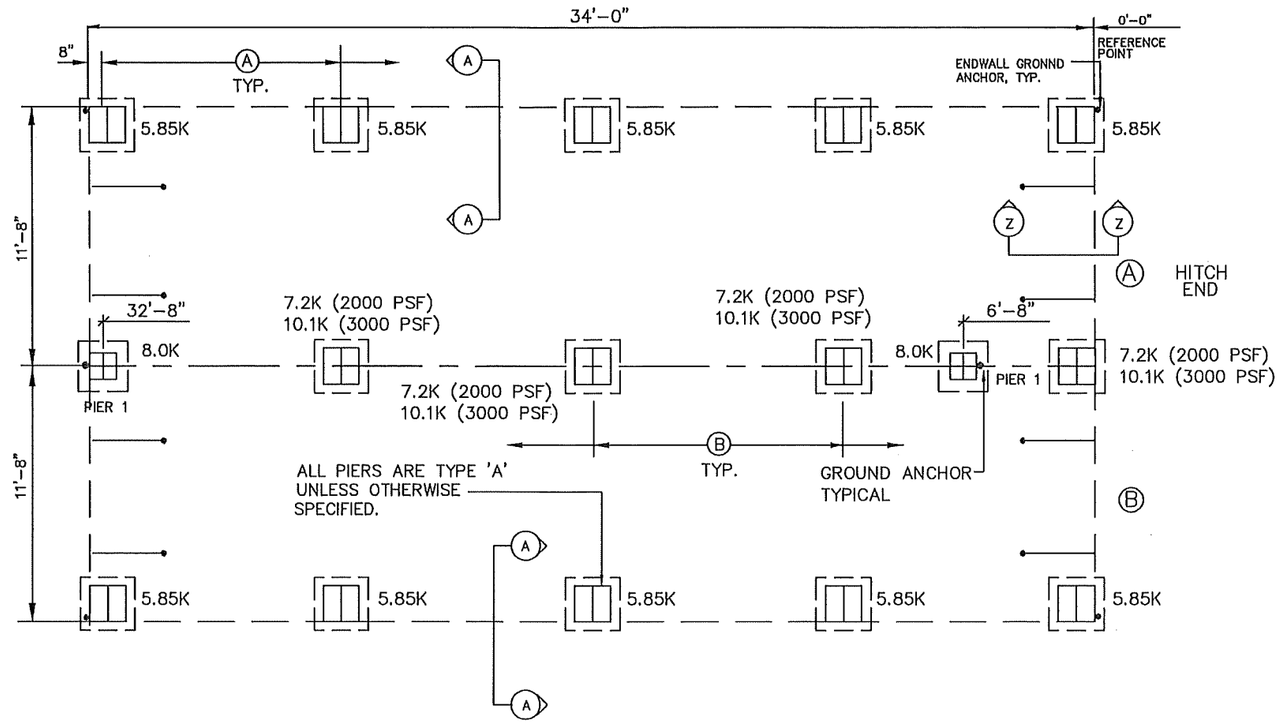


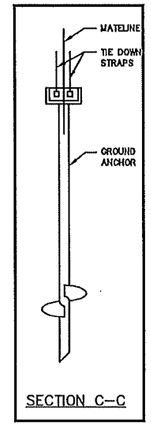
SECTION B–B

PLAN VIEW OF VERTICAL TIE DOWN STRAP AT MARRIAGE LINE COLUMNS.

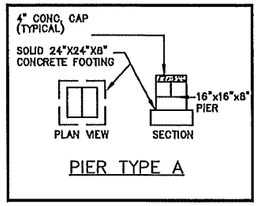
MARRIAGE WALL PIER REQUIREMENTS

PIER NUMBER	MINIMUM SOIL BEARING CAPACITY	PIER TYPE	NUMBER OF VERTICAL TIE DOWN STRAPS REQ'D (EACH MODULE)
1	2000 PSF	C	1
	3000 PSF	B	1
	2000 PSF		
	3000 PSF		

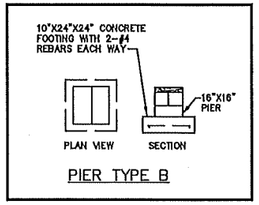




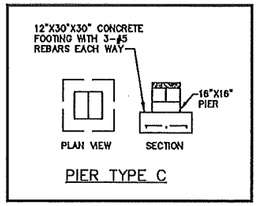
SECTION C–C



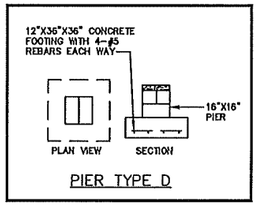
PIER TYPE A



PIER TYPE B



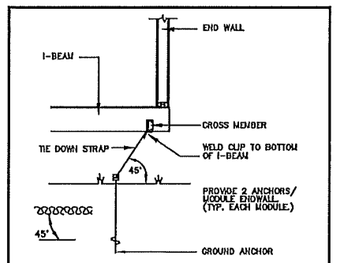
PIER TYPE C



PIER TYPE D

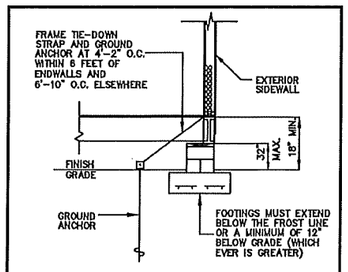
FOUNDATION NOTES:

1. ALL FOUNDATION CONSTRUCTION, MATERIALS, AND INSTALLATION SHALL BE IN ACCORDANCE WITH ALL APPLICABLE STATE AND LOCAL CODES.
2. TIE-DOWN STRAPS TO BE 1-1/4"x .035" TYPE-1, FINISH B, GRADE 1 ZINC COATED STEEL STRAPPING CERTIFIED BY A REGISTERED ENGINEER OR ARCHITECT AS CONFORMING WITH ASTM D3953-91. TIE DOWN STRAPS AND CONNECTING HARDWARE SHALL HAVE 3150# MINIMUM WORKING CAPACITY.
3. EACH GROUND ANCHOR SHALL HAVE A WORKING CAPACITY NO LESS THAN THE SUM OF THE REQUIRED WORKING CAPACITIES OF ALL TIE DOWN STRAPS CONNECTED TO THE GROUND ANCHOR, AND SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS. DESIGN OF GROUND ANCHOR, INCLUDING SHAFT LENGTH, NUMBER AND DIAMETER OF HELIXES, ETC., TO BE AS SPECIFIED BY THE GROUND ANCHOR MANUFACTURER FOR THE ACTUAL SOIL TYPE ENCOUNTERED. IF THE HOLDING OR PULLOUT CAPACITIES OF GROUND ANCHORS ARE BELOW THE ASSUMED DESIGN VALUES, THE ARCHITECT/ENGINEER MUST BE CONSULTED FOR AN ALTERNATE ANCHORAGE DESIGN.
4. THE FIRST TIE-DOWN STRAP FROM ENDWALLS SHALL NOT EXCEED 1/2 THE MAXIMUM SPACING INDICATED.
5. ALL PIERS SHALL BE CONSTRUCTED OF CONCRETE MASONRY UNITS CONFORMING TO ASTM C90. MASONRY UNITS SHALL BE LAID IN TYPE M OR S MORTAR OR COVERED WITH SURFACE BONDING CEMENT INSTALLED IN ACCORDANCE WITH ITS LISTING. PIER FOOTINGS SHALL BE AS DESCRIBED ABOVE.
6. MINIMUM CONCRETE FOOTING COMPRESSIVE STRENGTH 2,500 PSI AT 28 DAYS.
7. ALL REINFORCEMENT BARS SHALL COMPLY WITH ASTM A615, GRADE 60. REINFORCEMENT BARS SHALL BE EQUALLY SPACED AND PLACED WITH 3" CLEARANCE FROM BOTTOM AND SIDES OF THE FOOTING.
8. SEE SHEET 1 OF 7 FOR BUILDING DESIGN LOADS
9. I-BEAM SUPPORT PIERS MAY BE INSTALLED LATERALLY (90° FROM THE ORIENTATION SHOWN ON THE FOUNDATION PLAN). CENTERLINE OF EACH PIER MUST BE LOCATED DIRECTLY BELOW THE I-BEAM CENTERLINE.
10. SOIL BEARING CAPACITY SHOWN ON THIS PLAN IS ASSUMED. IF THE ACTUAL SOIL BEARING CAPACITY IS LESS THAN 2,000 PSF, THE ARCHITECT/ENGINEER MUST BE CONSULTED FOR REQUIRED ALTERNATE FOUNDATION DESIGN. FOOTINGS SHALL BE PLACED ON NON-EXPANSIVE SOILS ONLY.
11. INSTALL BLOCK PIER ON EACH SIDE OF ALL EXTERIOR DOOR OPENINGS. (MANUFACTURER'S RECOMMENDATION ONLY – OPTIONAL WHEN NOT SHOWN) SLIGHT ADJUSTMENT MAY BE REQUIRED TO INSURE OPENABILITY AFTER INSTALLATION OF BUILDING IS COMPLETE.
12. THE FOUNDATION DIMENSIONS SHOWN ON THE ABOVE LAYOUT ARE NOMINAL DIMENSIONS OF THE FACTORY BUILT MODULARS AND DO NOT ACCOUNT FOR GAPS BETWEEN MODULES THAT MAY OCCUR DURING INSTALLATION.. THE FOUNDATION DESIGNER, FOUNDATION CONTRACTOR AND MODULAR BUILDING INSTALLER MUST CONSULT TO DETERMINE IF ADJUSTMENTS TO PIER LOCATIONS ARE NEEDED TO ACCOUNT FOR TOLERANCES NEEDED DURING INSTALLATION OF THE BUILDING MODULES
13. THE AREA UNDER FOOTINGS AND FOUNDATIONS SHALL HAVE ALL VEGETATION, STUMPS, ROOTS, AND FOREIGN MATERIALS REMOVED PRIOR TO THEIR CONSTRUCTION.



SECTION Z–Z

ENDWALL TIEDOWN DETAIL



SECTION A–A

NOTE:
THE NUMBER OF PIERS SHOWN ON THIS FOUNDATION PLAN IS NO INDICATION OF THE AMOUNT OF PIERS REQUIRED AND NEEDED FOR THIS BUILDING. SEE MAXIMUM PIER SPACING CHART TO THE RIGHT FOR THE CORRECT NUMBER OF PIERS REQUIRED FOR EACH SOIL BEARING CAPACITY.

FOUNDATION DIMENSIONS

MAXIMUM PIER SPACING				MINIMUM SOIL BEARING CAPACITY
(A) SIDE WALLS	KIPP LOADS	(B) MATE LINE	KIPP LOADS	
9'–0"	5.85 K	6'–5"	7.2K	2000 PSF
9'–0"	5.85 K	9'–0"	10.1 K	3000 PSF
WIND SPEED: 170vult, 130 Vasd ROOF LIVE LOAD: 30 PSF				
BLDG. EXPOSURE: EXP. C			GRD. SNOW LOAD: 50 PSF	

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

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

MARYLAND SERIAL NO.: 8237-86

APPROVED **RADCO** APPROVED
May 07, 2020

Robert (Bob) Gregg. R.A.
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VALID STATE OF MARYLAND WALTER E. WOOD 15908 PROFESSIONAL ENGINEER — 05-07-2020

VALID NORTH CAROLINA PROFESSIONAL SEAL 044853 ENGINEER WALTER E. WOOD — 05-07-2020

VALID COMMONWEALTH OF VIRGINIA WALTER E. WOOD Lic. No. 57881 PROFESSIONAL ENGINEER — 05-07-2020

STATE OF NEW JERSEY ROBERT E. GREGG 15414 REGISTERED ARCHITECT

SPECIALIZED STRUCTURES INC.
2400 SPRINGHEAD CHURCH ROAD, WILLACOOCHEE, GA 31650
1-912-384-7565 FAX: 1-912-384-4943

DATE: 4-16-20	THIRD PARTY: RADCO 5801 BENJAMIN CENTER, SUITE 102 TAMPA, FLORIDA 33634 813-243-0370	
SCALE : NO SCALE		
CODES: SEE NOTES		
STATES: MD, VA, NJ, NC.	REVISIONS:	BY: W.E.W.
REFERENCE: 5637		
SSI5637–86 A/B 23'–4" x 34'–0" EDUCATION		SHEET 1 OF 1
FOUNDATION	DESTINATION: ABERDEN, MD	MD. PLAN NO: SSI 5637 MD