

PLUMBING NOTES:

- TOILETS SHALL BE ELONGATED WITH NONABSORBENT OPEN FRONT SEATS.
- REST ROOM WALLS SHALL BE COVERED WITH NONABSORBENT MATERIAL TO A MINIMUM HEIGHT OF 48 INCHES A.F.F.
- FLOORS SHALL HAVE SMOOTH, HARD, NONABSORBENT SURFACE THAT EXTENDS UPWARD ONTO THE WALLS AT LEAST 6 INCHES.
- THIS UNIT MUST BE CONNECTED TO A PUBLIC WATER SUPPLY AND SEWER SYSTEM IF THESE ARE AVAILABLE.
- ALL PLUMBING FIXTURES SHALL HAVE SEPARATE SHUTOFF VALVES.
- WATER HEATER SHALL HAVE SAFETY PAN WITH 1 INCH DRAIN TO EXTERIOR.
- T & P RELIEF VALVE WITH DRAIN TO PAN WITH 2" TO 6" AIR GAP AND A SHUT OFF VALVE WITHIN 3 FEET ON A COLD WATER SUPPLY LINE.
- DWV SYSTEM SHALL BE PVC - DWV.
- WATER SUPPLY LINES SHALL BE PEX AND SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS LIMITATIONS AND INSTRUCTIONS.
- WATER CLOSETS ARE TANK TYPE UNLESS OTHERWISE SPECIFIED
- BUILDING DRAIN AND CLEANOUTS ARE DESIGNED AND SITE INSTALLED BY OTHERS, SUBJECT TO LOCAL JURISDICTION APPROVAL.
- SHOWERS SHALL BE CONTROLLED BY AN APPROVED MIXING VALVE WITH A MAXIMUM WATER OUTLET TEMPERATURE OF 120°F (48.8°C).
- THERMAL EXPANSION DEVICE, IF REQUIRED BY WATER HEATER INSTALLED, AND IF NOT SHOWN ON PLUMBING PLAN, IS DESIGNED AND SITE INSTALLED BY OTHERS, SUBJECT TO LOCAL APPROVAL.
- WATER PIPES INSTALLED IN A WALL EXPOSED TO THE EXTERIOR SHALL BE LOCATED ON THE HEATED SIDE OF THE WALL INSULATION.
- WATER, SOIL AND WASTE PIPES IN UNCONDITION SPACES SHALL BE INSULATED AND PROTECTED FROM FREEZING.
- CUSTOMER ASSUMES ALL RESPONSIBILITY FOR REQUIRED PLUMBING FACILITIES WHEN NOT SHOWN ON THE PLANS.
- TEMPERED WATER SHALL BE SUPPLIED THROUGH A WATER TEMP LIMITING DEVICE THAT CONFORMS TO ASSE 1070 AND SHALL LIMIT THE TEMPERED WATER TO A MAX OF 110°F (43°C).
- WHEN RESTROOM FACILITIES AND/OR PLUMBING FIXTURES REQUIRED PER IBC SECTION 403 ARE NOT PROVIDED WITHIN THE BUILDING, A HANDICAPPED ACCESSIBLE FACILITY MUST BE PROVIDED ON SITE WITHIN THE ALLOWABLE DISTANCE PER CODE. THE REQUIRED FACILITY SHALL BE THE RESPONSIBILITY OF THE BUILDING OWNER AND IS SUBJECT TO LOCAL REVIEW AND APPROVAL OF THE LOCAL JURISDICTION HAVING AUTHORITY. THIS NOTE SHALL BE INDICATED ON THE DATA PLATE.

GENERAL NOTES:

- ACCESS TO BUILDING FOR PERSONS IN WHEELCHAIRS IS DESIGNED BY AND FIELD BUILT BY OTHERS AND SUBJECT TO LOCAL JURISDICTION APPROVAL. THE PRIMARY ENTRANCE MUST BE ACCESSIBLE.
- 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.
- ALL GLAZING WITHIN A 24 INCH ARC OF DOORS, WHOSE BOTTOM EDGE IS LESS THAN 60 INCHES ABOVE THE FLOOR, AND ALL GLAZING IN DOORS SHALL BE SAFETY, TEMPERED OR ACRYLIC PLASTIC SHEET.
- ALL STEEL STRIPS REFERENCED ON FLOOR PLAN SHALL BE 1.5 INCH X 26 GA. WITH A MINIMUM CLEARANCE OF 12 INCHES AND ALL OTHER FIXTURES SHALL HAVE A MINIMUM CLEARANCE OF 6 INCHES FROM "CLOSET STORAGE SPACE" AS DEFINED BY NEC ARTICLE 410.2.
- WHEN WATER HEATERS ARE INSTALLED THEY SHALL BE PROVIDED WITH READILY ACCESSIBLE DISCONNECTS ADJACENT TO THE WATER HEATERS SERVED. THE BRANCH CIRCUIT SWITCH OR CIRCUIT BREAKER SHALL BE PERMITTED TO SERVE AS THE DISCONNECTING MEANS ONLY WHERE THE SWITCH OR CIRCUIT BREAKER IS WITHIN SIGHT FROM THE WATER HEATER OR IS CAPABLE OF BEING LOCKED IN THE OPEN POSITION.
- 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.
- PRIOR TO ENERGIZING THE ELECTRICAL SYSTEM THE INTERRUPTING RATING OF THE MAIN BREAKER MUST BE DESIGNED AND VERIFIED AS BEING IN COMPLIANCE WITH ARTICLES 110.9 & 110.10 OF THE NEC BY LOCAL ELECTRICAL CONSULTANT.
- THE MAIN ELECTRICAL PANEL AND FEEDERS ARE DESIGNED BY OTHERS, SITE INSTALLED AND SUBJECT TO LOCAL JURISDICTION APPROVAL.
- ALL CIRCUITS CROSSING OVER MODULE MATING LINE(S) SHALL BE SITE CONNECTED WITH APPROVED ACCESSIBLE JUNCTION BOXES, OR CABLE CONNECTORS.
- ALL RECEPTACLES INSTALLED IN WET LOCATIONS (EXTERIOR) SHALL BE IN WEATHER PROOF (WP) ENCLOSURES. THE INTEGRITY OF WHICH IS NOT AFFECTED WHEN AN ATTACHMENT PLUG CAP IS INSERTED OR REMOVED. THE RECEPT SHALL BE LISTED AS WEATHER RESISTANT AS PER NEC.
- EXTERIOR LIGHTS NOT INTENDED FOR 24 HOUR USE SHALL BE CONNECTED TO A PHOTOCELL OR TIMER.
- OCCUPANCY SENSOR SWITCHES SHALL PROVIDE A BI-LEVEL LIGHTING CONTROL TO PROVIDE EITHER CONTINUOUS DIMMING, OR AT LEAST ONE INTERMEDIATE STEP IN LIGHTING POWER BETWEEN 30% & 70% OF FULL POWER IN ADDITION TO FULL ON AND FULL OFF.
- AUTOMATIC CONTROL DEVICES SHALL BE INSTALLED TO AUTOMATICALLY TURN OFF LIGHTS WITHIN 30 MINUTES OF ALL OCCUPANTS LEAVING THE SPACE AND SHALL EITHER BE MANUAL ON OR SHALL BE CONTROLLED TO AUTOMATICALLY TURN THE LIGHTING ON TO NOT MORE THAN 50% POWER.

ELECTRICAL NOTES:

- ALL CIRCUITS AND EQUIPMENT SHALL BE GROUNDED IN ACCORDANCE WITH THE APPROPRIATE ARTICLES OF THE NATIONAL ELECTRICAL CODE (NEC).
- WHEN LIGHT FIXTURES ARE INSTALLED IN CLOSETS THEY SHALL BE SURFACE MOUNTED OR RECESSED. INCANDESCENT FIXTURES SHALL HAVE COMPLETELY ENCLOSED LAMPS. SURFACE MOUNTED INCANDESCENT FIXTURES SHALL HAVE A MINIMUM CLEARANCE OF 12 INCHES AND ALL OTHER FIXTURES SHALL HAVE A MINIMUM CLEARANCE OF 6 INCHES FROM "CLOSET STORAGE SPACE" AS DEFINED BY NEC ARTICLE 410.2.
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- AUTOMATIC CONTROL DEVICES SHALL BE INSTALLED TO AUTOMATICALLY TURN OFF LIGHTS WITHIN 30 MINUTES OF ALL OCCUPANTS LEAVING THE SPACE AND SHALL EITHER BE MANUAL ON OR SHALL BE CONTROLLED TO AUTOMATICALLY TURN THE LIGHTING ON TO NOT MORE THAN 50% POWER.

MARYLAND NOTES:

- REFER TO STATE PACKAGE PAGE NO. C34.0 FOR REQUIRED DUCT PROTECTION AT CONNECTION TO HVAC UNIT.
- THE FOLLOWING NOTE SHALL BE ON THE BLDG. DATA PLATE: THIS BUILDING HAS NOT BEEN DESIGNED FOR AND IS NOT APPROVED FOR INSTALLATION IN THE FOLLOWING MARYLAND COUNTIES: ALLEGANY.
- HVAC SYSTEM SHALL COMPLY WITH NFPA 90B WHEN BUILDING VOLUME DOES NOT EXCEED 25,000 CUBIC FEET. OTHERWISE HVAC SYSTEM SHALL COMPLY WITH NFPA 90A.
- THESE PLANS ARE PREPARED TO FACILITATE CONSTRUCTION OF THE PRE-ENGINEERED FACTORY BUILT MODULAR BUILDING, AND THEY INCLUDE MINIMUM ON-SITE SUPPORT AND THE DOWN REQUIREMENTS FOR THE MODULAR BUILDING. THE PROJECT ARCHITECT OF RECORD IS RESPONSIBLE FOR INCORPORATION AND COORDINATION OF THESE PLANS INTO THE OVERALL PROJECT DESIGN.
- TO LOCAL BUILDER AND/OR SITE DEVELOPER: ALL SITE WORK INCLUDING THE LOCATION OF THE BUILDING, IS REQUIRED TO BE REVIEWED AND APPROVED BY A MD. REG. ARCH. OR ENG. TO VERIFY CODE COMPLIANCE INCLUDING BUT NOT LIMITED TO FIRE RESISTANCE RATINGS FOR EXTERIOR PROTECTION. MEANS OF EGRESS, HEIGHT AND AREA LIMITATIONS, OTHER PERTINENT SITE RELATED MATTERS, DOCUMENTS RELATED TO SITE WORK, INCLUDING SITE AND DEVELOPMENT DRAWINGS, SHALL BE SUBMITTED TO THE LOCAL GOVERNMENT AGENCY FOR REVIEW AND APPROVAL.
- INSTALL STATE NSICNIA AND BUILDING DATA PLATE IN THE VICINITY OF ELECTRICAL DISTRIBUTION PANEL OR OTHER LOCATION THAT IS READILY ACCESSIBLE FOR INSPECTION, BUT NOT ON ANY READILY REMOVABLE FEATURE.
- WHEN THE 2018 IECC IS THE APPLICABLE ENERGY CODE. SUPPLY AND RETURN AIR DUCTS AND PLENUMS SHALL BE INSULATED WITH A MINIMUM OF R-6 INSULATION WHERE LOCATED IN UNCONDITIONED SPACES AND WHERE LOCATED OUTSIDE THE BUILDING WITH A MINIMUM OF R-8 INSULATION IN CLIMATE ZONES 1 THRU 4 AND A MINIMUM OF R-12 INSUL. IN CLIMATE ZONE 5. WHEN LOCATED WITHIN A BUILDING ENVELOPE ASSEMBLY, THE DUCT OR PLENUM SHALL BE SEPARATED FROM THE BUILDING EXTERIOR OR UNCONDITIONED OR EXEMPT SPACES BY A MINIMUM OF R-8 INSULATION IN CLIMATE ZONES 1 THRU 4 AND A MINIMUM OF R-12 INSULATION IN CLIMATE ZONE 5.

ACCESSIBILITY NOTES:

- THE INTERNATIONAL SYMBOL OF ACCESSIBILITY SIGN SHALL BE DISPLAYED AT ALL ACCESSIBLE RESTROOM FACILITIES AND AT ACCESSIBLE BUILDING ENTRANCES UNLESS AN ENTRANCE IS ACCESSIBLE. ACCESSIBLE ENTRANCES SHALL HAVE DIRECTIONAL SIGNS INDICATING THE ROUTE TO THE NEAREST ACCESSIBLE ENTRANCE.
- ACCESSIBLE DRINKING FOUNTAINS SHALL HAVE A SPOUT HEIGHT NO HIGHER THAN 36 INCHES ABOVE THE FLOOR AND EDGE OF BASIN NO HIGHER THAN 34 INCHES ABOVE THE FLOOR. INDIVIDUALS IN WHEELCHAIRS. ADDITIONALLY, DRINKING WATER PROVISIONS SHALL BE MADE FOR INDIVIDUALS WHO HAVE DIFFICULTY BENDING.
- WHERE STORAGE FACILITIES SUCH AS CABINETS, SHELVES, CLOSETS AND DRAWERS ARE PROVIDED IN TOILET ROOMS, THEY SHALL CONTAIN STORAGE SPACE COMPLYING WITH THE FOLLOWING: DOORS ETC. TO SUCH SPACES SHALL BE ACCESSIBLE (I.E. TOUCH LATCHES, U-SHAPED PULLS); SPACES SHALL BE 15 INCHES MINIMUM AND 48 INCHES MAXIMUM ABOVE THE FLOOR. FORWARD REACH: CLOTHES RODS OR COAT HOOKS SHALL BE A MAXIMUM OF 48 INCHES ABOVE THE FLOOR (46 INCHES MAXIMUM WHEN DISTANCE FROM WHEEL CHAIR TO ROD EXCEEDS 10 INCHES). SHELVES IN KITCHENS OR TOILET ROOMS SHALL BE A MAXIMUM OF 48 INCHES MAXIMUM ABOVE THE FLOOR.
- CONTROLS, DISPENSERS, RECEPTACLES AND OTHER OPERABLE EQUIPMENT SHALL BE NO HIGHER THAN 48 INCHES ABOVE THE FLOOR. RECEPTACLES ON WALLS SHALL BE MOUNTED NO LESS THAN 15 INCHES ABOVE THE FLOOR. EXCEPTION: HEIGHT LIMITATIONS DO NOT APPLY WHERE THE USE OF SPECIAL EQUIPMENT DICTATES OTHERWISE OR WHERE ELECTRICAL RECEPTACLES ARE NOT NORMALLY INTENDED FOR USE BY BUILDING OCCUPANTS.
- WHERE EMERGENCY WARNING SYSTEMS ARE PROVIDED, THEY SHALL INCLUDE BOTH AUDIBLE AND VISUAL ALARMS. THE VISUAL ALARMS SHALL BE LOCATED THROUGHOUT, INCLUDING RESTROOM, AND PLACED 80 INCHES ABOVE THE FLOOR OR 6 INCHES BELOW CEILING, WHICH EVER IS LOWER.
- ALL DOORS SHALL BE OPENABLE BY A SINGLE EFFORT. DOOR CLOSERS SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 90 DEGREES, THE TIME REQUIRED TO MOVE THE DOOR TO AN OPEN POSITION OF 12 DEGREES SHALL BE 5 SECONDS MINIMUM. THE MAXIMUM FORCE REQUIRED FOR PUSHING OR PULLING OPEN DOORS OTHER THAN FIRE DOORS SHALL NOT EXCEED 5 LBS. FOR ALL SLIDING, FOLDING, AND INTERIOR HINGED DOORS.
- FLOOR SURFACES SHALL BE STABLE, FIRM, AND SLIP-RESISTANT. CHANGES IN LEVEL BETWEEN 0.25 INCH AND 0.5 INCH SHALL BE BEVELLED WITH A SLOPE NO GREATER THAN 1:2. CHANGES IN LEVEL GREATER THAN 0.5 INCH REQUIRE RAMPS. CARPET TILE THICKNESS SHALL BE 0.5 MAX. GRATINGS IN FLOOR SHALL HAVE SPACES NO GREATER THAN 0.5 INCH WIDE IN ONE DIRECTION. DOORWAY THRESHOLDS SHALL NOT EXCEED 0.5 INCH IN HEIGHT.
- ACCESSIBLE WATER CLOSETS SHALL BE 17 INCHES TO 19 INCHES, MEASURED FROM THE FLOOR TO THE TOP OF THE SEAT. GRAB BARS SHALL BE 36 INCHES LONG MINIMUM WHEN LOCATED BEHIND WATER CLOSET AND 42 INCHES MINIMUM WHEN LOCATED ALONG SIDE OF WATER CLOSET, AND SHALL BE MOUNTED 33 INCHES TO 36 INCHES ABOVE THE FLOOR, IN ADDITION.
- ACCESSIBLE URINALS SHALL BE STALL-TYPE OR WALL HUNG WITH ELONGATED RIMS AT A MAXIMUM OF 17 INCHES ABOVE THE FLOOR.
- ACCESSIBLE LAVATORIES AND SINKS SHALL BE MOUNTED WITH THE RIM NO HIGHER THAN 34 INCHES ABOVE THE FLOOR. KNEE CLEARANCE OF AT LEAST 27 INCHES HIGH MUST BE PROVIDED WITH A MINIMUM DEPTH OF 8 INCHES BENEATH THE FIXTURE, AND 9 INCHES HIGH MINIMUM WITH A MINIMUM DEPTH OF 11 INCHES BENEATH THE FIXTURE. THE KNEE SPACE MUST BE AT LEAST 30 INCHES WIDE.
- HOT WATER AND DRAIN PIPES UNDER ACCESSIBLE LAVATORIES AND SINKS SHALL BE INSULATED OR OTHERWISE CONFIGURED TO PROTECT AGAINST CONTACT. INSULATION OR PROTECTION MATERIALS MAY BE SITE INSTALLED. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER ACCESSIBLE LAVATORIES AND SINKS.
- ACCESSIBLE LAVATORIES AND SINKS SHALL HAVE ACCESSIBLE FAUCETS (I.E. LEVER-OPERATED, PUSH TYPE, ELECTRICALLY CONTROLLED).
- MIRRORS LOCATED ABOVE LAVATORIES, SINKS OR COUNTERS SHALL BE MOUNTED WITH THE BOTTOM EDGE OF THE REFLECTING SURFACE A MAXIMUM OF 40 INCHES ABOVE THE FLOOR. OTHER MIRRORS IN TOILET ROOMS SHALL BE MOUNTED WITH THE BOTTOM EDGE OF THE REFLECTING SURFACE 35 INCHES MAXIMUM ABOVE THE FLOOR.
- GRAB BARS HAVING A CIRCULAR CROSS SECTION SHALL HAVE AN OUTSIDE DIAMETER OF 1.25 INCHES MINIMUM AND 2.0 INCHES MAXIMUM. THE SPACE BETWEEN THE GRAB BAR AND THE WALL SHALL BE 1.5 INCHES.
- WATER CLOSET FLUSH CONTROL SHALL BE INSTALLED A MAXIMUM OF 36 INCHES ABOVE THE FLOOR AND SHALL BE LOCATED ON THE OPEN SIDE OF THE WATER CLOSET.
- DOORS TO ALL ACCESSIBLE SPACES SHALL HAVE ACCESSIBLE HARDWARE (I.E. LEVER - OPERATED, PUSH TYPE, U-SHAPED) MOUNTED WITH OPERABLE PARTS BETWEEN 34 INCHES MINIMUM AND 48 INCHES MAXIMUM ABOVE THE FLOOR.
- TOILET STALL DOORS SHALL BE THE SELF-CLOSING TYPE.
- A TOWEL DISPENSER SHALL BE LOCATED ADJACENT TO ALL ACCESSIBLE LAVATORIES.

LIMITATIONS OF APPROVAL NJ

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

MECHANICAL NOTES:

- ALL SUPPLY AIR REGISTERS SHALL BE 24 INCHES X 24 INCHES ADJUSTABLE WITH 8 INCHES X 18 INCHES (INSIDE) OVERHEAD FIBERGLASS DUCT, UNLESS OTHERWISE SPECIFIED. DUCTS SHALL BE INSULATED PER THE REQUIREMENTS OF THE APPLICABLE ENERGY CODES
- INTERIOR DOORS SHALL BE UNDERCUT 1.5 INCHES ABOVE FINISHED FLOOR FOR AIR RETURN AND/OR AS NOTED ON FLOOR PLAN (FOR UNRATED DOORS)
- HVAC EQUIPMENT SHALL BE EQUIPPED W/OUTSIDE FRESH AIR INTAKES PROVIDING 5 CFM PER PERSON & 0.06 CFM PER SF. BLDG. AREA PER SECTION 403.3 OF THE IMC AND NMC.
- VENT FANS SHALL BE DUCTED TO THE EXTERIOR AND TERMINATE AT AN APPROVED VENT CAP.
- EXHAUST FANS SHALL PROVIDE A MINIMUM OF 70 CFM FOR EACH WATER CLOSET AND URINAL.
- THERMOSTATS MUST BE PROGRAMMABLE
- HEATING SYSTEM CONTROLS MUST BE CAPABLE TO BEING SET TO AUTOMATICALLY RESTART AND TEMPORARILY OPERATE THE SYSTEM TO MAINTAIN TEMPERATURES ABOVE AN ADJUSTABLE HEATING SETPOINT AT LEAST 10' F BELOW THE OCCUPIED HEATING SETPOINT. COOLING SYSTEM CONTROLS MUST BE CAPABLE OF BEING SET TO AUTOMATICALLY RESTART AND TEMPORARILY OPERATE THE MECHANICAL COOLING SYSTEM AS REQUIRED TO MAINTAIN TEMPERATURES BELOW AN ADJUSTABLE COOLING SETPOINT AT LEAST 1' F ABOVE THE OCCUPIED COOLING SET POINT OR TO PREVENT HIGH SPACE HUMIDITY LEVELS.

WINDOW & DOOR SPECIFICATIONS

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

N.C. INSTALLATION INSTRUCTIONS
ATTENTION LOCAL INSPECTIONS DEPARTMENT

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

- THE INTERCONNECTION BETWEEN BUILDING MODULES AT THE FLOOR AND ROOF SHALL BE SPECIFIED ON THE CROSS SECTION DRAWING ON THE PLAN SET.
- BUILDING THE DOWN AND ANCHORAGE REQUIREMENTS ARE AS INDICATED ON FOUNDATION PLAN.
- ELECTRICAL INTERCONNECTIONS BETWEEN BUILDING MODULES SHALL BE PER PAGES IM2 AND IM5 OF THE INSTALLATION INSTRUCTIONS (IF APPLICABLE).
- MECHANICAL INTERCONNECTIONS BETWEEN BUILDING MODULES SHALL BE PER PAGES IM4 AND IM7 OF THE INSTALLATION INSTRUCTIONS (IF APPLICABLE).
- PLUMBING INTERCONNECTIONS BETWEEN BUILDING MODULES SHALL BE PER PAGES IM2 AND IM5 OF THE INSTALLATION INSTRUCTIONS (IF APPLICABLE).
- FIRE BLOCKING SHALL BE PROVIDED PER SECTION 717.2 AND 1406.2.3 OF THE N.C. BUILDING CODE (AS APPLICABLE)
- AIR INFILTRATION AT MODULE MATE LINES SHALL BE LIMITED BY INSTALLING SILL TAPE ALONG THE MATE LINES DURING SET UP AND/OR BY INSTALLING CONTINUOUS SHEATHING ACROSS THE MATE LINE JOINTS AFTER SET UP.

ATTENTION LOCAL INSPECTIONS DEPARTMENT
SITE INSTALLED ITEMS

THE FOLLOWING ITEMS HAVE NOT BEEN COMPLETED BY THE MANUFACTURER, HAVE NOT BEEN INSPECTED BY EMC AND ARE NOT CERTIFIED BY THE STATE MODULAR LABEL. NOTE THAT THIS LIST DOES NOT NECESSARILY LIMIT THE ITEMS OF WORK AND MATERIAL THAT MAY BE REQUIRED FOR A COMPLETE INSTALLATION. ALL SITE RELATED ITEMS ARE SUBJECT TO LOCAL JURISDICTION APPROVAL. CODE COMPLIANCE MUST BE DETERMINED AT THE LOCAL LEVEL.

- THE COMPLETE FOUNDATION SUPPORT AND THE DOWN SYSTEM.
- RAMP, STAIRS AND GENERAL ACCESS TO THE BUILDING.
- PORTABLE FIRE EXTINGUISHER(S).
- BUILDING DRAINS, CLEANOUTS, DRINKING FOUNTAIN, SERVICE SINK, HOOK-UP TO PLUMBING SYSTEM.
- ELECTRICAL SERVICE HOOK-UP (INCLUDING FEEDERS) TO THE BUILDING.
- GLAZING OPENING PROTECTION-SEE GENERAL NOTE 10
- GUTTER AND DOWN SPOUTS.
- EXIT DISCHARGE LIGHTING (INCLUDING EMERGENCY)

STATEMENT OF SPECIAL INSPECTIONS (IBC SECTION 1704.3)

THE FOLLOWING MATERIALS, SYSTEMS COMPONENTS OR WORK REQUIRE SPECIAL INSPECTIONS IN ACCORDANCE WITH IBC SECTION 1705.

- SOILS-PERIODIC
- CONCRETE FOOTINGS-EXEMPT PER 1705.3 EXCEPTION #1
- MASONRY PIERS-PERIODIC
- BUILDING ANCHORAGE SYSTEM-PERIODIC
- ON SITE STRUCTURAL INTERCONNECTIONS BETWEEN BUILDING MODULES-PERIODIC
- SPECIAL INSPECTIONS OF THE FACTORY BUILT MODULAR UNITS IS NOT REQUIRED DURING PRODUCTION IN THE FACTORY PER IBC SECTION 1704.2.5.1. THE MODULAR BUILDING MANUFACTURER IS AN APPROVED FABRICATOR OF PREMANUFACTURED BUILDINGS UNDER THE MARYLAND INDUSTRIALIZED BUILDING PROGRAM AND IS THEREFORE APPROVED TO MANUFACTURE WITHOUT SPECIAL INSPECTIONS

SPECIAL CONDITIONS AND REQUIREMENTS

- ANY SITE ADDED STRUCTURES MUST BE INDEPENDENT OF THE FACTORY BUILDING UNLESS THE ENTIRE BUILDING IS REEVALUATED BY THE SITE ENGINEER.
- TYPICAL FOUNDATION LAYOUT SHOWN IN THIS PACKAGE IS TO AID THE SITE ENGINEER/ARCHITECT FOR LOCATIONS OF REQUIRED SUPPORTS. ACTUAL FOUNDATION MUST BE DESIGNED TO SITE CONDITIONS FOR ALL APPLICABLE LOADS. THIS INCLUDES BUT IS NOT LIMITED TO CONSTRUCTION OF THE FOUNDATION, SEISMIC DESIGN AND ATTACHING THE BUILDING TO THE FOUNDATION, ALONG WITH THE RESISTANCE TO LATERAL, LONGITUDINAL SHEAR, UPLIFT AND DOWNWARD FORCES IN BOTH DIRECTIONS. REFER TO BRACING PAGE FOR APPLICABLE BRACING/SEISMIC LOADS FOR ATTACHING THE BUILDING TO FOUNDATIONS.
- ARCHITECT/ENGINEER SEAL APPLIES ONLY TO FACTORY MANUFACTURED STRUCTURAL PORTION OF THE BUILDING. SEAL DOES NOT APPLY TO SITE INSTALLED ELEMENTS OR PORTIONS BUILT ON SITE SUCH AS, BUT NOT LIMITED TO: FOUNDATION, BRACING THE DOWN TO FOUNDATION, EXTERIOR STEPS, OR OTHER SITE WORKS. SITE WORK MUST BE DESIGNED BY OTHERS FOR SITE CONDITIONS, UNDER LOCAL JURISDICTION.

MARYLAND, VA, NJ, STRUCTURAL LOAD LIMITATIONS:

FLOOR DEAD AND LIVE LOAD:
A. DEAD LOAD = 12 PSF (AVERAGE)
B. UNIFORM LIVE LOAD = 50 PSF, 100 PSF BREAKROOM
C. CONCENTRATED LIVE LOAD = 2000 LB. OVER 30 INCH X 30 INCH AREA LOCATED ANYWHERE ON FLOOR. NOTE: UNIFORM AND CONCENTRATED LIVE LOADS ARE NOT SIMULTANEOUSLY APPLIED.

ROOF DEAD AND LIVE LOAD:
A. DEAD LOAD = 13 PSF (AVERAGE)
B. LIVE LOAD = 30 PSF

ROOF SNOW LOAD:
A. GROUND SNOW LOAD: Pg = 40 PSF
B. FLAT-ROOF SNOW LOAD: Pf = 30.8 PSF
C. SNOW EXPOSURE FACTOR: Ce = 1.0
D. SNOW IMPORTANCE FACTOR: Is = 1.0
E. SNOW THERMAL FACTOR: Ct = 1.1
F. ROOF SLOPE FACTOR: Cs = 1.0
G. SLOPED ROOF SNOW LOAD: Ps = Pf X Cs
H. DESIGN IS BASED ON FULL OR PARTIALLY EXPOSED ROOF PER ASCE 7-16.

WIND LOAD:
A. BASIC WIND SPEED (3-SEC GUST): V = 150 MPH
B. ASO WIND SPEED (3-SEC GUST): Vasd = 116 MPH
C. RISK CATEGORY: II
D. WIND EXPOSURE CATEGORY: II
E. INTERNAL PRESSURE COEFFICIENT: Gcpi = 0.18
F. COMPONENT & CLADDING BASIC DESIGN PRESSURES (ASD DESIGN PRESSURE) FOR ROOF ANGLES 0 TO 7 DEGREES:
WALL ZONE 1: P = +/- 65.6 PSF (Posd = +/- 39.3 PSF)
WALL ZONE 2: P = +/- 53.1 PSF (Posd = +/- 31.9 PSF)
ROOF ZONE 1: P = +/- 140.2 PSF (Posd = +/- 84.1 PSF)
ROOF ZONE 2: P = +/- 103.0 PSF (Posd = +/- 61.8 PSF)
ROOF ZONE 3: P = +/- 76.0 PSF (Posd = +/- 46.8 PSF)
ROOF ZONE 4: P = +/- 44.8 PSF (Posd = +/- 29.4 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:
Sa = 0.13, S1 = 0.043
Se1 = 0.138, Se2 = 0.068
E. SEISMIC DESIGN CATEGORY IS B
F. SEISMIC FORCE RESISTING SYSTEM IS A1.3
G. EQUIVALENT LATERAL FORCE ANALYSIS PROCEDURE
H. RESPONSE MODIFICATION FACTOR R = 6.5
I. SEISMIC RESPONSE COEFFICIENT C = 0.02
J. DESIGN BASE SHEAR V = 2193 LBS

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

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

OTHER STATE STRUCTURAL LOAD LIMITATIONS:

FLOOR DEAD AND LIVE LOAD:
A. 50 PSF, 100 PSF BREAKROOM
B. 2000 CONCENTRATED LOAD OVER 30 INCH X 30 INCH AREA LOCATED ANYWHERE ON FLOOR.

ROOF LIVE LOAD:
A. 30 PSF

ROOF SNOW LOAD:
A. GROUND SNOW LOAD: Pg = 40 PSF
B. FLAT-ROOF SNOW LOAD: Pf = 30.8 PSF
C. SNOW EXPOSURE FACTOR: Ce = 1.0
D. SNOW IMPORTANCE FACTOR: Is = 1.0
E. SNOW THERMAL FACTOR: Ct = 1.1
F. ROOF SLOPE FACTOR: Cs = 1.0
G. SLOPED ROOF SNOW LOAD: Ps = Pf X Cs
H. DESIGN IS BASED ON FULL OR PARTIALLY EXPOSED ROOF PER ASCE 7-10.

WIND LOAD:
A. ULTIMATE WIND SPEED (3-SEC GUST): Vu1 = 150 MPH
B. NOMINAL WIND SPEED (3-SEC GUST): Vnom = 116 MPH
C. RISK CATEGORY: II
D. WIND EXPOSURE CATEGORY: II
E. INTERNAL PRESSURE COEFFICIENT: Gcpi = 0.18
F. COMPONENT & CLADDING ULTIMATE DESIGN PRESSURES (NOMINAL DESIGN PRESSURE) FOR ROOF ANGLES 0 TO 7 DEGREES:
WALL ZONE 1: P = +/- 65.6 PSF (Posd = +/- 39.3 PSF)
WALL ZONE 2: P = +/- 53.1 PSF (Posd = +/- 31.9 PSF)
ROOF ZONE 1: P = +/- 140.2 PSF (Posd = +/- 84.1 PSF)
ROOF ZONE 2: P = +/- 103.0 PSF (Posd = +/- 61.8 PSF)
ROOF ZONE 3: P = +/- 76.0 PSF (Posd = +/- 46.8 PSF)
ROOF ZONE 4: P = +/- 44.8 PSF (Posd = +/- 29.4 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:
Sa = 0.13, S1 = 0.043
Se1 = 0.138, Se2 = 0.068
E. SEISMIC DESIGN CATEGORY IS B
F. SEISMIC FORCE RESISTING SYSTEM IS A1.3
G. EQUIVALENT LATERAL FORCE ANALYSIS PROCEDURE
H. RESPONSE MODIFICATION FACTOR R = 6.5
I. SEISMIC RESPONSE COEFFICIENT C = 0.02
J. DESIGN BASE SHEAR V = 2193 LBS

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

DRAWING INDEX

1	OF 6	COVER SHEET
2	OF 6	FLOOR PLAN
3	OF 6	ELECT PLAN
4	OF 6	MECH PLAN
5	OF 6	ELEVATIONS
6	OF 6	CROSS SECTION
LF-1		LIFE SAFETY PLAN
AD-1		ACCESSIBLE DETAILS

EMC
R. JOHNSON
APPROVED
10 12 2021

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License No. 41056, Expiration Date: 10/12/23

MARYLAND SERIAL NO.:
9527A, 9527B, 9527C, 9527D, 9527E

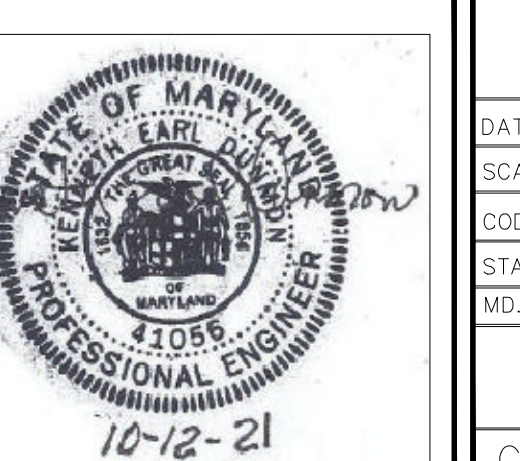
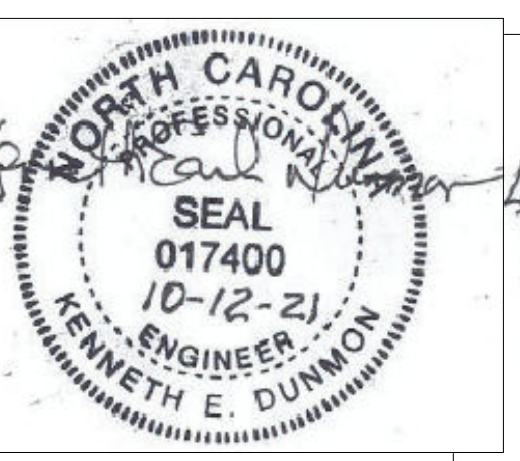
NEW JERSEY

CONSULTING ARCHITECT
ROBERT E. GREGG R.A. LIC.#15414
18167 US 19 NORTH-SUITE 120
CLEARWATER, FL 33764 (727) 644-8193

CONSULTING ENGINEER
KENNETH EARL DUNNOM
Lic. No. 042018587
10-12-21

BUILDING DESIGN PARAMETERS

1. USE/OCCUPANCY:	BUSINESS
2. CONSTRUCTION TYPE:	VB
3. SPRINKLER SYSTEM:	NO
4. BUILDING AREA:	2920 SF
5. BUILDING HEIGHT:	5.15 FEET
6. NUMBER OF STORIES:	1
7. NUMBER OF MODULES:	5
8. OCCUPANT LOAD 30, BASED ON 100 SF/PERSON	
OCCUPANT LOAD 20, BASED ON 150 SF/PERSON	
(2018 IBC)	
9. EXTERIOR WALL FIRE RATINGS:	NOT RATED
10. THIS BUILDING MUST BE INSTALLED WITH THE FIRE SEPARATION DISTANCES REQUIRED BY IBC & NIBC 602 AND SECTION 705.3.	
11. ENERGY CODE COMPLIANCE: SEE ATTACHED ENERGY CALCULATIONS.	
12. MANUFACTURERS DATA PLATE, STATE LABELS AND LABELS ARE TO BE LOCATED ADJACENT TO ELECTRICAL PANEL.	



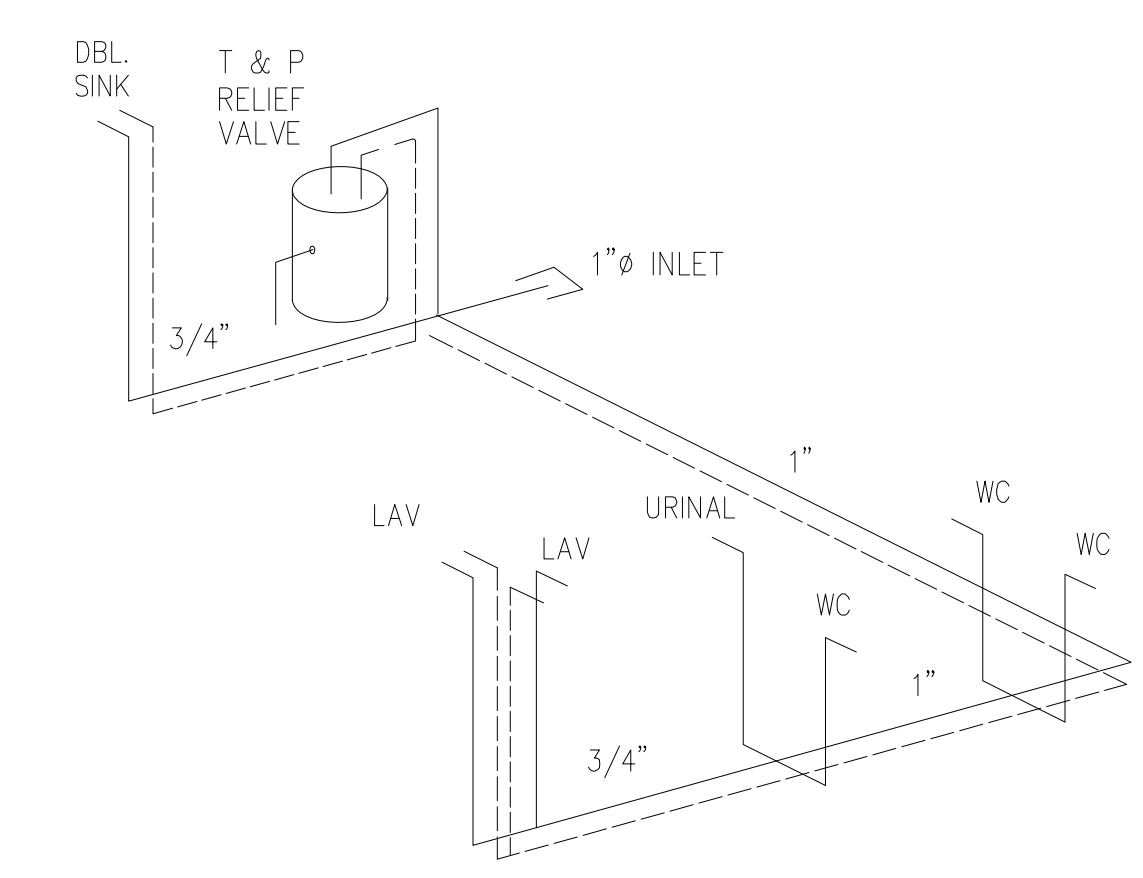
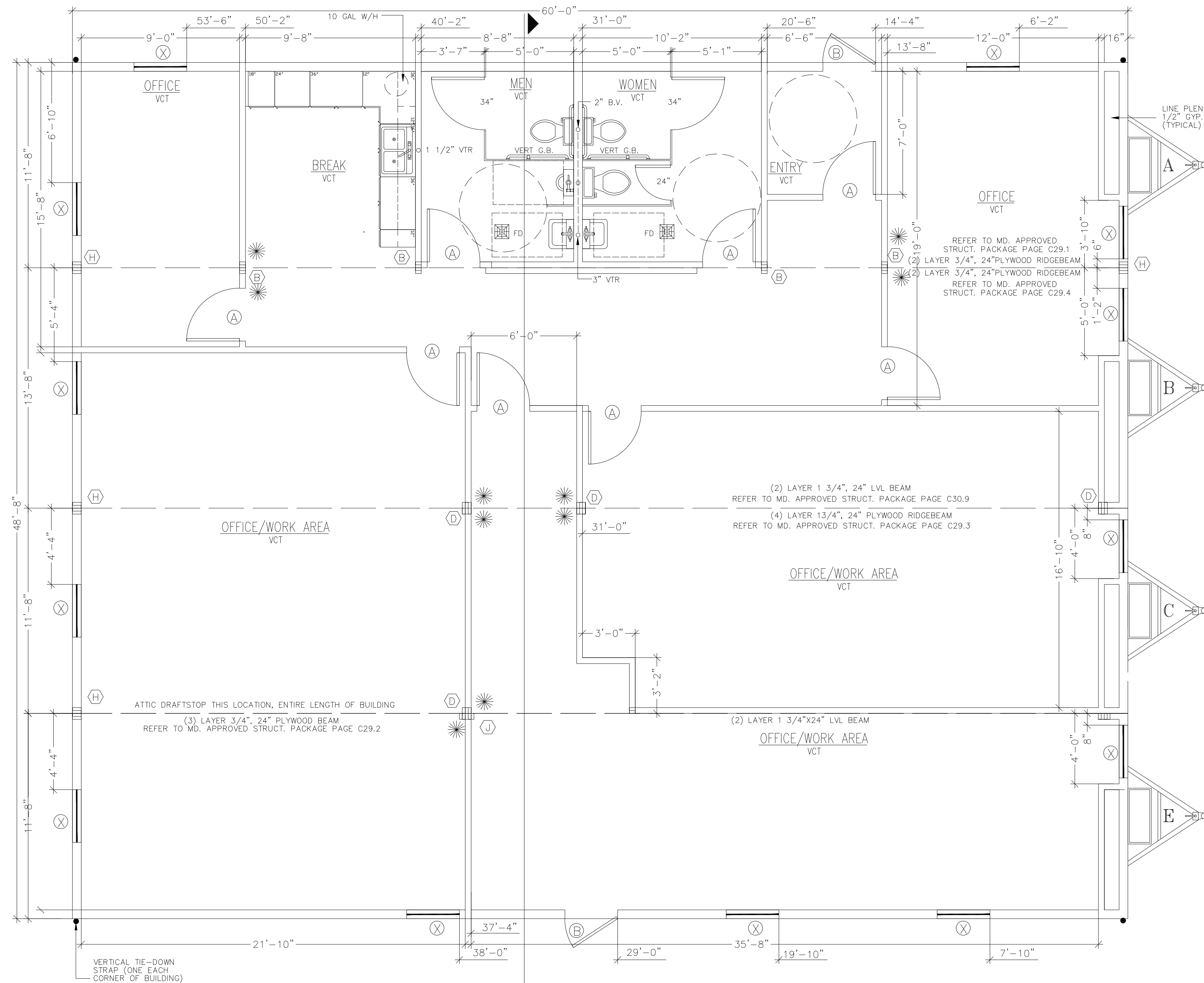
CODE SUMMARY:

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

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

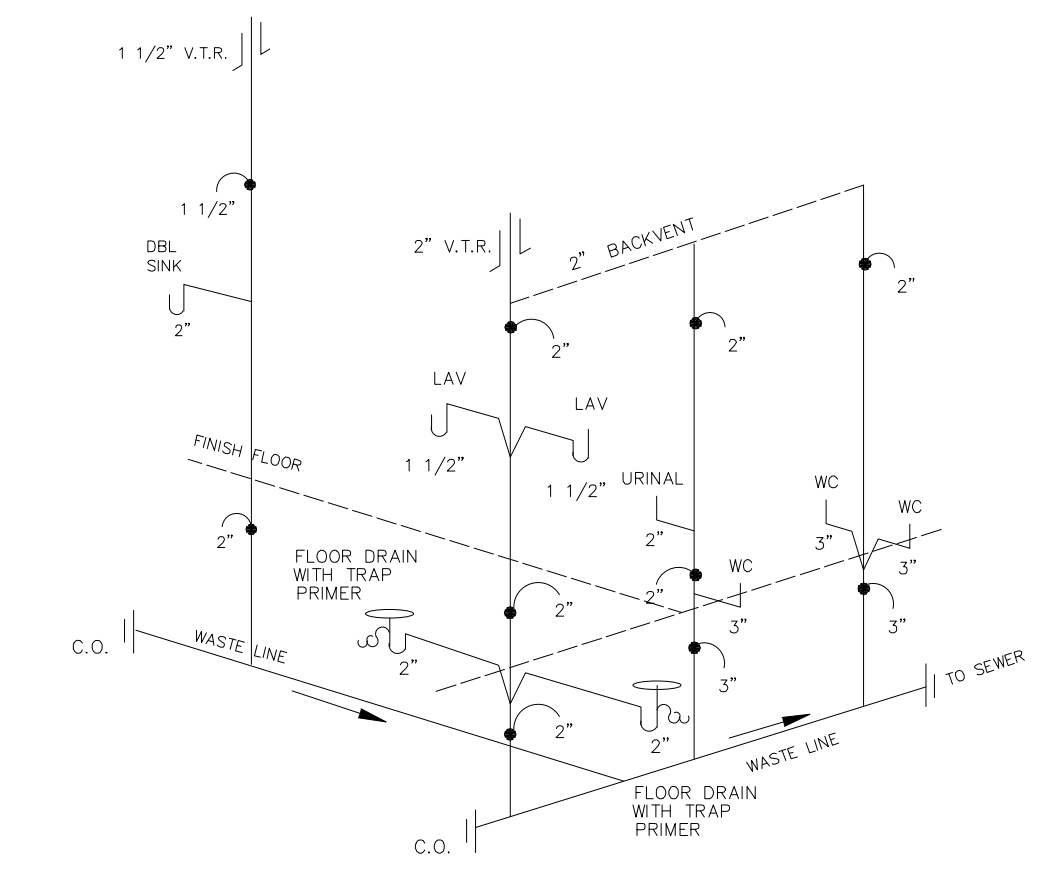
DIAMOND BUILDERS INC.
P.O. BOX 2200, 440 THOMPSON DR. DOUGLASS, GEORGIA 31534 (912) 384-7080

DATE: 9-25-21 REVISIONS: BY: K.E.D.
SCALE: NO SCALE
CODES: SEE NOTES
STATES: MD, VA, NC, NJ BY: R.E.G.
MD. PLAN NO: DBI-9527 MD
60'-4" x 60'-0" BUSINESS SHEET
COVER SHEET DESTINATION: ANDREWS A.F.B., MD 1 OF 6



SUPPLY RISER -NTS-

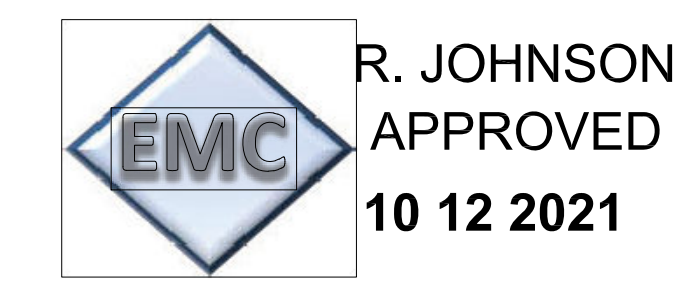
SUPPLY LINE SIZING IS BASED ON AN ASSUMED AVAILABLE PRESSURE OF 48 TO 60 PSI AT MAIN INLET AND SHOULD BE VERIFIED PRIOR TO CONSTRUCTION.
 -----HOT
 -----COLD
 ALL SUPPLY LINES SHALL BE 3/4", ALL STUB-UPS SHALL BE 1/2" UNLESS OTHERWISE SPECIFIED.



DWV RISER NTS

DWV RISER NOTES:

1. THE DWV RISER INDICATES ONE METHOD OF INSTALLING THE BELOW THE FLOOR PIPING. OTHER APPROVED METHODS MAY BE USED AS NEEDED TO ACCOMMODATE THE ACTUAL SITE CONDITIONS.
2. ALL BELOW FLOOR PIPING AND FITTINGS ARE TO BE SUPPLIED AND INSTALLED ON SITE BY OTHERS.
3. 1 1/2 INCH AND 2 INCH HORIZONTAL DRAIN LINES SHALL BE INSTALLED WITH A SLOPE OF 1/4 INCH PER FOOT.
4. 3 AND 4 INCH HORIZONTAL DRAIN LINES SHALL BE INSTALLED WITH A SLOPE OF 1/8 INCH PER FOOT.
5. BELOW FLOOR HORIZONTAL DRAIN LINES ARE 3 INCH MINIMUM DIAMETER UNLESS INDICATED OTHERWISE.
6. A MAXIMUM OF 3 WATER CLOSETS MAY DISCHARGE INTO A 3 INCH LINE.
7. CHANGES IN DIRECTION SHALL BE MADE WITH FITTINGS AS INDICATED IN TABLE 706.3. VERTICAL TO HORIZONTAL AND HORIZONTAL TO HORIZONTAL CHANGES OF DIRECTION ARE TO BE MADE WITH LONG SWEEP FITTINGS.



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 License No. 41056, Expiration Date: 10/17/23

SYMBOL	DOOR SCHEDULE	TOTAL
A	36"x80" HOLLOW CORE IMPERIAL OAK W/REDIFRAME	8
B	36"x80" STEEL/STEEL W/10"x10" VIEW PANEL	2
SYMBOL WINDOW SCHEDULE		TOTAL
X	36"x60" VERTICAL SLIDE, INSULATED WHITE VINYL	13

DOOR HARDWARE:
 LEVER PRIVACY: RESTROOMS
 KEVED LEVER LOCKSET (EXTERIOR DOORS)
 LEVER PASSE: OFFICES

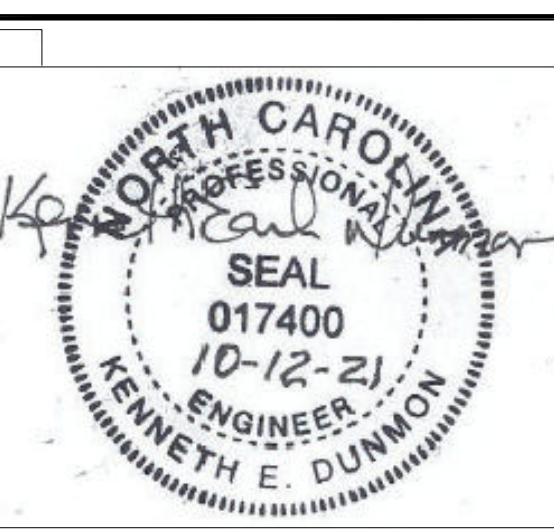
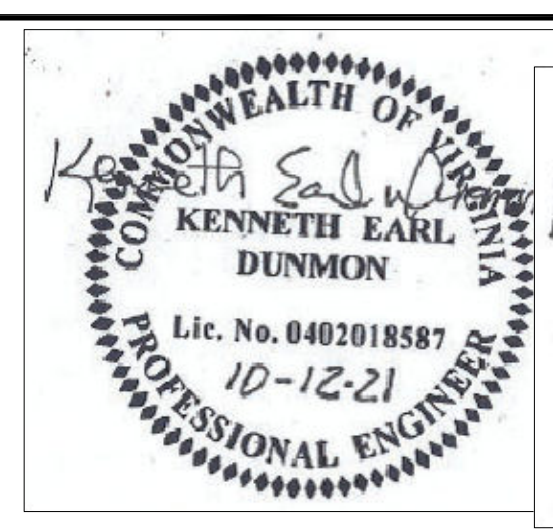
COLUMN STRAPPING SCHEDULE:

(A)	(2) 2x4 SPF #2 THIS HALF.	(B)	(2) 2x4 SPF #2 EACH HALF
(C)	(3) 2x4 SPF #2 THIS HALF.	(D)	(3) 2x4 SPF #2 EACH HALF.
(E)	(4) 2x4 SPF #2 THIS HALF.	(F)	(4) 2x4 SPF #2 EACH HALF.
(G)	(5) 2x4 SPF #2 THIS HALF.	(H)	(2) 2x6 SPF #2 EACH HALF.

WITH RIDGE BEAM BEARING STIFFENER

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

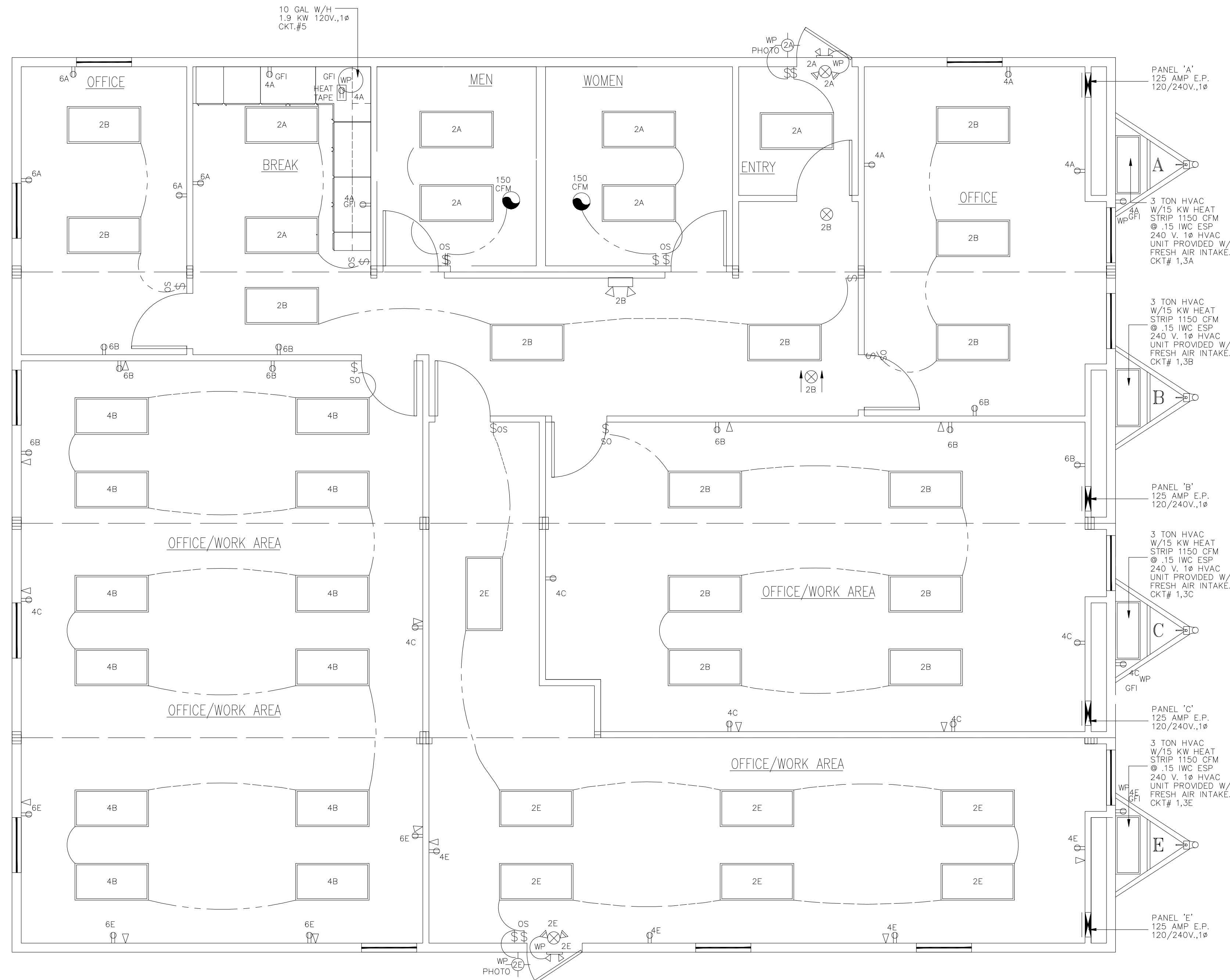
NEW JERSEY
 CONSULTING ARCHITECT
 ROBERT E. GREGG R.A. LIC.#15414
 18167 US 19 NORTH-SUITE 120
 CLEARWATER, FL. 33764 (727) 644-8193



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

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

DATE: 9-25-21 REVISIONS: BY: K.E.D.
 SCALE: NO SCALE
 CODES: SEE NOTES
 STATES: MD, VA, NC, NJ BY: R.E.G.
 MD. PLAN NO: DBI-9527 MD
 DBI9527 A-E SHEET
 60'-4" x 60'-0" BUSINESS 2 OF 6
 FLOOR PLAN DESTINATION: AUSTINS A.F.B., MD



ELECTRICAL SCHEDULE 'B'

CIRCUIT	NOMENCLATURE	BREAKER (AMPS)	WIRE (CU.)
1, 3	HVAC	90 A (2P) HACR	4-2 #8 DRND.
6	RECEPTACLES	20 A	12-2 NM
2, 4	LIGHTING	15 A	14-2 MC

ELECTRICAL PANEL SIZING:

DESCRIPTION	PANEL 'B'	KVA
GENERAL LIGHTING		
0.035 KW/SF X 2132 SF X 1.25=	9.4	
3 RECEPTS AT 180VA/1000=	1.8	
WATER HEATER 1.9 KW X 1.25 =	2.4	
3 FANS AT 3 KW X 1.25=	11.3	
HVAC		
TOTAL	26.9 KW	
TOTAL/240 X 1000=	112 AMPS	
INSTALL 125 AMP PANEL		
120/240 V. 1Ø		

ELECTRICAL SCHEDULE 'A'

CIRCUIT	NOMENCLATURE	BREAKER (AMPS)	WIRE (CU.)
1, 3	HVAC	90 A (2P) HACR	4-2 #8 DRND.
5	WATER HEATER	20 A(1P)	12-2 NM
4, 6	RECEPTACLES	20 A	12-2 NM
2	LIGHTING/FAN	15 A	14-2 MC

ELECTRICAL PANEL SIZING:

DESCRIPTION	PANEL 'A'	KVA
GENERAL LIGHTING		
0.035 KW/SF X 536 SF X 1.25=	2.4	
11 RECEPTS AT 180VA/1000=	2.0	
WATER HEATER 1.9 KW X 1.25 =	2.4	
3 FANS AT 3 KW X 1.25=	11.3	
HVAC		
TOTAL	23.5 KW	
TOTAL/240 X 1000=	98 AMPS	
INSTALL 125 AMP PANEL		
120/240 V. 1Ø		

ELECTRICAL SCHEDULE 'C'

CIRCUIT	NOMENCLATURE	BREAKER (AMPS)	WIRE (CU.)
1, 3	HVAC	90 A (2P) HACR	4-2 #8 DRND.
4, 6	RECEPTACLES	20 A	12-2 NM

ELECTRICAL PANEL SIZING:

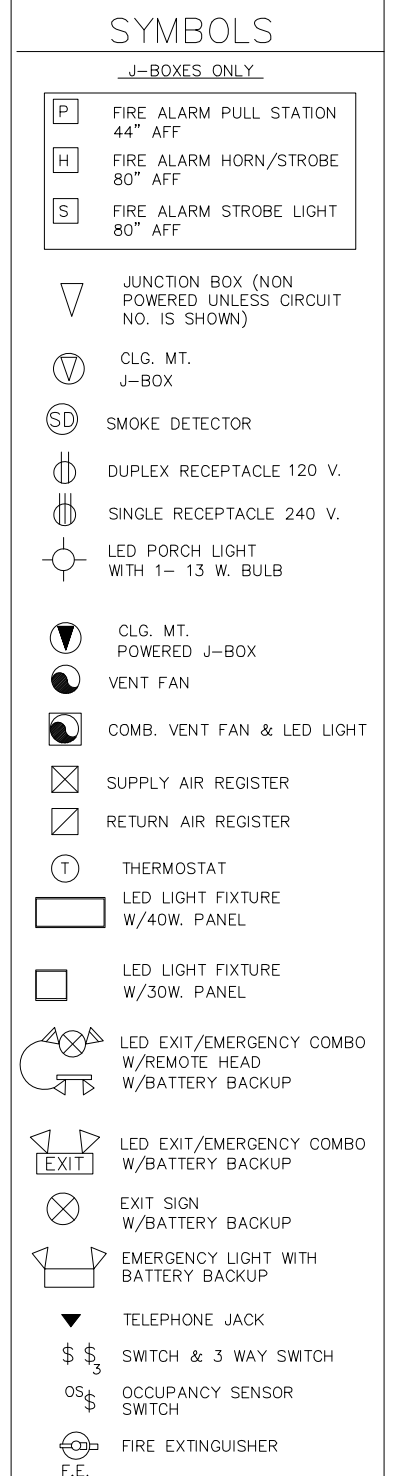
DESCRIPTION	PANEL 'C'	KVA
GENERAL LIGHTING		
3 RECEPTS AT 180VA/1000=	1.8	
WATER HEATER 1.9 KW X 1.25 =	2.4	
3 FANS AT 3 KW X 1.25=	11.3	
HVAC		
TOTAL	17.2 KW	
TOTAL/240 X 1000=	72 AMPS	
INSTALL 125 AMP PANEL		
120/240 V. 1Ø		

ELECTRICAL SCHEDULE 'E'

CIRCUIT	NOMENCLATURE	BREAKER (AMPS)	WIRE (CU.)
1, 3	HVAC	90 A (2P) HACR	4-2 #8 DRND.
4, 6	RECEPTACLES	20 A	12-2 NM
2	LIGHTING	15 A	14-2 MC

ELECTRICAL PANEL SIZING:

DESCRIPTION	PANEL 'E'	KVA
GENERAL LIGHTING		
0.035 KW/SF X 952 SF X 1.25=	4.2	
3 RECEPTS AT 180VA/1000=	1.8	
WATER HEATER 1.9 KW X 1.25 =	2.4	
3 FANS AT 3 KW X 1.25=	11.3	
HVAC		
TOTAL	21.7 KW	
TOTAL/240 X 1000=	91 AMPS	
INSTALL 125 AMP PANEL		
120/240 V. 1Ø		



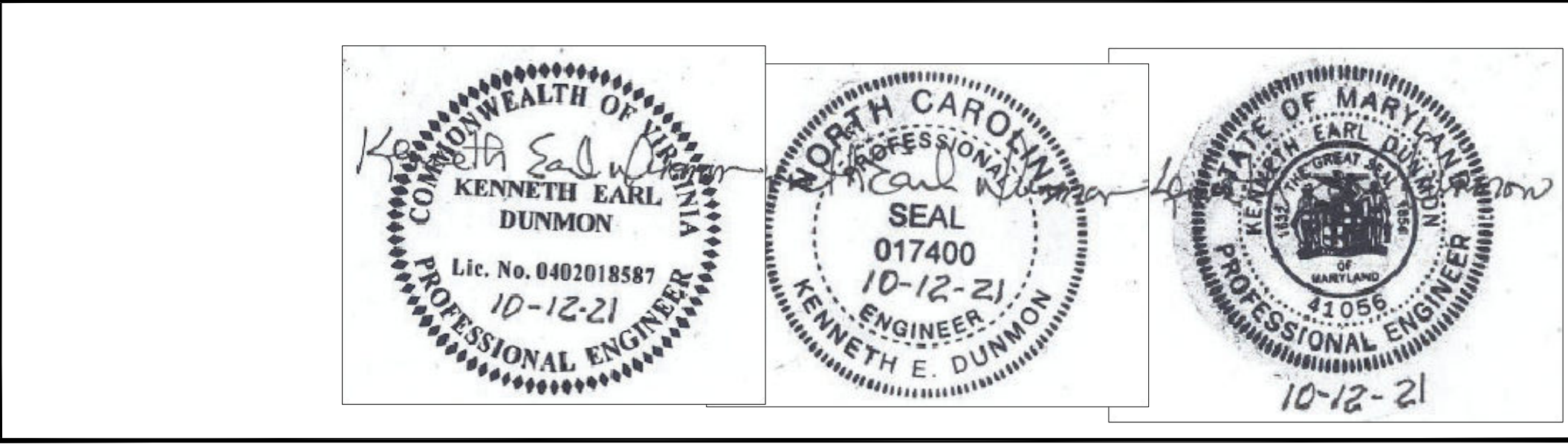
EMC R. JOHNSON APPROVED 10 12 2021

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License No. 41056 Expiration Date: 10/17/23

NEW JERSEY

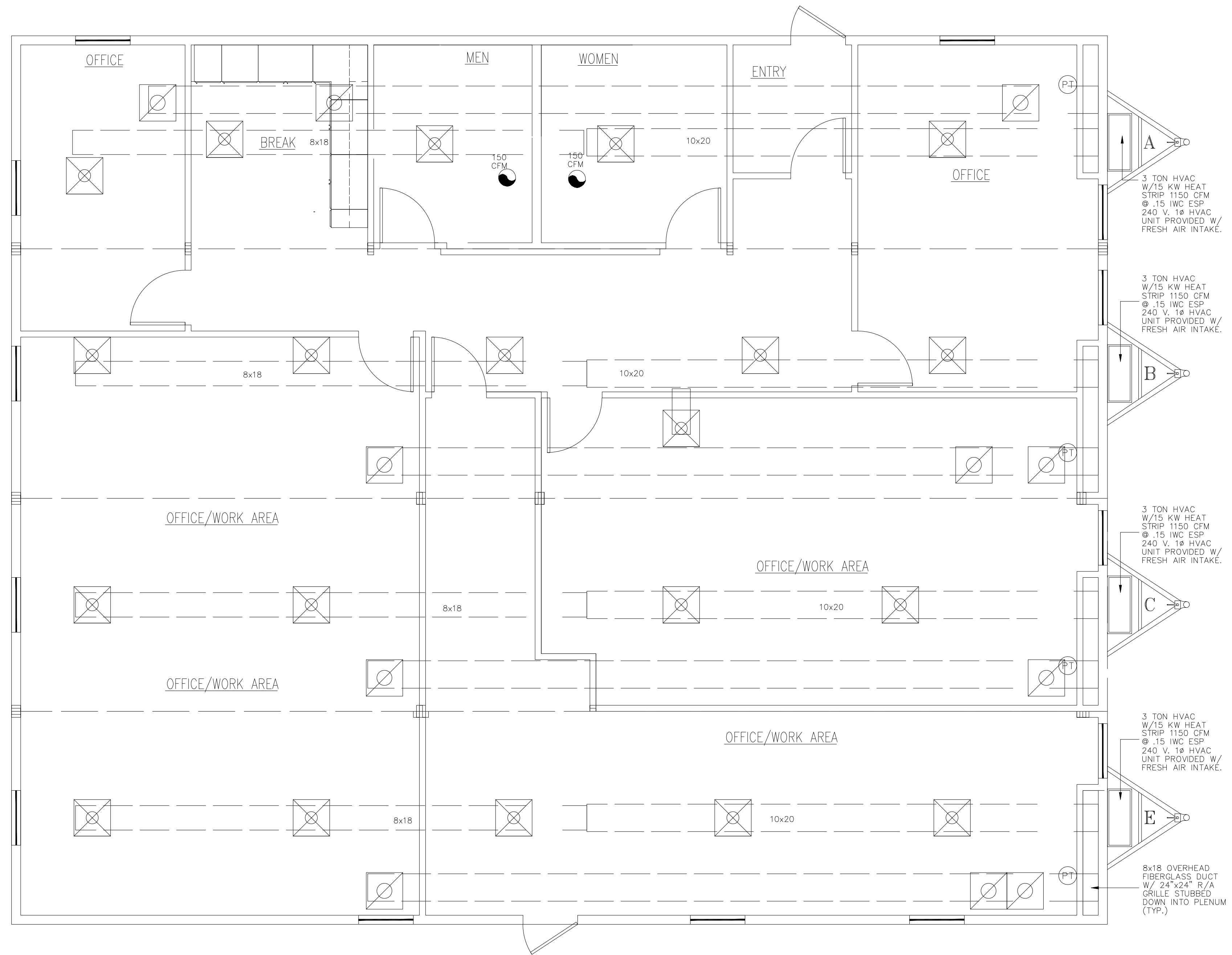
CONSULTING ENGINEER KENNETH EARL DUNMON — P.O. BOX 6853 — AMERICUS, GEORGIA 31719 — 229-942-2020

CONSULTING ARCHITECT
ROBERT E. GREGG R.A. LIC.#15414
18167 US 19 NORTH-SUITE 120
CLEARWATER, FL. 33764 (727) 644-8193



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

DATE: 9-25-21	REVISIONS:	BY:
SCALE: NO SCALE		K.E.D.
CODES: SEE NOTES		
STATES: MD, VA, NC, NJ		R.E.G.
MD. PLAN NO: DBI-9527 MD		
DBI9527 A-E 60'-4" x 60'-0" BUSINESS		SHEET
ELECTRICAL		3 OF 6
DESTINATION: ANDREWS A.F.B., MD.		



LEGEND

- 24"x24" RETURN AIR GRILLE
- 24"x24" SUPPLY AIR GRILLE
- EXHAUST FAN
- 6"x10" SUPPLY AIR GRILLE
- THERMOSTAT PROGRAMMABLE

NOTES:

ACOUSTICAL CEILING TILE INSTALLED PER MANUFACTURERS SPECIFICATIONS (MOISTURE RESISTANT IN RESTROOMS) BY OTHERS.

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

SEE ATTACHED BARD SPECIFICATIONS FOR ALL REQUIREMENTS AND INFORMATION REGARDING HVAC INSTALLATION AND OPERATING PROCEDURES

SPRINKLER HEADS THAT COME INTO INTSALLATION PROBLEM DUE TO LIGHTS AND HVAC GRILLES WILL BE MOVED AS LITTLE AS POSSIBLE

R. JOHNSON APPROVED
10 12 2021

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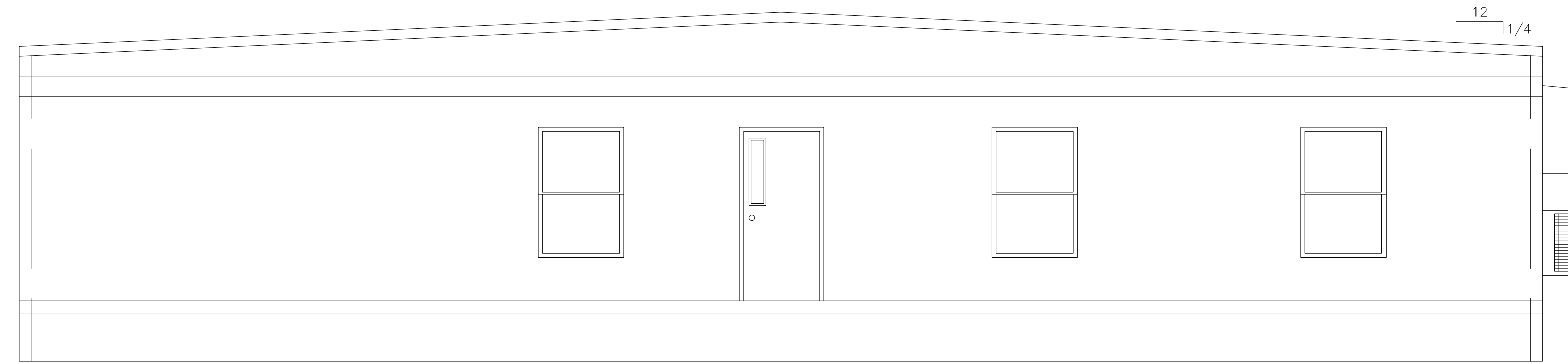
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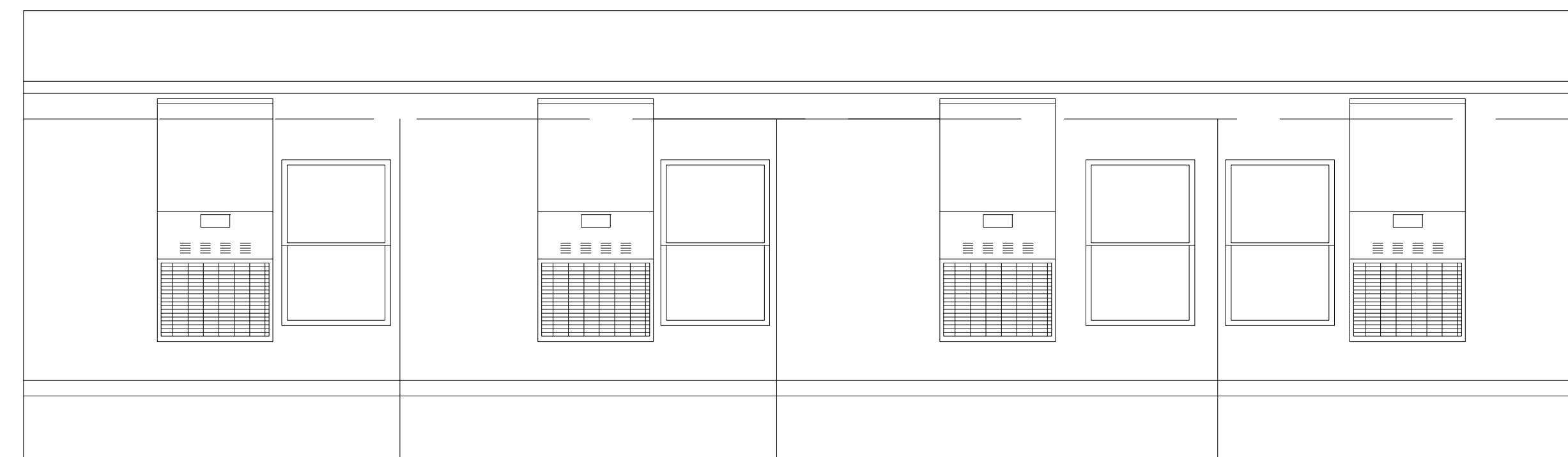
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MD. PLAN NO: DBI-9527 MD		SHEET
DBI9527 A-E 60'-4" x 60'-0" BUSINESS		4 OF 6
MECHANICAL	DESTINATION:	
	ANDREWS A.F.B., MD.	



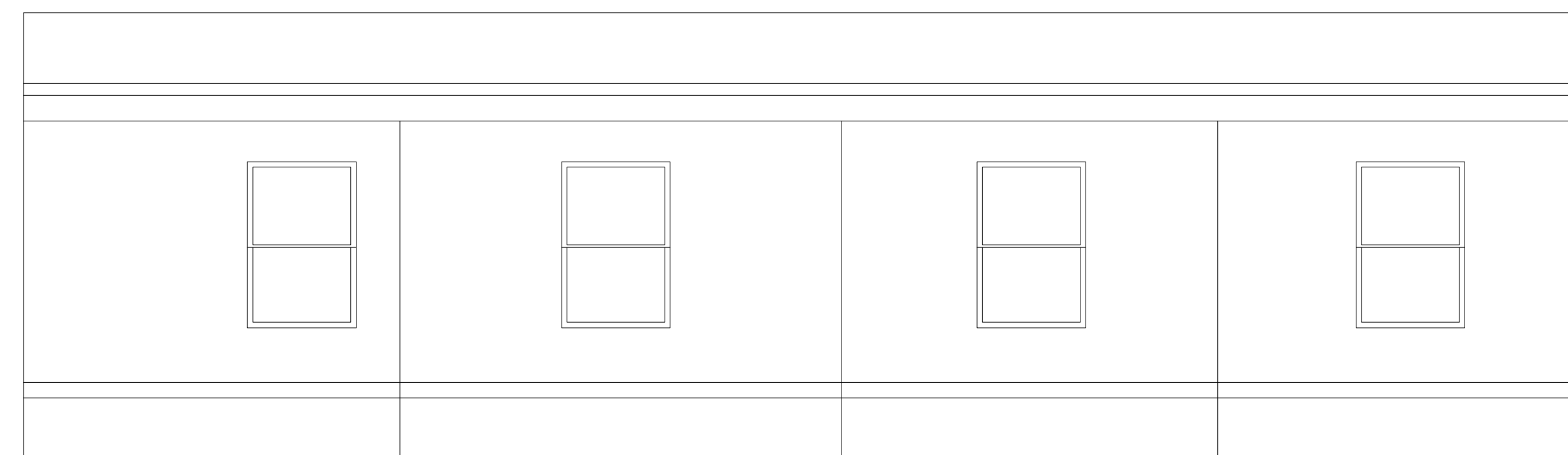
REAR ELEVATION



FRONT ELEVATION

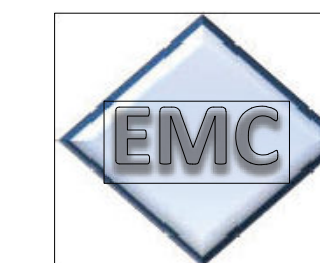


RIGHT ELEVATION



LEFT ELEVATION

ELEVATION NOTES: TYPICAL
 SEE-CROSS SECTION FOR METHOD OF ROOF VENTILATION
 ACCESSIBLE RAMP(S), STAIR(S), AND HANDRAILS ARE SITE INSTALLED, DESIGNED BY OTHERS, AND SUBJECT TO LOCAL JURISDICTION.
 FOUNDATION ENCLOSURE (WHEN PROVIDED) MUST HAVE 1 SQUARE FOOT NET VENT AREA PER 1/150TH OF THE FLOOR AREA, AND AN 18" X 24" MINIMUM CRAWL SPACE ACCESS, SITE INSTALLED BY OTHERS, SUBJECT TO LOCAL JURISDICTION.
 ELEVATIONS SHOWN ON THIS PAGE REPRESENT BASIC COMPONENTS & ARE NOT INTENDED TO BE ALL INCLUSIVE NOR DO THESE ELEVATIONS DETAIL EVERY CODE REQUIRED ASPECT OF THIS BLDG.. SITE BUILT STOOPS, STEPS, DECKS, PORCHES, HANDRAILS AND/OR SIMILAR ITEMS MUST BE PROVIDED BY OTHERS ON SITE FOR COMPLIANCE WITH APPLICABLE CODES. COMPLIANCE WITH ALL APPLICABLE CODES PER LOCAL AUTHORITY HAVING JURISDICTION, WHETHER DETAILED IN THIS SET OR NOT, MUST BE MET



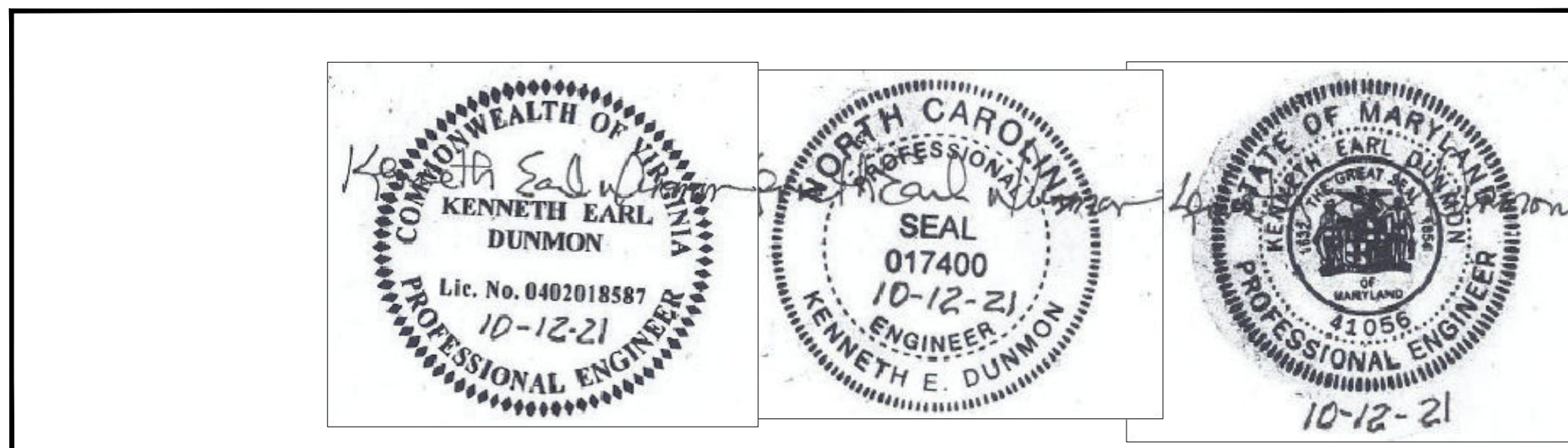
R. JOHNSON
 APPROVED
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NEW JERSEY

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

CONSULTING ARCHITECT
 ROBERT E. GREGG R.A. LIC.#15414
 18167 US 19 NORTH-SUITE 120
 CLEARWATER, FL 33764 (727) 644-8193



DIAMOND BUILDERS INC. P.O. BOX 2200 440 THOMPSON DR. DOUGLASS, GEORGIA 31534 (912) 384-7080		
DATE: 9-25-21	REVISIONS:	BY:
SCALE: 3/16"=1'-0"		K.E.D.
CODES: SEE NOTES		BY:
STATES: MD, VA, NC, NJ		R.E.G.
MD. PLAN NO: DBI-9527 MD		SHEET
DBI9527 A-E		5 OF 6
60'-4" x 60'-0" BUSINESS		
ELEVATIONS	DESTINATION:	
	ANDREWS A.F.B., MD.	

EXTERIOR FINISH MATERIAL:

ROOF - MULE-HIDE 60 MIL (BLACK) EPDM (ESR-1463) FULLY ADHERED TO 7/16" OSB OR 1/2" PLYWOOD WITH MULE-HIDE FR ADHESIVE IN ACCORDANCE WITH INTERTEK REPORT CCCR-1078 (CLASS C ROOF)

WALL - 7/16" SMART PANEL SIDING OVER APPROVED MOISTURE BARRIER OVER APA RATED SHEATHING INSTALLED PER MANUFACTURERS SPECIFICATIONS.

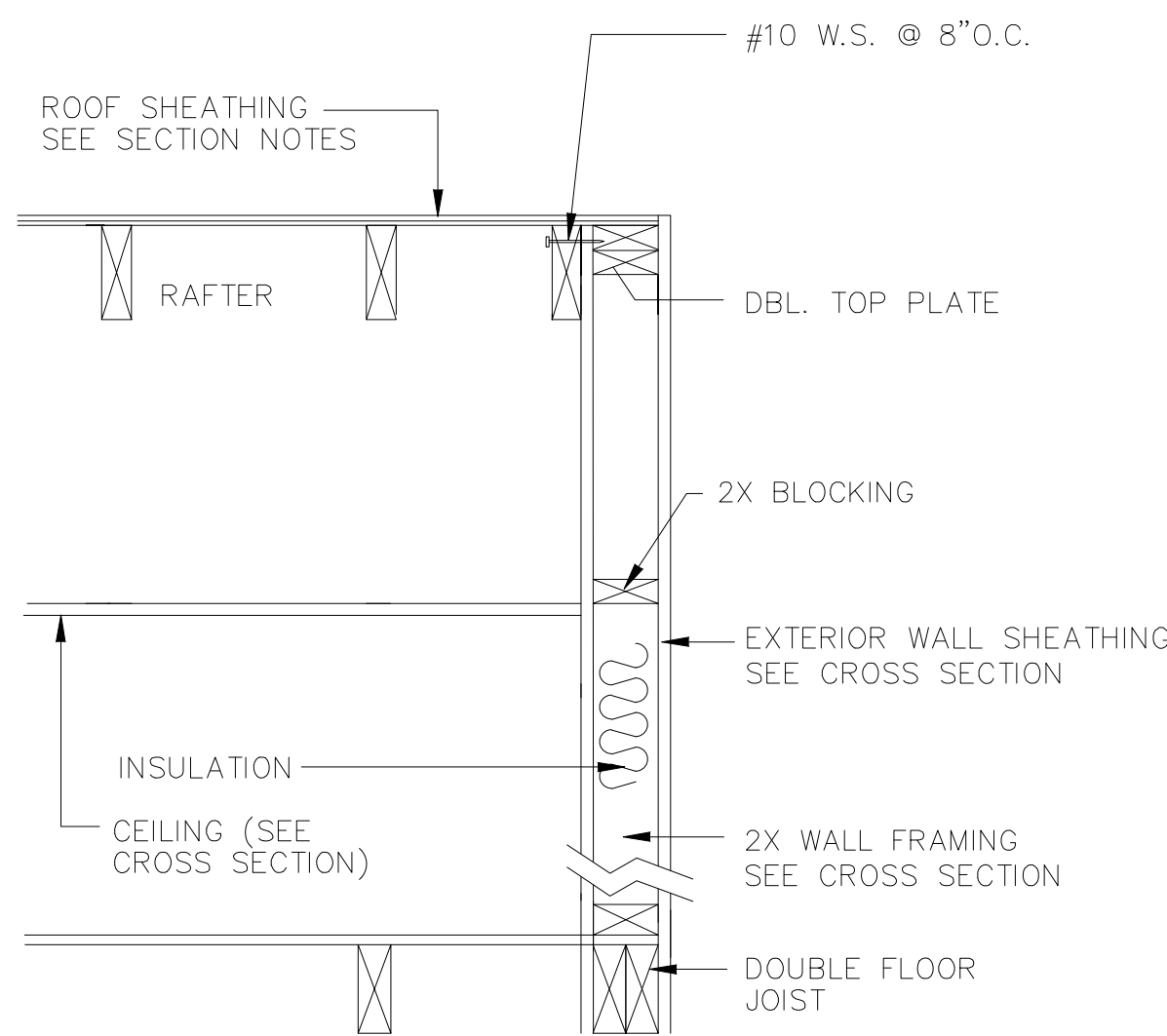
INTERIOR FINISH MATERIAL:

CEILING - T-GRID CEILING INSTALLED PER MANUFACTURER'S SPECIFICATIONS

WALL - 1/2 GYP. BOARD (VCG THROUGHOUT) INSTALLED PER MANUFACTURERS SPECIFICATIONS

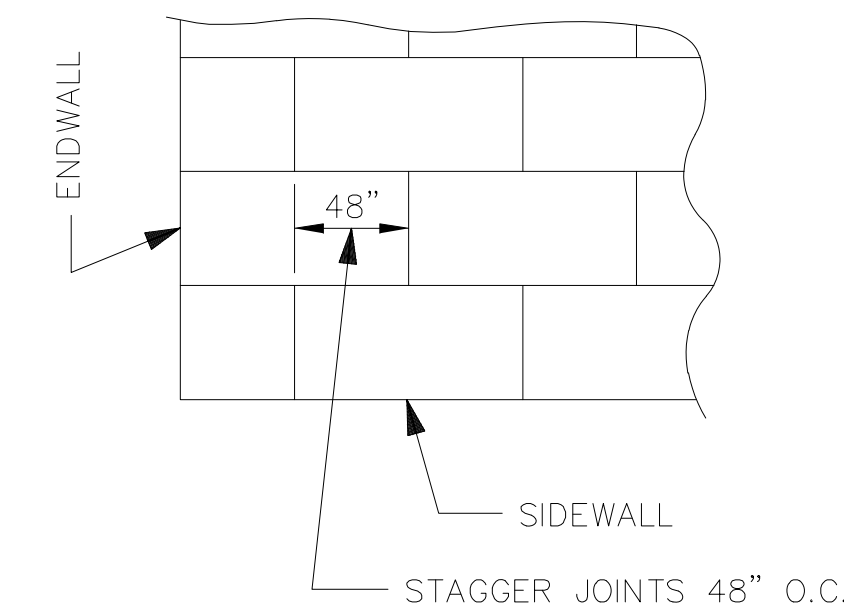
FLOOR - AS NOTED ON FLOOR PLAN

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



BALLOON END WALL DETAIL

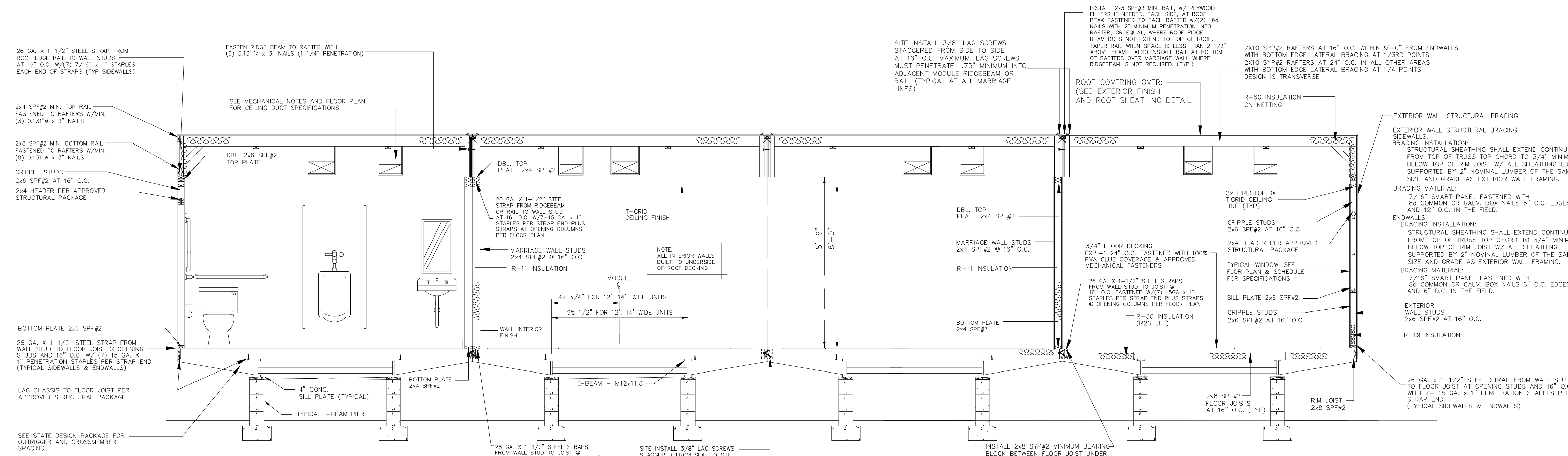
NTS



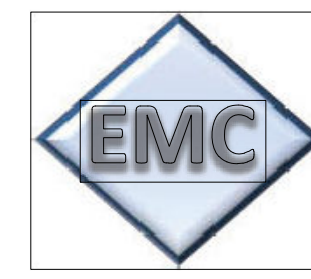
ROOF SHEATHING FASTENED TO RAFTERS W/0.099"Ø x 2" NAILS AT 6" O.C. ON EDGES & 6" O.C. IN THE FIELD ON ALL ZONES

ROOF SHEATHING DETAIL

SEE DBI DESIGN PACKAGE PAGES FOR DIAGONAL BRACING AND ROOF JOIST GUSSET DETAILS. C36.0-36.3 (2018 IBC) C35.0-35.3 (2015 IBC)



SECTION 1
NTS



R. JOHNSON
APPROVED
10 12 2021

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

- GENERAL CROSS-SECTION NOTES:**
- UNLESS OTHERWISE SPECIFIED, ALL STEEL MUST COMPLY W/ ASTM A36, YIELD STRENGTH = 36 KSI.
 - ALL LAG SCREWS MUST COMPLY W/ ANSI/ ASME B18.2.1. F_y = 60 KSI MINIMUM.
 - SEE FOUNDATION PLAN FOR PIER AND TIE-DOWN STRAPPING LOCATIONS, ORIENTATIONS, AND SPECIFICATIONS.

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TYPICAL FOUNDATION LAYOUT SHOWN IS TO AID THE SITE ENGINEER/ARCHITECT FOR ENGINEER/ARCHITECT FOR LOCATIONS OF REQUIRED SUPPORTS. ACTUAL FOUNDATION MUST BE DESIGNED TO SITE CONDITIONS FOR ALL APPLICABLE LOADS. THIS INCLUDES BUT IS NOT LIMITED TO CONSTRUCTION OF THE FOUNDATION, SEISMIC DESIGN AND ATTACHING THE BUILDING TO THE FOUNDATION, ALONG WITH THE RESISTANCE TO LATERAL, LONGITUDINAL SHEAR, UPLIFT AND DOWNWARD FORCES IN BOTH DIRECTIONS. TYPICAL FOUNDATION IS NOT INTENDED TO BE ALL INCLUSIVE, NOR DOES THIS SET DETAIL EVERY CODE REQUIRED ASPECT OF THIS BUILDING. COMPLIANCE WITH ALL APPLICATED CODES PER LOCAL AUTHORITY HAVING JURISDICTION WHETHER DETAILED IN THIS SET OR NOT MUST BE MET.

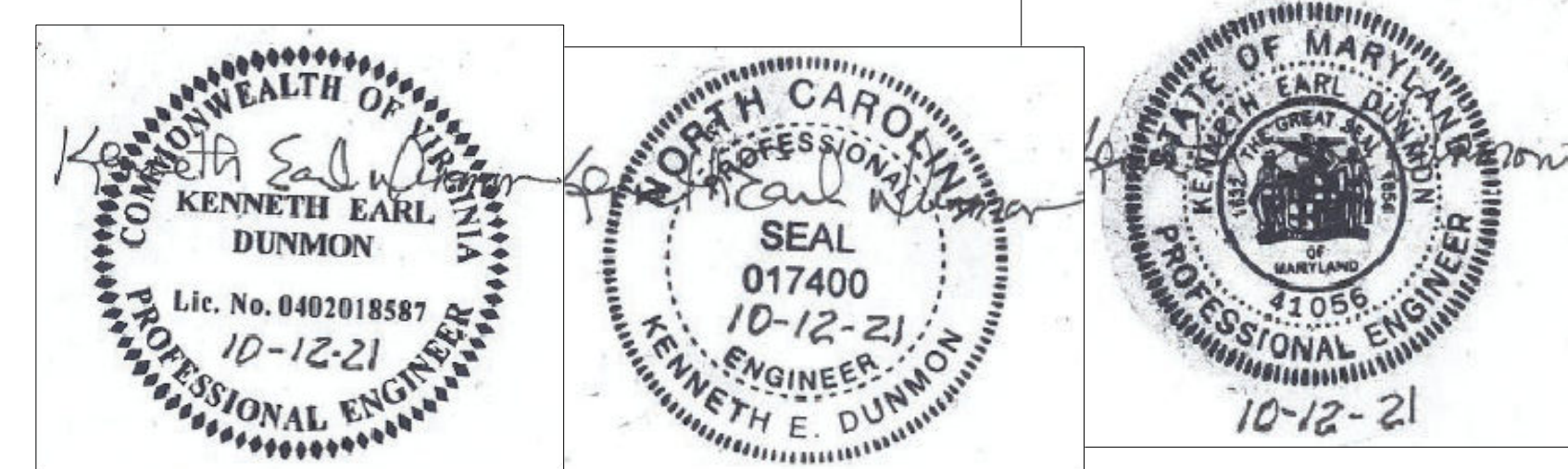
RIDGE BEAM CONSTRUCTION:
(SEE FLOOR PLAN) 3/4" PLYWOOD, RATED SHEATHING, EXP.-1, STRUCT.-1, 5 PLY/5 LAYER, 48/24 EACH HALF CONTINUOUS ENTIRE LENGTH OF CLEARSPAN.

NOTES:

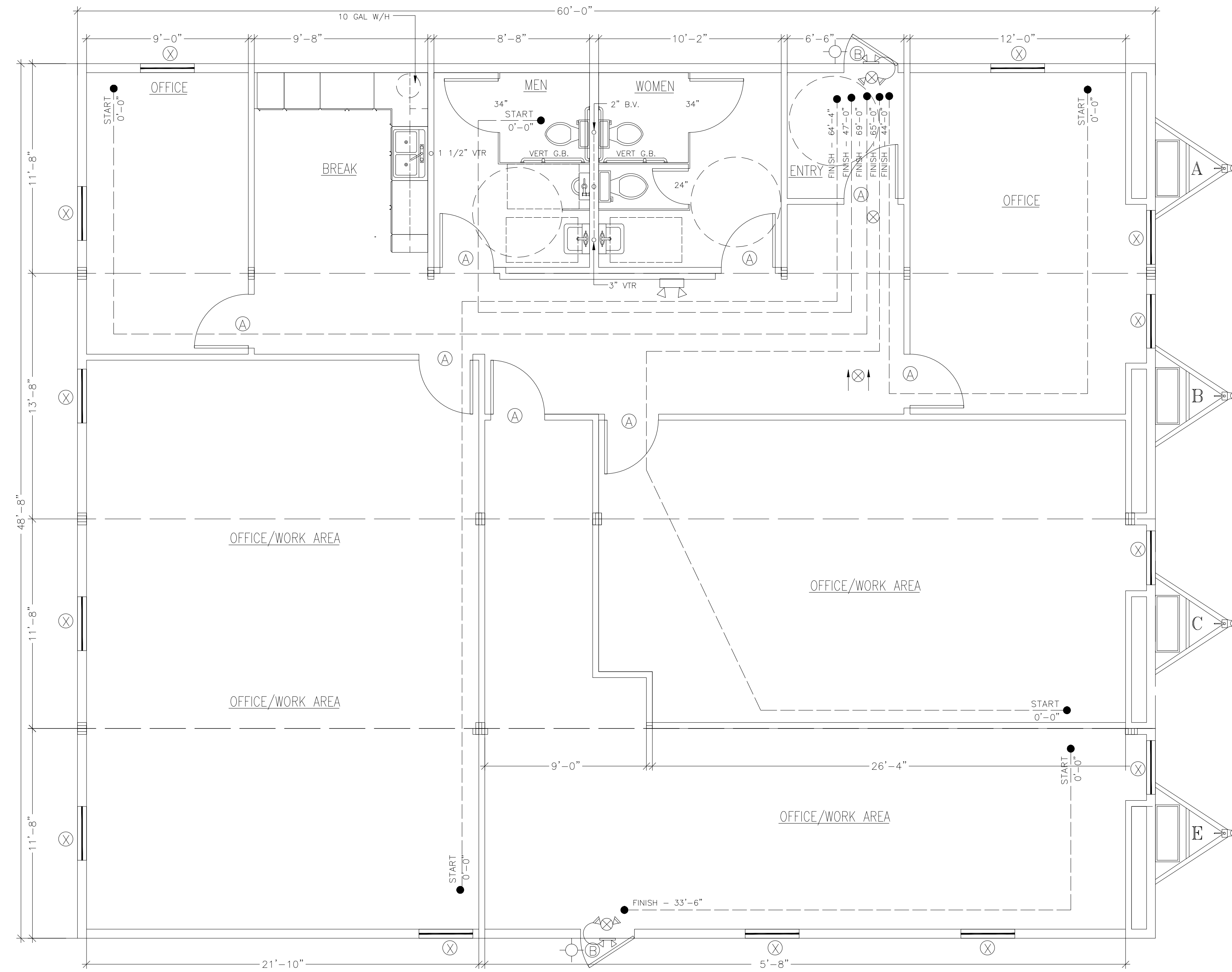
- PLYWOOD FACE GRAIN MUST BE PARALLEL TO THE RIDGE BEAM SPAN.
- ALL PLYWOOD BUTT JOINTS MUST BE STAGGERED 24" MINIMUM.
- ALL RIDGE BEAM PLYWOOD LAMINATIONS MUST BE THE SAME DEPTH, THICKNESS, AND GRADE OF PLYWOOD. NO LUMBER OR PLYWOOD FLANGES ARE PERMITTED.
- PLYWOOD MUST BE MANUFACTURED IN ACCORDANCE W/ PDS 1-95.
- PLYWOOD LAMINATIONS IN EACH HALF OF THE UNITS MUST BE GLUE NAILED TO ADJACENT LAYERS IN ACCORDANCE W/ PDS SUPPLEMENT #5, W/ AN ADHESIVE COMPLYING W/ ASTM D2559, OR CA25-4.
- PLYWOOD MUST NOT BE TREATED W/ A FIRE RETARDANT PROCESS.
- MOISTURE CONTENT MUST BE LESS THAN 16%.
- BEAMS SUPPORTED BY ENDWALL COLUMNS MUST EXTEND CONTINUOUS OVER COLUMNS TO EXTERIOR FACE OF ENDWALL.
- INSTALL (2X4) X 20" SPF#3 RIDGE BEAM BEARING STIFFENER OVER SUPPORT COLUMNS, WHEN SPECIFIED ON FLOOR PLAN. FASTEN THE FACE OF THE STIFFENER TO THE RIDGE BEAM W/ 100% GLUE COVERAGE AND (6) 16 GA. X 2-1/2" STAPLES.

NEW JERSEY
CONSULTING ARCHITECT
ROBERT E. GREGG R.A. LIC.#15414
18167 US 19 NORTH-SUITE 120
CLEARWATER, FL 33764 (727) 644-8193

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



DIAMOND BUILDERS INC. P.O. BOX 2200 DOUGLASS, GEORGIA 31534		440 THOMPSON DR. (912) 384-7080	
DATE: 9-25-21	REVISIONS:	BY:	K.E.D.
SCALE: NO SCALE		BY:	R.E.G.
STATES: MD, VA, NC, NJ			
MD. PLAN NO: DBI-9527 MD			
DBI9527 A-E 60'-4" x 60'-0" BUSINESS		SHEET	6 OF 6
CROSS SECTION	DESTINATION: ANDREWS A.F.B., MD.		



LIFE SAFETY PARAMETERS	
1. USE/OCCUPANCY:	BUSINESS
2. BUILDING AREA	3620 S.F.
3. OCCUPANT LOAD	37 BASED ON 100 SF/PERSON
	OCCUPANT LOAD 25 BASED ON 150 SF/PERSON (2018 IBC)

NOTE:
EACH EXIT DOOR IS ABLE TO ACCOMMODATE:
(2) 36x80 DOOR: 32" CLEAR WIDTH EACH
32/0.20 = 160 160 PERSON CAPACITY EACH
(2) AT 160 = 320 PERSON CAPACITY

NOTE:
MAXIMUM TRAVEL DISTANCE SHALL NOT EXCEED 200 FEET

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EMC
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APPROVED
10 12 2021

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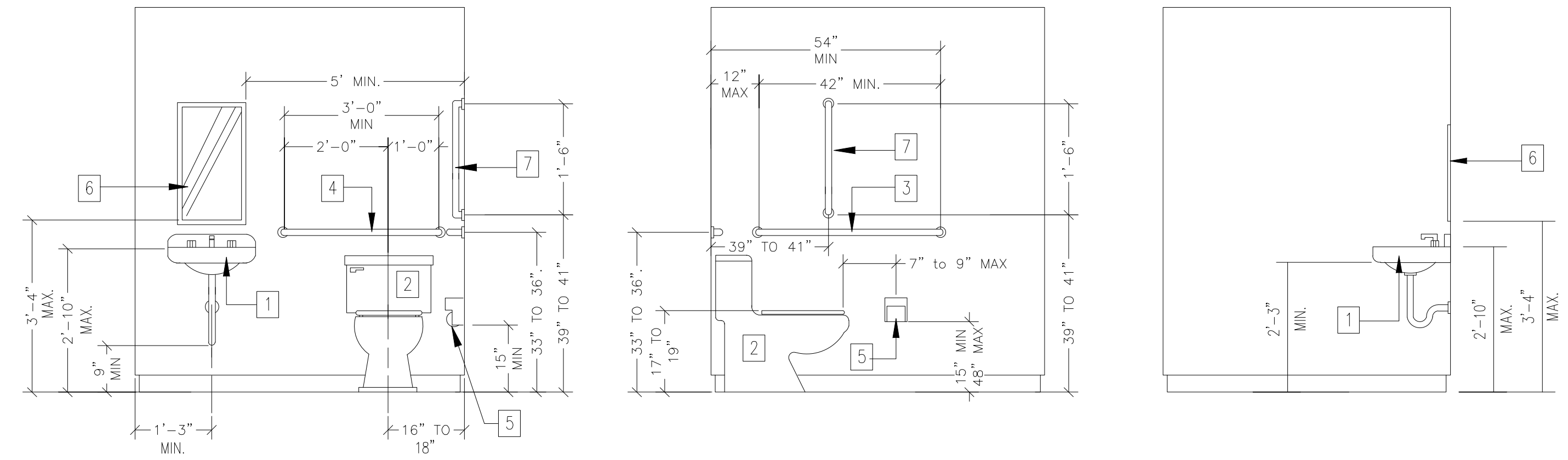
COMMONWEALTH OF VIRGINIA
KENNETH EARL DUNMON
Lic. No. 0402018587
10-12-21
PROFESSIONAL ENGINEER

NORTH CAROLINA
KENNETH EARL DUNMON
SEAL
017400
10-12-21
ENGINEER
KENNETH E. DUNMON

STATE OF MARYLAND
KENNETH EARL DUNMON
41056
PROFESSIONAL ENGINEER
10-12-21

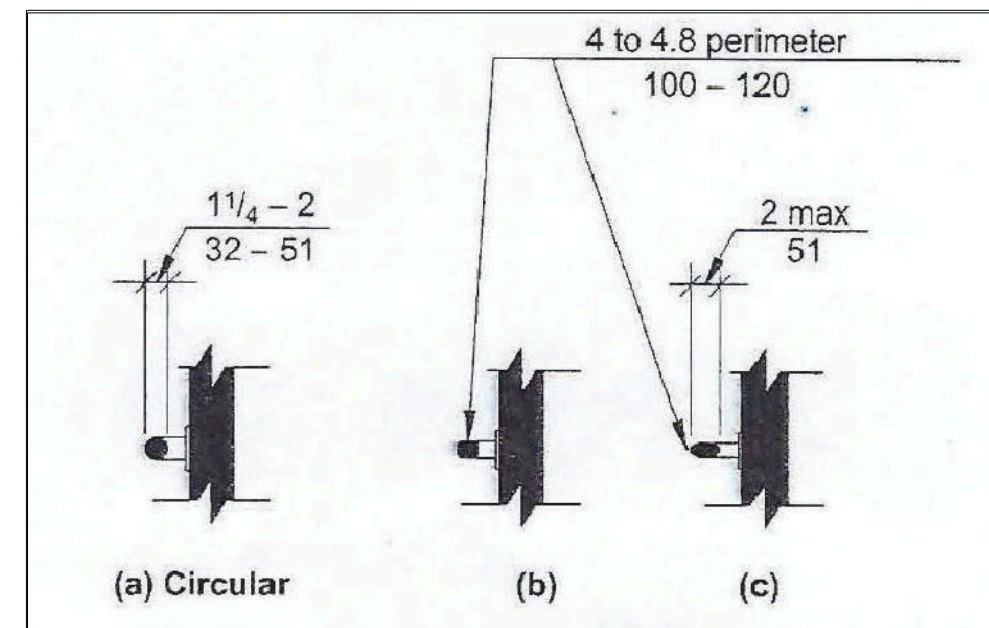
DIAMOND BUILDERS INC.		
P.O. BOX 2200 DOUGLASS, GEORGIA 31534		440 THOMPSON DR. (912) 384-7080
DATE: 9-25-21	REVISIONS:	BY: K.E.D.
SCALE: NO SCALE		BY: R.E.G.
CODES: SEE NOTES		SHEET LF-1
STATES: MD, VA, NC, NJ		DESTINATION: ANDREWS A.F.B., MD.
MD. PLAN NO: DBI-9527 MD	DBI9527, A-E 60'-4" x 60'-0" BUSINESS LIFE SAFETY	

- LEGEND:**
- 1 LAVATORY
 - 2 H/C WATER CLOSET
 - 3 42" GRAB BAR
12 INCHES MAXIMUM FROM REAR WALL
 - 4 36" GRAB BAR
 - 5 TOILET PAPER HOLDER
 - 6 MIRROR (TILTED)
 - 7 18" VERT GRAB BAR
 - 8 ACCESS URINAL

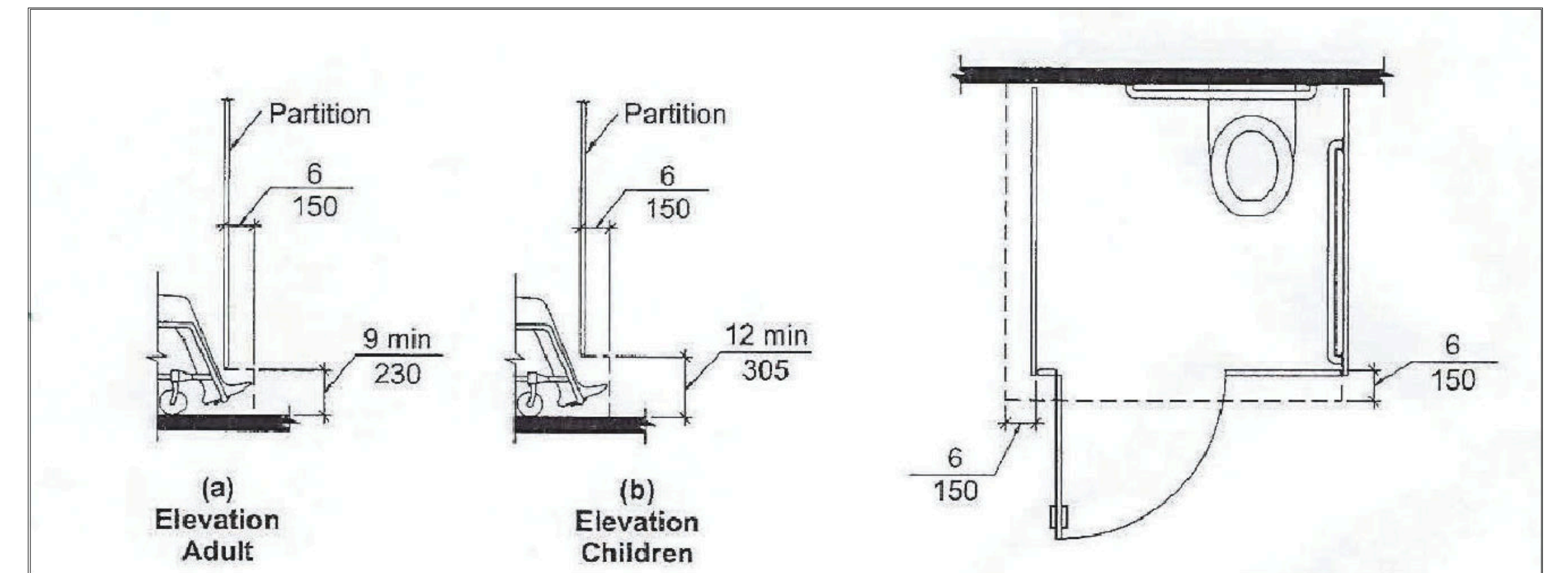
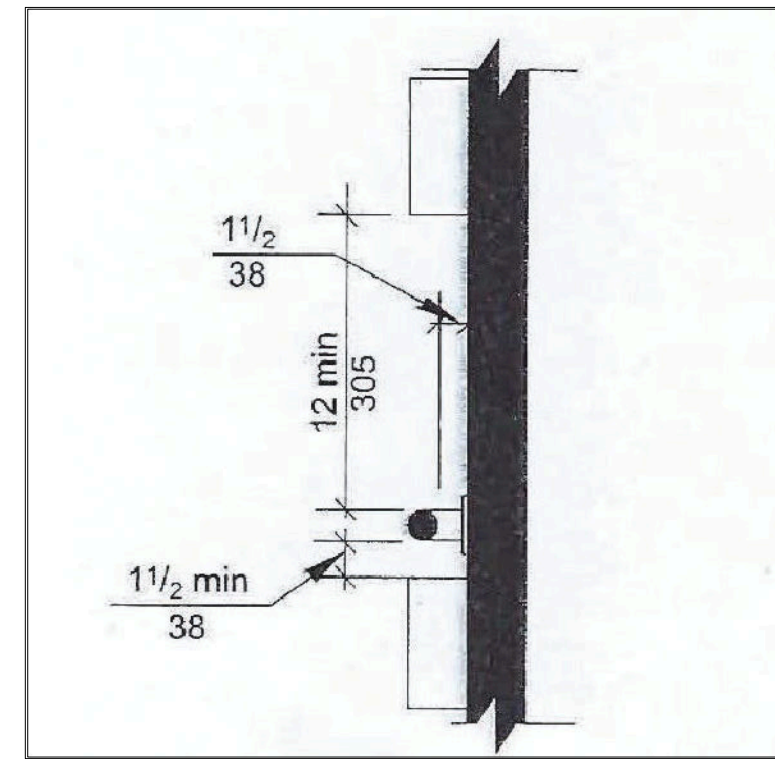


INTERIOR ELEVATIONS

SCALE: 1/4" = 1'-0"

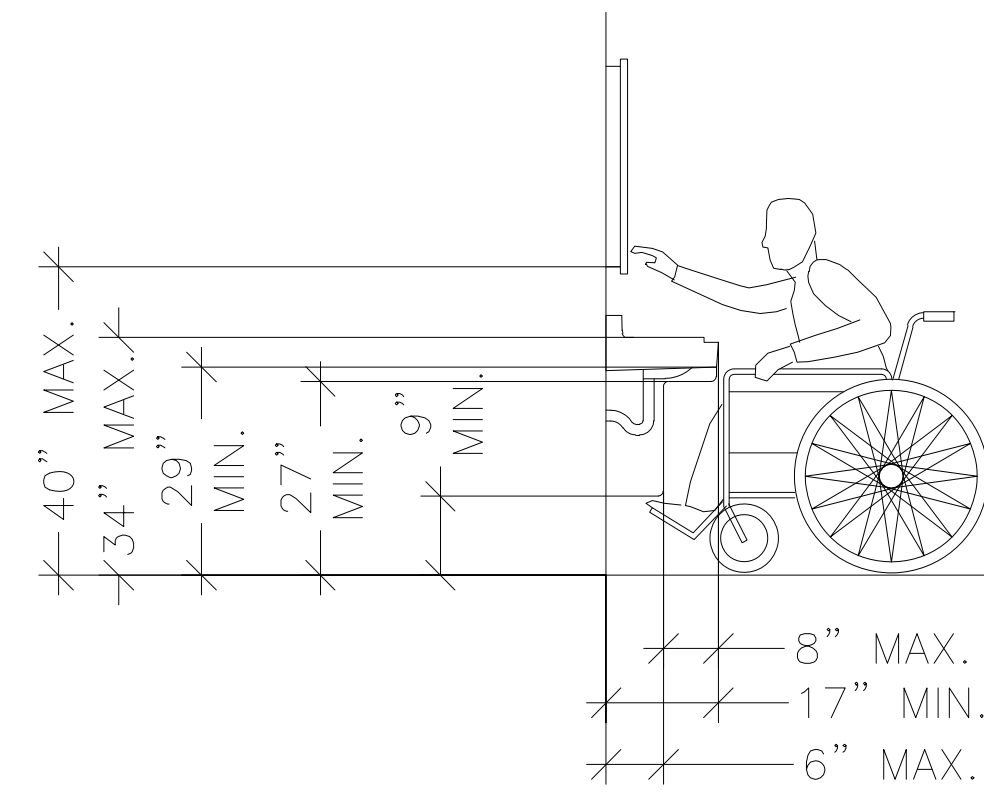


GRAB BAR DETAIL

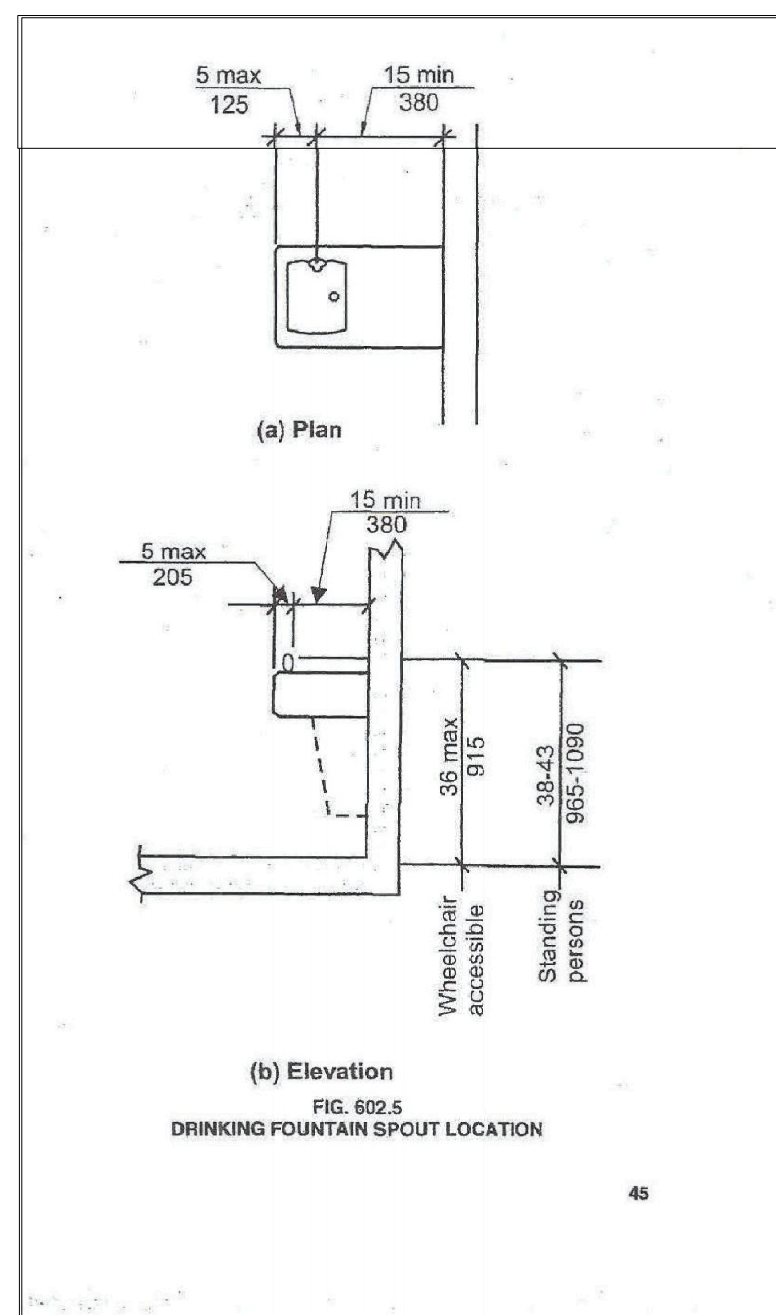


TYP. TOE CLEARANCE

TOILET AND STALL

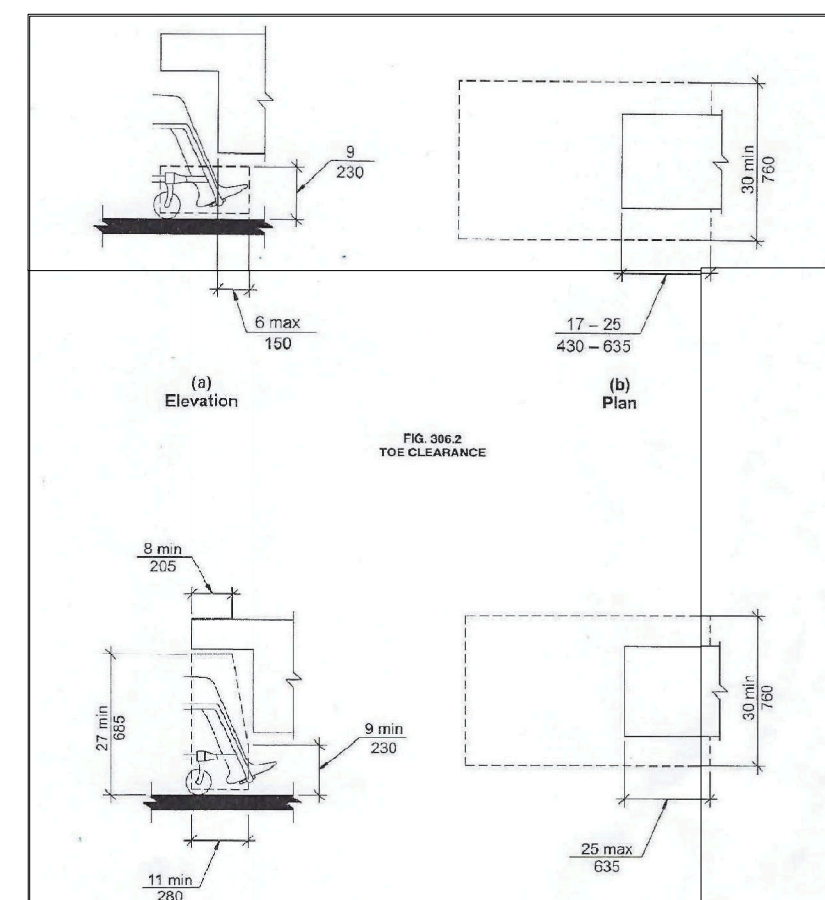


ADA ACCESSIBLE SINK ELEVATION



TYP. DRINKING FOUNT. ELEVATIONS

HEIGHTS AND CLEARANCES



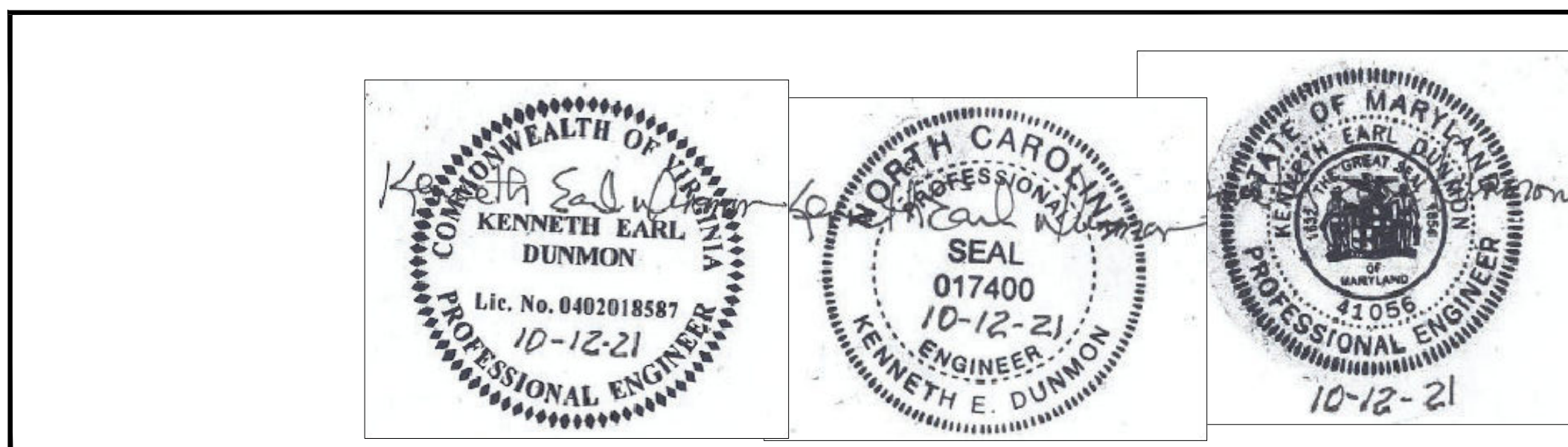
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