MARYLAND, VA. STRUCTURAL LOAD LIMITATIONS:

FLOOR DEAD AND LIVE LOAD:
A. DEAD LOAD = 12 PSF (AVERAGE).
B. UNIFORM LIVE LOAD = 50 PSF, 100 PSF CORRIDOR, BREAKROOM
C. CONCENTRATED LIVE LOAD = 1000 LB. OVER 30 INCH X 30 INCH AREA LOCATED ANYWHERE ON FLOOR. NOTE: UNIFORM AND CONCENTRATED LIVE LOADS ARE NOT SIMULTANEOUSLY APPLIED.

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

ROOF SNOW LOAD:

A. GROUND SNOW LOAD:	Pg =	30 PSF
B. FLAT-ROOF SNOW LOAD:	Pf =	23.1 PSF
C. SNOW EXPOSURE FACTOR:	Ce =	1.0
D. SNOW IMPORTANCE FACTOR:	Is =	1.1
E. SNOW THERMAL FACTOR:	Ct =	1.0
F. ROOF SLOPE FACTOR:	Cs =	1.0
G. SLOPED ROOF SNOW LOAD:	Ps =	Pf x Cs

H. DESIGN IS BASED ON FULL OR PARTIALLY EXPOSED ROOF PER ASCE 7–16.

WIND LOAD:

A. BASIC WIND SPEED (3–SEC GUST):	V = 150 MPH
B. ASD WIND SPEED (3–SEC GUST):	Vasd = 116 MPH
C. RISK CATEGORY:	III
D. WIND EXPOSURE CATEGORY:	C
E. INTERNAL PRESSURE COEFFICIENT:	GCpi = 0.18

F. COMPONENT & CLADDING BASIC DESIGN PRESSURES (ASD DESIGN PRESSURE) FOR ROOF ANGLES 0 TO 7 DEGREES:
WALL ZONE 5: P = +/– 65.6 PSF (Pasd = +/– 39.3 PSF)
WALL ZONE 4: P = +/– 53.1 PSF (Pasd = +/– 31.9 PSF)
ROOF ZONE 3: P = – 140.2 PSF (Pasd = – 84.1 PSF)
ROOF ZONE 2: P = – 103.0 PSF (Pasd = – 61.8 PSF)
ROOF ZONE 1: P = – 78.0 PSF (Pasd = – 46.8 PSF)
ROOF ZONE 1': P = – 44.8 PSF (Pasd = – 26.9 PSF)

SEISMIC LOAD:
A. RISK CATEGORY IS III.
B. SEISMIC IMPORTANCE FACTOR IS 1.0
C. SEISMIC SITE CLASS IS D.
D. SPECTRAL RESPONSE COEFFICIENTS:
Ss = 0.537 S1 = 0.285
Sds = 0.49 Sd1 = 0.19
E. SEISMIC DESIGN CATEGORY IS C.
F. SEISMIC FORCE RESISTING SYSTEM IS A15.
G. EQUIVALENT LATERAL FORCE ANALYSIS PROCEDURE
H. RESPONSE MODIFICATION FACTOR R = 6.5.
I. SEISMIC RESPONSE COEFFICIENT Cs = 0.08
J. DESIGN BASE SHEAR V = 1564 LBS

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

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

DC, NC. STRUCTURAL LOAD LIMITATIONS:

FLOOR DEAD AND LIVE LOAD:
A. DEAD LOAD = 12 PSF (AVERAGE).
B. UNIFORM LIVE LOAD = 50 PSF, 100 PSF CORRIDOR, BREAKROOM
C. CONCENTRATED LIVE LOAD = 1000 LB. OVER 30 INCH X 30 INCH AREA LOCATED ANYWHERE ON FLOOR. NOTE: UNIFORM AND CONCENTRATED LIVE LOADS ARE NOT SIMULTANEOUSLY APPLIED.

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

ROOF SNOW LOAD:

A. GROUND SNOW LOAD:	Pg =	30 PSF
B. FLAT-ROOF SNOW LOAD:	Pf =	23.1 PSF
C. SNOW EXPOSURE FACTOR:	Ce =	1.0
D. SNOW IMPORTANCE FACTOR:	Is =	1.1
E. SNOW THERMAL FACTOR:	Ct =	1.0
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. BASIC WIND SPEED (3–SEC GUST):	V = 150 MPH
B. ASD WIND SPEED (3–SEC GUST):	Vasd = 116 MPH
C. RISK CATEGORY:	III
D. WIND EXPOSURE CATEGORY:	C
E. INTERNAL PRESSURE COEFFICIENT:	GCpi = 0.18

F. COMPONENT & CLADDING BASIC DESIGN PRESSURES (ASD DESIGN PRESSURE) FOR ROOF ANGLES 0 TO 7 DEGREES:
WALL ZONE 5: P = +/– 65.6 PSF (Pasd = +/– 39.3 PSF)
WALL ZONE 4: P = +/– 53.1 PSF (Pasd = +/– 31.9 PSF)
ROOF ZONE 3: P = – 123.7 PSF (Pasd = +/– 74.2 PSF)
ROOF ZONE 2: P = – 82.2 PSF (Pasd = +/– 49.3 PSF)
ROOF ZONE 1: P = – 49.0 PSF (Pasd = +/– 29.4 PSF)

SEISMIC LOAD:
A. RISK CATEGORY IS III.
B. SEISMIC IMPORTANCE FACTOR IS 1.0
C. SEISMIC SITE CLASS IS D.
D. SPECTRAL RESPONSE COEFFICIENTS:
Ss = 0.537 S1 = 0.285
Sds = 0.49 Sd1 = 0.19
E. SEISMIC DESIGN CATEGORY IS C.
F. SEISMIC FORCE RESISTING SYSTEM IS A15.
G. EQUIVALENT LATERAL FORCE ANALYSIS PROCEDURE
H. RESPONSE MODIFICATION FACTOR R = 6.5.
I. SEISMIC RESPONSE COEFFICIENT Cs = 0.08
J. DESIGN BASE SHEAR V = 1564 LBS

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

MARYLAND NOTES:

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

PLUMBING NOTES:

1. TOILETS SHALL BE ELONGATED WITH NONABSORBENT OPEN FRONT SEATS.
2. REST ROOM WALLS SHALL BE COVERED WITH NONABSORBENT MATERIAL TO A MINIMUM HEIGHT OF 48 INCHES A.F.F. FLOORS SHALL HAVEA SMOOTH, HARD, NONABSORBENT SURFACE THAT EXTENDS UPWARD ONTO THE WALLS AT LEAST 6 INCHES.
3. THIS UNIT MUST BE CONNECTED TO A PUBLIC WATER SUPPLY AND SEWER SYSTEM IF THESE ARE AVAILABLE.
4. ALL PLUMBING FIXTURES SHALL HAVE SEPARATE SHUTOFF VALVES.
5. WATER HEATER SHALL HAVE SAFETY PAN WITH 1 INCH DRAIN TO EXTERIOR, T & P RELIEF VALVE WITH DRAIN TO EXTERIOR, AND A SHUT OFF VALVE WITHIN 3 FEET ON A COLD WATER SUPPLY LINE.
6. DWV SYSTEM SHALL BE EITHER ABS OR PVC – DWV.
7. WATER SUPPLY LINES SHALL BE CPVC, PEX OR COPPER; AND SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS LIMITATIONS AND INSTRUCTIONS.
8. WATER CLOSETS ARE TANK TYPE AND URINALS ARE FLUSH VALVE TYPE UNLESS OTHERWISE SPECIFIED.
9. BUILDING DRAIN AND CLEANOUTS ARE DESIGNED AND SITE INSTALLED BY OTHERS, SUBJECT TO LOCAL JURISDICTION APPROVAL.
10. SHOWERS SHALL BE CONTROLLED BY AN APPROVED MIXING VALVE WITH A MAXIMUM WATER OUTLET TEMPERATURE OF 120°F (48.8°C).
11. 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.
12. WATER PIPES INSTALLED IN A WALL EXPOSED TO THE EXTERIOR SHALL BE LOCATED ON THE HEATED SIDE OF THE WALL INSULATION.
13. WATER, SOIL AND WASTE PIPES IN UNCONDITION SPACES SHALL BE INSULATED AND PROTECTED FROM FREEZING.
14. CUSTOMER ASSUMES ALL RESPONSIBILTY FOR REQUIRED PLUMBING FACILITIES WHEN NOT SHOWN ON THE PLANS.
15. 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)
16. WHEN RESTROOM FACILITIES AND/OR PLUMBING FIXTURES REQUIRED PER CODE ARE NOT PROVIDED WITHIN THE BUILDING, A HANDICAPPED ACCESSIBLE FACILITY MUST BE PROVIDED ON SITE WITHIN THE ALLOWABLE DISTANCE PER CODE. THE REQUIRED FACILITY SHALL BE THE RESPONSIBILITY OF THE BUILDING OWNER AND IS SUBJECT TO THE REVIEW AND APPROVAL OF THE LOCAL JURISDICTION HAVING AUTHORITY. THIS NOTE SHALL BE INDICATED ON THE DATA PLATE
17. WATER HEATER SHALL BE PLUMBED WITH HEAT TRAPS ON THE SUPPLY AND DISCHARGE PIPING CONNECTED TO THE HEATER
18. THE FIRST 8 FEET OF HOT WATER PIPING FROM WATER HEATER SHALL BE INSULATED WITH 0.5 INCH OF MATERIAL HAVING A CONDUCTIVITY NOT EXCEEDING 0.27 BTU PER INCH/h x ft. x f.
19. THE WATER HEATER SHALL HAVE CONTROLS TO ALLOW A SET POINT OF 90 DEGREES F. THE OUTLET TEMPERATURE OF LAVATORIES SHALLL BE LIMITED TO 110 DEGREES F.

GENERAL NOTES:

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

MECHANICAL NOTES:

1. 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 IN UNCONDITIONED SPACES SHALL HAVE R–6 MINIMUM INSULATION AND R–8 INSULATION WHERE LOCATED OUTSIDE THE BUILDING.
2. INTERIOR DOORS SHALL BE UNDERCUT 1.5 INCHES ABOVE FINISHED FLOOR FOR AIR RETURN AND/OR AS NOTED ON FLOOR PLAN. (UNRATED DOOR ONLY)
3. HVAC EQUIPMENT SHALL BE EQUIPPED W/OUTSIDE FRESH AIR INTAKES PROVIDING 5 CFM PER OCCUPANT & 0.06 CFM PER S.F. OF BLDG. AREA PER SECTION 403.3 OF IMC & NCMC.
4. THERMOSTATS MUST BE PROGRAMMABLE.
5. EXHAUST FANS SHALL PROVIDE A MINIMUM OF 70 CFM FOR EACH WATER CLOSET, & URINAL & 50 FOR SHOWERS SHALL VENT NO CLOSER THAN 10 FEET FROM MECHANICAL INTAKE.
6. 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 SETPOPINT AT LEAST 5° F ABOVE THE OCCUPIED COOLING SET POINT OR TO PREVENT HIGH SPACE HUMIDITY LEVELS.
7. DUCTS SHALL BE CONSTRUCTED AND ERECTED IN ACCORDANCE WITH THE IMC BASED ON STATIC PRESSURE ALL JOINTS, SEAMS, AND CONNECTION OF SUPPLY AND RETURN DUCTS SHALL BE SECURELY FASTENED AND SEALED WITH WELDS, GASKETS, MASTICS, MASTIC–PLUS–EMBEDDED FABRIC SYSTEM OR TAPES PER MANUFACTURERS INSTALLATION INSTRUCTIONS.
8. DIGITAL OR ELECTRONIC THERMOSTATS OR MULTI–STAGE SPACE THERMOSTATS SHALL BE PROVIDED FOR HEAT PUMPS WHEN AUXILIARY INTERNAL ELECTRIC RESISTANCE IS INSTALLED.

ELECTRICAL NOTES:

1. ALL CIRCUITS AND EQUIPMENT SHALL BE GROUNDED IN ACCORDANCE WITH THE APPROPRIATE ARTICLES OF THE NATIONAL ELECTRICAL CODE (NEC).
2. WHEN LIGHT FIXTURES ARE INSTALLED IN CLOSETS THEY SHALL BE SURFACE MOUNTED OR RECESSED. INCANDESCENT FIXTURES SHALL HAVE COMPLETELY ENCLOSED LAMPS. SURFACE MOUNTED INCANDESCENT FIXTURES SHALL HAVE A MINIMUM CLEARANCE OF 12 INCHES AND ALL OTHER FIXTURES SHALL HAVE A MINIMUM CLEARANCE OF 6 INCHES FROM "CLOSET STORAGE SPACE" AS DEFINED BY NEC ARTICLE 410.2.
3. WHEN WATER HEATERS ARE INSTALLED THEY SHALL BE PROVIDED WITH READILY ACCESSIBLE DISCONNECTS ADJACENT TO THE WATER HEATERS SERVED. THE BRANCH CIRCUIT SWITCH OR CIRCUIT BREAKER SHALL BE PERMITTED TO SERVE AS THE DISCONNECTING MEANS ONLY WHERE THE SWITCH OR CIRCUIT BREAKER IS WITHIN SIGHT FROM THE WATER HEATER OR IS CAPABLE OF BEING LOCKED IN THE OPEN POSITION.
4. HVAC EQUIPMENT SHALL BE PROVIDED WITH READILY ACCESSIBLE DISCONNECTS ADJACENT TO THE EQUIPMENT SERVED. A UNIT SWITCH WITH A MARKED "OFF" POSITION THAT IS A PART OF THE HVAC EQUIPMENT AND DISCONNECTS ALL UNGROUNDED CONDUCTORS SHALL BE PERMITTED AS THE DISCONNECTING MEANS WHERE OTHER DISCONNECTING MEANS ARE ALSO PROVIDED BY A READILY ACCESSIBLE CIRCUIT BREAKER.
5. PRIOR TO ENERGIZING THE ELECTRICAL SYSTEM THE INTERRUPTING RATING OF THE MAIN BREAKER MUST BE DESIGNED AND VERIFIED AS BEING IN COMPLIANCE W/ARTICLES 110.9 & 110.10 OF THE NEC BY LOCAL ELECTRICAL CONSULTANT.
6. THE MAIN ELECTRICAL PANEL AND FEEDERS ARE DESIGNED BY OTHERS, SITE INSTALLED AND SUBJECT TO LOCAL JURISDICTION APPROVAL.
7. ALL CIRCUITS CROSSING OVER MODULE MATING LINE(S) SHALL BE SITE CONNECTED WITH APPROVED ACCESSIBLE JUNCTION BOXES, OR CABLE CONNECTORS.
8. ALL RECEPTACLES INSTALLED IN WET LOCATIONS (EXTERIOR) SHALL BE IN WEATHER PROOF (WP) ENCLOSURES. THE INTEGRITY OF WHICH IS NOT AFFECTED WHEN AN ATTACHMENT PLUG CAP IS INSERTED OR REMOVED. THE RECEPT SHALL BE LISTED AS WEATHER RESTANT AS PER NEC.
9. EXTERIOR LIGHTS NOT INTENDED FOR 24 HOUR USE SHALL BE CONNECTED TO A PHOTOCELL OR TIMER.
10. RECESSED LUMINARIES INSTALLED IN THE BUILDING THERMAL ENVELOPE SHALL BE SEALED TO LIMIT AIR LEAKAGE BETWEEN CONDITIONED & UNCONDITIONED SPACES. ALL RECESSED LUMINARIES SHALL BE IC RATED AND LABELED AS HAVING AN AIR LEAKAGE RATE OF NOT MORE THAN 2.0 CFM WHEN TESTED IN ACCORDANCE WITH ASTM E 283 AT 1 1.57 PSF PRESSURE DIFFERENTIAL ALL RECESSED LUMINARIES SHALL BE SEALED WITH A GASKET OR CAULK BETWEEN THE HOUSING AND INTERIOR WALL OR CEILING COVERING.
11. 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.
12. THE WALL MOUNT AIR CONDITIONERS ARE EQUIPPED WITH INTEGRAL DISCONNECTS AS PERMITTED BY NEC 440.14.
13. THE DISCONNECTING MEANS FOR WATER HEATER IS PROVIDED BY THE BRANCH CIRCUIT BREAKER WHICH IS CAPABLE OF BEING LOCKED IN THE OPEN POSITION, IN ACCORDANCE WITH NEC 110.25 AND 422.31.
14. 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 TURNTHE LIGHTING ON TO NOT MORE THAN 50% POWER.
15. INSTALL AUTOMATIC RECEPTACLE CONTROL ON THE FOLLOWING LOCATIONS: (1) 125 VOLT 15 AND 20 AMP DUPLEX RECEPTACLES IN EACH PRIVATE OFFICE AND INDIVIDUAL WORK STATION TO BE LOCATED AT THE DESK AREA AND 50% OF 125 VOLT 15 AND 20 AMP DUPLEX RECEPTACLE IN CONFERENCE ROOMS, ROOMS USED PRIMARILY FOR PRINTING AND/OR COPYING FUNCTION, BREAK–ROOMS & CLASSROOMS. ALL CONTROLED RECEPTACLES SHALL BE PERMANENTLY MARKED TO VISUALLY DIFFERENTIATE THEM FROM UNCONTROLLED RECEPTACLES & SHALL BE UNIFORMLY DISTRIBUTED THROUGHOUT THE SPACE.
16. ACCEPTANCE TESTING SHALL BE PERFORMED ON ALL BUILDINGS IN ACCORDANCE WITH THE DC CODES USING GENERALLY ACCEPTED ENGINEERING STANDARDS AND HANDBOOKS ACCEPTABLE TO THE AUTHORITY HAVING JURISDICTION.
17. FEEDER CONDUCTOR SHALL BE SIZED FOR A MAXIMUM VOLTAGE DROP OF 2% AT DESIGN LOAD.
18. BRANCH CIRCUITS SHALL BE SIZED FOR A MAXIMUM VOLTAGE DROP OF 3% AT DESIGN LOAD

ATTENTION LOCAL INSPECTIONS DEPARTMENT

SITE INSTALLED ITEMS

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

1. THE COMPLETE FOUNDATION SUPPORT AND TIE DOWN SYSTEM.
2. RAMPS, STAIRS AND GENERAL ACCESS TO THE BUILDING.
3. PORTABLE FIRE EXTINGUISHER(S).
4. BUILDING DRAINS, CLEANOUTS, AND HOOK–UP TO PLUMBING SYSTEM.
5. ELECTRICAL SERVICE HOOK–UP (INCLUDING FEEDERS) TO THE BUILDING.
6. THE MAIN ELECTRICAL PANEL AND SUB–FEEDERS
7. CONNECTION OF ELECTRICAL CIRCUITS CROSSING OVER MODULE MATELINE(S) – (MULTI–UNITS ONLY).
8. STRUCTURAL AND AESTHETIC INTERCONNECTIONS BETWEEN MODULES (MULTI–UNITS ONLY).
9. EXIT DISCHARGE LIGHTING (INCLUDING EMERGENCY)
10. WINDOW AND DOOR HIGH WIND STORM COVERINGS (PER CODE) SEE GENERAL NOTE 8.
11. ADA SIGNS
12. GUTTERS AND DOWNSPOUTS
13. COMPLETE DESIGN AND CONSTRUCTION OF ALL BUILDING CONNECTORS

WINDOW & DOOR SPECIFICATIONS

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

ACCESSIBILITY NOTES:

1. THE INTERNATIONAL SYMBOL OF ACCESSIBILITY SIGN SHALL BE DISPLAYED AT ALL ACCESSIBLE RESTROOM FACILITIES AND AT ACCESSIBLE BUILDING ENTRANCES UNLESS ALL ENTRANCES ARE ACCESSIBLE. INACCESSIBLE ENTRANCES SHALL HAVE DIRECTIONAL SIGNS INDICATING THE ROUTE TO THE NEAREST ACCESSIBLE ENTRANCE.
2. ACCESSIBLE DRINKING FOUNTAINS SHALL HAVE A SPOUT HEIGHT NO HIGHER THAN 36 INCHES ABOVE THE FLOOR AND EDGE OF BASIN NO HIGHER THAN 34 INCHES ABOVE THE FLOOR FOR INDIVIDUALS IN WHEELCHAIRS. ADDITIONALLY, DRINKING WATER PROVISIONS SHALL BE MADE FOR INDIVIDUALS WHO HAVE DIFFICULTY BENDING.
3. WHERE STORAGE FACILITIES SUCH AS CABINETS, SHELVES, CLOSETS AND DRAWERS ARE PROVIDED AT LEAST ONE TYPE PROVIDED SHALL CONTAIN STORAGE SPACE COMPLYING WITH THE FOLLOWING: DOORS ETC. TO SUCH SPACES SHALL BE ACCESSIBLE (I.E. TOUCH LATCHES, U–SHAPED PULLS); SPACES SHALL BE 15 INCHES MINIMUM AND 48 INCHES MAXIMUM ABOVE THE FLOOR FOR FORWARD REACH OR SIDE REACH; CLOTHES RODS OR COAT HOOKS SHALL BE A MAXIMUM OF 48 INCHES ABOVE THE FLOOR (46 INCHES MAXIMUM WHEN DISTANCE FROM WHEEL CHAIR TO ROD EXCEEDS 10 INCHES). SHELVES IN KITCHENS OR TOILET ROOMS SHALL BE 40 INCHES MINIMUM AND 48 INCHES MAXIMUM ABOVE IN FLOOR.
4. CONTROLS, DISPENSERS, RECEPTACLES AND OTHER OPERABLE EQUIPMENT SHALL BE NO HIGHER THAN 48 INCHES ABOVE THE FLOOR. RECEPTACLES ON WALLS SHALL BE MOUNTED NO LESS THAN 15 INCHES ABOVE THE FLOOR. EXCEPTION; HEIGHT LIMITATIONS DO NOT APPLY WHERE THE USE OF SPECIAL EQUIPMENT DICTATES OTHERWISE OR WHERE ELECTRICAL RECEPTACLES ARE NOT NORMALLY INTENDED FOR USE BY BUILDING OCCUPANTS.
5. WHERE EMERGENCY WARNING SYSTEMS ARE PROVIED, THEY SHALL INCLUDE BOTH AUDIBLE AND VISUAL ALARMS. THE VISUAL ALARMS SHALL BE LOCATED THROUGHOUT, INCLUDING RESTROOM, AND PLACED 80 INCHES ABOVE THE FLOOR OR 6 INCHES BELOW CEILING,WHICHEVER IS LOWER.
6. ALL DOORS SHALL BE OPENABLE BY A SINGLE EFFORT. DOOR CLOSERS SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 90 DEGREES, THE TIME REQUIRED TO MOVE THE DOOR TO AN OPEN POSITION OF 12 DEGREES SHALL BE 5 SECONDS MINIMUM. THE MAXIMUM FORCE REQUIRED FOR PUSHING OR PULLING OPEN DOORS OTHER THAN FIRE DOORS SHALL NOT EXCEED 5 LBS. FOR ALL SLIDING, FOLDING, AND INTERIOR HINGED DOORS.
7. FLOOR SURFACES SHALL BE STABLE, FIRM, AND SLIP–RESISTANT. CHANGES IN LEVEL BETWEEN 0.25 INCH AND 0.5 INCH SHALL BE BEVELED WITH A SLOPE NO GREATER THAN 1:2 CHANGES IN LEVEL GREATER THAN 0.5 INCH REQUIRE RAMPS. CARPET PILE THICKNESS SHALL BE 0.5 MAX. GRATINGS IN FLOOR SHALL HAVE SPACES NO GREATER THAN 0.5 INCH WIDE IN ONE DIRECTION. DOORWAY THRESHOLDS SHALL NOT EXCEED 0.5 INCH IN HEIGHT.
8. 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, A VERTICAL GRAB BAR 18 INCHES MINIMUM IN LENGTH SHALL BE MOUNTED ON THE SIDEWALL WITH THE BOTTOM OF THE BAR LOCATED BETWEEN 39 AND 41 INCHES ABOVE THE FLOOR, AND WITH THE CENTER LINE OF THE BAR LOCATED BETWEEN 39 INCHES AND 41 INCHES FROM THE REAR WALL.
9. ACCESSIBLE URINALS SHALL BE STALL–TYPE OR WALL HUNG WITH ELONGATED RIMS AT A MAXIMUM OF 17 INCHES ABOVE THE FLOOR.
10. 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 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.
11. 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.
12. ACCESSIBLE LAVATORIES AND SINKS SHALL HAVE ACCESIBLE FAUCETS (I.E. LEVER–OPERATED, PUSH TYPE, ELECTRONICALLY CONTROLLED).
13. 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.
14. 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.
15. 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.
16. DOORS TO ALL ACCESSIBLE SPACES SHALL HAVE ACCESSIBLE HARDWARE (I.E. LEVER – OPERRATED, PUSHTYPE, U–SHAPED) MOUNTED WITH OPERABLE PARTS BETWEEN 34 INCHES MINIMUM AND 48 INCHES MAXIMUM ABOVE THE FLOOR.
17. TOILET STALL DOORS SHALL BE THE SELF–CLOSING TYPE.
18. A TOWEL DISPENSER SHALL BE LOCATED ADJACENT TO ALL ACCESSIBLE LAVTORIES.

REAR ELEVATION

FRONT ELEVATION

LEFT ELEVATION

RIGHT ELEVATION

STATEMENT OF SPECIAL INSPECTIONS (IBC SECTION 1704.3)

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

1. SOILS–PERIODIC
2. CONCRETE FOOTINGS–EXEMPT PER 1705.3 EXCEPTION #1
3. MASONRY PIERS–PERIODIC
4. BUILDING ANCHORAGE SYSTEM–PERIODIC
5. ON SITE STRUCTURAL INTERCONNECTIONS BETWEEN BUILDING MODULES–PERIODIC
6. 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

N.C. INSTALLATION INSTRUCTIONS

ATTENTION LOCAL INSPECTIONS DEPARTMENT

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

1. THE INTERCONNECTION BETWEEN BUILDING MODULES AT THE FLOOR AND ROOF SHALL BE SPECIFIED ON THE CROSS SECTION DRAWING ON THE PLAN SET.
2. BUILDING TIE DOWN AND ANCHORAGE REQUIREMENTS ARE AS INDICATED ON FOUNDATION PLAN.
3. ELECTRICAL INTERCONNECTIONS BETWEEN BUILDING MODULES SHALL BE PER PAGES IM2 AND IM6 OF THE INSTALLATION INSTRUCTIONS (IF APPLICABLE).
4. MECHANICAL INTERCONNECTIONS BETWEEN BUILDING MODULES SHALL BE PER PAGES IM4 AND IM7 OF THE INSTALLATION INSTRUCTIONS (IF APPLICABLE).
5. PLUMBING INTERCONNECTIONS BETWEEN BUILDING MODULES SHALL BE PER PAGES IM2 AND IM5 OF THE INSTALLATION INSTRUCTIONS (IF APPLICABLE).
6. FIRE BLOCKING SHALL BE PROVIDED PER SECTION 717.2 AND 1406.2.3 OF THE N.C. BUILDING CODE (AS APPLICABLE).
7. AIR INFILTRATION AT MODULE MATE LINES SHALL BE LIMITED BY INSTALLING SILL TAPE ALONG THE MATE LINES DURING SET UP AND/OR BY INSTALLING CONTINUOUS SHEATHING ACROSS THE MATE LINE JOINTS AFTER SET UP.

CODE SUMMARY:

STATE	BUILDING	ELECTRICAL	MECHANICAL	PLUMBING	ACCESSIBILTY	ENERGY CODE
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 NCFC	2020 N.C. ELECT. CODE	2018 NCMC	2018 NCPC	NCBC 2018 CHPT. 11 AND ICC/ANSI A117.1–2009	2018 NC ENERGY CODE
MARYLAND	2018 IBC W/ MD. AMENDMENTS 2018 NFPA 1 AND NFPA 101 WITH MD. AMENDMENTS	2017 NEC W/MD. AMEND.	2018 IMC. W/ MD. AMEND.	2018 IPC W/ MD. AMEND.	2010 ADA 2012 MARYLAND ACCESS. CODE	2018 IECC W/MD. AMEND.

CODE SUMMARY:

STATE	BUILDING	ELECTRICAL	MECHANICAL	PLUMBING	ACCESSIBILTY	ENERGY CODE
DC	2017 DC BLDG. CODE 2015 IBC, 2015 IFC W/DC SUPPLEMENTS (12A DCMR) (12H DCMR)	2017 DC BLDG. CODE 2014 NEC IBC W/DC SUPPLEMENTS (12C DCMR)	2017 DC BLDG. CODE 2015 IMC W/DC SUPPLEMENTS (12E DCMR)	2017 DC BLDG. CODE 2015 IPC W/DC SUPPLEMENTS (12F DCMR)	ICC/ANSI A117.1–09	2017 DC ENERGY CONS. CODE (ASHREA 90.1 2013) W/DC SUPPLEMENTS (12I DCMR)

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

ELEVATION NOTES: TYPICAL

ACCESSIBLE RAMP(S), STAIR(S), AND HANDRAILS ARE SITE INSTALLED, DESIGNED BY SMM 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 INTENEDED 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 SMM ON SITE FOR COMPLIANCE WITH APPLICABLE CODES. COMPLIANCE WITH ALL APPLICABLE CODES PER LOCAL AUTHORITY HAVING JURISDICTION, WHETHER DETAILED IN THIS SET OR NOT, MUST BE MET

BUILDING DESIGN PARAMETERS

1. USE/OCCUPANCY: BUSINESS
2. CONSTRUCTION TYPE: VB
3. SPRINKLER SYSTEM: NO
4. BUILDING AREA: 4200 S.F.
5. BUILDING HEIGHT: ≤ 15 FEET
6. NUMBER OF STORIES: 1
7. NUMBER OF MODULES: 6
8. OCCUPANT LOAD 57 BASED ON 15 SF/PERSON IN BREAK ROOM AND 100 SF/PERSON ELSEWHERE

   OCCUPANT LOAD 46 BASED ON 15 SF/PERSON IN BREAK ROOM AND 150 SF/PERSON ELSEWHERE 2018 IBC
9. EXTERIOR WALL FIRE RATING: NO
10. THIS BUILDING MUST BE INSTALLED WITH THE FIRE SEPARATION DISTANCES REQUIRED BY IBC & NCBC TABLE 602 AND SECTION 705.3
11. ENGERGY CODE COMPLIANCE: SEE ATTACHED ENERGY CALCULATIONS.
12. MANUFACTURERS DATA PLATE, STATE LABELS AND EMC LABELS ARE TO BE LOCATED ADJACENT TO ELECTRICAL PANEL.

DRAWING INDEX

MARYLAND SERIAL NO.:
9619A, 9619B, 9619C, 9619D, 9619E, 9691F

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

DATE: 11–22–21
SCALE : NO SCALE
CODES: SEE NOTES
STATES: MD, VA, NC, DC
MD. PLAN NO: DBI–9619F MD

JOINT BASE ANACOSTIA BOILING
BLDG. 361–362 20 MACDILL BLVD S.W.
WASHINGTON, D.C. 20032

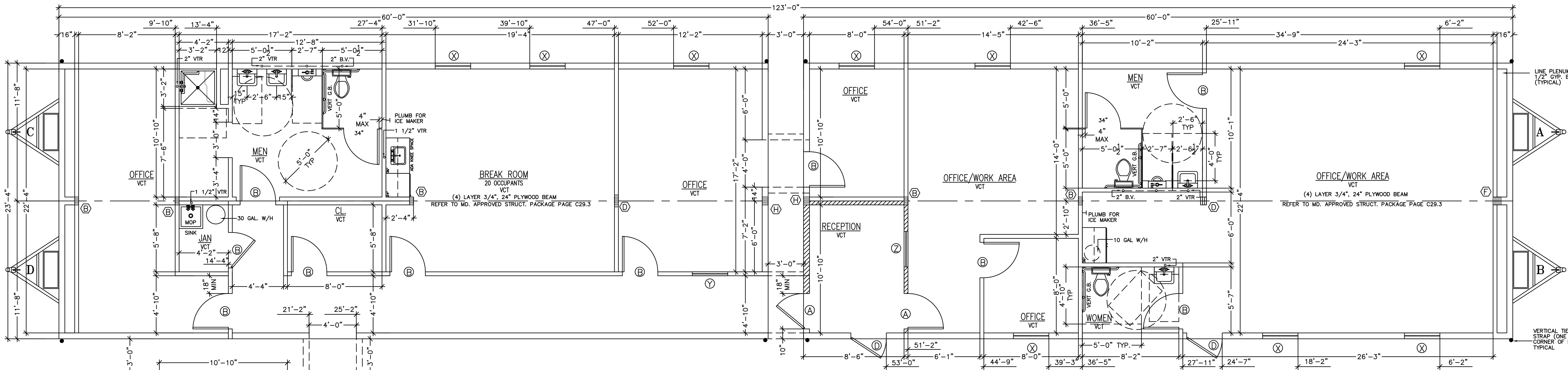
REVISIONS:
BY: K.E.D.

DBI9619 A–F
83'–4" x 123'–0" BUSINESS
COVER SHEET
DESTINATION: D.C.
SHEET 1 OF 5

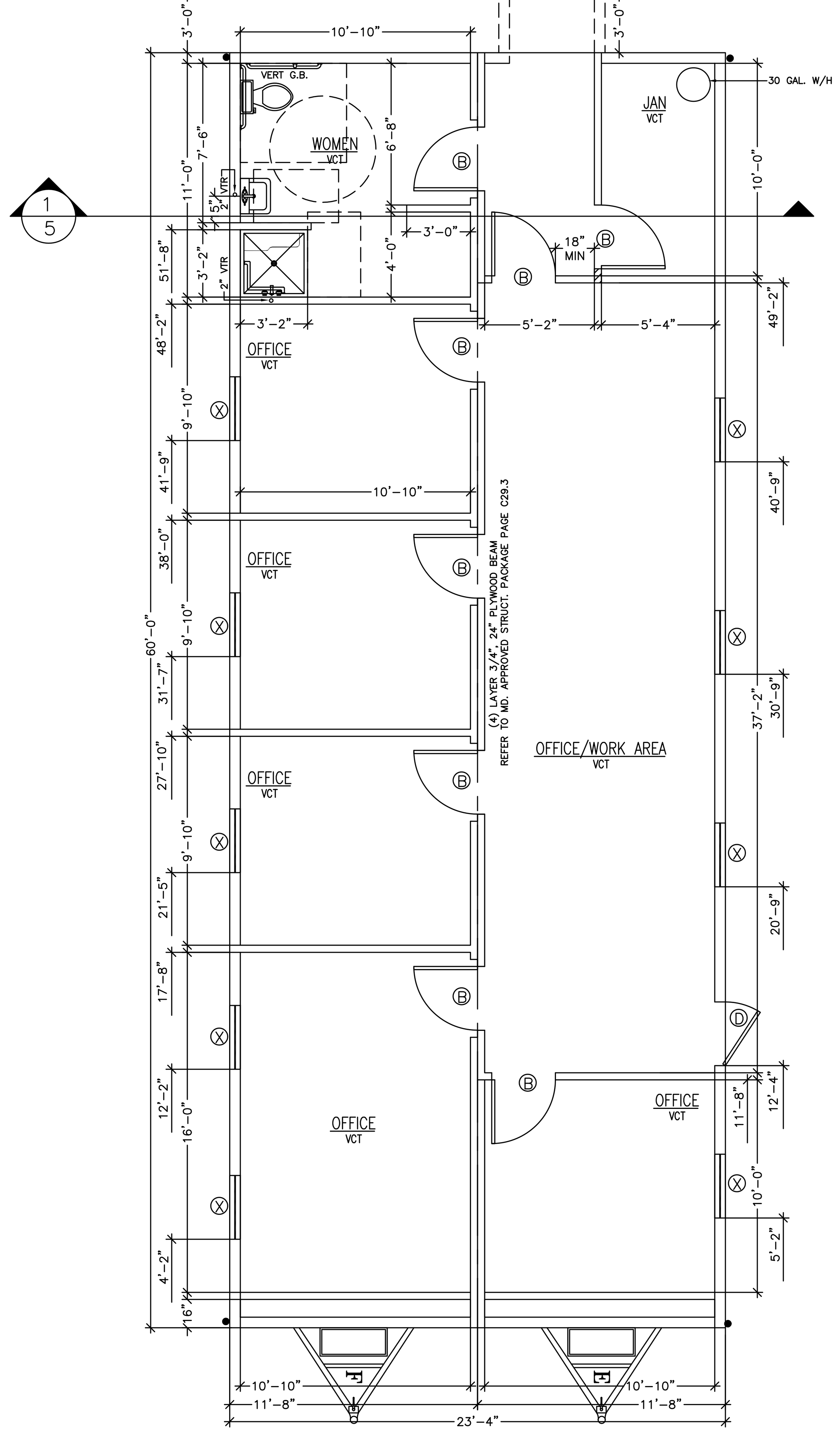
SYMBOLE	DOOR SCHEDULE	TOTAL
A	36"X80" SOLID CORE IMPERIAL OAK W/REDIFRAME, 20 MINUTE, SELF CLOSING, SMOKE RATED	2
B	36"X80" SOLID CORE IMPERIAL OAK W/REDIFRAME	17
D	36"X80" STEEL/STEEL W/4"X24" VIEW PANEL	2
SYMBOLE	**WINDOW SCHEDULE**	**TOTAL**
X	36"X60" VERTICAL SLIDE, INSULATED BRONZE/TINTED	18
Y	36"X36" RECEPTION WINDOW	1
Z	36"X36" RECEPTION WINDOW, FIRE RATED (45 MIN.)	1

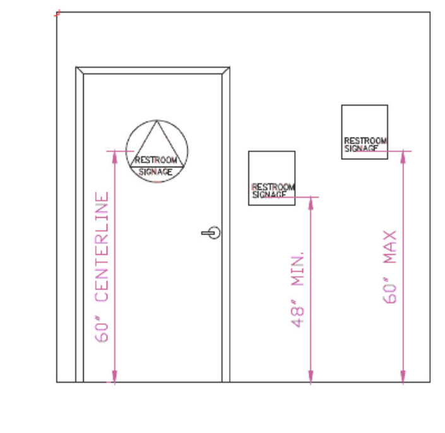
DOOR HARDWARE:

LEVER PRIVACY: RESTROOMS
KEYED LEVER LOCKSET (EXTERIOR DOORS)
LEVER PASSGE: OFFICES



NOTE:
COMPLETE DESIGN AND CONSTRUCTION OF ALL BUILDING CONNECTORS SHALL BE BY OTHERS, SUBJECT TO APPROVAL BY AUTHORITY HAVING JURISDICTION.



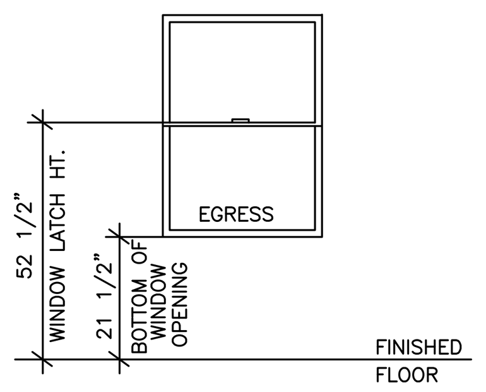


WINDOW SCHEDULE

EXTERIOR:

36"x60" VERTICAL SLIDER +50/−50 DP INSULATED LOW−E, WHITE VINYL FRAME, TINTED GLASS

OPENING: 33.75"x 26.62 = 6.08 S.F.



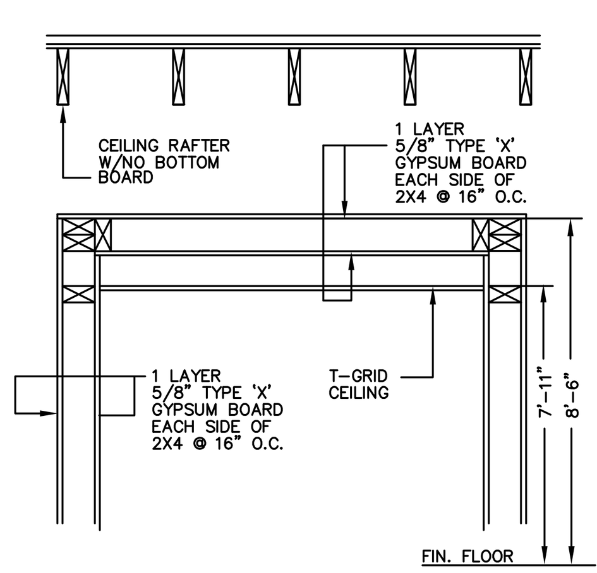
PENETRATION OF FIRE RESISTANT WALLS AND CEILING:

1. COMBUSTIBLE CABLES AND WIRES, COMBUSTIBLE PIPES, TUBES, AND CONDUIT SHALL MEET TESTING REQUIREMENTS OF ASTM E119 AS PART OF THE FIRE RESISTANT ASSEMBLY OR SHALL HAVE THROUGH−PENETRATION FIRESTOP SYSTEMS LISTED AND TESTED AS PER ASTM EB14 AND BE TESTED AT A POSITIVE PRESSURE DIFFERENTIAL BETWEEN THE EXPOSED AND UNEXPOSED SURFACES OF NOT LESS THAN .01 INCH OF WATER AND HAVE AN F RATING OF AT LEAST 1 HOUR BUT NOT LESS THAN THE RATING OF THE ASSEMBLY.
2. CABLES AND WIRES WITHOUT COMBUSTIBLE INSULATIONS AND NONCOMBUSTIBLE PIPES, TUBES, AND CONDUITS SHALL BE PROTECTED AS DESCRIBED ABOVE OR SHALL HAVE THE ANNULAR SPACE FILLED WITH A MATERIAL MEETING THE REQUIREMENT OF ASTM E119 TESTED UNDER A MINIMUM POSITIVE PRESSURE DIFFERENTIAL OF .01 INCH OF WATER FOR A TIME PERIOD EQUIVALENT TO THE RATING OF THE ASSEMBLY.
3. ELECTRICAL BOXES SHALL BE METAL OR LISTED FOR USE IN FIRE RESISTANT ASSEMBLIES AND SHALL NOT EXCEED 16 SQUARE INCHES. BOXES ON OPPOSITE SIDES OF FIRE RESISTANT WALLS SHALL BE SEPARATED BY A MINIMUM HORIZONTAL DISTANCE OF 24 INCHES.
4. ALL CEILING FIXTURES SHALL BE SURFACE MOUNTED.
5. DUCTS PENETRATING FIRE RESISTANT CEILINGS SHALL HAVE AN ACCESSIBLE LISTED FIRE DAMPER LOCATED AT THE CEILING LINE.
6. ALL FIRE RATED DOORS SHALL HAVE LISTED DOOR, FRAME, AND HARDWARE NO LESS THAN THE TIME RATING SPECIFIED ON THE FLOOR PLAN. IN ADDITION FIRE RATED DOORS SHALL BE EQUIPPED WITH SELF CLOSERS AND POSITIVE LATCHING HARDWARE

   EXTERIOR WALL 1 HOUR PER GA FILE NO. WP8105

   WOOD STUD WALLS: (2x4) 1 HOUR PER GA FILE NO. WP3520/WP3605
   1 LAYER 5/8" TYPE 'X'
   GYPSUM EACH SIDE OF WALL.

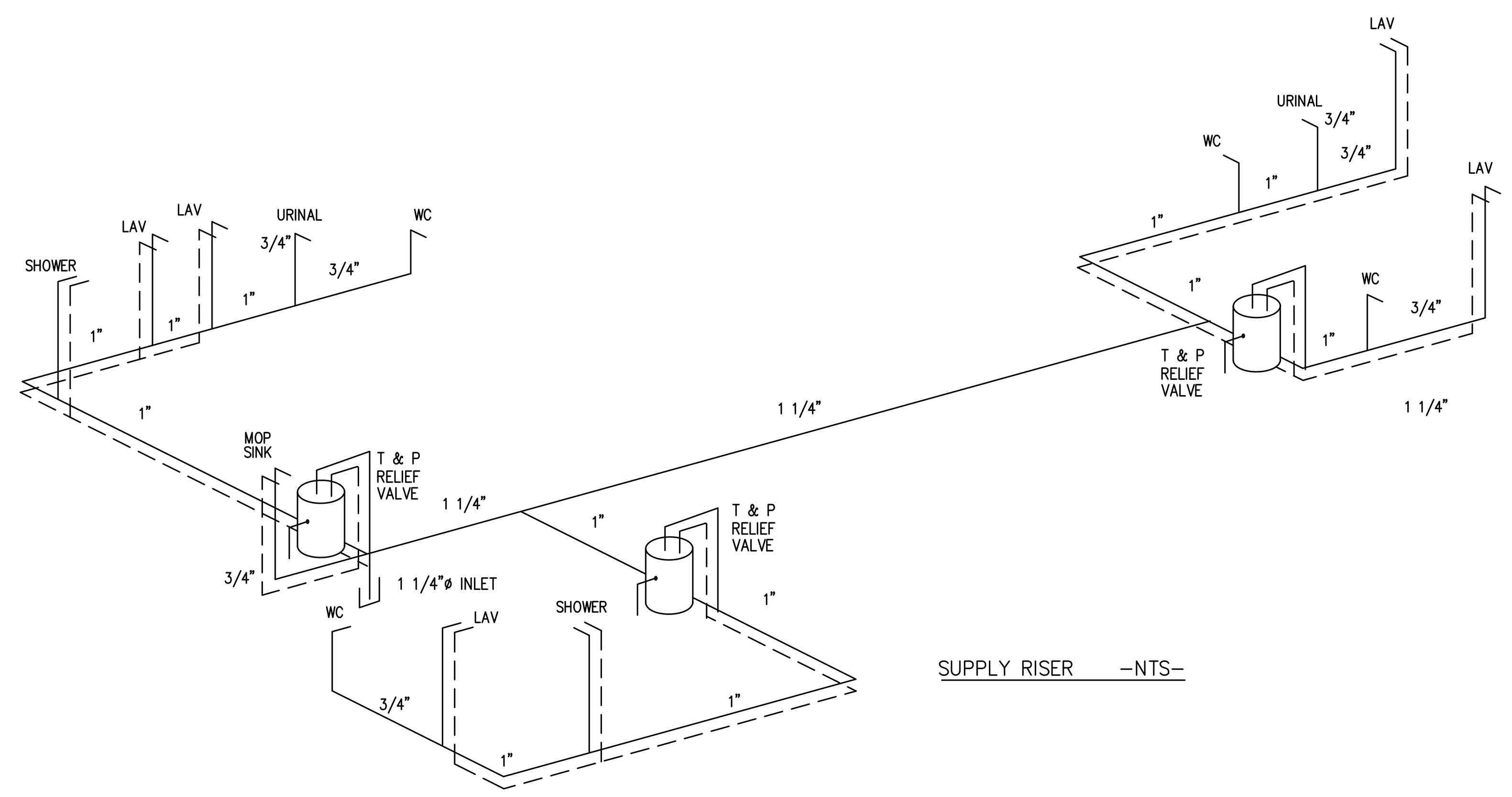
   DROP CEILING: 1 HOUR PER GA FILE NO. WP3605
7. CORRIDOR DAMPERS MUST BE FIRE AND SMOKE DAMPERS IN ACCORDANCE WITH SECTION 717.5.4.1 FOR ALL LOCATIONS THAT ADOPT THE 2015 & 2018 IBC
8. ALL PENETRATIONS ON 1 HOUR RATED CORRIDOR WALLS AND CEILING SHALL BE FIRE CALKED WITH METACAULK 1000 OR EQUAL
9. ALL WALL TO WALL AND WALL TO CEILING JOINTS IN THE 1 HOUR RATED CORRIDOR WALLS AND CEILING SHALL BE FIRE CAULKED WITH METACAULK 1000 OR EQUAL



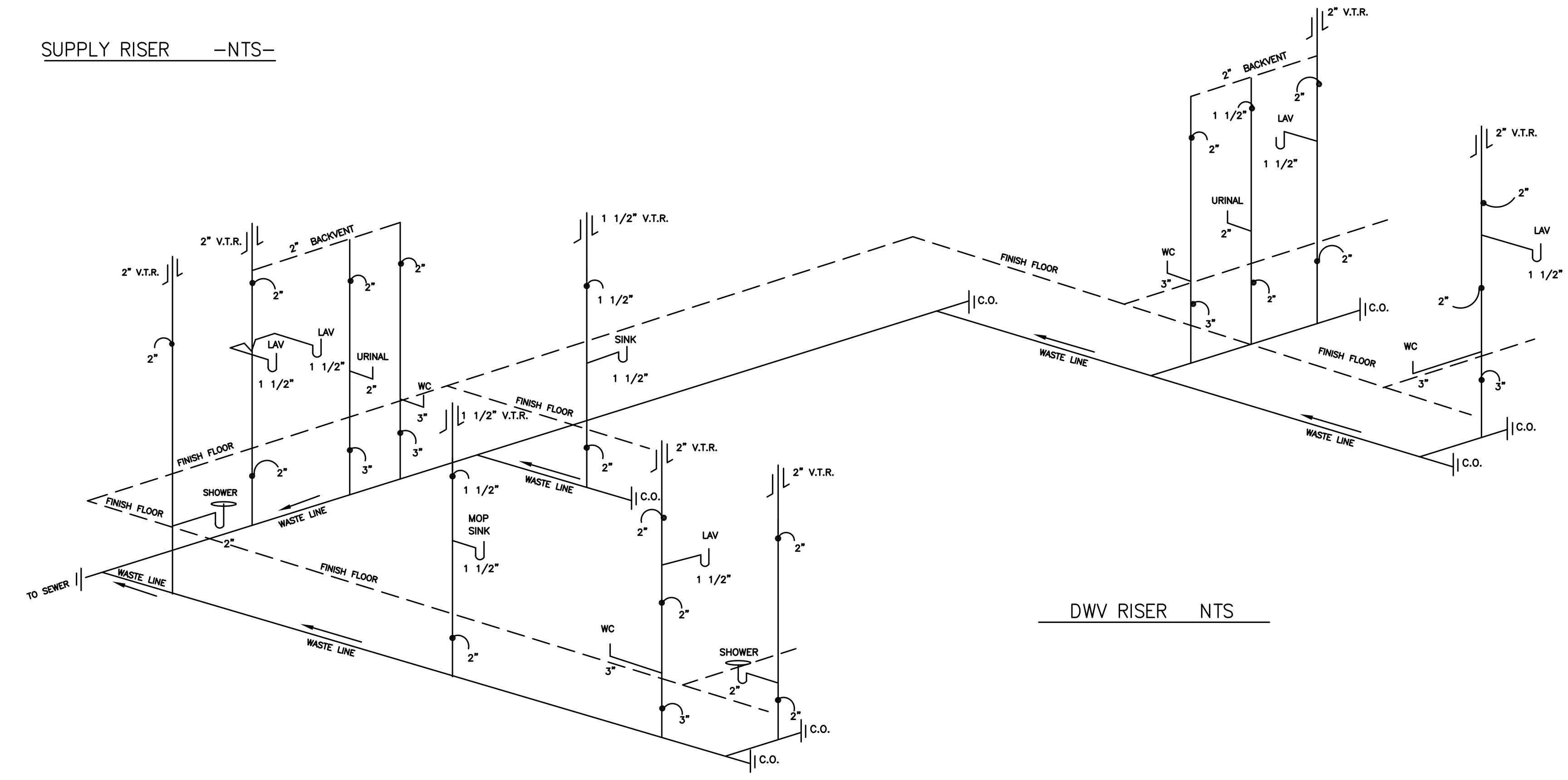
ONE HOUR CONSTRUCTION

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.



SUPPLY RISER -NTS-



DWV RISER NTS

SUPPLY LINE SIZING IS BASED ON AN ASSUMED AVAILABLE PRESSURE OF 46 TO 60 PSI AT MAIN INLET AND SHOULD BE VERIFIED PRIOR TO CONSTRUCTION.

——— COLD
— — — HOT

ALL SUPPLY LINES SHALL BE 3/4", ALL STUB−UPS SHALL BE 1/2" UNLESS OTHERWISE SPECIFIED.

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

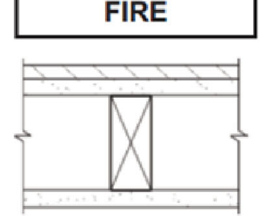
NOTES:
1. ALL COLUMN STUDS SHALL BE GLUE/NAILED TOGETHER. PVA GLUE WITH 100% COVERAGE SHALL BE USED.
2. INSTALL TWO STEEL STRAPS AT EACH STUD OF EACH COLUMN.
3. COLUMN STUDS SHALL NOT BE NOTCHED OR BORED.

GA FILE NO. WP 8105 | **GENERIC** | **1 HOUR FIRE**

GYPSUM WALLBOARD, GYPSUM SHEATHING, WOOD STUDS

EXTERIOR SIDE: One layer 48" wide 5/8" type X gypsum sheathing applied parallel to 2 x 4 wood studs 24" o.c. with 1 3/4" galvanized roofing nails 4" o.c. at vertical joints and 7" o.c. at intermediate studs and top and bottom plates. Joints of gypsum sheathing may be left untreated. Exterior cladding to be attached through sheathing to studs.

INTERIOR SIDE: One layer 5/8" type X gypsum wallboard, water-resistant gypsum backing board, or gypsum veneer base applied parallel or at right angles to studs with 6d coated nails, 1 7/8" long, 0.0915" shank, 1/4" heads, 7" o.c. **(LOAD-BEARING)**

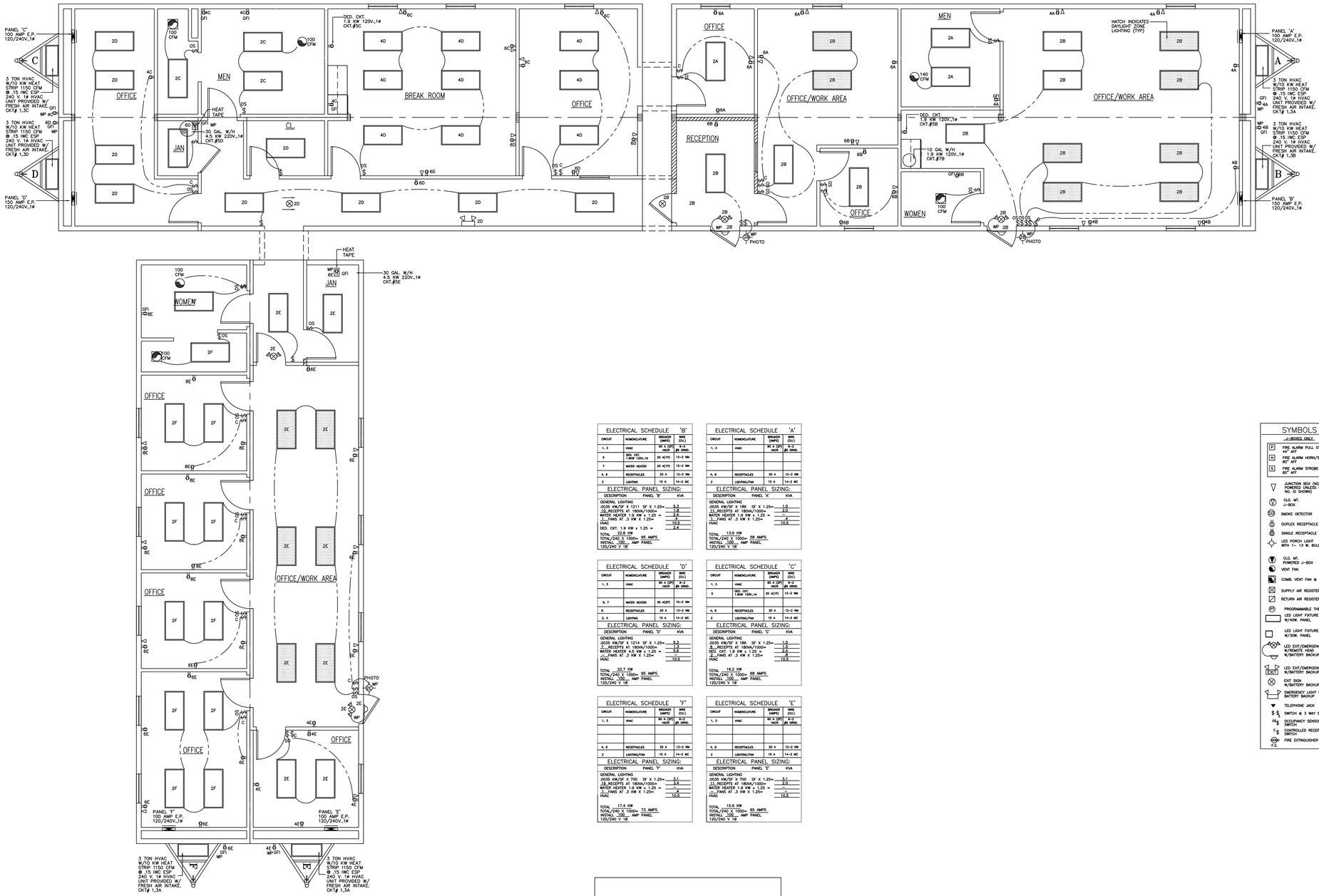


Thickness: Varies
Approx. Weight: 7 psf
Fire Test: See WP 3510 (UL R3501-47, -48, 9-17-65, UL Design U309; UL R1319-129, 7-22-70, UL Design U314)

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: 11−22−21	JOINT BASE ANACOSTIA BOILING BLDG. 361−362 20 MACDILL BLVD S.W. WASHINGTON, D.C. 20032	
SCALE : 3/16"= 1'−0"		
CODES: SEE NOTES		
STATES: MD, VA, NC, DC	REVISIONS:	BY: K.E.D.
MD. PLAN NO: DBI−9619F MD		
DBI9619 A−F 83'−4" x 123'−0" BUSINESS		SHEET 2 OF 5
FLOOR PLAN	DESTINATION: D.C.	



ELECTRICAL SCHEDULE 'B'			
CIRCUIT	NOMENCLATURE	BREAKER (AMPS)	WIRE (GA.)
1, 3	HVAC	60 X (2P) HACR	6-2 @ GRND.
5	DED. CKT. 1.9KW 120V.,1ø	20 A(1P)	12-2 NM
7	WATER HEATER	30 A(1P)	10-2 NM
4, 6	RECEPTACLES	20 A	12-2 NM
2	LIGHTING	15 A	14-2 NC

ELECTRICAL PANEL SIZING:

DESCRIPTION	PANEL 'B'	KVA
GENERAL LIGHTING		
.0035 KW/SF X 1211 SF X 1.25=		5.3
33 RECEPTS AT 180VA/1000=		1.5
WATER HEATER 1.9 KW x 1.25 =		2.4
1 - FANS AT .3 KW X 1.25=		.4
HVAC		10.5
DED. CKT. 1.9 KW x 1.25 =		2.4
TOTAL 22.8 KW		
TOTAL/240 X 1000= 95 AMPS		
INSTALL 100 AMP PANEL		
120/240 Y 1Ø		

ELECTRICAL SCHEDULE 'A'			
CIRCUIT	NOMENCLATURE	BREAKER (AMPS)	WIRE (GA.)
1, 3	HVAC	60 X (2P) HACR	6-2 @ GRND.
4, 6	RECEPTACLES	20 A	12-2 NM
2	LIGHTING/FAN	15 A	14-2 NC

ELECTRICAL PANEL SIZING:

DESCRIPTION	PANEL 'A'	KVA
GENERAL LIGHTING		
.0035 KW/SF X 189 SF X 1.25=		1.0
11 RECEPTS AT 180VA/1000=		2.0
WATER HEATER 1.9 KW x 1.25 =		—
1 - FANS AT .3 KW X 1.25=		.4
HVAC		10.5
TOTAL 13.9 KW		
TOTAL/240 X 1000= 58 AMPS		
INSTALL 100 AMP PANEL		
120/240 Y 1Ø		

ELECTRICAL SCHEDULE 'D'			
CIRCUIT	NOMENCLATURE	BREAKER (AMPS)	WIRE (GA.)
1, 3	HVAC	60 X (2P) HACR	6-2 @ GRND.
5, 7	WATER HEATER	30 A(2P)	10-2 NM
6	RECEPTACLES	20 A	12-2 NM
2, 4	LIGHTING	15 A	14-2 WC

ELECTRICAL PANEL SIZING:

DESCRIPTION	PANEL 'D'	KVA
GENERAL LIGHTING		
.0035 KW/SF X 1214 SF X 1.25=		5.3
7 RECEPTS AT 180VA/1000=		1.3
WATER HEATER 4.5 KW x 1.25 =		5.6
1 - FANS AT .3 KW X 1.25=		.4
HVAC		10.5
TOTAL 22.7 KW		
TOTAL/240 X 1000= 95 AMPS		
INSTALL 100 AMP PANEL		
120/240 Y 1Ø		

ELECTRICAL SCHEDULE 'C'			
CIRCUIT	NOMENCLATURE	BREAKER (AMPS)	WIRE (GA.)
1, 3	HVAC	60 X (2P) HACR	6-2 @ GRND.
5	DED. CKT. 1.9KW 120V.,1ø	20 A(1P)	12-2 NM
4, 6	RECEPTACLES	20 A	12-2 NM
2	LIGHTING/FAN	15 A	14-2 WC

ELECTRICAL PANEL SIZING:

DESCRIPTION	PANEL 'C'	KVA
GENERAL LIGHTING		
.0035 KW/SF X 186 SF X 1.25=		1.0
8 RECEPTS AT 180VA/1000=		1.5
DED. CKT. 1.9 KW x 1.25 =		2.4
1 - FANS AT .3 KW X 1.25=		.4
HVAC		10.5
TOTAL 16.2 KW		
TOTAL/240 X 1000= 68 AMPS		
INSTALL 100 AMP PANEL		
120/240 Y 1Ø		

ELECTRICAL SCHEDULE 'F'			
CIRCUIT	NOMENCLATURE	BREAKER (AMPS)	WIRE (GA.)
1, 3	HVAC	60 X (2P) HACR	6-2 @ GRND.
4, 6	RECEPTACLES	20 A	12-2 NM
2	LIGHTING/FAN	15 A	14-2 WC

ELECTRICAL PANEL SIZING:

DESCRIPTION	PANEL 'F'	KVA
GENERAL LIGHTING		
.0035 KW/SF X 700 SF X 1.25=		3.1
19 RECEPTS AT 180VA/1000=		3.4
WATER HEATER 1.9 KW x 1.25 =		—
1 - FANS AT .3 KW X 1.25=		.4
HVAC		10.5
TOTAL 17.4 KW		
TOTAL/240 X 1000= 73 AMPS		
INSTALL 100 AMP PANEL		
120/240 Y 1Ø		

ELECTRICAL SCHEDULE 'E'			
CIRCUIT	NOMENCLATURE	BREAKER (AMPS)	WIRE (GA.)
1, 3	HVAC	60 X (2P) HACR	6-2 @ GRND.
4, 6	RECEPTACLES	20 A	12-2 NM
2	LIGHTING/FAN	15 A	14-2 WC

ELECTRICAL PANEL SIZING:

DESCRIPTION	PANEL 'E'	KVA
GENERAL LIGHTING		
.0035 KW/SF X 700 SF X 1.25=		3.1
11 RECEPTS AT 180VA/1000=		2.0
WATER HEATER 1.9 KW x 1.25 =		—
— FANS AT .3 KW X 1.25=		—
HVAC		10.5
TOTAL 15.6 KW		
TOTAL/240 X 1000= 65 AMPS		
INSTALL 100 AMP PANEL		
120/240 Y 1Ø		

SYMBOLS

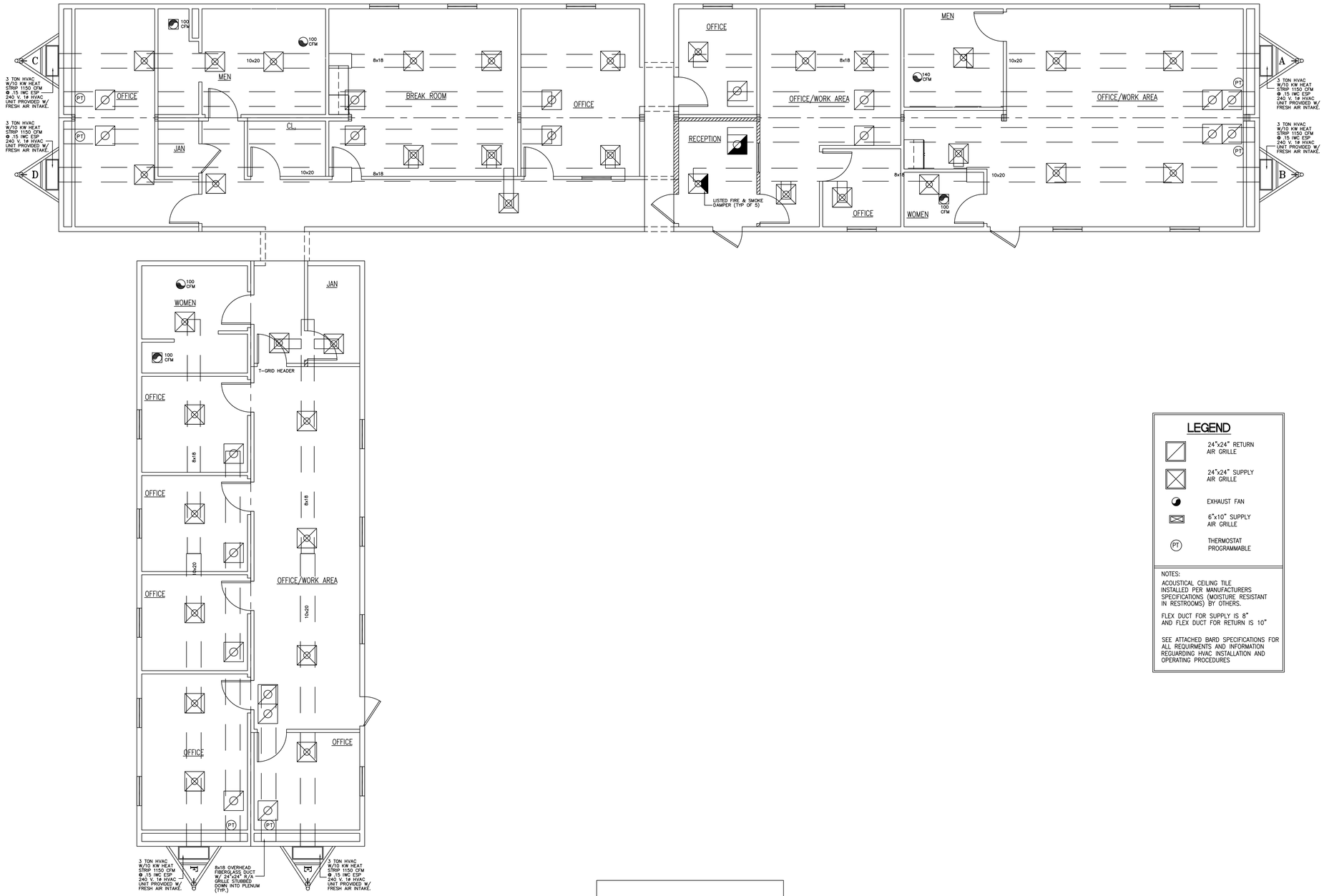
J-BOXES ONLY

- F — FIRE ALARM PULL STATION 44" AFF
- H — FIRE ALARM HORN/STROBE 80" AFF
- S — FIRE ALARM STROBE LIGHT 80" AFF
- JUNCTION BOX (NON POWERED UNLESS CIRCUIT NO. IS SHOWN)
- CLG. MT. J-BOX
- SD — SMOKE DETECTOR
- DUPLEX RECEPTACLE 120 V.
- SINGLE RECEPTACLE 240 V.
- LED PORCH LIGHT WITH 1- 13 W. BULB
- CLG. MT. POWERED J-BOX
- VENT FAN
- COMB. VENT FAN & LED LIGHT
- SUPPLY AIR REGISTER
- RETURN AIR REGISTER
- PT — PROGRAMMABLE THERMOSTAT
- LED LIGHT FIXTURE W/40W. PANEL
- LED LIGHT FIXTURE W/30W. PANEL
- LED EXIT/EMERGENCY COMBO W/REMOTE HEAD W/BATTERY BACKUP
- LED EXIT/EMERGENCY COMBO W/BATTERY BACKUP
- EXIT SIGN W/BATTERY BACKUP
- EMERGENCY LIGHT WITH BATTERY BACKUP
- TELEPHONE JACK
- $ — SWITCH @ 3 WAY SWITCH
- OS — OCCUPANCY SENSOR SWITCH
- C — CONTROLLED RECEPTACLE SWITCH
- FE — FIRE EXTINGUISHER

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: 11-22-21	JOINT BASE ANACOSTIA BOILING
SCALE : 3/16"=1'-0"	BLDG. 361-362 20 MACDILL BLVD S.W. WASHINGTON, D.C. 20032
CODES: SEE NOTES	
STATES: MD, VA, NC, DC	REVISIONS:
MD. PLAN NO: DB-9619F MD	BY: K.E.D.
DBI9619 A-F	SHEET
83'-4" x 123'-0" BUSINESS	3 OF 5
ELECTRICAL	DESTINATION: D.C.



LEGEND

- 24"x24" RETURN AIR GRILLE
- 24"x24" SUPPLY AIR GRILLE
- EXHAUST FAN
- 6"x10" SUPPLY AIR GRILLE
- (PT) 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 REQUIRMENTS AND INFORMATION REGUARDING HVAC INSTALLATION AND OPERATING PROCEDURES

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: 11-22-21
SCALE : 3/16"=1'-0"
CODES: SEE NOTES
STATES: MD, VA, NC, DC
MD. PLAN NO: DBI-9619F MD

JOINT BASE ANACOSTIA BOILING
BLDG. 361-362 20 MACDILL BLVD S.W.
WASHINGTON, D.C. 20032

REVISIONS:

BY: K.E.D.

DBI9619 A-F
83'-4" x 123'-0" BUSINESS

MECHANICAL

DESTINATION: D.C.

SHEET 4 OF 5

EXTERIOR FINISH MATERIAL:

ROOF – MULE–HIDE 45 MIL (BLACK) EPDM (ESR–1463) FULLY ADHERED TO 7/16" OSB OR 1/2" PLYWOOD WITH MULE–HIDE FR ADHESIVE IN ACCORDANCE WITH INTERTEK REPORT CCRR–1078 (CLASS C ROOF)

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

INTERIOR FINISH MATERIAL:

CEILING – T–GRID CEILING INSTALLED PER MANUFACTURER'S SPECIFICATIONS.

WALLS – 1/2" TYPE 'X' GYPSUM BOARD THROUGH OUT INSTALLED PER MANUFACTURERS SPECIFICATIONS

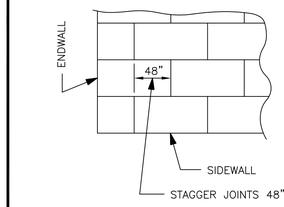
FLOOR – AS NOTED ON FLOOR PLAN

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

GENERAL CROSS–SECTION NOTES:

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

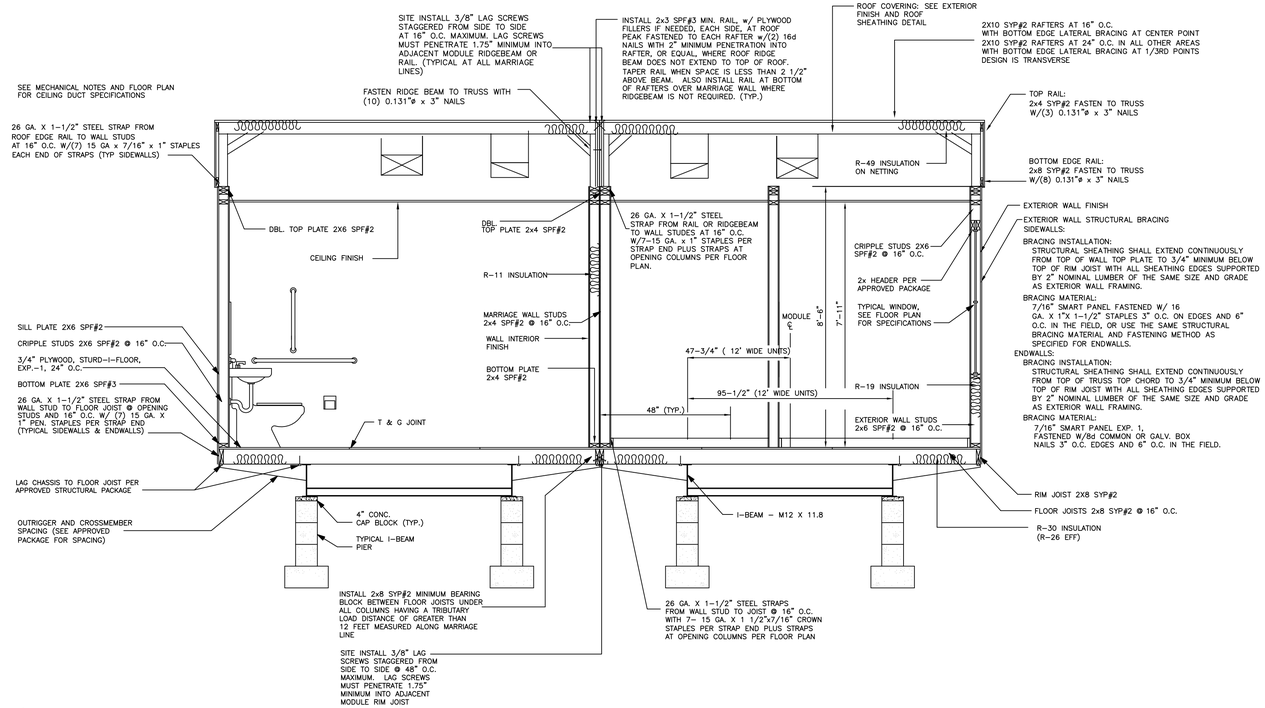
- TYPICAL FOUNDATION LAYOUT SHOWN IS TO AID THE SITE ENGINEER/ARCHITECT FOR ENGINEER/ARCHITECT FOR LOCATIONS OF REQUIRED SUPPORTS. ACTUAL FOUNDATION MUST BE DESIGNED TO SITE CONDITIONS FOR ALL APPLICABLE LOADS. THIS INCLUDES BUT IS NOT LIMITED TO CONSTRUCTION OF THE FOUNDATION, SEISMIC DESIGN AND ATTACHING 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.

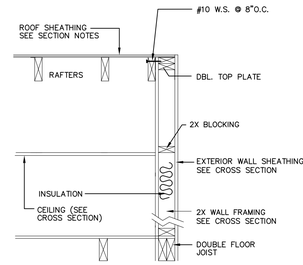


ROOF SHEATHING FASTENED TO TRUSSES W/0.131"ø x 2.5" NAILS @ 6" O.C. ON EDGES AND 6" O.C. IN THE FIELD ON ALL ZONES

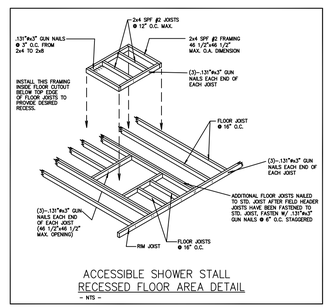
ROOF SHEATHING DETAIL

SEE DBI DESIGN PACKAGE PAGES C36.0–36.3 (ASCE 7–16) AND C35.0–35.3 (ASCE 7–10) FOR DIAGONAL BRACING AND ROOF JOIST GUSSET DETAILS.





BALLOON END WALL DETAIL
NTS



ACCESSIBLE SHOWER STALL
RECESSED FLOOR AREA DETAIL
– NTS –

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

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:

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

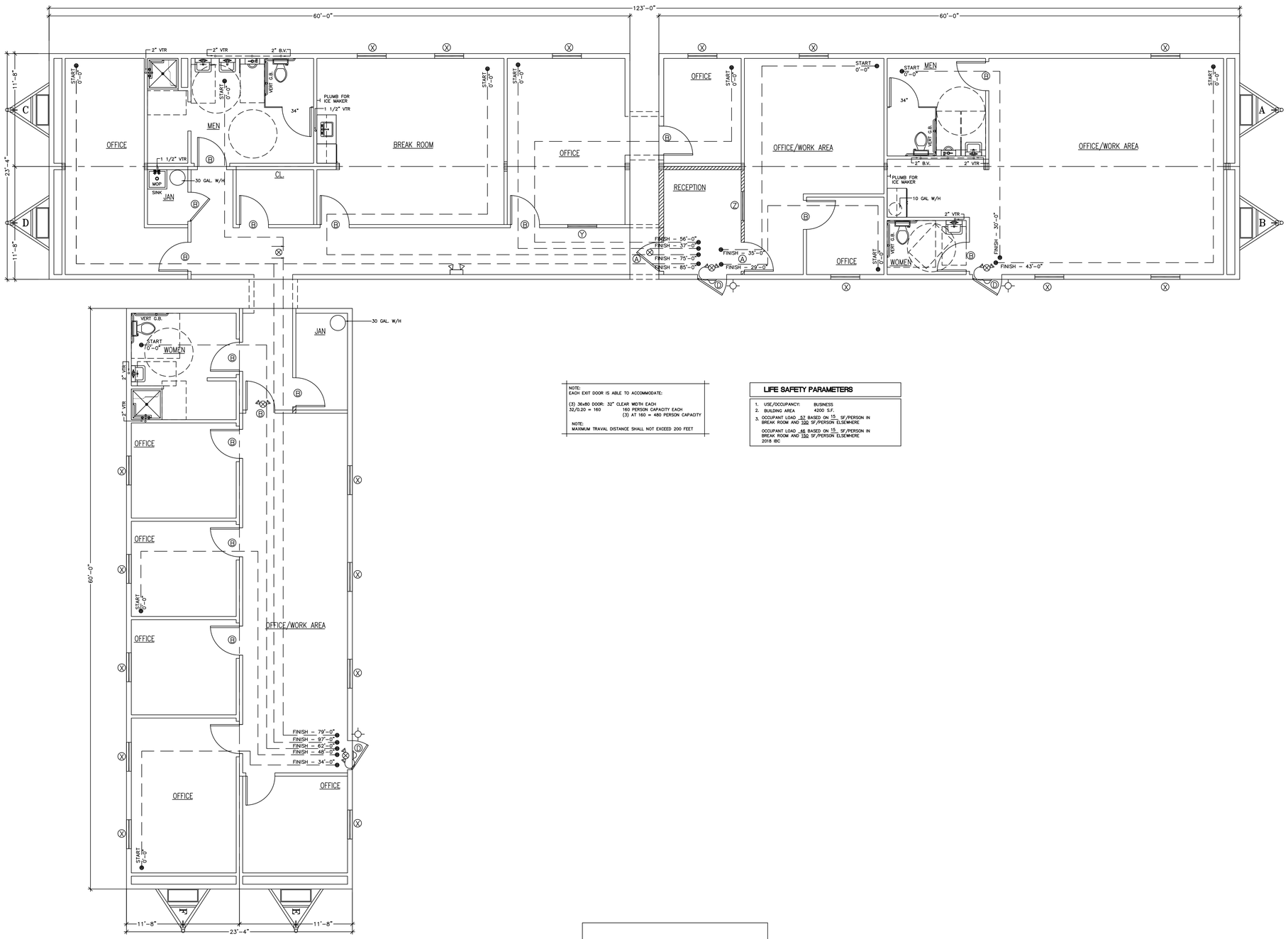
CONSULTING ENGINEER | KENNETH EARL DUNMON – P.O. BOX 6853 – AMERICUS, GEORGIA 31719 – 229–942–2020

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

DATE: 11–22–21	JOINT BASE ANACOSTIA BOILING
SCALE : NO SCALE	BLDG. 361–362 20 MACDILL BLVD S.W. WASHINGTON, D.C. 20032
CODES: SEE NOTES	
STATES: MD, VA, NC, DC	REVISIONS: BY:
MD. PLAN NO: DBI–9619F MD	K.E.D.
DBI9619 A–F 83'–4" x 123'–0" BUSINESS	SHEET 5 OF 5
CROSS SECTION	DESTINATION: D.C.

SYMBOL	DOOR SCHEDULE	TOTAL
A	36"X80" SOLID CORE IMPERIAL OAK W/REDIFRAME, 20 MINUTE, SELF CLOSING, SMOKE RATED	2
B	36"X80" SOLID CORE IMPERIAL OAK W/REDIFRAME	17
D	36"X80" STEEL/STEEL W/4"X24" VIEW PANEL	2
SYMBOL	WINDOW SCHEDULE	TOTAL
X	36"X60" VERTICAL SLIDE, INSULATED BRONZE/TINTED	18
Y	36"X36" RECEPTION WINDOW	1
Z	36"X36" RECEPTION WINDOW, FIRE RATED (45 MIN.)	1

DOOR HARDWARE:
LEVER PRIVACY: RESTROOMS
KEYED LEVER LOCKSET (EXTERIOR DOORS)
LEVER PASSGE: OFFICES



NOTE:
EACH EXIT DOOR IS ABLE TO ACCOMMODATE:

(3) 36x80 DOOR: 32" CLEAR WIDTH EACH
32/0.20 = 160 160 PERSON CAPACITY EACH
(3) AT 160 = 480 PERSON CAPACITY

NOTE:
MAXIMUM TRAVAL DISTANCE SHALL NOT EXCEED 200 FEET

LIFE SAFETY PARAMETERS

1. USE/OCCUPANCY: BUSINESS
2. BUILDING AREA 4200 S.F.
3. OCCUPANT LOAD 57 BASED ON 15 SF/PERSON IN BREAK ROOM AND 100 SF/PERSON ELSEWHERE

   OCCUPANT LOAD 46 BASED ON 15 SF/PERSON IN BREAK ROOM AND 150 SF/PERSON ELSEWHERE
   2018 IBC

CONSULTING ENGINEER | KENNETH EARL DUNMON — 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: 11-22-21
SCALE : NO SCALE
CODES: SEE NOTES
STATES: MD, VA, NC, DC
MD. PLAN NO: DBI-9619F MD

JOINT BASE ANACOSTIA BOILING
BLDG. 361-362 20 MACDILL BLVD S.W.
WASHINGTON, D.C. 20032

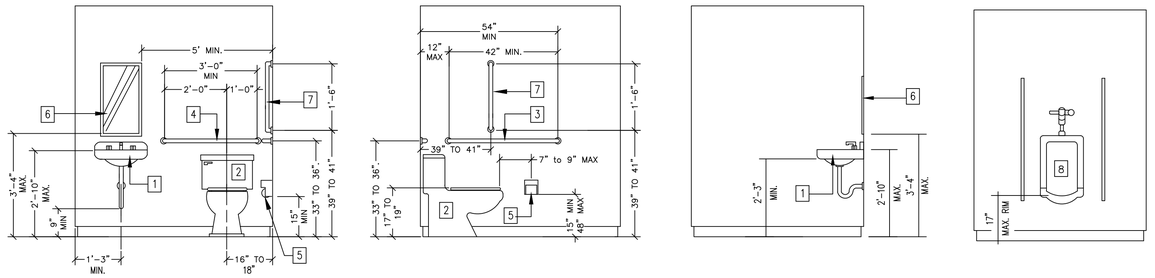
REVISIONS: BY: K.E.D.

DBI9619 A-F
83'-4" x 123'-0" BUSINESS

LIFE SAFETY | DESTINATION: D.C. | SHEET LF-1

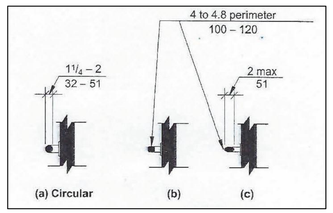
LEGEND:

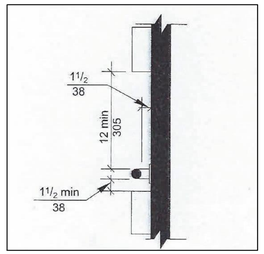
1. LAVATORY
2. H/C WATER CLOSET
3. 42" GRAB BAR 12 INCHES MAXIMUM FROM REAR WALL
4. 36" GRAB BAR
5. TOILET PAPER HOLDER
6. MIRROR (TILTED)
7. 18" VERT GRAB BAR
8. ACCESS URINAL



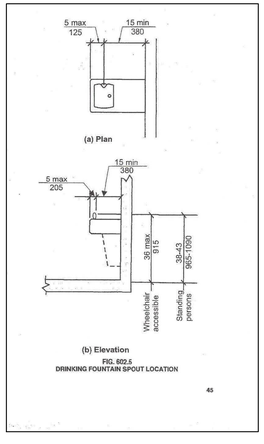
INTERIOR ELEVATIONS

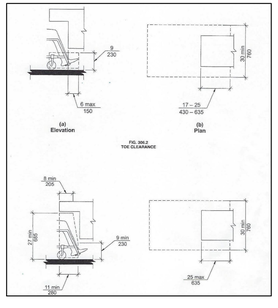
SCALE: 1/4"=1'-0"





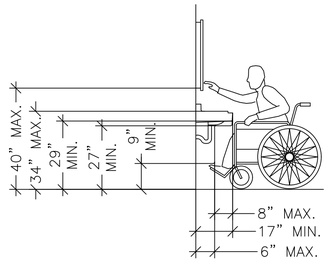
GRAB BAR DETAIL





TYP. DRINKING FOUNT. ELEVATIONS

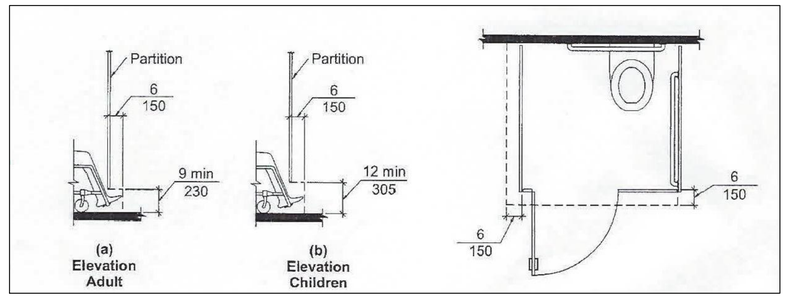
HEIGHTS AND CLEARENCES



ADA ACCESSIBLE SINK ELEVATION

THESE DETAILS ARE BASED ON 20210 ADA REQUIRMENTS

FOR BUILDINGS THAT UTILIZES OTHER ACCESSIBILITY CODES. REFER TO APPLICABLE CODES SPECIFIC REQUIRMENTS



TYP. TOE CLEARENCE

TOILET AND STALL

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: 11-22-21
SCALE : NO SCALE
CODES: SEE NOTES
STATES: MD, VA, NC, DC
MD. PLAN NO: DB-9619F MD

JOINT BASE ANACOSTIA BOILING
BLDG. 361-362 20 MACDILL BLVD S.W.
WASHINGTON, D.C. 20032

REVISIONS:

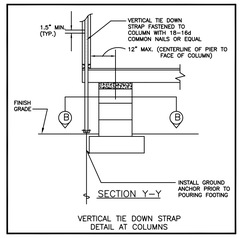
BY: K.E.D.

DBI9619 A-F
83'-4" x 123'-0" BUSINESS

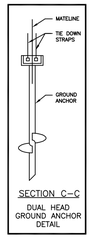
ACCESSIBLE DETAILS

DESTINATION: D.C.

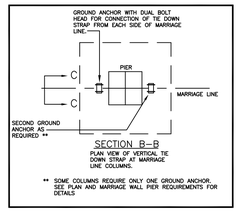
SHEET AD-1



VERTICAL TIE DOWN STRAP
DETAIL AT COLUMNS



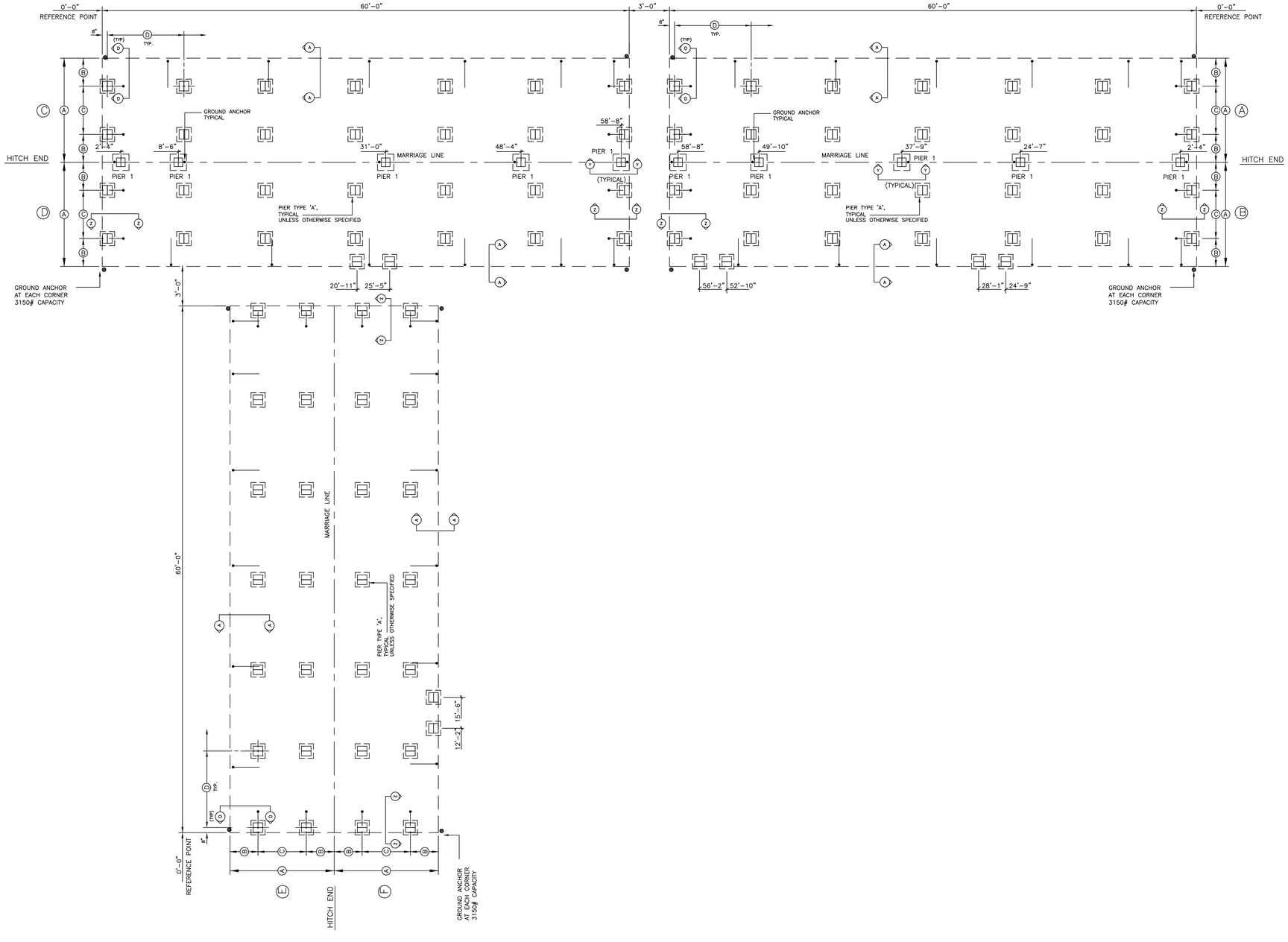
DUAL HEAD
GROUND ANCHOR
DETAIL

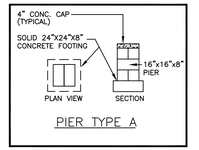


NOTE:
THIS FOUNDATION PLAN IS PROVIDED FOR REFERENCE AS A TYPICAL STANDARD. ACTUAL FOUNDATION CONDITIONS MUST BE EVALUATED FOR APPLICABILITY IF THIS PLAN IS TO BE USED. ALTERNATE FOUNDATION PLANS MAY BE DESIGNED BY OTHERS IN ACCORDANCE WITH THE REQUIREMENTS OF THE JURISDICTION HAVING AUTHORITY.

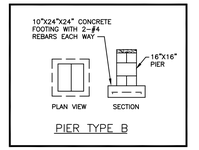
MARRIAGE WALL PIER REQUIREMENTS

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

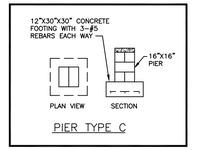




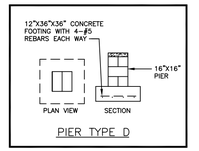
PIER TYPE A



PIER TYPE B



PIER TYPE C

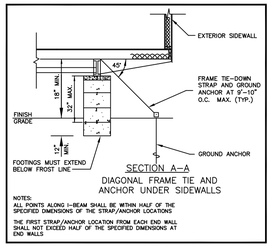


PIER TYPE D

NOTE:
THIS FOUNDATION PLAN IS FOR REFERENCE ONLY AND IS NOT PART OF THE STATE OF MARYLAND APPROVAL

FOUNDATION NOTES:

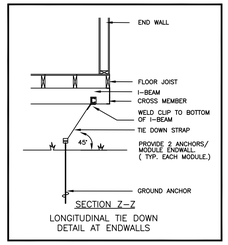
1. ALL FOUNDATION CONSTRUCTION, MATERIALS, AND INSTALLATION SHALL BE IN ACCORDANCE WITH ALL APPLICABLE STATE AND LOCAL CODES.
2. TIE-DOWN STRAPS TO BE 1-1/4"x .035" TYPE-1, FINISH B, GRADE 1 ZINC COATED STEEL, STRAPPING CERTIFIED BY A REGISTERED ENGINEER OR ARCHITECT AS CONFORMING WITH ASTM D3953-91.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



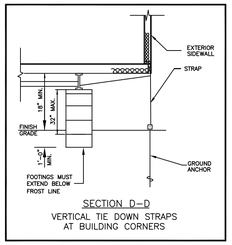
DIAGONAL FRAME TIE AND
ANCHOR UNDER SIDEWALLS

NOTES:
ALL POINTS ALONG I-BEAM SHALL BE WITHIN HALF OF THE SPECIFIED DIMENSIONS OF THE STRAP/ANCHOR LOCATIONS

THE FIRST STRAP/ANCHOR LOCATION FROM EACH END WALL SHALL NOT EXCEED HALF OF THE SPECIFIED DIMENSIONS AT END WALLS



LONGITUDINAL TIE DOWN
DETAIL AT ENDWALLS



VERTICAL TIE DOWN STRAPS
AT BUILDING CORNERS

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.

FOUNDATION DIMENSIONS

A MODULE WIDTH	B PIER TO MODULE EDGE	C STEEL BEAM SPACING
11'-8"	22 1/4"	95 1/2"

D MAXIMUM PIER SPACING	MINIMUM SOIL BEARING CAPACITY
9'-0"	2000 PSF
9'-0"	3000 PSF

NOTE:
THE NUMBER OF PIERS SHOWN ON THIS FOUNDATION PLAN IS NO INDICATION OF THE AMOUNT OF PIERS REQUIRED AND NEEDED FOR THIS BUILDING. SEE MAXIMUM PIER SPACING CHARTS ABOVE FOR THE CORRECT NUMBER OF PIERS REQUIRED FOR EACH SPECIFIC MANUFACTURER. ALSO THE NUMBER STRAP (SPACING) MAY BE DETERMINED IN SECTION 3-A. THE NUMBER OF ALL COMPONENTS OF THIS FOUNDATION PLAN CAN BE FOUND IN THE CHARTS AND DTAILS ABOVE.

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: 11-22-21	JOINT BASE ANACOSTIA BOILING
SCALE : NO SCALE	BLDG. 361-362 20 MACDILL BLVD S.W. WASHINGTON, D.C. 20032
CODES: SEE NOTES	
STATES: MD, VA, NC, DC	REVISIONS: BY:
MD. PLAN NO: DBI-9619F MD	K.E.D.
DBI9619 A-F	SHEET
83'-4" x 123'-0" BUSINESS	
FOUNDATION	DESTINATION: D.C. 1 OF 1