

ACCESSIBILITY NOTES:

1. ACCESS TO BUILDING FOR PERSONS IN WHEELCHAIRS IS DESIGNED BY AND FIELD BUILT BY OTHERS AND SUBJECT TO LOCAL JURISDICTION. THE PRIMARY ENTRANCE AND REQUIRED EXITS MUST BE ACCESSIBLE. ALL BUILDING ELEMENTS AND FACILITIES SHALL BE ACCESSIBLE IN ACCORDANCE WITH THE REFERENCE ACCESSIBILITY STANDARD(S) EXCEPT WHERE SPECIFICALLY EXEMPTED BY THE SCOPING REQUIREMENTS OF THE APPLICABLE CODE.
2. 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. AT LEAST 60% OF ALL PUBLIC ENTRANCES MUST BE ACCESSIBLE.
3. ALL SIGNS REQUIRED TO BE ACCESSIBLE BY THE SCOPING REQUIREMENTS OF THE APPLICABLE CODE SHALL COMPLY WITH THE APPLICABLE PORTIONS OF SECTION 703 OF THE ACCESSIBILITY CODE. ALL SUCH SIGNS ARE DESIGNED BY OTHERS, SITE INSTALLED AND SUBJECT TO THE APPROVAL OF THE JURISDICTION HAVING AUTHORITY.
4. ACCESSIBLE DRINKING FOUNTAINS SHALL HAVE A SPOUT OUTLET HEIGHT NO HIGHER THAN 36 INCHES ABOVE THE FLOOR AND SPOUT SHALL BE LOCATED 15 INCHES MINIMUM FROM THE VERTICAL SUPPORT AND 5 INCHES MAXIMUM FROM THE FRONT EDGE OF THE UNIT, INCLUDING BUMPERS. SPOUT SHALL PROVIDE A FLOW OF WATER 4 INCHES HIGH MINIMUM. ANGLE OF WATER STREAM SHALL BE IN ACCORDANCE WITH THE APPLICABLE ACCESSIBILITY CODE. DRINKING FOUNTAINS FOR STANDING PERSONS SHALL HAVE A SPOUT OUTLET HEIGHT 38 INCHES MINIMUM AND 43 INCHES MAXIMUM ABOVE THE FLOOR.
5. WHERE STORAGE FACILITIES SUCH AS CABINETS, SHELVES, CLOSETS, AND DRAWERS ARE PROVIDED AT LEAST ONE OF EACH 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); FOR AREAS WITH UNOBSTRUCTED REACH THE SPACE SHALL BE WITHIN 15 INCHES MINIMUM AND 48 INCHES MAXIMUM OF THE FLOOR; FOR HIGH FORWARD REACH AREAS WITH OBSTRUCTIONS THE CLEAR FLOOR SPACE SHALL EXTEND BENEATH THE ELEMENT FOR A DISTANCE NOT LESS THAN THE REQUIRED REACH DEPTH OVER THE OBSTRUCTION AND THE HEIGHT OF THE SPACE SHALL BE 48 INCHES MAXIMUM AND THE DEPTH OF THE SPACE SHALL BE 20 INCHES MAXIMUM EXCEPT THE DEPTH MAY BE 25 INCHES MAXIMUM IF THE HEIGHT IS 44 INCHES MAXIMUM; FOR HIGH SIDE REACH AREAS WITH OBSTRUCTIONS THE HEIGHT OF THE OBSTRUCTION SHALL BE 34 INCHES MAXIMUM AND THE DEPTH OF THE OBSTRUCTION SHALL BE 24 INCHES MAXIMUM AND IF THE REACH DEPTH EXCEEDS 10 INCHES THEN THE MAXIMUM REACH HEIGHT IS 46 INCHES; EXCEPT THE HEIGHT OF WASHING MACHINES AND DRYERS MAY BE 36 INCHES MAXIMUM.
6. CONTROLS, DISPENSERS, RECEPTACLES AND OTHER OPERABLE EQUIPMENT SHALL BE NO HIGHER THAN THE REACH HEIGHTS SPECIFIED IN NOTE 5 ABOVE AND 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.
7. WHERE EMERGENCY WARNING SYSTEMS ARE PROVIDED, THEY SHALL INCLUDE BOTH AUDIBLE AND VISUAL ALARMS. THE VISUAL ALARMS SHALL BE LOCATED THROUGHOUT, INCLUDING RESTROOMS, AND PLACED IN ACCORDANCE WITH NFPA 72.
8. DOORS TO ALL ACCESSIBLE SPACES SHALL HAVE ACCESSIBLE HARDWARE (I.E. LEVER-OPERATED, PUSH-TYPE, U-SHAPED) MOUNTED NO HIGHER THAN 48 INCHES ABOVE THE FLOOR.
9. FLOOR SURFACES SHALL BE STABLE, FIRM, AND SLIP-RESISTANT. CHANGES IN LEVEL BETWEEN 0.25 INCH AND 0.5 INCH SHALL BE BEVELED WITH A SLOPE NO GREATER THAN 1:2. CHANGES IN LEVEL GREATER THAN 0.5 INCH REQUIRE RAMPS. CARPET PILE THICKNESS SHALL BE 0.5 INCH MAX. GRATINGS IN FLOOR SHALL BE SPACES NO GREATER THAN 0.5 INCH WIDE IN ONE DIRECTION. DOORWAY THRESHOLDS SHALL NOT EXCEED 0.5 INCH IN HEIGHT.
10. ALL DOORS SHALL BE OPENABLE BY A SINGLE EFFORT. THE MAXIMUM FORCE REQUIRED TO OPEN A DOOR SHALL NOT EXCEED 8.5 LBS. FOR EXTERIOR SWINGING DOORS AND 5 LBS. FOR ALL SLIDING, FOLDING, AND INTERIOR SWINGING DOORS.
11. DOORS AND SIDELITES ADJACENT TO DOORS CONTAINING ONE OR MORE GLAZING PANELS THAT PERMIT VIEWING THROUGH THE PANELS SHALL HAVE THE BOTTOM OF AT LEAST ONE PANEL ON EITHER THE DOOR OR AN ADJACENT SIDELITE 43 INCHES MAXIMUM ABOVE THE FLOOR. VISION LITES WITH THE LOWEST PART MORE THAN 66 INCHES ABOVE THE FLOOR ARE EXEMPT FROM THIS REQUIREMENT.

MECHANICAL NOTES:

1. ALL SUPPLY AIR REGISTERS SHALL BE 10 INCHES X 10 INCHES ADJUSTABLE WITH 8 INCHES X 18 INCHES (INSIDE) OVERHEAD FIBERGLASS DUCT, UNLESS OTHERWISE SPECIFIED.
2. DUCTS LOCATED OUTSIDE THE BUILDING ENVELOPE INCLUDING ATTIC DUCTS LOCATED ABOVE CEILING INSULATION SHALL HAVE R-8 MINIMUM INSULATION VALUE. DUCTS LOCATED IN UNCONDITIONED SPACES INCLUDING ATTIC DUCTS LOCATED BELOW CEILING OR ROOF INSULATION SHALL HAVE R-6 MINIMUM INSULATION VALUE.
3. FIBERGLASS DUCTS SHALL BE CONSTRUCTED WITH CLASS 0 OR CLASS 1 DUCT MATERIAL IN ACCORDANCE WITH UL 181. FIBERGLASS DUCT CONSTRUCTION AND INSTALLATION SHALL CONFORM TO THE SMACNA FIBROUS GLASS DUCT CONSTRUCTION STANDARDS OR NAAMA FIBROUS GLASS DUCT CONSTRUCTION STANDARDS. METAL DUCTS SHALL BE CONSTRUCTED AS SPECIFIED IN THE SMACNA HVAC DUCT CONSTRUCTION STANDARDS - METAL AND FLEXIBLE. FLEXIBLE AIR DUCTS, BOTH FIBERGLASS AND METAL, SHALL BE TESTED IN ACCORDANCE WITH UL 181 AND SHALL BE LISTED AND LABELED AS CLASS 0 OR CLASS 1 FLEXIBLE AIR DUCT. ALL DUCTS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
4. INTERIOR DOORS SHALL BE UNDERCUT 1.5 INCHES ABOVE FINISHED FLOOR FOR AIR RETURN AND OR AS NOTED ON FLOOR PLAN.
5. VENT FANS SHALL BE DUCTED TO THE EXTERIOR AND TERMINATE AT AN APPROVED VENT CAP.
6. HVAC SYSTEM SHALL COMPLY WITH NFPA 90B.
7. THERMOSTATS SHALL BE PROGRAMMABLE AS REQUIRED BY THE APPLICABLE ENERGY CODE. IF PROGRAMMABLE THERMOSTATS ARE NOT INSTALLED IN THE FACTORY THEY SHALL BE PROVIDED BY THE BUILDING OWNER AND SITE INSTALLED BY OTHERS.
8. MECHANICAL ATTIC VENTILATION SHALL BE USED AS FOLLOWS:  
INSTALL FAN(S) CAPABLE OF EXHAUSTING AT LEAST 0.02 CFM PER SQUARE FOOT OF HORIZONTAL ATTIC AREA. EACH FAN SHALL EXHAUST 100 CFM MINIMUM. IN ADDITION, INSTALL GABLE AND/OR ROOF VENTS WITH AT LEAST 50 SQUARE INCHES OF NET FREE AREA PER FAN. THE FAN(S) AND GABLE OR ROOF VENTS SHALL BE POSITIONED SO AS TO ALLOW CROSS VENTILATION OF ALL ATTIC SPACES. EACH FAN SHALL BE AUTOMATICALLY CONTROLLED TO OPERATE WHEN THE RELATIVE HUMIDITY IN THE ATTIC EXCEEDS 60%. EACH FAN SHALL OPERATE ON 120 VOLT, 1ø POWER, 50 WATTS MAXIMUM. EACH BRANCH CIRCUIT SERVING A FAN SHALL BE EQUIPPED WITH A "SWD" TYPE BREAKER AT THE ELECTRICAL PANEL.
9. THIS BUILDING HAS BEEN DESIGNED TO COMPLY WITH THE FRESH AIR REQUIREMENTS OF THE APPLICABLE MECHANICAL CODE. THE HVAC SYSTEM MAY NOT BE CAPABLE OF CONTROLLING STANDARD HUMIDITY, COOLING AND HEATING COMFORT LEVELS DURING CERTAIN DESIGN CONDITIONS. BY ACCEPTANCE AND USE OF THIS BUILDING THE OWNER RELEASES THE BUILDING DESIGNER OF ALL LIABILITIES RELATING TO THIS ISSUE. IT IS THE BUILDING OWNERS RESPONSIBILITY TO OBTAIN REDESIGN AND MODIFICATION OF THE MECHANICAL SYSTEM IF ALTERNATE CONDITIONS ARE DESIRED BY THE OWNER OR REQUIRED BY THE JURISDICTION HAVING AUTHORITY.

GENERAL NOTES:

1. ALL CONSTRUCTION, MATERIALS, AND INSTALLATION SHALL BE IN ACCORDANCE WITH THE CODES SPECIFIED ON THESE DRAWINGS.
2. THESE PLANS INCLUDE DESIGN FOR THE FACTORY BUILT PORTION OF THE MODULAR STRUCTURE AND PORTIONS OF THE SITE BUILT CONSTRUCTION. THESE PLANS AND DESIGN PLANS FOR ALL ELEMENTS DESIGNATED TO BE DESIGNED BY OTHERS AND/OR SITE INSTALLED MUST BE SUBMITTED TO AND REVIEWED BY THE DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE (DESIGNER OF RECORD) FOR COMPATIBILITY WITH THE DESIGN OF THE OVERALL BUILDING PROJECT AS REQUIRED BY THE APPLICABLE CODES AND LAWS.
3. ALL PARTIES RESPONSIBLE FOR DESIGN WORK SHALL BE QUALIFIED AND LICENSED AS REQUIRED BY THE JURISDICTIONS HAVING AUTHORITY OR SHALL RETAIN SUCH QUALIFIED AND LICENSED ENTITIES TO PERFORM SUCH WORK.
4. TRANSPORTATION AND ERECTION OF THIS BUILDING IS DESIGNED BY OTHERS. ANY TRANSPORTATION AND/OR LIFTING ELEMENTS SHOWN IN THESE PLANS MUST BE EVALUATED BY TRANSPORTATION AND ERECTION DESIGNER FOR SUITABILITY.
5. REFER TO MANUFACTURER'S APPROVED SYSTEMS PACKAGE FOR ADDITIONAL CONSTRUCTION DETAILS AND SPECIFICATIONS NOT INCLUDED IN THESE PLANS.
6. REFER TO ATTACHED ENERGY CODE COMPLIANCE FORM AND CHECKLIST FOR ADDITIONAL ENERGY CODE CONSTRUCTION REQUIREMENTS NOT INCLUDED IN THESE PLANS.
7. 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. DOORS THAT OPEN INTO THE PATH OF EGRESS TRAVEL SHALL PARTIALLY OR FULLY OPEN IN SUCH A MANNER THAT THE CODE REQUIRED PATH OF EGRESS WIDTH IS NOT REDUCED TO LESS THAN ONE-HALF DURING THE COURSE OF THE SWING. WHEN FULLY OPEN, THE DOOR SHALL NOT PROJECT MORE THAN 7 INCHES INTO THE CODE REQUIRED WIDTH.
8. WHEN NOT SHOWN ON THE PLANS PROVISIONS FOR EXIT DISCHARGE LIGHTING (INCLUDING DUAL ELEMENT EXIT DISCHARGE EMERGENCY LIGHTING) ARE DESIGNED BY OTHERS AND THE RESPONSIBILITY OF THE BUILDING OWNER AND SUBJECT TO LOCAL JURISDICTION APPROVAL.
9. PORTABLE FIRE EXTINGUISHERS SHALL BE PROVIDED BY OTHERS AS REQUIRED BY THE IFC.
10. 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 GLASS.
11. WHERE EGRESS THROUGH INTERVENING SPACE(S) EXIST AND ARE PERMITTED, SUCH SPACE(S) SHALL PROVIDED A DISCERNABLE PATH OF EGRESS TRAVEL TO THE EXIT. THE PATH SHALL MEET ALL CODE REQUIRED EXIT ACCESS CRITERIA. ALL SUCH EGRESS IS SUBJECT TO INSPECTION AND APPROVAL BY THE JURISDICTION HAVING AUTHORITY.
12. INTERIOR NON-LOADBEARING PARTITIONS SHALL BE MINIMUM 2X4 SYP#2 STUDS AT 16 INCHES ON CENTER UNLESS OTHERWISE SPECIFIED.
13. THIS BUILDING SHALL NOT BE INSTALLED AT ANY LOCATION WHERE THE SNOW LOAD AS DETERMINED FROM LOCAL METEOROLOGICAL DATA EXCEEDS THE SNOW LOAD LISTED ON THESE PLANS.
14. THIS BUILDING IS NOT DESIGNED TO BE LOCATED IN A WIND BORNE DEBRIS REGION.
15. STRAPPING MUST BE TESTED AND/OR CERTIFIED TO VERIFY THE STRUCTURAL CAPACITY. APPROPRIATE DOCUMENTATION MUST BE ON FILE AT THE MODULAR BUILDING FACTORY.
16. ALL INTERIOR WALL AND CEILING FINISH MATERIALS SHALL BE CLASS A RATED IN ACCORDANCE WITH ASTM E 84 OR UL 723. WHERE CARPET IS USED FOR INTERIOR FLOOR COVERING IT SHALL BE OF CLASS 1 OR II MATERIALS IN ACCORDANCE WITH NFPA 253 AND SHALL COMPLY WITH THE DCCFF-1 "PILL TEST" (CPSI 16 CRF, PART 1630).
17. ALL DIMENSIONS SHOWN ON FLOOR PLAN ARE TO THE EDGE OF FRAMING MEMBERS UNLESS OTHERWISE SPECIFIED. WHERE "CLEAR" IS SPECIFIED THE DIMENSION IS TO THE FINISHED SURFACE. DIMENSIONS ARE TO THE CLOSEST EDGE OF ALL NON-WALL ELEMENTS SUCH AS COUNTERS AND FIXTURES. DIMENSIONS ARE TO THE FINISHED SURFACE OF PREFABRICATED RESTROOM DIVIDER PARTITIONS.

PLUMBING NOTES:

1. WHEN REQUIRED RESTROOM FACILITIES ARE NOT PROVIDED WITHIN THE BUILDING THEY SHALL BE LOCATED IN AN ADJACENT BUILDING OR SITE INSTALLED AND ARE SUBJECT TO THE APPROVAL AND INSPECTION BY THE JURISDICTION HAVING AUTHORITY. ALL SITE INSTALLED FACILITIES ARE DESIGNED BY OTHERS. THIS SHALL BE NOTED ON THE BUILDING DATA PLATE.
2. BUILDING OWNER ASSUMES ALL RESPONSIBILITY FOR DRINKING WATER FACILITIES, SERVICE SINK AND ALL OTHER REQUIRED PLUMBING FACILITIES NOT SHOWN ON FLOOR PLAN. ALL BUILDING OWNER PROVIDED FACILITIES ARE DESIGNED BY OTHERS.

FOUNDATION NOTE:

FOR FOUNDATION DESIGN REFER TO THE ATTACHED FOUNDATION PLANS PREPARED BY THE BUILDING DESIGNER. IF FOUNDATION PLANS ARE DESIGNED BY OTHERS, THE BUILDING DESIGNER SHALL NOT BE HELD RESPONSIBLE OR LIABLE FOR THE FOUNDATION DESIGN & THE CONSEQUENTIAL PERFORMANCE OF THE SUPERSTRUCTURE'S STRUCTURAL COMPONENTS AND SYSTEMS RELATING THERETO.

ELECTRICAL NOTES:

1. ALL EQUIPMENT SHALL BE LISTED BY UL FOR THE APPLICATION FOR WHICH IT IS USED AND ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE LISTING.
2. ALL CIRCUITS AND EQUIPMENT SHALL BE GROUNDED IN ACCORDANCE WITH THE APPROPRIATE ARTICLES OF THE NATIONAL ELECTRICAL CODE (NEC). ALL EQUIPMENT SHALL BE LISTED AND IDENTIFIED FOR USE WITH 75°C OR 90°C CONDUCTORS UNLESS OTHERWISE SPECIFIED.
3. 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.
4. 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.
5. THE SERVICE DISCONNECTING MEANS, MAIN ELECTRICAL PANEL, AND FEEDERS TO ALL PANELS ARE DESIGNED BY OTHERS, SITE INSTALLED AND SUBJECT TO LOCAL JURISDICTION APPROVAL.
6. THE FRONT SIDE OF ALL ELECTRICAL PANELS SHALL BE PROVIDED WITH A MINIMUM CLEAR WORKING SPACE DEPTH OF 36 INCHES PERPENDICULAR TO THE FACE OF THE PANEL AND A MINIMUM CLEAR WORKING SPACE WIDTH EQUAL TO THE PANEL WIDTH OR 30 INCHES, WHICHEVER IS GREATER, PARALLEL TO THE FACE OF THE PANEL. THE CLEAR WORKING SPACE SHALL NOT BE USED FOR STORAGE.
7. OVERCURRENT DEVICES (CIRCUIT BREAKERS) SHALL BE READILY ACCESSIBLE AND INSTALLED SO THAT THE CENTER OF THE GRIP OF THE OPERATING HANDLE, WHEN IN THE HIGHEST POSITION, IS NOT MORE THAN 6'-7" ABOVE THE STANDING SURFACE ADJACENT TO THE DEVICE LOCATION.
8. ALL CIRCUITS CROSSING OVER MODULE MATING LINE(S) SHALL BE SITE CONNECTED WITH APPROVED ACCESSIBLE JUNCTION BOXES OR CABLE CONNECTORS.
9. FIRE ALARM PULL STATION OPERABLE DEVICE SHALL BE LOCATED 42 TO 48 INCHES ABOVE FINISHED FLOOR. TOP OF FIRE ALARM HORN DEVICE SHALL BE LOCATED 30 INCHES MINIMUM ABOVE FINISHED FLOOR AND 8 INCHES MINIMUM BELOW CEILING, WHERE CEILING HEIGHT PERMITS. BOTTOM OF STROBE DEVICE SHALL BE LOCATED 80 INCHES MINIMUM AND 96 INCHES MAXIMUM ABOVE FINISHED FLOOR.
10. ALL RECEPTACLES INSTALLED IN WET LOCATIONS (EXTERIOR) SHALL HAVE WEATHER PROOF (WP) ENCLOSURES, THE INTEGRITY OF WHICH IS NOT AFFECTED WHEN AN ATTACHMENT PLUG CAP IS INSERTED OR REMOVED. IN ADDITION NONLOCKING RECEPTACLES SHALL BE LISTED WEATHER-RESISTANT TYPE.
11. ALL EXTERIOR LIGHTS SHALL BE EQUIPPED WITH PHOTOCELLS FOR AUTOMATIC SHUT-OFF WHEN DAYLIGHT IS AVAILABLE.
12. EMERGENCY LIGHTING SHALL BE CAPABLE OF PROVIDING INITIAL ILLUMINATION THAT IS AT LEAST AN AVERAGE OF 1 FOOT-CANDLE (1c) AND A MINIMUM OF 0.1 fc MEASURED ALONG THE PATH OF EGRESS AT THE FLOOR LEVEL. ILLUMINATION AT LEVELS SHALL BE PERMITTED TO DECLINE TO 0.6 fc AVERAGE AND A MINIMUM AT ANY POINT OF 0.06 fc AT THE END OF THE EMERGENCY LIGHT TIME DURATION. A MAXIMUM-TO-MINIMUM ILLUMINATION UNIFORMITY RATIO OF 40 TO 1 SHALL NOT BE EXCEEDED. THE EMERGENCY POWER SYSTEM SHALL PROVIDE POWER FOR A DURATION OF NOT LESS THAN 90 MINUTES.
13. WHEN A SINGLE RECEPTACLE IS INSTALLED ON AN INDIVIDUAL BRANCH CIRCUIT THE RECEPTACLE SHALL HAVE AN AMPERE RATING NOT LESS THAN THAT OF THE BRANCH CIRCUIT.
14. ELECTRICAL PANELS SHALL BE EQUIPPED WITH A MAIN BREAKER OF THE SAME SIZE AS THE PANEL UNLESS OTHERWISE SPECIFIED.
15. EXCEPT FOR AREAS REQUIRING 24 HOUR LIGHTING; SPACES WHERE PATIENT CARE IS RENDERED; AND SPACES WHERE AUTOMATIC LIGHTING SHUTOFF WOULD ENDANGER THE SAFETY OR SECURITY OF THE ROOM OR BUILDING, ALL INTERIOR LIGHTING SHALL BE CONTROLLED BY OCCUPANT SENSORS THAT TURN OFF THE 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 PERCENT POWER. EXCEPTION: FULL AUTOMATIC-ON CONTROLS SHALL BE PERMITTED TO CONTROL LIGHTING IN PUBLIC CORRIDORS, STAIRWAYS, RESTROOMS, PRIMARY BUILDING ENTRANCE AREAS AND LOBBIES, AND AREAS WHERE MANUAL-ON OPERATION WOULD ENDANGER THE SAFETY OR SECURITY OF THE ROOM OR BUILDING OCCUPANTS. LIGHTING SHALL INCORPORATE A MANUAL CONTROL TO ALLOW OCCUPANTS TO TURN LIGHTS OFF. MANUAL CONTROL SHALL BE READILY ACCESSIBLE AND LOCATED SO THE OCCUPANTS CAN SEE THE CONTROLLED LIGHTS. ALL CONTROLLED LIGHTING SHALL HAVE AT LEAST ONE CONTROL STEP BETWEEN 30% AND 70% OF FULL LIGHTING POWER IN ADDITION TO ALL OFF. CONTINUOUS DIMMING CONTROL MAY BE USED TO SATISFY THIS REQUIREMENT. EXCEPTION: CONTROL STEP IS NOT REQUIRED FOR LIGHTING IN CORRIDORS, ELECTRICAL/MECHANICAL ROOMS, PUBLIC LOBBIES, RESTROOMS, STAIRWAYS, STORAGE ROOMS, SPACES WITH ONLY ONE LUMINAIRE WITH RATED INPUT POWER LESS THAN 100 WATTS, AND SPACES WITH LIGHTING POWER ALLOWANCE OF LESS THAN 0.6 W/FT2.
16. IF REQUIRED OCCUPANT SENSORS FOR LIGHTING ARE NOT FACTORY INSTALLED THEN THEY SHALL BE SITE INSTALLED BY OTHERS AND SUBJECT TO THE APPROVAL OF THE JURISDICTION HAVING AUTHORITY.
17. IF OCCUPANT SENSORS FOR CONTROL OF 50% OF THE RECEPTACLES ARE NOT FACTORY INSTALLED THEN THEY SHALL BE SITE INSTALLED BY OTHERS AND SUBJECT TO THE APPROVAL OF THE JURISDICTION HAVING AUTHORITY.
18. ALL CIRCUITS POWERING UNSWITCHED LIGHTS SHALL BE PROTECTED BY "SWD" TYPE BREAKERS.
19. ALL RECEPTACLES IN AREAS ACCESSIBLE TO CHILDREN SHALL BE TAMPER RESISTANT TYPE.

SITE INSTALLED ITEMS:

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

1. THE COMPLETE FOUNDATION SUPPORT AND THE DOWN SYSTEM.
2. RAMPS, STAIRS AND GENERAL ACCESS TO THE BUILDING.
3. PORTABLE FIRE EXTINGUISHER(S).
4. SUB-FLOOR SANITARY DRAINAGE SYSTEM, BUILDING DRAINS, CLEANOUTS, AND HOOK-UP TO THE PLUMBING SYSTEM. FREEZE PROTECTION OF ALL WATER, SOIL AND WASTE PIPES LOCATED OUTSIDE OF THE BUILDING THERMAL ENVELOPE.
5. ELECTRICAL SERVICE HOOK-UP (INCLUDING FEEDERS) TO THE BUILDING.
6. THE SERVICE DISCONNECTING MEANS, MAIN ELECTRICAL PANEL, AND FEEDERS TO ALL PANELS.
7. ALL WIRING RUN TO EMPTY J-BOXES SHOWN ON ELECTRICAL PLAN.
8. REQUIRED OCCUPANT SENSORS THAT ARE NOT FACTORY INSTALLED.
9. ALL METAL FRAMING MEMBERS SHALL BE BONDED TO THE BUILDINGS ELECTRICAL SYSTEM. THE BUILDING OWNER IS RESPONSIBLE FOR RETAINING APPROPRIATELY QUALIFIED AND LICENSED ENTITIES TO DESIGN AND INSTALL REQUIRED BONDING.
10. DUAL ELEMENT EXTERIOR EXIT DISCHARGE LIGHTING WHEN NOT SHOWN ON PLANS.
11. EXTERIOR GLAZING PROTECTION.
12. GUTTERS & DOWN SPOUTS WHEN REQUIRED.
13. WATER-PRESSURE REDUCING VALVE, WATER-HAMMER ARRESTOR(S), AND WATER HEATER THERMAL EXPANSION DEVICE(S) WHEN REQUIRED.
14. PROGRAMMABLE THERMOSTATS IF NOT INSTALLED AT FACTORY.
15. DRINKING FOUNTAIN & SERVICE SINK WHEN NOT SHOWN ON FLOOR PLAN.
16. ALL SIGNS, INCLUDING TACTILE SIGNS, UNLESS OTHERWISE SPECIFIED.
17. CONNECTIONS OF ELECTRICAL CIRCUITS CROSSING OVER MODULE MATING LINE(S) - (MULTI-UNITS ONLY).
18. STRUCTURAL AND AESTHETIC INTERCONNECTIONS BETWEEN MODULES (MULTI-UNITS ONLY).
19. ANY AIR GAPS BETWEEN MODULES AT FLOOR AND CEILING LINES AND ANY OTHER PENETRATIONS THROUGH THE BUILDING ENVELOPE SHALL BE CAULKED, GASKETED, WEATHER-STRIPPED, WRAPPED OR OTHERWISE SEALED TO LIMIT UNCONTROLLED AIR MOVEMENT.
20. RODENT PROOFING IN ACCORDANCE WITH IBC APPENDIX F SHALL BE INSTALLED ON ALL BUILDINGS IN LOCATIONS WHERE THE JURISDICTION HAVING AUTHORITY HAS ADOPTED APPENDIX F. RODENT PROOFING IS DESIGNED BY OTHERS, SITE INSTALLED AND SUBJECT TO THE APPROVAL OF THE JURISDICTION HAVING AUTHORITY.
21. MANUAL FIRE ALARM SIGNALING SYSTEM.

BUILDING DATA NOTES:

1. CONSTRUCTION IS TYPE V-B, 2,800 GROSS SQUARE FEET.
2. OCCUPANCY IS EDUCATIONAL (AGES 12 YEARS AND OLDER).
3. MEANS OF EGRESS IS DESIGNED FOR AN OCCUPANT LOAD OF 1 PERSON PER 20 SQUARE FEET OF NET CLASSROOM FLOOR AREA. (34 OCCUPANTS PER CLASSROOM - 136 TOTAL OCCUPANTS).
4. FIRE RATING OF EXTERIOR WALLS IS 0 HOURS.
5. THIS BUILDING REQUIRES A FIRE SEPARATION DISTANCE OF 10 FEET OR MORE IN ACCORDANCE WITH TABLE 602 AND SECTION 705.3 OF THE IBC AND IS SUBJECT TO LOCAL JURISDICTION APPROVAL. THIS STRUCTURE SHALL HAVE A MINIMUM OF 60"-0" CLEARANCE FROM UNLIMITED AREA BUILDINGS.
6. THIS BUILDING SHALL HAVE A FIRE ALARM SYSTEM (PROTECTIVE FIRE DETECTION SYSTEMS, FIRE DETECTION SYSTEMS, ETC.) INSTALLED IN ACCORDANCE WITH NFPA-72. THE FIRE ALARM SYSTEM IS DESIGNED BY OTHERS, SITE INSTALLED AND SUBJECT TO THE APPROVAL OF THE LOCAL JURISDICTION HAVING AUTHORITY. THE FIRE ALARM CONTROL PANEL MUST BE INSTALLED IN A HIGHLY VISIBLE LOCATION ACCEPTABLE TO THE LOCAL JURISDICTION HAVING AUTHORITY. (THE FACP CANNOT BE INSTALLED IN A CLOSET OR BATHROOM).

VIRGINIA  
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. 20 PSF.

ROOF SNOW LOAD:  
A. GROUND SNOW LOAD: Pg = 30 PSF  
B. FLAT-ROOF SNOW LOAD: P<sub>f</sub> = 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 = P<sub>f</sub> 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): V<sub>ult</sub> = 115 MPH  
B. NOMINAL WIND SPEED (3-SEC GUST): V<sub>sed</sub> = 90 MPH  
C. RISK CATEGORY: I  
D. WIND EXPOSURE CATEGORY: Exp = C  
E. INTERNAL PRESSURE COEFFICIENT: GC<sub>pi</sub> = 0.18  
F. COMPONENT & CLADDING PRESSURES (ROOF 0 TO 7 DEG.):  
WALL ZONE 5: P<sub>ult</sub> = +/-38.6 PSF (Posd = +/-23.2 PSF)  
WALL ZONE 4: P<sub>ult</sub> = +/-31.2 PSF (Posd = +/-18.7 PSF)  
ROOF ZONE 3: P<sub>ult</sub> = -72.7 PSF (Posd = -43.6 PSF)  
ROOF ZONE 2: P<sub>ult</sub> = -48.3 PSF (Posd = -29.0 PSF)  
ROOF ZONE 1: P<sub>ult</sub> = -28.8 PSF (Posd = -17.3 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:  
S<sub>a</sub> = 0.48 S<sub>1</sub> = 0.12  
S<sub>ds</sub> = 0.45 S<sub>d1</sub> = 0.19  
E. SEISMIC DESIGN CATEGORY IS C.  
F. SEISMIC FORCE RESISTING SYSTEM IS A1.3.  
G. SIMPLIFIED SEISMIC ANALYSIS PROCEDURE HAS BEEN USED.  
H. RESPONSE MODIFICATION FACTOR R = 6.5.  
I. SEISMIC RESPONSE COEFFICIENT C<sub>s</sub> = 1/6.  
J. DESIGN BASE SHEAR V = 1.5K PER MODULE

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

CODE SUMMARY:						
STATE	BUILDING	ELECTRICAL	MECHANICAL	PLUMBING	ACCESSIBILITY	ENERGY
VIRGINIA	2012 IBC VA USBC	2011 NEC W/ VA REV.	2012 IMC W/ VA REV.	2012 IPC W/ VA REV.	2010 ADA, 09 ANSI A117.1 W/ VA REV.	ASHRAE 90.1-2010

**RADCO APPROVED**  
*May 22, 2017*

RESOURCES, APPLICATIONS, DESIGN & CONTROLS, INC.

EASTERN NATIONAL REGION

5801 BENJAMIN CENTER DRIVE, SUITE 102

TAMPA, FL 33637

(813) 243-0370 • O (813) 243-1314 • F

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THIRD PARTY DESIGN APPROVAL & INSPECTION AGENCY

05-21-2017

COMMONWEALTH OF VIRGINIA

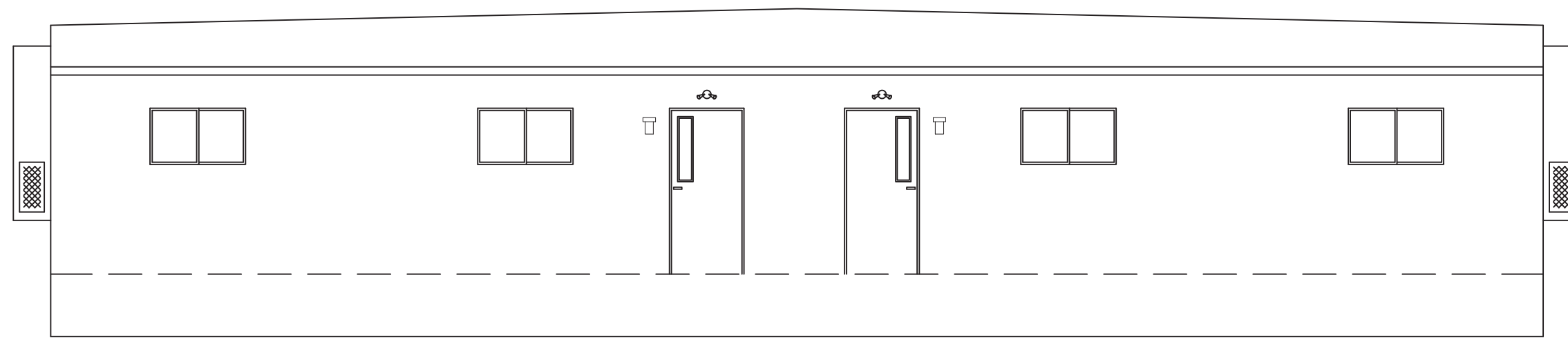
KENNETH A. GODFREY

Lic. No. 20536

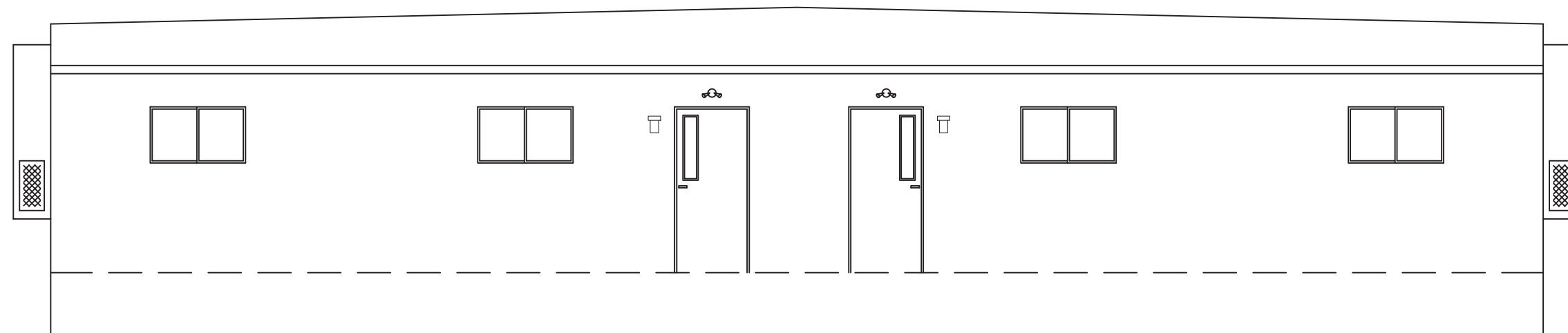
PROFESSIONAL ENGINEER

TITAN MODULAR SYSTEMS, INC.					
162 INDUSTRIAL DRIVE ALMA, GEORGIA 31510		(912) 832-3344			
DATE: 05/16/2017	KENNETH A. GODFREY, P.E. CONSULTING ENGINEER 490 RUSTIC BARN TRAIL MORGANTON, GA 30560				
SCALE : - N/A	REVISIONS:	BY: KAG.			
CODES: SEE SUMMARY	SHEET				
LABELS: RADCO., VA.					
BUILDING DESTINATION: HERNDON, VA.	1 OF 5				
TMS 3350-62 A/D					
COVER SHEET	KAG, NO. 051217MS				

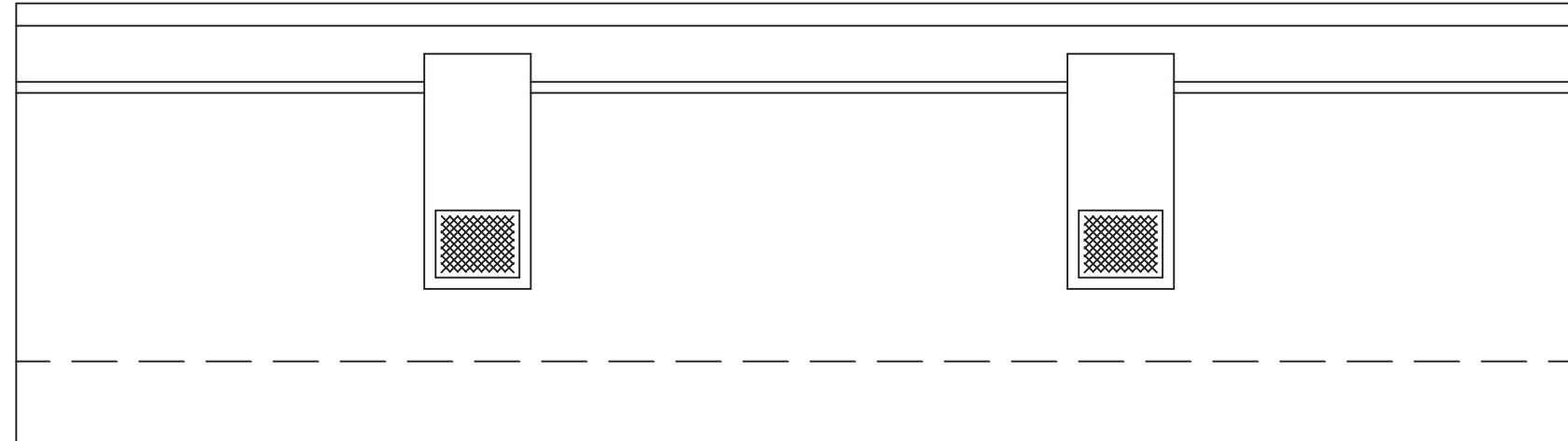




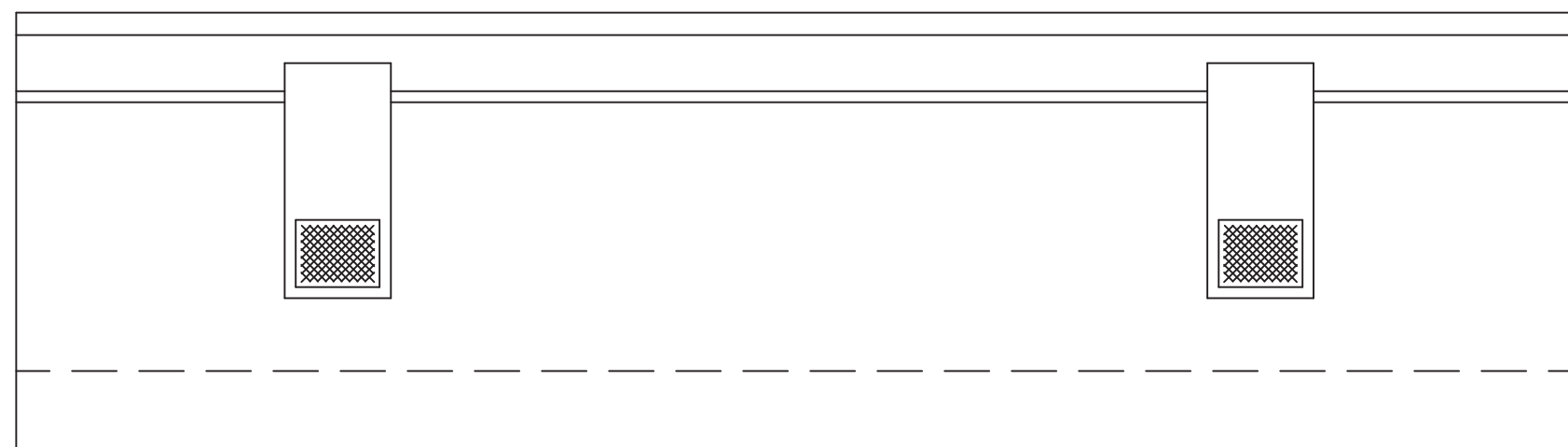
FRONT ELEVATION



REAR ELEVATION



LEFT ELEVATION



RIGHT ELEVATION

TYPICAL ELEVATION NOTES:

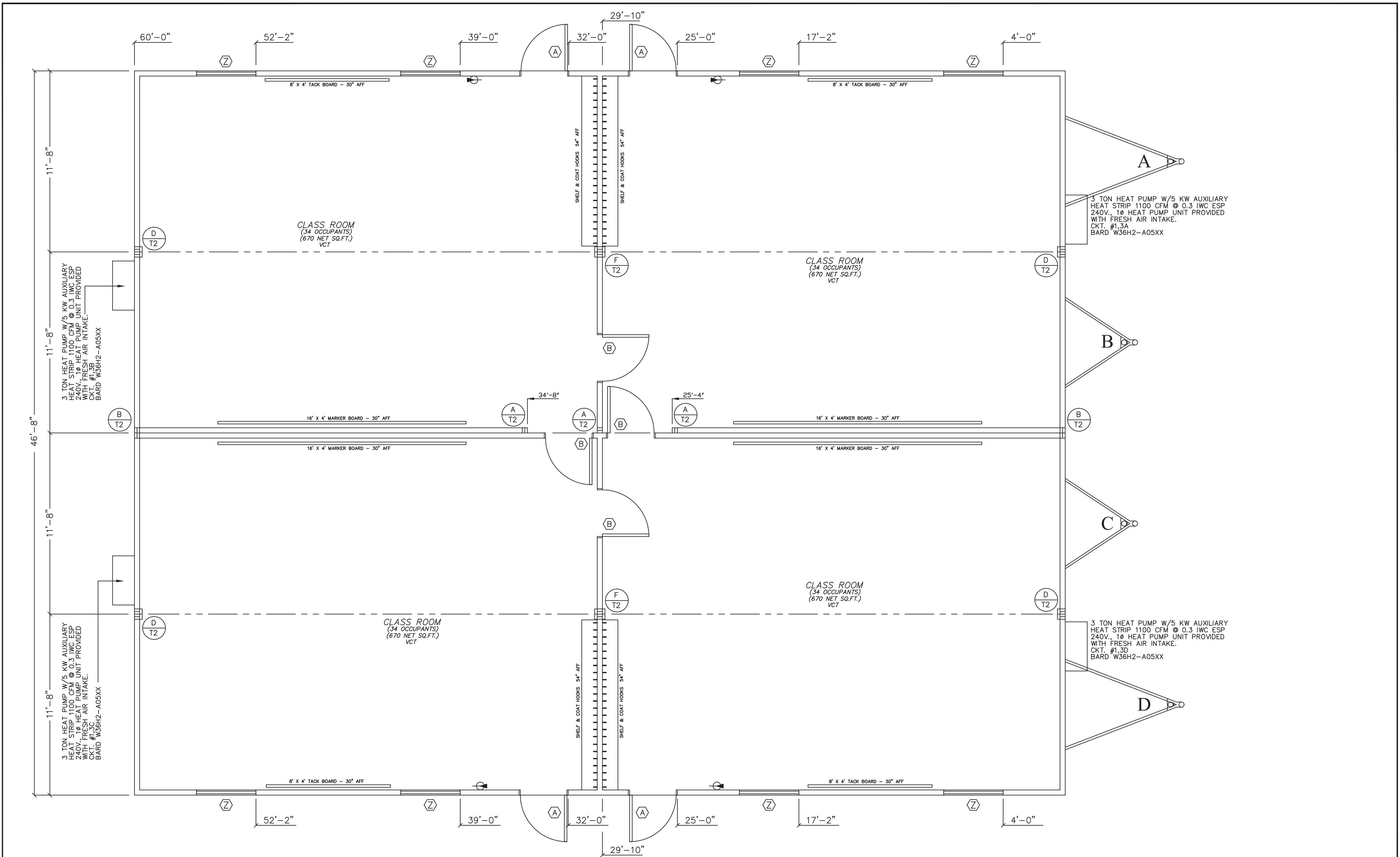
1. ALL SITE INSTALLED ITEMS ARE SUBJECT TO THE APPROVAL OF THE JURISDICTION HAVING AUTHORITY.
2. ACCESSIBLE RAMP(S), STAIR(S), AND HANDRAILS ARE DESIGNED BY OTHERS AND SITE INSTALLED.
3. FOUNDATION ENCLOSURE (IF PROVIDED) IS DESIGNED BY OTHERS AND SITE INSTALLED. ENCLOSURE MUST HAVE A MINIMUM NET AREA OF VENTILATION OPENINGS OF NOT LESS THAN ONE SQUARE FOOT FOR EACH 150 SQUARE FEET OF CRAWL SPACE AREA. LOCATE OPENINGS TO PROVIDE CROSS VENTILATION OF ENTIRE CRAWL SPACE. INSTALL AN 18" X 24" MINIMUM OPENING FOR CRAWL SPACE ACCESS.
4. SEE MECHANICAL NOTES AND/OR CROSS SECTION FOR METHOD OF ATTIC VENTILATION.



05-21-2017



TITAN MODULAR SYSTEMS, INC.			
162 INDUSTRIAL DRIVE ALMA, GEORGIA 31510 (912) 632-3344			
DATE: 05/16/2017	KENNETH A. GODFREY, P.E. CONSULTING ENGINEER 490 RUSTIC BARN TRAIL MORGANTON, GA 30560		
SCALE : 3/16" = 1'-0" BASED ON 24" X 18" PAPER SIZE	REVISIONS:		BY: KAG.
CODES: SEE SUMMARY			SHEET
LABELS: RADCO., VA.			2 OF 5
TMS 3350-62 A/D			
ELEVATIONS	KAG. NO. 051217TMS		



COLUMN & COLUMN STRAPPING LEGEND		COLUMN DESCRIPTIONS	
	INDICATES TYPE OF STUD	A	(2) 2x4 SYP #2 THIS HALF.
	INDICATES TYPE OF TIE DOWN STRAP	B	(2) 2x4 SYP #2 EACH HALF
	INDICATES WITH RIDGE BEAM BEARING STIFFENER (SEE RIDGE BEAM NOTES FOR SPECIFICATIONS)	D	(3) 2x4 SYP #2 EACH HALF.
TIE DOWN STRAP DESCRIPTIONS		F	(4) 2x4 SYP #2 EACH HALF.
T2 26 GA X 1-1/2" GALV. STEEL STRAP WITH (7) 14 OR 15 GA X 7/16" X 1-1/8" STAPLES EACH END.		NOTES: 1. ALL COLUMN STUDS SHALL BE NAILED TOGETHER PER NDS AND FASTENED TOGETHER WITH 100% PVA GLUE COVERAGE. 2. COLUMN STUDS SHALL NOT BE NOTCHED OR BORED. 3. INSTALL ONE TIE DOWN STRAP FROM RIDGE BEAM TO COLUMN AND FROM COLUMN TO FLOOR RIM JOIST FOR EACH STUD OF COLUMN. (ie: 4 STUD COLUMN WILL REQUIRE 4 TIE DOWN STRAPS) 4. STRAPS SHALL NOT BE OVERLAPPED OR DOUBLED UNLESS SPECIFIED OTHERWISE.	

DOOR SCHEDULE		WINDOW SCHEDULE	
	3680 - STEEL DOOR W/6"x30" SAFETY GLASS VIEW BLOCK - STEEL JAMB - CLOSER - LEVER HARDWARE		4627 - HORIZONTAL SLIDER DP 50 - INSULATED LOW-E TINTED GLASS BRONZE FRAME - VINYL MINI BLINDS
	3680 - HOLLOW CORE - 6 PANEL DOOR - WOOD JAMB - LEVER PASSAGE HARDWARE		

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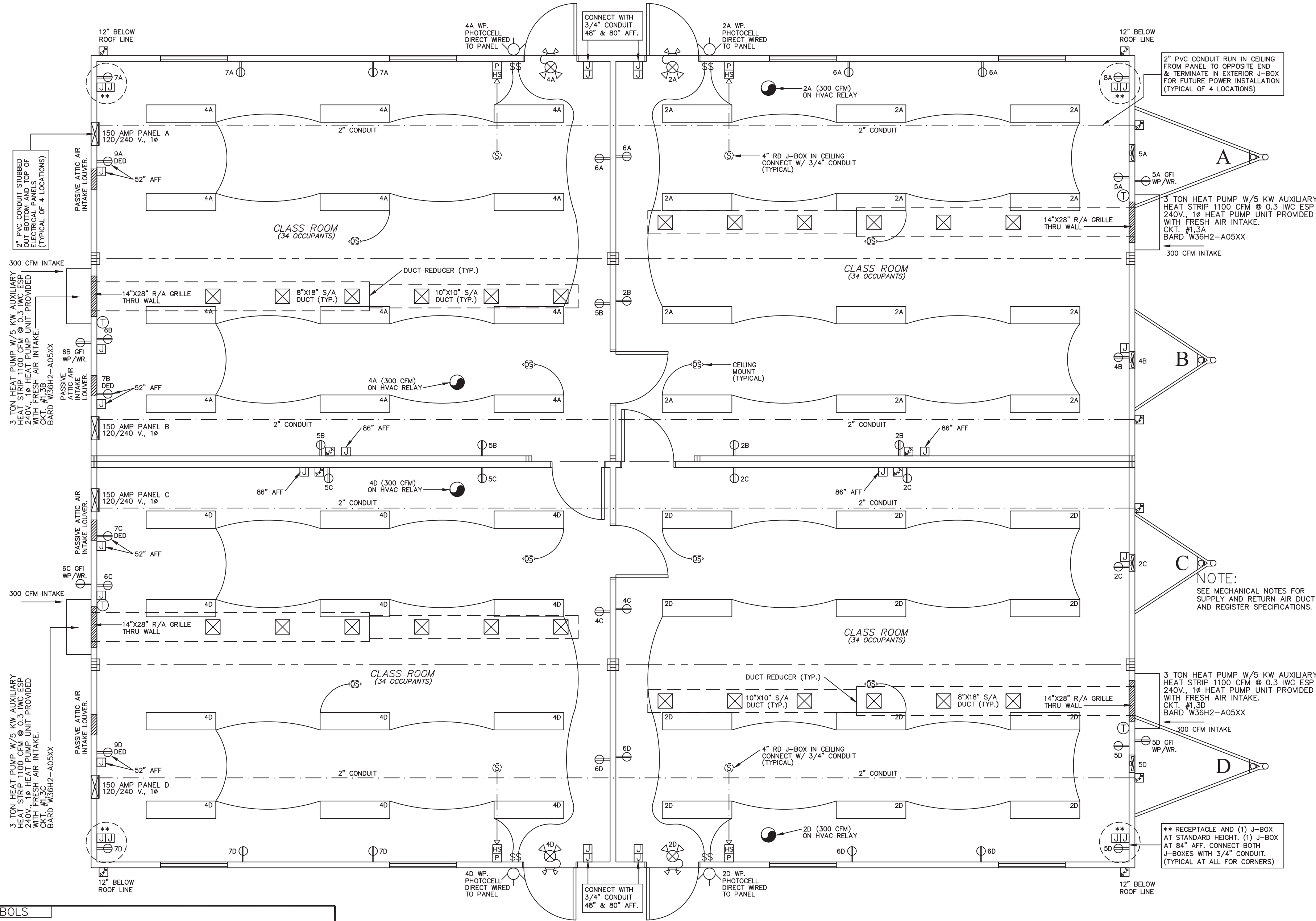
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COMMONWEALTH OF VIRGINIA

KENNETH A. GODFREY  
Lic. No. 20536

PROFESSIONAL ENGINEER

TITAN MODULAR SYSTEMS, INC.			
162 INDUSTRIAL DRIVE ALMA, GEORGIA 31510		(912) 632-3344	
DATE: 05/16/2017	KENNETH A. GODFREY, P.E. CONSULTING ENGINEER 490 RUSTIC BARN TRAIL MORGANTON, GA 30560		
SCALE : 1/4" = 1'-0" BASED ON 24" X 18" PAPER SIZE	REVISIONS:		BY:  KAG.
CODES: SEE SUMMARY			
LABELS: RADCO., VA.			
TMS 3350-62 A/D			SHEET
FLOOR PLAN		KAG. NO. 051217TMS	3 OF 5



ELECTRICAL SCHEDULE 'A'			
CIRCUIT	NOMENCLATURE	BREAKER (AMPS)	WIRE (CU.)
1,3A	HVAC	60 A (2P)	6-6-10 MC *
2,4-8A	LIGHTING/FANS & RECEPTACLES	20 A	12-2 NM
9A	DEDICATED CIRCUIT 1.9 KW 120V, 1Ø	20 A (1P)	12-2 NM

ELECTRICAL PANEL SIZING:		
DESCRIPTION	SUBPANEL 'A'	KVA
GENERAL LIGHTING		
.0035 KW/SF X 1400 SF X 1.25=		6.2
10 RECEPTS AT 180VA/1000=		1.8
2 FANS AT .3 KW X 1.25=		0.6
1 ATTIC FAN AT .05 KW X 1.25=		0.06
HVAC		
(1) DED. CKT. AT 1.9 KW X 1.25=		2.4
TOTAL 20.9 KW		
TOTAL/240 X 1000=	88 AMPS	
INSTALL 150 AMP PANEL & MAIN BREAKER		
120/240 V 1Ø		

ELECTRICAL SCHEDULE 'B'			
CIRCUIT	NOMENCLATURE	BREAKER (AMPS)	WIRE (CU.)
1,3B	HVAC	60 A (2P)	6-6-10 MC *
2,4-6B	ATTIC FANS & RECEPTACLES	20 A	12-2 NM
7B	DEDICATED CIRCUIT 1.9 KW 120V, 1Ø	20 A (1P)	12-2 NM

ELECTRICAL PANEL SIZING:		
DESCRIPTION	SUBPANEL 'B'	KVA
GENERAL LIGHTING		
.0035 KW/SF X 0-0-0 SF X 1.25=		---
9 RECEPTS AT 180VA/1000=		1.7
0 FANS AT .3 KW X 1.25=		---
1 ATTIC FAN AT .05 KW X 1.25=		0.06
HVAC		
(1) DED. CKT. AT 1.9 KW X 1.25=		2.4
TOTAL 13.8 KW		
TOTAL/240 X 1000=	58 AMPS	
INSTALL 150 AMP PANEL & MAIN BREAKER		
120/240 V 1Ø		

ELECTRICAL SCHEDULE 'C'			
CIRCUIT	NOMENCLATURE	BREAKER (AMPS)	WIRE (CU.)
1,3C	HVAC	60 A (2P)	6-6-10 MC *
2,4-6C	ATTIC FANS & RECEPTACLES	20 A	12-2 NM
7C	DEDICATED CIRCUIT 1.9 KW 120V, 1Ø	20 A (1P)	12-2 NM

ELECTRICAL PANEL SIZING:		
DESCRIPTION	SUBPANEL 'C'	KVA
GENERAL LIGHTING		
.0035 KW/SF X 0-0-0 SF X 1.25=		---
9 RECEPTS AT 180VA/1000=		1.7
0 FANS AT .3 KW X 1.25=		---
1 ATTIC FAN AT .05 KW X 1.25=		0.06
HVAC		
(1) DED. CKT. AT 1.9 KW X 1.25=		2.4
TOTAL 13.8 KW		
TOTAL/240 X 1000=	58 AMPS	
INSTALL 150 AMP PANEL & MAIN BREAKER		
120/240 V 1Ø		

ELECTRICAL SCHEDULE 'D'			
CIRCUIT	NOMENCLATURE	BREAKER (AMPS)	WIRE (CU.)
1,3D	HVAC	60 A (2P)	6-6-10 MC *
2,4-7D	LIGHTING/FANS & RECEPTACLES	20 A	12-2 NM
8D	OPEN/SPARE		
9D	DEDICATED CIRCUIT 1.9 KW 120V, 1Ø	20 A (1P)	12-2 NM

ELECTRICAL PANEL SIZING:		
DESCRIPTION	SUBPANEL 'D'	KVA
GENERAL LIGHTING		
.0035 KW/SF X 1400 SF X 1.25=		6.2
10 RECEPTS AT 180VA/1000=		1.8
2 FANS AT .3 KW X 1.25=		0.6
1 ATTIC FAN AT .05 KW X 1.25=		0.06
HVAC		
(1) DED. CKT. AT 1.9 KW X 1.25=		2.4
TOTAL 20.9 KW		
TOTAL/240 X 1000=	88 AMPS	
INSTALL 150 AMP PANEL & MAIN BREAKER		
120/240 V 1Ø		

\* INSULATION ON WIRING IN MC CABLE SHALL BE RATED FOR 90° C.

#### SYMBOLS

- DUPLEX RECEPTACLE 120 V.
- SWITCH
- OCCUPANT SENSOR
- EXTERIOR WEATHER PROTECTED WALL PACK INCANDESCENT LIGHT W/ PHOTOCELL WITH 1 - 60 WATT MAX. BULB
- VENT FAN
- 1X4 LED PANEL FIXTURE W/ INSTANT START BALLAST (REFER TO ENERGY FORM FOR LIGHTING WATTAGE)
- COMBO INTERNALLY LIGHTED EXIT SIGN (S.W.) & EMERGENCY LIGHT WITH BATTERY BACKUP
- EXTERIOR EMERGENCY LIGHT (DUAL ELEMENT)
- ATTIC EXHAUST FAN, SEE MECHANICAL NOTES
- SUPPLY AIR REGISTER
- PROGRAMMABLE THERMOSTAT
- 10# ABC FIRE EXTINGUISHER

- J-BOXES ONLY**
- 2X4 JUNCTION BOX FOR FIRE ALARM PULL STATION BOTTOM OF BOX AT 44" AFF.
  - 2X4 JUNCTION BOX FOR FIRE ALARM HORN/STROBE BOTTOM OF BOX AT 88" AFF.
  - 2X4 JUNCTION BOX FOR FIRE ALARM STROBE LIGHT BOTTOM OF BOX AT 88" AFF.
  - 2X4 JUNCTION BOX 16" AFF. NON POWERED UNLESS CIRCUIT NO. 15 IS SHOWN
  - 4X4 JUNCTION BOX, NON POWERED UNLESS CIRCUIT NO. 15 IS SHOWN
  - 4" DIA. JUNCTION BOX, CEILING MOUNTED NON POWERED UNLESS CIRCUIT NO. 15 IS SHOWN
- NOTE:  
ALL JUNCTION BOXES ARE TO HAVE A 3/4" CONDUIT DROP STUBBED THRU FLOOR UNLESS OTHERWISE NOTED ON PLAN

#### NOTES:

- SEE MECHANICAL NOTES FOR SUPPLY AND RETURN AIR DUCT AND REGISTER SPECIFICATIONS.
- FAN HVAC RELAYS CONNECT TO HVAC UNIT LOCATING IN THE SAME MODULE AS FAN. FANS SHALL OPERATE WHEN HVAC UNITS ARE IN USE.

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May 22, 2017  
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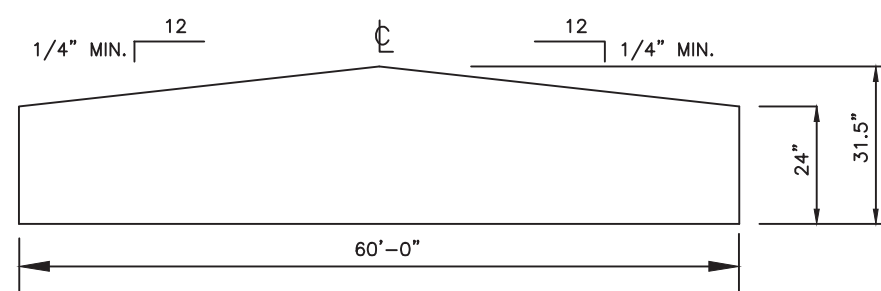
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SCALE: 1/4" = 1'-0" BASED ON 24" X 18" PAPER SIZE	REVISIONS:		BY:  KAG.
CODES: SEE SUMMARY			
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TMS 3350-62 A/D			SHEET
ELECTRICAL & MECHANICAL PLAN		KAG. NO. 051217TMS	4 OF 5



MATE LINE(S): A/B & C/D;  
4 LAYERS 3/4" X 24" PLYWOOD RATED SHEATHING, EXP. 1, STRUCTURAL. I, 5 PLY/5 LAYER, 48/24 INDEX,  
EACH SIDE OF MATE LINE CONTINUOUS ENTIRE LENGTH OF BUILDING.

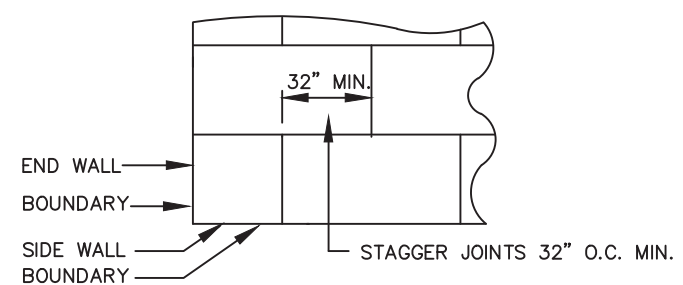
MATE LINE(S): B/C;  
2 LAYERS 3/4" X 24" PLYWOOD RATED SHEATHING, EXP. 1, STRUCTURAL. I, 5 PLY/5 LAYER, 48/24 INDEX,  
EACH SIDE OF MATE LINE CONTINUOUS OVER ALL CLEAR SPANS AND OVER ALL SUPPORT COLUMNS.

1. PLYWOOD FACE GRAIN MUST BE PARALLEL TO DIRECTION OF RIDGE BEAM SPAN.
2. ALL PLYWOOD BUTT JOINTS MUST BE STAGGERED 24" APART MINIMUM.
3. ALL RIDGE BEAM LAMINATIONS MUST BE THE SAME DEPTH, THICKNESS AND GRADE OF PLYWOOD. NO LUMBER OR PLYWOOD FLANGES ARE PERMITTED.
4. PLYWOOD MUST BE MANUFACTURED IN ACCORDANCE WITH PS 1-95.
5. PLYWOOD LAMINATIONS ON EACH SIDE OF THE MATE LINE MUST BE GLUE-NAILED TO ADJACENT LAYERS IN ACCORDANCE WITH PDS SUPPLEMENT #5, WITH AN ADHESIVE COMPLYING WITH ASTM D4689 TYPE 1 OR D4689 OR D2559. SEE APPROVED PACKAGE FOR MECHANICAL FASTENER SPECIFICATIONS AND SPACING REQUIREMENTS.
6. PLYWOOD MUST NOT BE TREATED WITH A FIRE RETARDANT PROCESS.
7. MOISTURE CONTENT MUST BE LESS THAN 16%.
8. RIDGE BEAM MUST EXTEND CONTINUOUSLY OVER ENTIRE LENGTH OF ALL SUPPORT COLUMNS & HEADERS.
9. INSTALL 2X4 SP#43 MINIMUM RIDGE BEAM BEARING STIFFENER OVER SUPPORT COLUMNS & HEADERS WHEN SPECIFIED ON FLOOR PLAN. STIFFENER HEIGHT SHALL NOT BE LESS THAN RIDGE BEAM HEIGHT MINUS 4 INCHES. FASTEN THE FACE OF THE STIFFENER TO THE RIDGE BEAM WITH 100% GLUE COVERAGE AND (6) 16 GA. X 2-1/2" STAPLES.



LONGITUDINAL ROOF PROFILE  
nts.

APPROVED TRUSS DESIGN:  
TRUSS MFG. UNIVERSAL FOREST PRODUCTS  
TRUSS DWG. NO. F227418



ROOF SHEATHING SHALL BE INSTALLED WITH FACE GRAIN PERPENDICULAR TO TRUSS SPANS. \* ALL PANEL JOINTS PARALLEL TO TRUSS/RAFTER SPAN DIRECTION SHALL BE LOCATED OVER TRUSS/RAFTER.

ALL FASTENERS SHALL BE 15 GA. X 7/16" CROWN X 1-3/4" STAPLES. STAPLE CROWNS SHALL BE INSTALLED PARALLEL TO THE LONG DIMENSION OF THE SUPPORTING FRAMING MEMBER AND SHALL BE DRIVEN FLUSH WITH THE SURFACE OF THE SHEATHING.

4" O.C. AT BOUNDARIES.  
6" O.C. AT ALL OTHER EDGES.  
6" O.C. AT FIELD LOCATIONS WITHIN 4'-0" OF ROOF EXTERIOR EDGE  
FOR THE FIRST 4'-0" FROM EACH ROOF CORNER (ZONE 3);  
10" O.C. AT FIELD LOCATIONS IN AREAS WITHIN 4'-0" FROM ALL  
OTHER ROOF EXTERIOR EDGES (ZONE 2);  
12" O.C. AT ALL OTHER FIELD LOCATIONS (ZONE 1).

### ROOF SHEATHING DETAIL

1. UNLESS OTHERWISE SPECIFIED ALL STEEL SHALL COMPLY WITH ASTM A36, YIELD STRENGTH 36 KSI.
2. ALL LAG SCREWS SHALL COMPLY WITH ANSI/ASME B18.2.1. Fyb = 60 KSI MINIMUM.
3. SEE FOUNDATION PLAN FOR PIER AND TIE DOWN ANCHORAGE LOCATIONS, ORIENTATIONS AND SPECIFICATIONS.
4. WHERE 1" STAPLES ARE SPECIFIED THIS SHALL MEAN 1" PENETRATION INTO HOLDING MEMBER.
5. FOR THE DOWN STRAP FASTENERS PROVIDE 3/4" MINIMUM SPACE BETWEEN ALL STAPLES AND 1" MINIMUM SPACE BETWEEN ALL NAILS UNLESS OTHERWISE PERMITTED BY STRAP MANUFACTURER'S LISTING. ALL FASTENERS SHALL BE INSTALLED IN CENTER 1/3RD OF STRAP WIDTH. NO MORE THAN ONE FASTENER SHALL BE INSTALLED THROUGH ANY SECTION OF STRAP WIDTH. (DO NOT INSTALL FASTENERS SIDE BY SIDE) IN NO CASE SHALL SPLITTING OF WOOD BE PERMITTED.
6. WHERE KRAFTBAK OR OTHER VAPOR RETARDERS ARE SPECIFIED THEY SHALL BE INSTALLED ON THE INTERIOR SIDE OF THE ASSEMBLIES UNLESS OTHERWISE SPECIFIED.
7. ALL VAPOR RETARDERS ON EXPOSED INSULATION SHALL BE FOIL FACE TYPE VAPOR RETARDERS WITH A FLAMESPREAD RATING < 25 AND SMOKE DEVELOPED RATING < 450.
8. INSULATION SHALL BE FIBERGLASS BATT BY OWENS CORNING OR JAMES MANVILLE OR EQUAL INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
9. SEE GENERAL NOTES ON COVER SHEET FOR INTERIOR FINISH MATERIAL FINISH RATING CLASSIFICATIONS.

1. ALL ROOFING AND SIDING MATERIALS SHALL BE INSTALLED IN ACCORDANCE WITH THE PRODUCTS MANUFACTURER'S INSTALLATION INSTRUCTIONS.
2. ROOFING AND SIDING MATERIALS AND THEIR FASTENINGS SHALL BE DESIGNED TO RESIST THE COMPONENT WIND LOAD SHOWN ON THE COVER SHEET.
3. ALL ROOF COVERINGS SHALL MEET CLASS C OR BETTER REQUIREMENTS.
4. WALL FINISH SHALL BE INSTALLED OVER APPROVED WEATHER-RESISTIVE BARRIER AND BRACING MATERIAL.
5. WEATHER-RESISTIVE BARRIER BEHIND WALL COVERING SHALL BE A MINIMUM OF ONE LAYER OF NO. 15 ASPHALT FELT COMPLYING WITH ASTM D 226 FOR TYPE I FELT OR OTHER APPROVED MATERIALS. BARRIER SHALL BE ATTACHED TO SUPPORTS LOCATED DIRECTLY BEHIND WALL COVERING AS DESCRIBED IN SECTION 1405.4 OF IBC IN SUCH A MANNER AS TO PROVIDE A CONTINUOUS WEATHER-RESISTIVE BARRIER. THE WEATHER-RESISTIVE BARRIER SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.

CEILING - 1/2 INCH GYPSUM INSTALLED PER MANUFACTURER'S SPECIFICATIONS, (SEASPRAY FINISH) WHEN SUPPORTS ARE 24" O.C. GOLD BOND 1/2 INCH HIGH STRENGTH CEILING BOARD INSTALLED PER MANUFACTURER'S SPECIFICATIONS SHALL BE USED.

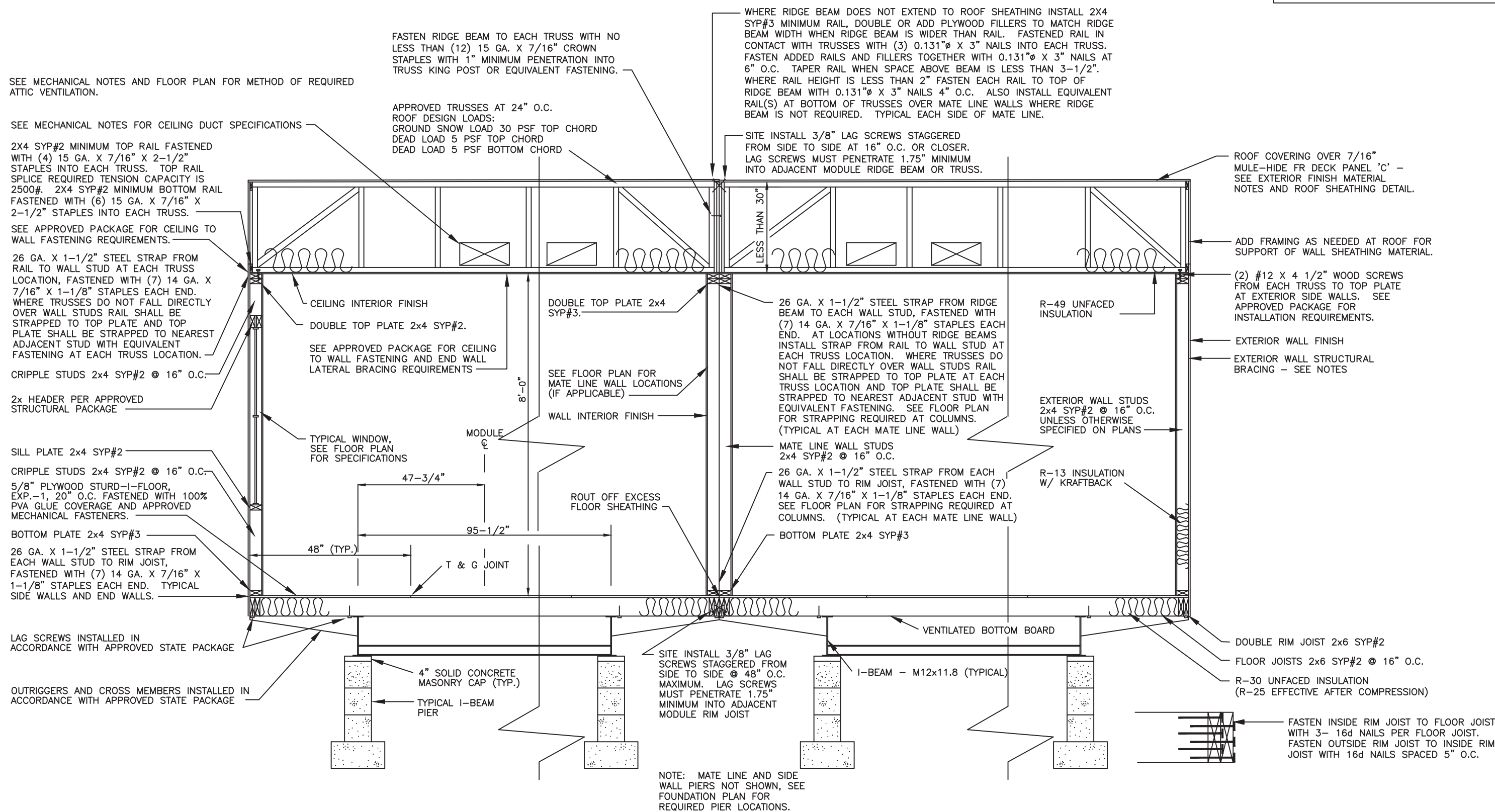
WALL - 1/2 INCH VINYL COVERED GYPSUM BOARD.

FLOOR - VINYL BLOCK TILE OR LINOLEUM IN RESTROOMS AND OTHER WET AREAS; CARPET, VINYL BLOCK TILE, OR LINOLEUM INSTALLED IN ALL OTHER AREAS.

ROOF - MULE-HIDE 60 MIL EPDM RECOGNIZED BY ICC ES ESR-1463 OVER 7/16"  
MULE-HIDE FR DECK PANEL 'C' FULLY ADHERED TO UNDERLAYER WITH ICC-ES ESR-1776.  
IN LIEU OF 7/16" MULE-HIDE FR DECK PANEL 'C', 15/32" MULE-HIDE PYROXL ROOF DECK  
PANEL INSTALLED ACCORDANCE WITH ICC-ES ESR-1776 MAY BE USED.

WALL - 29 GAUGE D-RIB 3/4" X 36" PANEL BY DOUGLAS METAL ROOFING. FASTEN PANEL TO 7/16" OSB WITH #9-15 X 1-1/2" HHW SCREWS WITH BONDING WASHERS BY SFS INTEC. INSTALL FASTENERS IN HORIZONTAL ROWS LOCATED AT TOP PLATE AND BOTTOM PLATE AND 30.75" O.C. IN BETWEEN. INSTALL A FASTENER ON EACH SIDE OF EACH RIB. RIBS ARE 9" O.C. (EQUIVALENT FASTENER SPACING IS 4-1/2" O.C.). SEE FORCE ENGINEERING & TESTING INC. PROJECT NO. 124-00047-07 TEST REPORT FOR ADDITIONAL INFORMATION.

END WALLS AND SIDE WALLS:  
BRACING INSTALLATION:  
STRUCTURAL SHEATHING SHALL EXTEND CONTINUOUS FROM TOP OF TRUSS TOP CHORD TO  
BOTTOM OF FLOOR RIM JOIST WITH ALL SHEATHING EDGES SUPPORTED BY 2" NOMINAL  
LUMBER OF THE SAME SIZE AND SPECIE AS EXTERIOR WALL FRAMING.  
BRACING MATERIAL:  
7/16" OSB RATED SHEATHING, EXP-1, FASTENED WITH 0.131"Ø x 2-1/2" GALV. NAILS AT 6"  
O.C. EDGES AND 6" O.C. IN THE FIELD.



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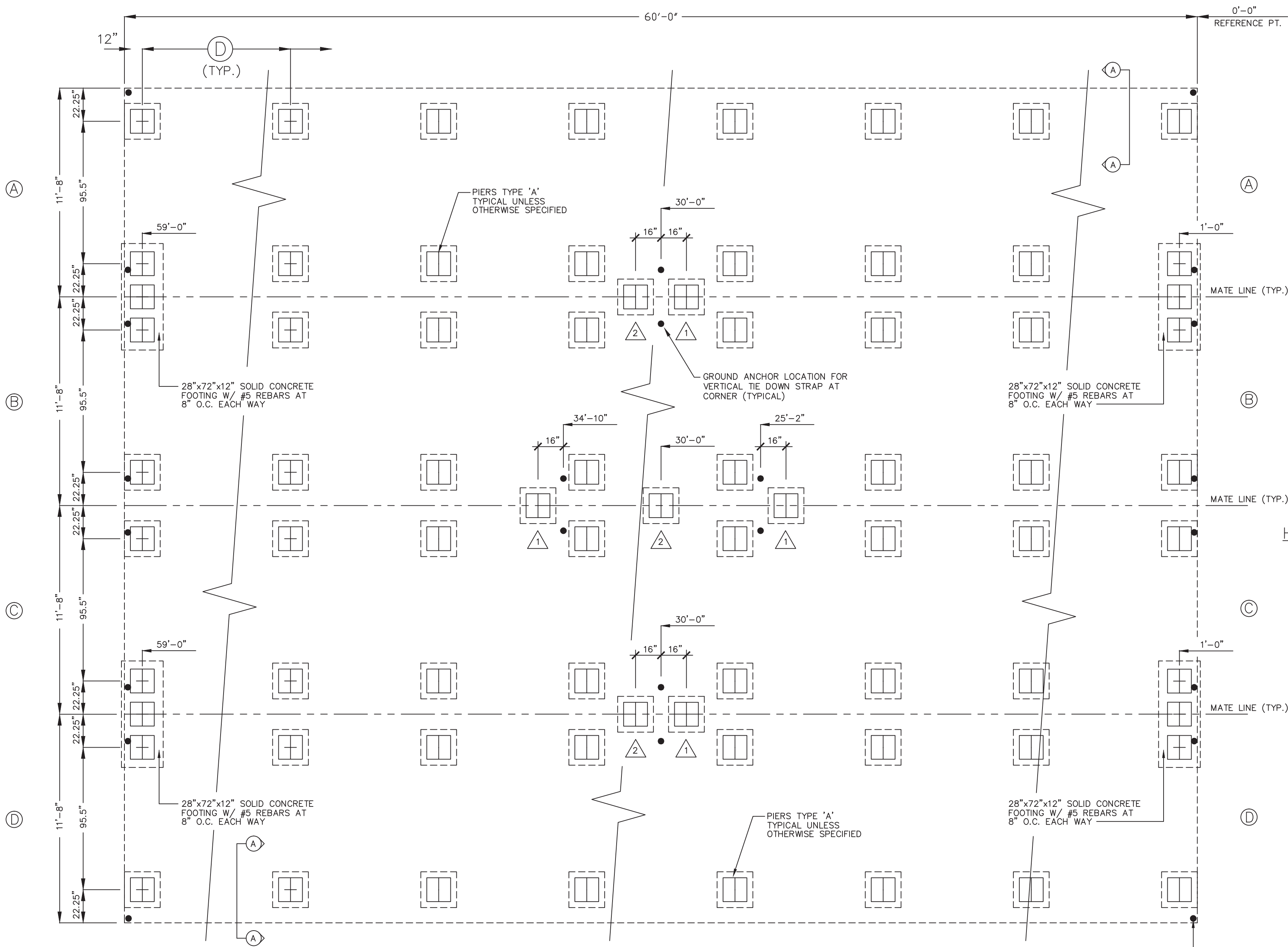
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<p align="center"><b>TITAN MODULAR SYSTEMS, INC.</b></p> <p align="center">162 INDUSTRIAL DRIVE ALMA, GEORGIA 31510 (912) 632-3344</p>			
DATE: 05/16/2017		KENNETH A. GODFREY, P.E. CONSULTING ENGINEER 490 RUSTIC BARN TRAIL MORGANTOWN, GA 30560	
SCALE : -NTS.-		REVISIONS:	
CODES: SEE SUMMARY		BY:  KAG.	
LABELS: RADCO., VA.			
TMS 3350-62 A/D			SHEET
CROSS SECTION		KAG. NO. 051217TMS	5 OF 5



**VIRGINIA**  
**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. 20 PSF.

ROOF SNOW LOAD:  
A. GROUND SNOW LOAD:  $P_g = 30$  PSF  
B. FLAT-ROOF SNOW LOAD:  $P_f = 23.1$  PSF  
C. SNOW EXPOSURE FACTOR:  $C_e = 1.0$   
D. SNOW IMPORTANCE FACTOR:  $I_s = 1.0$   
E. SNOW THERMAL FACTOR:  $C_t = 1.1$   
F. ROOF SLOPE FACTOR:  $C_s = 1.0$   
G. SLOPED ROOF SNOW LOAD:  $P_s = P_f \times C_s$   
H. DESIGN IS BASED ON FULL OR PARTIALLY EXPOSED ROOF PER ASCE 7-10.

WIND LOAD:  
A. ULTIMATE WIND SPEED (3-SEC GUST):  $V_{ult} = 115$  MPH  
B. NOMINAL WIND SPEED (3-SEC GUST):  $V_{nom} = 90$  MPH  
C. RISK CATEGORY: II  
D. WIND EXPOSURE CATEGORY: EXP. = C  
E. INTERNAL PRESSURE COEFFICIENT:  $GCP_i = 0.18$   
F. THIS BUILDING IS NOT DESIGNED FOR PLACEMENT ON THE UPPER HALF OF A HILL OR ESCARPMENT EXCEEDING 15 FEET IN HEIGHT.  
G. BUILDING DESIGN IS BASED ON "ENCLOSED" CLASSIFICATION.  
H. 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:  
 $S_s = 0.48$   $S_1 = 0.12$   
 $S_{ds} = 0.45$   $S_{d1} = 0.19$   
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  $C_s = N/A$ .  
J. DESIGN BASE SHEAR  $V = 1.5K$  PER MODULE.

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

NOTE:  
PIERS ARE REQUIRED AT LOCATIONS WITH EXACT DIMENSIONS (TYPICAL)

NOTE:  
CENTER TO CENTER PIER SPACING'S SHOWN REPRESENT MAXIMUM PIER SPACING BETWEEN PIER'S AT END WALLS AND PIER'S AT SPECIFIED INTERIOR LOCATIONS. PIER SIZES AND LOCATIONS ARE NOT TO SCALE. (TYPICAL)

**RADCO APPROVED**  
*May 22, 2017*  
RESOURCES, APPLICATIONS, DESIGN & CONTROLS, INC.  
EASTERN NATIONAL REGION  
5801 BENJAMIN CENTER DRIVE, SUITE 102  
TAMPA, FL 33634  
(813) 243-0370 - O | (813) 243-1314 - F  
www.radcoinc.com

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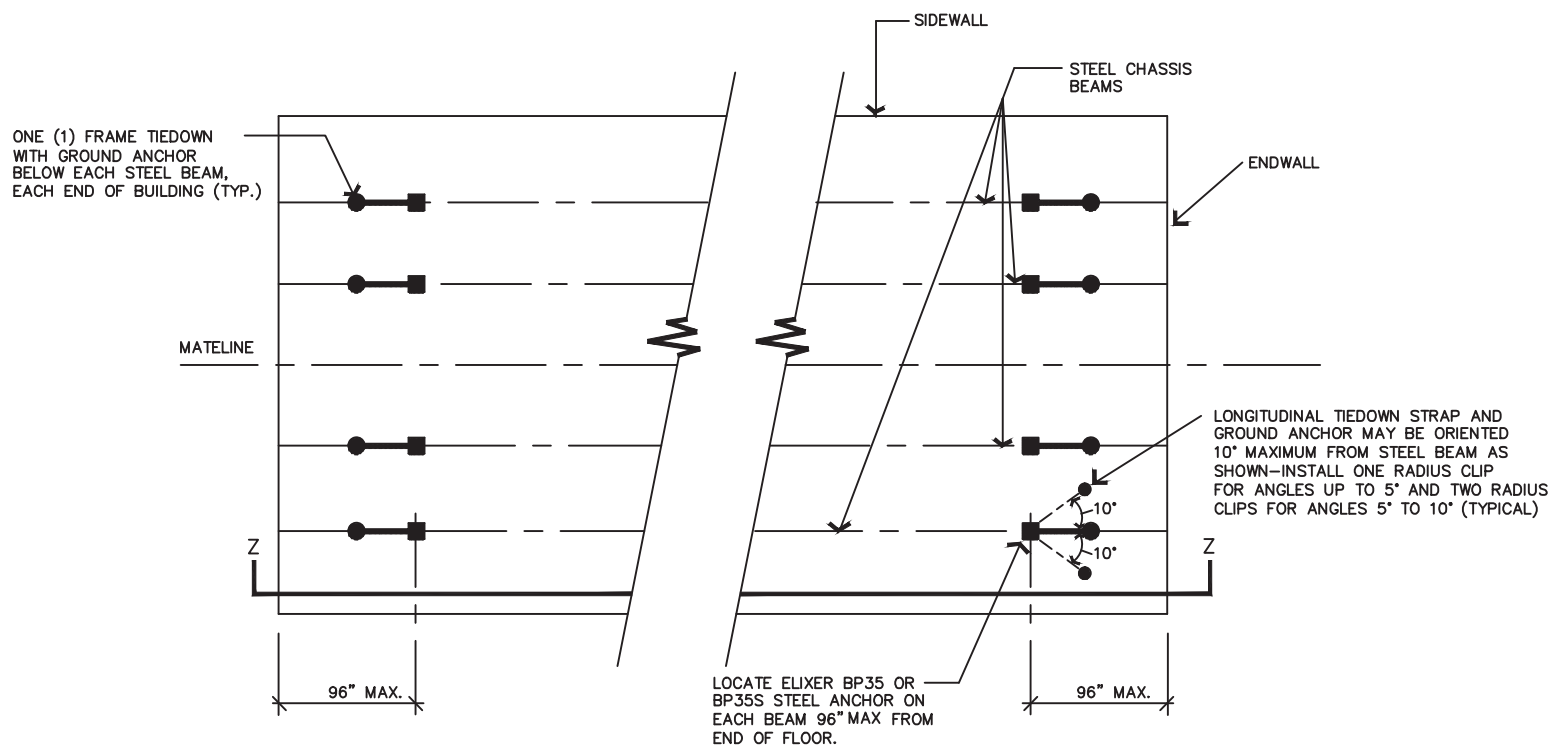
THIRD PARTY DESIGN APPROVAL & INSPECTION AGENCY

05-21-2017

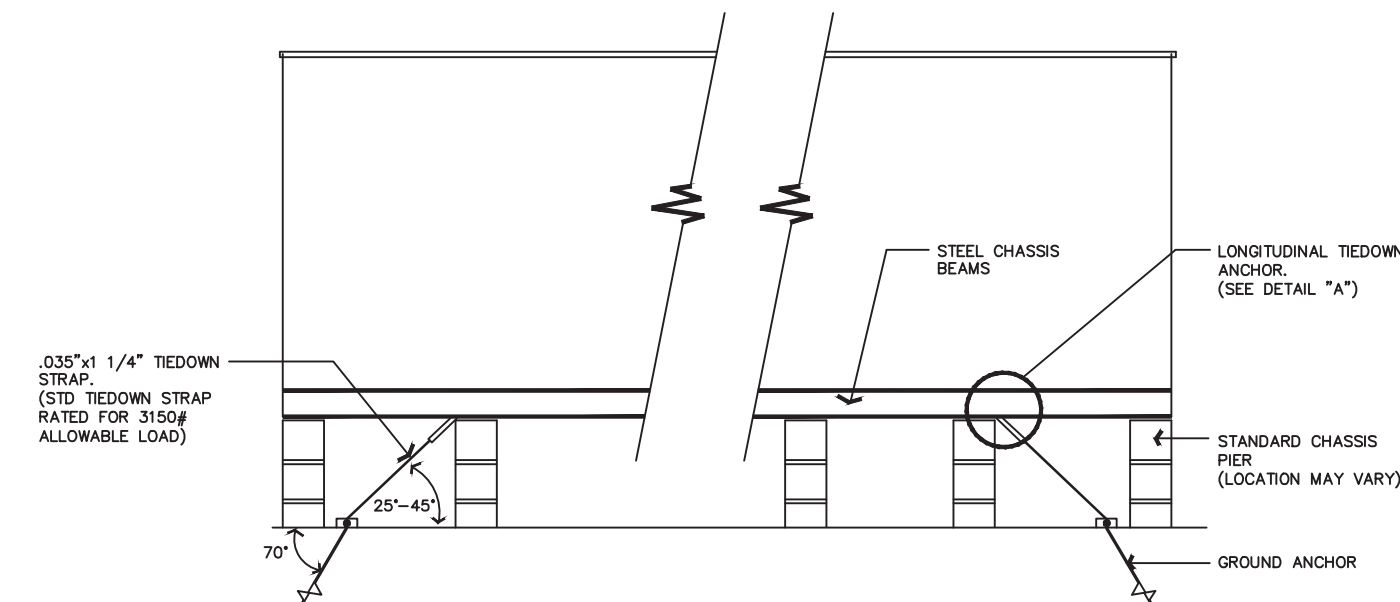
**COMMONWEALTH OF VIRGINIA**  
KENNETH A. GODFREY  
Lic. No. 20536  
PROFESSIONAL ENGINEER

TITAN MODULAR SYSTEMS, INC.			
162 INDUSTRIAL DRIVE		(912) 632-3344	
ALMA, GEORGIA 31510			
DATE: 05/16/2017	KENNETH A. GODFREY, P.E.		
SCALE : -NTS.-	CONSULTING ENGINEER		
	490 RUSTIC BARN TRAIL		
	MORGANTON, GA 30560		
CODES: SEE SUMMARY	REVISIONS:		BY:
LABELS: RADCO., VA.			KAG.
TMS 3350-62 A/D			SHEET
FOUNDATION PLAN			1 OF 2
			KAG. NO. 051217TMS

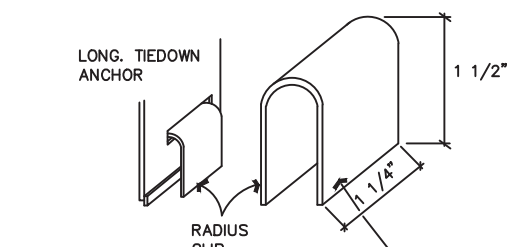




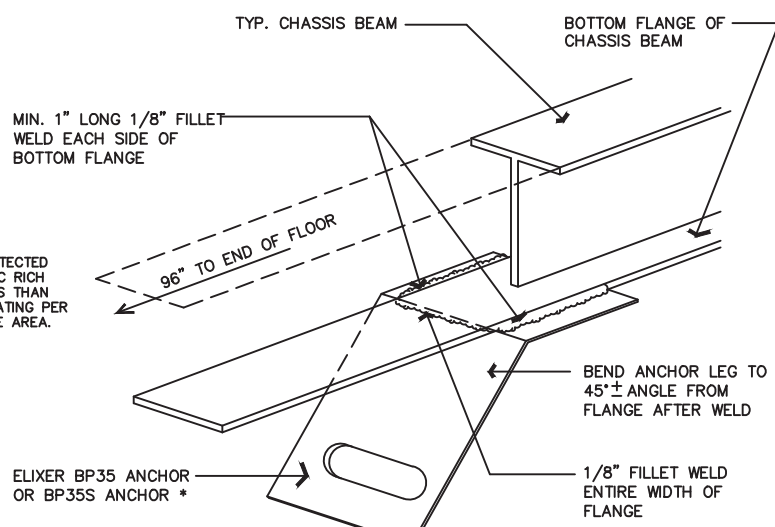
PLAN VIEW



SECTION Z-Z



TIEDOWN RADIUS CLIP

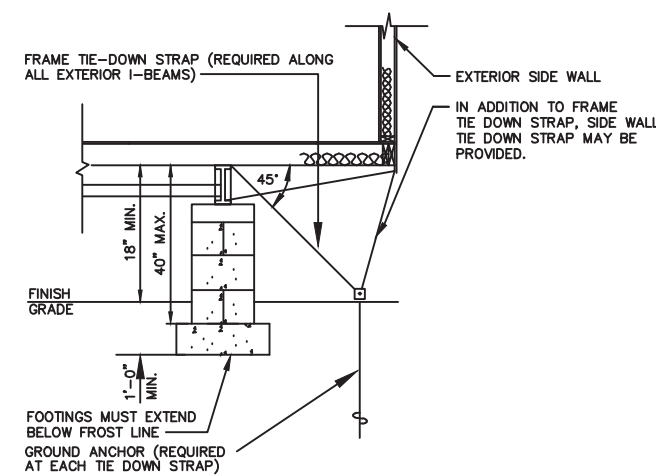


DETAIL A

\* IN LIEU OF THE ELUXER ANCHOR SPECIFIED ABOVE, "LONGITUDINAL FRAME BEAM CLAMPS" BY TIE DOWN ENGINEERING, INC. MAY BE USED. IF USED, THEY SHALL BE FABRICATED AND INSTALLED IN ACCORDANCE WITH TEST REPORT 99-WH03-TDE BY K2 ENGINEERING, INC. WHEN USED, TWO GROUND ANCHORS AND TIE DOWN STRAPS ARE REQUIRED AT EACH CLAMP LOCATIONS. ONE STRAP SHALL BE INSTALLED ON EACH SIDE OF THE I-BEAM AT EACH CLAMP LOCATION. EACH STRAP SHALL BE OFF SET 10" FROM THE DIRECTION PARALLEL TO THE I-BEAM AS SHOWN IN THE PLAN VIEW ON THIS PAGE.

## FOUNDATION NOTES:

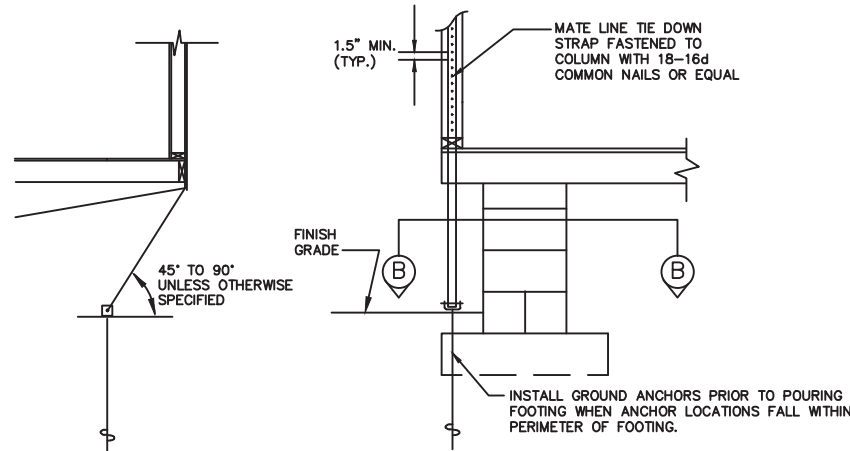
1. THIS FOUNDATION PLAN IS PROVIDED FOR REFERENCE AS A TYPICAL STANDARD. ACTUAL FOUNDATION CONDITIONS MUST BE EVALUATED FOR APPLICABILITY IF THIS PLAN IS TO BE USED. ALTERNATE FOUNDATION PLANS MAY BE DESIGNED BY OTHERS IN ACCORDANCE WITH THE REQUIREMENTS OF THE JURISDICTION HAVING AUTHORITY. IF FOUNDATION PLANS ARE DESIGNED BY OTHERS, THE ENGINEER OF THE BUILDING PLANS SHALL NOT BE HELD RESPONSIBLE OR LIABLE FOR THE FOUNDATION DESIGN AND THE CONSEQUENTIAL PERFORMANCE OF THE SUPERSTRUCTURE'S STRUCTURAL COMPONENTS AND SYSTEMS RELATED THERETO.
2. ALL FOUNDATION CONSTRUCTION MATERIALS AND INSTALLATION SHALL BE IN ACCORDANCE WITH ALL APPLICABLE STATE AND LOCAL CODES.
3. 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 03953-91. TIE DOWN STRAPS AND CONNECTING HARDWARE SHALL HAVE 3150# MINIMUM WORKING CAPACITY.
4. 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 HELICES, 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.
5. EXCAVATE AN ADDITIONAL 1 TO 2 INCHES AT BOTTOM AND SIDES OF ALL FOOTINGS THAT ARE POURED DIRECTLY AGAINST EARTH.
6. ALL PIERS SHALL BE CONSTRUCTED OF 8" X 8" X 16" NOMINAL STANDARD WEIGHT CONCRETE MASONRY UNITS CONFORMING TO ASTM C90 HAVING A UNIT COMPRESSIVE STRENGTH OF 1900 PSI ( $f_m = 1500$  PSI). MASONRY UNITS SHALL BE FULLY LAID IN TYPE M OR S MORTAR OR COVERED WITH SURFACE BONDING CEMENT COMPLYING WITH ASTM C887 AND APPLIED IN STRICT ACCORDANCE WITH THE CEMENT MANUFACTURER'S INSTRUCTIONS, WITH THE BOTTOM COARSE FULLY LAID IN TYPE M OR S MORTAR. REINFORCEMENT BARS AND PIER FOOTINGS SHALL BE DESCRIBED IN THE PIER DETAILS.
7. CONCRETE SHALL BE STANDARD WEIGHT (150 PCF) WITH A MINIMUM COMPRESSIVE STRENGTH 3000 PSI AT 28 DAYS. MORTAR SHALL COMPLY WITH ASTM C270. GROUT SHALL COMPLY WITH ASTM C476 AND HAVE A MINIMUM COMPRESSIVE STRENGTH OF 2500 PSI.
8. ALL REINFORCEMENT BARS SHALL COMPLY WITH ASTM A615, GRADE 60. REINFORCEMENT BARS SHALL BE UNCOATED DEFORMED BARS (NO EPOXY). REINFORCEMENT BARS SHALL BE EQUALLY SPACED AND PLACED WITH 3" CLEARANCE FROM BOTTOM AND SIDES OF THE FOOTING. AT SPLICES LAP ALL #4 BARS 24 INCHES MINIMUM AND LAP ALL #5 BARS 30 INCHES MINIMUM. OFF SET ALL SPLICES 30 INCHES MINIMUM.
9. ALL PIERS SHALL BE CAPPED WITH 4 INCHES OF SOLID MASONRY OR CONCRETE OR THE CAVITIES OF THE TOP COURSE SHALL BE FILLED WITH CONCRETE OR GROUT. PIERS SHALL PROVIDE A TRUE AND EVEN BEARING SURFACE.
10. THE CENTERLINE OF EACH PIER SHALL BE LOCATED DIRECTLY BELOW THE I-BEAM CENTERLINE WITH 1 INCH MAXIMUM TOLERANCE.
11. SOIL BEARING CAPACITY SHOWN ON THIS PLAN IS ASSUMED. IF THE ACTUAL SOIL BEARING CAPACITY IS LESS THAN 2000 PSF, THE ENGINEER MUST BE CONSULTED FOR REQUIRED ALTERNATE FOUNDATION DESIGN. FOOTINGS SHALL BE PLACED ON NON-EXPANSIVE SOILS ONLY.
12. WHEN CONTINUOUS PERIMETER SUPPORT IS NOT PROVIDED, INSTALL A TYPICAL I-BEAM TYPE PIER ON EACH SIDE OF ALL EXTERIOR DOOR OPENINGS. (MANUFACTURER'S RECOMMENDATION ONLY- OPTIONAL WHEN NOT SHOWN) SLIGHT ADJUSTMENT MAY BE REQUIRED TO INSURE OPERABILITY AFTER INSTALLATION OF BUILDING IS COMPLETE.
13. THE AREA UNDER FOOTINGS AND FOUNDATIONS SHALL HAVE ALL VEGETATION, STUMPS, ROOTS, AND FOREIGN MATERIALS REMOVED PRIOR TO THEIR CONSTRUCTION.
14. THE PERIMETER GRADE SHALL BE SLOPED AWAY FROM THE BUILDING TO PROVIDE POSITIVE DRAINAGE. THE GRADE OF THE GROUND UNDER THE BUILDING SHALL NOT BE LOWER THAN THE LOWEST SURROUNDING FINISHED LOT AREA GRADE IN ORDER TO PREVENT THE ACCUMULATION AND STANDING OF WATER UNDER THE BUILDING.
15. ALL STAIRS, RAMPS, DECKS AND OTHER SITE WORK NOT SHOWN ON THESE DRAWINGS ARE DESIGNED BY OTHERS AND SUBJECT TO THE APPROVAL OF THE JURISDICTION HAVING AUTHORITY.
16. TERMITE PROTECTION SHALL BE PROVIDED IN ACCORDANCE WITH THE APPLICABLE CODES WHEN REQUIRED BY SUCH CODES.
17. FOUNDATION ENCLOSURE (IF PROVIDED) IS DESIGNED BY OTHERS. ENCLOSURE MUST HAVE A MINIMUM NET VENT AREA OF VENTILATION OPENINGS OF NOT LESS THAN 1 SQUARE FOOT FOR EACH 150 SQUARE FEET OF CRAWL SPACE AREA. LOCATE OPENINGS TO PROVIDE CROSS VENTILATION OF ENTIRE CRAWL SPACE. INSTALL AN 18" X 24" MINIMUM OPENING FOR CRAWL SPACE ACCESS.
18. THE FOUNDATION DIMENSIONS SHOWN ARE EXPECTED ACTUAL MODULE WIDTHS FROM THE FACTORY. TYPICALLY A ONE INCH GAP AT EACH MATE LINE IS NEEDED TO ACCOUNT FOR MODULE EXPANSION, SETTING TOLERANCES, ETC. THE FOUNDATION CONTRACTOR SHOULD CONSULT WITH THE MANUFACTURER OF THE MODULES PRIOR TO CONSTRUCTION OF THE FOUNDATION TO DETERMINE THE EXACT AMOUNT OF INCREASED WIDTH TO BE ADDED AT EACH MATE LINE. TAKE CAUTION AS THIS WILL AFFECT THE OVERALL DIMENSIONS OF THE FOUNDATION.



SECTION A-A

FRAME TIE-DOWN STRAP & GROUND ANCHOR ON CENTER SPACING CHART			
ULTIMATE WIND SPEED	ASD WIND SPEED	WITHIN 9'-4" OF END WALLS	ELSEWHERE
115 MPH	90 MPH	12'-0"	12'-0"

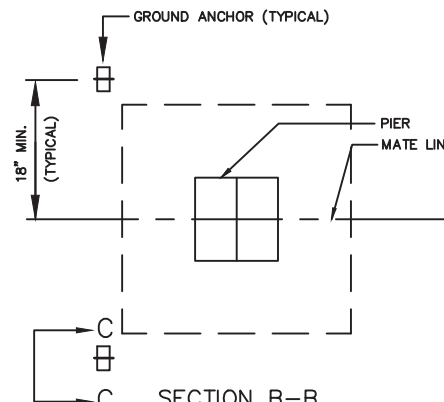
NOTES:  
1. ALL POINTS ALONG I-BEAMS SHALL BE WITHIN 1/2 OF THE SPECIFIED DIMENSIONS OF A STRAP/ANCHOR LOCATIONS.  
2. THE FIRST STRAP/ANCHOR LOCATION FROM EACH END WALL SHALL NOT EXCEED 1/2 OF THE SPECIFIED DIMENSIONS AT END WALLS.



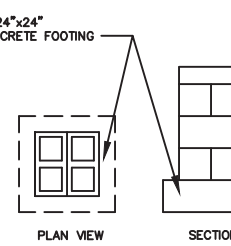
MATE LINE TIE DOWN STRAP DETAIL

MATE LINE PIER REQUIREMENTS			
PIER NUMBER	MINIMUM SOIL BEARING CAPACITY	PIER TYPE	NUMBER OF MATE LINE TIE DOWN STRAPS REQ'D (EA. MODULE)
1	2000 PSF	B	1
	3000 PSF	B	1
2	2000 PSF	B	0
	3000 PSF	B	0

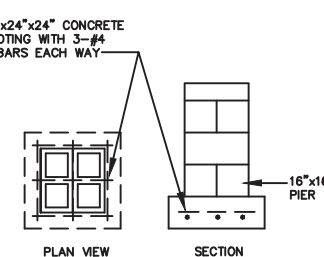
SOIL BEARING CAPACITY (PSF)	D MAXIMUM PIER SPACING
2000	8'-0"
3000	10'-0"



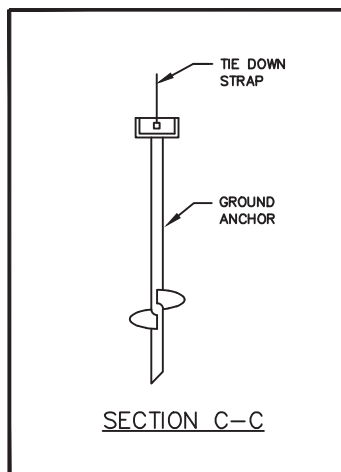
SECTION B-B  
PLAN VIEW OF MATE LINE TIE DOWN STRAP GROUND ANCHORS AT MATE LINE COLUMNS.



PIER TYPE A



PIER TYPE B



SECTION C-C



TITAN MODULAR SYSTEMS, INC.			
162 INDUSTRIAL DRIVE ALMA, GEORGIA 31510 (912) 632-3344			
DATE: 05/16/2017	KENNETH A. GODFREY, P.E. CONSULTING ENGINEER 490 RUSTIC BARN TRAIL MORGANTON, GA 30560		
SCALE : -NTS.-	REVISIONS:		
CODES: SEE SUMMARY	BY: KAG.		
LABELS: RADCO., VA.	SHEET		
TMS 3350-62 A/D	2 OF 2		
FOUNDATION NOTES & DETAILS		KAG, NO. 051217TMS	

Job <b>68206</b>	Truss <b>F227418</b>	Truss Type <b>FLAT</b>	Qty <b>1</b>	Ply <b>1</b>	<b>First String Space 316 GA</b> <b>3163212</b>
Universal Forest Products Inc., Grand Rapids, MI 49525, Michael Adams			7.350 e Sep 27 2012 MITek Industries, Inc. Fri Jun 14 09:59:19 2013 Page 1 of 1		
F227418 = IBC2012 F227419 = IBC2006/2009			Job Reference 3163212		

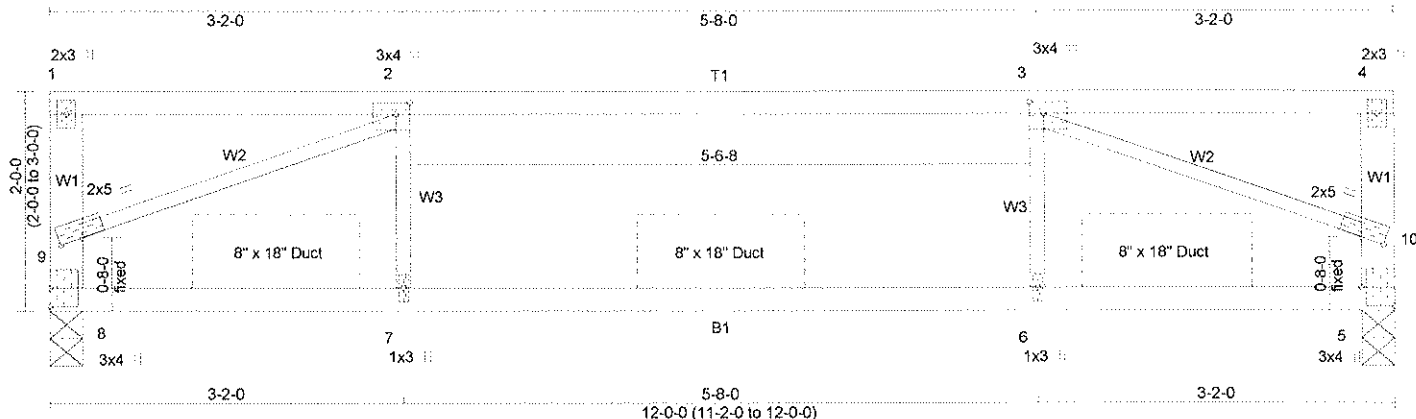


Plate Offsets (X,Y): [2:0-1-8,0-1-4], [3:0-1-8,0-1-4], [5:Edge,0-3-8], [9:0-2-8,0-0-0], [10:0-2-8,0-0-0]

SPACING: 2-0-0	SPACING: 1-4-0	SPACING	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
LOADING (psf)	LOADING (psf)	Plates Increase	1.15	TC	0.79	Vert(LL)	0.22	6-7	>648	240	244/190
TCLL 26.9	TCLL 40.4	Lumber Increase	1.15	BC	0.54	Vert(TL)	-0.23	6-7	>613	180	
(Ground Snow=35.0)	(Ground Snow=52.5)	Rep Stress Incr	YES	WB	0.55	Horz(TL)	-0.02	5	n/a	n/a	
TCDL 7.0	TCDL 10.5	Code IBC2012/TPI2007		(Matrix)							
BCLL 0.0 *	BCLL 0.0 *										
BCDL 7.0	BCDL 10.5										
										Weight: 36 lb	
										FT = 0%	

#### LUMBER

TOP CHORD 2x3 SP No.1  
BOT CHORD 2x3 SP No.1  
WEBS 2x2 SP No.2 \*Except\*  
W1: 2x4 SP No.2

#### BRACING

TOP CHORD Structural wood sheathing directly applied or 4-11-7 oc [P]  
purlins, except end verticals.  
BOT CHORD Rigid ceiling directly applied or 5-2-4 oc bracing.

#### REACTIONS

(lb/size) 8=401/0-3-8 (min. 0-1-8), 5=401/0-3-8 (min. 0-1-8)  
Max Horz 8=-170(LC 7)  
Max Uplift 8=-542(LC 7), 5=-542(LC 8)  
Max Grav 8=479(LC 2), 5=479(LC 2)

#### FORCES (lb) - Maximum Compression/Maximum Tension

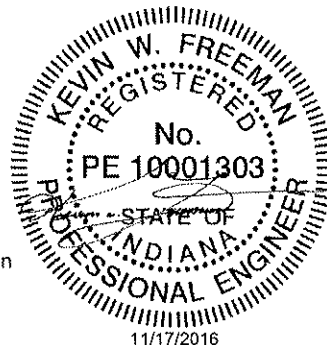
TOP CHORD 8-9=-425/598, 1-9=-58/98, 1-2=-320/233, 2-3=-680/1007, 3-4=-320/233, 5-10=-425/598, 4-10=-58/98  
BOT CHORD 7-8=-838/680, 6-7=-838/680, 5-6=-838/680  
WEBS 2-7=0/147, 3-6=0/147, 2-9=-983/1341, 3-10=-983/1341

#### NOTES (9-11)

- 1) Wind: ASCE 7-10; Vult=178mph (3-second gust) Vasd=141mph @24in o.c.; TCDL=2.8psf; BCDL=2.8psf; (Alt. 180mph @16in o.c.; TCDL=4.2psf; BCDL=4.2psf); h=30ft; Cat. II; Exp C; enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) TCLL: ASCE 7-10; Pg=35.0 psf (ground snow); Ps=26.9 psf (roof snow); Category II; Exp C; Partially Exp.; Ct=1.1, Lu=50-0-0
- 3) Roof design snow load has been reduced to account for slope.
- 4) Provide adequate drainage to prevent water ponding.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 542 lb uplift at joint 8 and 542 lb uplift at joint 5.
- 8) This truss is designed in accordance with the 2012 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- 9) When adjusting the variable span dimension, adjust the post placement dimensions proportional to the change in span
- 10) Based on: F227408
- 11) Revision: Increased wind from 140 mph, Increased all lumber to SP.

**APPROVED** **RADCO** **APPROVED**  
**May 22, 2017**

E-signed by Kevin Freeman



The professional engineering seal indicates that a licensed professional has reviewed the design under the standards referenced within this document, not necessarily the current state building code. The engineering seal is not an approval to use in a specific state. The final determination on whether a truss design is acceptable under the locally adopted building code rest with the building official or designated appointee.

#### **WARNING - Verify design parameters and READ NOTES**

This building component has only been designed for the loads noted on this drawing. Construction and lifting forces have not been considered. The builder is responsible for lifting methods and system design. Builder responsibilities are defined under TPI1. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult BCSI 1-06 from the Wood Truss Council of America and Truss Plate Institute Recommendation available from WTCA, 6300 Enterprise LN, Madison, WI 53719 J:\support\MitekSupp\templates\ufp.tpe copyright 2013 by: Universal Forest Products, Inc.

Universal Forest Products, Inc. 2801 EAST BELTLINE RD, NE  
PHONE (616)-364-6161 FAX (616)-365-0060 GRAND RAPIDS, MI 49525







# UNIVERSAL FOREST PRODUCTS, INC.

APPROVED

**RADCO**  
May 22, 2017

APPROVED

Job	Truss	Customer	MFG
68206	F227418	FIRST STRING SPACE	316

The professional engineering seal indicates that a licensed professional has reviewed the design under the standards referenced within this document, not necessarily the current state building code. The engineering seal is not an approval to use a design in a specific state. The final determination on whether a truss design is acceptable under the locally adopted building code rest with the building official or designated appointee.



**COMcheck Software Version 4.0.5.1**

# Envelope Compliance Certificate

**RADCO APPROVED****May 22, 2017**

RESOURCES, APPLICATIONS, DESIGN &amp; CONTROLS, INC.

EASTERN NATIONAL REGION

5801 BENJAMIN CENTER DRIVE, SUITE 102

TAMPA, FL 33634

(813) 243-0370 - O | (813) 243-1314 - F

www.radcoinc.com



YOUR VISION • OUR MISSION™

THIRD PARTY DESIGN APPROVAL &amp; INSPECTION AGENCY

## Project Information

Energy Code: 90.1 (2010) Standard  
Project Title: TMS 3350-62 KAG.# 051217TMS  
Location: Herndon, Virginia  
Climate Zone: 4a  
Project Type: New Construction  
Vertical Glazing / Wall Area: 4%

Construction Site:

Owner/Agent:

Designer/Contractor:

Kenneth A. Godfrey, P.E.  
Titan Modular Systems, Inc.  
162 Industrial Drive  
Alma, GA 31510  
912-632-3344

## Building Area

## Floor Area

1-School/University : Nonresidential

2800

## Envelope Assemblies

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U- Factor <sup>(a)</sup>
Roof 1: Attic Roof with Wood Joists, [Bldg. Use 1 - School/University]	2800	49.0	0.0	0.021	0.027
Exterior Wall 1: Wood-Framed, 16" o.c., [Bldg. Use 1 - School/University]	1708	13.0	0.0	0.089	0.089
Window 1: Metal Frame with Thermal Break, Perf. Specs.: Product ID KINRO, SHGC 0.24, [Bldg. Use 1 - School/University] (b)	69	---	---	0.550	0.550
Door 1: Insulated Metal, Swinging, [Bldg. Use 1 - School/University]	80	---	---	0.300	0.700
Floor 1: Wood-Framed, [Bldg. Use 1 - School/University]	2800	25.0	0.0	0.039	0.033

(a) Budget U-factors are used for software baseline calculations ONLY, and are not code requirements.

(b) Fenestration product performance must be certified in accordance with NFRC and requires supporting documentation.

## Envelope PASSES: Design 3% better than code

## Envelope Compliance Statement

**Compliance Statement:** The proposed envelope design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed envelope systems have been designed to meet the 90.1 (2010) Standard requirements in COMcheck Version 4.0.5.1 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.



Kenneth A. Godfrey, P.E.  
Name - Title

Signature

Date

**RADCO**

**May 22, 2017**

APPROVED

APPROVED

05-21-2017





## Project Information

Energy Code: 90.1 (2010) Standard  
Project Title: TMS 3350-62 KAG.# 051217TMS  
Project Type: New Construction

Construction Site:

Owner/Agent:

Designer/Contractor:

Kenneth A. Godfrey, P.E.  
Titan Modular Systems, Inc.  
162 Industrial Drive  
Alma, GA 31510  
912-632-3344

## Allowed Interior Lighting Power

A Area Category	B Floor Area (ft <sup>2</sup> )	C Allowed Watts / ft <sup>2</sup>	D Allowed Watts (B X C)
1-School/University	2800	0.99	2772
Total Allowed Watts =			2772

## Proposed Interior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
1-School/University LED 1: LED Panel 41W:	1	48	40	1920
Total Proposed Watts =				1920

## Interior Lighting PASSES: Design 31% better than code

## Interior Lighting Compliance Statement

*Compliance Statement:* The proposed interior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 90.1 (2010) Standard requirements in COMcheck Version 4.0.5.1 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Kenneth A. Godfrey, P.E.

Name - Title

Signature

Date

05-21-2017





**Project Information**

Energy Code: 90.1 (2010) Standard  
Project Title: TMS 3350-62 KAG.# 051217TMS  
Project Type: New Construction  
Exterior Lighting Zone: 2 (Neighborhood business district)

Construction Site: Owner/Agent: Designer/Contractor:  
Kenneth A. Godfrey, P.E.  
Titan Modular Systems, Inc.  
162 Industrial Drive  
Alma, GA 31510  
912-632-3344

**Allowed Exterior Lighting Power**

A Area/Surface Category	B Quantity	C Allowed Watts / Unit	D Tradable Wattage	E Allowed Watts (B X C)
Main entry	3 ft of door	20	Yes	60
Main entry	3 ft of door	20	Yes	60
Main entry	3 ft of door	20	Yes	60
Main entry	3 ft of door	20	Yes	60
Total Tradable Watts (a) =				240
Total Allowed Watts =				240
Total Allowed Supplemental Watts (b) =				600

(a) Wattage tradeoffs are only allowed between tradable areas/surfaces.

(b) A supplemental allowance equal to 600 watts may be applied toward compliance of both non-tradable and tradable areas/surfaces.

**Proposed Exterior Lighting Power**

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
<u>Main entry (3 ft of door width): Tradable Wattage</u>				
Incandescent 1: Incandescent 60W:	1	1	60	60
Incandescent 2: Incandescent 60W:	1	1	60	60
Incandescent 3: Incandescent 60W:	1	1	60	60
Incandescent 4: Incandescent 60W:	1	1	60	60
Total Tradable Proposed Watts =				240

**Exterior Lighting PASSES: Design 71% better than code****Exterior Lighting Compliance Statement**

*Compliance Statement:* The proposed exterior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed exterior lighting systems have been designed to meet the 90.1 (2010) Standard requirements in COMcheck Version 4.0.5.1 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Kenneth A. Godfrey, P.E.  
Name - Title

Signature

Date

APPROVED

**RADCO**  
**May 22, 2017**

APPROVED

05-21-2017







### Project Information

Energy Code: 90.1 (2010) Standard  
Project Title: TMS 3350-62 KAG.# 051217TMS  
Location: Herndon, Virginia  
Climate Zone: 4a  
Project Type: New Construction

Construction Site:

Owner/Agent:

Designer/Contractor:

Kenneth A. Godfrey, P.E.  
Titan Modular Systems, Inc.  
162 Industrial Drive  
Alma, GA 31510  
912-632-3344

### Mechanical Systems List

#### Quantity System Type & Description

- 4 HVAC System 1 (Single Zone):  
Single Package Vertical Unit Heat Pump  
Heating Mode: Capacity = 35 kBtu/h,  
Proposed Efficiency = 3.00 COP, Required Efficiency = 3.00 COP  
Cooling Mode: Capacity = 35 kBtu/h,  
Proposed Efficiency = 9.00 EER, Required Efficiency = 9.00 EER  
Fan System: FAN SYSTEM 1 -- Compliance (Motor nameplate HP method) : Passes

Fans:

FAN 1 Supply, Constant Volume, 1100 CFM, 0.3 motor nameplate hp

### Mechanical Compliance Statement

*Compliance Statement:* The proposed mechanical design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed mechanical systems have been designed to meet the 90.1 (2010) Standard requirements in COMcheck Version 4.0.5.1 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Kenneth A. Godfrey, P.E.

Name - Title

Signature

Date

05-21-2017





# Inspection Checklist

Energy Code: 90.1 (2010) Standard

Requirements: 0.0% were addressed directly in the COMcheck software

Text in the "Comments/Assumptions" column is provided by the user in the COMcheck Requirements screen. For each requirement, the user certifies that a code requirement will be met and how that is documented, or that an exception is being claimed. Where compliance is itemized in a separate table, a reference to that table is provided.

Section # & Req.ID	Plan Review	Complies?	Comments/Assumptions
4.2.2,5.4. 3.1.1,5.7 [PR1] <sup>1</sup>	Plans and/or specifications provide all information with which compliance can be determined for the building envelope and document where exceptions to the standard are claimed.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
4.2.2,6.4. 4.2.1,6.7. 2 [PR2] <sup>1</sup>	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the mechanical systems and equipment and document where exceptions to the standard are claimed. Load calculations per acceptable engineering standards and handbooks.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
4.2.2,8.4. 1.1,8.4.1. 2.8.7 [PR6] <sup>2</sup>	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the electrical systems and equipment and document where exceptions are claimed. Feeder connectors sized in accordance with approved plans and branch circuits sized for maximum drop of 3%.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
4.2.2,9.4. 4.9.7 [PR4] <sup>1</sup>	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the interior lighting and electrical systems and equipment and document where exceptions to the standard are claimed. Information provided should include interior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
9.7 [PR8] <sup>1</sup>	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the exterior lighting and electrical systems and equipment and document where exceptions to the standard are claimed. Information provided should include exterior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
6.7.2.4 [PR5] <sup>1</sup>	Detailed instructions for HVAC systems commissioning included on the plans or specifications for projects >=50,000 ft <sup>2</sup> .	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	

1 High Impact (Tier 1)    2 Medium Impact (Tier 2)    3 Low Impact (Tier 3)



**Additional Comments/Assumptions:**

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)
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Section # & Req.ID	Footing / Foundation Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
5.5.3.3 [FO1] <sup>2</sup>	Below-grade wall insulation R-value.	R-_____	R-_____	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	See the Envelope Assemblies table for values.
5.5.3.5 [FO3] <sup>2</sup>	Slab edge insulation R-value.	R-_____ <input type="checkbox"/> Unheated <input type="checkbox"/> Heated	R-_____ <input type="checkbox"/> Unheated <input type="checkbox"/> Heated	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	See the Envelope Assemblies table for values.
5.5.3.5 [FO5] <sup>2</sup>	Slab edge insulation depth/length.	_____ ft	_____ ft	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	See the Envelope Assemblies table for values.
5.8.1.7.3 [FO7] <sup>1</sup>	Insulation in contact with the ground has ≤0.3% water absorption rate per ASTM C272.			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
6.4.3.8 [FO9] <sup>3</sup>	Freeze protection and snow/ice melting system sensors for future connection to controls.			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
6.4.4.1.5 [FO11] <sup>3</sup>	Bottom surface of floor structures incorporating radiant heating insulated to ≥R-3.5.	R-_____	R-_____	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	See the Envelope Assemblies table for values.

**Additional Comments/Assumptions:**

Section # & Req.ID	Framing / Rough-In Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
5.4.3.2 [FR1] <sup>3</sup>	Factory-built fenestration and doors are labeled as meeting air leakage requirements.			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
5.4.3.4 [FR4] <sup>3</sup>	Vestibules are installed where building entrances separate conditioned space from the exterior, and meet exterior envelope requirements. Doors have self-closing devices, and are $\geq 7$ ft apart.			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
5.5.4.3a [FR8] <sup>1</sup>	Vertical fenestration U-Factor.	U- ____	U- ____	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	See the Envelope Assemblies table for values.
5.5.4.3b [FR9] <sup>1</sup>	Skylight fenestration U-Factor.	U- ____	U- ____	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	See the Envelope Assemblies table for values.
5.5.4.4.1 [FR10] <sup>1</sup>	Vertical fenestration SHGC value.	SHGC: ____	SHGC: ____	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	See the Envelope Assemblies table for values.
5.5.4.4.2 [FR11] <sup>1</sup>	Skylight SHGC value.	SHGC: ____	SHGC: ____	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	See the Envelope Assemblies table for values.
5.8.2.1 [FR12] <sup>2</sup>	Fenestration products rated in accordance with NFRC.			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
5.8.2.2 [FR13] <sup>1</sup>	Fenestration products are certified as to performance labels or certificates provided.			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
5.8.2.3, 5.3.6 [FR14] <sup>2</sup>	U-factor of opaque doors associated with the building thermal envelope meets requirements.	U- ____ <input type="checkbox"/> Swinging <input type="checkbox"/> Nonswinging	U- ____ <input type="checkbox"/> Swinging <input type="checkbox"/> Nonswinging	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	See the Envelope Assemblies table for values.
5.4.3.1 [FR15] <sup>1</sup>	Continuous air barrier is wrapped, sealed, caulked, gasketed, and/or taped in an approved manner, except in semiheated spaces and in climate zones 1-6.			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	

**Additional Comments/Assumptions:**

1 High Impact (Tier 1)    2 Medium Impact (Tier 2)    3 Low Impact (Tier 3)



Section # & Req.ID	Mechanical Rough-In Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
6.4.1.4, 6.4.1.5 [ME1] <sup>2</sup>	HVAC equipment efficiency verified. Non-NAECA HVAC equipment labeled as meeting 90.1.	Efficiency: _____	Efficiency: _____	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	See the Mechanical Systems list for values.
6.4.3.4.1 [ME3] <sup>3</sup>	Stair and elevator shaft vents have motorized dampers that automatically close.			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
6.4.3.4.2, 6.4.3.4.3 [ME4] <sup>3</sup>	Outdoor air and exhaust systems have motorized dampers that automatically shut when not in use and meet maximum leakage rates. Check gravity dampers where allowed.			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
6.4.3.4.5 [ME39] <sup>3</sup>	Enclosed parking garage ventilation has automatic contaminant detection and capacity to stage or modulate fans to 50% or less of design capacity.			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
6.4.3.4.4 [ME5] <sup>3</sup>	Ventilation fans >0.75 hp have automatic controls to shut off fan when not required.			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
6.4.3.9 [ME6] <sup>1</sup>	Demand control ventilation provided for spaces >500 ft <sup>2</sup> and >40 people/1000 ft <sup>2</sup> occupant density and served by systems with air side economizer, auto modulating outside air damper control, or design airflow >3,000 cfm.			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
6.4.3.10 [ME40] <sup>2</sup>	Single zone HVAC systems with fan motors ≥5 hp have variable airflow controls. Air conditioning equipment with a cooling capacity ≥110,000 Btu/h has variable airflow controls.			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	See the Mechanical Systems list for values.
6.4.4.1.1 [ME7] <sup>3</sup>	Insulation exposed to weather protected from damage. Insulation outside of the conditioned space and associated with cooling systems is vapor retardant.			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
6.4.4.1.2 [ME8] <sup>2</sup>	HVAC ducts and plenums insulated. Where ducts or plenums are installed in or under a slab, verification may need to occur during Foundation Inspection.	R- _____	R- _____	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
6.4.4.1.3 [ME9] <sup>2</sup>	HVAC piping insulation thickness. Where piping is installed in or under a slab, verification may need to occur during Foundation Inspection.	_____ in.	_____ in.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
6.4.4.1.4 [ME41] <sup>3</sup>	Thermally ineffective panel surfaces of sensible heating panels have insulation ≥ R-3.5.			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)
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Section # & Req.ID	Mechanical Rough-In Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
6.4.4.2.1 [ME10] <sup>2</sup>	Ducts and plenums sealed based on static pressure and location.			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
6.4.4.2.2 [ME11] <sup>3</sup>	Ductwork operating >3 in. water column requires air leakage testing.			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
6.5.2.3 [ME19] <sup>3</sup>	Dehumidification controls provided to prevent reheating, recooling, mixing of hot and cold airstreams or concurrent heating and cooling of the same airstream.			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
6.5.3.3 [ME42] <sup>3</sup>	Multiple zone VAV systems with DDC of individual zone boxes have static pressure setpoint reset controls.			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	See the Mechanical Systems list for values.
6.5.4.1 [ME25] <sup>3</sup>	HVAC pumping systems >10 hp designed for variable fluid flow.			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
6.5.6.1 [ME56] <sup>1</sup>	Exhaust air energy recovery on systems meeting Table 6.5.6.1.			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
6.5.7.1.1 [ME32] <sup>2</sup>	Kitchen hoods >5,000 cfm have make up air >=50% of exhaust air volume.			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
6.5.7.1.2 [ME46] <sup>3</sup>	Conditioned supply air to space with a kitchen hood shall not exceed the greater of a) supply flow required to meet space heating or cooling, or b) hood exhaust flow minus the available air transfer from available spaces.			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
6.5.7.1.5 [ME49] <sup>3</sup>	Approved field test used to evaluate design air flow rates and demonstrate proper capture and containment of kitchen exhaust systems.			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
6.5.7.2 [ME33] <sup>1</sup>	Fume hoods exhaust systems >=15,000 cfm have VAV hood exhaust and supply systems, direct make-up air or heat recovery.			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
6.5.8.1 [ME34] <sup>2</sup>	Unenclosed spaces that are heated use only radiant heat.			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	

**Additional Comments/Assumptions:**

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)
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1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)
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Section # & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
8.4.2 [EL10] <sup>2</sup>	At least 50% of all 125 volt 15- and 20-Amp receptacles are controlled by an automatic control device.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
9.4.1.1 [EL1] <sup>2</sup>	Automatic controls to shut off all building lighting.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
9.4.1.2 [EL2] <sup>2</sup>	Independent lighting controls installed per approved lighting plans and all manual controls readily accessible and visible to occupants.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
9.4.1.3 [EL11] <sup>2</sup>	Parking garage lighting is equipped with required lighting controls and daylight transition zone lighting.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
9.4.1.4 [EL12] <sup>1</sup>	Primary sidelighted areas $\geq 250$ ft <sup>2</sup> are equipped with required lighting controls.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
9.4.1.5 [EL13] <sup>1</sup>	Enclosed spaces with daylight area under skylights and rooftop monitors $>900$ ft <sup>2</sup> are equipped with required lighting controls.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
9.4.1.7 [EL3] <sup>2</sup>	Automatic lighting controls for exterior lighting installed.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
9.4.1.6 [EL4] <sup>1</sup>	Separate lighting control devices for specific uses installed per approved lighting plans.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
9.4.2 [EL6] <sup>1</sup>	Exit signs do not exceed 5 watts per face.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
9.4.3 [EL7] <sup>1</sup>	Exterior grounds lighting over 100 W provides $>60$ lm/W unless on motion sensor or fixture is exempt from scope of code or from external LPD.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
9.6.2 [EL8] <sup>1</sup>	Additional interior lighting power allowed for special functions per the approved lighting plans and is automatically controlled and separated from general lighting.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
10.4.1 [EL9] <sup>2</sup>	Electric motors meet requirements where applicable.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	

**Additional Comments/Assumptions:**

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)
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1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)
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Section # & Req.ID	Insulation Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
5.4.3.1 [IN1] <sup>1</sup>	All sources of air leakage in the building thermal envelope are sealed, caulked, gasketed, weather stripped or wrapped with moisture vapor-permeable wrapping material to minimize air leakage.			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
5.5.3.1 [IN2] <sup>1</sup>	Roof R-value. For some ceiling systems, verification may need to occur during Framing Inspection.	R-_____ <input type="checkbox"/> Above deck <input type="checkbox"/> Metal <input type="checkbox"/> Attic	R-_____ <input type="checkbox"/> Above deck <input type="checkbox"/> Metal <input type="checkbox"/> Attic	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	See the Envelope Assemblies table for values.
5.8.1.2, 5.8.1.3 [IN3] <sup>1</sup>	Roof insulation installed per manufacturer's instructions. Blown or poured loose-fill insulation is installed only where the roof slope is $\leq 3$ in 12.			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
5.5.3.2 [IN6] <sup>1</sup>	Above-grade wall insulation R-value.	R-_____ <input type="checkbox"/> Mass <input type="checkbox"/> Metal <input type="checkbox"/> Steel <input type="checkbox"/> Wood	R-_____ <input type="checkbox"/> Mass <input type="checkbox"/> Metal <input type="checkbox"/> Steel <input type="checkbox"/> Wood	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	See the Envelope Assemblies table for values.
5.8.1.2 [IN7] <sup>1</sup>	Above-grade wall insulation installed per manufacturer's instructions.			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
5.5.3.4 [IN8] <sup>2</sup>	Floor insulation R-value.	R-_____ <input type="checkbox"/> Mass <input type="checkbox"/> Steel <input type="checkbox"/> Wood	R-_____ <input type="checkbox"/> Mass <input type="checkbox"/> Steel <input type="checkbox"/> Wood	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	See the Envelope Assemblies table for values.
5.8.1.2 [IN9] <sup>2</sup>	Floor insulation installed per manufacturer's instructions.			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
5.8.1.1 [IN10] <sup>2</sup>	Building envelope insulation is labeled with R-value or insulation certificate providing R-value and other relevant data.			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
5.8.1.4 [IN11] <sup>2</sup>	Eaves are baffled to deflect air to above the insulation.			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
5.8.1.5 [IN12] <sup>2</sup>	Insulation is installed in substantial contact with the inside surface separating conditioned space from unconditional space.			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
5.8.1.6 [IN13] <sup>2</sup>	Recessed equipment installed in building envelope assemblies does not compress the adjacent insulation.			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	

☐ 1 High Impact (Tier 1)
 ☐ 2 Medium Impact (Tier 2)
 ☐ 3 Low Impact (Tier 3)



Section # & Req.ID	Insulation Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
5.8.1.7 [IN14] <sup>2</sup>	Exterior insulation is protected from damage with a protective material. Verification for exposed foundation insulation may need to occur during Foundation Inspection.			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
5.8.1.7.1 [IN15] <sup>2</sup>	Attics and mechanical rooms have insulation protected where adjacent to attic or equipment access.			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
5.8.1.7.2 [IN16] <sup>2</sup>	Foundation vents do not interfere with insulation.			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
5.8.1.8 [IN17] <sup>3</sup>	Insulation intended to meet the roof insulation requirements cannot be installed on top of a suspended ceiling. Mark this requirement compliant if insulation is installed accordingly.			<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	

**Additional Comments/Assumptions:**

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)
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Section # & Req.ID	Final Inspection	Complies?	Comments/Assumptions
5.4.3.3 [FI1] <sup>1</sup>	Weatherseals installed on all loading dock cargo doors in Climate Zones 4-8.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
6.4.3.1.2 [FI3] <sup>3</sup>	Thermostatic controls have a 5 °F deadband.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
6.4.3.2 [FI20] <sup>3</sup>	Temperature controls have setpoint overlap restrictions.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
6.4.3.3.1 [FI21] <sup>3</sup>	HVAC systems equipped with at least one automatic shutdown control.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
6.4.3.3.2 [FI22] <sup>3</sup>	Setback controls allow automatic restart and temporary operation as required for maintenance.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
6.4.3.5 [FI5] <sup>3</sup>	Heat pump controls prevent supplemental electric resistance heat from coming on when not needed.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
6.4.3.7 [FI6] <sup>3</sup>	When humidification and dehumidification are provided to a zone, simultaneous operation is prohibited.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
6.7.2.1 [FI7] <sup>3</sup>	Furnished HVAC as-built drawings submitted within 90 days of system acceptance.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
6.7.2.2 [FI8] <sup>3</sup>	Furnished O&M manuals for HVAC systems within 90 days of system acceptance.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
6.7.2.3 [FI9] <sup>1</sup>	An air and/or hydronic system balancing report is provided for HVAC systems serving zones >5,000 ft <sup>2</sup> of conditioned area.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
6.7.2.4 [FI10] <sup>1</sup>	HVAC control systems have been tested to ensure proper operation, calibration and adjustment of controls.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
8.7.1 [FI16] <sup>3</sup>	Furnished as-built drawings for electric power systems within 30 days of system acceptance.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
8.7.2 [FI17] <sup>3</sup>	Furnished O&M instructions for systems and equipment to the building owner or designated representative.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	

1 High Impact (Tier 1)	2 Medium Impact (Tier 2)	3 Low Impact (Tier 3)
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Section # & Req.ID	Final Inspection	Complies?	Comments/Assumptions
9.2.2.3 [FI18] <sup>1</sup>	Interior installed lamp and fixture lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	See the Interior Lighting fixture schedule for values.
9.4.3 [FI19] <sup>1</sup>	Exterior lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	See the Exterior Lighting fixture schedule for values.
10.4.3 [FI24] <sup>2</sup>	Elevators are designed with the proper lighting, ventilation power, and standby mode.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	

**Additional Comments/Assumptions:**

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

