

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...

LIMITATIONS OF APPROVAL N.J.

- 1. THE APPROVAL OF THE PLAN UNDER THE INDUSTRIALIZED BUILDING COMMISSION PROGRAM IS PART OF THE MANUFACTURERS BUILDING SYSTEM APPROVAL...

SPECIAL CONDITIONS AND REQUIREMENTS

- ANY SITE ADDED STRUCTURES MUST BE INDEPENDENT OF THE FACTORY BUILDING UNLESS THE ENTIRE BUILDING IS REVALUATED BY THE SITE ENGINEER.

PLUMBING NOTES:

- 1. TOILETS SHALL BE ELONGATED WITH NONABSORBENT OPEN FRONT SEAT. 2. REST ROOM WALLS SHALL BE COVERED WITH NONABSORBENT MATERIAL TO A MINIMUM HEIGHT OF 48 INCHES A.F.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.

ELECTRICAL NOTES:

- 1. ALL CIRCUITS AND EQUIPMENT SHALL BE GROUNDED IN ACCORDANCE WITH THE APPROPRIATE ARTICLES OF THE NATIONAL ELECTRICAL CODE (NEC).

MARYLAND NOTES:

- 1. REFER TO STATE PACKAGE PAGE NO. C340 FOR REQUIRED DUCT PROTECTION AT CONNECTION TO HVAC UNIT.

MD, NJ, SC, VA STRUCTURAL LOAD LIMITATIONS:

Table with columns for MD, NJ, SC, VA and rows for FLOOR DEAD AND LIVE LOADS, ROOF DEAD AND LIVE LOADS, WIND LOADS, and ROOF RAIN LOADS.

NO. STRUCTURAL LOAD LIMITATIONS:

Table with columns for NO. and rows for FLOOR DEAD AND LIVE LOADS, ROOF DEAD AND LIVE LOADS, WIND LOADS, and ROOF RAIN LOADS.

ACCESSIBILITY NOTES:

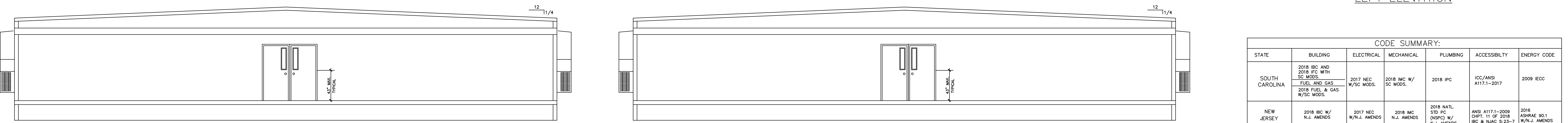
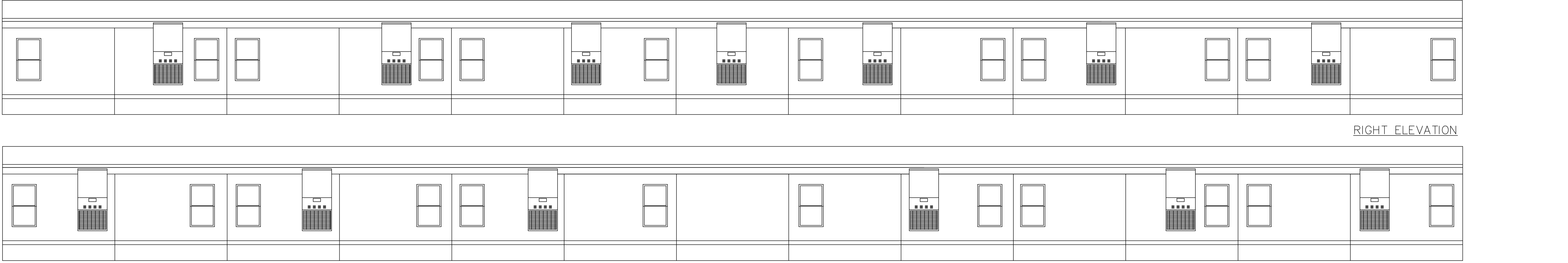
- 1. THE INTERNATIONAL SYMBOL OF ACCESSIBILITY SIGN SHALL BE DISPLAYED AT ALL ACCESSIBLE RESTROOM FACILITIES AND AT ACCESSIBLE BUILDING ENTRANCES UNLESS OTHERWISE SPECIFIED.

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.

STATEMENT OF SPECIAL INSPECTIONS (IBC SECTION 1704.3)

- 1. SOLS-FERROUS
2. CONCRETE FOOTINGS-EXEMPT PER 1703.3 EXCEPTION #1
3. MASONRY PIERS-FERROUS



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.

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...

N.C. INSTALLATION INSTRUCTIONS ATTENTION LOCAL INSPECTIONS DEPARTMENT INSTALLATION INSTRUCTIONS FOR THIS MODULAR BUILDING ARE INCLUDED BY ATTACHMENT TO THESE PLANS...

ALLOWABLE BUILDING AREA 1. TABLE 506.2 ALLOWABLE AREA = 9,500 SQ. FT. 2. 1-STORY WITH SPRINKLER (S1) = 38,000 S.F. (TYPE V8) 3. ALLOWABLE AREA: 38,000 > 11,728

BUILDING DESIGN PARAMETERS 1. USE/OCCUPANCY: EDUCATION 2. CONSTRUCTION TYPE: V8 3. SPRINKLER SYSTEM: YES 1728 S.F. 4. BUILDING AREA: 1728 S.F. 5. FLOOR AREA: 515 S.F. 6. NUMBER OF STORES: 13 7. NUMBER OF MODULES: 13 8. OCCUPANT LOAD BASED ON 20 SF/PERSON IN CLASSROOMS AND 150 SF/PERSON ELSEWHERE (OCCUPANT LOAD 305 BASED ON 20 SF/PERSON IN CLASSROOMS AND 150 SF/PERSON ELSEWHERE (2018 IBC))

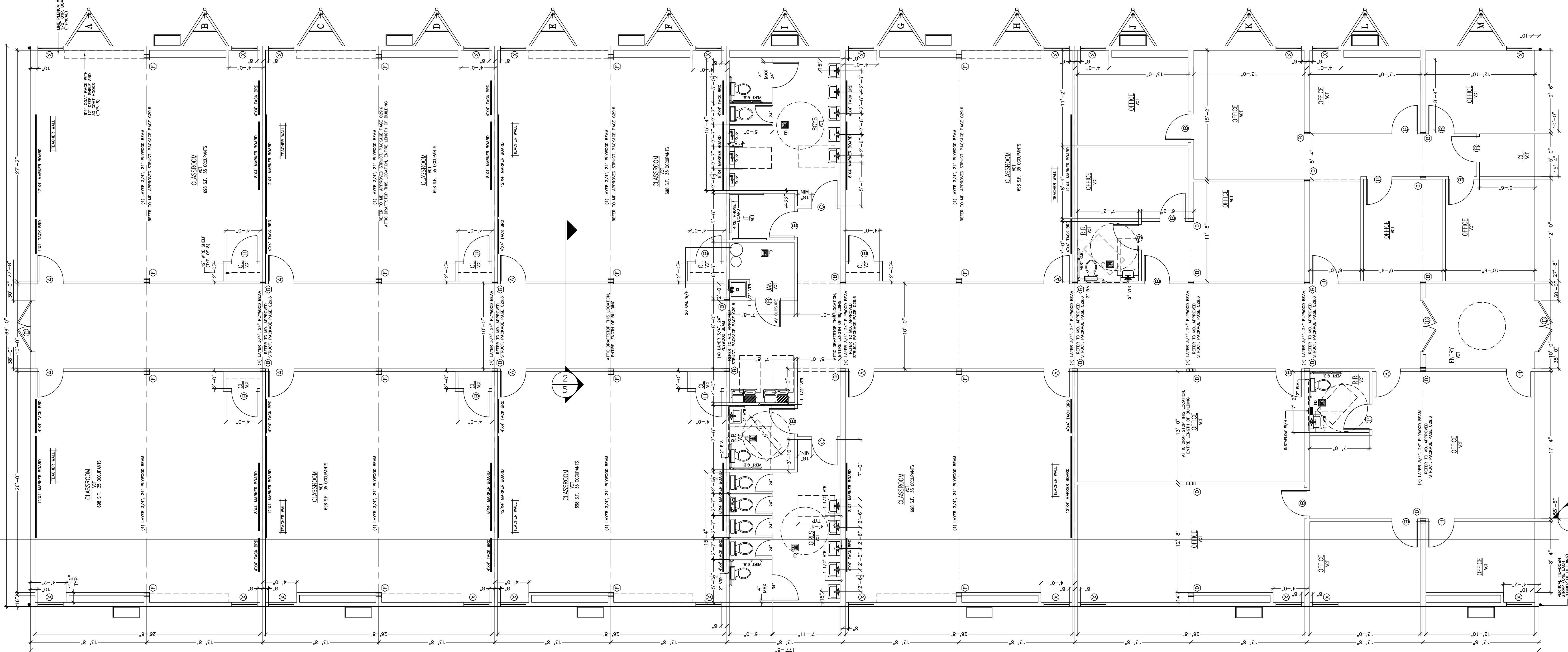
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DRAWING INDEX 1 OF 5 COVER SHEET AND ELEVATIONS 2 OF 5 FLOOR PLAN 3 OF 5 ELECTRICAL 4 OF 5 MECHANICAL 5 OF 5 CROSS SECTION LS-1 LIFE SAFETY AD-1 ACCESSIBILITY DETAILS 1 OF 1 FOUNDATION

Professional seals for Kenneth Earl Dunnon in New Jersey, Maryland, Virginia, South Carolina, North Carolina, and Maryland. Includes a table for CODE SUMMARY with columns for STATE, BUILDING, ELECTRICAL, MECHANICAL, PLUMBING, ACCESSIBILITY, and ENERGY CODE.

DIAMOND BUILDERS INC. P.O. BOX 2200 DOUGLASS, GEORGIA 31534 440 THOMPSON DR. (912) 384-7080 SCALE: 1/16"=2' DATE: NO SCALE STATES: SEE NOTES CODES: MD, SC, VA, NC, NJ, MD. PLAN NO: DBI-9724 A-M BY: K.E.D. REFERENCE: 9724 DBI9724 A-M 177'-8" x 66'-0" EDUCATION COVER SHEET 1 OF 5



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.

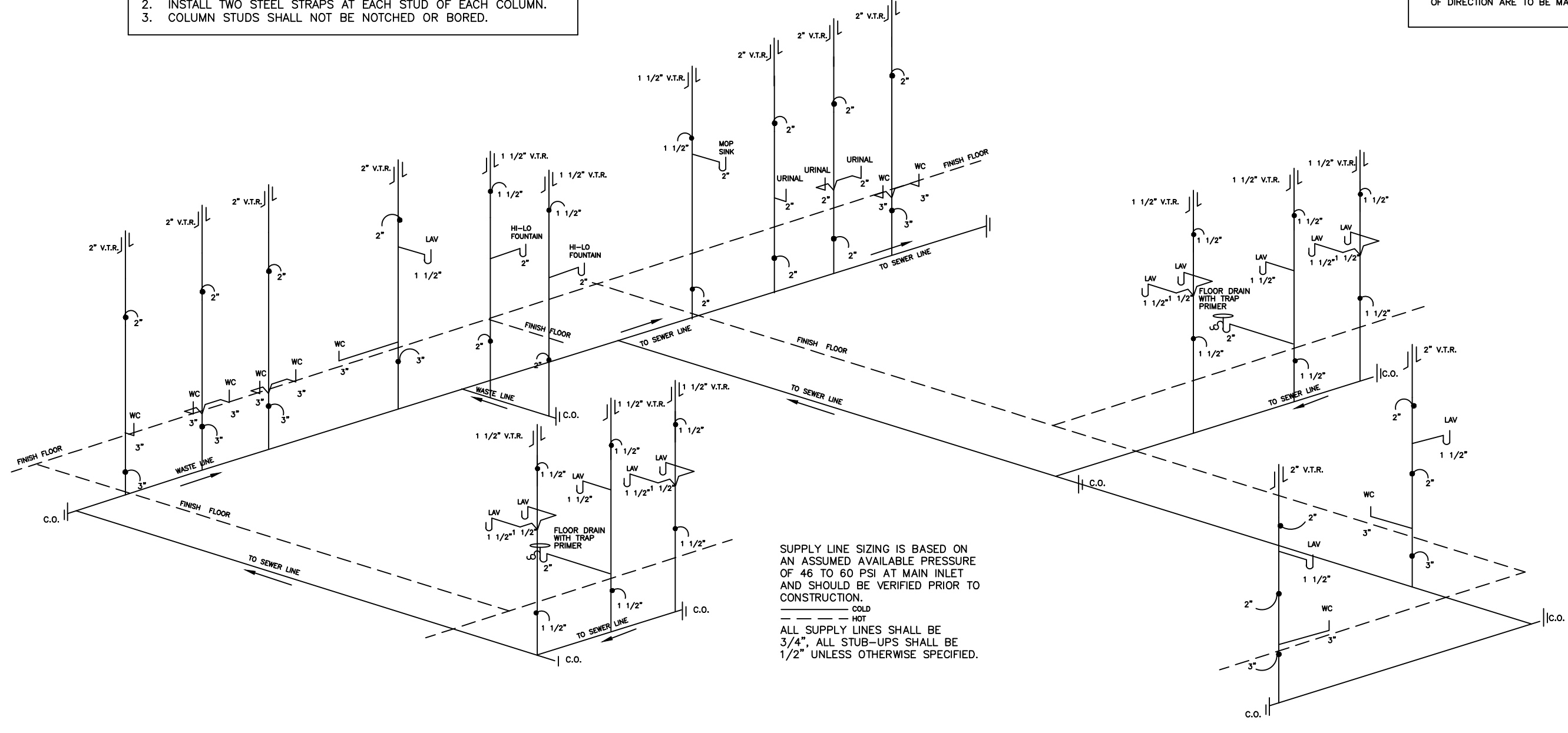
WITH RIDGE BEAM BEARING STIFFENER

NOTES:

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

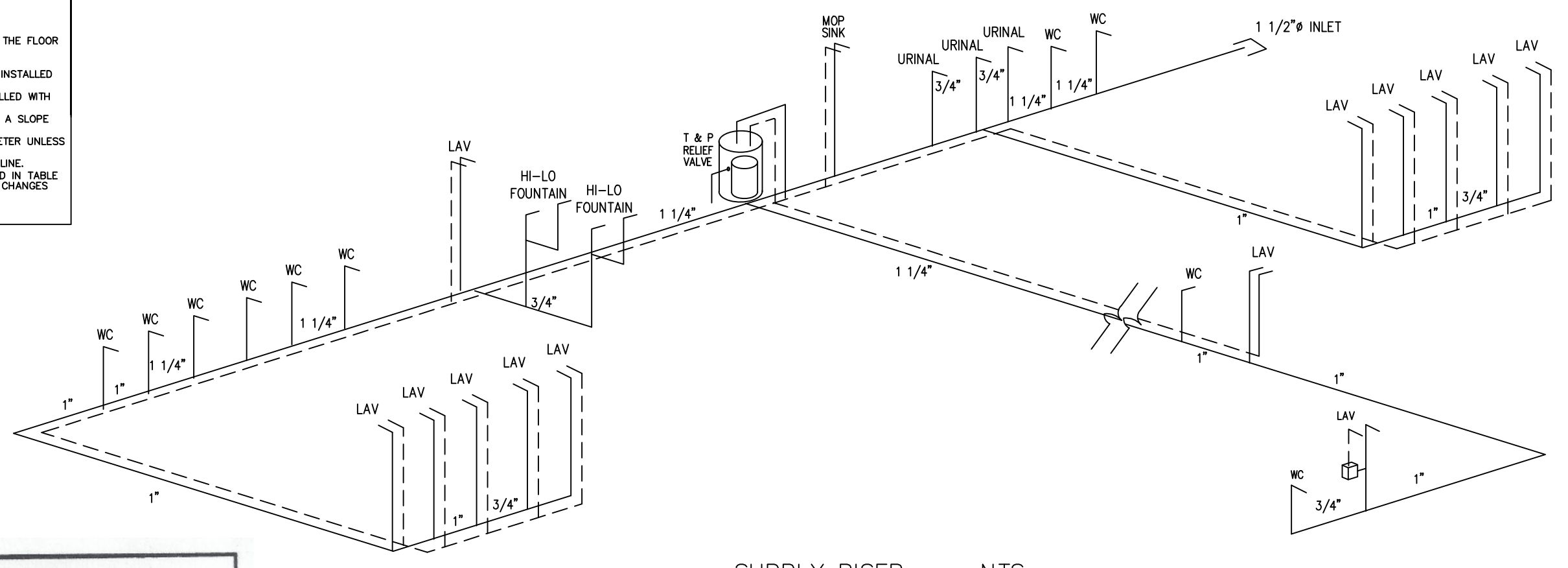
DWV RISER NOTES:

- 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.
- ALL BELOW FLOOR SPRING AND FITTINGS ARE TO BE SUPPLIED AND INSTALLED ON SITE BY OTHERS.
- 1 1/2" INCH AND 2" INCH HORIZONTAL DRAIN LINES SHALL BE INSTALLED WITH A SLOPE OF 1/8" INCH PER FOOT.
- 3" AND 4" INCH HORIZONTAL DRAIN LINES SHALL BE INSTALLED WITH A SLOPE OF 1/8" INCH PER FOOT.
- BELOW FLOOR HORIZONTAL DRAIN LINES ARE 3" INCH MINIMUM DIAMETER UNLESS INDICATED OTHERWISE.
- A MAXIMUM OF 3 WATER CLOSETS MAY DISCHARGE INTO A 3" INCH LINE.
- CHANGES IN DIRECTION SHALL BE MADE WITH FITTINGS AS INDICATED IN TABLE FOR 3" VERTICAL, TO HORIZONTAL AND HORIZONTAL TO HORIZONTAL CHANGES OF DIRECTION ARE TO BE MADE WITH LONG SWEEP FITTINGS.



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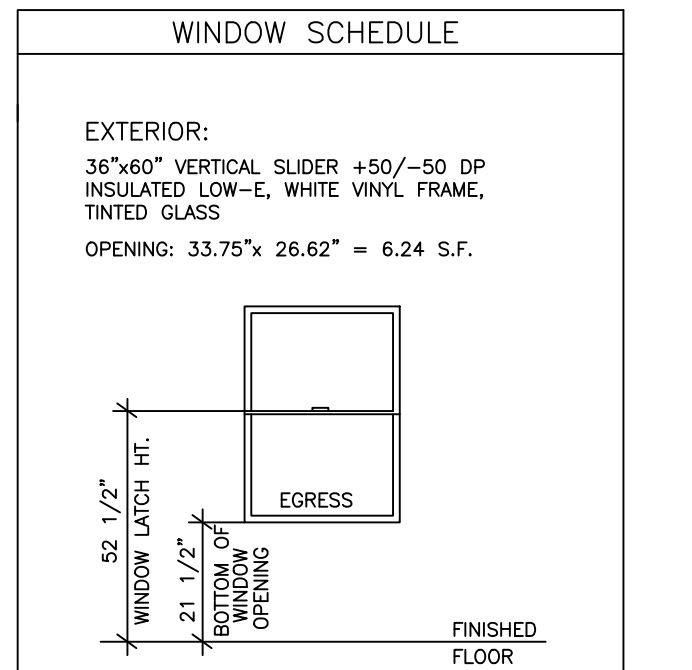


SUPPLY RISER -NTS-

DOOR HARDWARE:

LEVER PRIVACY RESTROOMS	REFER TO MD. APPROVED PRODUCT PACKAGE PAGE C236
LEVER PRIVACY OFFICE DOORS	REFER TO MD. APPROVED PRODUCT PACKAGE PAGE C236
LEVER PRIVACY CLASSROOMS	REFER TO MD. APPROVED PRODUCT PACKAGE PAGE C236

SYMBOL	DOOR SCHEDULE	TOTAL
A	36"x60" SOLID CORE IMPERIAL OAK W/REDFRAME WITH 4"x4" NEW BLOCK SAFETY GLASS	10
B	36"x60" SOLID CORE IMPERIAL OAK W/REDFRAME	26
C	36"x60" SOLID CORE IMPERIAL OAK W/REDFRAME PUSH/PULL WITH LATCH	2
D	72"x96" STEEL SILEX W/47x24" VIEW PANEL WITH PANGC HARDWARE	3
WINDOW SCHEDULE		TOTAL
X	36"x60" VERTICAL SLIDE, INSULATED BRONZE/TINTED	24



DWV RISER NTS

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SOUTH CAROLINA
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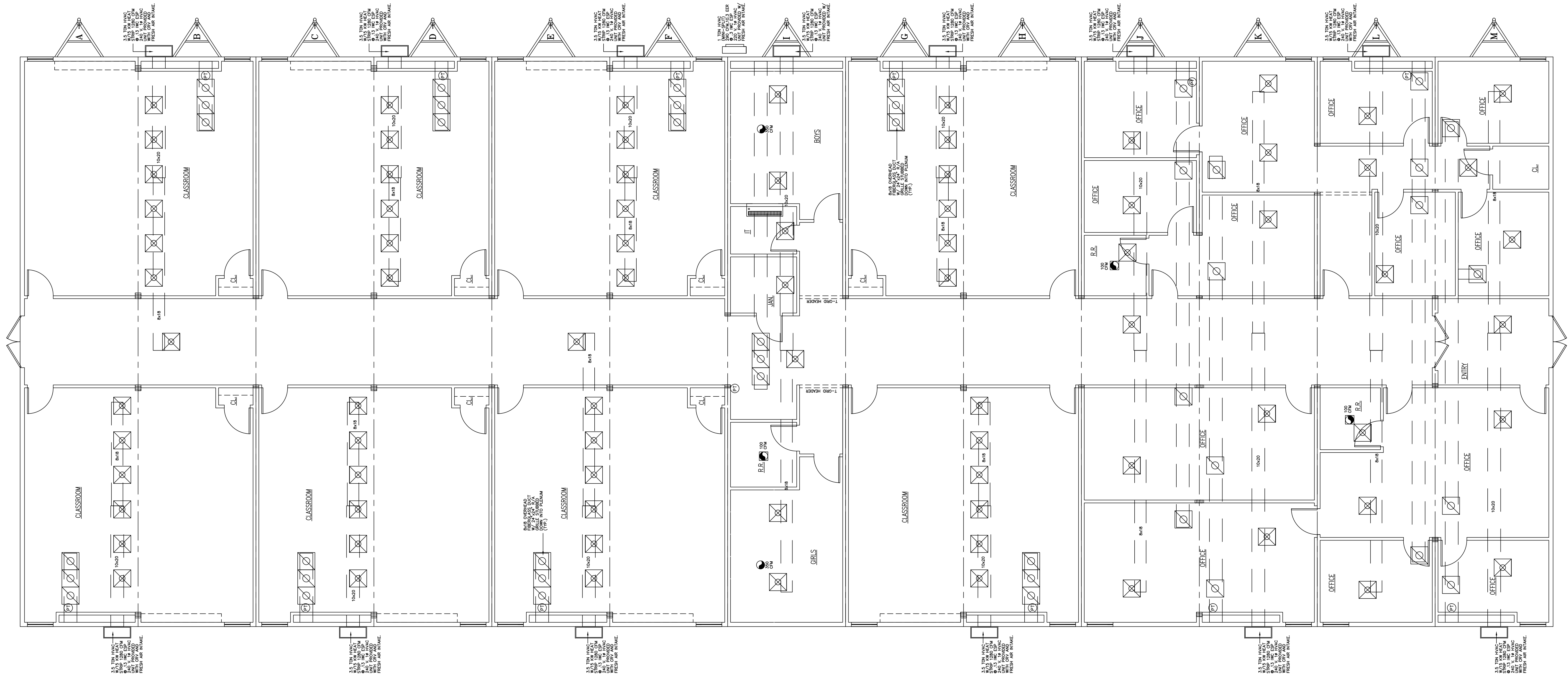
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ENGINEER

STATE OF MARYLAND
KENNETH EARL DUNNOM
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CONSULTING ENGINEER KENNETH EARL DUNNOM - 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: 1-16-22	REVISIONS:
SCALE: 3/16"=1'-0"	
CODES: SEE NOTES	
STATES: MD, SC, VA, NC, NJ	MD. PLAN NO: DBI-9724 MD (2021)
REFERENCE: 9724	DBI-9724 MD (2021)
DBI9724 A-M	BY: K.E.D.
177'-8" x 66'-0" EDUCATION	SHEET
FLOOR PLAN	DESTINATION: HARBORD CO. MD.
	2 OF 5



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

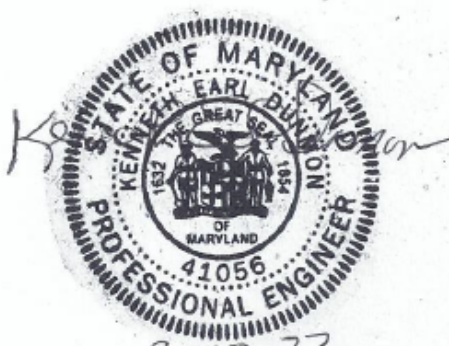
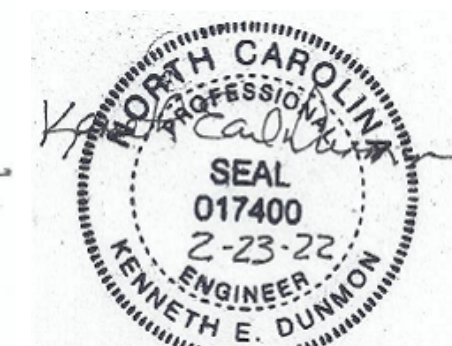
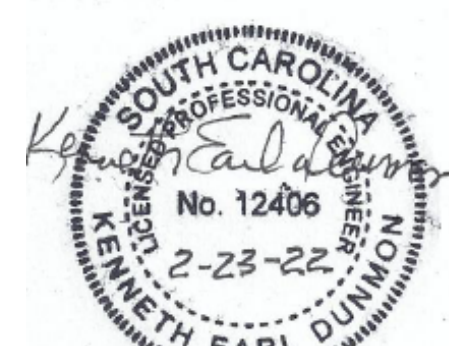
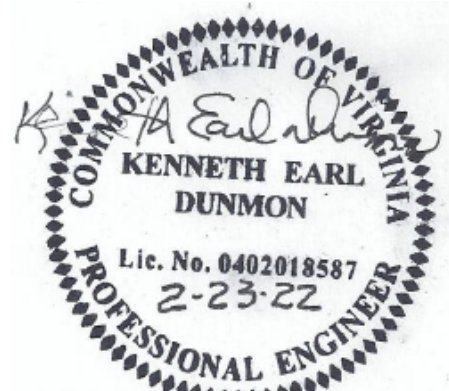
SPRINKLER HEADS THAT COME INTO INSTALLATION PROBLEM DUE TO LIGHTS AND HVAC GRILLES WILL BE MOVED AS LITTLE AS POSSIBLE

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

DATE: 1-16-22
 SCALE: 3/16"=1'-0"
 CODES: SEE NOTES
 STATES: MD, SC, VA, NC, NJ
 REFERENCE: 9724

REVISIONS:

MD. PLAN NO: DBI-9724 MD (2021)
 BY: K.E.D.
 SHEET: 4 OF 5
 DESTINATION: HARTFORD CO, MD

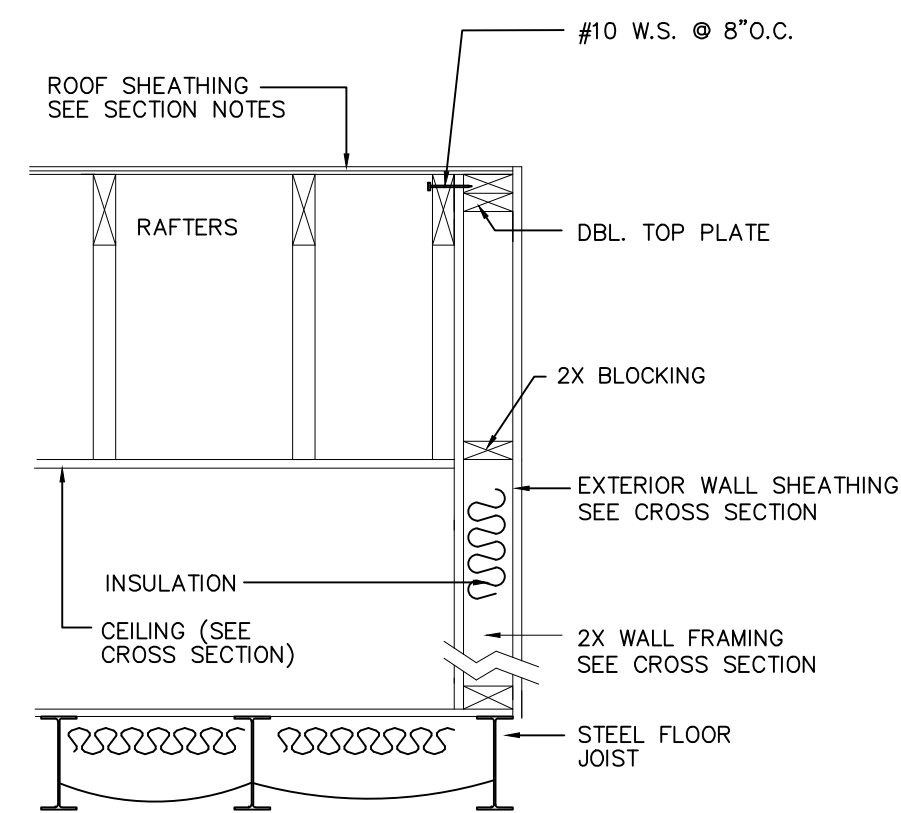
EXTERIOR FINISH MATERIAL:

- ROOF - MULE-HIDE 60 MIL (WHITE) EPDM (ESR-1463) FULLY ADHERED TO 7/16" OSB OR 1/2" PLYWOOD WITH MULE-HIDE FR ADHESIVE IN ACCORDANCE WITH INTERTEK REPORT CORR-1078 (CLASS C ROOF)
- WALL - 7/16" SMART PANEL SIDING OVER APPROVED MOISTURE BARRIER INSTALLED PER MANUFACTURERS SPECIFICATIONS.

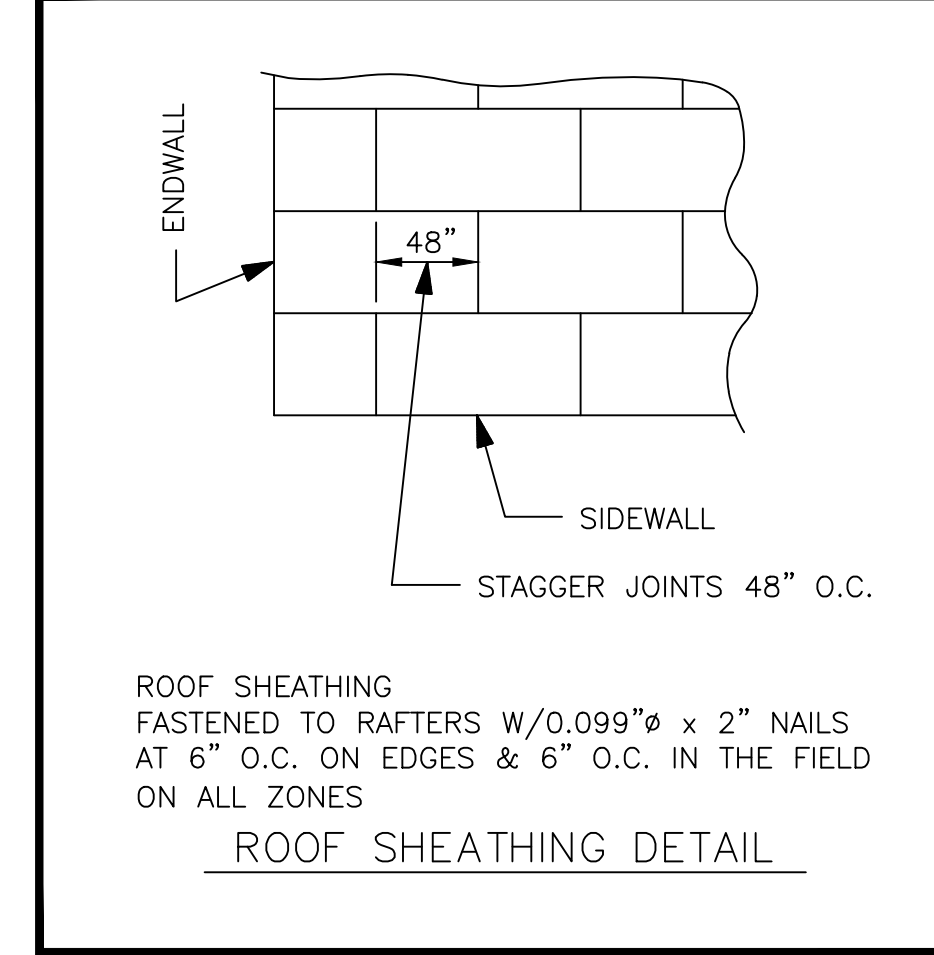
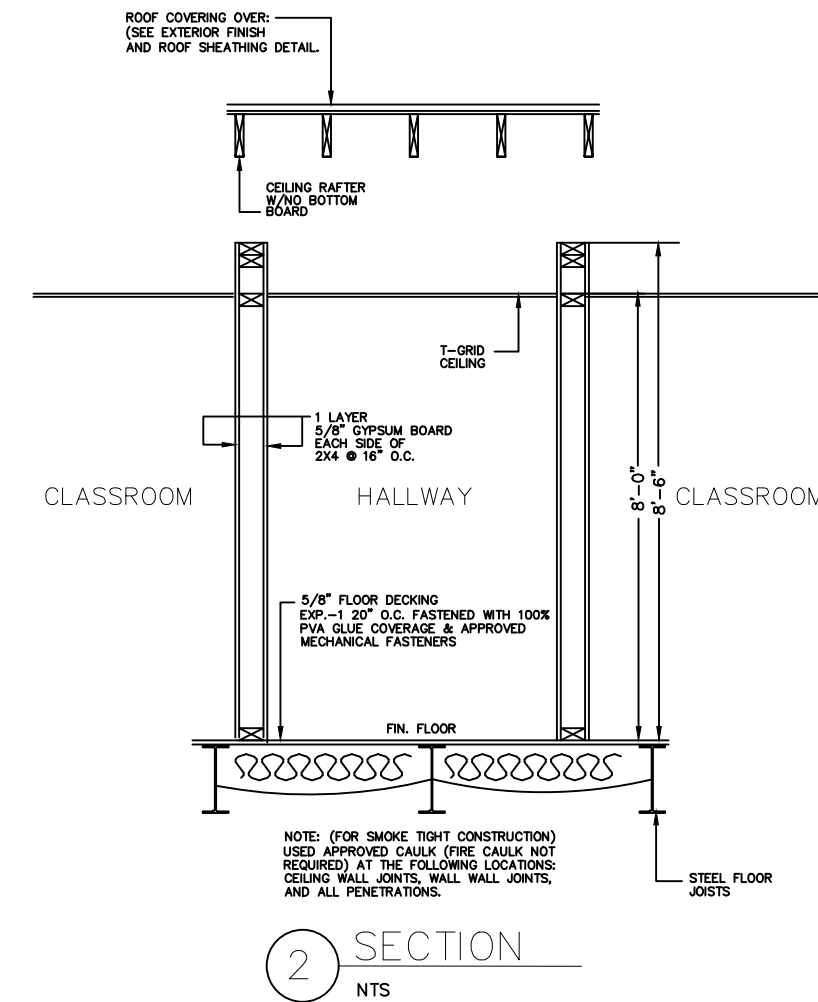
INTERIOR FINISH MATERIAL:

- CEILING - T-GRID CEILING INSTALLED PER MANUFACTURER'S SPECIFICATIONS
- WALL - 5/8" TYPE 'X' GYP. BOARD (VCC THROUGHOUT) INSTALLED PER MANUFACTURERS SPECIFICATIONS
- FLOOR - AS NOTED ON FLOOR PLAN

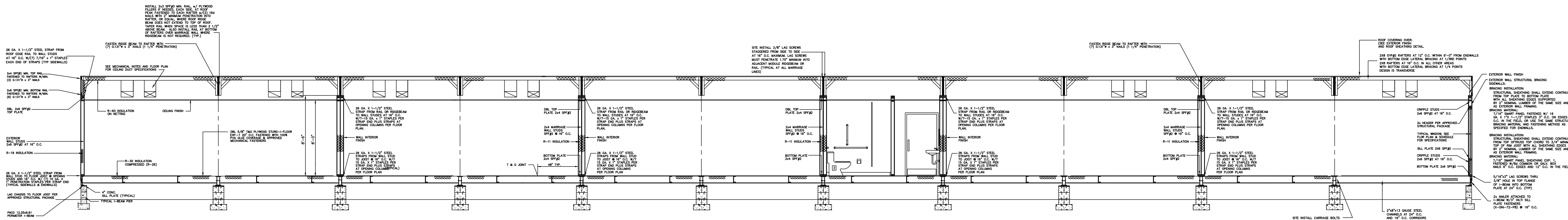
NOTE:
INTERIOR WALL AND CEILING FINISH SHALL BE CLASS B OR BETTER IN CORRIDORS AND CLASS C OR BETTER IN ROOMS AND ENCLOSED SPACES. FLOOR FINISHES SHALL BE CLASS II OR BETTER.



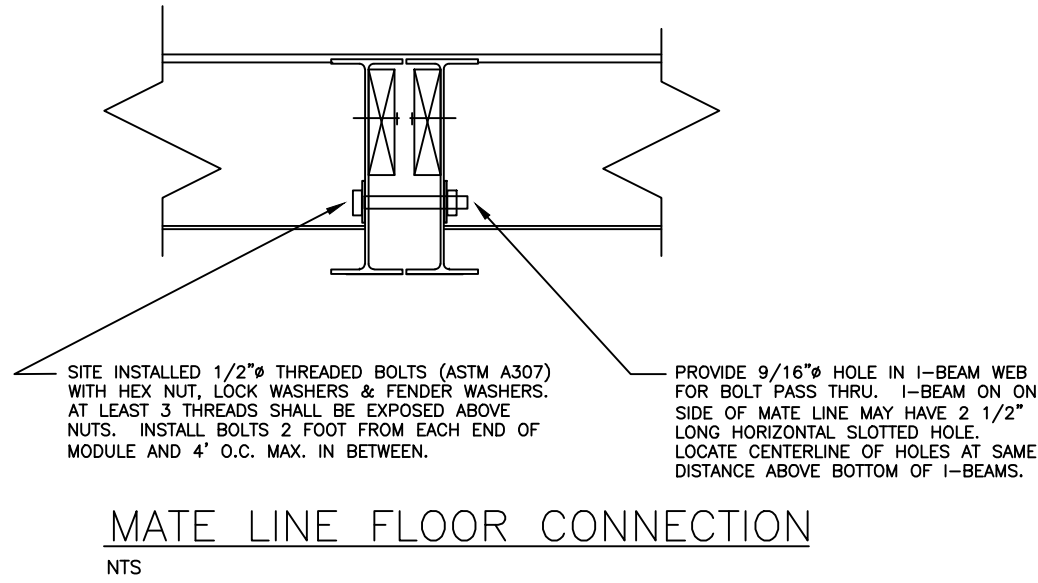
BALLOON END WALL DETAIL



SEE DBI DESIGN PACKAGE PAGES FOR DIAGONAL BRACING AND ROOF JOIST GUSSET DETAILS.
C36.0-36.3 (2018 IBC)
C34.0-34.3 (2015 IBC)



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



MATE LINE FLOOR CONNECTION

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RIDGE BEAM CONSTRUCTION:
(SEE FLOOR PLAN) 3/4" PLYWOOD, RATED SHEATHING, EXP.-1, STRUCT.-1, 5 PLY/S 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/ PS 1-85.
- PLYWOOD LAMINATIONS IN EACH HALF OF THE UNITS MUST BE GLUE NAILED TO ADJACENT LAYERS IN ACCORDANCE W/ PPS SUPPLEMENT #5, W/ AN ADHESIVE COMPLYING W/ ASTM D2559 (SEE APPROVED PACKAGE FOR MECHANICAL FASTENER SPECIFICATIONS & SPACING REQUIREMENTS. 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" SFF#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.

GENERAL CROSS-SECTION NOTES:

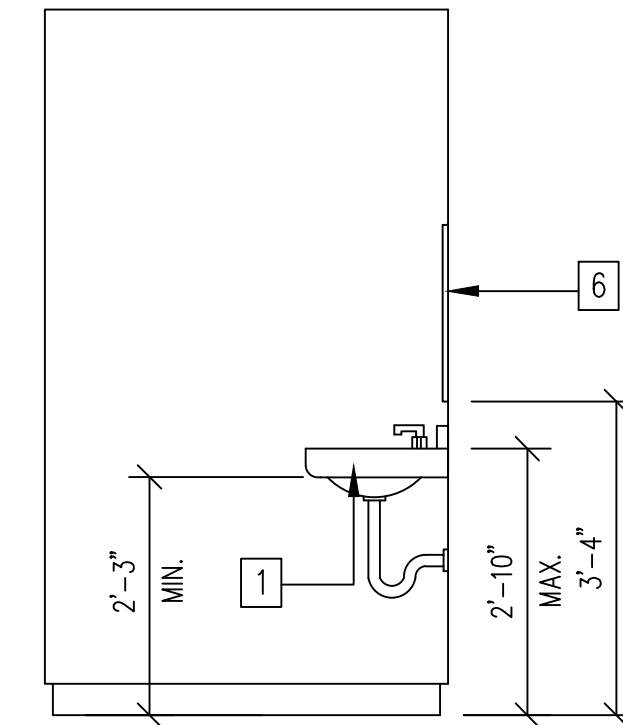
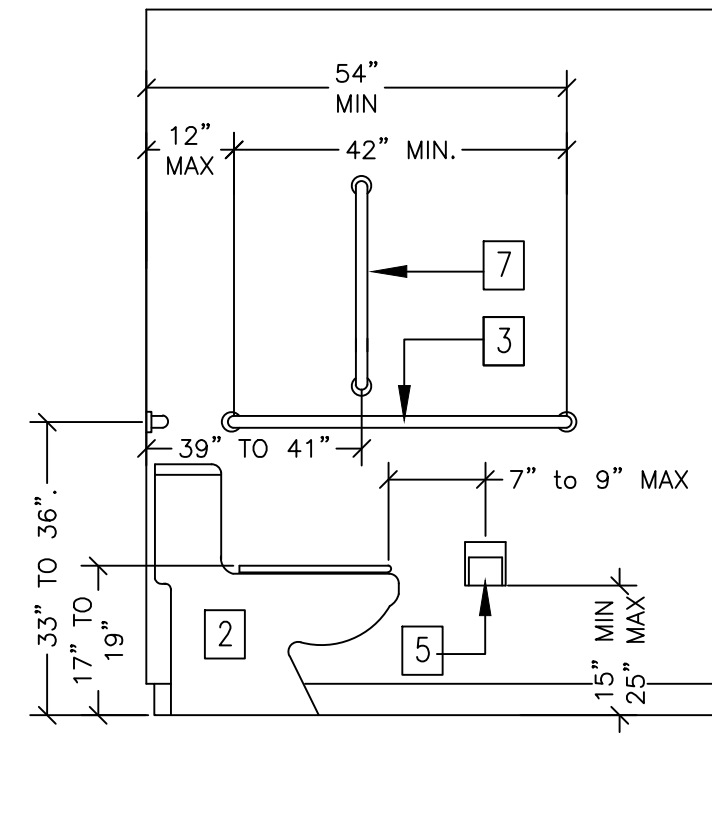
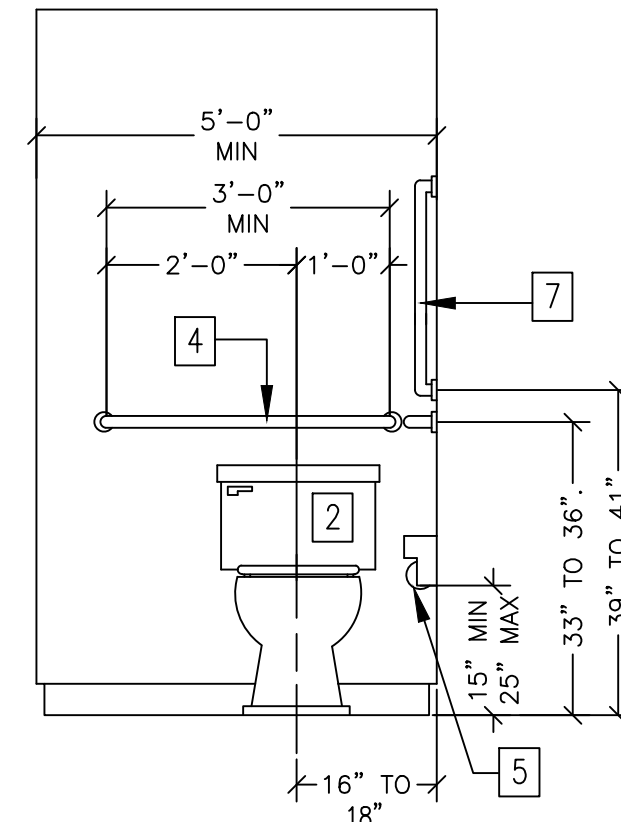
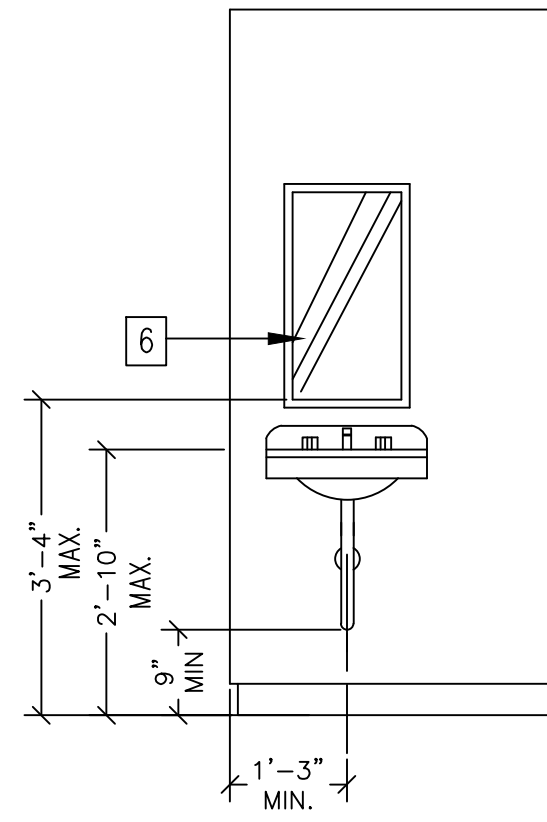
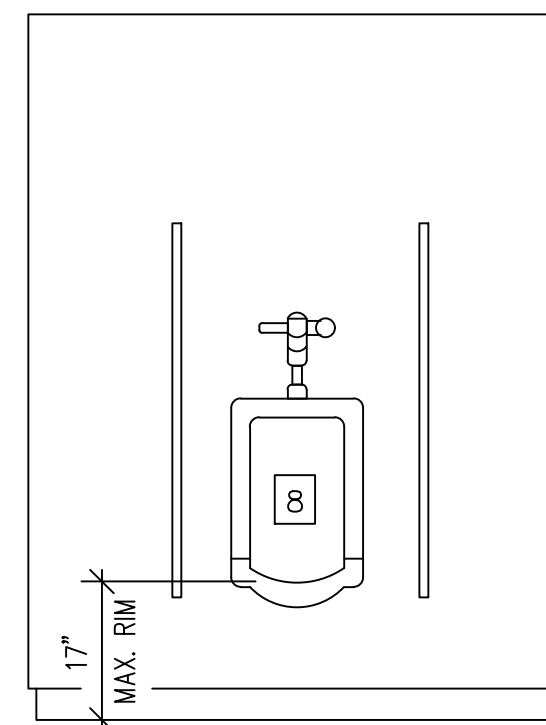
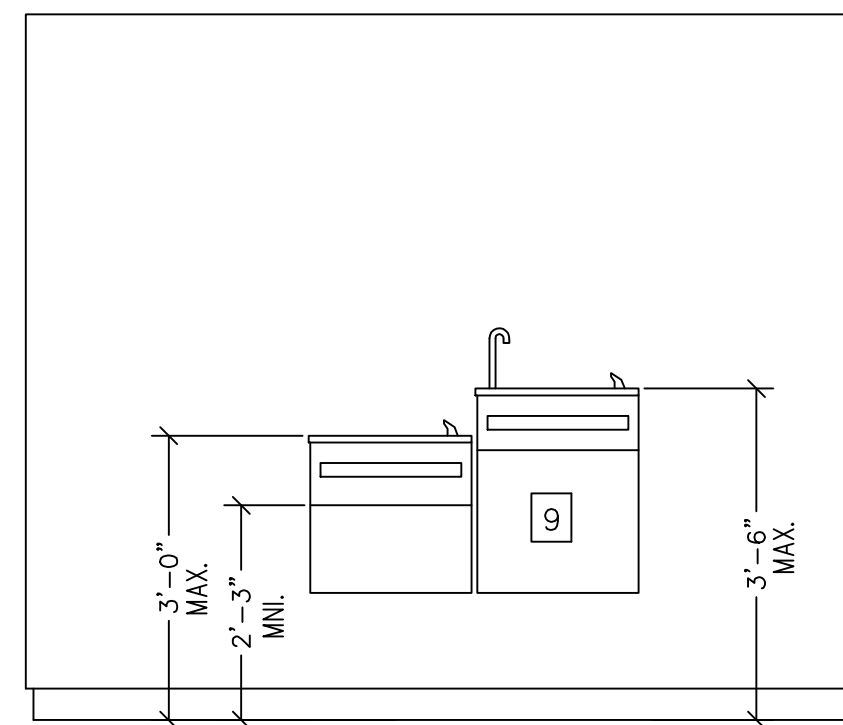
- UNLESS OTHERWISE SPECIFIED, ALL STEEL MUST COMPLY W/ ASTM A36, YIELD STRENGTH = 36 KSI.
- ALL LAG SCREWS MUST COMPLY W/ ANSI/ ASME B18.2.1. Fy= 60 KSI MINIMUM.
- SEE FOUNDATION PLAN FOR PIER AND TIE-DOWN STRAPPING LOCATIONS, ORIENTATIONS, AND SPECIFICATIONS.

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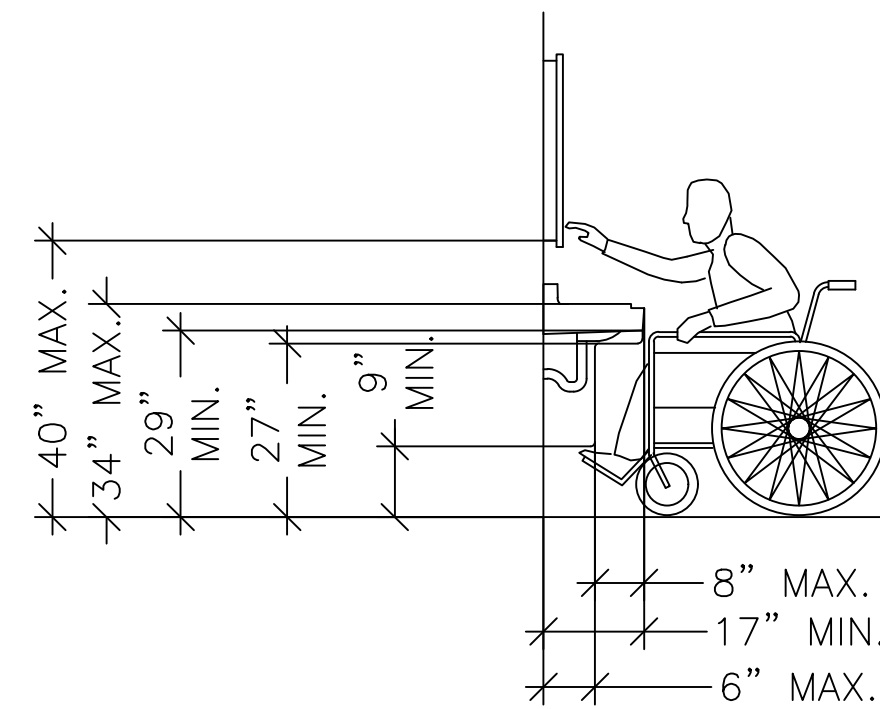
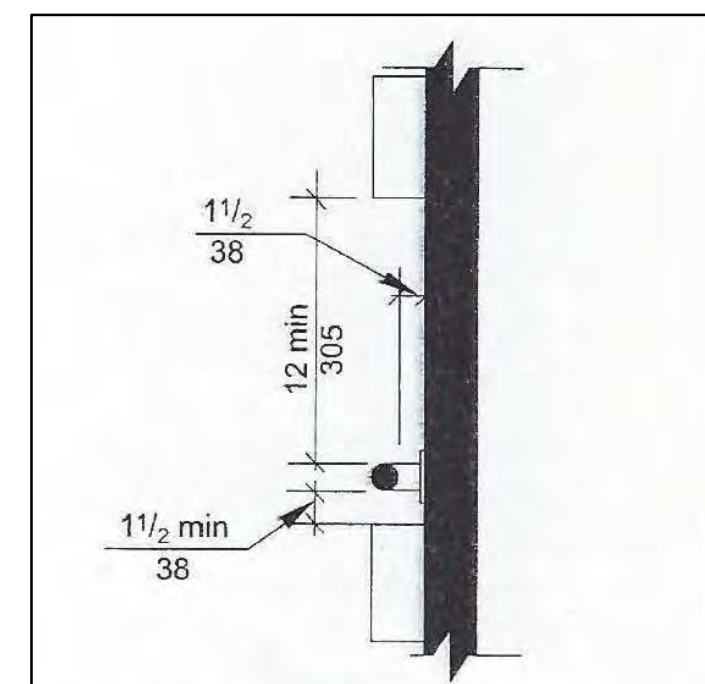
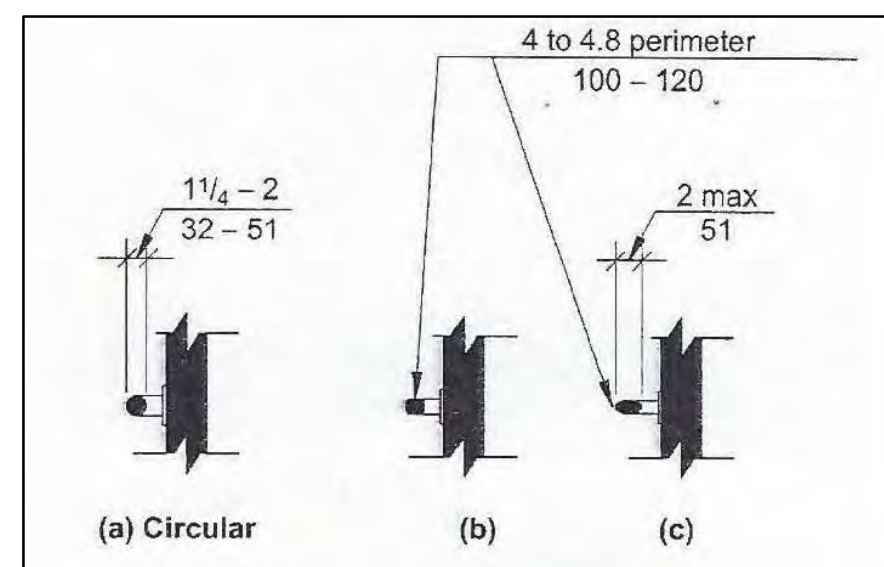
DIAMOND BUILDERS INC. P.O. BOX 2200 DOUGLASS, GEORGIA 31534		440 THOMPSON DR. (912) 384-7080	
DATE: 1-16-22	REVISIONS:	MD. PLAN NO:	BY: K.E.D.
SCALE: NO SCALE		DBI-9724 MD (2021)	
CODES: SEE NOTES		177'-8" x 66'-0" EDUCATION	SHEET
STATES: MD, SC, VA, NC, NJ, MD		CROSS SECTION	DESTINATION: HARFORD CO, MD.
REFERENCE: 9724			5 OF 5



- 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
 - 7 18" VERT GRAB BAR
 - 8 URINAL
 - 9 HI-LO FOUNTAIN

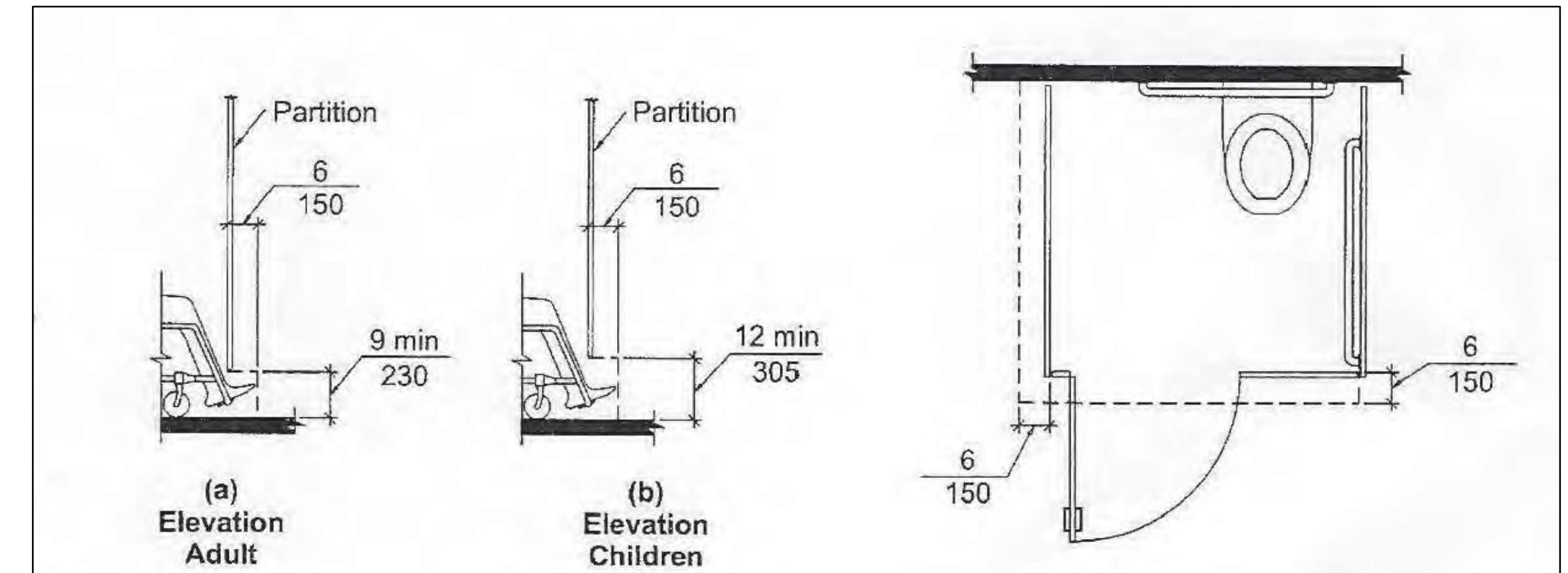
TYP. INTERIOR ELEVATIONS

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



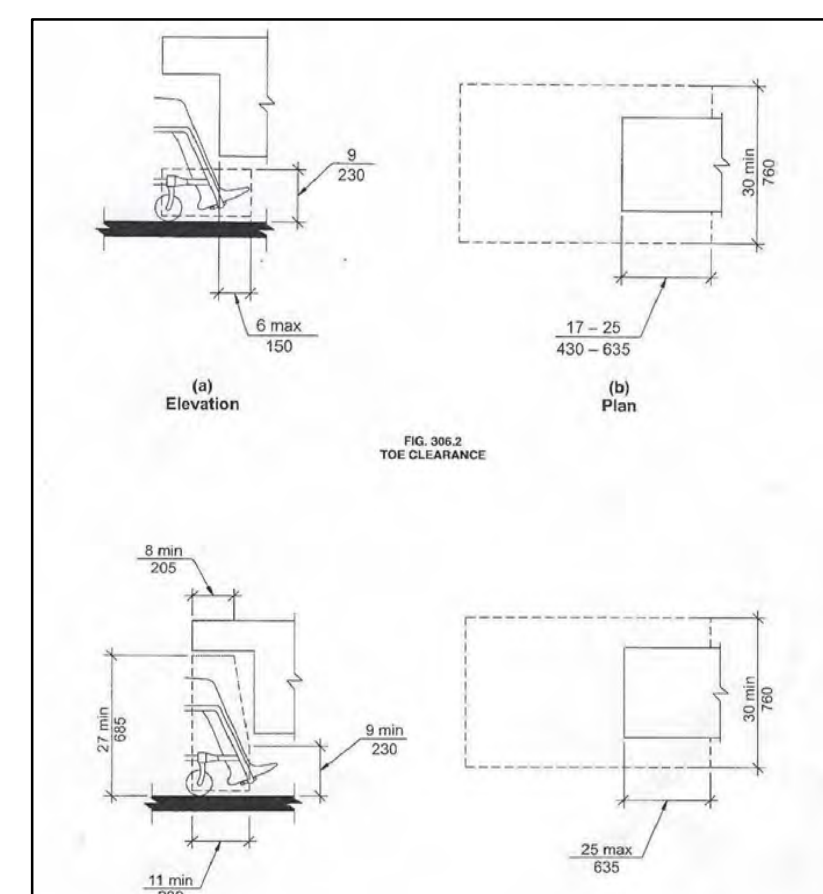
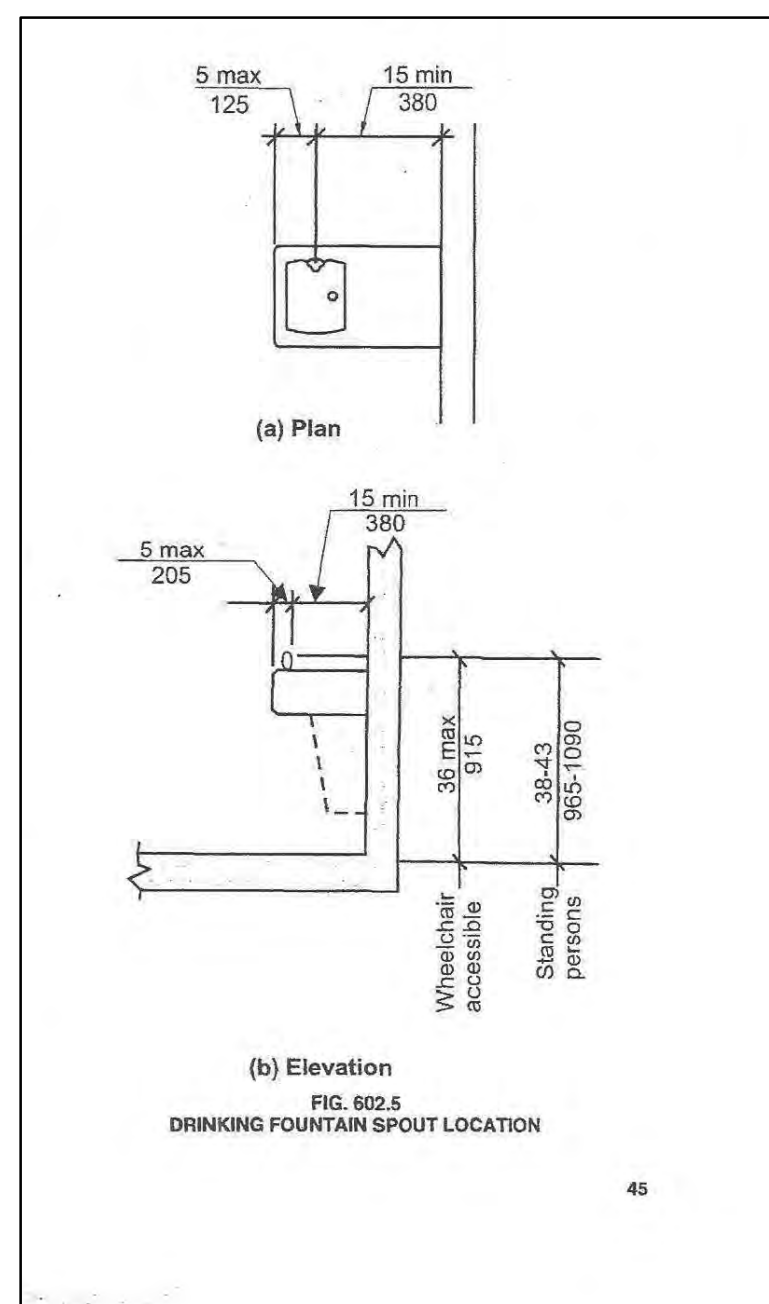
ADA ACCESSIBLE SINK ELEVATION

GRAB BAR DETAIL



TYP. TOE CLEARANCE

TOILET AND STALL



TYP. DRINKING FOUNT. ELEVATIONS

HEIGHTS AND CLEARANCES

THESE DETAILS ARE BASED ON 2010 ADA REQUIREMENTS

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

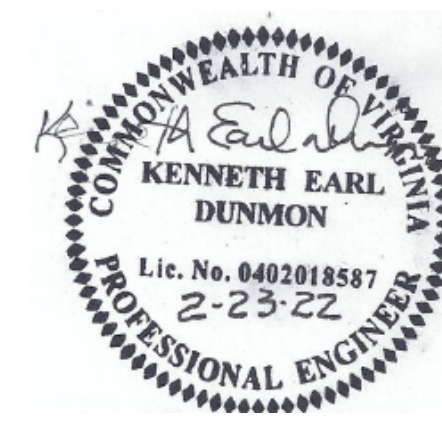
ALL IDEAS, DESIGNS, ARRANGEMENTS, DRAWINGS AND PLANS SET FORTH ON THIS SHEET ARE THE ORIGINAL WORK PRODUCT OF, ARE OWNED BY AND ARE THE PROPERTY OF DESIGNER/DRAFTER OF RECORD (FINE LINE DRAFTING) AND USE OF THIS SAID WORK PRODUCT IS LIMITED TO A SPECIFIED PROJECT OF THE PURCHASER, AND FOR THE CONSTRUCTION OF ONE BUILDING. ANY USE, REUSE, DISCLOSURE, COPYING, OR ADAPTATION OF SAID PLANS REPRODUCTION, IDEAS, DESIGNS AND/OR ARRANGEMENTS, OTHER THAN BY DESIGNER/DRAFTER OF RECORD (FINE LINE DRAFTING) IS STRICTLY PROHIBITED BY LAW WITHOUT THE WRITTEN PERMISSION OF THE SAID DESIGNER/DRAFTERS. (FINE LINE DRAFTING)

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EMC APPROVED
02 24 2022

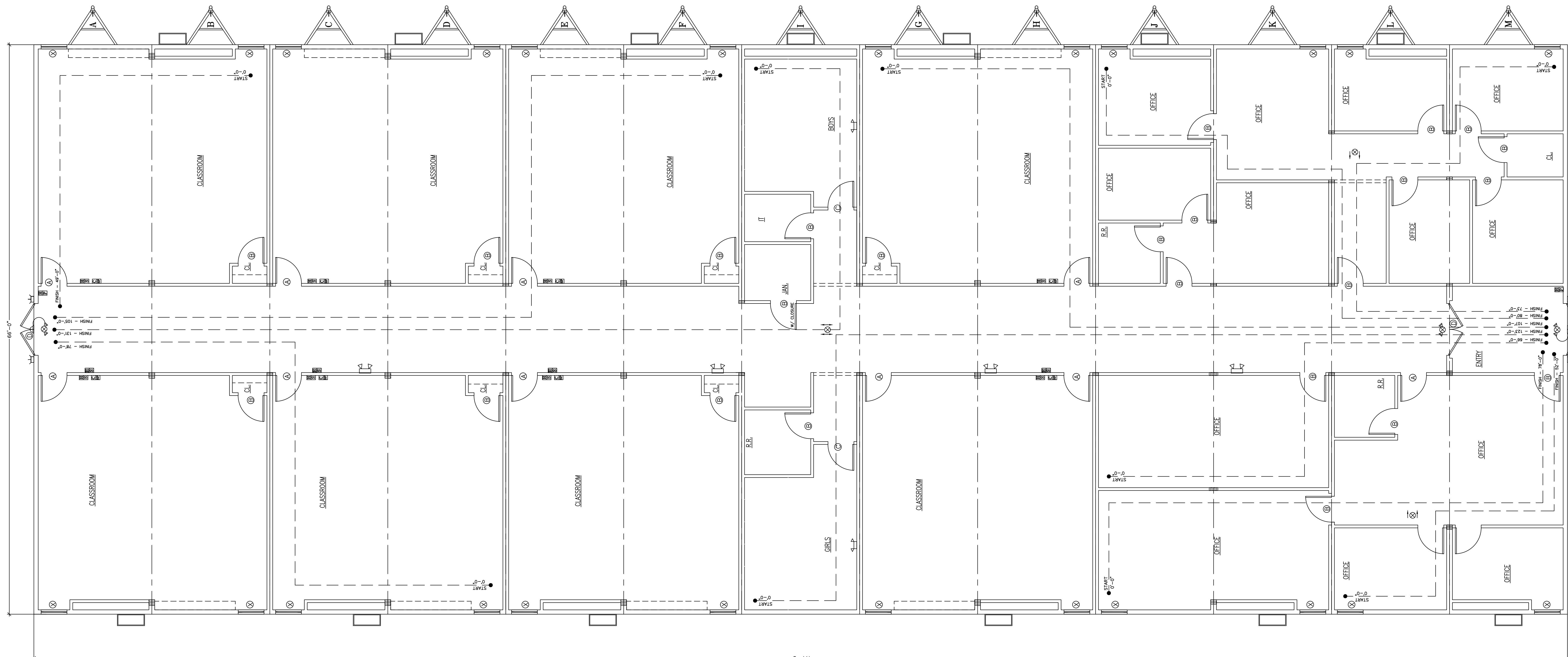
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SCALE: NTS
CODES: SEE NOTES
STATES: MD, SC, VA, NC, NJ. MD. PLAN NO: DBI-9724 MD (2021) BY: K.E.D.
REFERENCE: 9724 DBI-9724 MD (2021) SHEET
DBI9724 A-M 177'-8" x 66'-0" EDUCATION AD-1
ACCESSIBILITY DETAILS DESTINATION: HARFORD CO, MD.



LIFE SAFETY PARAMETERS	
1. USE/OCCUPANCY:	EDUCATION
2. BUILDING AREA:	11726 S.F.
OCCUPANT LOAD 317 BASED ON 20 SF/PERSON IN CLASSROOMS AND 100 SF/PERSON ELSEWHERE	
3. OCCUPANT LOAD 305 BASED ON 20 SF/PERSON IN CLASSROOMS AND 150 SF/PERSON ELSEWHERE (2018 IBC)	

NOTE:
EACH EXIT DOOR IS ABLE TO ACCOMMODATE:
(2) 72x80 DOOR: 64" CLEAR WIDTH EACH
64/0.20 = 320 PERSON CAPACITY EACH
(2) AT 320 = 640 PERSON CAPACITY

NOTE:
MAXIMUM TRAVEL DISTANCE SHALL NOT EXCEED 200 FEET

Professional Certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland.
License No. 41056 Expiration Date: 10-17-23

DOOR HARDWARE:	
A	LEVER PRIVACY: RESTROOMS
B	KEYED LEVER LOCKSET (EXTERIOR DOORS)
X	LEVER PASSAGE: OFFICES AND CLASSROOMS

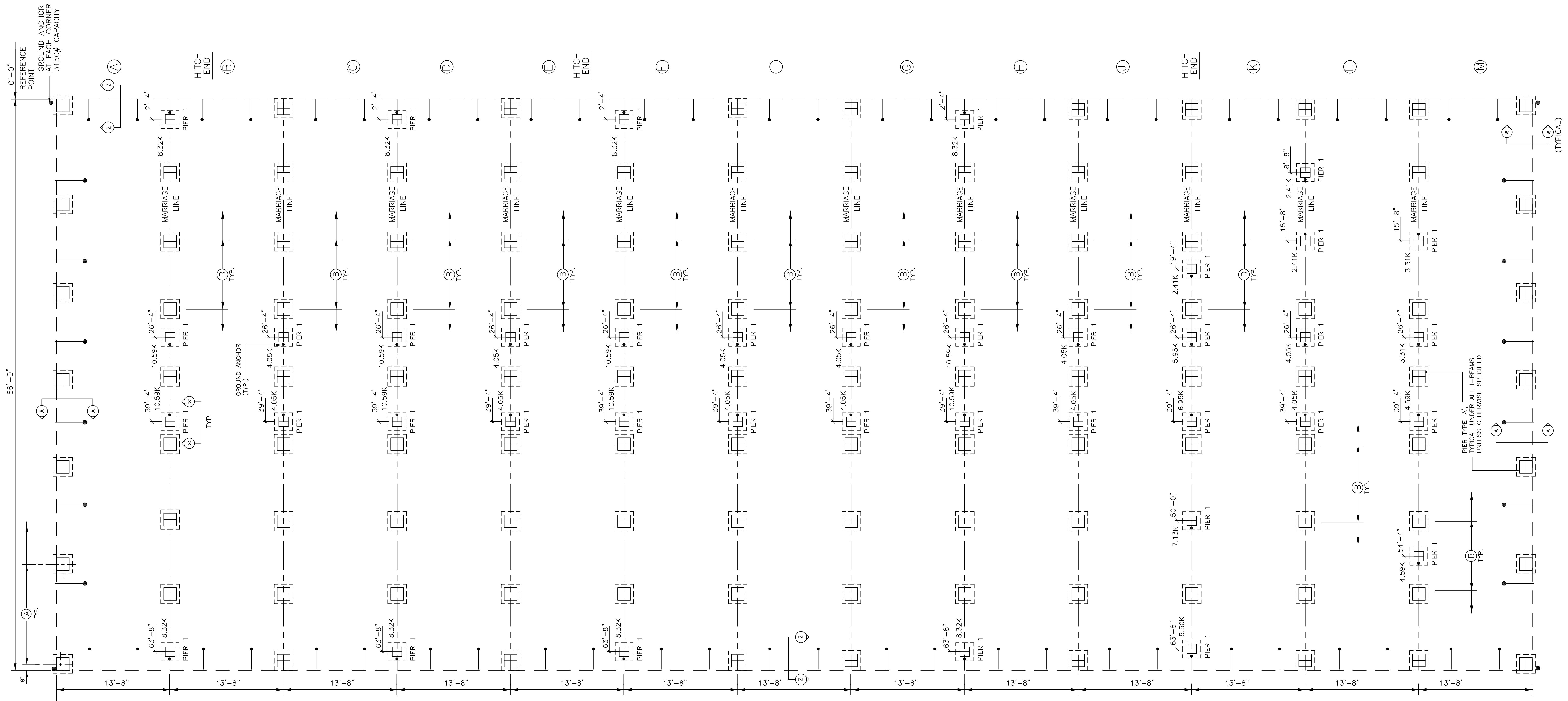
SYMBOL	DOOR SCHEDULE	TOTAL
A	36"x80" SOLID CORE IMPERIAL OAK W/REDFRAME WITH 4"x24" VIEW BLOCK, SAFETY GLASS	10
B	36"x80" SOLID CORE IMPERIAL OAK W/REDFRAME PUSH/PULL WITH LATCH	26
C	36"x80" SOLID CORE IMPERIAL OAK W/REDFRAME	2
D	72"x80" STEEL/STEEL W/4"x24" VIEW PANEL WITH PANIC HARDWARE	3
SYMBOL	WINDOW SCHEDULE	TOTAL
X	36"x80" VERTICAL SLIDE, INSULATED BRONZE/TINTED	24

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 440 THOMPSON DR. DOUGLASS, GEORGIA 31534 (912) 384-7080	
DATE: 1-16-22	REVISIONS:
SCALE: 3/16"=1'-0"	
CODES: SEE NOTES	
STATES: MD, SC, VA, NC, N.J.	MD. PLAN NO:
REFERENCE: 9724	DBI-9724 MD (2021)
DBI9724 A-M	
177'-8" x 66'-0" EDUCATION	
LIFE SAFETY	HARFORD CO, MD.
BY: K.E.D.	SHEET
	LS-1



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

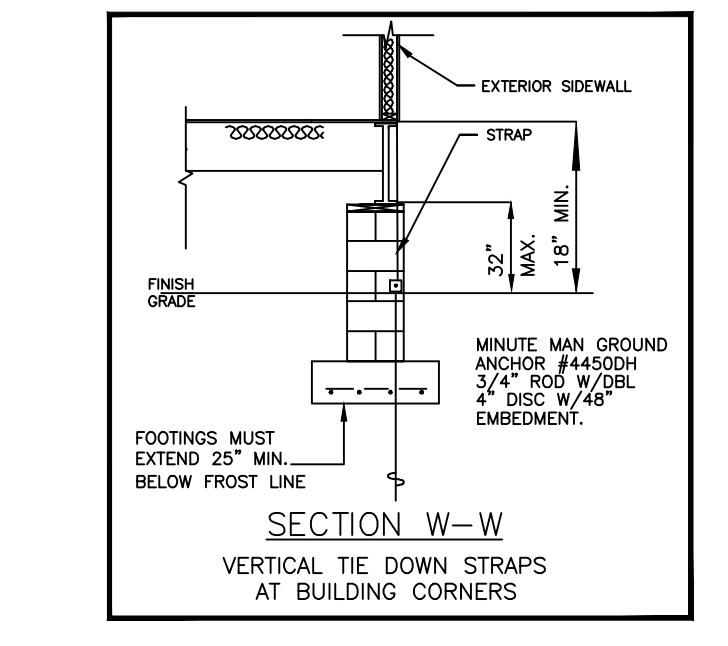
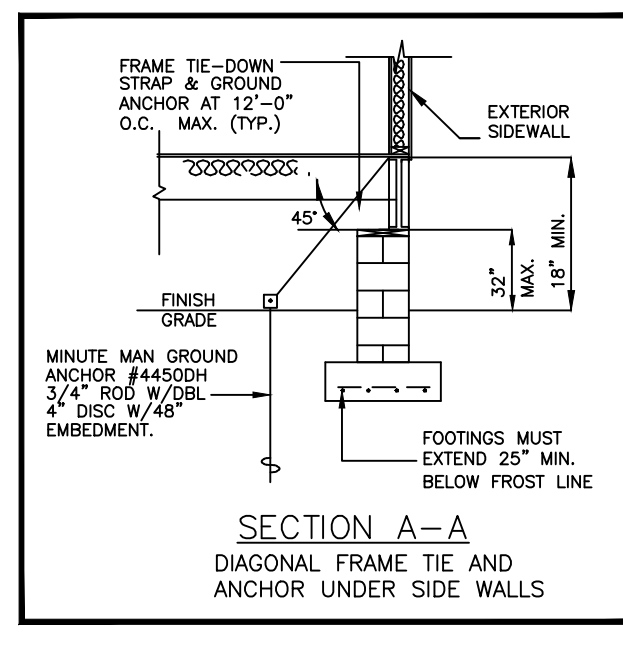
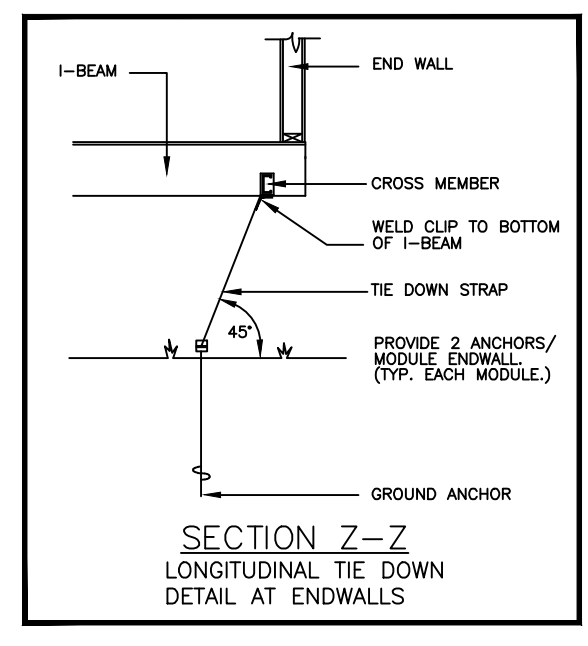
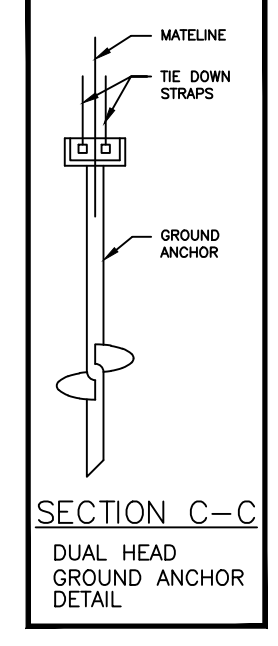
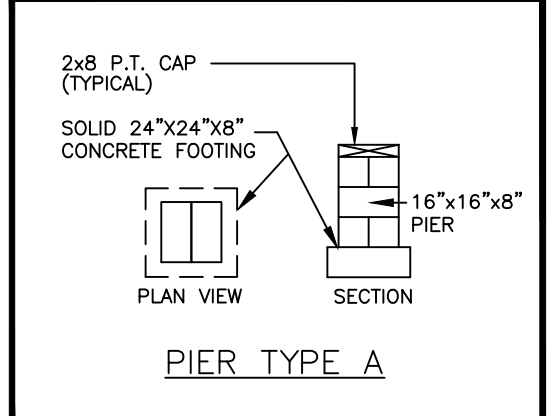
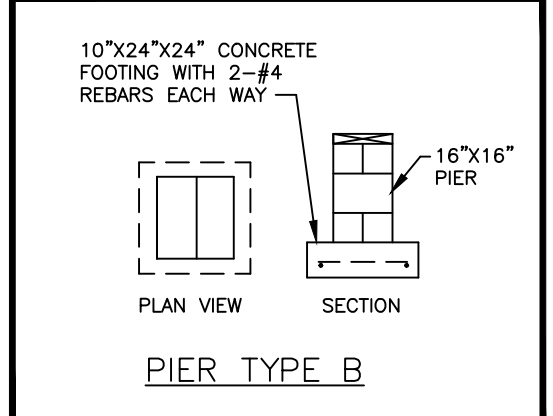
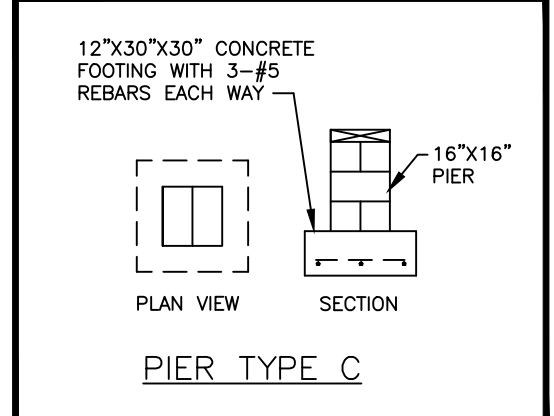
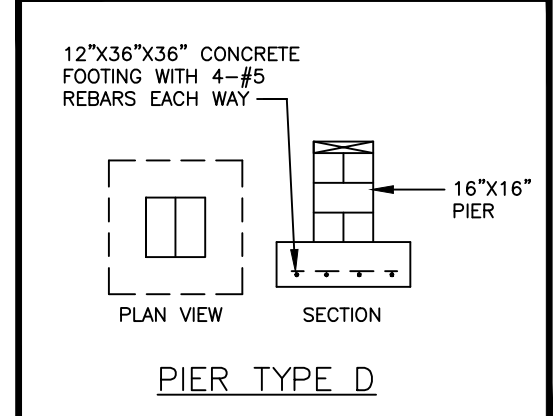
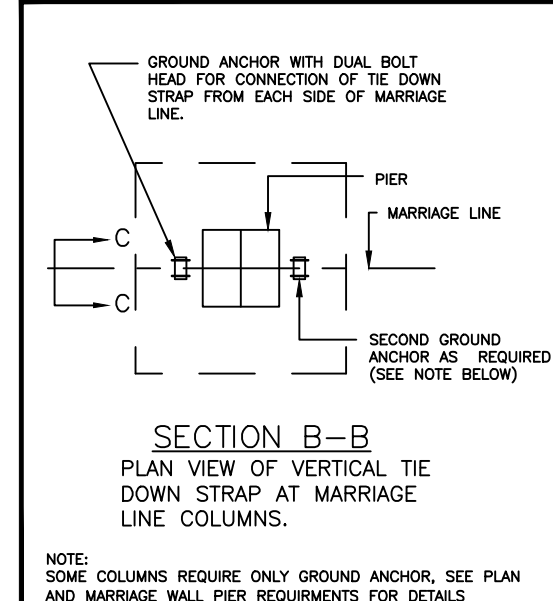
FOUNDATION ENCLOSURE
(WHEN PROVIDED) MUST HAVE
1 SQUARE FOOT NET VENT AREA
PER 1/150TH OF THE FLOOR AREA,
AND AN 18" X 24" MINIMUM CRAWL
SPACE ACCESS, SITE INSTALLED BY
OTHERS SUBJECT TO LOCAL
JURISDICTION.

NOTICE TO FOUNDATION CONTRACTOR:
ALL DIMENSIONS, DETAILS AND NOTES ON THIS FOUNDATION PLAN MUST BE REVIEWED AND VERIFIED BY THE FOUNDATION CONTRACTOR PRIOR TO COMMENCEMENT OF CONSTRUCTION OF THE FOUNDATION. ANY APPARENT CONFLICTS, ERRORS OR OMISSIONS MUST BE BROUGHT TO THE ATTENTION OF THE DESIGN PROFESSIONAL FOR RESOLUTION PRIOR TO PROCEEDING WITH CONSTRUCTION. THE CONTRACTOR MUST OBTAIN APPROVAL OF THE FOUNDATION PLAN FROM THE LOCAL BUILDING DEPARTMENT PRIOR TO COMMENCING CONSTRUCTION AND MUST COMPLY WITH ALL STATE AND LOCAL CODE, APPROVAL AND INSPECTION REQUIREMENTS. EMC IS NOT THE DESIGNER OF THE BUILDING OR THE FOUNDATION AND IS NOT RESPONSIBLE OR LIABLE FOR ANY CONFLICTS, ERRORS, OMISSIONS OR FAILURES TO COMPLY WITH STATE OR LOCAL CODES.

Professional Certification: I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland.
License No. 41056, Expiration Date: 8-17-23

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

- FOUNDATION NOTES:**
- ALL FOUNDATION CONSTRUCTION, MATERIALS, AND INSTALLATION SHALL BE IN ACCORDANCE WITH ALL APPLICABLE STATE AND LOCAL CODES.
 - 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.
 - GROUND ANCHORS SHALL HAVE 3150# MINIMUM WORKING CAPACITY, AND SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS. DESIGN OF GROUND ANCHORS, INCLUDING BUT NOT LIMITED TO, NUMBER AND DIAMETER OF RELIEFS, 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 VALUES SPECIFIED ABOVE, THE ARCHITECT/ENGINEER MUST BE CONSULTED FOR AN ALTERNATE ANCHORING DESIGN.
 - THE FIRST TIE-DOWN STRAP FROM ENDWALLS SHALL NOT EXCEED 1/2 THE MAXIMUM SPACING INDICATED.
 - 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.
 - MINIMUM CONCRETE FOOTING COMPRESSIVE STRENGTH 2,500 PSI AT 28 DAYS.
 - 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.
 - SEE SHEET 1 OF 5 FOR BUILDING DESIGN LOADS.
 - 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.
 - 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.
 - 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 OPERABILITY AFTER INSTALLATION OF BUILDING IS COMPLETE.
 - THE AREA UNDER FOOTINGS AND FOUNDATIONS SHALL HAVE ALL VEGETATION, STUMPS, ROOTS, AND FOREIGN MATERIALS REMOVED PRIOR TO THEIR CONSTRUCTION.
 - THE FOUNDATION DIMENSIONS SHOWN ARE NOMINAL. AN INCREASE IN MODULE WIDTH SHOULD BE EXPECTED DUE TO MODULE EXPANSION, SETTING TOLERANCES, ETC. THE FOUNDATION CONTRACTOR SHOULD CONSULT WITH THE MANUFACTURER OF THE MODULES PRIOR TO CONSTRUCTION OF THE FOUNDATION TO DETERMINE THE AMOUNT OF INCREASED WIDTH TO BE ADDED TO THE NOMINAL DIMENSIONS SHOWN ABOVE.

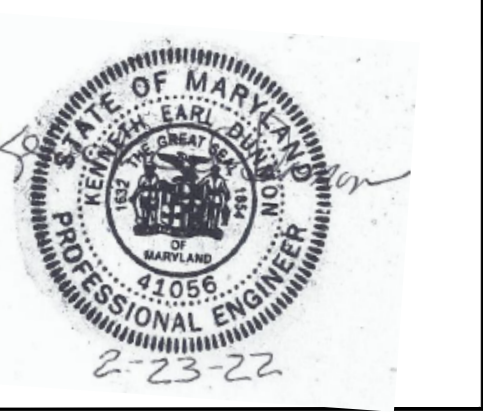
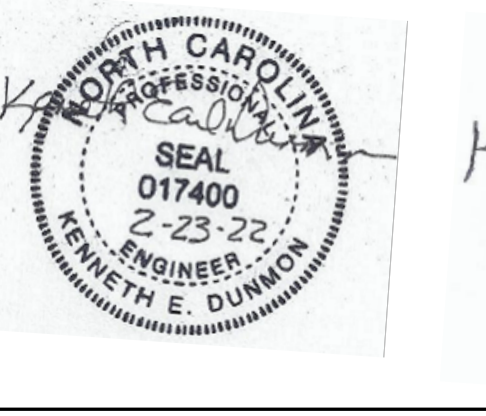
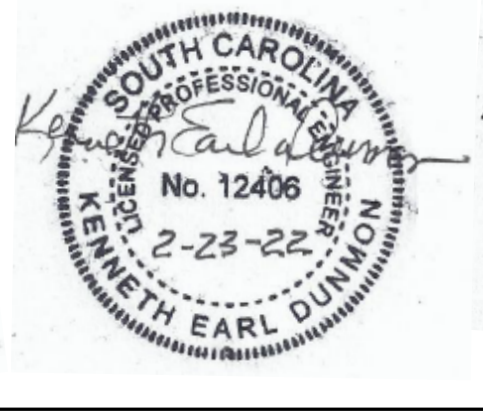
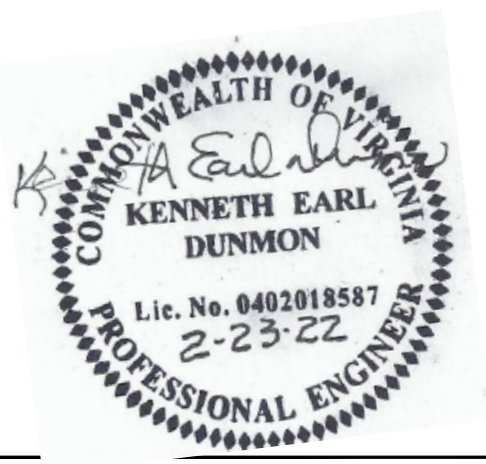


NOTE:
THE NUMBER OF PIERS SHOWN ON THIS FOUNDATION PLAN IS NO INDICATION OF THE AMOUNT OF PIERS REQUIRED AND NEEDED FOR THIS BUILDING. SEE MAXIMUM PIER SPACING CHART BELOW FOR THE CORRECT NUMBER OF PIERS REQUIRED FOR EACH SOIL BEARING CAPACITY.

FOUNDATION DIMENSIONS			
MAXIMUM PIER SPACING		MINIMUM SOIL BEARING CAPACITY	
(A) SIDEWALLS	KIPP	(B) MATELINE	KIPP
9'-0"	6.57	5'-0"	6.79
9'-0"	6.57	8'-0"	10.87
			2000 PSF
			3000 PSF

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

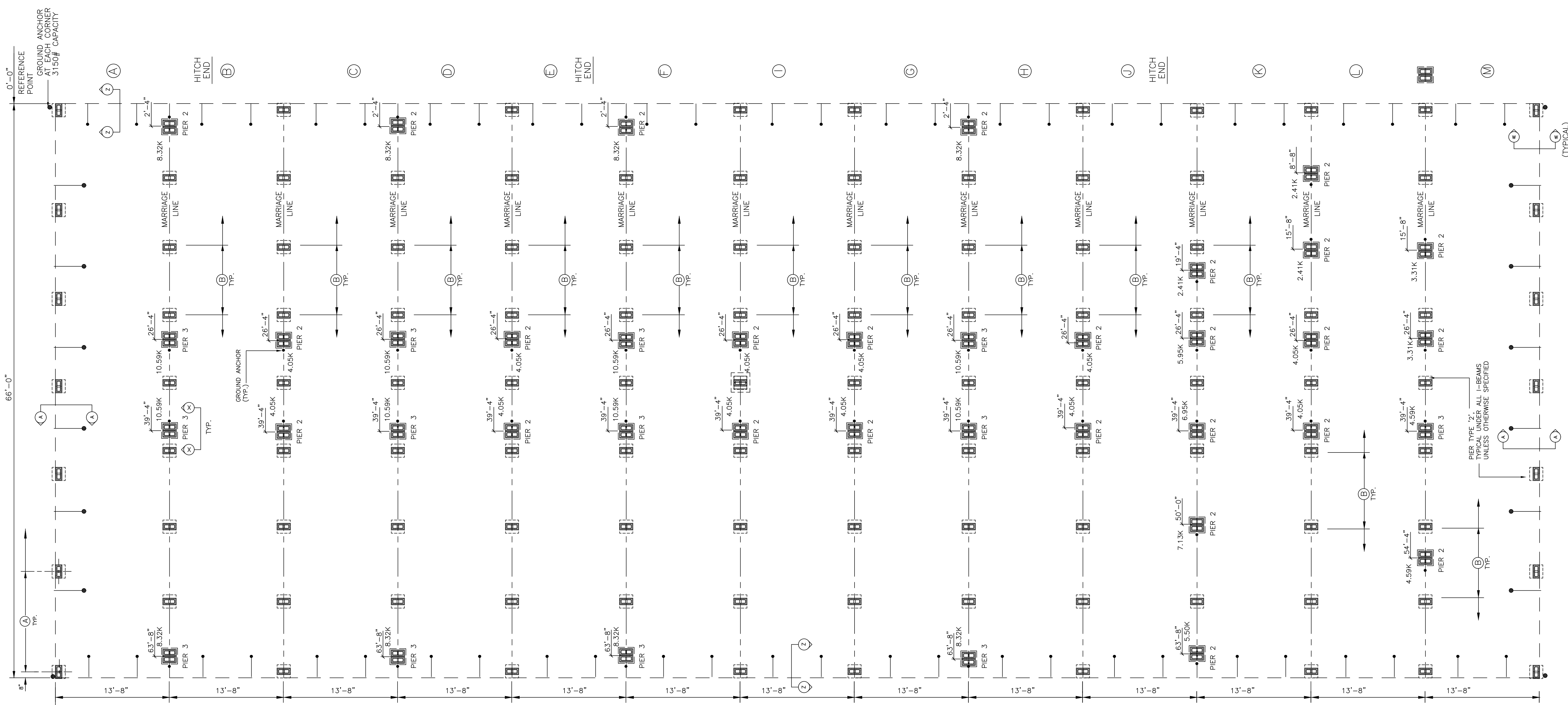
EMC APPROVED
02 24 2022



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: 1-16-22 REVISIONS:
SCALE: NO SCALE
CODES: SEE NOTES
STATES: MD, SC, VA, NC, NJ MD. PLAN NO: DBI9724 A-M BY: K.E.D.
REFERENCE: 9724 DBI-9724 MD (2021) SHEET
FOUNDATION DESTINATION: HARFORD CO, MD 1 OF 1



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

NOTE:
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.

NOTICE TO FOUNDATION CONTRACTOR:
ALL DIMENSIONS, DETAILS AND NOTES ON THIS FOUNDATION PLAN MUST BE REVIEWED AND VERIFIED BY THE FOUNDATION CONTRACTOR PRIOR TO COMMENCEMENT OF CONSTRUCTION OF THE FOUNDATION. ANY APPARENT CONFLICTS, ERRORS OR OMISSIONS MUST BE BROUGHT TO THE ATTENTION OF THE DESIGN PROFESSIONAL FOR RESOLUTION PRIOR TO PROCEEDING WITH CONSTRUCTION. THE CONTRACTOR MUST OBTAIN APPROVAL OF THE FOUNDATION PLAN FROM THE LOCAL BUILDING DEPARTMENT PRIOR TO COMMENCING CONSTRUCTION AND MUST COMPLY WITH ALL STATE AND LOCAL CODE, APPROVAL AND INSPECTION REQUIREMENTS. EMC IS NOT THE DESIGNER OF THE BUILDING OR THE FOUNDATION AND IS NOT RESPONSIBLE OR LIABLE FOR ANY CONFLICTS, ERRORS, OMISSIONS OR FAILURES TO COMPLY WITH STATE OR LOCAL CODES.

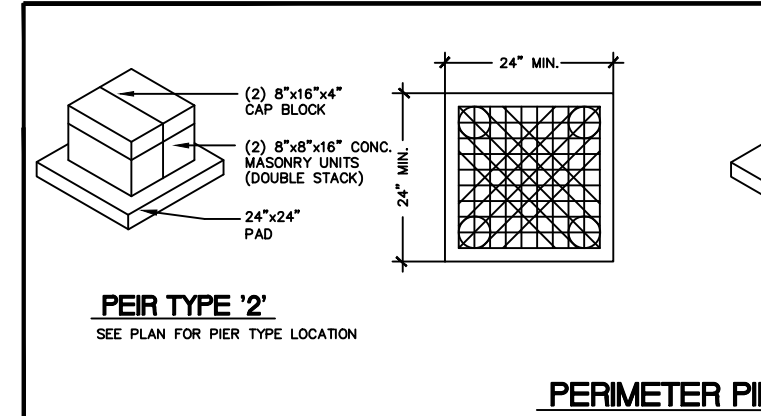
NOTE:
ALL REQUIRED BUILDING AND/OR CONSTRUCTION PERMITS MUST BE APPLIED FOR AND OBTAINED FROM THE LOCAL AUTHORITIES HAVING JURISDICTION PRIOR TO ANY WORK BEING DONE ON THE ABOVE SHOWN FOUNDATION DESIGN. THE ABOVE FOUNDATION DESIGN IS DESIGNED FOR A TEMPORARY BUILDING. APPROVAL OF THIS PLAN SHALL BE SUBJECT TO LOCAL JURISDICTION APPROVAL. IF THE ABOVE FOUNDATION DOES NOT MEET THE QUALIFICATIONS OF A "TEMPORARY BUILDING" THAN AN ALTERNATE FOUNDATION DESIGN SHALL BE REQUIRED IN ACCORDANCE WITH THE IBC.

Professional Certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland.
License No. 41056 Expiration Date: 10-17-23

FOUNDATION NOTES:

- NOTE: ALL REQUIRED BUILDING AND/OR CONSTRUCTION PERMITS MUST BE APPLIED FOR AND OBTAINED FROM THE LOCAL AUTHORITIES HAVING JURISDICTION PRIOR TO ANY WORKED BEING DONE ON THE ABOVE SHOWN FOUNDATION DESIGN.
- THE ABOVE FOUNDATION DESIGN IS DESIGNED FOR A TEMPORARY BUILDING. APPROVAL OF THIS PLAN SHALL BE SUBJECT TO LOCAL JURISDICTION APPROVAL. IF THE ABOVE BUILDING DOES NOT MEET THE QUALIFICATIONS OF A "TEMPORARY BUILDING" THEN AN ALTERNATE FOUNDATION DESIGN MAY BE REQUIRED IN ACCORDANCE WITH THE IBC.
- ALL FOUNDATION CONSTRUCTION, MATERIALS, AND INSTALLATION SHALL BE IN ACCORDANCE WITH ALL APPLICABLE STATE AND LOCAL CODES.
- TE-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 A3053-11. TE-DOWN STRAPS AND CONNECTING HARDWARE SHALL HAVE 3150# MINIMUM WORKING CAPACITY.
- EACH CONCRETE ANCHOR SHALL HAVE A WORKING CAPACITY NO LESS THAN THE SUM OF THE REQUIRED WORKING CAPACITIES OF ALL TE-DOWN STRAPS CONNECTED TO THE CONCRETE ANCHOR, AND SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS. DESIGN OF CONCRETE ANCHORS, INCLUDING SHAFT LENGTH, NUMBER AND DIAMETER OF HELICES, ETC., TO BE AS SPECIFIED BY THE CONCRETE ANCHOR MANUFACTURER FOR THE ACTUAL SOIL TYPE ENCOUNTERED. IF THE HOLDING OR PULLOUT CAPACITIES OF CONCRETE ANCHORS ARE BELOW THE ASSUMED DESIGN VALUE, THE ARCHITECT/ENGINEER MUST BE CONSULTED FOR AN ALTERNATE ANCHORAGE DESIGN.
- THE FIRST TE-DOWN STRAP FROM ENDWALLS SHALL NOT EXCEED 1/2 THE MAXIMUM SPACING INDICATED.
- 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.
- THE AREA UNDER FOOTINGS AND FOUNDATIONS SHALL HAVE ALL VEGETATION, STUMPS, ROOTS, AND FOREIGN MATERIALS REMOVED PRIOR TO THEIR CONSTRUCTION.
- SEE SHEET 1 OF 6 FOR BUILDING DESIGN LOADS
- I-BEAM SUPPORT PIERS MAY BE INSTALLED LATERALLY (8" FROM THE ORIENTATION SHOWN ON THE FOUNDATION PLAN). CENTERLINE OF EACH PIER MUST BE LOCATED DIRECTLY BELOW THE I-BEAM CENTERLINE.
- SOIL BEARING CAPACITY SHOWN ON THIS PLAN IS ASSUMED. THE ACTUAL SOIL BEARING CAPACITY IS LESS THAN 3,000 PSF. THE ARCHITECT/ENGINEER MUST BE CONSULTED FOR REQUIRED ALTERNATE FOUNDATION DESIGN. FOOTINGS SHALL BE PLACED ON NON-EXPANSIVE SOILS ONLY.
- THE FOUNDATION DIMENSIONS SHOWN ON THE ABOVE LAYOUT ARE NOMINAL DIMENSIONS OF THE FACTORY BUILT MODULES AND DO NOT ACCOUNT FOR GAPS BETWEEN MODULES THAT MAY OCCUR DURING INSTALLATION. THE FOUNDATION CONTRACTOR, FOUNDATION CONTRACTOR AND INSTALLER MUST CONSULT TO DETERMINE IF ADJUSTMENTS TO PIER LOCATIONS ARE NEEDED TO ACCOUNT FOR TOLERANCES NEEDED DURING INSTALLATION OF THE BUILDING MODULES

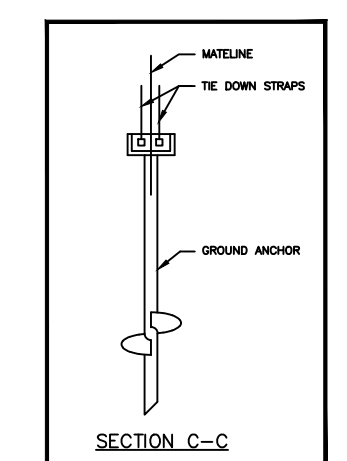
PIER TYPE SCHEDULE			
PIER TYPE	ABS PAD SIZE	MAX. PAD CAPACITY (LBS)	
		2000 PSF	3000 PSF
PIER TYPE 1	16 x 16 ABS PAD	3,558	5,333
PIER TYPE 2	24 x 24 ABS PAD	8,000 DBL STACK	8,000 DBL STACK
PIER TYPE 3	34 x 22 ABS MULTI-PAD	10,000 DBL STACK	12,000 DBL STACK
PIER TYPE 4	35 x 25.5 ABS MULTI-PAD	12,000 DBL STACK	12,000 DBL STACK
PIER TYPE 5	24 x 24 FRAC* PAD	8,000 DBL STACK	12,000 DBL STACK



FOUNDATION DIMENSIONS			
MAXIMUM PIER SPACING	MINIMUM SOIL BEARING CAPACITY		
	KIPF LOAD	KIPF LOAD	
(A) SIDEWALLS	5.84	5'-9"	7.81
8'-0"	5.84	5'-9"	7.81
8'-0"	5.84	5'-9"	7.81
8'-0"	5.84	5'-9"	7.81

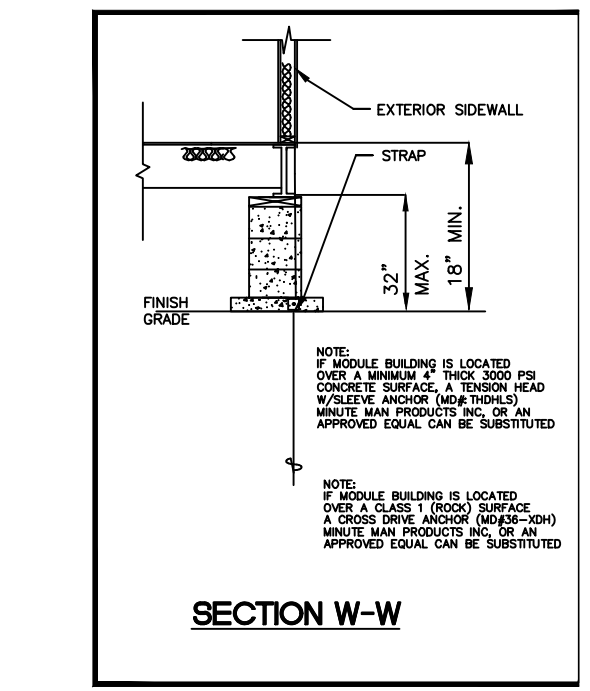
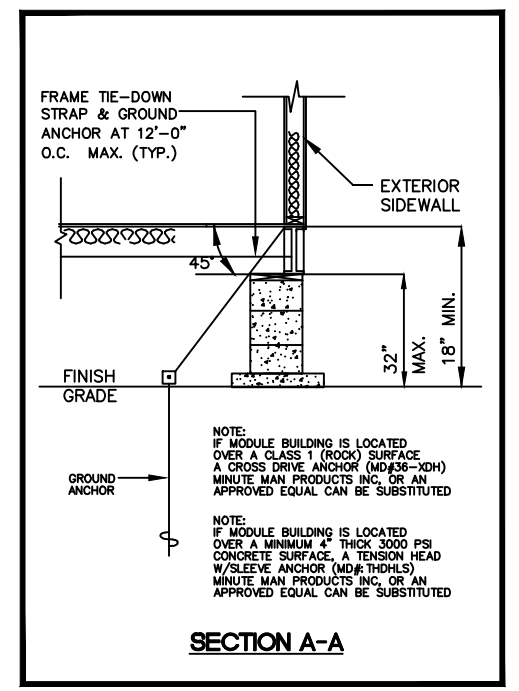
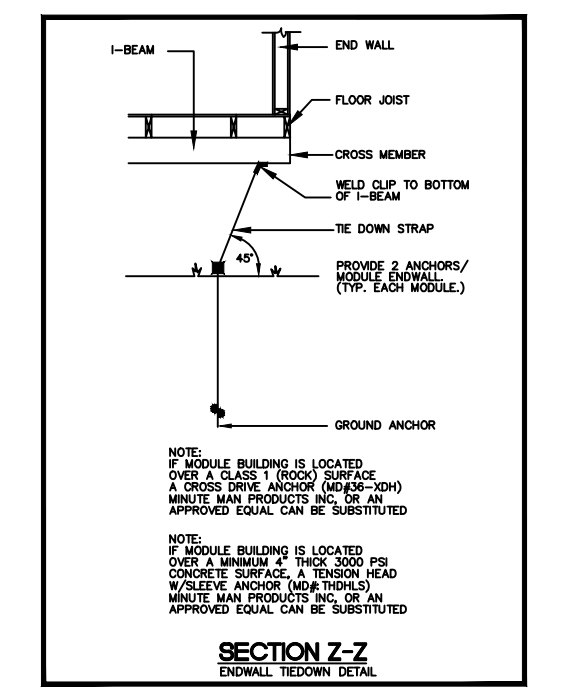
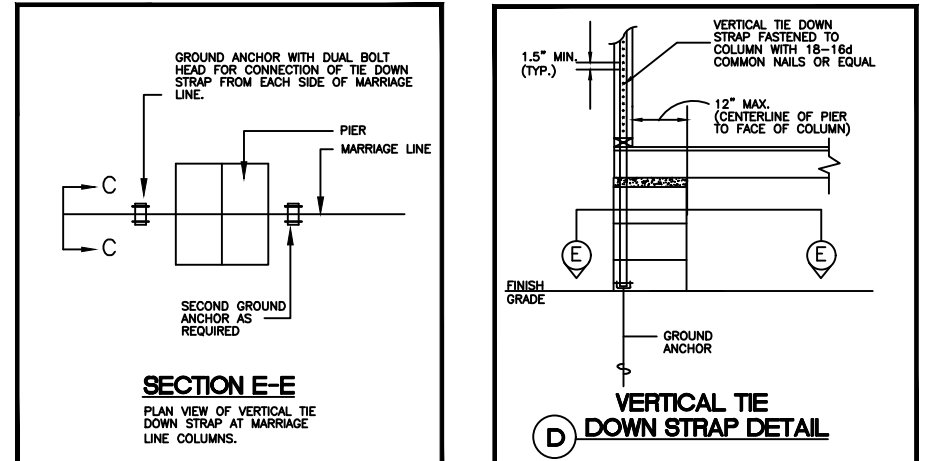
NOTE:
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FOUNDATION ENCLOSURE (WHEN PROVIDED) MUST HAVE A PER 1/150TH OF THE FLOOR AREA, AND AN 18" X 24" MINIMUM CREWMAN SPACE ACCESS. SITE INSTALLED BY OTHERS SUBJECT TO LOCAL JURISDICTION.

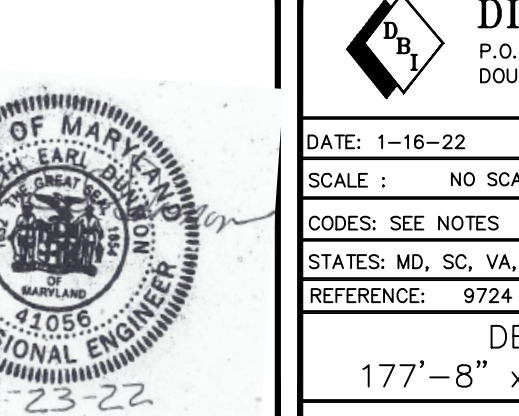
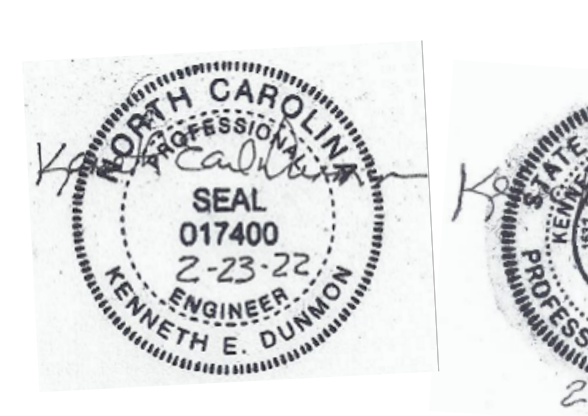


NEW JERSEY
CONSULTING ARCHITECT
ROBERT E. GREGG R.A. LIC.#15414
18167 US 19 NORTH-SUITE 120
CLEARWATER, FL 33764 (727) 644-8193

CONSULTING ARCHITECT
KENNETH EARL DUNNOM
L.I.C. No. 0402018597
2-23-22
PROFESSIONAL ENGINEER



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



DIAMOND BUILDERS INC.
P.O. BOX 2200
DOUGLASS, GEORGIA 31534

DATE: 1-16-22
SCALE: NO SCALE
REVISIONS:
CODES: SEE NOTES
STATES: MD, SC, VA, NC, NJ
MD. PLAN NO: DBI-9724 MD (2021)
BY: K.E.D.
SHEET 1 OF 1