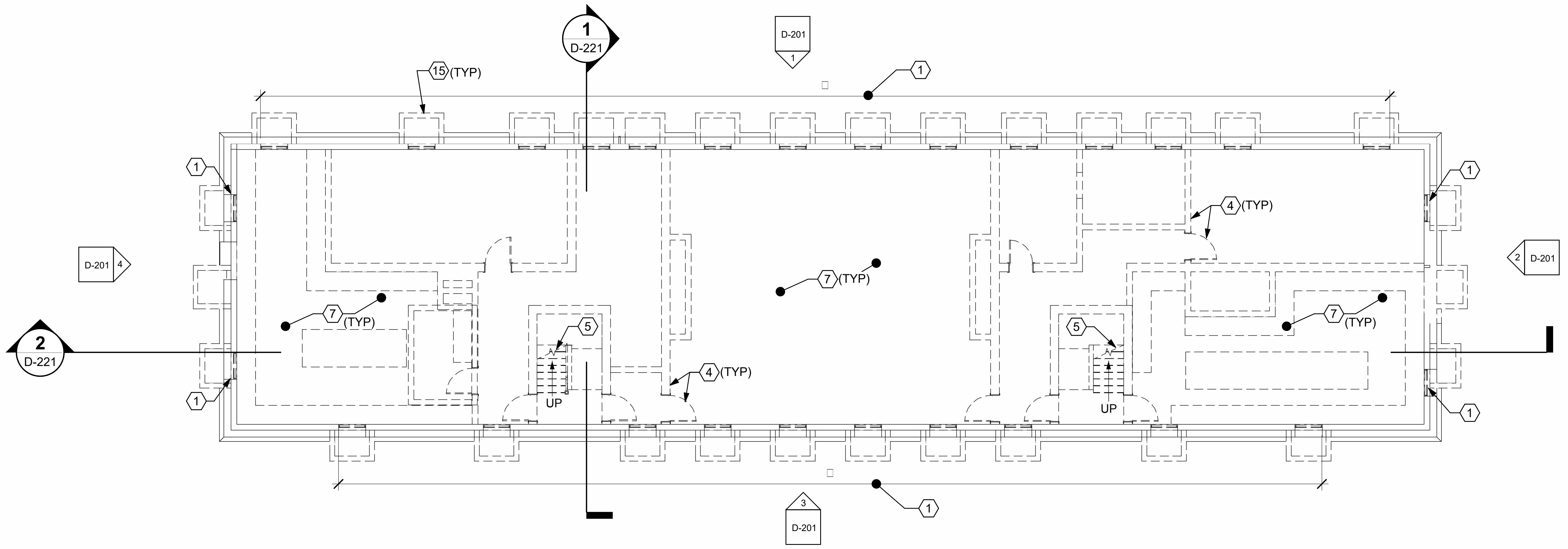
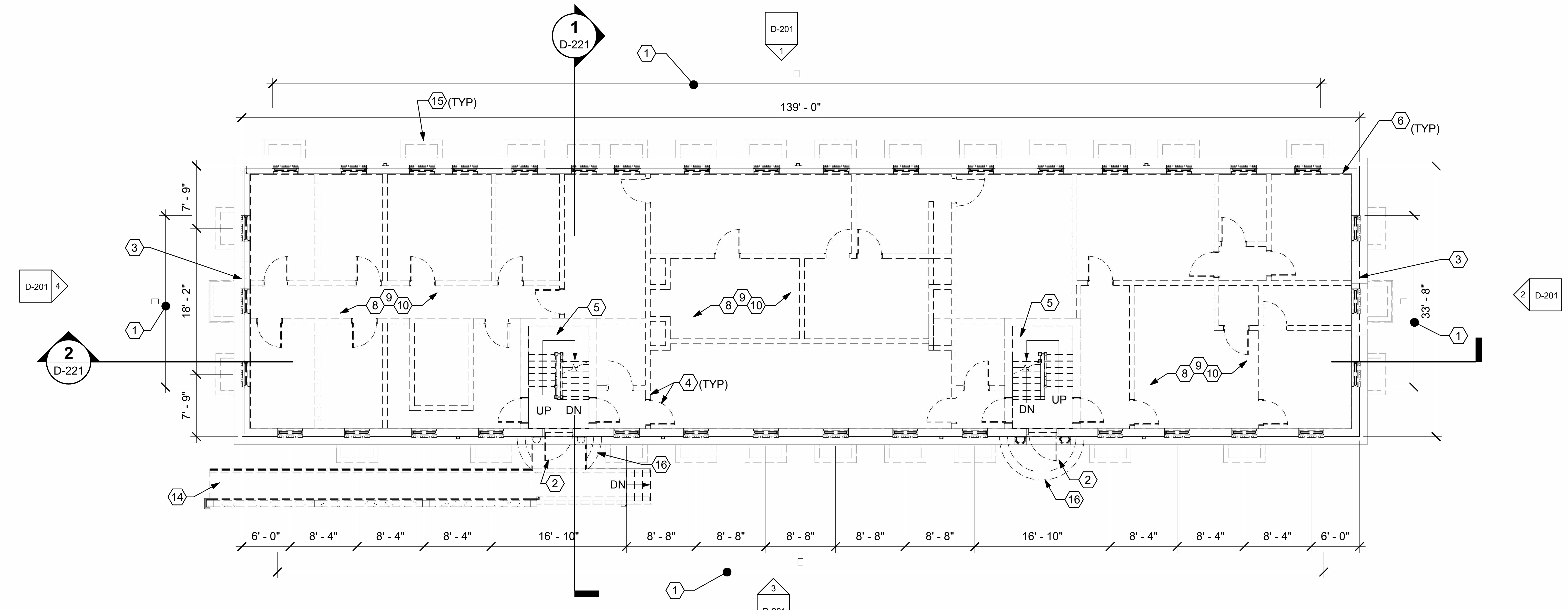


1 BASEMENT REMOVALS PLAN

D-101 SCALE: 1/8" = 1'-0"

PLAN NORTH



2 FIRST FLOOR REMOVALS PLAN

D-101 SCALE: 1/8" = 1'-0"

PLAN NORTH

GENERAL CONSTRUCTION NOTES: (SHEETS D-101 THRU D-221)

1. GENERAL INTENT OF REMOVALS IS TO COMPLETLY GUT THE INTERIOR OF THE EXISTING BUILDING. INCLUDING INTERIOR STRUCTURE, WHILE PRESERVING THE EXISTING EXTERIOR HISTORIC MASONRY WALLS AND ROOF STRUCTURE FOR REUSE.
2. SEE SHEET G-XXX FOR ADDITIONAL GENERAL REMOVALS AND HAZARDOUS MATERIALS NOTES.
3. REMOVALS KEYNOTES INDICATED ON "D-" SHEETS ARE REPRESENTATIVE OF GENERAL ITEMS TO BE REMOVED AND ARE NOT INTENDED TO IDENTIFY EACH ITEM ON EVERY WALL, FLOOR, CEILING, OR ELEVATION. VERIFY IN FIELD COMPLETE WORK ASSOCIATED WITH REMOVALS.
4. STORE AND PROTECT FROM WEATHER ITEMS TO BE REMOVED, SALVAGED, AND REINSTALLED. PREPARE SALVAGED ITEMS FOR REINSTALLATION.
5. REMOVE ITEMS AND COMPONENTS INDICATED TO BE REMOVED IN THEIR ENTIRETY. CLEAN AND PREPARE EXISTING ITEMS AND AREAS TO REMAIN TO RECIEVE FINAL FINISHES.COORDIANTE WITH CONSTRUCTION DOCUMENTS AND HAZARDOUS MATERIALS REMOVALS.
6. EXISTING CONDITION DESCRIPTIONS ARE BASED ON ORIGINAL DRAWINGS DATED 6-27-1927. SEE SPECIFICATIONS FOR EXISTING ORIGINAL DRAWINGS.
7. SEE SHEET S-001 FOR TEMPORARY SHORING/BRACING NOTES. BRACE BUILDING AS REQ'D PER SHORING ENGINEER.
8. COORDINATE REMOVALS WITH ALL DISCIPLINES.
9. CUT EXISTING STEEL FRAMING FLUSH WITH THE INSIDE FACE OF THE BRICK WALL AND GROUT VOIDS SOLID.

5

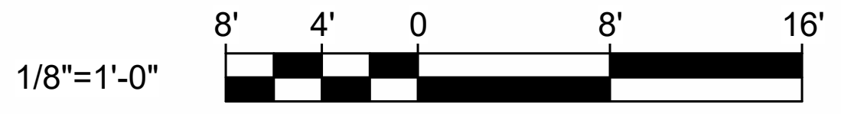
EXISTING KEYNOTES (SHEETS D-101 THRU D-221)

1	EXISTING ROOF FRAMING TO REMAIN. SEE SHEET SD101 FOR LOCALIZED ROOF FRAMING REMOVALS.

DEMOLITION KEYNOTES (SHEETS D-101 THRU D-221)

1	REMOVE EXTERIOR WINDOWS, TRIM AND SUBFRAMES. BASEMENT WINDOWS: 3'-2" X 3'-8" HOPPER FIRST FLOOR WINDOWS: 3'-2" X 6'-10" DOUBLE HUNG SECOND FLOOR WINDOWS: 3'-2" X 5'-6 1/4" DOUBLE HUNG THIRD FLOOR WINDOWS: 3'-2" X 5'-6 1/4" DOUBLE HUNG
2	REMOVE 3'-6" X 7'-0" EXTERIOR DOORS AND SUBFRAMES.
3	REMOVE PORTION OF EXTERIOR WALL. SEE D-201 FOR DIMENSIONS.
4	REMOVE INTERIOR DOORS AND PARTITIONS.
5	REMOVE INTERIOR REINFORCED CONCRETE STAIRS AND LANDINGS.
6	REMOVE INTERIOR PLASTER FINISH ON EXTERIOR WALLS TO FACE OF BRICK.
7	REMOVE EXISTING 3"+/- CONCRETE SLAB-ON-GROUND.
8	REMOVE EXISTING 2"+/- ELEVATED CONCRETE SLAB ON DRAPED STEEL MESH.
9	REMOVE EXISTING 8"+/- DEEP OPEN WEB STEEL JOISTS. EXISTING JOIST SPACING VARIES.
10	REMOVE EXISTING STEEL BEAMS AND COLUMNS. BEAM DEPTHS/WEIGHTS VARY.
11	REMOVE EXISTING ROOFING.
12	REMOVE EXISTING HVAC EQUIPMENT & DUCTING, COMPLETE.
13	REMOVE EXISTING GALVANIZED GUTTER AND DOWNSPOUT SYSTEM
14	REMOVE EXTERIOR CONCRETE RAMP, STAIR AND RAILINGS.
15	REMOVE CONCRETE LIGHTWELL.
16	REMOVE GRANITE STEPS.
17	REMOVE ORNAMENTAL WOOD DOOR CASING, ORNAMENTAL WOOD COLUMNS AND COPPER ROOF. PATCH AND PREPARE SURFACE FOR INSTALLATION OF NEW CASING.
18	REMOVE AND SALVAGE GRANITE KEYSTONE AND BRICK ARCHES.
19	REMOVE MASONRY CHIMNEY.
20	REMOVE PLASTER WINDOW ARCH INFILL.
21	CLEAN HISTORIC MASONRY IN ENTIRETY. REFER TO MASONRY RESTORATION AND REHABILITATION NOTES ON D-201.

GRAPHIC SCALE



CHECK GRAPHIC SCALE BEFORE USING

NO.	DATE	DESCRIPTION	BY
5	03/06/2025	ADDENDUM NO.5	HMG

REVISIONS

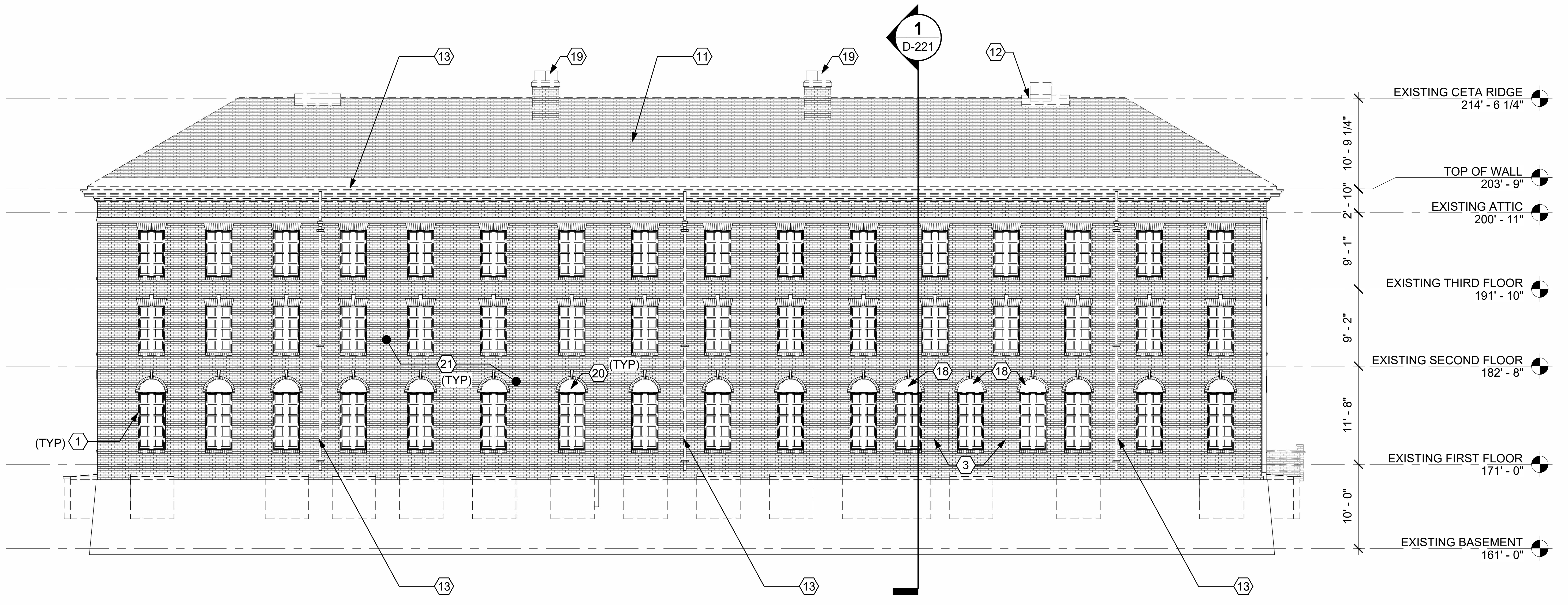
LICENSED ARCHITECT
TYLER G. BARTER
No. 2952
STATE OF MAINE
1-29-25

DRAWN BY: MJD
CHECK BY: CET
NO.
DATE 01/29/2025

DEPARTMENT OF INLAND FISHERIES & WILDLIFE
TITLE NEW OFFICE HEADQUARTERS
LOCATION AUGUSTA, ME
TITLE THIS DWG. DEMO PLANS 1, GENERAL REMOVAL NOTES, EXISTING KEYNOTES, AND REMOVALS KEYNOTES

OAK POINT ASSOCIATES
ARCHITECTURE ▫ ENGINEERING ▫ PLANNING
231 Main Street, Biddeford, Maine 04005 207.283.0193

DRAWING NO. D-101
SHEET NO. 16 OF 239



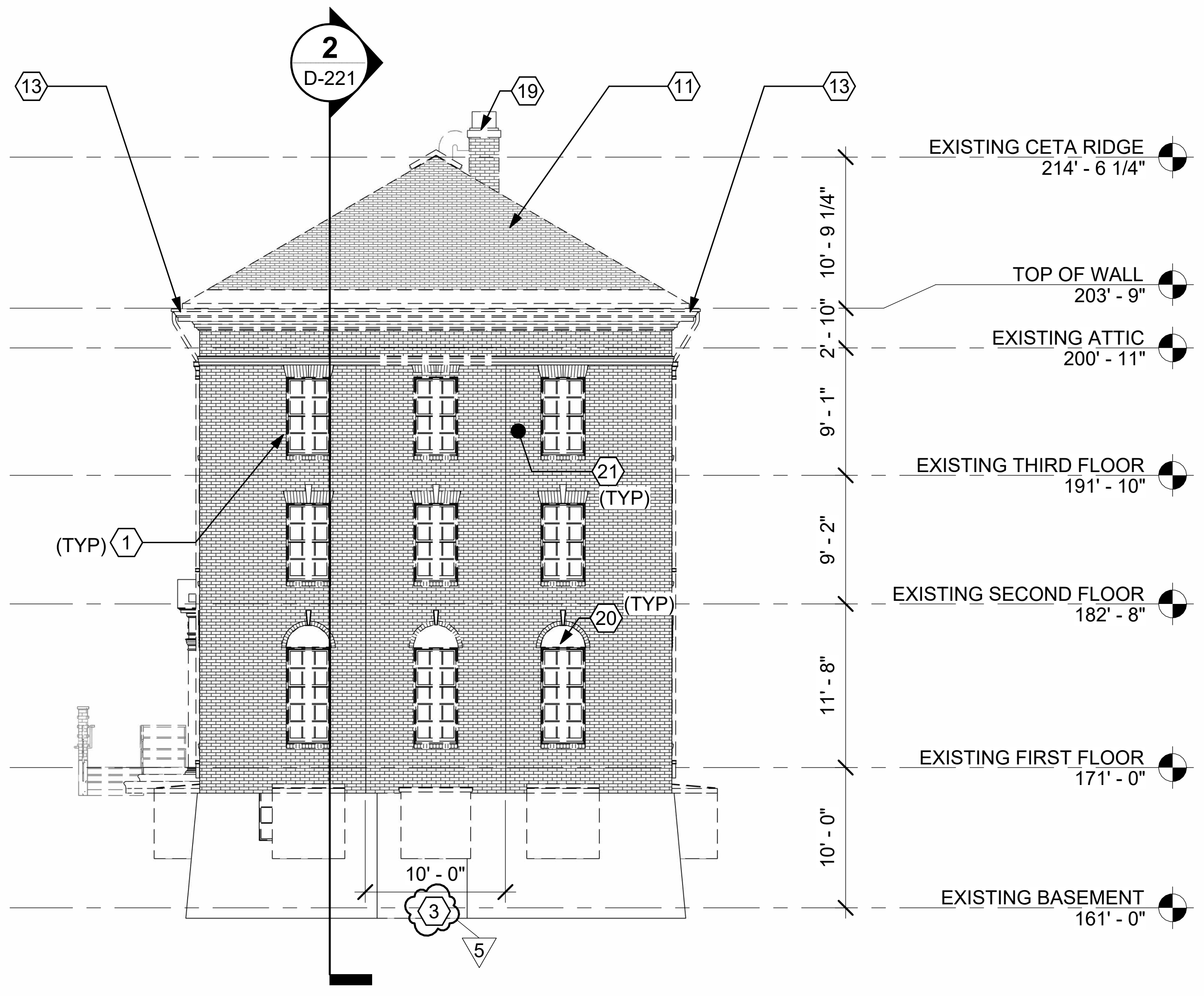
1
D-221
13
19
11
19
12
EXISTING CETA RIDGE 214' - 6 1/4"
TOP OF WALL 203' - 9"
EXISTING ATTIC 200' - 11"
EXISTING THIRD FLOOR 191' - 10"
EXISTING SECOND FLOOR 182' - 8"
EXISTING FIRST FLOOR 171' - 0"
EXISTING BASEMENT 161' - 0"
10' - 9 1/4"
2' - 10"
9' - 1"
9' - 2"
11' - 8"
10' - 0"
21 (TYP)
20 (TYP)
18
18
(TYP) 1
3
13
13
13

1 EAST ELEVATION REMOVALS

D-201 SCALE: 1/8" = 1'-0"

D-101, D-102

BASEMENT
161' - 0"



2
D-221
13
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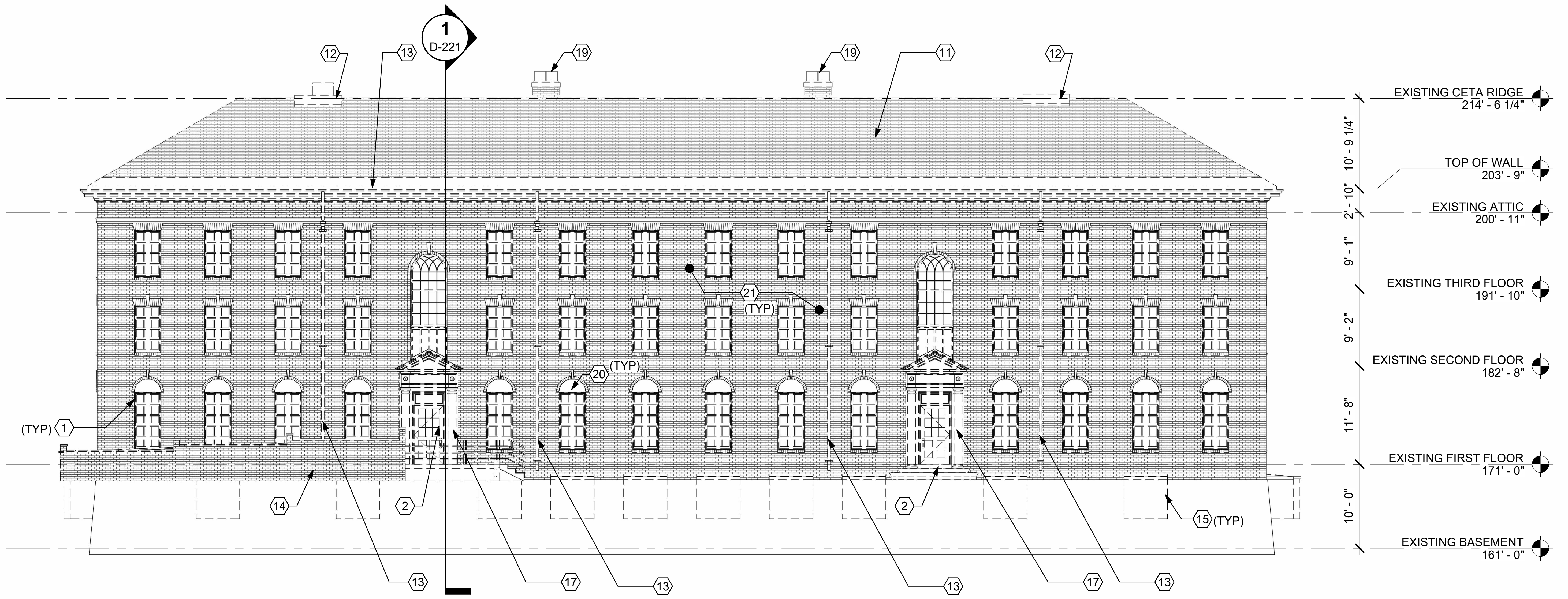
EXISTING CETA RIDGE 214' - 6 1/4"
TOP OF WALL 203' - 9"
EXISTING ATTIC 200' - 11"
EXISTING THIRD FLOOR 191' - 10"
EXISTING SECOND FLOOR 182' - 8"
EXISTING FIRST FLOOR 171' - 0"
EXISTING BASEMENT 161' - 0"
10' - 9 1/4"
2' - 10"
9' - 1"
9' - 2"
11' - 8"
10' - 0"
21 (TYP)
(TYP) 1
20 (TYP)
10' - 0"
3
5

2 SOUTH ELEVATION REMOVALS

D-201 SCALE: 1/8" = 1'-0"

D-101, D-102



1
D-221
12
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12
EXISTING CETA RIDGE 214' - 6 1/4"
TOP OF WALL 203' - 9"
EXISTING ATTIC 200' - 11"
EXISTING THIRD FLOOR 191' - 10"
EXISTING SECOND FLOOR 182' - 8"
EXISTING FIRST FLOOR 171' - 0"
EXISTING BASEMENT 161' - 0"
10' - 9 1/4"
2' - 10"
9' - 1"
9' - 2"
11' - 8"
10' - 0"
21 (TYP)
20 (TYP)
(TYP) 1
14
2
2
15 (TYP)
13
17
13
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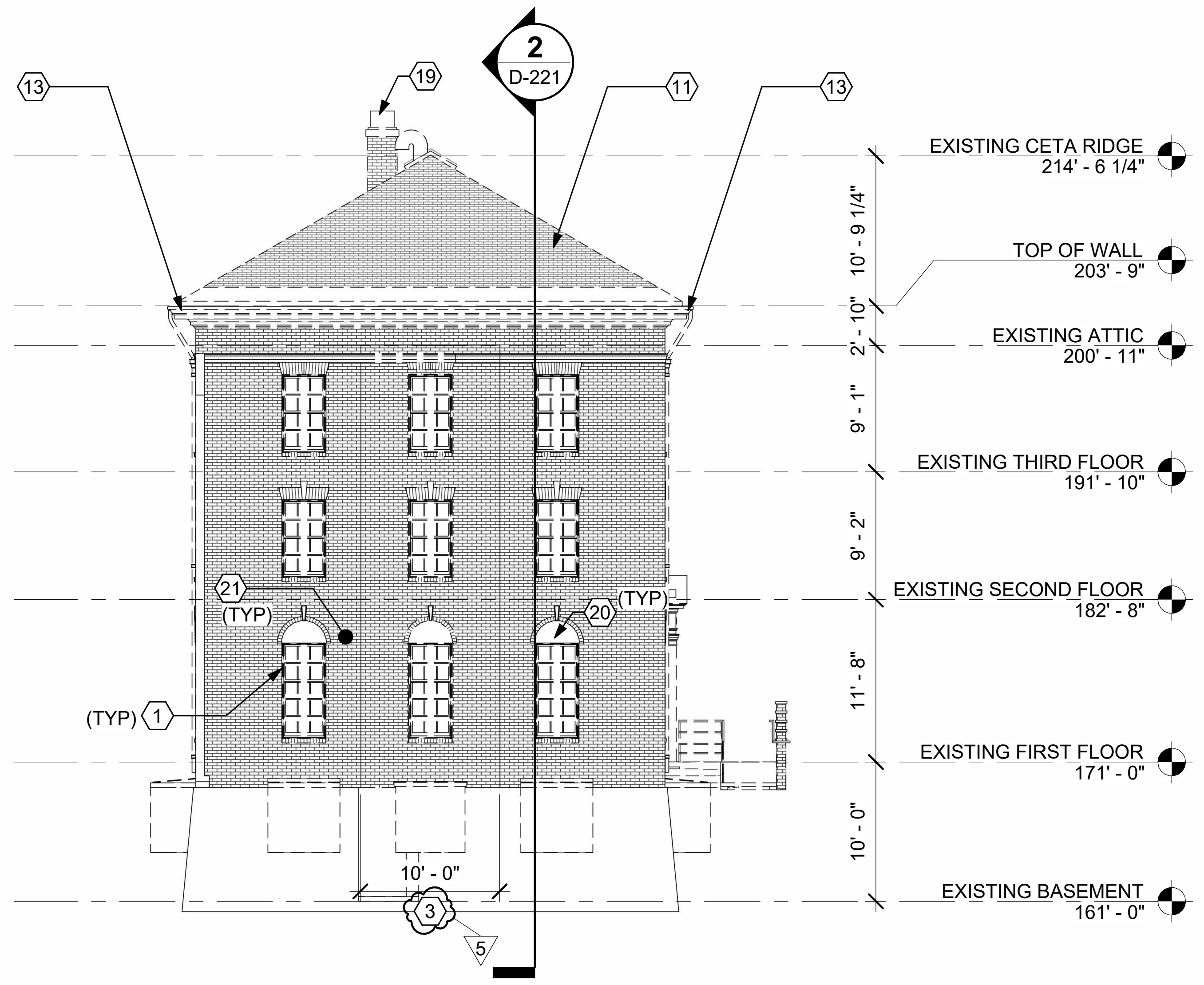
17
13

3 WEST ELEVATION REMOVALS

D-201 SCALE: 1/8" = 1'-0"

D-101, D-102



2
D-221
13
19
11
13
EXISTING CETA RIDGE 214' - 6 1/4"
TOP OF WALL 203' - 9"
EXISTING ATTIC 200' - 11"
EXISTING THIRD FLOOR 191' - 10"
EXISTING SECOND FLOOR 182' - 8"
EXISTING FIRST FLOOR 171' - 0"
EXISTING BASEMENT 161' - 0"
10' - 9 1/4"
2' - 10"
9' - 1"
9' - 2"
11' - 8"
10' - 0"
21 (TYP)
20 (TYP)
(TYP) 1
10' - 0"
3
5

4 NORTH ELEVATION REMOVALS

D-201 SCALE: 1/8" = 1'-0"

D-101, D-102

GENERAL CONSTRUCTION NOTES: (SHEETS D-101 THRU D-221)

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7. SEE SHEET S-001 FOR TEMPORARY SHORING/BRACING NOTES. BRACE BUILDING AS REQ'D PER SHORING ENGINEER.
8. COORDINATE REMOVALS WITH ALL DISCIPLINES.
9. CUT EXISTING STEEL FRAMING FLUSH WITH THE INSIDE FACE OF THE BRICK WALL AND GROUT VOIDS SOLID.

5

EXISTING KEYNOTES (SHEETS D-101 THRU D-221)

1 EXISTING ROOF FRAMING TO REMAIN. SEE SHEET SD101 FOR LOCALIZED ROOF FRAMING REMOVALS.

DEMOLITION KEYNOTES (SHEETS D-101 THRU D-221)

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  BASEMENT WINDOWS: 3'-2" X 3'-8" HOPPER
  FIRST FLOOR WINDOWS: 3'-2" X 6'-10" DOUBLE HUNG
  SECOND FLOOR WINDOWS: 3'-2" X 5'-6 1/4" DOUBLE HUNG
  THIRD FLOOR WINDOWS: 3'-2" X 5'-6 1/4" DOUBLE HUNG

2 REMOVE 3'-6" X 7'-0" EXTERIOR DOORS AND SUBFRAMES.

3 REMOVE PORTION OF EXTERIOR WALL. SEE D-201 FOR DIMENSIONS.

4 REMOVE INTERIOR DOORS AND PARTITIONS.

5 REMOVE INTERIOR REINFORCED CONCRETE STAIRS AND LANDINGS.

6 REMOVE INTERIOR PLASTER FINISH ON EXTERIOR WALLS TO FACE OF BRICK.

7 REMOVE EXISTING 3”+/- CONCRETE SLAB-ON-GROUND.

8 REMOVE EXISTING 2”+/- ELEVATED CONCRETE SLAB ON DRAPED STEEL MESH.

9 REMOVE EXISTING 8”+/- DEEP OPEN WEB STEEL JOISTS. EXISTING JOIST SPACING VARIES.

10 REMOVE EXISTING STEEL BEAMS AND COLUMNS. BEAM DEPTHS/WEIGHTS VARY.

11 REMOVE EXISTING ROOFING.

12 REMOVE EXISTING HVAC EQUIPMENT & DUCTING, COMPLETE.

13 REMOVE EXISTING GALVANIZED GUTTER AND DOWNSPOUT SYSTEM

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18 REMOVE AND SALVAGE GRANITE KEYSTONE AND BRICK ARCHES.

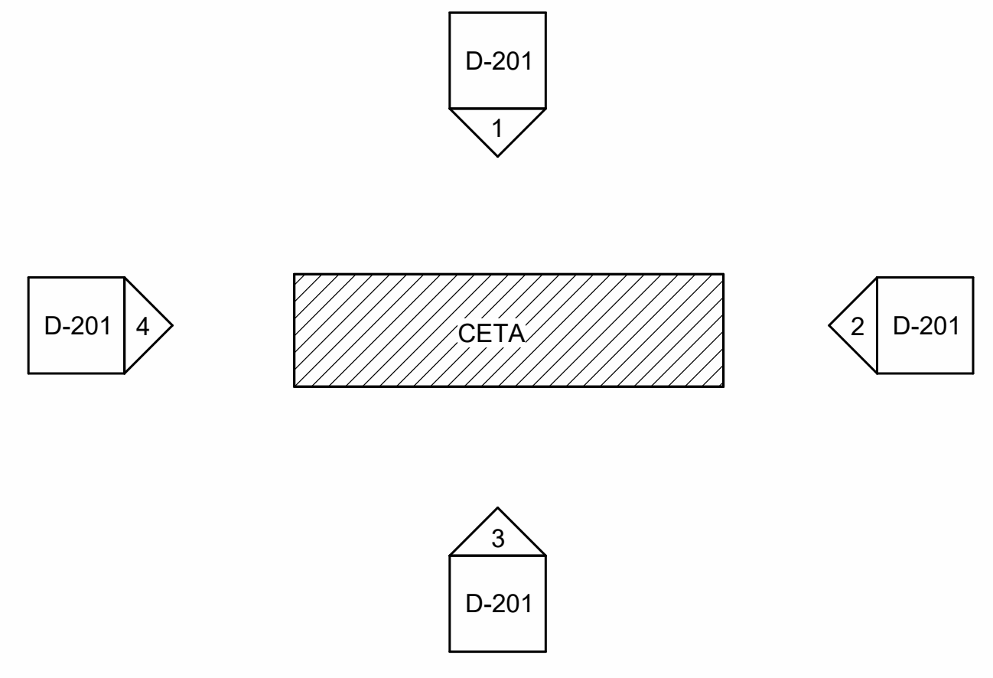
19 REMOVE MASONRY CHIMNEY.

20 REMOVE PLASTER WINDOW ARCH INFILL.

21 CLEAN HISTORIC MASONRY IN ENTIRETY. REFER TO MASONRY RESTORATION AND REHABILITATION NOTES ON D-201.

MASONRY RESTORATION & REHABILITATION NOTES:

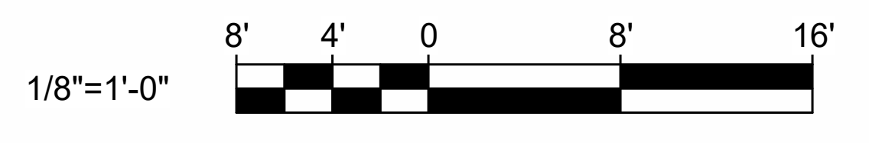
1. GRAPHIC INDICATIONS OF REPAIR WORK SPECIFIED ON DRAWINGS ARE INTENDED TO INDICATE LOCATION OF REPAIR AND APPROXIMATE SIZE OF REPAIR ONLY. VERIFY ALL WORK IN THE FIELD.
2. REMOVE SOILING FROM 100% OF MASONRY SURFACE. METHODS FOR CLEANING WILL VARY ON DIFFERENT SURFACES DEPENDING ON THE LEVEL OF SOILING. IN ADDITION TO GENERAL CLEANING, REMOVE METALLIC STAINING, PAINT, PAINT DRIPS, BIOLOGICAL GROWTH, CARBON DEPOSITS, AND EFFLORESCENCE. GENERAL RESTORATION CLEANING SHALL BE PERFORMED PRIOR TO ALL OTHER MASONRY WORK. FOLLOW REQUIREMENTS OF SPECIFICATION SECTION 040111.
3. RAKE OUT AND REPOINT 100% OF MORTAR JOINTS AT EXTERIOR. FOLLOW SPECIFICATION SECTIONS 040112, & 040115.
4. PROVIDE LEAD "T" JOINT COVERS ON HORIZONTAL (SKY-FACING) JOINTS GREATER THAN 3" IN DEPTH. FOLLOW REQUIREMENTS OF SPECIFICATION SECTION 040115.
5. REMOVE EXISTING SEALANT. FOLLOW SECTION 079200 FOR NEW WINDOW SEALANT.
6. REMOVE ABANDONED PINS, ANCHORS, DOWELS, AND OTHER ELEMENTS FROM MASONRY, UNLESS OTHERWIASE INDICATED.



KEYPLAN
NOT TO SCALE

PLAN
NORTH

GRAPHIC SCALE



CHECK GRAPHIC SCALE BEFORE USING

NO.	DATE	DESCRIPTION	BY
5	03/06/2025	ADDENDUM NO.5	HMG

REVISIONS

TYLER G. BARTER
No. 2952
1-29-25

DRAWN BY: MJD
CHECK BY: CET
NO.
DATE 01/29/2025

DEPARTMENT OF INLAND
FISHERIES & WILDLIFE

TITLE NEW OFFICE HEADQUARTERS
LOCATION AUGUSTA, ME
TITLE THIS DWG. DEMO EXTERIOR ELEVATIONS

OAK POINT
ASSOCIATES
ARCHITECTURE ▫ ENGINEERING ▫ PLANNING
231 Main Street, Biddeford, Maine 04005 207.283.0193

DRAWING NO. D-201
SHEET NO. 18 OF 239

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STRUCTURAL NOTES

CONCRETE

1. CONFORM WITH ACI 117, ACI 201, ACI 211.1, ACI 301, ACI 302.1R, ACI 305R, ACI 306.1, ACI 308.1, ACI 309R, ACI 315, ACI 318, ACI 330 AND ACI 347R.
2. CONCRETE EXPOSED TO WEATHER: NORMAL WEIGHT, F'c=5000 PSI WITH A MAXIMUM WATER/CEMENT RATIO=0.40.
   CONCRETE FOR FOOTINGS: NORMAL WEIGHT, F'c=3000 PSI WITH A MAXIMUM WATER/CEMENT RATIO=0.50.
   CONCRETE FOR FOUNDATION WALLS AND PIERS: NORMAL WEIGHT, F'c=5000 PSI WITH A MAXIMUM WATER/CEMENT RATIO=0.40.
   CONCRETE FOR SLABS-ON-GROUND: NORMAL WEIGHT, F'c=4000 PSI WITH A MAXIMUM WATER/CEMENT RATIO=0.45.
   CONCRETE FOR TOPPING SLABS: LIGHTWEIGHT, F'c=4000 PSI WITH A MAXIMUM WATER/CEMENT RATIO=0.50.
3. COMPACT THE STRUCTURAL FILL BENEATH ISOLATED AND SPREAD FOOTINGS WITH A VIBRATING PLATE COMPACTOR AND PRIOR TO CONCRETE REINFORCEMENT PLACEMENT.
4. DEFORMED REINFORCING BARS: ASTM A615/A615M (GRADE 60).
5. SOUTH ADDITION PIER REINFORCING: ASTM A615/A615M (GRADE 75).
6. WELDED WIRE FABRIC: ASTM A185 (EPOXY COATED AS INDICATED).
7. LAP SPLICE CONCRETE REINFORCEMENT IN ACCORDANCE WITH ACI 301/ACI 318. LAP BARS AS INDICATED IN THE LAP SPLICE SCHEDULE ON SHEET S-001. WELDING OF STEEL REINFORCEMENT IS NOT PERMITTED.
8. MINIMUM REINFORCING STEEL COVER: FOOTINGS 3", WALLS AND PIERS 2", ELEVATED SLABS 3/4", UNLESS INDICATED OTHERWISE.
9. SUPPORT STEEL REINFORCEMENT AND WELDED WIRE FABRIC BY APPROVED MATERIALS.
10. CURE ELEVATED SLABS BY MOIST CURING ONLY.
11. CURE CONCRETE AS SPECIFIED. CONCRETE NOT CURED WILL NOT BE ACCEPTED.
12. NONSHRINK GROUT: ASTM C1107, NONMETALLIC.
13. EPOXY GROUT: ASTM C881, TYPE IV OR V.
14. EPOXY ADHESIVE: ASTM C881.
15. CONCRETE SLAB FINISH:

FLOOR FLATNESS AND LEVELNESS

SLAB LOCATION	OVERALL VALUE		MIN LOCAL VALUE	
	F_F	F_L	F_F	F_L
SLAB ON GRADE	35	25	24	17

16. PERFORM FLATNESS/LEVELNESS TESTS WITHIN 48 HOURS OF CONCRETE PLACEMENT. SUBMIT TEST RESULTS TO THE STRUCTURAL ENGINEER OF RECORD AND OWNER WITHIN 24 HOURS OF TEST COMPLETION.
17. INTERIOR SLABS-ON-GRADE: PROVIDE CONCRETE SLAB PROTECTION (BEYOND THE 7-DAY CURING PERIOD) UNTIL THE BUILDING ENVELOPE COMPLETELY ENCLOSES AND PROTECTS THE SLAB FROM WIND, SUN AND PRECIPITATION.
18. TAPE AND SEAL JOINTS IN VAPOR RETARDER AT EDGES AND UTILITY PENETRATIONS. SEAL VAPOR RETARDER TO CONCRETE AT EDGES.
19. SECURE ANCHOR RODS IN PLACE PRIOR TO PLACING CONCRETE. INCORRECTLY LOCATED OR OUT-OF-PLUMB ANCHORS MUST BE REPLACED AT NO COST TO THE OWNER. REPLACEMENT METHODS MUST BE AS DIRECTED BY THE OWNER.
20. COORDINATE FOUNDATION WORK WITH SOIL AND SOIL EXPLORATION NOTES ON SHEET C-001.
21. COORDINATE SLAB FINISH REQUIRED FOR FLOORING TESTING AND INSTALLATION WITH FLOORING MANUFACTURER.
22. SLEEVES: AT SLEEVES LESS THAN 12" DIAMETER, NO ADDITIONAL REINFORCING REQUIRED. AT SLEEVES GREATER THAN 12", PROVIDE (2) #5'S HORIZONTAL OVER OPENING, EXTEND 1'-0" PAST OPENING ON EACH SIDE. BOND OUTS: AT RECTANGULAR BOND OUTS UP TO 9'-0" WIDE, PROVIDE (2) #5'S HORIZONTAL OVER OPENING, EXTEND 1'-0" PAST OPENING ON EACH SIDE AND (2) #5'S, 1'-0" LONG, CORNER BARS AT A 45 DEGREE ANGLE AT EACH CORNER OF BOND OUT ON EACH FACE OF FOUNDATION WALL.

STRUCTURAL STEEL

1. CONFORM WITH THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION'S "MANUAL OF STEEL CONSTRUCTION FIFTEENTH EDITION".
2. STEEL FOR ROLLED SECTIONS: ASTM A992/A992M (Fy=50 KSI).
   STEEL FOR CONNECTIONS, ANGLES AND PLATES: ASTM A36 (Fy=36 KSI).
   STEEL FOR COLUMN BASE PLATES: ASTM A572/A572M (Fy=50 KSI).
   RECTANGULAR HOLLOW STRUCTURAL SECTIONS: ASTM A500, GRADE C, (Fy=50 KSI).
   ROUND HOLLOW STRUCTURAL SECTIONS: ASTM A500, GRADE C, (Fy=46 KSI).
3. ANCHOR RODS: ASTM F1554, GRADE 55 (Fy=55 KSI).
   NUTS: ASTM A563, GRADE A.
   WASHERS: ASTM F436, TYPE 1.
4. STRUCTURAL BOLTS: ASTM A325/A325M N, TYPE 1 OR ASTM F1852, TYPE 1, TENSION CONTROL.
   WASHERS: ASTM F436M.
   NUTS: ASTM A563M.
5. WELDING: AWS D1.1 AND AWS D1.3, E70 ELECTRODE.
6. GRIND EXPOSED WELDS SMOOTH.
7. LATERAL FORCE RESISTING COLLECTOR CONNECTIONS ARE AS INDICATED.
8. BEAM TO BEAM AND BEAM TO COLUMN CONNECTIONS ARE AS INDICATED. ALTERNATE CONNECTIONS THAT HAVE EQUAL OR GREATER STRENGTH ARE PERMITTED PROVIDED CACULATIONS PREPARED AND SIGNED AND SEALED BY A LICENSED PROFESSIONAL ENINGEER IN THE STATE OF MAINE ARE SUBMITTED FOR REVIEW.
9. BRACING CONNECTIONS SCHEDULES AND DESIGN FORCES ARE INDICATED ON SHEET SF201. SUBMIT SHOP DRAWINGS AND DESIGN CALCULATIONS PREPARED BY A LICENSED PROFESSIONAL ENGINEER IN THE STATE OF MAINE.
10. FULLY TENSION BOLTS. USE TENSION CONTROL BOLTS ONLY.
11. COORDINATE TESTING AND INSPECTION OF FIELD-BOLTED CONNECTIONS ACCORDING TO RCSC'S "LOAD AND RESISTANCE FACTOR DESIGN SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS".
12. STONE VENEER LINTELS PER LINTEL SCHEDULE ON SHEET S-002. COORDINATE LOCATIONS AND SPANS WITH ARCHITECTURAL PLANS.

COLD-FORMED STEEL

1. COLD-FORMED METAL FRAMING: GALVANIZED STEEL ASTM A653/A653M,
   GRADE 33 FOR TRACKS (Fy=33 KSI) G90 COATING.
   GRADE 50 FOR STUDS: (Fy=50 KSI) G90 COATING.
2. PNEUMATIC FASTENING OF COLD-FORMED FRAMING IS NOT PERMITTED.
3. SECTION PROPERTIES FOR WALL STUDS, TRACKS, HEADERS, AND SOFFIT FRAMING MUST BE AS REQUIRED BY STRUCTURAL PERFORMANCE.
4. DESIGN COLD-FORMED STEEL CONNECTIONS IN ACCORDANCE WITH THE LATEST REVISION OF AISI'S "DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS", FOR THE REACTIONS REQUIRED. DESIGN COLD-FORMED CURTAIN WALLS FOR THE COMPONENT AND CLADDING WIND PRESSURES INDICATED ON SHEET S-003.
5. DESIGN COLD-FORMED STEEL MEMBERS TO SUPPORT SUNSHADES FOR DEAD LOAD, SNOW LOAD AND COMPONENT AND CLADDING WIND FORCES. WIND FORCES MAY ACT IN POSITIVE AND NEGATIVE DIRECTIONS.
6. LIMIT MAXIMUM PERMITTED WIND LOAD DEFLECTION OF EXTERIOR WALLS TO L/360 AT METAL PANEL SYSTEM.
7. EXTERIOR WALL DEFLECTION TRACK MUST ALLOW FOR 1-1/2" OF DEFLECTION AT ROOF LEVELS.
8. PREPARE DESIGN CALCULATIONS AND SHOP DRAWINGS BY A LICENSED PROFESSIONAL ENGINEER IN THE STATE OF MAINE AND SUBMIT FOR REVIEW PRIOR TO CONSTRUCTION OF FRAMING.

MASONRY

1. CONFORM TO ACI 530-11/ASCE 5-11/TMS 402-11.
2. CONCRETE MASONRY UNITS: ASTM C90, TYPE 1, NORMAL WEIGHT.
   MORTAR: ASTM C270.
   GROUT: ASTM C476 FINE.
   DEFORMED REINFORCEMENT: ASTM A615/A615M, GRADE 60.
3. CONCRETE MASONRY ASSEMBLIES TO HAVE THE FOLLOWING STRENGTHS:
   MASONRY UNIT ASSEMBLY STRENGTH: F'm=3000 PSI.
   CONCRETE MASONRY UNITS COMPRESSIVE STRENGTH: Fc=4500 PSI.
   GROUT STRENGTH: Fg=3000 PSI.
4. SUBMIT SPECIFIED PRE-CONSTRUCTION TESTS TO THE STRUCTURAL ENGINEER OF RECORD AND THE OWNER PRIOR TO STARTING MASONRY CONSTRUCTION. DO NOT CONSTRUCT MASONRY WITHOUT THE REQUIRED PRE-CONSTRUCTION TESTING BEING PERFORMED. MASONRY CONSTRUCTED WITHOUT THE REQUIRED PRE-CONSTRUCTION TESTING WILL NOT BE ACCEPTED.
5. COORDINATE DAILY MASONRY INSPECTIONS AS SPECIFIED. MASONRY CONSTRUCTED WITHOUT THE COMPLETION OF DAILY MASONRY INSPECTIONS WILL NOT BE ACCEPTED AND WILL BE REMOVED AND REPLACED AT NO ADDITIONAL COST TO THE OWNER.
6. REINFORCE CONCRETE MASONRY WALLS AND PARTITIONS AS INDICATED WITH REINFORCED CELLS GROUTED SOLID AND GROUT REMAINING EMPTY CELLS SOLID, UNLESS NOTED OTHERWISE.
7. DO NO MAKE HOLES OR PENETRATIONS THROUGH CMU BOND BEAMS.
8. LAP SPLICE REINFORCING AS INDICATED ON FOUNDATION DETAILS AND MASONRY WALL ELEVATION SHEETS.

POST INSTALLED ANCHORS

1. INSTALL POST INSTALLED ANCHORS IN ACCORDANCE WITH THE MANUFACTURER'S PRINTED INSTRUCTIONS. BASIS OF DESIGN ARE HILTI PRODUCTS. ALTERNATE PRODUCTS ARE ACCEPTABLE PROVIDED THEY HAVE EQUAL OR GREATER CAPACITIES. SUBMIT FOR REVIEW PRIOR TO INSTALLATION.
2. 5/8" DIAMETER ANCHORS/EXPANSION BOLTS MUST HAVE THE FOLLOWING MINIMUM ULTIMATE STRENGTH:
   a. SHEAR = 14,725 LBS.
   b. TENSION = 6,835 LBS.
3. ADHESIVE ANCHORS: HILTI HY-200 A V36 ADHESIVE. RODS = 5/8" DIAMETER.

STRUCTURAL GLUED LAMINATED TIMBER

1. PROVIDE STRUCTURAL GLUED LAMINATED TIMBER IN ACCORDANCE WITH ANSI A190.1, AITC 110 AND ANSI 117.
2. PROTECT STRUCTURAL GLUED LAMINATED TIMBER IN ACCORDANCE WITH AITC 111. REMOVE AND REPLACE DAMAGED FRAMING.
3. SPECIES AND GRADES:
   VISUALLY GRADED SOUTHERN PINE (NO "WANE" PERMITTED) FOR ALL GLUED LAMINTED TIMBER.

   BEAMS,PURLINS, AND BRACES:
   BEAM STRESS CLASSIFICATION = 24F-1.8E
   COMBINATION SYMBOL = SP/SP, 24V-8 BALANCED.
   Fb = 2,400 PSI
   Fv = 300 PSI
   Ft = 1,150 PSI
   Fc = 1,650 PSI
   E = 1,800,000 PSI

   COLUMNS:
   COMBINATION SYMBOL = SOUTHERN PINE, 49.
   Fb = 1,550 PSI
   Fv = 300 PSI
   Ft = 1,350 PSI
   Fc = 2,100 PSI (4 OR MORE LAMINATIONS)
   E = 1,700,000 PSI
4. INTERIOR METAL PLATES AND CONNECTORS MUST BE SHOP PRIMED AND PAINTED. FASTENERS SHALL BE FIELD PRIMED AND PAINTED. COORDINATE WITH ARCHITECTRURAL.
5. EXTERIOR MEMBERS MUST BE TREATED WITH AN APPROVED PRESERVATIVE WHICH PROVIDES A NATURAL APPEARANCE. INTERIOR MEMBERS MUST BE TREATED AS INDICATED IN THE SPECIFICATIONS.
6. EXTERIOR METAL PLATES AND CONNECTORS MUST BE HOT-DIP GALVANIZED WITH A G90 COATING. FASTENERS SHALL BE HOT-DIP GALVANIZED. FIELD PAINT METAL PLATES, CONNECTORS, AND FASTENERS.
7. DESIGN BRACED FRAME CONNECTIONS FOR THE FORCES INDICATED ON SHEET SF204. SUBMIT SHOP DRAWINGS AND DESIGN CALCULATIONS PREPARED BY A LICENSED PROFESSIONAL ENGINEER IN THE STATE OF MAINE.
8. SEE BRACED FRAME CONNECTION DESIGN CRITERIA ON SHEET SF204.
9. BASIS OF DESIGN FOR GLU-LAM CONNECTION HARDWARE IS BASED ON SIMPSON STRONG-TIE AND MTC SOLUTIONS. ALTERNATE PRODUCTS WITH EQUAL OR GREATER CAPACITIES ARE ACCEPTABLE. SUBMIT ALTERNATE PRODUCTS FOR REVIEW. SEE SHEET SF601 FOR GLU-LAM CONNECTION SCHEDULES AND DETAILS.

STEEL DECK

1. STEEL DECKS: AISI SG03-3 AND STEEL DECK INSTITUTE "DESIGN MANUAL FOR COMPOSITE DECKS, FORM DECKS AND ROOF DECKS". DECK UNITS ASTM A653/A653 SQ, GRADE 40, COATING G90 FOR ASTM A653/A653M. FASTEN FLOOR DECK WITH 5/8" WELDS ON A 36/4 PATTERN WITH (6) #10 SCREWS PER SPAN (STITCH CONNECTION).

   STEEL COMPOSITE DECK = NON-CELLULAR, GRADE 40.
   MINIMUM DEPTH = 2" (MINIMUM DESIGN THICKNESS: 0.0598 IN (16 GAUGE))
   MINIMUM SECTION MODULUS = Sx = 0.611 IN^3
   MINIMUM MOMENT OF INERTIA = Ix = 0.653 IN^4
2. PROVIDE CONCRETE POUR STOPS/CLOSURE ANGLES AT EDGES OF SLABS. SEE POUR STOP SCHEDULE ON THIS SHEET FOR POUR STOP SIZE AND MAXIMUM OVER HANG DISTANCE.

CROSS LAMINATED TIMBER

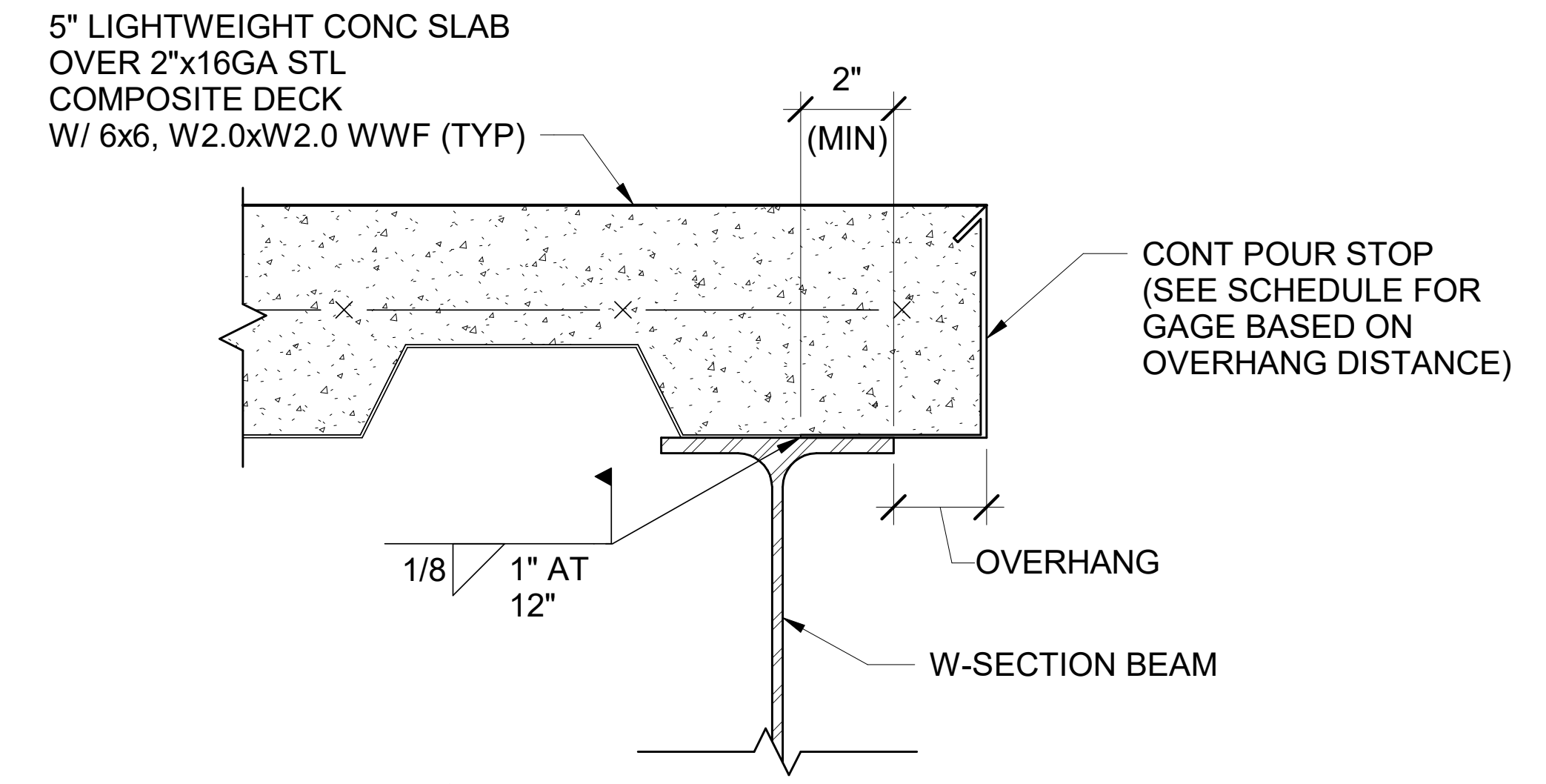
1. PROVIDE CROSS LAMINATED TIMBER IN ACCORDACNE WITH ANSI/APA PRG 320-2012 ENTITLED STANDARD FOR PERFORMANCE RATED CROSS-LAMINATED TIMBER.
2. CLT PANELS MUST NOT BE MODIFIED IN THE FIELD WITHOUT WRITTEN APPROVAL BY THE STRUCTURAL ENGINEER OF RECORD.
3. CLT GRADE=E3
4. PLY THICKNESS= 1 3/8 IN
5. MAJOR STRENTH DIRECTION ALLOWABLE STRESS:
   Fb= 1,200 PSI
   E1= 1,700,000 PSI
   Ft= 600 PSI
   Fc=1,400 PSI
   Fv=110 PSI
   Fs=35 PSI
6. MINOR STRENGTH DIRECTION ALLOWABLE STRESS:
   Fb= 350 PSI
   E= 900,00O PSI
   Ft= 150 PSI
   Fc- 475 PSI
   Fv= 110 PSI
   Fs= 35 PSI

WOOD

1. WOOD FRAMING AND FASTENERS TO BE IN ACCORDANCE WITH THE 2015 INTERNATIONAL BUILDING CODE AND THE AMERICAN FOREST AND PAPER ASSOCIATION NATIONAL DESIGN SPECIFICATION (2015)(AFPA NDS).
2. EACH PIECE OF LUMBER MUST BE "S-DRY" AND BEAR THE GRADE STAMP OF A GRADING RULES AGENCY APPROVED BY THE PS-20 "AMERICAN SOFTWOOD LUMBER STANDARDS COMMITTEE".
3. MINIMUM STRUCTURAL PROPERTIES OF WOOD FRAMING ARE AS FOLLOWS:
   ROOF RAFTERS:
   SPRUCE-PINE-FIR NO. 2 OR BETTER WITH MINIMUM DESIGN VALUES:
   Fb=875 PSI, Fv=135 PSI, Ft=450 PSI, $Fc_{\parallel}$ =1,150 PSI AND E=1,400,00 PSI.
   SPECIALTY TIMBER HEADER:
   WHITE OAK NO. 2 OR BETTER WITH MINIMUM DESIGN VALUES:
   Fb=600 PSI, Fv=205 PSI, Ft=400 PSI, $Fc_{\parallel}$ =400 PSI AND E=800,00 PSI.
4. ROOF SHEATHING AT CETA BUILDING IS DESIGNED TO ACT AS A DIAPHRAGM.
5. PROVIDE NAILING (OTHER THAN ROOF DIAPHRAGM) IN ACCORDANCE WITH TABLE 2304.9.1 OF THE 2015 INTERNATIONAL BUILDING CODE UNLESS NOTED OTHERWISE.
6. CONNECTION HARDWARE TO HAVE MINIMUM ALLOWABLE CAPACITIES AS INDICATED. INSTALL IN ACCORDANCE WITH THE MANUFACTURER'S PRINTED INSTRUCTIONS. DESIGN BASED ON SIMPSON STRONG TIE PRODUCTS. ALTERNATE DESIGNS THAT MEET OR EXCEED THE REQUIRED DESIGN CAPACITIES ARE PERMITTED.
7. BOLT HEADS AND NUTS BEARING ON WOOD TO HAVE STANDARD CUT WASHERS. DRILL BOLT HOLES 1/32-INCH IN DIAMETER LARGER THAN BOLT DIAMETER.
8. BASIS OF DESIGN FOR CLT CONNECTION HARDWARE IS BASED ON SIMPSON STRONG-TIE PRODUCTS. ALTERNATE PRODUCTS WITH EQUAL OR GREATER CAPACITIES ARE ACCEPTABLE. SUBMIT ALTERNATE PRODUCTS FOR REVIEW.

MICROPILE NOTES

1. LOCATION OF MICROPILES ARE INDICATED ON SHEET SB103.
2. INCREASE MICROPILE DESIGN WALL THICKNESS BY 1/16-INCH TO ACCOUNT FOR CORROSION LOSS.
3. DEPTH OF DRILLED MICROPILE TO BE DETERMINED BY PILE INSTALLATION SUBCONTRACTOR. MINIMUM EMBEDMENT INTO SOLID BEDROCK IS 5'-0".
4. SUBMIT MICROPILE INSTALLATION PLAN AND DESIGN CALCULATIONS SIGNED AND SEALED BY A LICENSED PROFESSIONAL ENGINEER IN THE STATE OF MAINE FOR REVIEW PRIOR TO INSTALLATION OF PILES.
5. MICROPILE CASING SHALL EXTEND AT LEAST 8" INTO THE PILE CAP WITH ADDITIONAL REINFORCING EMBEDMENT TO PROVIDE FULL BEARING CAPACITY AND NOMINAL TENSILE CAPACITY.
6. PERFORM ONE ACCEPTABLE MICROPILE COMPRESSION LOAD TEST AND ONE TENSION LOAD TEST IN ACCORDANCE WITH ASTM D1143. DO NOT LOAD MICROPILES UNTIL THE CEMENT GROUT HAS ATTAINED ITS FULL DESIGN STRENGTH. PILE TEST LOCATION TO BE DETERMINED BY ENGINEER OF RECORD FOR THE DESIGN OF THE DRILLED PILE SYSTEM.
7. PERFORM CONTINUOUS SPECIAL INSPECTIONS DURING PILE INSTALLATION OPERATIONS. REFER TO SPECIFICATION SECTION 01 45 35 FOR REQUIREMENTS. SUBMIT INSPECTION REPORTS TO THE OWNER WITHIN 48 HOURS OF COMPLETING INSPECTION.



1 S-001 **TYP POUR STOP DETAIL**
SCALE: 3" = 1'-0"

TEMPORARY SHORING/BRACING NOTES FOR THE EXISTING BRICK MASONRY WALLS

1. PROVIDE TEMPORARY SHORING/BRACING OF EXISTING PERIMETER UNREINFORCED MASONRY WALLS AND THE EXISTING PERIMETER BASEMENT FOUNDATION WALLS.
2. SUBMIT TEMPORARY BRACING/SHORING PLANS AND DESIGN CALCULATIONS SIGNED AND SEALED BY THE LICENSED PROFESSIONAL ENGINEER RESPONSIBLE FOR THEIR PREPARATION PRIOR TO START OF WORK.
3. TEMPORARY BRACING/SHORING MUST BE DESIGNED FOR THE FOLLOWING FORCES:
   A. WIND PRESSURES ACTING PERPENDICULAR TO THE EXISTING EXTERIOR WALLS (WITH EXISTING FLOOR FRAMING REMOVED) FOR THE WIND VELOCITY, RISK CATEGORY AND EXPOSURE INDICATED ON SHEET S-002. INTERNAL WIND PRESSURES MUST INCLUDE MODIFICATIONS TO EXTERNAL WIND PRESSURE COEFFICIENT C DUE TO ANY OPENINGS IN ROOF STRUCTURE MADE FOR INSTALLATION OF FRAMING. REDUCTION FOR SHORT TERM LOADING PER ASCE 37 MAY BE APPLIED.
   B. SEISMIC FORCES ACTING PERPENDICULAR TO THE WALLS FOR THE GROUND ACCELERATIONS AND SITE CLASS INDICATED ON SHEET S-002.
   C. EXISTING FLOOR DEAD LOAD AND CONSTRUCTION LIVE LOADS THAT MAY ACT ON SHORING/BRACING SYSTEM.
4. DESIGN MUST INCLUDE ALL ASSOCIATED CONNECTIONS TO THE EXISTING WALLS AND ASSOCIATED TEMPORARY FOUNDATIONS OR ANCHORAGE POINTS WITH THE EXISTING STRUCTURE.
5. DESIGN MUST INCLUDE METHODS OF PATCHING/REPAIRING WALLS AT CONNECTIONS POINTS TO MATCH EXISTING AS APPROVED BY THE OWNER.
6. PREPARATION OF SHORING/BRACING PLAN MUST INCLUDE COORDINATION WITH THE DEMOLITION OF EXISTING FLOOR FRAMING AS INDICATED ON SHEETS D-101, D-102, D-201, AND D-221.
7. TEMPORARY BRACING/SHORING PLAN MUST INCLUDE THE SEQUENCE OF THE ERECTION OF TEMPORARY SHORING/BRACING AND SEQUENCE OF DEMOLITION OF EXISTING FLOOR FRAMING.
8. INSTALLATION OF TEMPORARY SHORING/BRACING MUST BE COORDINATED WITH INSTALLATION OF FLOOR FRAMING INCLUDING CROSS LAMINATED TIMBER FLOORS/TOPPING SLABS AND ANCHORAGE TO PERIMETER UN-REINFORCED MASONRY.
9. CROSS LAMINATED TIMBER FLOORS/TOPPING SLABS AND ASSOCIATED ANCHORAGE TO PERIMETER UN-REINFORCED MASONRY WALLS WILL PROVIDE PERMANENT BRACING OF THE WALLS.
10. DEMOLITION OF EXISTING FRAMING MUST NOT START UNTIL TEMPORARY SHORING/BRACING PLAN HAS BEEN REVIEWED AND APPROVED BY THE OWNER.
11. DEMOLITION OF EXISTING FRAMING MUST NOT START UNTIL TEMPORARY SHORING/BRACING INSTALLATION HAS BEEN REVIEWED AND APPROVED BY THE BRACING/SHORING ENGINEER OF RECORD.
12. TEMPORARY SHORING/BRACING MUST REMAIN IN PLACE UNTIL PERMANENT WALL BRACING IS IN PLACE AS APPROVED BY THE BRACING/SHORING ENGINEER OF RECORD AND OWNER.

GENERAL NOTES

1. PROVIDE TEMPORARY SUPPORT OF FRAMING DURING CONSTRUCTION TO PREVENT FAILURE AND DAMAGE.
2. COORDINATE THE LOCATION OF CONCRETE AND STEEL MEMBERS WITH ARCHITECTURAL, CIVIL, MECHANICAL, PLUMBING, FIRE PROTECTION, SECURITY, COMMUNICATIONS, AND ELECTRICAL PLANS AND DETAILS.
3. COORDINATE THE REQUIRED TESTS AND INSPECTIONS THAT ARE TO BE COMPLETED AND SUBMITTED PRIOR TO ACCEPTANCE OF COMPLETED WORK. MATERIAL PLACED WITHOUT THE REQUIRED QUALITY CONTROL TESTS OR REQUIRED INSPECTIONS BEING PERFORMED WILL NOT BE ACCEPTED. TESTS AND INSPECTIONS PERFORMED BY OWNER'S INSPECTION/TESTING AGENCY.
4. CONSTRUCTION IS SUBJECT TO SPECIAL INSPECTIONS IN ACCORDANCE WITH CHAPTER 17 OF IBC 2015. NOTIFY THE OWNER OF IDENTIFIED DEFICIENCIES. NOTIFY THE OWNER AFTER DEFICIENCIES HAVE BEEN CORRECTED.
5. NO DEVIATIONS FROM CONTRACT DRAWINGS ARE PERMITTED.
6. REFER TO CIVIL DRAWINGS REGARDING INFORMATION AND LIMITATIONS PERTINENT TO SITE SUBSURFACE SOIL CONDITIONS.

REINFORCED CONCRETE REINFORCING STEEL LAP SPLICE SCHEDULE

BAR SIZE	MINIMUM LAP LENGTH
#4	2'-5"
#5	3'-0"
#6	3'-0"
#7	3'-9"
#8	4'-6"
#9	5'-1"

NOTES:

1. LAP SPLICE LENGTH MUST BE AS SHOWN ABOVE UNLESS NOTED OTHERWISE.
2. INCREASE SPLICE LENGTH BY 1.3 FACTOR FOR HORIZONTAL REINFORCEMENT WITH MORE THAN 12" OF FRESH CONRETE CAST BELOW.

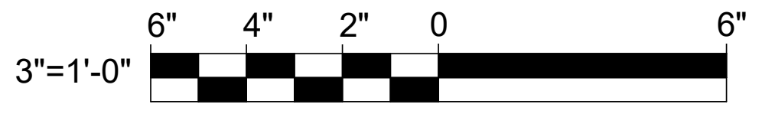
POUR STOP SCHEDULE

OVERHANG (IN)	GAGE
0-1	20
2-3	18
4-5	16
6-7	14
8-9	12
10-11	10

NOTES:

1. SEE DETAIL 1/S-001.

GRAPHIC SCALE



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NO.	DATE	DESCRIPTION	BY
2	03/06/2035	ADDENDUM NO. 5	DNM
1	02/28/2025	ADDENDUM NO. 3	DNM

REVISIONS

DAVID N. MARTIN
No. 6622

DRAWN BY: MJC
CHECK BY: DNM
NO.
DATE 01/29/2025

DEPARTMENT OF INLAND FISHERIES & WILDLIFE
TITLE NEW OFFICE HEADQUARTERS
LOCATION AUGUSTA, ME
TITLE THIS DWG. STRUCTURAL NOTES

OAK POINT ASSOCIATES
ARCHITECTURE ■ ENGINEERING ■ PLANNING
231 Main Street, Biddeford, Maine 04005 207.283.0193

DRAWING NO. S-001
SHEET NO. 45 OF 239

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STRUCTURAL ABBREVIATIONS:

±	PLUS OR MINUS
∠, L	ANGLE
ACI	AMERICAN CONCRETE INSTITUTE
AESS	ARCHITECTURAL EXPOSED STRUCTURAL STEEL
AFF	ABOVE FINISH FLOOR
AISI	AMERICAN IRON AND STEEL INSTITUTE
AITC	AMERICAN INSTITUTE OF TIMBER CONSTRUCTION
ALT	ALTERNATE
APA	AMERICAN PLYWOOD ASSOCIATION
ARCH	ARCHITECTURAL
ASCE	AMERICAN SOCIETY OF CIVIL ENGINEERS
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
AWS	AMERICAN WELDING SOCIETY
BGBE	BOTTOM OF GRADE BEAM ELEVATION
BF	BRACED FRAME
BFE	BOTTOM OF FOOTING ELEVATION
BLDG	BUILDING
BP	BASE PLATE
BPCE	BOTTOM OF PILE CAP ELEVATION
BSE	BRICK/BLOCK SHELF ELEVATION
CF	COMBINED FOOTING
CJ	CONTROL JOINT
℄	CENTERLINE
CLG	CEILING
CLT	CROSS LAMINATED TIMBER
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
CONN	CONNECTION
CONT	CONTINUOUS
DIA	DIAMETER
DWG	DRAWING
E	MODULUS OF ELASTICITY
EA	EACH
EJ	EXPANSION JOINT
ELEC	ELECTRICAL
ELEV	ELEVATION
EOD	EDGE OF DECK
EOS	EDGE OF SLAB
EQ	EQUAL
EQUIP	EQUIPMENT
EXIST	EXISTING
EXT	EXTERIOR
F'c	CONCRETE COMPRESSIVE STRENGTH
F'm	MASONRY COMPRESSIVE STRENGTH
FND	FOUNDATION
FTG	FOOTING
Fy	YIELD STRESS
GA	GAUGE
GALV	GALVANIZED
GYP BD	GYPSUM BOARD
HGT	HEIGHT
HORIZ	HORIZONTAL
HSS	HOLLOW STRUCTURAL SECTION
IBC	INTERNATIONAL BUILDING CODE
IN	INCH
INSUL	INSULATION
INV	INVERT
K	KIPS
KSI	KIPS PER SQUARE INCH
LBS	POUNDS
MAX	MAXIMUM
MECH	MECHANICAL
MF	MOMENT FRAME
MFR	MANUFACTURER
MIN	MINIMUM
MO	MASONRY OPENING
MPH	MILES PER HOUR
MTL	METAL
NA	NOT APPLICABLE
#, NO	NUMBER
OC	ON CENTER
OPNG	OPENING
PCF	POUNDS PER CUBIC FOOT
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
RCSC	RESEARCH COUNCIL ON STRUCTURAL CONNECTIONS
REINF	REINFORCED
REQ'D	REQUIRED
SAT	SUSPENDED ACOUSTICAL TILE
SIM	SIMILAR
STL	STEEL
TMS	THE MASONRY SOCIETY
TOS	TOP OF STEEL
TPE	TOP OF PIER ELEVATION
TSE	TOP OF SHELF ELEVATION
TWE	TOP OF WALL ELEVATION
TYP	TYPICAL
VERT	VERTICAL
W/	WITH
WP	WORKING POINT
WWF	WELDED WIRE FABRIC

BUILDING DESIGN LOADS (EXISTING BUILDING)

ROOF SNOW LOAD (ROOF LIVE LOAD) ASCE 7-10/IBC 2015

GROUND SNOW LOAD (Pg) = 70 PSF

SNOW EXPOSURE FACTOR (Ce) = 1.0
SNOW LOAD ROOF SLOPE FACTOR (Cs) = 1.0
SNOW LOAD THERMAL FACTOR (Ct) = 1.1
SNOW LOAD IMPORTANCE FACTOR (I) = 1.00

BALANCED ROOF SNOW LOAD (Pf) = 56 PSF
SNOW DRIFTING (Pd) = VARIES, SEE SHEET S-005

ROOF DEAD LOAD = 18 PSF

FLOOR DEAD LOAD = 58 PSF

FLOOR LIVE LOADS:
OFFICE = 50 PSF + 15 PSF (PARTITIONS)
FIRST FLOOR CORRIDOR = 100 PSF
SECOND FLOOR CORRIDOR = 80 PSF

1

ESTIMATED EXISTING ELEVATED FLOOR SLAB DEAD LOAD = 35 PSF
ESTIMATED EXISTING ELEVATED FLOOR SLAB LIVE LOAD CAPACITY = 20 PSF

WIND LOAD ASCE 7-10/IBC 2015

BASIC WIND SPEED V_{ULT} = 109 MPH
BASIC WIND SPEED V_{ASD} = 85 MPH
WIND RISK CATEGORY = II
WIND EXPOSURE = EXPOSURE C
BUILDING TYPE = "ENCLOSED"
WIND DESIGN PRESSURE:
MAIN WIND FORCE RESISTING SYSTEM = 30 PSF
(MAXIMUM PRESSURE)

SEISMIC DESIGN DATA ASCE 7-10/IBC 2015

SHORT PERIOD SPECTRAL RESPONSE ACCELERATION (Ss) = 0.317
ONE SECOND SPECTRAL RESPONSE ACCELERATION (S_1) = 0.078
OCCUPANCY CATEGORY = II
SEISMIC DESIGN CATEGORY = B
SEISMIC IMPORTANCE FACTOR = 1.00
SITE CLASS = D
TOTAL BASE SHEAR = 217 KIPS

BASIC STRUCTURAL SYSTEM

INTERMEDIATE REINFORCED CONCRETE MASONRY SHEAR WALLS
RESPONSE MODIFICATION COEFFICIENT (R) = 3.50
DEFLECTION AMPLIFICATION FACTOR (Cd) = 2.25
SYSTEM OVER STRENGTH FACTOR (Ωo) = 2.50

STEEL BRACED FRAMES (NOT DETAILED)
RESPONSE MODIFICATION COEFFICIENT (R) = 3.00
DEFLECTION AMPLIFICATION FACTOR (Cd) = 3.00
SYSTEM OVER STRENGTH FACTOR (Ωo) = 3.00

ANALYSIS PROCEDURE = EQUIVALENT LATERAL FORCE PROCEDURE

DESIGN SOIL BEARING PRESSURE = 1,500 PSF

MECHANICAL EQUIPMENT MAXIMUM WEIGHTS USED IN DESIGN:

MAXIMUM MECHANICAL UNIT DEAD LOAD MUST NOT EXCEED 50 POUNDS PER SQUARE FOOT (PSF).

NOTES:

1. SEISMIC LOAD RESISTING SYSTEM CONSISTS OF THE FOLLOWING:
   - A. VERTICAL ELEMENTS - REINFORCED CONCRETE MASONRY SHEAR WALLS AND STEEL BRACED FRAMES (NOT DETAILED).
   - B. HORIZONTAL ELEMENTS - COMPOSITE STEEL DECK AND CONCRETE SLAB DIAPHRAGMS.
   - C. COLLECTOR ELEMENTS - BEAMS WHERE INDICATED.

BUILDING DESIGN LOADS (NEW BUILDINGS)

ROOF SNOW LOAD (ROOF LIVE LOAD) ASCE 7-10/IBC 2015

GROUND SNOW LOAD (Pg) = 70 PSF

SNOW EXPOSURE FACTOR (Ce) = 1.0
SNOW LOAD ROOF SLOPE FACTOR (Cs) = 1.0
SNOW LOAD THERMAL FACTOR (Ct) = 1.1
SNOW LOAD IMPORTANCE FACTOR (I) = 1.0

BALANCED ROOF SNOW LOAD (Pf) = 56 PSF
SNOW DRIFTING (Pd) = VARIES, SEE SHEET S-005

ROOF DEAD LOAD = 18 PSF

FLOOR DEAD LOAD = 58 PSF

FLOOR LIVE LOADS:
OFFICE = 50 PSF + 15 PSF (PARTITIONS)
STORAGE = 125 PSF
FIRST FLOOR CORRIDOR = 100 PSF
SECOND FLOOR CORRIDOR = 80 PSF

WIND LOAD ASCE 7-10/IBC 2015

BASIC WIND SPEED V_{ULT} = 109 MPH
BASIC WIND SPEED V_{ASD} = 85 MPH
WIND RISK CATEGORY = II
WIND EXPOSURE = EXPOSURE C
BUILDING TYPE = "ENCLOSED"
WIND DESIGN PRESSURE:
MAIN WIND FORCE RESISTING SYSTEM = 24 PSF
(MAXIMUM PRESSURE)

SEISMIC DESIGN DATA ASCE 7-10/IBC 2015

SHORT PERIOD SPECTRAL RESPONSE ACCELERATION (Ss) = 0.317
ONE SECOND SPECTRAL RESPONSE ACCELERATION (S_1) = 0.078
OCCUPANCY CATEGORY = II
SEISMIC DESIGN CATEGORY = B
SEISMIC IMPORTANCE FACTOR = 1.00
SITE CLASS = D
TOTAL BASE SHEAR = 295 KIPS (SOUTH ADDITION)
46 KIPS (NORTH ADDITION)

BASIC STRUCTURAL SYSTEM

INTERMEDIATE REINFORCED CONCRETE MASONRY SHEAR WALLS
RESPONSE MODIFICATION COEFFICIENT (R) = 3.50
DEFLECTION AMPLIFICATION FACTOR (Cd) = 2.25
SYSTEM OVER STRENGTH FACTOR (Ωo) = 2.50

CROSS LAMINATED TIMBER SHEAR WALLS
RESPONSE MODIFICATION COEFFICIENT (R) = 3.00
DEFLECTION AMPLIFICATION FACTOR (Cd) = 3.00
SYSTEM OVER STRENGTH FACTOR (Ωo) = 3.00

ANALYSIS PROCEDURE = EQUIVALENT LATERAL FORCE PROCEDURE

DESIGN SOIL BEARING PRESSURE = 1,500 PSF

MECHANICAL EQUIPMENT MAXIMUM WEIGHTS USED IN DESIGN:

MAXIMUM MECHANICAL UNIT DEAD LOAD MUST NOT EXCEED 50 POUNDS PER SQUARE FOOT (PSF).

NOTES:

1. SEISMIC LOAD RESISTING SYSTEM CONSISTS OF THE FOLLOWING:
   - A. VERTICAL ELEMENTS - REINFORCED CONCRETE MASONRY SHEAR WALLS AND CROSS LAMINATED TIMBER SHEAR WALLS.
   - B. HORIZONTAL ELEMENTS - CROSS LAMINATED TIMBER DIAPHRAGMS.
   - C. COLLECTOR ELEMENTS - BEAMS AND HORIZONTAL BRACES WHERE INDICATED.

BUILDING DESIGN LOADS (BRIDGE)

ROOF SNOW LOAD (ROOF LIVE LOAD) ASCE 7-10/IBC 2015

GROUND SNOW LOAD (Pg) = 70 PSF

SNOW EXPOSURE FACTOR (Ce) = 1.0
SNOW LOAD ROOF SLOPE FACTOR (Cs) = 1.0
SNOW LOAD THERMAL FACTOR (Ct) = 1.2
SNOW LOAD IMPORTANCE FACTOR (I) = 1.0

BALANCED ROOF SNOW LOAD (Pf) = 44 PSF

DEAD LOAD = 70 PSF

LIVE LOADS = 100 PSF

WIND LOAD ASCE 7-10/IBC 2015

BASIC WIND SPEED V_{ULT} = 109 MPH
BASIC WIND SPEED V_{ASD} = 85 MPH
WIND RISK CATEGORY = II
WIND EXPOSURE = EXPOSURE C
BUILDING TYPE = "ENCLOSED"
WIND DESIGN PRESSURE:
MAIN WIND FORCE RESISTING SYSTEM = 30 PSF
(MAXIMUM PRESSURE)

SEISMIC DESIGN DATA ASCE 7-10/IBC 2015

SHORT PERIOD SPECTRAL RESPONSE ACCELERATION (Ss) = 0.317
ONE SECOND SPECTRAL RESPONSE ACCELERATION (S_1) = 0.078
OCCUPANCY CATEGORY = II
SEISMIC DESIGN CATEGORY = B
SEISMIC IMPORTANCE FACTOR = 1.00
SITE CLASS = D
TOTAL BASE SHEAR = 11 KIPS

ANALYSIS PROCEDURE = EQUIVALENT LATERAL FORCE PROCEDURE

DESIGN SOIL BEARING PRESSURE = 1,500 PSF

2

STONE VENEER LINTEL SCHEDULE

LENGTH	LINTEL SIZE	END BEARING
≤ 4'-0"	∠ 3-1/2x3-1/2x1/4	8"
> 4'-0" TO 8'-6"	∠ 5x3-1/2x3/8 (LLV)	8"
> 8'-6" TO 11'-6"	∠ 6x4x3/8 (LLV)	8"

NOTE
GALVANIZE LINTELS.

NO.	DATE	DESCRIPTION	BY
2	03/06/2035	ADDENDUM NO. 5	DNM
1	02/28/2025	ADDENDUM NO. 3	DNM

REVISIONS

DAVID N. MARTIN
No. 6622
LICENSED PROFESSIONAL ENGINEER

DRAWN BY: MJC
CHECK BY: DNM
NO.
DATE 01/29/2025

DEPARTMENT OF INLAND FISHERIES & WILDLIFE

TITLE NEW OFFICE HEADQUARTERS
LOCATION AUGUSTA, ME
TITLE THIS DWG. STRUCTURAL DESIGN LOADS AND ABBREVIATIONS

OAK POINT ASSOCIATES
ARCHITECTURE ■ ENGINEERING ■ PLANNING
231 Main Street, Biddeford, Maine 04005 207.283.0193

DRAWING NO. S-002
SHEET NO. 46 OF 239

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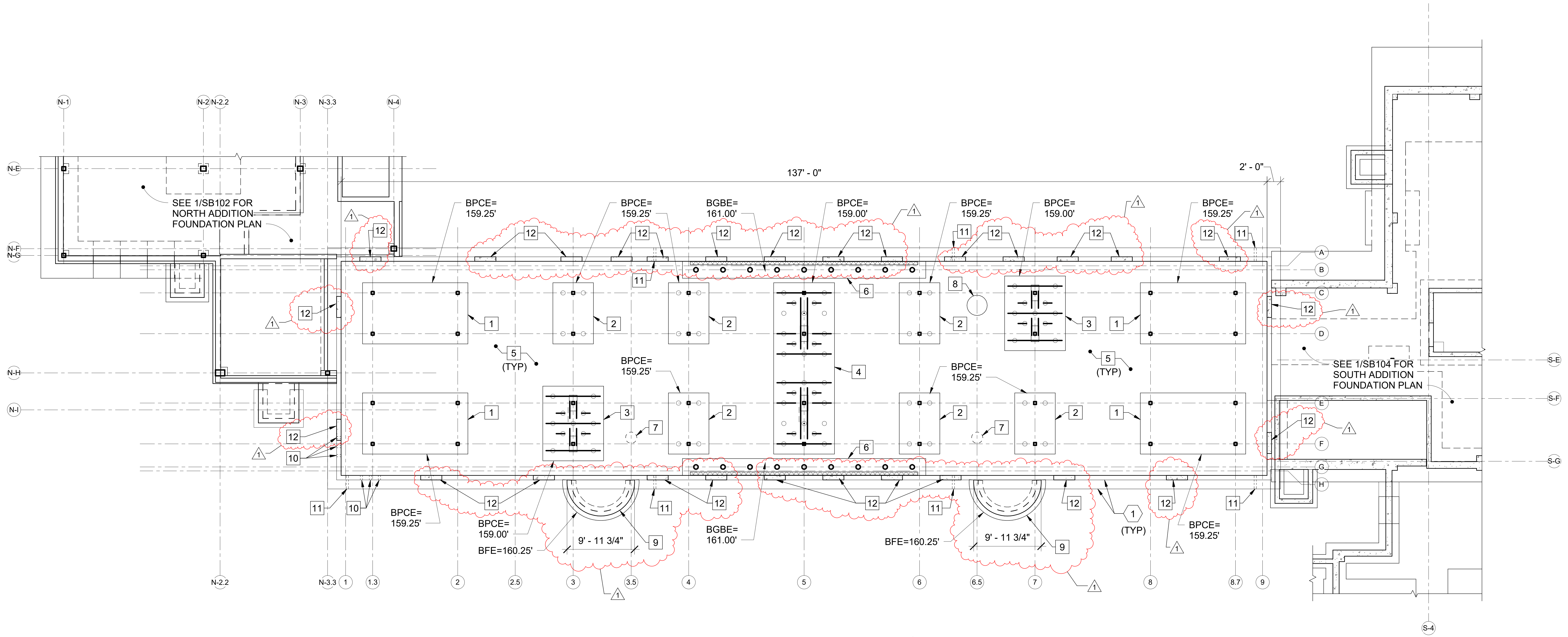


1 CENTER FOUNDATION PLAN
SB103 SCALE: 1/8" = 1'-0"
SB101, SB104

PLAN
NORTH

GENERAL NOTES (THIS SHEET ONLY)

1. REFER TO SHEET SB101 FOR SLAB CONTROL JOINTS AND EXPANSION JOINT LAYOUTS.
2. REFER TO PLUMBING DRAWINGS FOR FLOOR DRAIN LOCATIONS IN SLABS. PITCH SLAB-ON-GROUND TO FLOOR DRAINS AS REQUIRED.
3. PROVIDE FOUNDATION WALL AND SLAB-ON-GROUND CONSTRUCTION JOINTS AT EACH EDGE OF CONCRETE PLACEMENT IN ACCORDANCE WITH DETAILS 3/SB101 AND 5/SB502.
4. REFER TO SHEET S-006 FOR COLUMN GRID SPACING.
5. TOP OF PILE CAP ELEVATION = 161.00'.

EXISTING KEYNOTES (THIS SHEET ONLY)

1 EXISTING TAPERED FOUNDATION WALL

KEYNOTES (THIS SHEET ONLY)

1 REINFORCED CONCRETE PILE CAP 1. SEE DETAIL 1/SB401.

2 REINFORCED CONCRETE PILE CAP 2. SEE DETAIL 2/SB401.

3 REINFORCED CONCRETE PILE CAP 3. SEE DETAIL 3/SB401.

4 REINFORCED CONCRETE PILE CAP 4. SEE DETAIL 4/SB401.

5 6" REINFORCED CONCRETE SLAB-ON-GROUND WITH 6x6, W2.9xW2.9 WELDED WIRE FABRIC. TOP OF SLAB ELEVATION = 161.00'.

6 2'-0"x2'-6" REINFORCED CONCRETE GRADE BEAM. SEE DETAIL 8/SB401.

7 RADON PIT. SEE DETAIL 3/SB502.

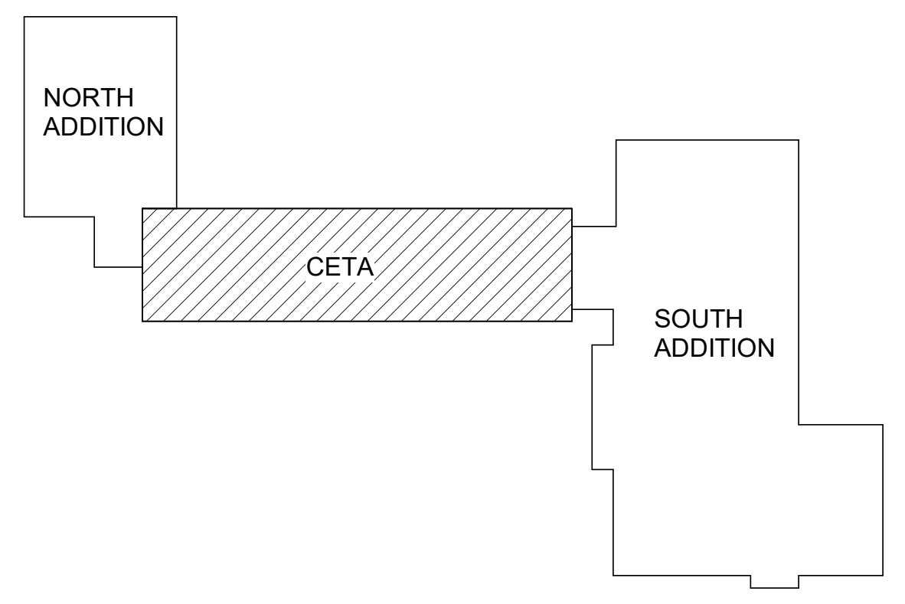
8 SUMP PIT. COORDINATE WITH PLUMBING PLANS AND DETAIL 8/P-501.

9 REINFORCED CONCRETE STOOP AT GRANITE STOOP AT PORTICO. COORDINATE WITH CIVIL, LANDSCAPE AND ARCHITECTURAL PLANS. SEE DETAIL 10/SB501 (SIMILAR), 12/AE404, AND 13/AE404.

10 CORE/SLEEVE HOLE IN FOUNDATION WALL FOR UTILITY PENETRATION. COORDINATE EXACT, SIZE, LOCATION, ELEVATION, AND QUANTITY WITH CIVIL, PLUMBING, AND ELECTRICAL PLANS.

11 FOUNDATION DRAIN BELOW EXISTING TAPERED FOUNDATION WALL. COORDINATE WITH 1/CU102 AND DETAIL 4/CU102.

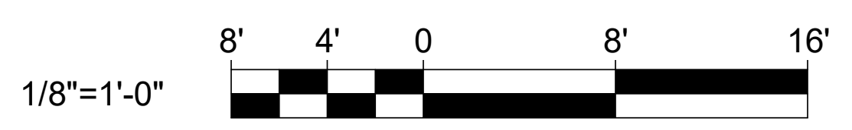
1 12 REINFORCED CONCRETE FOUNDATION WALL INFILL AT EXISTING WINDOW OPENINGS. MATCH PROFILE OF EXISTING ADJACENT FOUNDATION WALL. SEE DETAIL 7/SB503.



KEYPLAN
NOT TO SCALE

PLAN
NORTH

GRAPHIC SCALE



CHECK GRAPHIC SCALE BEFORE USING

NO.	DATE	DESCRIPTION	BY
1	03/06/2035	ADDENDUM NO. 5	DNM

REVISIONS

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NO.
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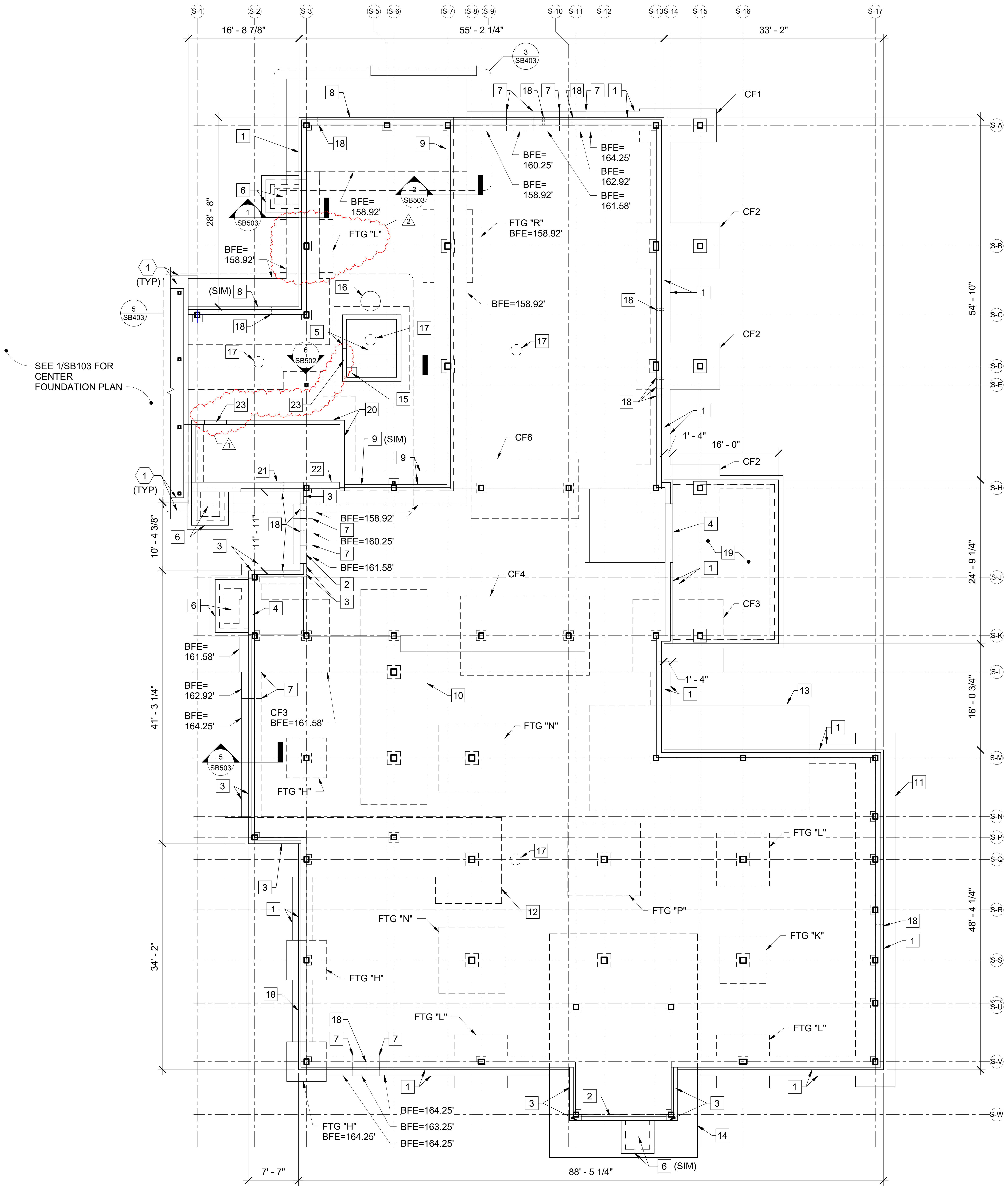
DEPARTMENT OF INLAND FISHERIES & WILDLIFE
TITLE NEW OFFICE HEADQUARTERS
LOCATION AUGUSTA, ME
TITLE THIS DWG. CENTER FOUNDATION PLAN

OAK POINT ASSOCIATES
ARCHITECTURE ■ ENGINEERING ■ PLANNING
231 Main Street, Biddeford, Maine 04005 207.283.0193

DRAWING NO. SB103
SHEET NO. 54 OF 239



1 SOUTH ADDITION FOUNDATION PLAN

SB104 SCALE: 1/8" = 1'-0"

SB101, SB103

PLAN NORTH

GENERAL NOTES (THIS SHEET ONLY)

1. REFER TO SHEET SB101 FOR SLAB CONTROL JOINTS AND EXPANSION JOINT LAYOUTS.
2. REFER TO SHEET SB102 FOR FOOTING SCHEDULES.
3. REFER TO SHEET SF604 FOR COLUMN BASE PLATE DETAILS.
4. REFER TO PLUMBING DRAWINGS FOR FLOOR DRAIN LOCATIONS IN SLABS. PITCH SLAB-ON-GROUND TO FLOOR DRAINS AS REQUIRED.
5. BOTTOM OF THE EXTERIOR AND INTERIOR CONTINUOUS FOUNDATION WALL FOOTINGS, EXTERIOR SPREAD FOOTINGS, AND EXTERIOR COMBINED FOOTINGS SHALL BE 164.25', UNLESS NOTED OTHERWISE.
6. BOTTOM OF ISOLATED AND COMBINED INTERIOR COLUMN FOOTINGS SHALL BE 164.25', UNLESS NOTED OTHERWISE.
7. TOP OF EXTERIOR FOUNDATION WALL SHALL BE 170.00', UNLESS NOTED OTHERWISE. COORDINATE INTEGRAL SHELF ELEVATIONS WITH FOUNDATION PLAN AND DETAILS.
8. REFER TO SHEET SB404 FOR ENLARGED PIER PLANS.
9. PROVIDE FOUNDATION WALL AND SLAB-ON-GROUND CONSTRUCTION JOINTS AT EACH EDGE OF CONCRETE PLACEMENT IN ACCORDANCE WITH DETAILS 3/SB101 AND 5/SB502.
10. REFER TO SHEET S-006 FOR COLUMN GRID SPACING.
11. PROVIDE CONTROL JOINTS IN FOUNDATION WALLS LOCATED BELOW STONE VENEER CONTROL JOINTS AND AT A MAXIMUM SPACING OF 20'-0". COORDINATE WITH ARCHITECTURAL WALL ELEVATIONS FOR LOCATION OF CONTROL JOINTS. CONTROL JOINTS SHALL BE MADE BY 3/4" x 3/4" INSERTS ATTACHED TO FOUNDATION WALL FORMWORK.

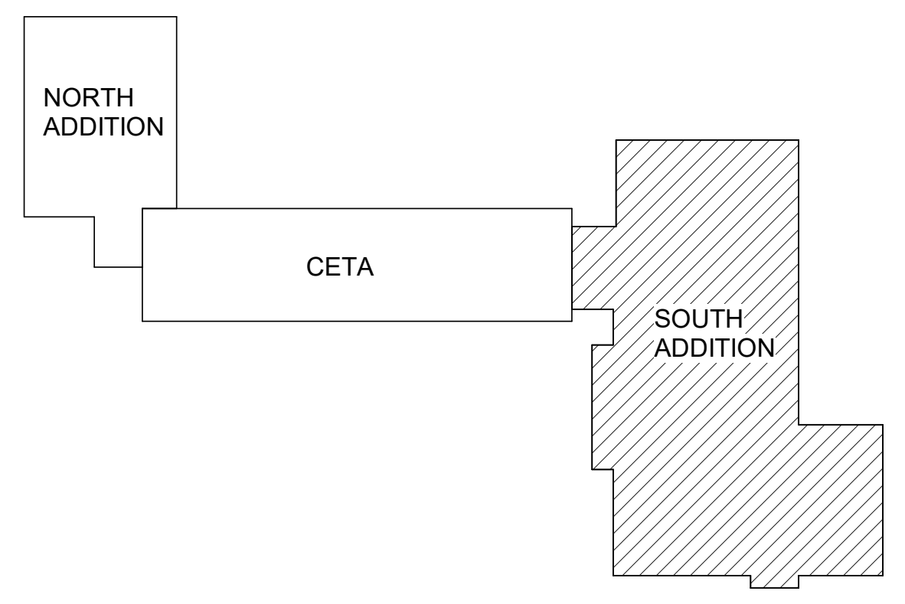
EXISTING KEYNOTES (THIS SHEET ONLY)

1	EXISTING TAPERED FOUNDATION WALL

KEYNOTES (THIS SHEET ONLY)

1	1'-2" REINFORCED CONCRETE FOUNDATION WALL AND FOOTING. SEE DETAIL 1/SB501 (SIMILAR).
2	11" REINFORCED CONCRETE FOUNDATION WALL AT CURTAIN WALL. SEE DETAIL 5/SB503 (SIMILAR).
3	11" REINFORCED CONCRETE FOUNDATION WALL AND FOOTING. SEE DETAIL 5/SB503.
4	REINFORCED CONCRETE FOUNDATION WALL AT STOREFRONT.
5	REINFORCED CONCRETE ELEVATOR PIT. SEE DETAIL 6/SB502.
6	REINFORCED CONCRETE STOOP. SEE DETAIL 10/SB501 (SIMILAR).
7	STEP FOOTING. SEE DETAIL 4/SB502.
8	1'-2" REINFORCED CONCRETE RETAINING WALL AND FOOTING. SEE DETAIL 1/SB503.
9	1'-0" REINFORCED CONCRETE RETAINING WALL AND FOOTING. SEE DETAIL 2/SB503.
10	MAT FOOTING 1. SEE DETAIL 1/SB402.
11	MAT FOOTING 2. SEE DETAIL 2/SB402.
12	MAT FOOTING 3. SEE DETAIL 3/SB402
13	MAT FOOTING 4. SEE DETAIL 4/SB402.
14	MAT FOOTING 5. SEE DETAIL 2/SB403.
15	1'-6"x1'-6"x2'-0" DEEP REINFORCED CONCRETE SUMP PIT. SEE DETAIL 7/SB502.
16	SUMP PIT. COORDINATE WITH PLUMBING PLANS AND DETAIL 8/P-501.
17	RADON PIT. SEE DETAIL 3/SB502.
18	CORE/SLEEVE HOLE IN FOUNDATION WALL FOR UTILITY PENETRATION. COORDINATE EXACT SIZE, LOCATION, ELEVATION, AND QUANTITY WITH CIVIL, PLUMBING, AND ELECTRICAL PLANS.
19	REINFORCED CONCRETE STOOP AT GRANITE ENTRY PLAZA. COORDINATE WITH CIVIL AND LANDSCAPE PLANS. SEE DETAIL 10/SB501 (SIMILAR) AND 7/L-501.
20	8" REINFORCED CONCRETE FOUNDATION WALL. SEE DETAIL 5/SB501 (SIMILAR).
21	1'-6" REINFORCED CONCRETE FOUNDATION WALL. SEE DETAIL 6/SB503.
22	1'-0" REINFORCED CONCRETE FOUNDATION WALLL. SEE DETAIL 1/SB503 (SIMILAR).
23	AT OPENING IN REINFORCED CONCRETE WALL, PROVIDE ADDITIONAL (2) # 5'S HORIZONTAL ABOVE OPENING. EXTEND REINFORCING 1'-0" PAST EDGES OF OPENING.

1



KEYPLAN
NOT TO SCALE

PLAN NORTH

GRAPHIC SCALE

8' 4' 0 8' 16'

1/8"=1'-0"

CHECK GRAPHIC SCALE BEFORE USING

NO.	DATE	DESCRIPTION	BY
2	03/06/2035	ADDENDUM NO. 5	DNM
1	02/13/2025	ADDENDUM NO. 1	DNM

REVISIONS

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No. 6622

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NO.
DATE 01/29/2025

DEPARTMENT OF INLAND FISHERIES & WILDLIFE
TITLE NEW OFFICE HEADQUARTERS
LOCATION AUGUSTA, ME
TITLE THIS DWG. SOUTH ADDITION FOUNDATION PLAN

OAK POINT ASSOCIATES
ARCHITECTURE ■ ENGINEERING ■ PLANNING
231 Main Street, Biddeford, Maine 04005 207.283.0193

DRAWING NO. SB104
SHEET NO. 55 OF 239

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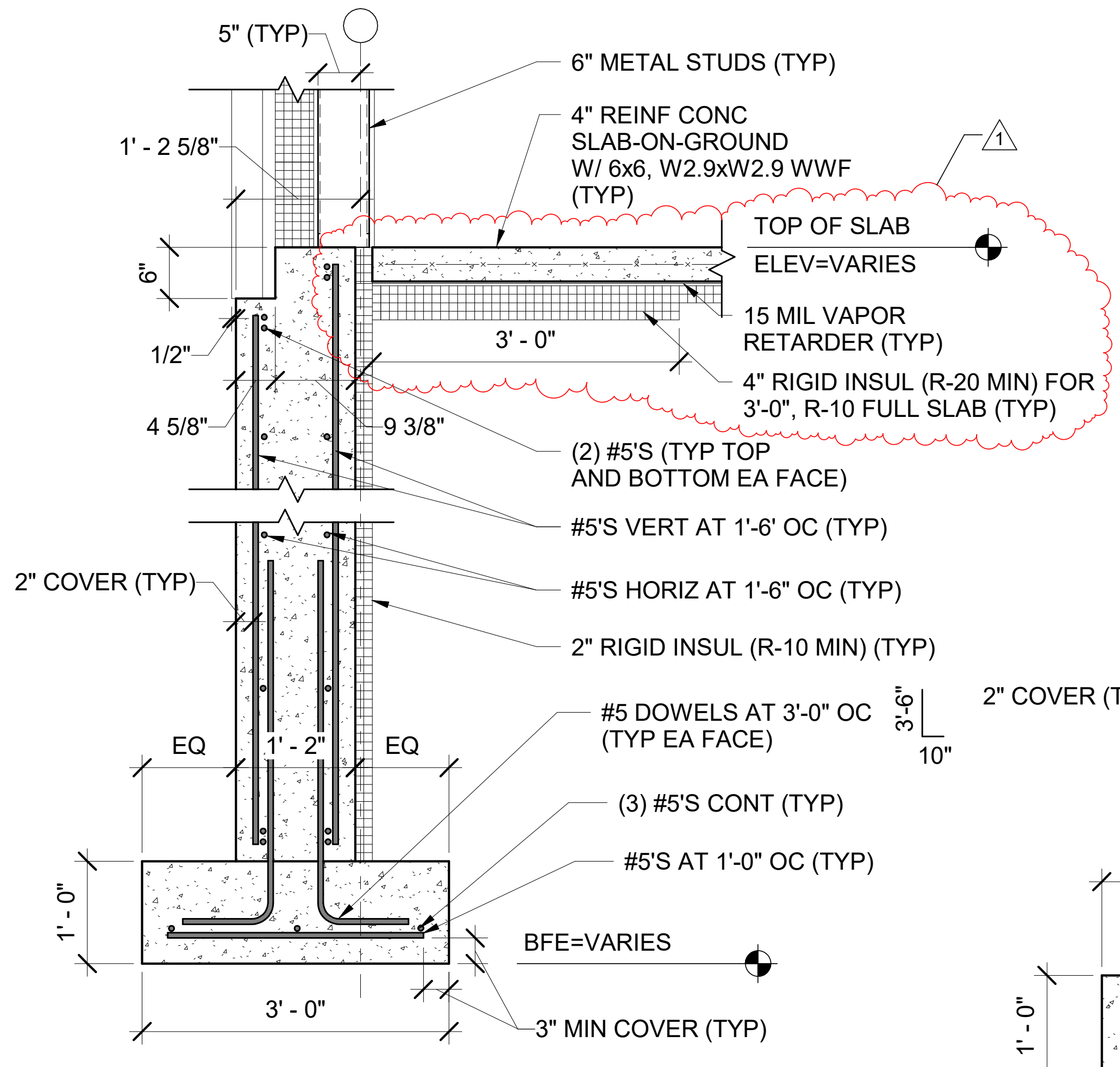
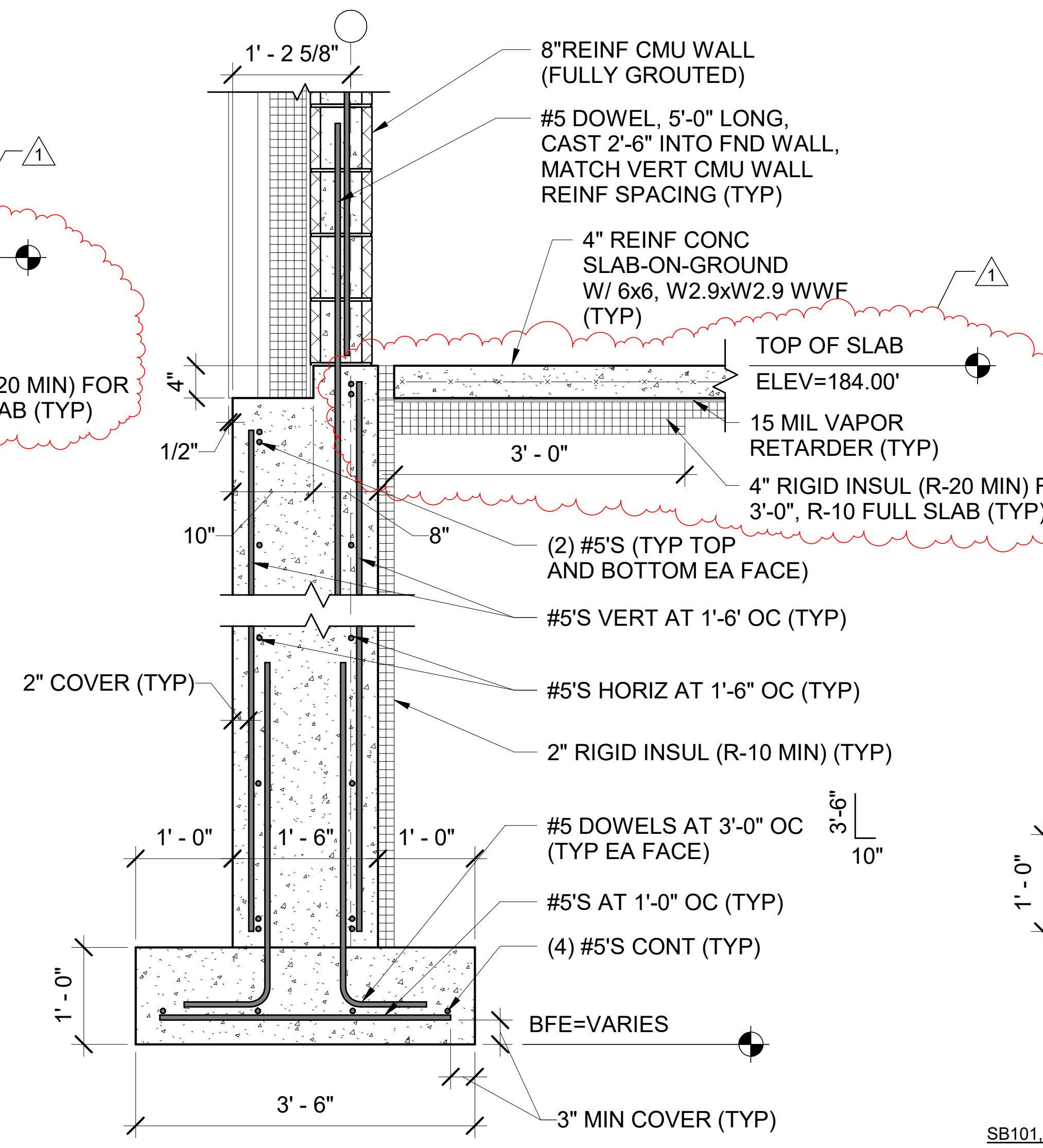

5" (TYP)
6" METAL STUDS (TYP)
1' - 2 5/8"
4" REINF CONC SLAB-ON-GROUND W/ 6x6, W2.9xW2.9 WWF (TYP)
1
TOP OF SLAB
ELEV=VARIES
6"
1/2"
3' - 0"
15 MIL VAPOR RETARDER (TYP)
4" RIGID INSUL (R-20 MIN) FOR 3'-0", R-10 FULL SLAB (TYP)
4 5/8"
9 3/8"
(2) #5'S (TYP TOP AND BOTTOM EA FACE)
#5'S VERT AT 1'-6' OC (TYP)
2" COVER (TYP)
#5'S HORIZ AT 1'-6" OC (TYP)
2" RIGID INSUL (R-10 MIN) (TYP)
#5 DOWELS AT 3'-0" OC (TYP EA FACE)
3'-6"
10"
EQ
1' - 2"
EQ
(3) #5'S CONT (TYP)
#5'S AT 1'-0" OC (TYP)
1' - 0"
BFE=VARIES
3' - 0"
3" MIN COVER (TYP)

1 1'-2" REINF CONC FND WALL DETAIL 1

SB501 SCALE: 3/4" = 1'-0"

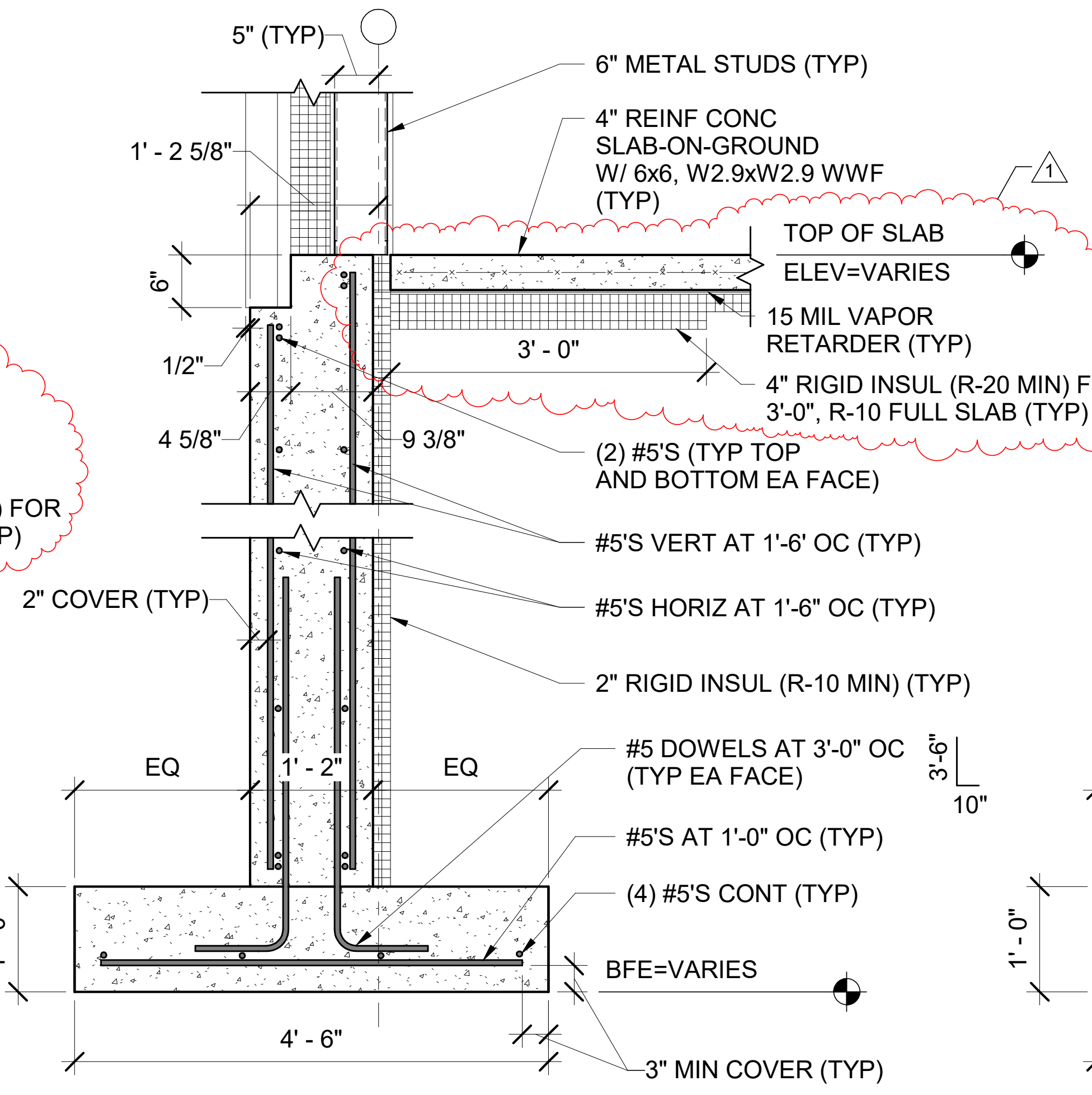
SB102, SB104, SB105, SB501


1' - 2 5/8"
8"REINF CMU WALL (FULLY GROUTED)
#5 DOWEL, 5'-0" LONG, CAST 2'-6" INTO FND WALL, MATCH VERT CMU WALL REINF SPACING (TYP)
4" REINF CONC SLAB-ON-GROUND W/ 6x6, W2.9xW2.9 WWF (TYP)
1
TOP OF SLAB
ELEV=184.00'
15 MIL VAPOR RETARDER (TYP)
4" RIGID INSUL (R-20 MIN) FOR 3'-0", R-10 FULL SLAB (TYP)
4"
1/2"
3' - 0"
10"
8"
(2) #5'S (TYP TOP AND BOTTOM EA FACE)
#5'S VERT AT 1'-6' OC (TYP)
2" COVER (TYP)
#5'S HORIZ AT 1'-6" OC (TYP)
2" RIGID INSUL (R-10 MIN) (TYP)
1' - 0"
1' - 6"
1' - 0"
#5 DOWELS AT 3'-0" OC (TYP EA FACE)
3'-6"
10"
#5'S AT 1'-0" OC (TYP)
(4) #5'S CONT (TYP)
1' - 0"
BFE=VARIES
3' - 6"
3" MIN COVER (TYP)

2 1'-6" REINF CONC FND WALL DETAIL AT VAULT CMU

SB501 SCALE: 3/4" = 1'-0"

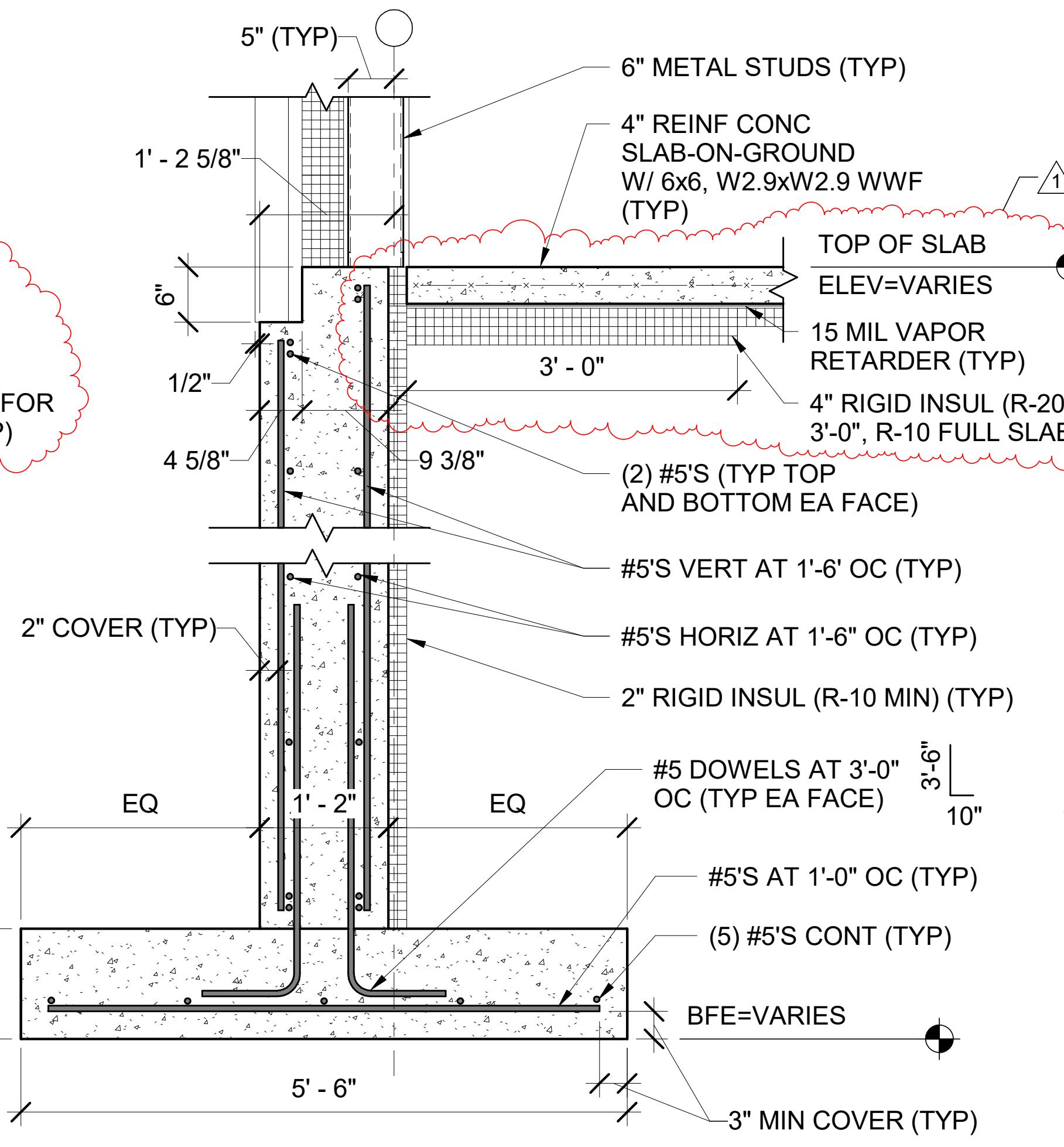
SB101, SB102


5" (TYP)
6" METAL STUDS (TYP)
1' - 2 5/8"
4" REINF CONC SLAB-ON-GROUND W/ 6x6, W2.9xW2.9 WWF (TYP)
1
TOP OF SLAB
ELEV=VARIES
6"
1/2"
3' - 0"
15 MIL VAPOR RETARDER (TYP)
4" RIGID INSUL (R-20 MIN) FOR 3'-0", R-10 FULL SLAB (TYP)
4 5/8"
9 3/8"
(2) #5'S (TYP TOP AND BOTTOM EA FACE)
#5'S VERT AT 1'-6' OC (TYP)
2" COVER (TYP)
#5'S HORIZ AT 1'-6" OC (TYP)
2" RIGID INSUL (R-10 MIN) (TYP)
#5 DOWELS AT 3'-0" OC (TYP EA FACE)
3'-6"
10"
EQ
1' - 2"
EQ
#5'S AT 1'-0" OC (TYP)
(4) #5'S CONT (TYP)
1' - 0"
BFE=VARIES
4' - 6"
3" MIN COVER (TYP)

3 1'-2" REINF CONC FND WALL DETAIL 2

SB501 SCALE: 3/4" = 1'-0"

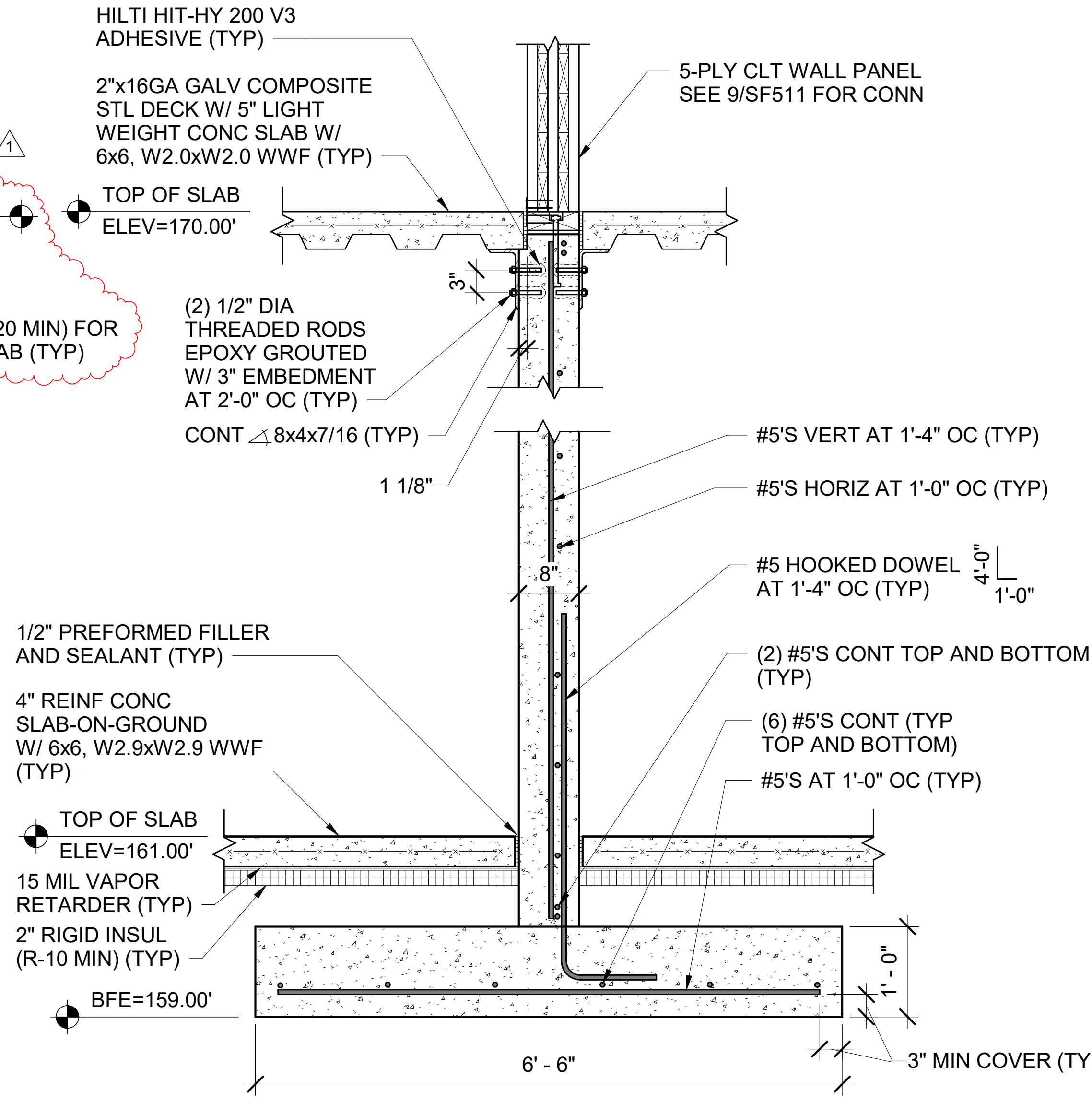
SB101, SB102


5" (TYP)
6" METAL STUDS (TYP)
1' - 2 5/8"
4" REINF CONC SLAB-ON-GROUND W/ 6x6, W2.9xW2.9 WWF (TYP)
1
TOP OF SLAB
ELEV=VARIES
6"
1/2"
3' - 0"
15 MIL VAPOR RETARDER (TYP)
4" RIGID INSUL (R-20 MIN) FOR 3'-0", R-10 FULL SLAB (TYP)
4 5/8"
9 3/8"
(2) #5'S (TYP TOP AND BOTTOM EA FACE)
#5'S VERT AT 1'-6' OC (TYP)
2" COVER (TYP)
#5'S HORIZ AT 1'-6" OC (TYP)
2" RIGID INSUL (R-10 MIN) (TYP)
#5 DOWELS AT 3'-0" OC (TYP EA FACE)
3'-6"
10"
EQ
1' - 2"
EQ
#5'S AT 1'-0" OC (TYP)
(5) #5'S CONT (TYP)
1' - 0"
BFE=VARIES
5' - 6"
3" MIN COVER (TYP)

4 1'-2" REINF CONC FND WALL DETAIL 3

SB501 SCALE: 3/4" = 1'-0"

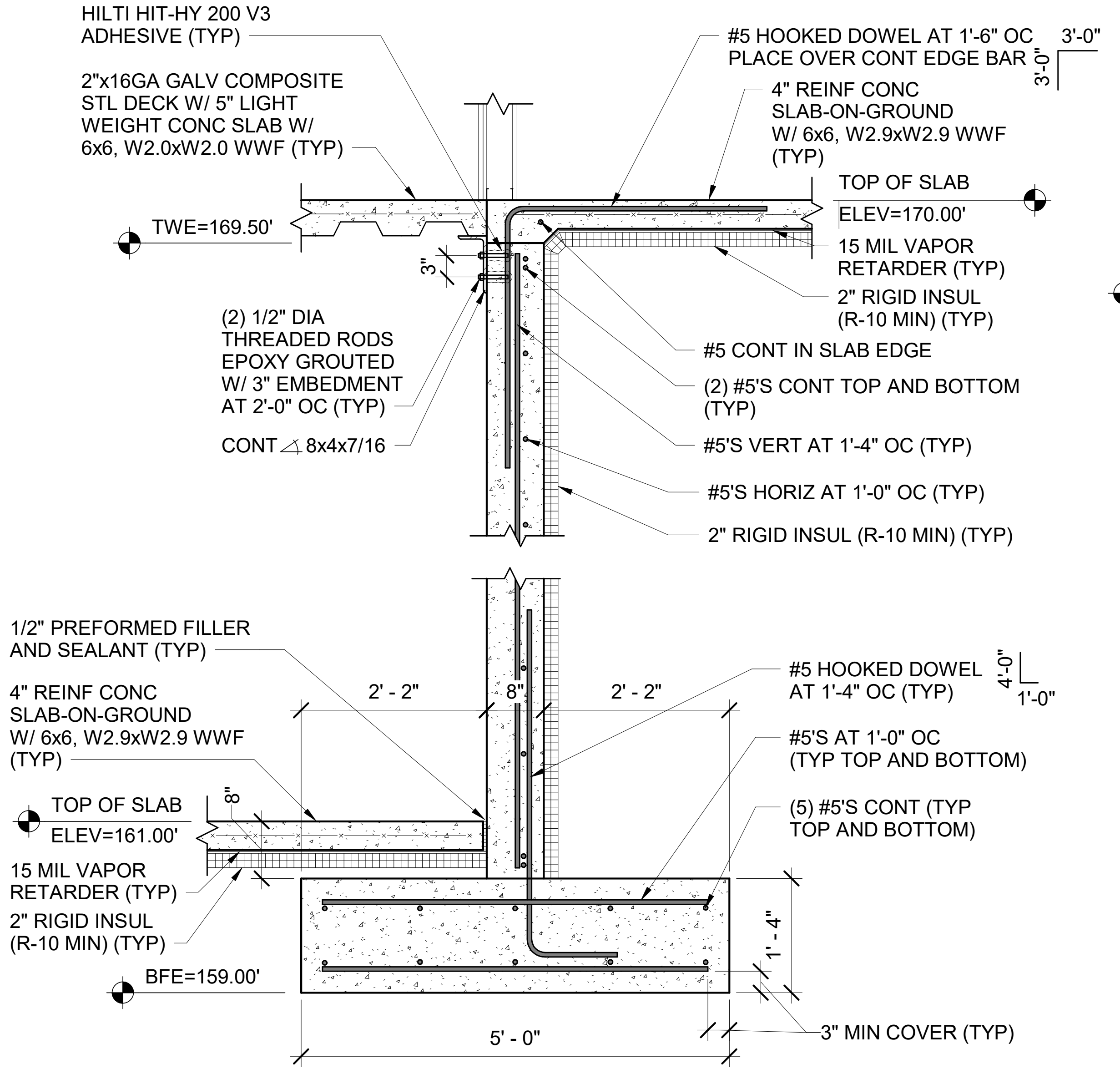
SB101, SB102


HILTI HIT-HY 200 V3 ADHESIVE (TYP)
2"x16GA GALV COMPOSITE STL DECK W/ 5" LIGHT WEIGHT CONC SLAB W/ 6x6, W2.0xW2.0 WWF (TYP)
5-PLY CLT WALL PANEL SEE 9/SF511 FOR CONN
TOP OF SLAB
ELEV=170.00'
3"
(2) 1/2" DIA THREADED RODS EPOXY GROUTED W/ 3" EMBEDMENT AT 2'-0" OC (TYP)
CONT ∠ 8x4x7/16 (TYP)
1 1/8"
#5'S VERT AT 1'-4" OC (TYP)
#5'S HORIZ AT 1'-0" OC (TYP)
8"
#5 HOOKED DOWEL AT 1'-4" OC (TYP)
4'-0"
1'-0"
1/2" PREFORMED FILLER AND SEALANT (TYP)
(2) #5'S CONT TOP AND BOTTOM (TYP)
4" REINF CONC SLAB-ON-GROUND W/ 6x6, W2.9xW2.9 WWF (TYP)
(6) #5'S CONT (TYP TOP AND BOTTOM)
#5'S AT 1'-0" OC (TYP)
TOP OF SLAB
ELEV=161.00'
15 MIL VAPOR RETARDER (TYP)
2" RIGID INSUL (R-10 MIN) (TYP)
1' - 0"
BFE=159.00'
6' - 6"
3" MIN COVER (TYP)

5 8" REINF CONC FND WALL AT CLT WALL PANEL

SB501 SCALE: 3/4" = 1'-0"

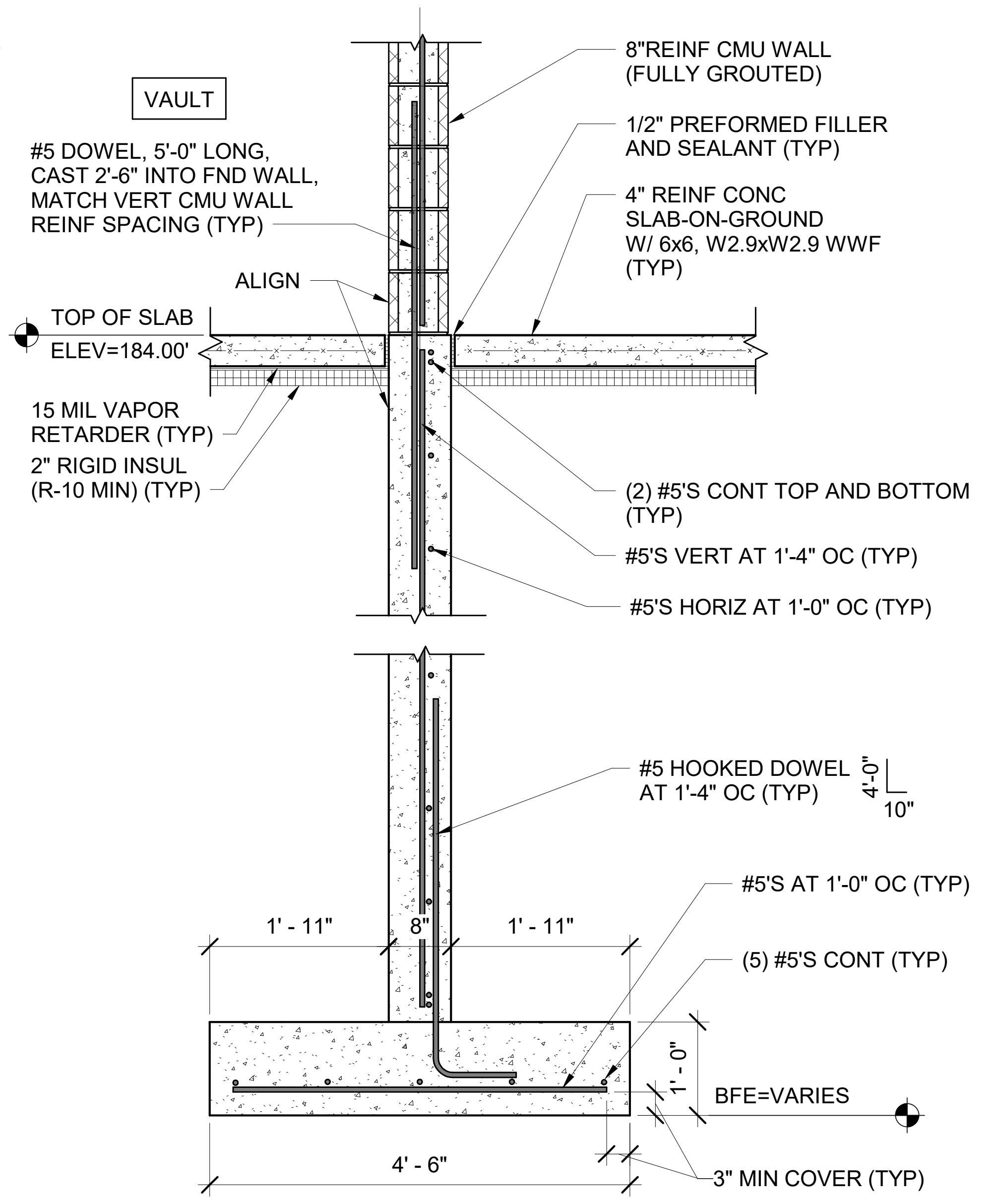
SB101, SB102, SB104, SF503


HILTI HIT-HY 200 V3 ADHESIVE (TYP)
2"x16GA GALV COMPOSITE STL DECK W/ 5" LIGHT WEIGHT CONC SLAB W/ 6x6, W2.0xW2.0 WWF (TYP)
#5 HOOKED DOWEL AT 1'-6" OC PLACE OVER CONT EDGE BAR
3'-0"
3'-0"
4" REINF CONC SLAB-ON-GROUND W/ 6x6, W2.9xW2.9 WWF (TYP)
TOP OF SLAB
ELEV=170.00'
TWE=169.50'
15 MIL VAPOR RETARDER (TYP)
2" RIGID INSUL (R-10 MIN) (TYP)
3"
(2) 1/2" DIA THREADED RODS EPOXY GROUTED W/ 3" EMBEDMENT AT 2'-0" OC (TYP)
(2) #5 CONT IN SLAB EDGE
(2) #5'S CONT TOP AND BOTTOM (TYP)
CONT ∠ 8x4x7/16
#5'S VERT AT 1'-4" OC (TYP)
#5'S HORIZ AT 1'-0" OC (TYP)
2" RIGID INSUL (R-10 MIN) (TYP)
1/2" PREFORMED FILLER AND SEALANT (TYP)
2' - 2"
8"
2' - 2"
#5 HOOKED DOWEL AT 1'-4" OC (TYP)
4'-0"
1'-0"
4" REINF CONC SLAB-ON-GROUND W/ 6x6, W2.9xW2.9 WWF (TYP)
#5'S AT 1'-0" OC (TYP TOP AND BOTTOM)
8"
TOP OF SLAB
ELEV=161.00'
(5) #5'S CONT (TYP TOP AND BOTTOM)
15 MIL VAPOR RETARDER (TYP)
2" RIGID INSUL (R-10 MIN) (TYP)
1' - 4"
BFE=159.00'
5' - 0"
3" MIN COVER (TYP)

6 8" REINF CONC RETAINING WALL DETAIL

SB501 SCALE: 3/4" = 1'-0"

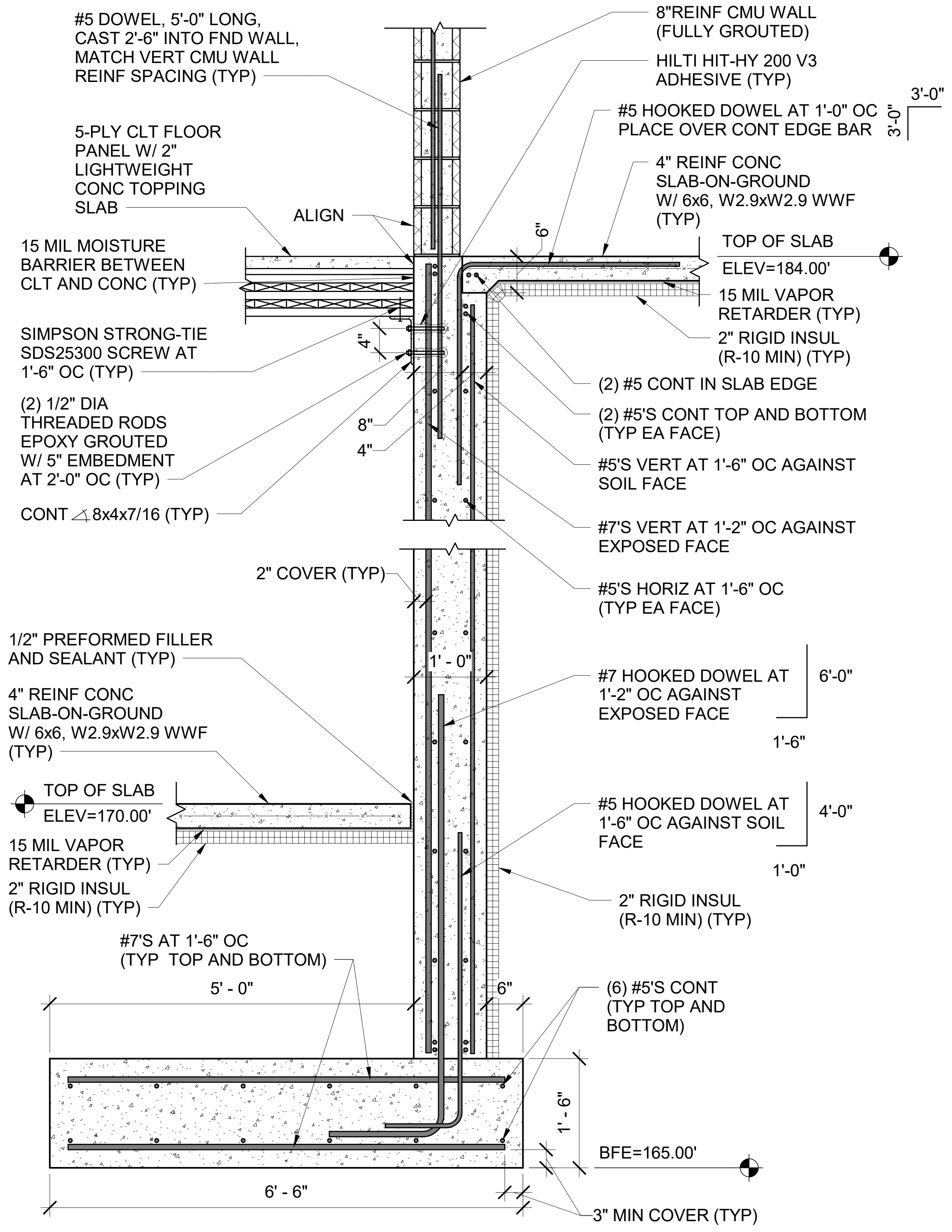
SB101, SB102


VAULT
8"REINF CMU WALL (FULLY GROUTED)
#5 DOWEL, 5'-0" LONG, CAST 2'-6" INTO FND WALL, MATCH VERT CMU WALL REINF SPACING (TYP)
1/2" PREFORMED FILLER AND SEALANT (TYP)
4" REINF CONC SLAB-ON-GROUND W/ 6x6, W2.9xW2.9 WWF (TYP)
ALIGN
TOP OF SLAB
ELEV=184.00'
15 MIL VAPOR RETARDER (TYP)
2" RIGID INSUL (R-10 MIN) (TYP)
(2) #5'S CONT TOP AND BOTTOM (TYP)
#5'S VERT AT 1'-4" OC (TYP)
#5'S HORIZ AT 1'-0" OC (TYP)
#5 HOOKED DOWEL AT 1'-4" OC (TYP)
4'-0"
10"
#5'S AT 1'-0" OC (TYP)
1' - 11"
8"
1' - 11"
(5) #5'S CONT (TYP)
1' - 0"
BFE=VARIES
4' - 6"
3" MIN COVER (TYP)

7 8" REINF CONC FND WALL DETAIL AT VAULT CMU

SB501 SCALE: 3/4" = 1'-0"

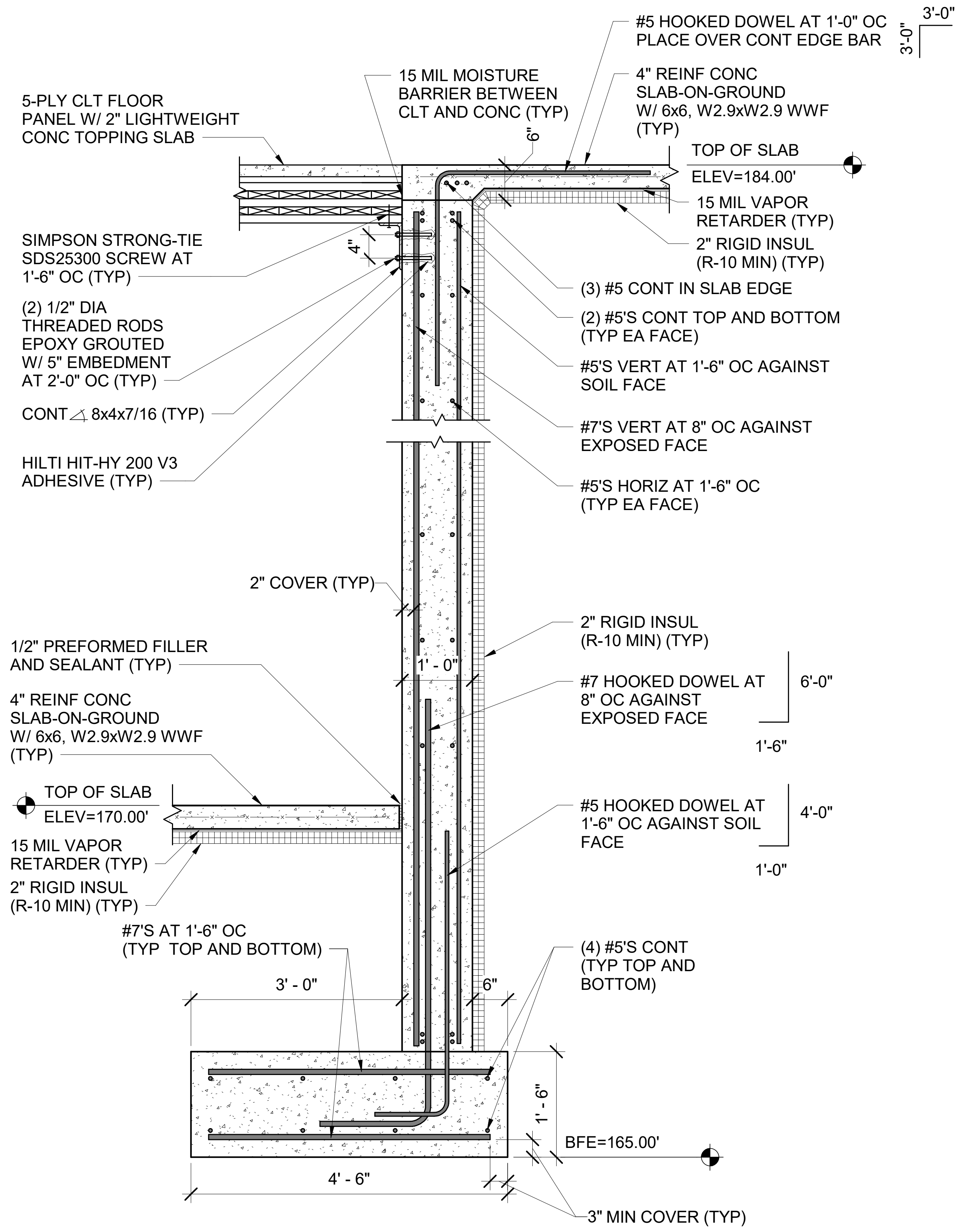
SB101, SB102


#5 DOWEL, 5'-0" LONG, CAST 2'-6" INTO FND WALL, MATCH VERT CMU WALL REINF SPACING (TYP)
8"REINF CMU WALL (FULLY GROUTED)
HILTI HIT-HY 200 V3 ADHESIVE (TYP)
#5 HOOKED DOWEL AT 1'-0" OC PLACE OVER CONT EDGE BAR
3'-0"
3'-0"
5-PLY CLT FLOOR PANEL W/ 2" LIGHTWEIGHT CONC TOPPING SLAB
4" REINF CONC SLAB-ON-GROUND W/ 6x6, W2.9xW2.9 WWF (TYP)
ALIGN
6"
TOP OF SLAB
ELEV=184.00'
15 MIL MOISTURE BARRIER BETWEEN CLT AND CONC (TYP)
15 MIL VAPOR RETARDER (TYP)
2" RIGID INSUL (R-10 MIN) (TYP)
SIMPSON STRONG-TIE SDS25300 SCREW AT 1'-6" OC (TYP)
4"
(2) #5 CONT IN SLAB EDGE
(2) 1/2" DIA THREADED RODS EPOXY GROUTED W/ 5" EMBEDMENT AT 2'-0" OC (TYP)
(2) #5'S CONT TOP AND BOTTOM (TYP EA FACE)
8"
4"
#5'S VERT AT 1'-6" OC AGAINST SOIL FACE
CONT ∠ 8x4x7/16 (TYP)
#7'S VERT AT 1'-2" OC AGAINST EXPOSED FACE
2" COVER (TYP)
#5'S HORIZ AT 1'-6" OC (TYP EA FACE)
1/2" PREFORMED FILLER AND SEALANT (TYP)
1' - 0"
#7 HOOKED DOWEL AT 1'-2" OC AGAINST EXPOSED FACE
6'-0"
1'-6"
4" REINF CONC SLAB-ON-GROUND W/ 6x6, W2.9xW2.9 WWF (TYP)
TOP OF SLAB
ELEV=170.00'
#5 HOOKED DOWEL AT 1'-6" OC AGAINST SOIL FACE
4'-0"
1'-0"
15 MIL VAPOR RETARDER (TYP)
2" RIGID INSUL (R-10 MIN) (TYP)
2" RIGID INSUL (R-10 MIN) (TYP)
#7'S AT 1'-6" OC (TYP TOP AND BOTTOM)
5' - 0"
6"
(6) #5'S CONT (TYP TOP AND BOTTOM)
1' - 6"
BFE=165.00'
6' - 6"
3" MIN COVER (TYP)

8 1'-0" REINF CONC RETAINING FND WALL DETAIL 2

SB501 SCALE: 3/4" = 1'-0"

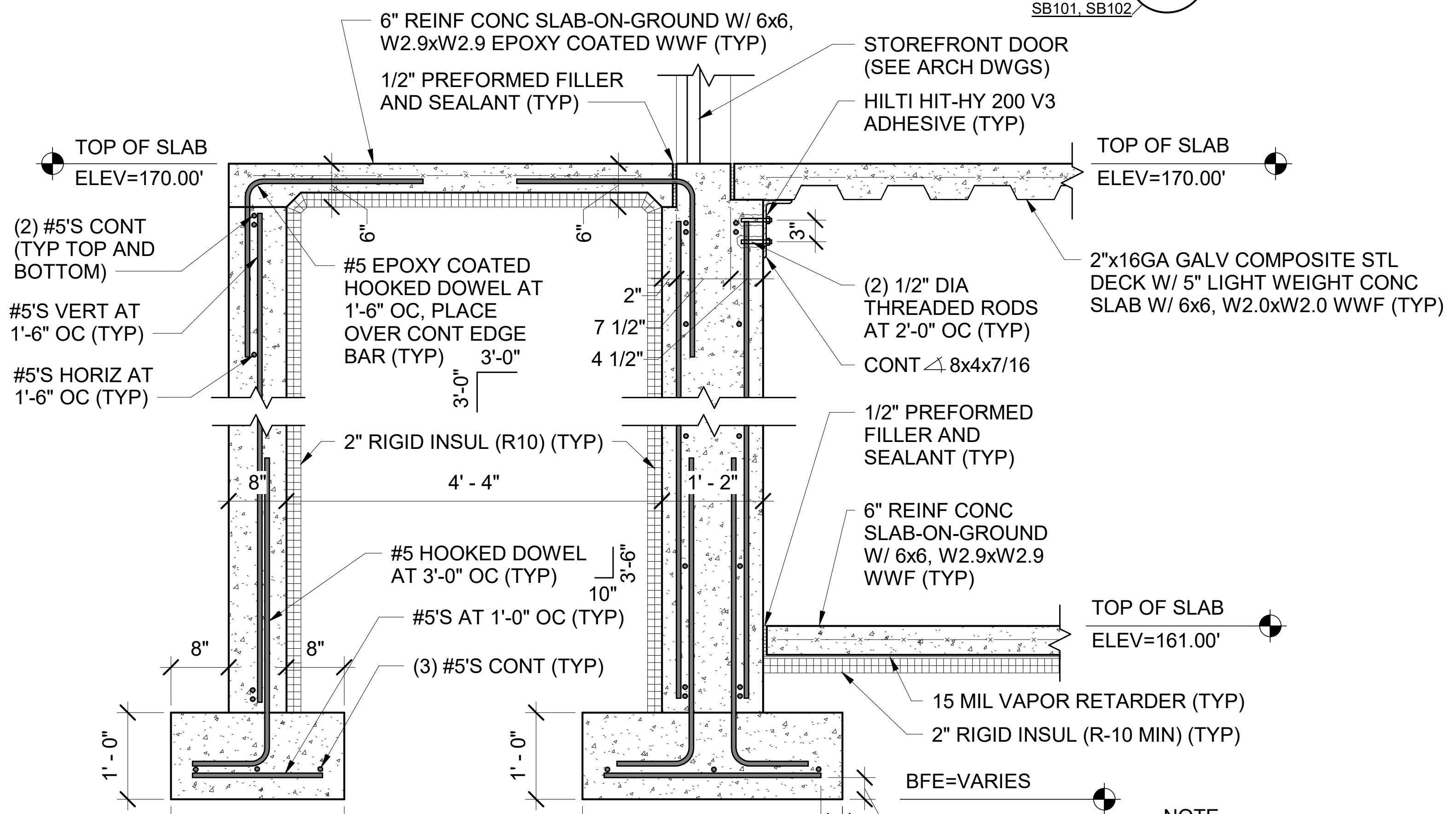
SB101, SB102, SF102


#5 HOOKED DOWEL AT 1'-0" OC PLACE OVER CONT EDGE BAR
3'-0"
3'-0"
15 MIL MOISTURE BARRIER BETWEEN CLT AND CONC (TYP)
4" REINF CONC SLAB-ON-GROUND W/ 6x6, W2.9xW2.9 WWF (TYP)
5-PLY CLT FLOOR PANEL W/ 2" LIGHTWEIGHT CONC TOPPING SLAB
6"
TOP OF SLAB
ELEV=184.00'
15 MIL VAPOR RETARDER (TYP)
2" RIGID INSUL (R-10 MIN) (TYP)
SIMPSON STRONG-TIE SDS25300 SCREW AT 1'-6" OC (TYP)
4"
(3) #5 CONT IN SLAB EDGE
(2) 1/2" DIA THREADED RODS EPOXY GROUTED W/ 5" EMBEDMENT AT 2'-0" OC (TYP)
(2) #5'S CONT TOP AND BOTTOM (TYP EA FACE)
#5'S VERT AT 1'-6" OC AGAINST SOIL FACE
CONT ∠ 8x4x7/16 (TYP)
#7'S VERT AT 8" OC AGAINST EXPOSED FACE
HILTI HIT-HY 200 V3 ADHESIVE (TYP)
#5'S HORIZ AT 1'-6" OC (TYP EA FACE)
2" COVER (TYP)
2" RIGID INSUL (R-10 MIN) (TYP)
1/2" PREFORMED FILLER AND SEALANT (TYP)
1' - 0"
#7 HOOKED DOWEL AT 8" OC AGAINST EXPOSED FACE
6'-0"
1'-6"
4" REINF CONC SLAB-ON-GROUND W/ 6x6, W2.9xW2.9 WWF (TYP)
TOP OF SLAB
ELEV=170.00'
#5 HOOKED DOWEL AT 1'-6" OC AGAINST SOIL FACE
4'-0"
1'-0"
15 MIL VAPOR RETARDER (TYP)
2" RIGID INSUL (R-10 MIN) (TYP)
#7'S AT 1'-6" OC (TYP TOP AND BOTTOM)
3' - 0"
6"
(4) #5'S CONT (TYP TOP AND BOTTOM)
1' - 6"
BFE=165.00'
4' - 6"
3" MIN COVER (TYP)

9 1'-0" REINF CONC RETAINING FND WALL DETAIL 1

SB501 SCALE: 3/4" = 1'-0"

SB101, SB102, SF102


6" REINF CONC SLAB-ON-GROUND W/ 6x6, W2.9xW2.9 EPOXY COATED WWF (TYP)
1/2" PREFORMED FILLER AND SEALANT (TYP)
STOREFRONT DOOR (SEE ARCH DWGS)
HILTI HIT-HY 200 V3 ADHESIVE (TYP)
TOP OF SLAB
ELEV=170.00'
TOP OF SLAB
ELEV=170.00'
(2) #5'S CONT (TYP TOP AND BOTTOM)
#5'S VERT AT 1'-6" OC (TYP)
#5'S HORIZ AT 1'-6" OC (TYP)
6"
6"
#5 EPOXY COATED HOOKED DOWEL AT 1'-6" OC, PLACE OVER CONT EDGE BAR (TYP)
3'-0"
3'-0"
2"
7 1/2"
4 1/2"
3"
(2) 1/2" DIA THREADED RODS AT 2'-0" OC (TYP)
CONT ∠ 8x4x7/16
2"x16GA GALV COMPOSITE STL DECK W/ 5" LIGHT WEIGHT CONC SLAB W/ 6x6, W2.0xW2.0 WWF (TYP)
2" RIGID INSUL (R10) (TYP)
1/2" PREFORMED FILLER AND SEALANT (TYP)
8"
4' - 4"
1' - 2"
6" REINF CONC SLAB-ON-GROUND W/ 6x6, W2.9xW2.9 WWF (TYP)
#5 HOOKED DOWEL AT 3'-0" OC (TYP)
3'-6"
10"
#5'S AT 1'-0" OC (TYP)
TOP OF SLAB
ELEV=161.00'
8"
8"
(3) #5'S CONT (TYP)
15 MIL VAPOR RETARDER (TYP)
2" RIGID INSUL (R-10 MIN) (TYP)
1' - 0"
1' - 0"
BFE=VARIES
2' - 0"
3' - 0"
3" MIN COVER (TYP)

NOTE
SEE DETAIL 1/SB501 FOR 1'-2" WALL AND FOOTING REINFORCING.

10 1'-2" REINF CONC FND WALL DETAIL AT STOOP

SB501 SCALE: 3/4" = 1'-0"

SB102, SB103, SB104

GENERAL NOTES

1. RADIANT HEAT TUBING NOT SHOWN FOR CLARITY.
2. SEE DETAIL 3/CU102 FOR FOUNDATION PREPARATION AND DRAIN DETAIL.

GRAPHIC SCALE

1' 6" 0 1' 2' 3'
3/4"=1'-0"

CHECK GRAPHIC SCALE BEFORE USING

NO.	DATE	DESCRIPTION	BY
1	03/06/2035	ADDENDUM NO. 5	DNM

REVISIONS

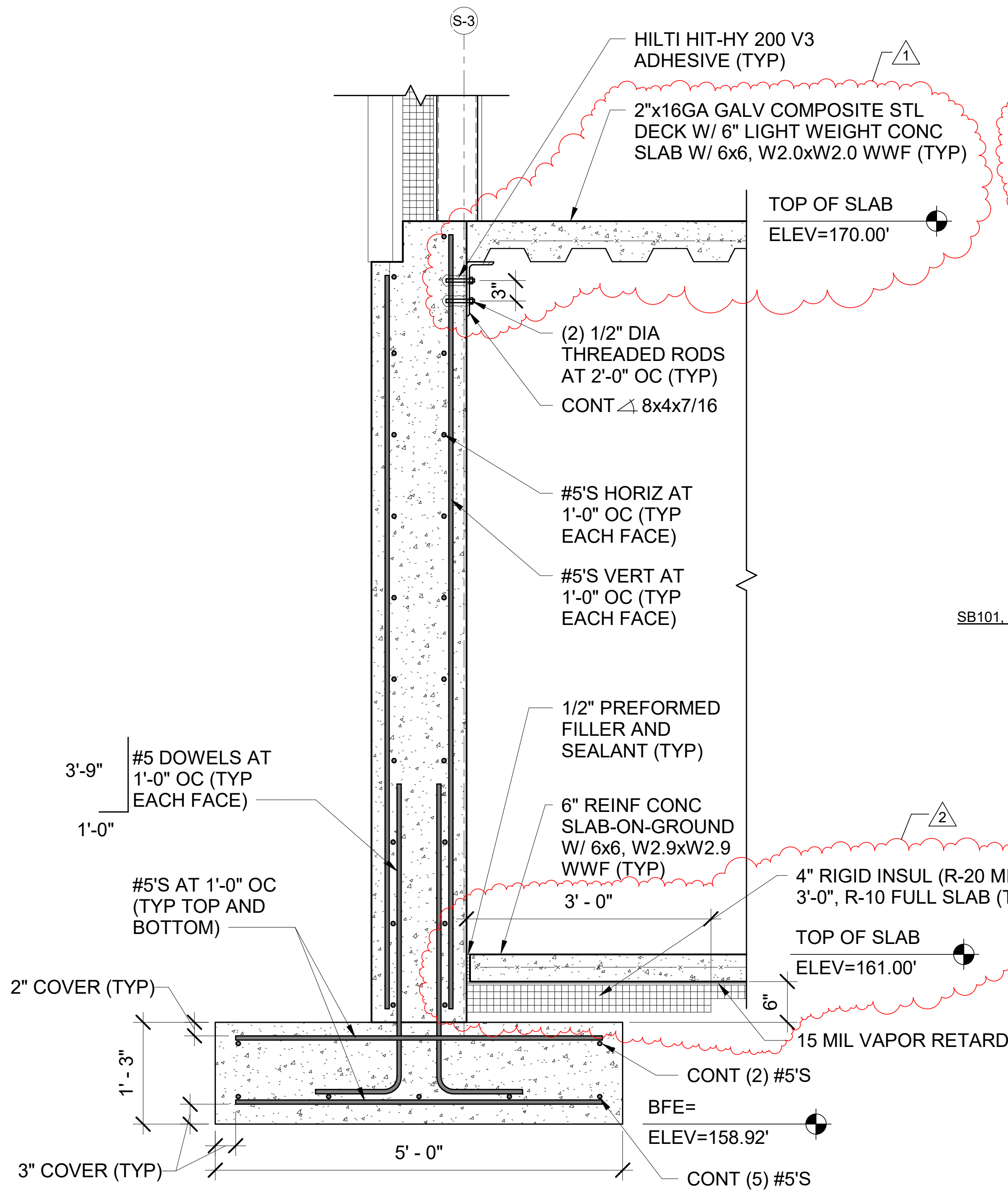
STATE OF MAINE
DAVID N. MARTIN
No. 6622
LICENSED
PROFESSIONAL ENGINEER

DEPARTMENT OF INLAND FISHERIES & WILDLIFE
TITLE NEW OFFICE HEADQUARTERS
LOCATION AUGUSTA, ME
TITLE THIS DWG. FOUNDATION DETAILS 1

DRAWN BY: MJC
CHECK BY: DNM
NO.
DATE 01/29/2025

OAK POINT ASSOCIATES
ARCHITECTURE ■ ENGINEERING ■ PLANNING
231 Main Street, Biddeford, Maine 04005 207.283.0193

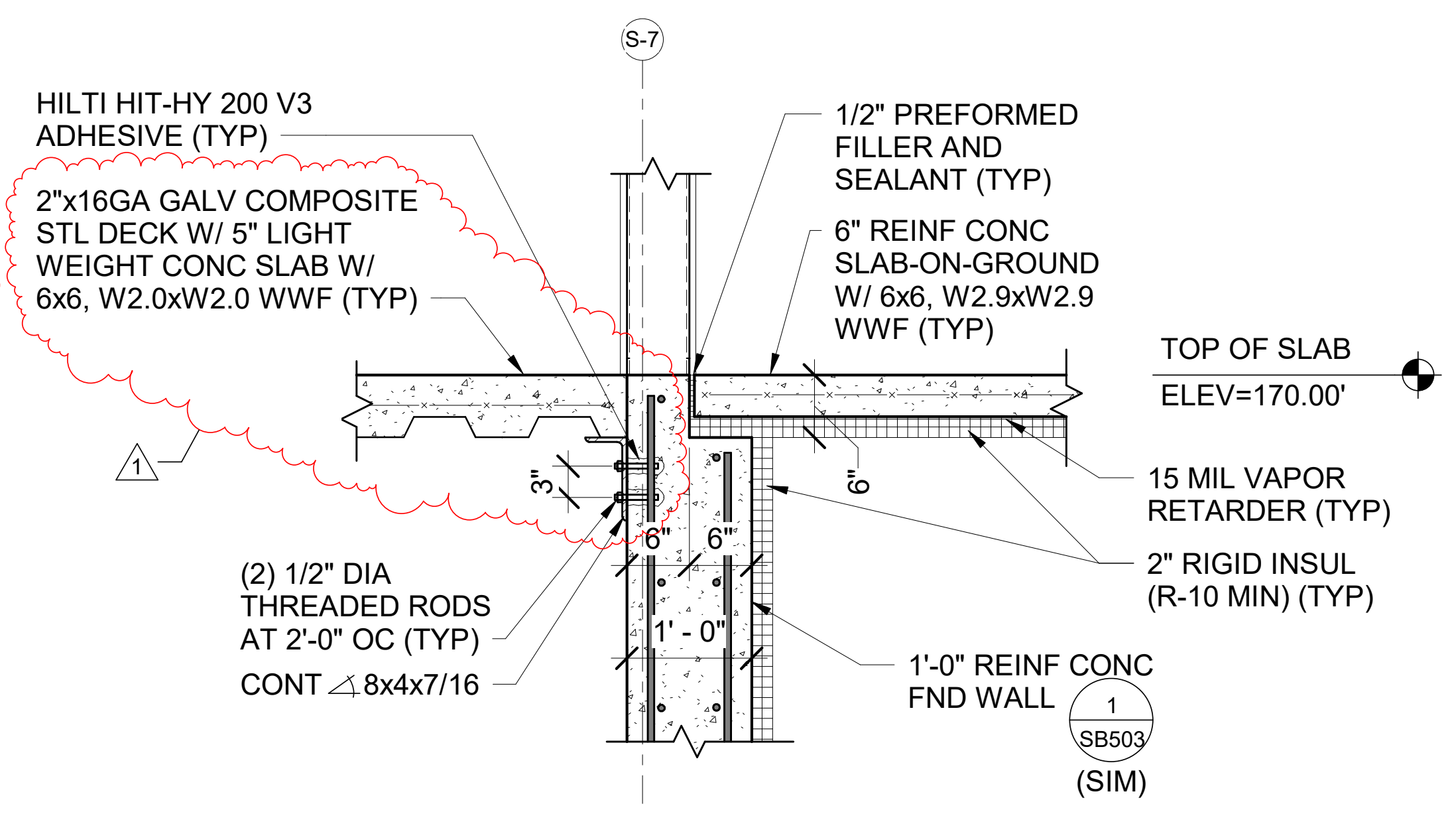
DRAWING NO. SB501
SHEET NO. 61 OF 239


S-3
HILTI HIT-HY 200 V3 ADHESIVE (TYP)
1
2"x16GA GALV COMPOSITE STL DECK W/ 6" LIGHT WEIGHT CONC SLAB W/ 6x6, W2.0xW2.0 WWF (TYP)
TOP OF SLAB
ELEV=170.00'
3"
(2) 1/2" DIA THREADED RODS AT 2'-0" OC (TYP)
CONT ∠ 8x4x7/16
#5'S HORIZ AT 1'-0" OC (TYP EACH FACE)
#5'S VERT AT 1'-0" OC (TYP EACH FACE)
1/2" PREFORMED FILLER AND SEALANT (TYP)
3'-9"
1'-0"
#5 DOWELS AT 1'-0" OC (TYP EACH FACE)
6" REINF CONC SLAB-ON-GROUND W/ 6x6, W2.9xW2.9 WWF (TYP)
2
4" RIGID INSUL (R-20 MIN) FOR 3'-0", R-10 FULL SLAB (TYP)
3' - 0"
TOP OF SLAB
ELEV=161.00'
#5'S AT 1'-0" OC (TYP TOP AND BOTTOM)
6"
2" COVER (TYP)
15 MIL VAPOR RETARDER (TYP)
1' - 3"
CONT (2) #5'S
BFE=
ELEV=158.92'
3" COVER (TYP)
5' - 0"
CONT (5) #5'S

1 1'-2" REINF CONC RETAINING WALL DETAIL

SB503 SCALE: 3/4" = 1'-0"

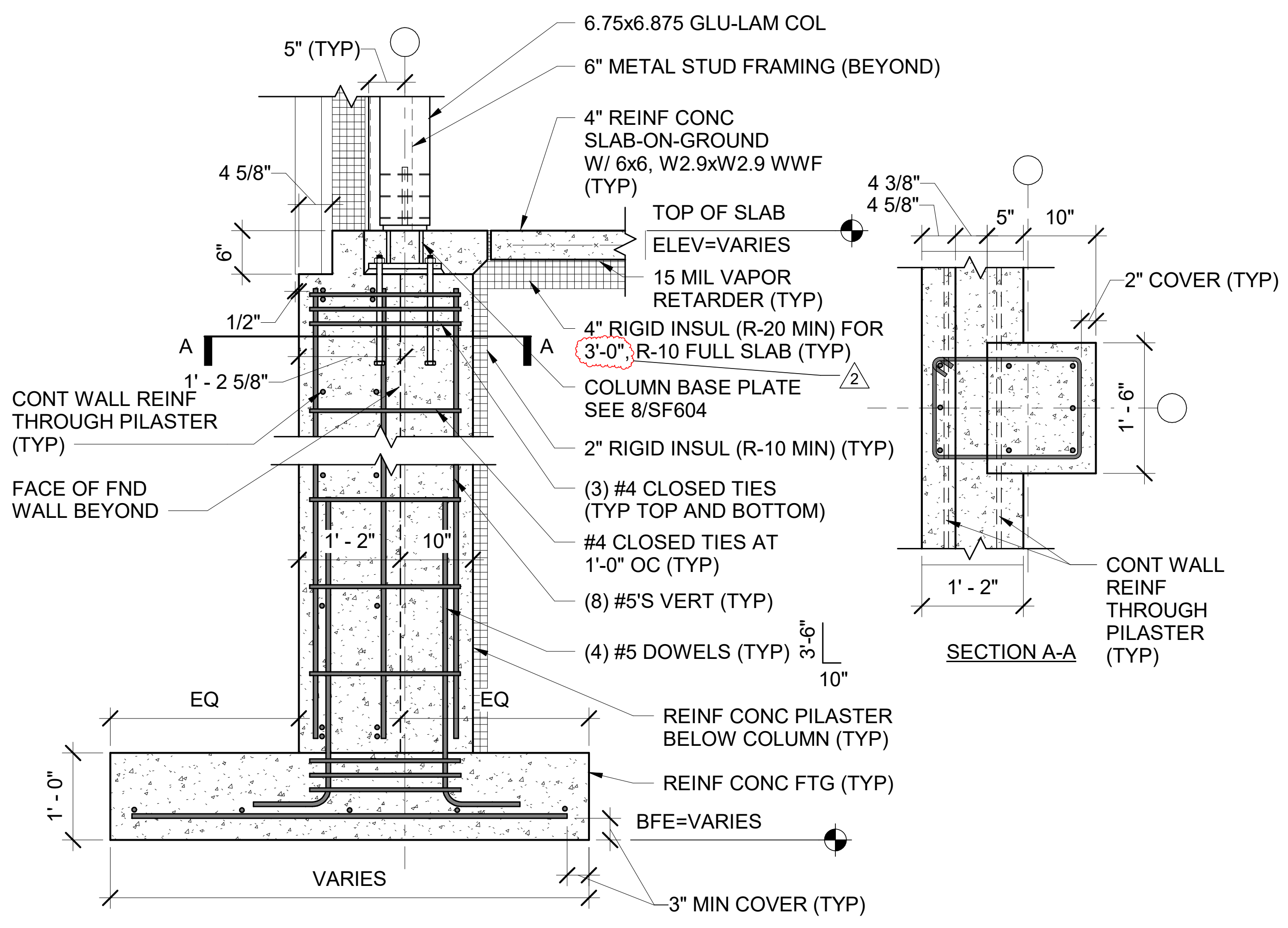
SB101, SB104, SB403, SB503


S-7
HILTI HIT-HY 200 V3 ADHESIVE (TYP)
2"x16GA GALV COMPOSITE STL DECK W/ 5" LIGHT WEIGHT CONC SLAB W/ 6x6, W2.0xW2.0 WWF (TYP)
1
1/2" PREFORMED FILLER AND SEALANT (TYP)
6" REINF CONC SLAB-ON-GROUND W/ 6x6, W2.9xW2.9 WWF (TYP)
TOP OF SLAB
ELEV=170.00'
15 MIL VAPOR RETARDER (TYP)
2" RIGID INSUL (R-10 MIN) (TYP)
3"
6"
6"
6"
1' - 0"
(2) 1/2" DIA THREADED RODS AT 2'-0" OC (TYP)
CONT ∠ 8x4x7/16
1'-0" REINF CONC FND WALL
1
SB503
(SIM)

2 1'-0" REINF CONC RETAINING WALL DETAIL

SB503 SCALE: 3/4" = 1'-0"

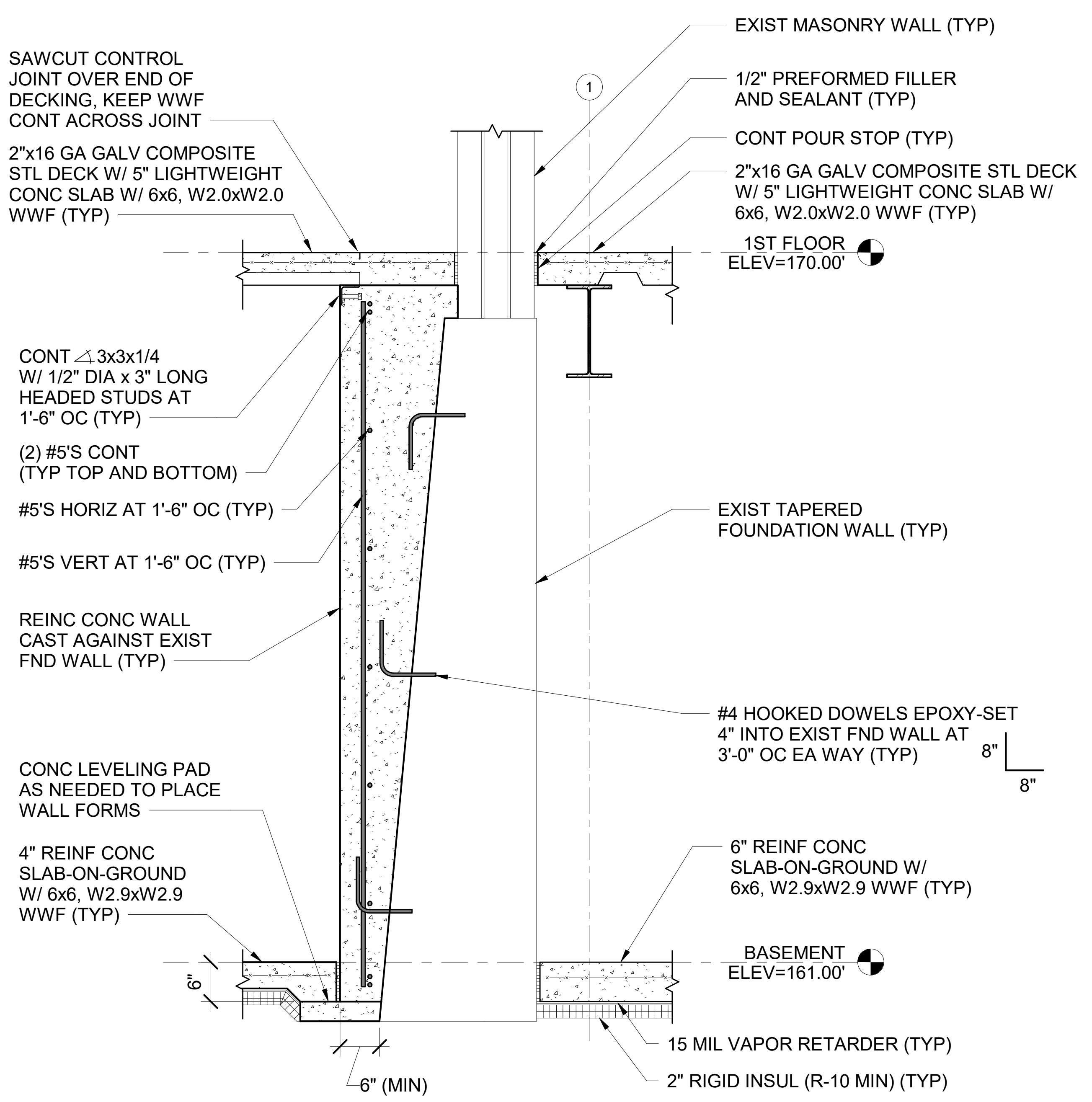
SB101, SB104, SB504, SF101


6.75x6.875 GLU-LAM COL
5" (TYP)
6" METAL STUD FRAMING (BEYOND)
4" REINF CONC SLAB-ON-GROUND W/ 6x6, W2.9xW2.9 WWF (TYP)
4 5/8"
TOP OF SLAB
ELEV=VARIES
15 MIL VAPOR RETARDER (TYP)
4" RIGID INSUL (R-20 MIN) FOR 3'-0", R-10 FULL SLAB (TYP)
2
6"
1/2"
A
A
1' - 2 5/8"
CONT WALL REINF THROUGH PILASTER (TYP)
FACE OF FND WALL BEYOND
COLUMN BASE PLATE SEE 8/SF604
2" RIGID INSUL (R-10 MIN) (TYP)
(3) #4 CLOSED TIES (TYP TOP AND BOTTOM)
#4 CLOSED TIES AT 1'-0" OC (TYP)
(8) #5'S VERT (TYP)
(4) #5 DOWELS (TYP)
1' - 2"
10"
3'-6"
10"
EQ
EQ
REINF CONC PILASTER BELOW COLUMN (TYP)
REINF CONC FTG (TYP)
1' - 0"
BFE=VARIES
VARIES
3" MIN COVER (TYP)
4 3/8"
4 5/8"
5"
10"
2" COVER (TYP)
1' - 6"
1' - 2"
CONT WALL REINF THROUGH PILASTER (TYP)
SECTION A-A

3 REINF CONC PILASTER DETAIL AT 1'-2" FND WALL

SB503 SCALE: 3/4" = 1'-0"

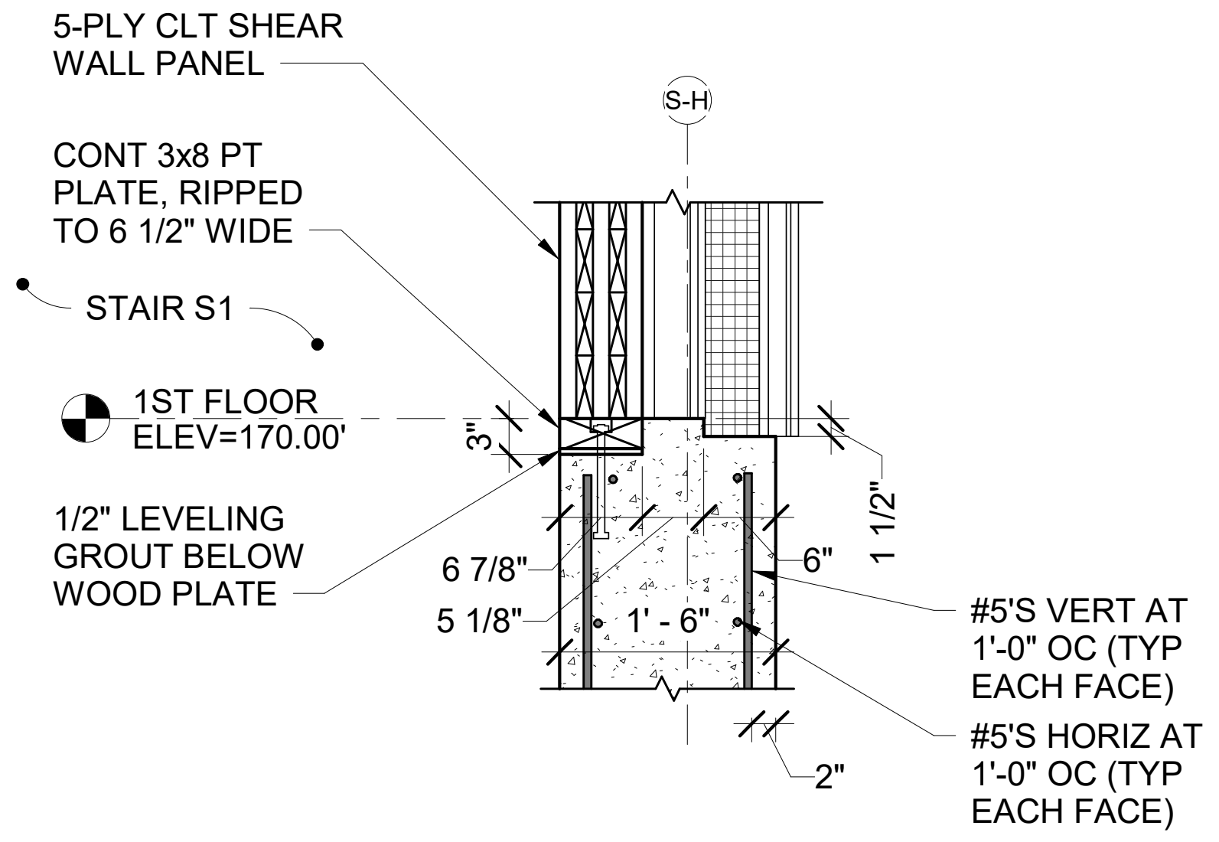
SB102, SF604


EXIST MASONRY WALL (TYP)
SAWCUT CONTROL JOINT OVER END OF DECKING, KEEP WWF CONT ACROSS JOINT
1
1/2" PREFORMED FILLER AND SEALANT (TYP)
CONT POUR STOP (TYP)
2"x16 GA GALV COMPOSITE STL DECK W/ 5" LIGHTWEIGHT CONC SLAB W/ 6x6, W2.0xW2.0 WWF (TYP)
2"x16 GA GALV COMPOSITE STL DECK W/ 5" LIGHTWEIGHT CONC SLAB W/ 6x6, W2.0xW2.0 WWF (TYP)
1ST FLOOR
ELEV=170.00'
CONT ∠ 3x3x1/4 W/ 1/2" DIA x 3" LONG HEADED STUDS AT 1'-6" OC (TYP)
(2) #5'S CONT (TYP TOP AND BOTTOM)
#5'S HORIZ AT 1'-6" OC (TYP)
#5'S VERT AT 1'-6" OC (TYP)
EXIST TAPERED FOUNDATION WALL (TYP)
REINC CONC WALL CAST AGAINST EXIST FND WALL (TYP)
#4 HOOKED DOWELS EPOXY-SET 4" INTO EXIST FND WALL AT 3'-0" OC EA WAY (TYP)
8"
8"
CONC LEVELING PAD AS NEEDED TO PLACE WALL FORMS
4" REINF CONC SLAB-ON-GROUND W/ 6x6, W2.9xW2.9 WWF (TYP)
6" REINF CONC SLAB-ON-GROUND W/ 6x6, W2.9xW2.9 WWF (TYP)
BASEMENT
ELEV=161.00'
6"
15 MIL VAPOR RETARDER (TYP)
6" (MIN)
2" RIGID INSUL (R-10 MIN) (TYP)

4 CONC WALL AT EXISTING TAPERED FOUNDATION WALL DETAIL

SB503 SCALE: 3/4" = 1'-0"

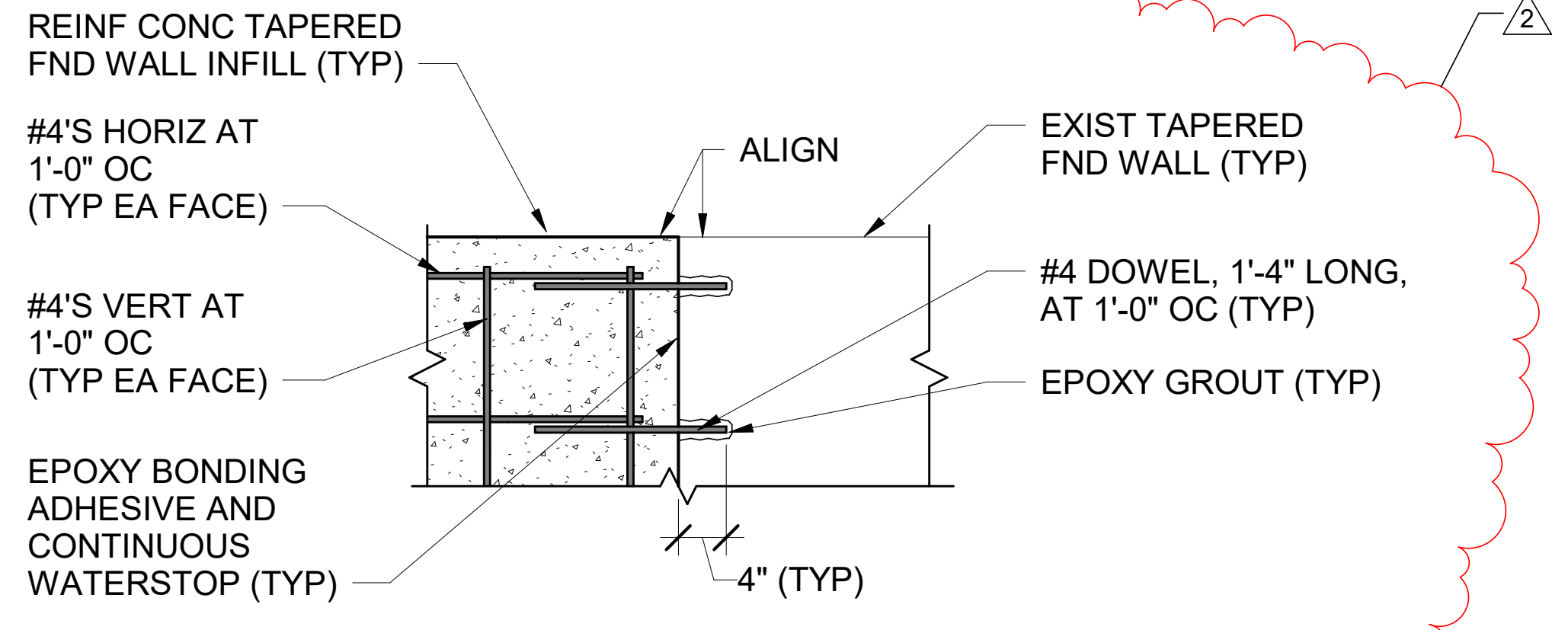
SB102


5-PLY CLT SHEAR WALL PANEL
S-H
CONT 3x8 PT PLATE, RIPPED TO 6 1/2" WIDE
STAIR S1
1ST FLOOR
ELEV=170.00'
3"
1/2" LEVELING GROUT BELOW WOOD PLATE
6 7/8"
5 1/8"
1' - 6"
6"
1 1/2"
#5'S VERT AT 1'-0" OC (TYP EACH FACE)
#5'S HORIZ AT 1'-0" OC (TYP EACH FACE)
2"

6 1'-6" REINF CONC FND WALL AT STAIR S1

SB503 SCALE: 3/4" = 1'-0"

SB104, SB403


2
REINF CONC TAPERED FND WALL INFILL (TYP)
ALIGN
EXIST TAPERED FND WALL (TYP)
#4'S HORIZ AT 1'-0" OC (TYP EA FACE)
#4 DOWEL, 1'-4" LONG, AT 1'-0" OC (TYP)
#4'S VERT AT 1'-0" OC (TYP EA FACE)
EPOXY GROUT (TYP)
EPOXY BONDING ADHESIVE AND CONTINUOUS WATERSTOP (TYP)
4" (TYP)

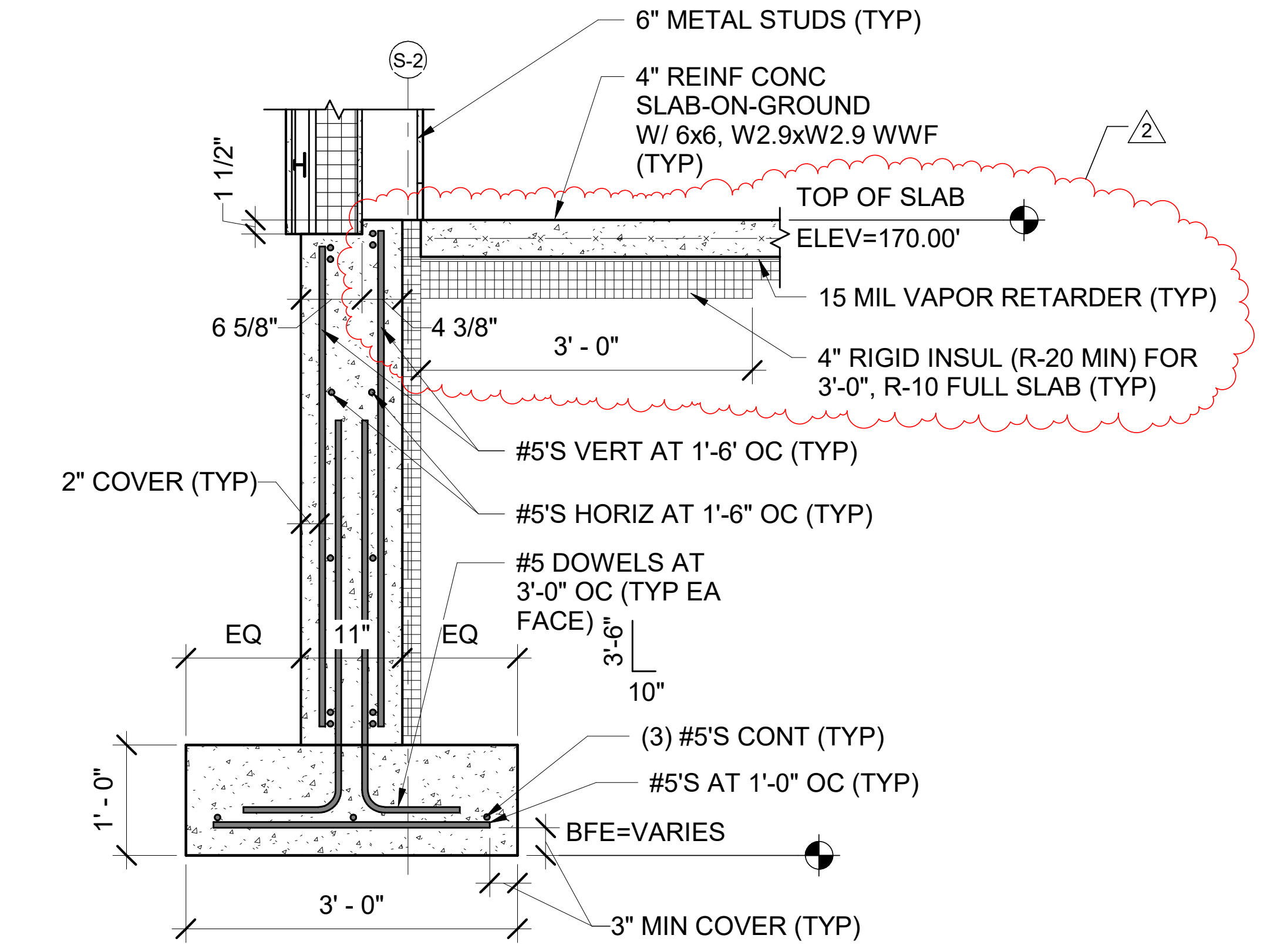
NOTES

1. ALIGN BOTTOM OF FOUNDATION WALL INFILL WITH BOTTOM OF EXISTING FOUNDATION WALL.
2. PROVIDE 2" COVER FROM FACE OF WALL.
3. WIDTH OF CONCRETE WALL INFILL TO MATCH WIDTH OF EXISTING TAPERED FOUNDATION WALL.
4. PROVIDE VERTICAL #4 DOWELS, 1'-4" LONG, EPOXY GROUTED 4" INTO BASE OF EXISTING TAPERED FOUNDATION WALL.

7 TYP EXIST FND WALL INFILL DETAIL

SB503 SCALE: 3/4" = 1'-0"

SB103, AE104


6" METAL STUDS (TYP)
S-2
4" REINF CONC SLAB-ON-GROUND W/ 6x6, W2.9xW2.9 WWF (TYP)
2
1 1/2"
TOP OF SLAB
ELEV=170.00'
15 MIL VAPOR RETARDER (TYP)
6 5/8"
4 3/8"
3' - 0"
4" RIGID INSUL (R-20 MIN) FOR 3'-0", R-10 FULL SLAB (TYP)
#5'S VERT AT 1'-6' OC (TYP)
2" COVER (TYP)
#5'S HORIZ AT 1'-6" OC (TYP)
#5 DOWELS AT 3'-0" OC (TYP EA FACE)
3'-6"
10"
EQ
11"
EQ
(3) #5'S CONT (TYP)
#5'S AT 1'-0" OC (TYP)
1' - 0"
BFE=VARIES
3' - 0"
3" MIN COVER (TYP)

5 TYP 11" REINF CONC FND WALL DETAIL

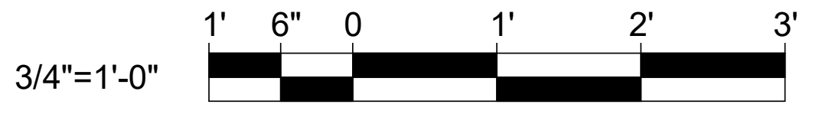
SB503 SCALE: 3/4" = 1'-0"

SB104

GENERAL NOTES

1. RADIANT HEAT TUBING NOT SHOWN FOR CLARITY.
2. SEE DETAIL 3/CU102 FOR FOUNDATION PREPARATION AND DRAIN DETAIL.

GRAPHIC SCALE



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NO.	DATE	DESCRIPTION	BY
2	03/06/2035	ADDENDUM NO. 5	DNM
1	02/28/2025	ADDENDUM NO. 3	DNM

REVISIONS

STATE OF MAINE
DAVID N. MARTIN
No. 6622
LICENSED
PROFESSIONAL ENGINEER

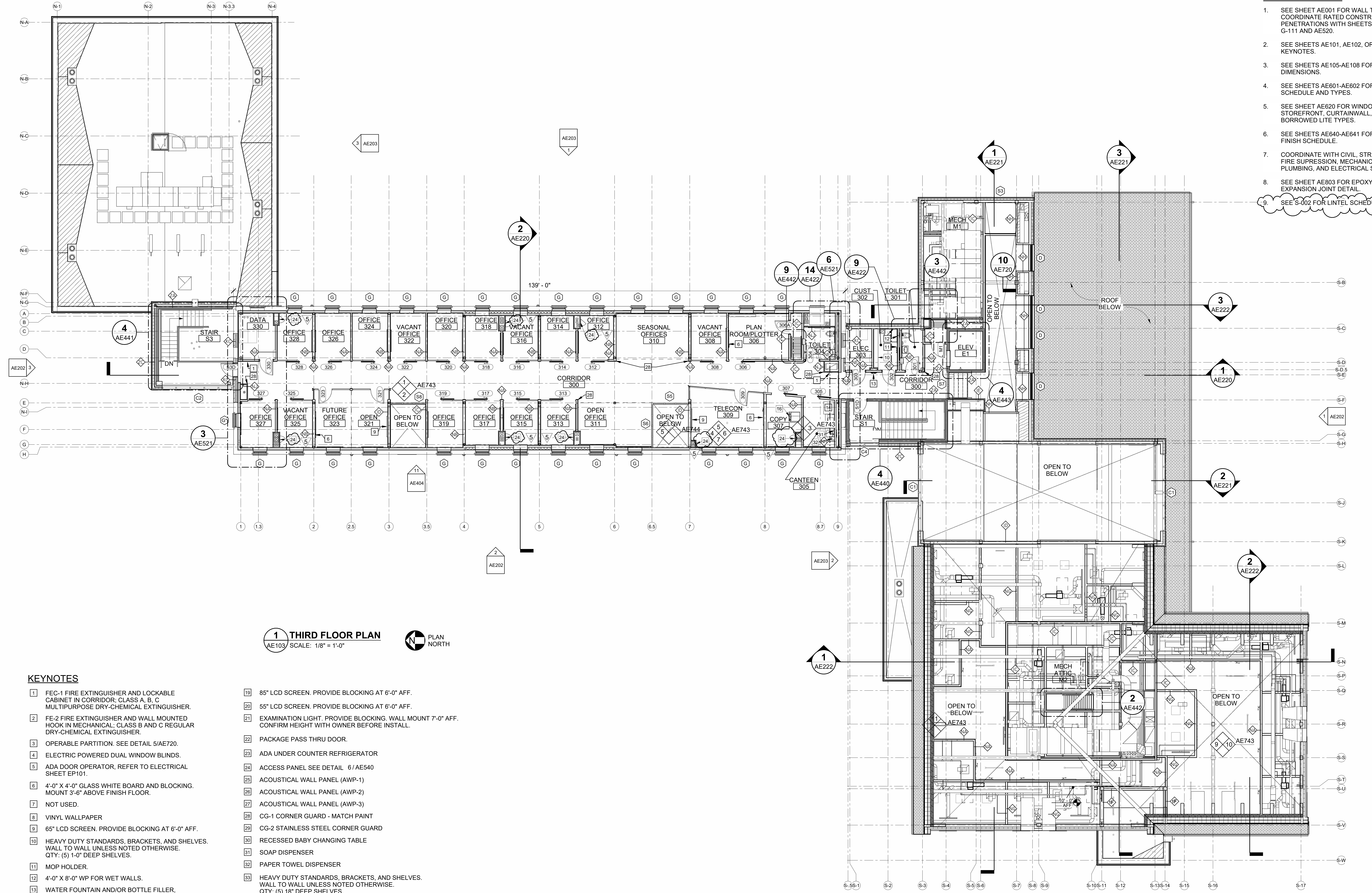
DRAWN BY: MJC
CHECK BY: DNM
NO.
DATE 01/29/2025

DEPARTMENT OF INLAND FISHERIES & WILDLIFE

TITLE NEW OFFICE HEADQUARTERS
LOCATION AUGUSTA, ME
TITLE THIS DWG. FOUNDATION DETAILS 3

OAK POINT ASSOCIATES
ARCHITECTURE ■ ENGINEERING ■ PLANNING
231 Main Street, Biddeford, Maine 04005 207.283.0193

DRAWING NO. SB503
SHEET NO. 63 OF 239



GENERAL NOTES

1. SEE SHEET AE001 FOR WALL TYPES. COORDINATE RATED CONSTRUCTION AND PENETRATIONS WITH SHEETS G-108 THRU G-111 AND AE520.
2. SEE SHEETS AE101, AE102, OR AE103 FOR KEYNOTES.
3. SEE SHEETS AE105-AE108 FOR DIMENSIONS.
4. SEE SHEETS AE601-AE602 FOR DOOR SCHEDULE AND TYPES.
5. SEE SHEET AE620 FOR WINDOW, STOREFRONT, CURTAINWALL, AND BORROWED LITE TYPES.
6. SEE SHEETS AE640-AE641 FOR ROOM FINISH SCHEDULE.
7. COORDINATE WITH CIVIL, STRUCTURAL, FIRE SUPRESSION, MECHANICAL, PLUMBING, AND ELECTRICAL SHEETS.
8. SEE SHEET AE803 FOR EPOXY FLOOR EXPANSION JOINT DETAIL.
9. SEE S-002 FOR LINTEL SCHEDULE.

1 THIRD FLOOR PLAN
AE103
SCALE: 1/8" = 1'-0"

PLAN NORTH

KEYNOTES

1	FEC-1 FIRE EXTINGUISHER AND LOCKABLE CABINET IN CORRIDOR; CLASS A, B, C MULTIPURPOSE DRY-CHEMICAL EXTINGUISHER.
2	FE-2 FIRE EXTINGUISHER AND WALL MOUNTED HOOK IN MECHANICAL; CLASS B AND C REGULAR DRY-CHEMICAL EXTINGUISHER.
3	OPERABLE PARTITION. SEE DETAIL 5/AE720.
4	ELECTRIC POWERED DUAL WINDOW BLINDS.
5	ADA DOOR OPERATOR, REFER TO ELECTRICAL SHEET EP101.
6	4'-0" X 4'-0" GLASS WHITE BOARD AND BLOCKING. MOUNT 3'-6" ABOVE FINISH FLOOR.
7	NOT USED.
8	VINYL WALLPAPER
9	65" LCD SCREEN. PROVIDE BLOCKING AT 6'-0" AFF.
10	HEAVY DUTY STANDARDS, BRACKETS, AND SHELVES. WALL TO WALL UNLESS NOTED OTHERWISE. QTY: (5) 1-0" DEEP SHELVES.
11	MOP HOLDER.
12	4'-0" X 8'-0" WP FOR WET WALLS.
13	WATER FOUNTAIN AND/OR BOTTLE FILLER, COORDINATE WITH PLUMBING SHEETS.
14	RESIDENTIAL REFRIGERATOR WITH ADA CONTROLS (NIC).
15	COUNTERTOP MICROWAVE (NIC).
16	COPIER (NIC).
17	FLUSH WALL ACCESS PANEL. BOTTOM 6" AFF.
18	WADER HANGER. BASIS OF DESIGN" RED HEAD WADER HANGER.
19	85" LCD SCREEN. PROVIDE BLOCKING AT 6'-0" AFF.
20	55" LCD SCREEN. PROVIDE BLOCKING AT 6'-0" AFF.
21	EXAMINATION LIGHT. PROVIDE BLOCKING. WALL MOUNT 7'-0" AFF. CONFIRM HEIGHT WITH OWNER BEFORE INSTALL.
22	PACKAGE PASS THRU DOOR.
23	ADA UNDER COUNTER REFRIGERATOR
24	ACCESS PANEL SEE DETAIL 6 / AE540
25	ACOUSTICAL WALL PANEL (AWP-1)
26	ACOUSTICAL WALL PANEL (AWP-2)
27	ACOUSTICAL WALL PANEL (AWP-3)
28	CG-1 CORNER GUARD - MATCH PAINT
29	CG-2 STAINLESS STEEL CORNER GUARD
30	RECESSED BABY CHANGING TABLE
31	SOAP DISPENSER
32	PAPER TOWEL DISPENSER
33	HEAVY DUTY STANDARDS, BRACKETS, AND SHELVES. WALL TO WALL UNLESS NOTED OTHERWISE. QTY: (5) 18" DEEP SHELVES.

GRAPHIC SCALE

8' 4' 0 8' 16'
1/8"=1'-0"

CHECK GRAPHIC SCALE BEFORE USING

NO.	DATE	DESCRIPTION	BY
5	03/06/2025	ADDENDUM NO.5	HMG

REVISIONS

TYLER G. BARTER
No. 2952
1-29-25

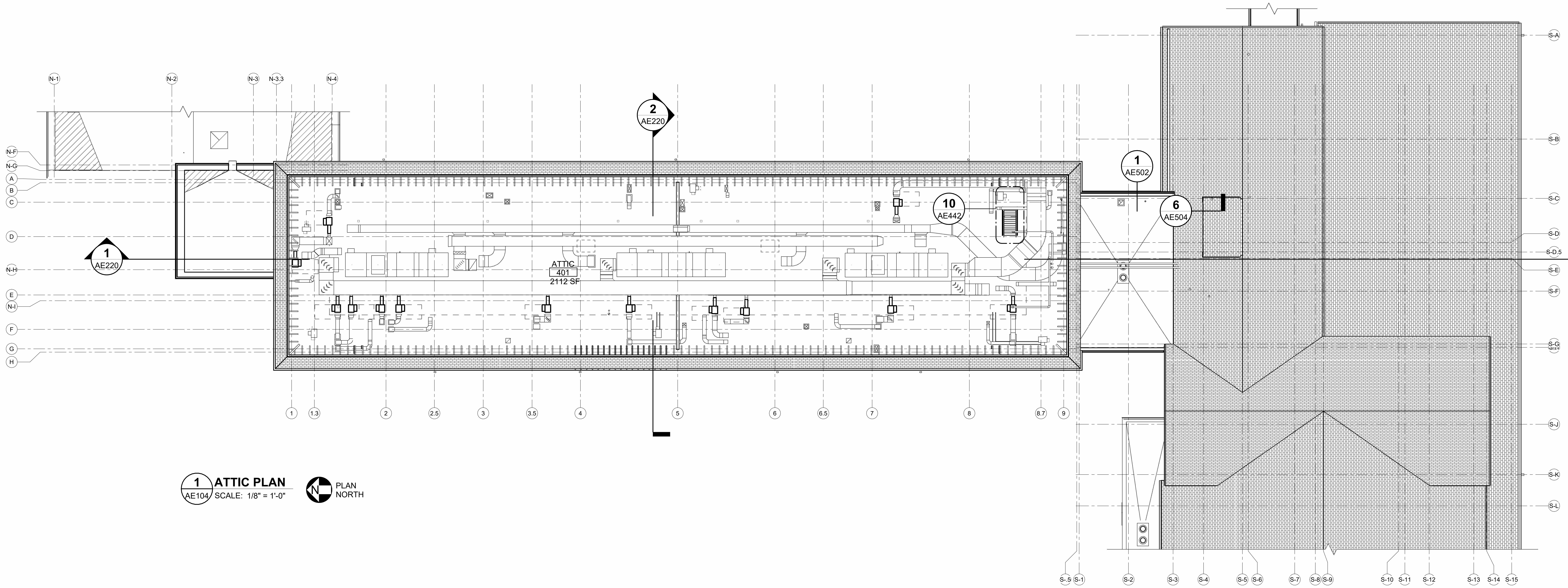
DRAWN BY: MJD
CHECK BY: CET
NO.
DATE 01/29/2025

DEPARTMENT OF INLAND FISHERIES & WILDLIFE

TITLE NEW OFFICE HEADQUARTERS
LOCATION AUGUSTA, ME
TITLE THIS DWG.
THIRD FLOOR PLAN

OAK POINT ASSOCIATES
ARCHITECTURE ◻ ENGINEERING ◻ PLANNING
231 Main Street, Biddeford, Maine 04005 207.283.0193

DRAWING NO. AE103
SHEET NO. 102 OF 239



1 ATTIC PLAN
AE104 SCALE: 1/8" = 1'-0"

PLAN NORTH

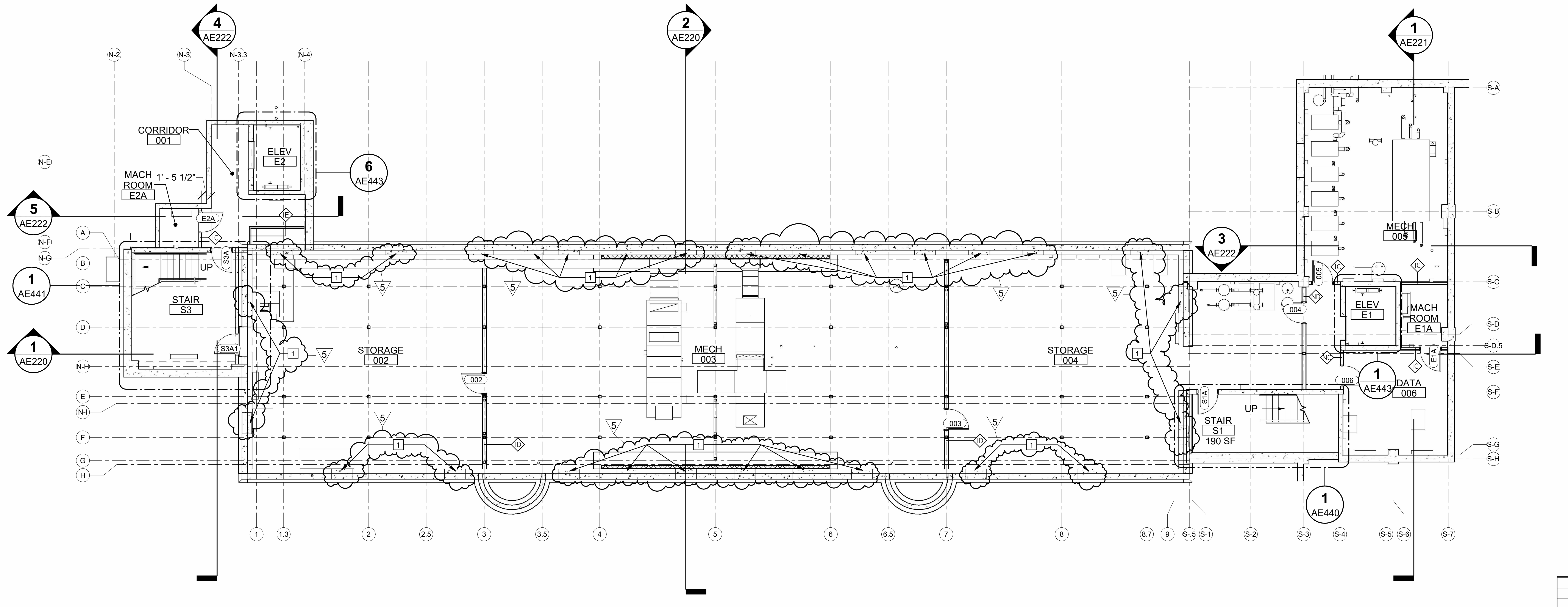
GENERAL NOTES

1. SEE SHEET AE001 FOR WALL TYPES. COORDINATE RATED CONSTRUCTION AND PENETRATIONS WITH SHEETS G-108 THRU G-111 AND AE520.
2. SEE SHEETS AE101, AE102, OR AE103 FOR KEYNOTES.
3. SEE SHEETS AE105-AE108 FOR DIMENSIONS.
4. SEE SHEETS AE601-AE602 FOR DOOR SCHEDULE AND TYPES.
5. SEE SHEET AE620 FOR WINDOW, STOREFRONT, CURTAINWALL, AND BORROWED LITE TYPES.
6. SEE SHEETS AE640-AE641 FOR ROOM FINISH SCHEDULE.
7. COORDINATE WITH CIVIL, STRUCTURAL, FIRE SUPRESSION, MECHANICAL, PLUMBING, AND ELECTRICAL SHEETS.
8. SEE SHEET AE803 FOR EPOXY FLOOR EXPANSION JOINT DETAIL.
9. SEE S-002 FOR LINTEL SCHEDULE.

KEYNOTES: (THIS SHEET ONLY)

1 FOUNDATION WALL INFILL, SEE STRUCTURAL DWG 7/SB503

5



2 BASEMENT PLAN
AE104 SCALE: 1/8" = 1'-0"

PLAN NORTH

GRAPHIC SCALE

1/8"=1'-0" 8' 4' 0 8' 16'

CHECK GRAPHIC SCALE BEFORE USING

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NO.	DATE	DESCRIPTION	BY
5	03/06/2025	ADDENDUM NO.5	HMG
1	02/13/2025	ADDENDUM NO.1	HMG

REVISIONS

TYLER G. BARTER No. 2952
1-29-25

DRAWN BY: MJD
CHECK BY: CET
NO.
DATE 01/29/2025

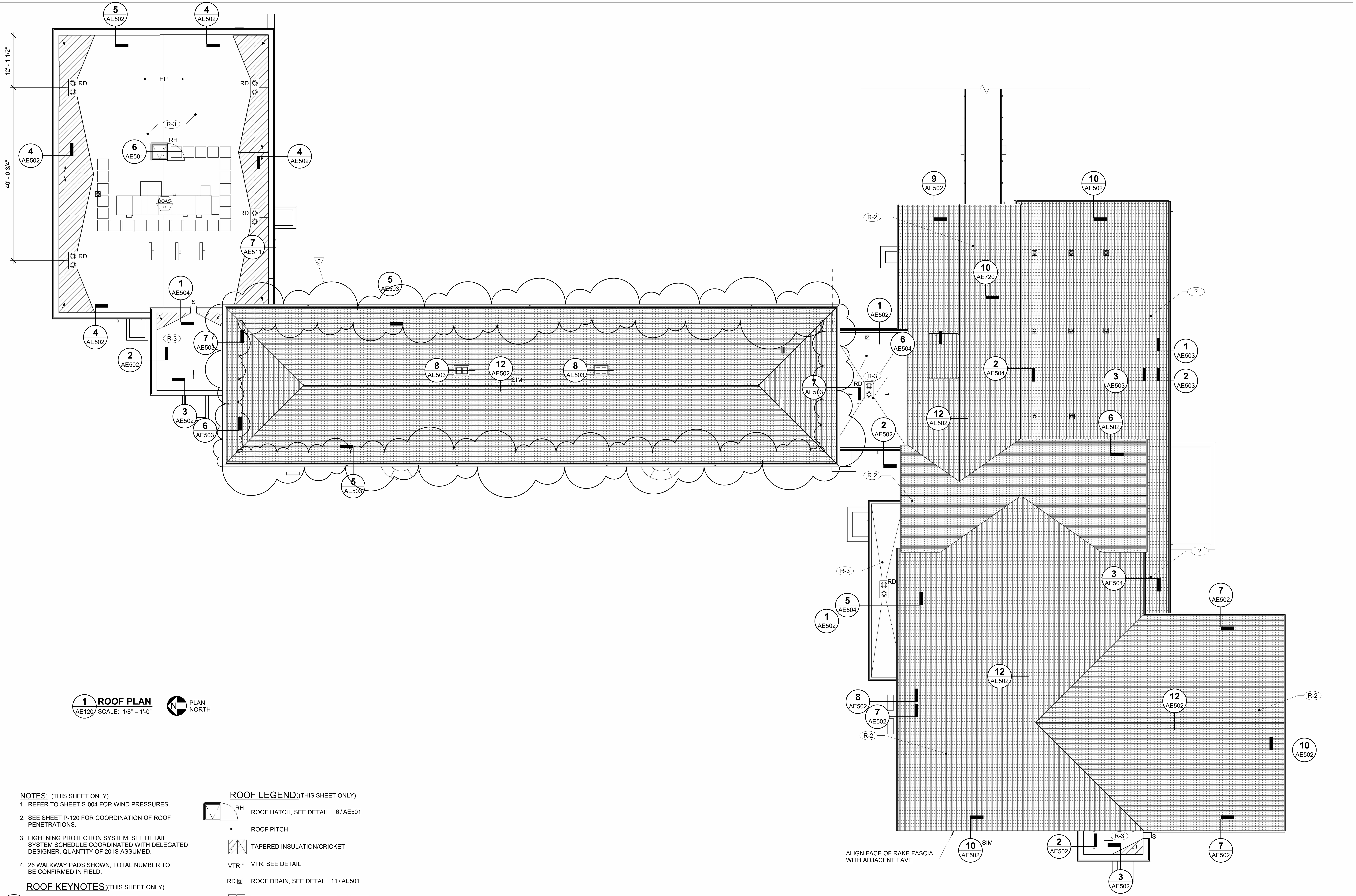
DEPARTMENT OF INLAND FISHERIES & WILDLIFE

TITLE NEW OFFICE HEADQUARTERS
LOCATION AUGUSTA, ME

TITLE THIS DWG.
BASEMENT AND ATTIC FLOOR PLANS

OAK POINT ASSOCIATES
ARCHITECTURE ■ ENGINEERING ■ PLANNING
231 Main Street, Biddeford, Maine 04005 207.283.0193

DRAWING NO. AE104
SHEET NO. 103 OF 239



1 ROOF PLAN
AE120 SCALE: 1/8" = 1'-0"

NOTES: (THIS SHEET ONLY)

1. REFER TO SHEET S-004 FOR WIND PRESSURES.
2. SEE SHEET P-120 FOR COORDINATION OF ROOF PENETRATIONS.
3. LIGHTNING PROTECTION SYSTEM, SEE DETAIL SYSTEM SCHEDULE COORDINATED WITH DELEGATED DESIGNER. QUANTITY OF 20 IS ASSUMED.
4. 26 WALKWAY PADS SHOWN, TOTAL NUMBER TO BE CONFIRMED IN FIELD.

ROOF KEYNOTES: (THIS SHEET ONLY)

R-1	SHINGLE ROOF, SEE DETAIL 3 / AE501
R-2	SHINGLE ROOF, SEE DETAIL 2 / AE501
R-3	EPDM ROOF SYSTEM, SEE DETAIL 1 / AE501

ROOF LEGEND: (THIS SHEET ONLY)

RH	ROOF HATCH, SEE DETAIL 6 / AE501
←	ROOF PITCH
▨	TAPERED INSULATION/CRICKET
VTR ○	VTR, SEE DETAIL
RD ◎	ROOF DRAIN, SEE DETAIL 11 / AE501
☐☐	WALK WAY PAD, SEE DETAIL 11 / AE502
S	SCUPPER, SEE DETAIL 4 / AE504
⬡ 1i	MECHANICAL EQUIPMENT, SEE DETAILS 4 / AE501 AND 10 / AE501
AP	GUARDIAN CB-18 ROOF ANCHOR POST

GRAPHIC SCALE
1/8"=1'-0" 8' 4' 0 8' 16'
CHECK GRAPHIC SCALE BEFORE USING

NO.	DATE	DESCRIPTION	BY
5	03/06/2025	ADDENDUM NO.5	HMG

REVISIONS

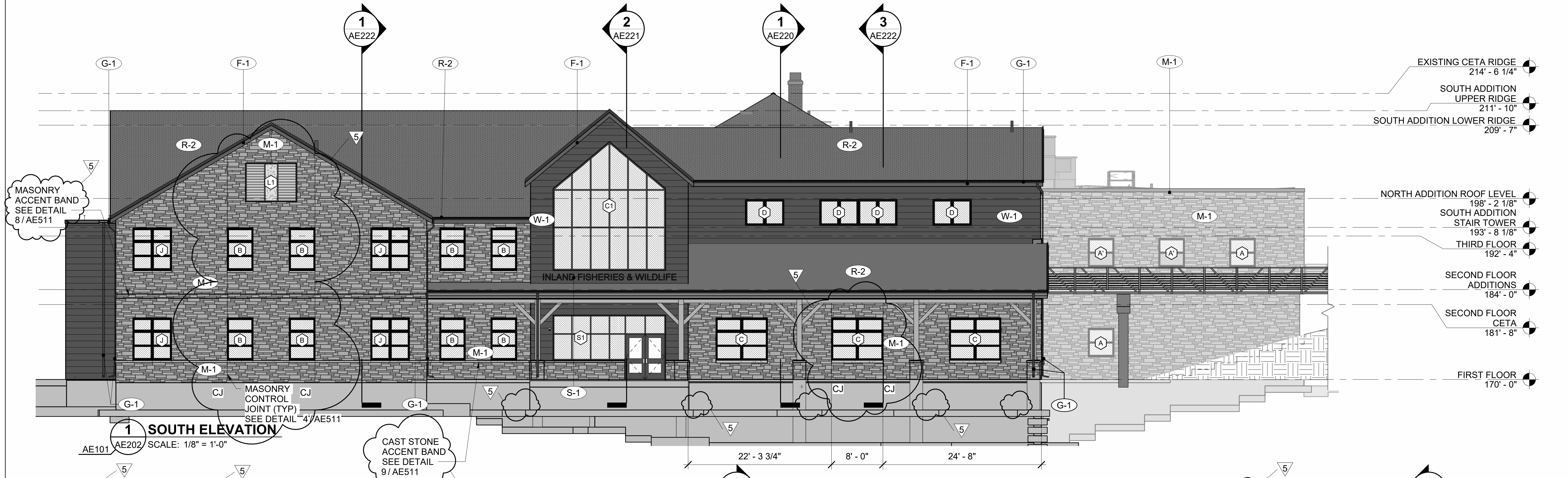
LICENSED ARCHITECT
TYLER G. BARTER
No. 2962
STATE OF MAINE
1-29-25

DRAWN BY: MJD
CHECK BY: CET
NO.
DATE 01/29/2025

DEPARTMENT OF INLAND FISHERIES & WILDLIFE
TITLE NEW OFFICE HEADQUARTERS
LOCATION AUGUSTA, ME
TITLE THIS DWG. ROOF PLAN

OAK POINT ASSOCIATES
ARCHITECTURE ▫ ENGINEERING ▫ PLANNING
231 Main Street, Biddeford, Maine 04005 207.283.0193

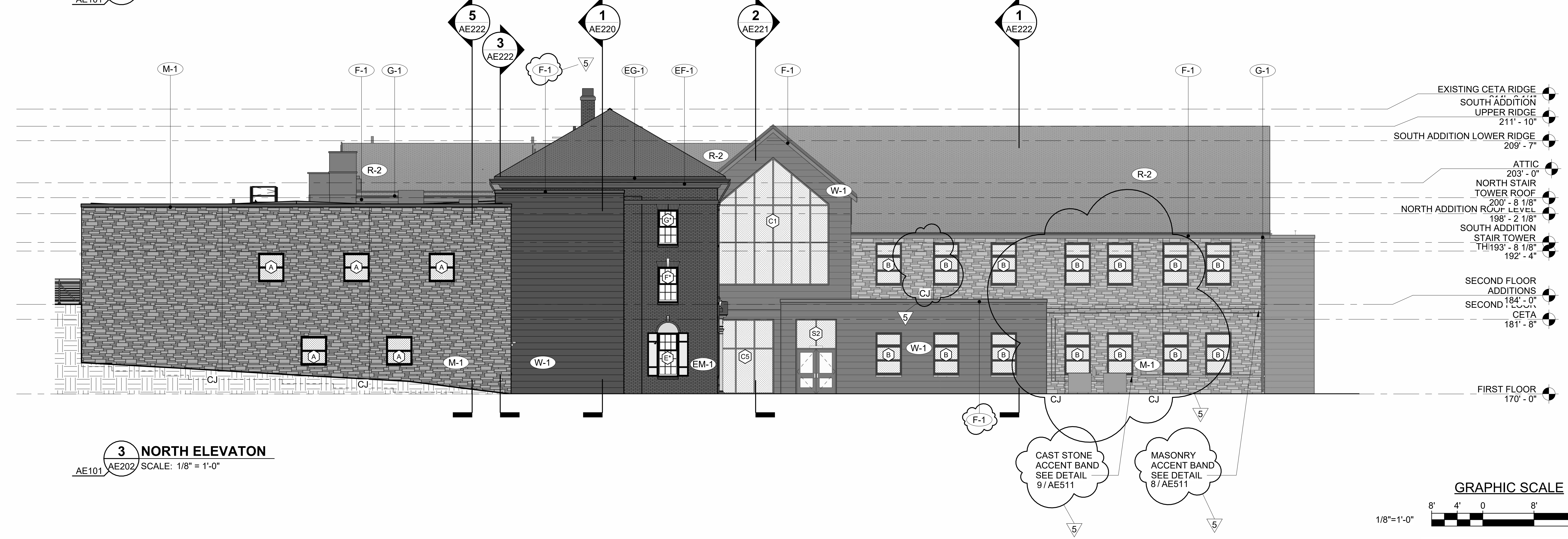
DRAWING NO. AE120


1 / AE222
2 / AE221
1 / AE220
3 / AE222
EXISTING CETA RIDGE 214' - 6 1/4"
SOUTH ADDITION UPPER RIDGE 211' - 10"
SOUTH ADDITION LOWER RIDGE 209' - 7"
NORTH ADDITION ROOF LEVEL 198' - 2 1/8"
SOUTH ADDITION STAIR TOWER 193' - 8 1/8"
THIRD FLOOR 192' - 4"
SECOND FLOOR ADDITIONS 184' - 0"
SECOND FLOOR CETA 181' - 8"
FIRST FLOOR 170' - 0"
INLAND FISHERIES & WILDLIFE
MASONRY ACCENT BAND SEE DETAIL 8 / AE511
MASONRY CONTROL JOINT (TYP) SEE DETAIL 4 / AE511
CAST STONE ACCENT BAND SEE DETAIL 9 / AE511
22' - 3 3/4"
8' - 0"
24' - 8"
R-2
M-1
W-1
G-1
F-1
S-1
CJ
5

1 SOUTH ELEVATION
AE101 AE202 SCALE: 1/8" = 1'-0"

6 / AE222
4 / AE222
2 / AE220
1 / AE221
3 / AE221
2 / AE222
EXISTING CETA RIDGE 214' - 6 1/4"
SOUTH ADDITION UPPER RIDGE 211' - 10"
SOUTH ADDITION LOWER RIDGE 209' - 7"
ATTIC
SOUTH STAIR
NORTH STAIR TOWER ROOF 200' - 8 1/8"
NORTH ADDITION ROOF LEVEL 198' - 2 1/8"
SOUTH ADDITION STAIR TOWER 193' - 8 1/8"
THIRD FLOOR 192' - 4"
SECOND FLOOR ADDITIONS 184' - 0"
SECOND FLOOR CETA 181' - 8"
FIRST FLOOR 170' - 0"
CAST STONE ACCENT BAND SEE DETAIL 9 / AE511
MASONRY ACCENT BAND SEE DETAIL 8 / AE511
EF-1
EG-1
EM-1
E08
E07
E06
E05
E04
E02
M-1
W-1
R-2
CJ

2 WEST ELEVATION
AE101 AE202 SCALE: 1/8" = 1'-0"


5 / AE222
3 / AE222
1 / AE220
2 / AE221
1 / AE222
EXISTING CETA RIDGE
SOUTH ADDITION UPPER RIDGE 211' - 10"
SOUTH ADDITION LOWER RIDGE 209' - 7"
ATTIC 203' - 0"
NORTH STAIR TOWER ROOF 200' - 8 1/8"
NORTH ADDITION ROOF LEVEL 198' - 2 1/8"
SOUTH ADDITION STAIR TOWER 193' - 8 1/8"
192' - 4"
SECOND FLOOR ADDITIONS 184' - 0"
SECOND FLOOR CETA 181' - 8"
FIRST FLOOR 170' - 0"
CAST STONE ACCENT BAND SEE DETAIL 9 / AE511
MASONRY ACCENT BAND SEE DETAIL 8 / AE511
M-1
W-1
R-2
EM-1
CJ

3 NORTH ELEVATON
AE101 AE202 SCALE: 1/8" = 1'-0"

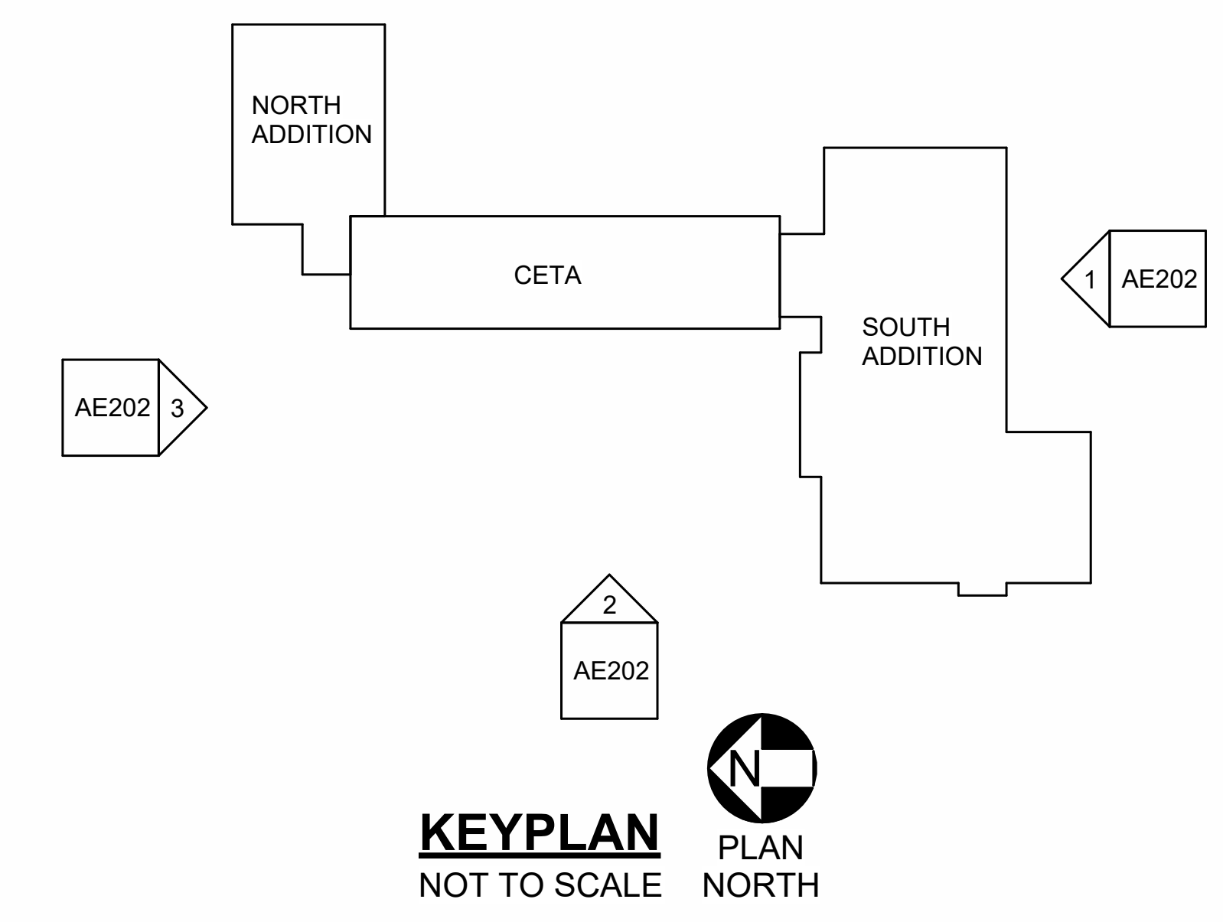
GENERAL NOTES

1. SEE SHEETS AE601-AE602 FOR DOOR SCHEDULE AND TYPES.
2. SEEE SHEET AE620 FOR WINDOW, STOEFRONT, CURTAINWALL, AND BORROWED LITE TYPES.
3. COORDINATE WITH CIVIL, STRUCTURAL, FIRE SUPRESSION, MECHANICAL, PLUMBING, AND ELECTRICAL SHEETS.
4. SEE S-002 FOR LINTEL SCHEDULE.

5

GENERAL MATERIALS KEYNOTES

TAG	MATERIAL	DESCRIPTION
EF-1	GALVANIZED FASICA	FASCIA AND DECORATIVE TRIM, TO MATCH ORIGINAL
EG-1	GUTTER SYSTEM	COPPER GUTTERS AND DOWNSPOUTS, TO MATCH ORIGINAL
EM-1	BRICK MASONRY	EXISTING BRICK WALLS ARE 3 WYTHES THICK.
F-1	FASCIA TYPE	METAL FASCIA CLIP
G-1	GUTTER SYSTEM	METAL GUTTER SYSTEM AND DOWNSPOUT
M-1	MASONRY STONE VENEER	ARRISCRAFT
R-1	ASPHALT ROOF (CETA)	CERTAINTEED, LANDMARK, HUNTER GREEN
R-2	ASPHALT ROOF	CERTAINTEED, LANDMARK, HUNTER GREEN
S-1	DIMENSIONAL LETTER SIGNAGE	CAST ALUMINUM CHARTACTERS, 12" HIGH
W-1	FIBER CEMENT PANEL SIDING	NICHIHA, VINTAGEWOOD CEMENTITIOUS SIDING, CEDAR



KEYPLAN
NOT TO SCALE

GRAPHIC SCALE
8' 4' 0 8' 16'
1/8"=1'-0"
CHECK GRAPHIC SCALE BEFORE USING

NO.	DATE	DESCRIPTION	BY
5	03/06/2025	ADDENDUM NO.5	HMG
3	02/27/2025	ADDENDUM NO.3	HMG
1	02/13/2025	ADDENDUM NO.1	HMG

REVISIONS

LICENSED ARCHITECT
TYLER G. BARTER
No. 2962
STATE OF MAINE
1-29-25

DRAWN BY: MJD
CHECK BY: CET
NO.
DATE 01/29/2025

DEPARTMENT OF INLAND FISHERIES & WILDLIFE
TITLE NEW OFFICE HEADQUARTERS
LOCATION AUGUSTA, ME
TITLE THIS DWG. BUILDING ELEVATIONS 1

OAK POINT ASSOCIATES
ARCHITECTURE ▫ ENGINEERING ▫ PLANNING
231 Main Street, Biddeford, Maine 04005 207.283.0193

DRAWING NO. AE202
SHEET NO. 110 OF 239

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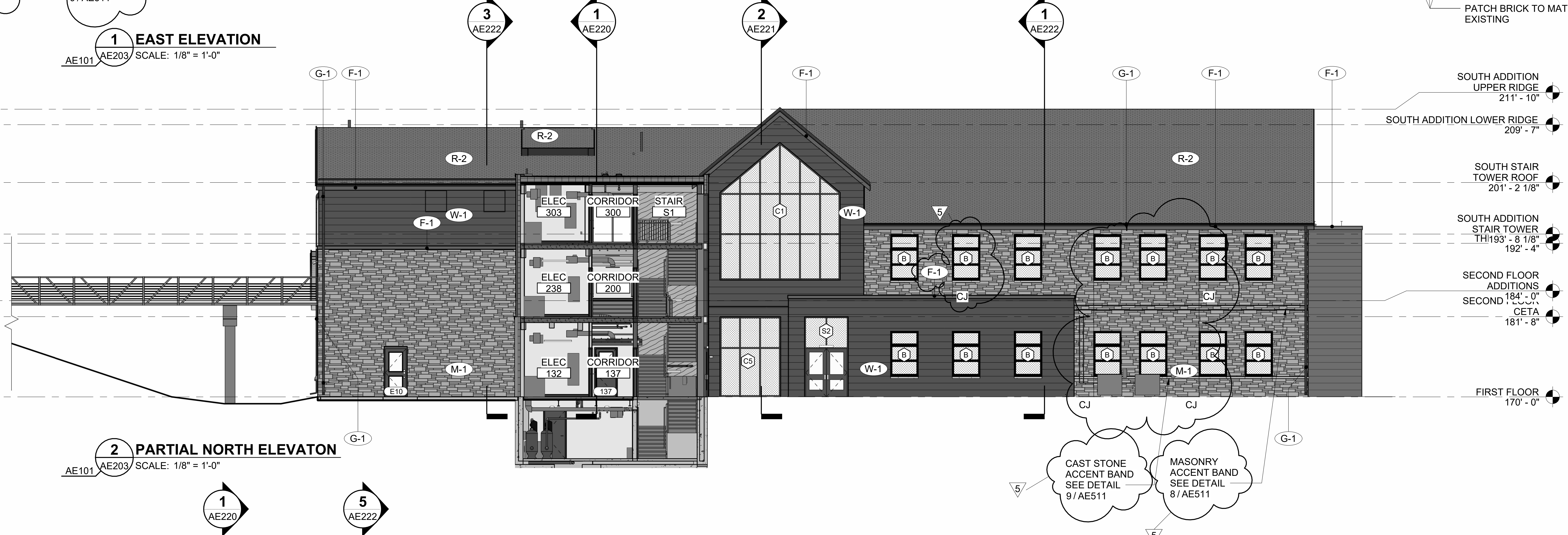
2 AE222
3 AE221
1 AE221
2 AE220
4 AE222
6 AE222
1 AE502
R-2
F-1
G-1
EG-1
EF-1
M-1
W-1
T-1
EM-1
CJ
EXISTING CETA RIDGE 214' - 6 1/4"
SOUTH ADDITION UPPER RIDGE 211' - 10"
SOUTH ADDITION LOWER RIDGE 209' - 7"
ATTIC SOUTH STAIR TOWER ROOF 201' - 2 1/8"
NORTH ADDITION ROOF LEVEL 198' - 2 1/8"
THIRD FLOOR 192' - 4"
SECOND FLOOR ADDITIONS 184' - 0"
SECOND FLOOR CETA 181' - 8"
FIRST FLOOR 170' - 0"
MASONRY CONTROL JOINT (TYP) SEE DETAIL 4 / AE511
MASONRY ACCENT BAND SEE DETAIL 8 / AE511
CAST STONE ACCENT BAND SEE DETAIL 9 / AE511
INSTALL NEW PVC OR EQ. WINDOW ARCH AND INSTALL SALVAGED GRANITE KEY STONE
PATCH BRICK TO MATCH EXISTING
5

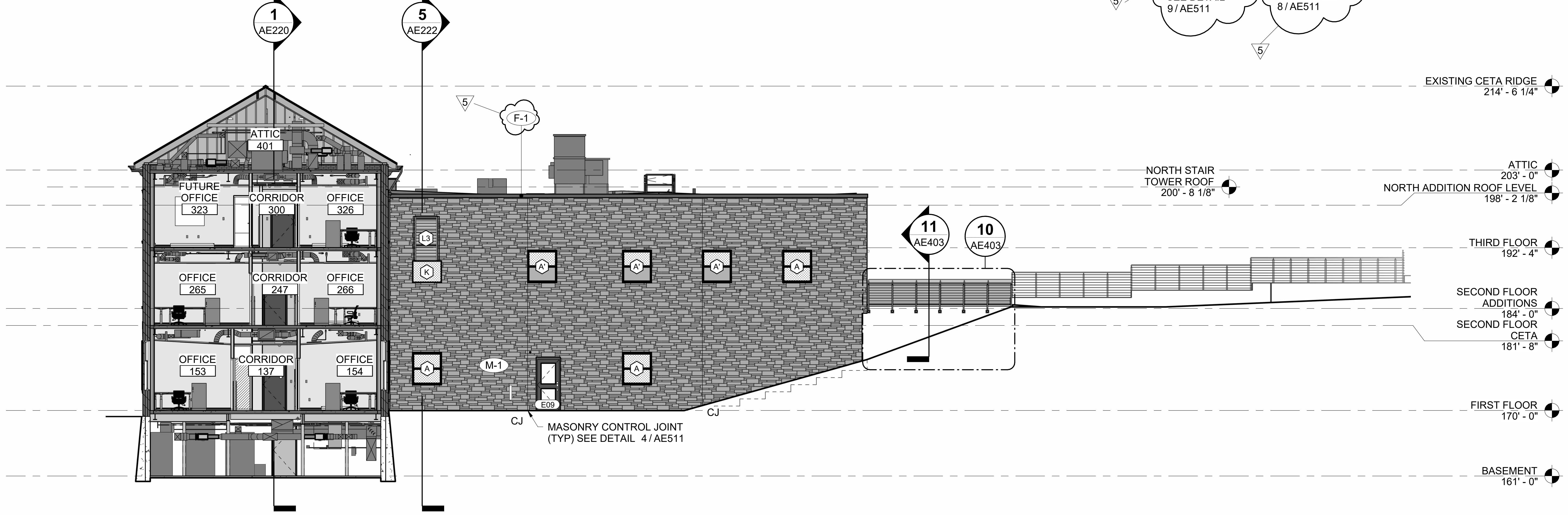
1 EAST ELEVATION

AE101 AE203 SCALE: 1/8" = 1'-0"


3 AE222
1 AE220
2 AE221
1 AE222
R-2
W-1
F-1
G-1
M-1
CJ
ELEC 303
CORRIDOR 300
STAIR S1
ELEC 238
CORRIDOR 200
ELEC 132
CORRIDOR 137
SOUTH ADDITION UPPER RIDGE 211' - 10"
SOUTH ADDITION LOWER RIDGE 209' - 7"
SOUTH STAIR TOWER ROOF 201' - 2 1/8"
SOUTH ADDITION STAIR TOWER 193' - 8 1/8"
THIRD FLOOR 192' - 4"
SECOND FLOOR ADDITIONS 184' - 0"
SECOND FLOOR CETA 181' - 8"
FIRST FLOOR 170' - 0"
CAST STONE ACCENT BAND SEE DETAIL 9 / AE511
MASONRY ACCENT BAND SEE DETAIL 8 / AE511
5

2 PARTIAL NORTH ELEVATON

AE101 AE203 SCALE: 1/8" = 1'-0"



3 PARTIAL SOUTH ELEVATION

AE101 AE203 SCALE: 1/8" = 1'-0"

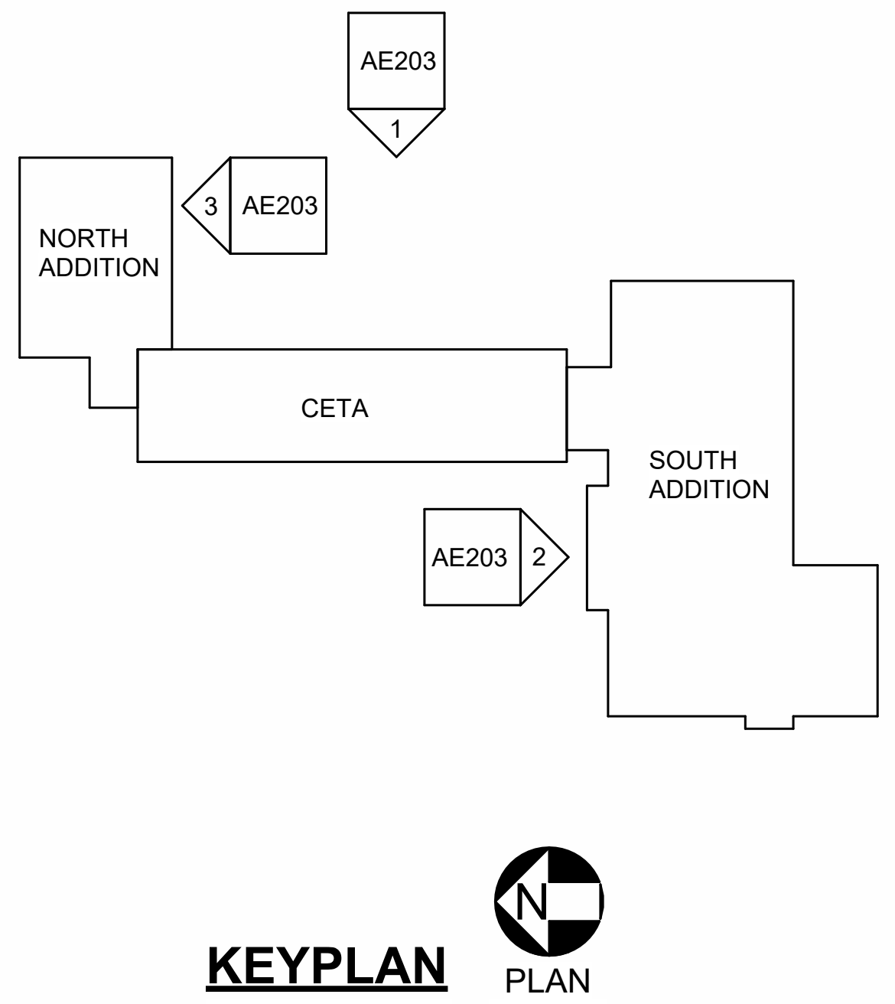
GENERAL MATERIALS KEYNOTES

TAG	MATERIAL	DESCRIPTION
EF-1	GALVANIZED FASICA	FASCIA AND DECORATIVE TRIM, TO MATCH ORIGINAL
EG-1	GUTTER SYSTEM	COPPER GUTTERS AND DOWNSPOUTS, TO MATCH ORIGINAL
EM-1	BRICK MASONRY	EXISTING BRICK WALLS ARE 3 WYTHES THICK.
F-1	FASCIA TYPE	METAL FASCIA CLIP
G-1	GUTTER SYSTEM	METAL GUTTER SYSTEM AND DOWNSPOUT
M-1	MASONRY STONE VENEER	ARRISCRAFT
R-1	ASPHALT ROOF (CETA)	CERTAINTEED, LANDMARK, HUNTER GREEN
R-2	ASPHALT ROOF	CERTAINTEED, LANDMARK, HUNTER GREEN
S-1	DIMENSIONAL LETTER SIGNAGE	CAST ALUMINUM CHARTACTERS, 12" HIGH
W-1	FIBER CEMENT PANEL SIDING	NICHIHA, VINTAGEWOOD CEMENTITIOUS SIDING, CEDAR

GENERAL NOTES

1. SEE SHEETS AE601-AE602 FOR DOOR SCHEDULE AND TYPES.
2. SEEE SHEET AE620 FOR WINDOW, STOEFRONT, CURTAINWALL, AND BORROWED LITE TYPES.
3. COORDINATE WITH CIVIL, STRUCTURAL, FIRE SUPRESSION, MECHANICAL, PLUMBING, AND ELECTRICAL SHEETS.
4. SEE S-002 FOR LINTEL SCHEDULE.

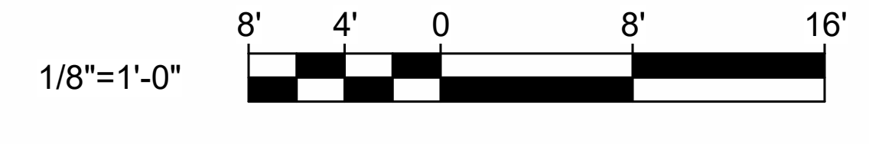
5



KEYPLAN
NOT TO SCALE

PLAN NORTH

GRAPHIC SCALE



CHECK GRAPHIC SCALE BEFORE USING

NO.	DATE	DESCRIPTION	BY
5	03/06/2025	ADDENDUM NO.5	HMG
3	02/27/2025	ADDENDUM NO.3	HMG

REVISIONS

TYLER G. BARTER
No. 2962
1-29-25

DRAWN BY: MJD
CHECK BY: CET
NO.
DATE 01/29/2025

DEPARTMENT OF INLAND FISHERIES & WILDLIFE

TITLE NEW OFFICE HEADQUARTERS
LOCATION AUGUSTA, ME
TITLE THIS DWG. BUILDING ELEVATIONS 2

OAK POINT ASSOCIATES
ARCHITECTURE ■ ENGINEERING ■ PLANNING
231 Main Street, Biddeford, Maine 04005 207.283.0193

DRAWING NO. AE203
SHEET NO. 111 OF 239

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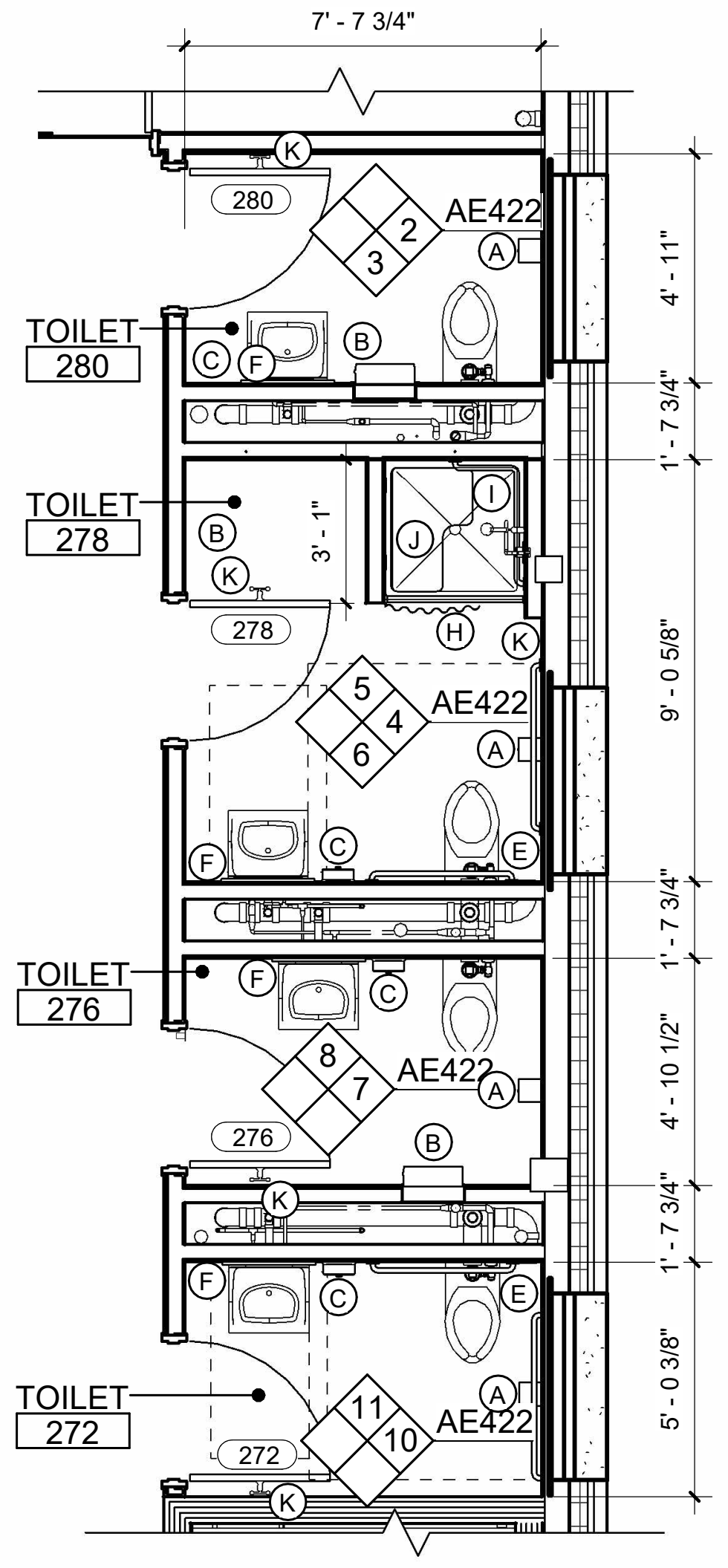
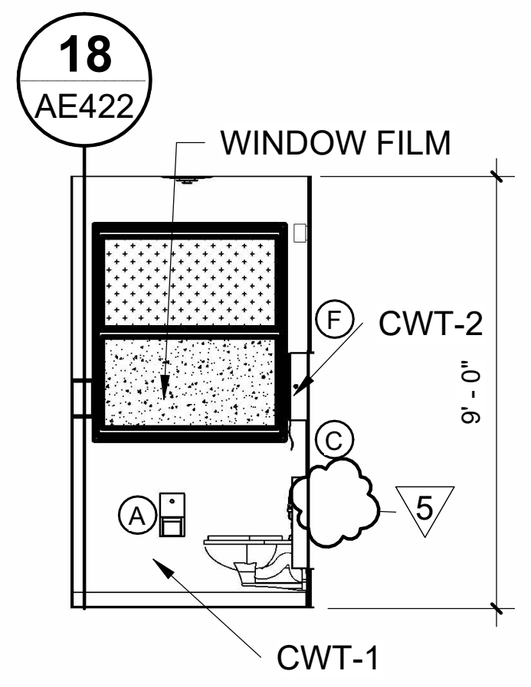
GENERAL NOTES

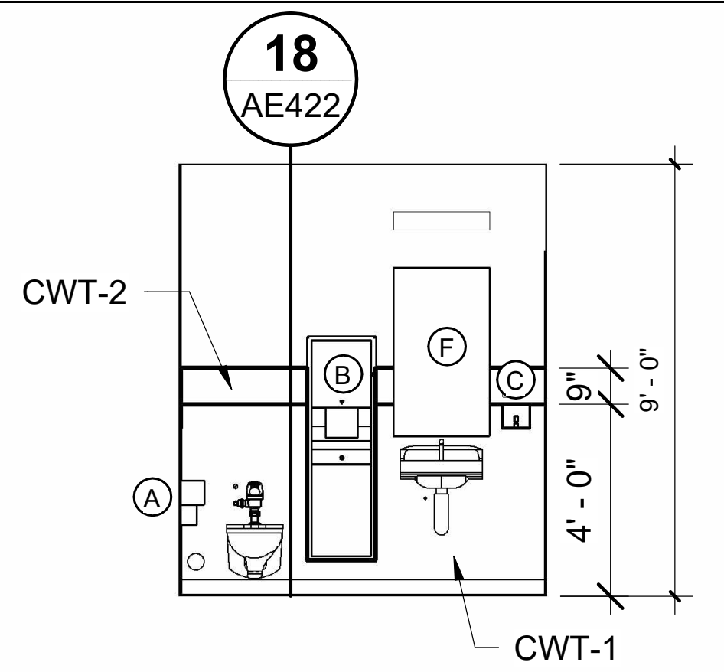
1. SEE SHEETS AE101, AE102, OR AE103 FOR KEYNOTES.
2. SEE SHEET AE420 FOR MOUNTING HEIGHTS AND RESTROOM ACCESSORY SCHEDULE.
3. SEE 17/AE422 FOR TILE PATTERN ELEVATION.
4. SEE SHEETS AE601-AE602 FOR DOOR SCHEDULE AND TYPES.
5. SEE SHEETS AE640-AE641 FOR ROOM FINISH SCHEDULE.
6. COORDINATE BLOCKING LOCATIONS W/ ACCESSORY ITEMS.



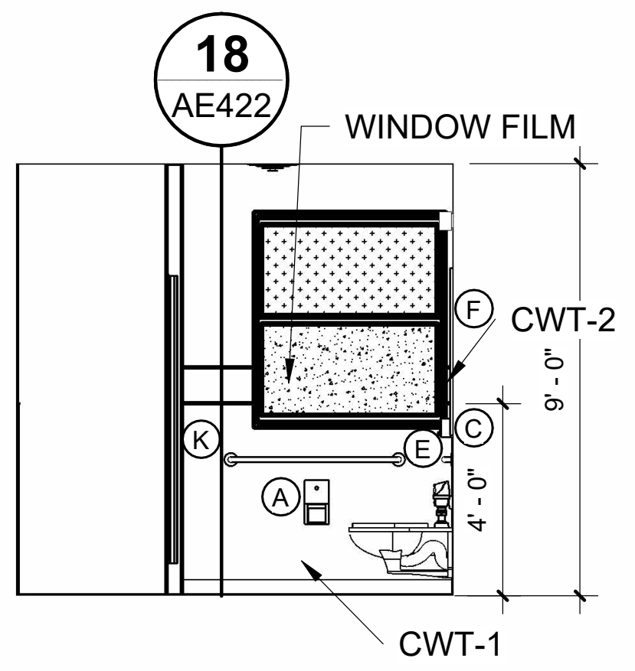
1 RESTROOM 276, 278, & 280 ENLARGED PLAN
AE102 AE422 SCALE: 1/4" = 1'-0"



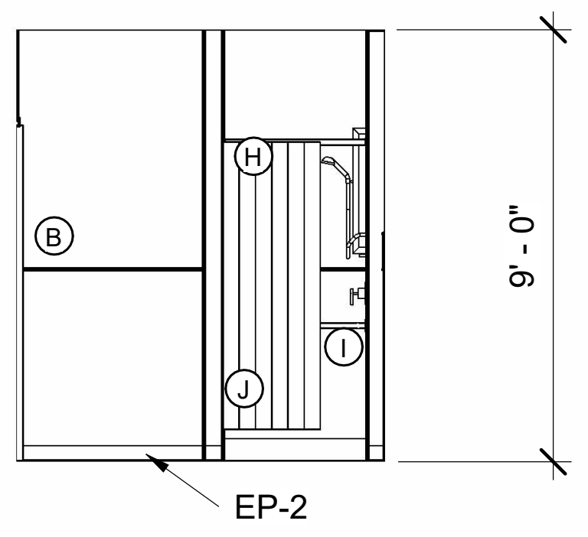
2 RESTROOM 280 SOUTH ELEVATION
AE422 AE422 SCALE: 1/4" = 1'-0"



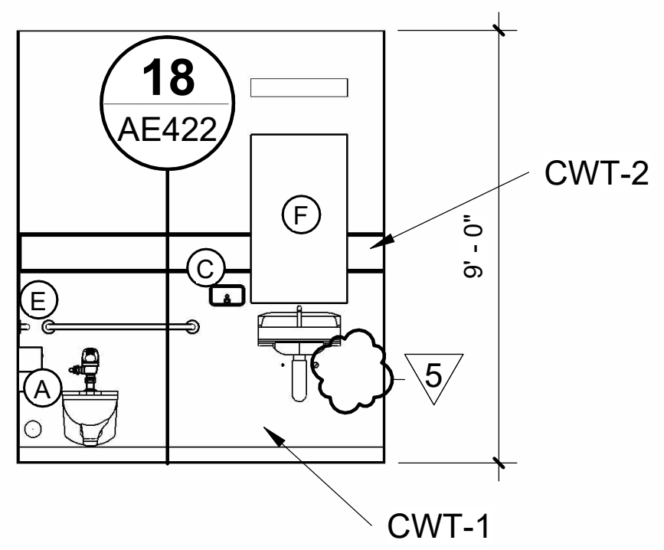
3 RESTROOM 280 WEST ELEVATION
AE422 AE422 SCALE: 1/4" = 1'-0"



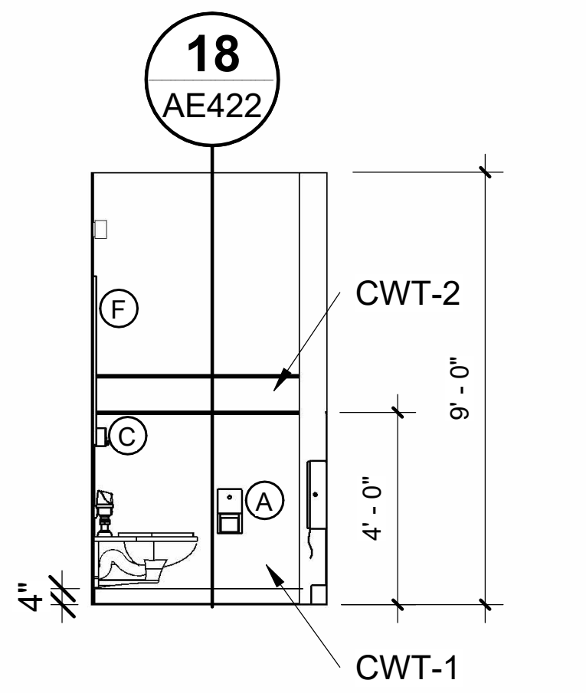
4 RESTROOM 278 SOUTH ELEVATION
AE422 AE422 SCALE: 1/4" = 1'-0"



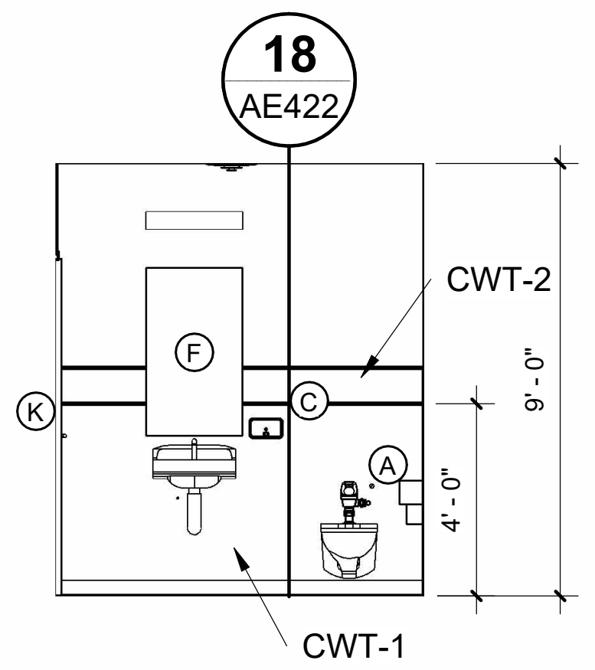
5 RESTROOM 278 EAST ELEVATION
AE422 AE422 SCALE: 1/4" = 1'-0"



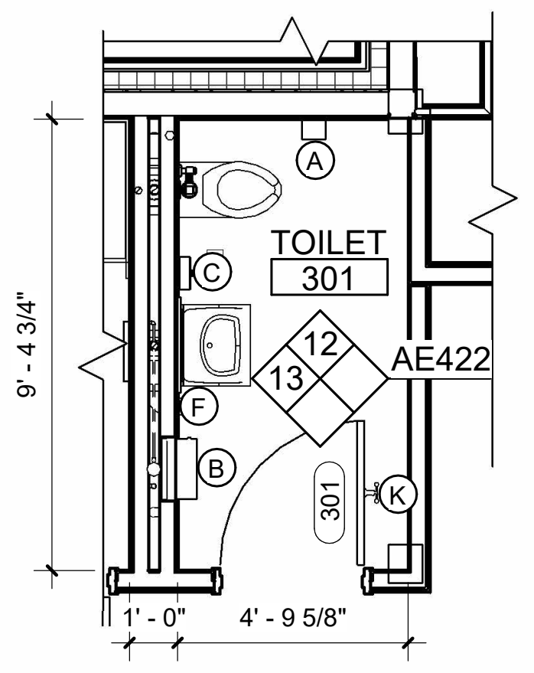
6 RESTROOM 278 WEST ELEVATION
AE422 AE422 SCALE: 1/4" = 1'-0"



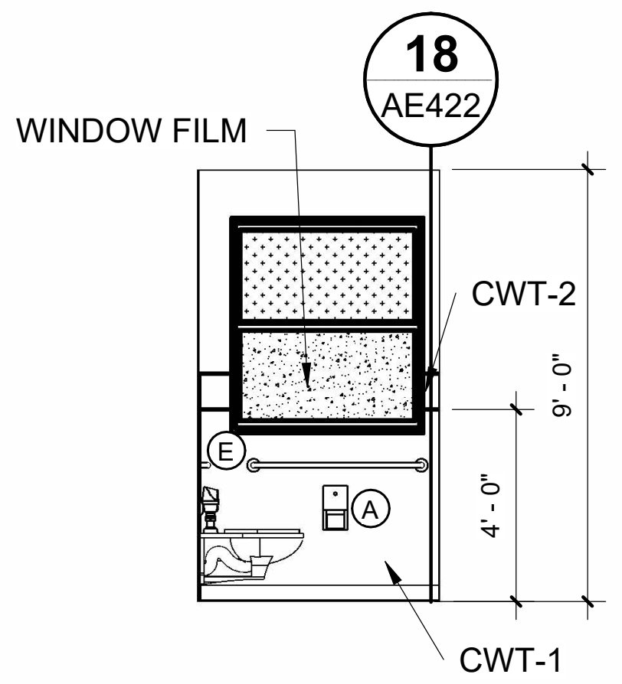
7 RESTROOM 276 SOUTH ELEVATION
AE422 AE422 SCALE: 1/4" = 1'-0"



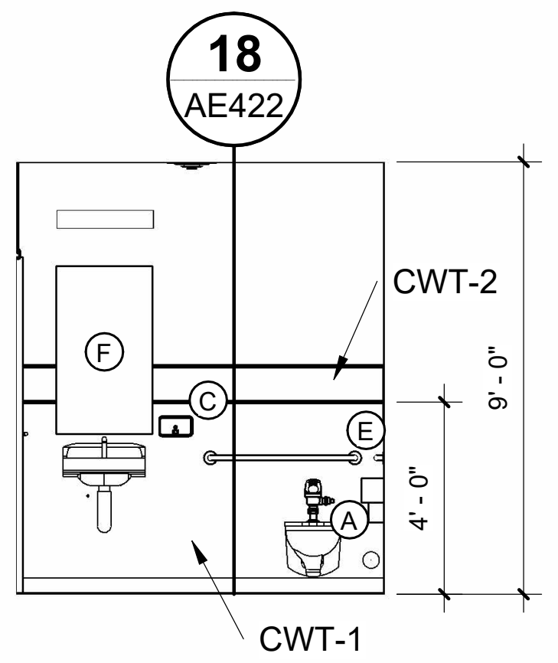
8 RESTROOM 276 EAST ELEVATION
AE422 AE422 SCALE: 1/4" = 1'-0"



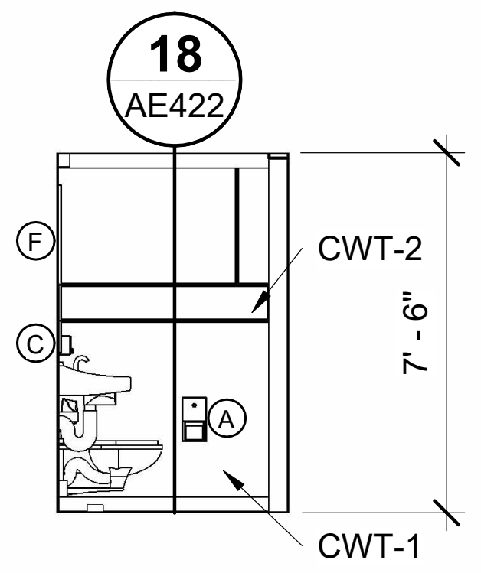
9 RESTROOM 301 ENLARGED PLAN
AE103 AE422 SCALE: 1/4" = 1'-0"



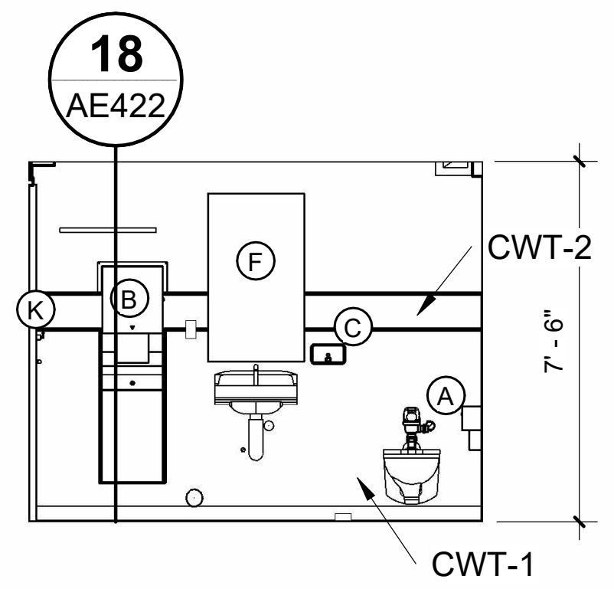
10 RESTROOM 272 SOUTH ELEVATION
AE422 AE422 SCALE: 1/4" = 1'-0"



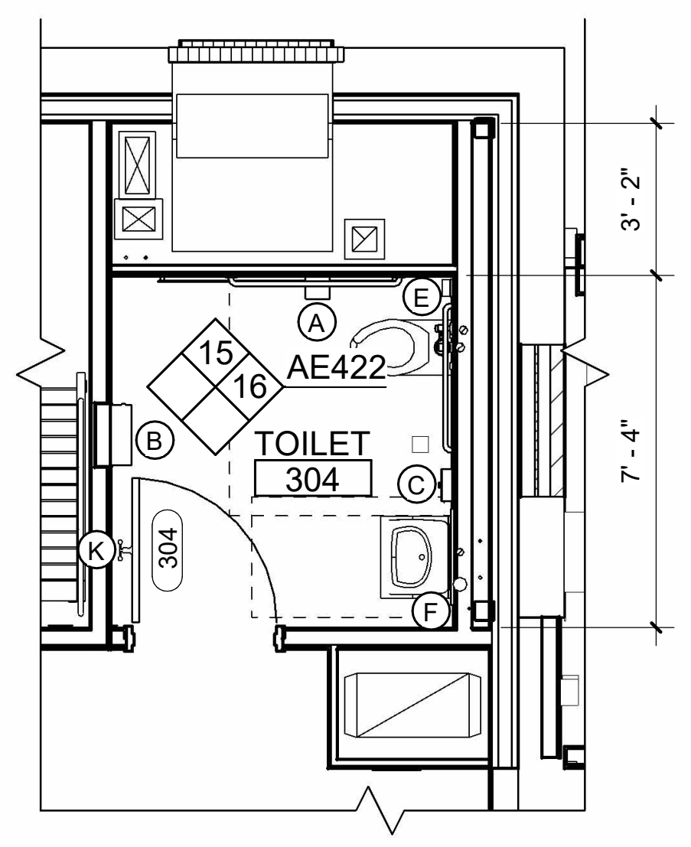
11 RESTROOM 272 EAST ELEVATION
AE422 AE422 SCALE: 1/4" = 1'-0"



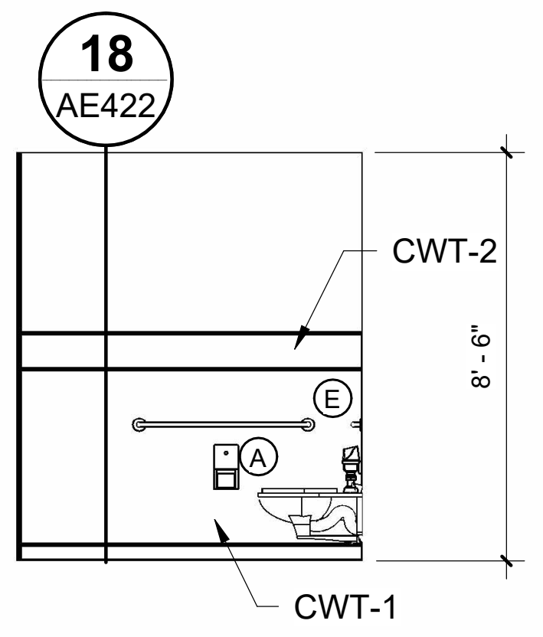
12 RESTROOM 301 EAST ELEVATION
AE422 AE422 SCALE: 1/4" = 1'-0"



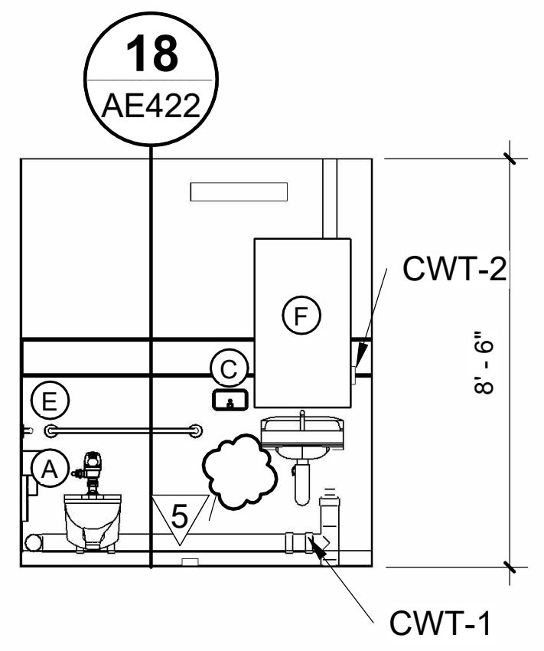
13 RESTROOM 301 NORTH ELEVATION
AE422 AE422 SCALE: 1/4" = 1'-0"



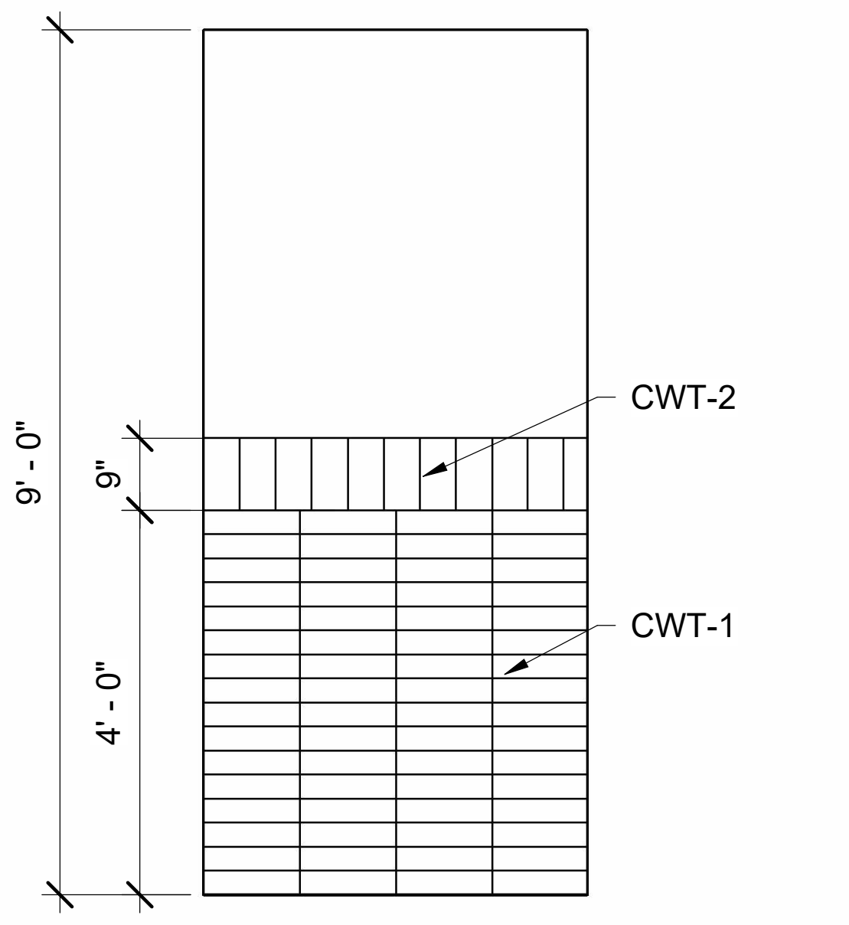
14 RESTROOM 304 ENLARGED PLAN & CORRIDOR 300
AE103 AE422 SCALE: 1/4" = 1'-0"



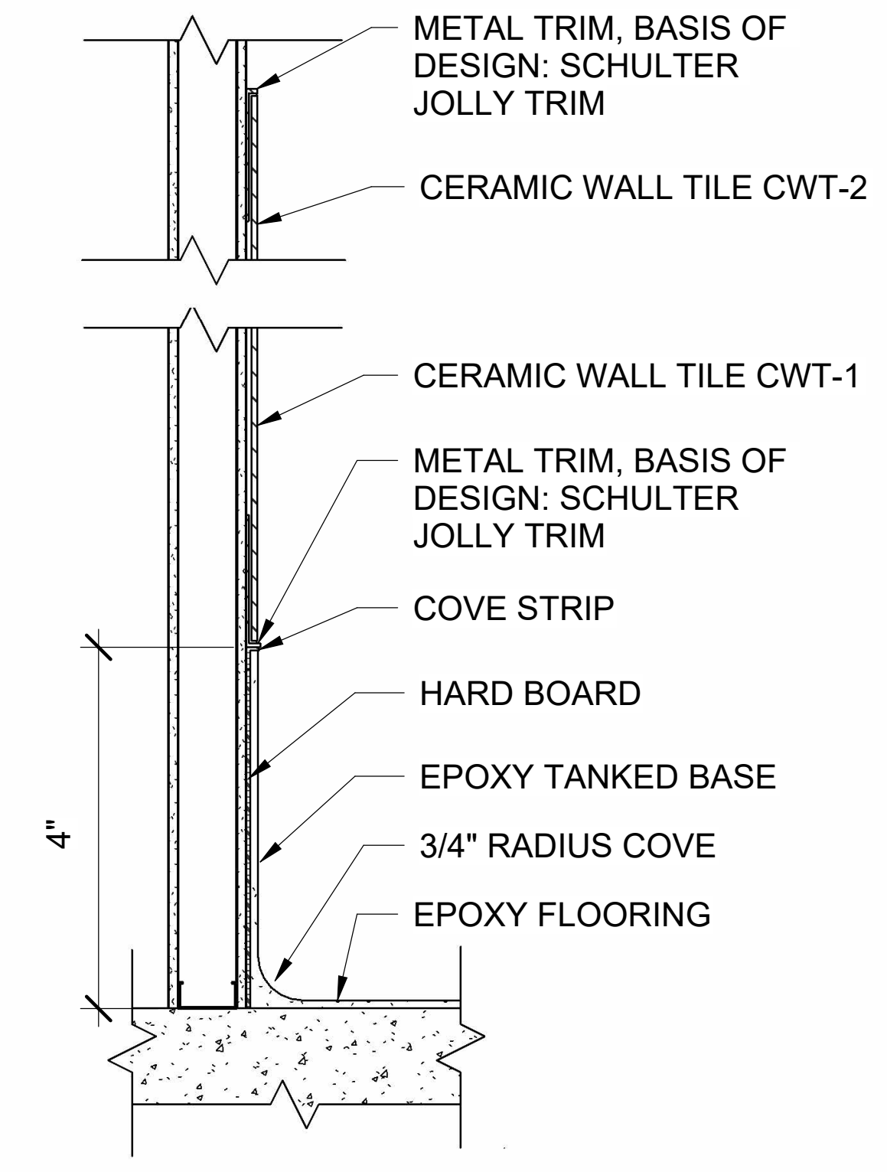
15 RESTROOM 304 EAST ELEVATION
AE422 AE422 SCALE: 1/4" = 1'-0"



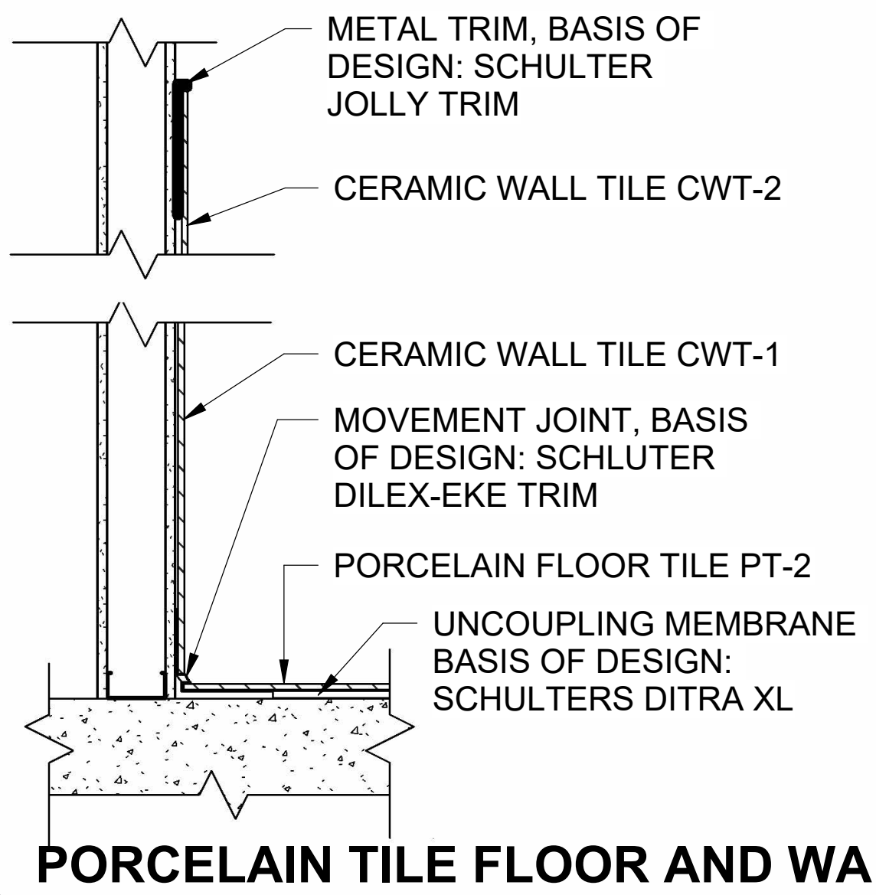
16 RESTROOM 304 SOUTH ELEVATION
AE422 AE422 SCALE: 1/4" = 1'-0"



17 TILE PATTERN ELEVATION
AE422 SCALE: 1/2" = 1'-0"

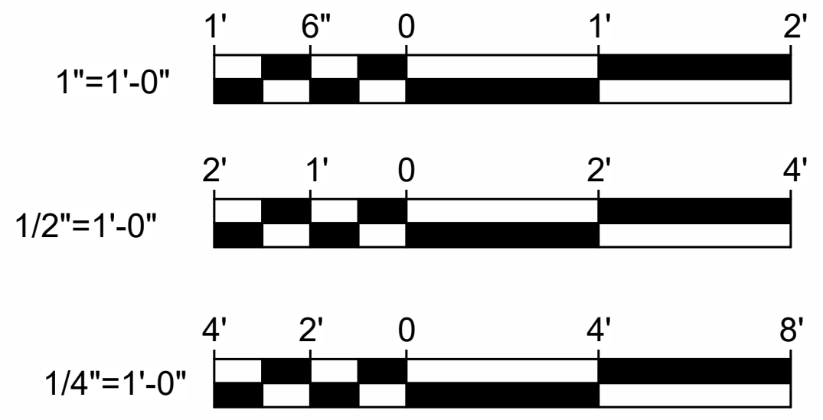


18 EPOXY FLOOR AND WALL TILE DETAIL
AE420 AE422 SCALE: 1" = 1'-0"


METAL TRIM, BASIS OF DESIGN: SCHULTER JOLLY TRIM
CERAMIC WALL TILE CWT-2
CERAMIC WALL TILE CWT-1
MOVEMENT JOINT, BASIS OF DESIGN: SCHLUTER DILEX-EKE TRIM
PORCELAIN FLOOR TILE PT-2
UNCOUPLING MEMBRANE BASIS OF DESIGN: SCHULTERS DITRA XL

19 PORCELAIN TILE FLOOR AND WALL TILE DETAIL
AE420 AE422 SCALE: 1" = 1'-0"

GRAPHIC SCALES



CHECK GRAPHIC SCALES BEFORE USING

NO.	DATE	DESCRIPTION	BY
5	03/06/2025	ADDENDUM NO.5	HMG
3	02/27/2025	ADDENDUM NO.3	HMG
1	02/13/2025	ADDENDUM NO.1	HMG

REVISIONS

TYLER G. BARTER No. 2982
1-29-25

DRAWN BY: MJD
CHECK BY: CET
NO.
DATE 01/29/2025

DEPARTMENT OF INLAND FISHERIES & WILDLIFE
TITLE NEW OFFICE HEADQUARTERS
LOCATION AUGUSTA, ME
TITLE THIS DWG. RESTROOM ENLARGED PLAN AND INTERIOR ELEVATION 3

OAK POINT ASSOCIATES
ARCHITECTURE ▫ ENGINEERING ▫ PLANNING
231 Main Street, Biddeford, Maine 04005 207.283.0193

DRAWING NO. AE422
SHEET NO. 124 OF 239

3/7/2025 12:19:14 PM
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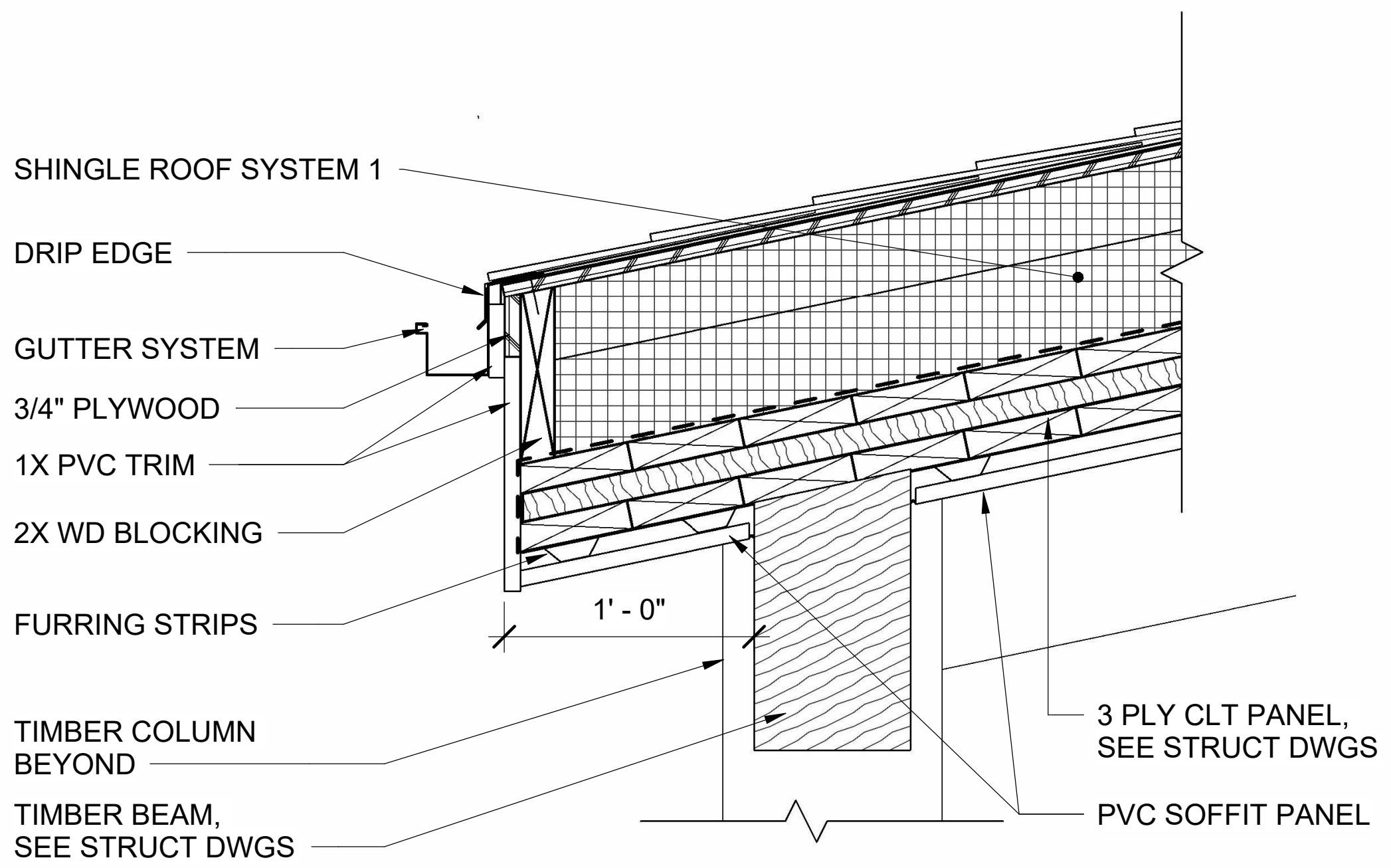
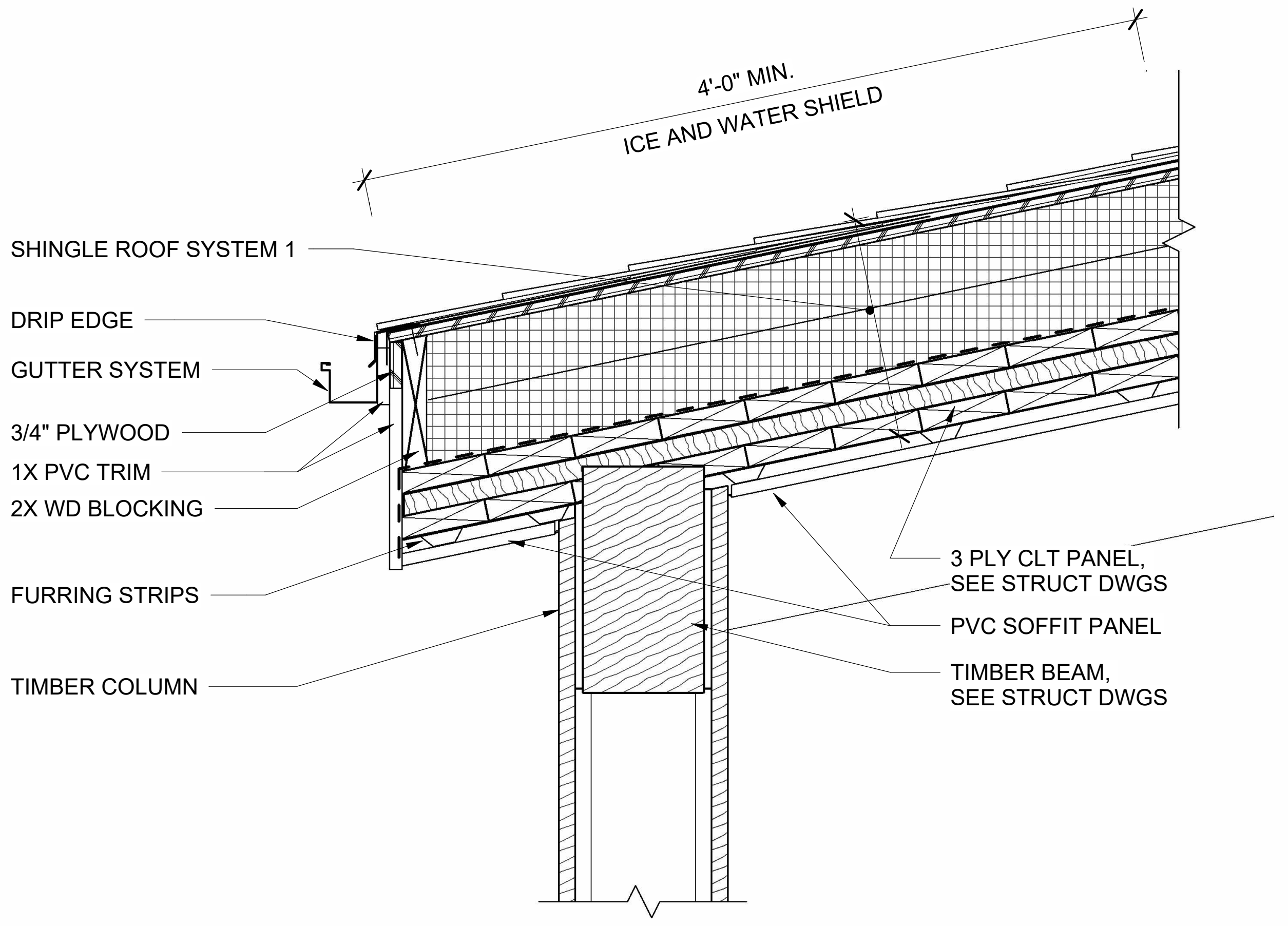


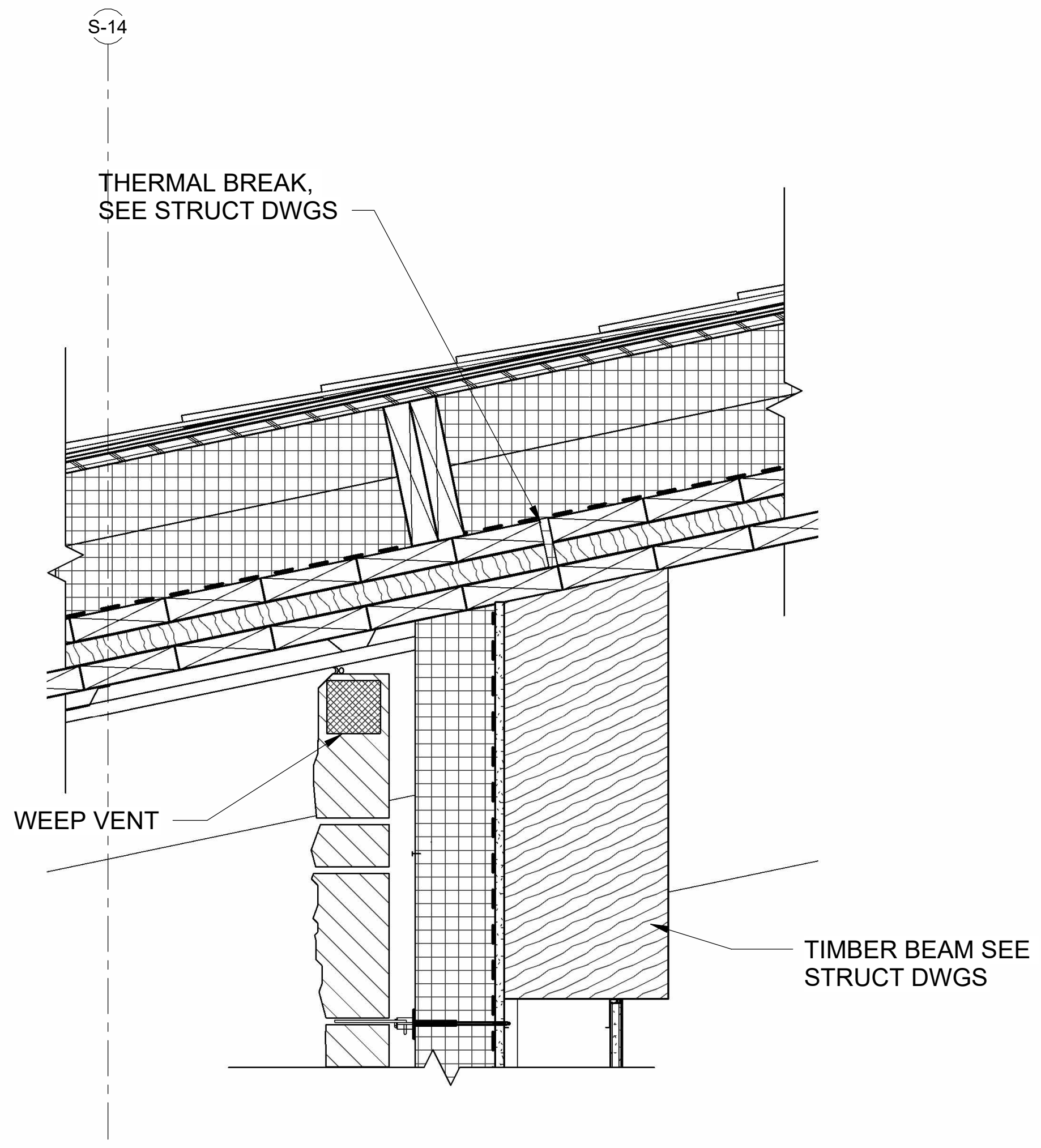
1 EAVE DETAIL @ ROOF OVERHANG, BETWEEN COLUMNS

AE120 AE503 SCALE: 1 1/2" = 1'-0"



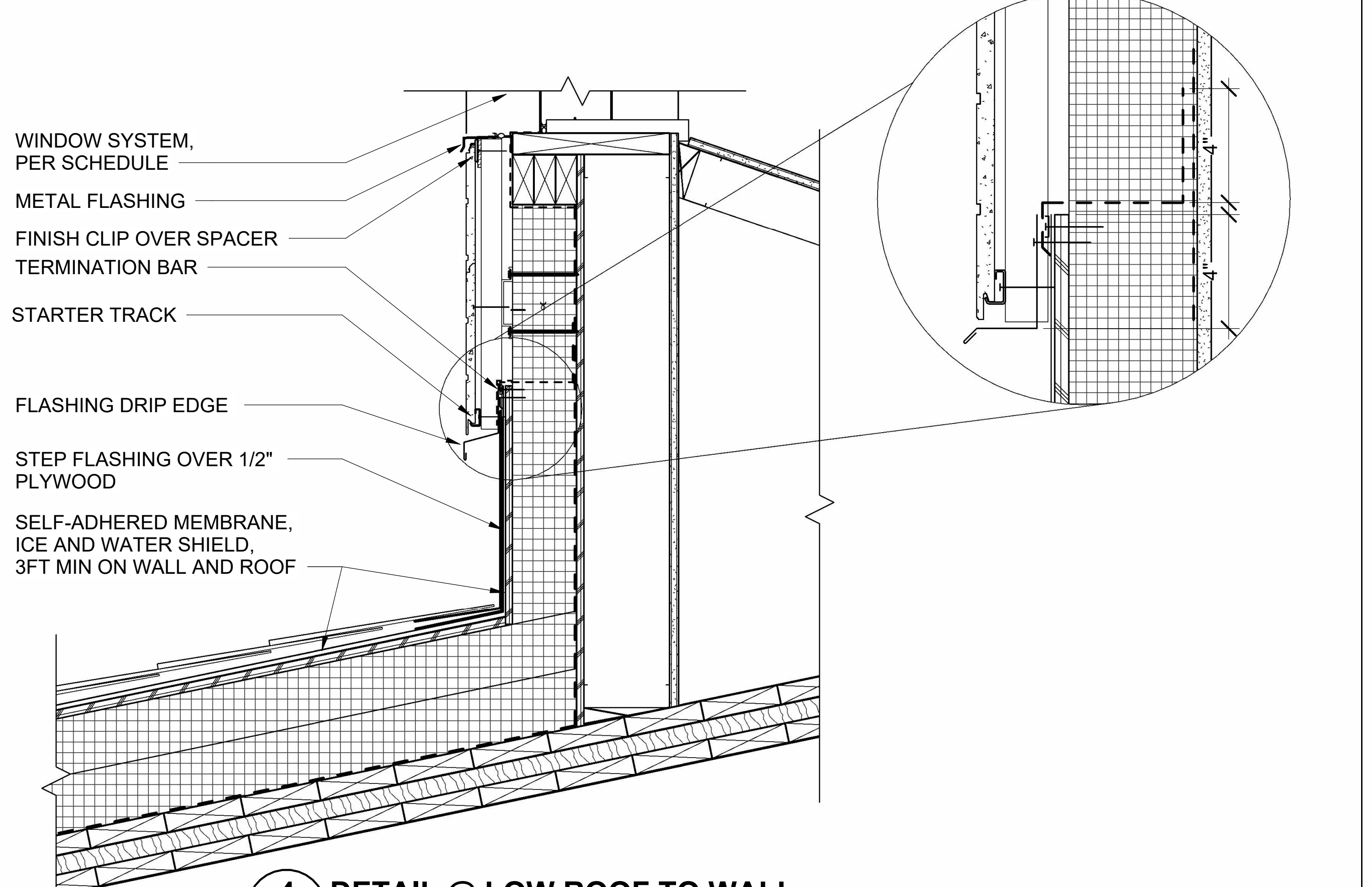
2 EAVE DETAIL @ ROOF OVERHANG

AE120 AE503 SCALE: 1 1/2" = 1'-0"



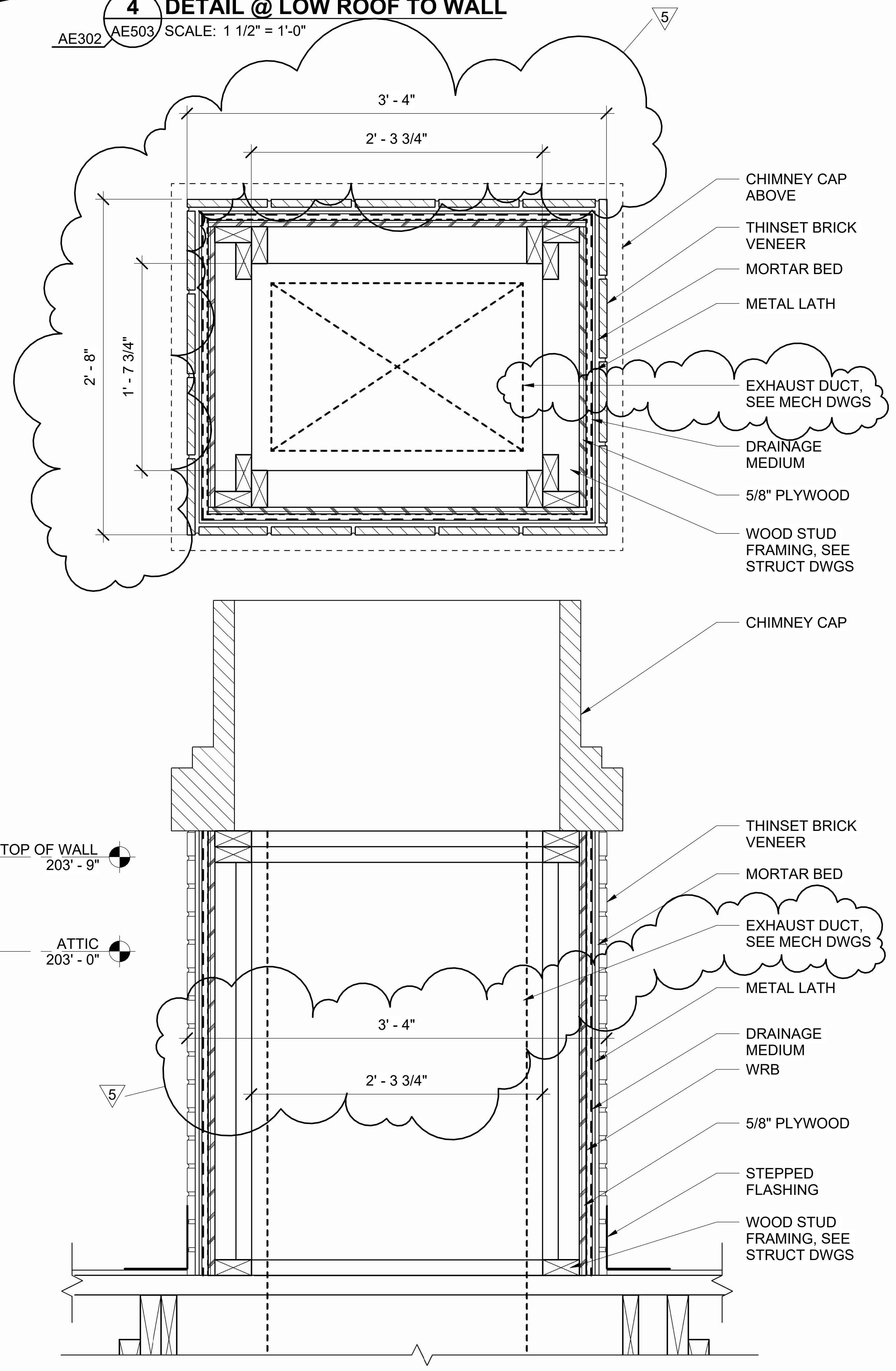
3 ROOF DETAIL

AE120 AE503 SCALE: 1 1/2" = 1'-0"


WINDOW SYSTEM, PER SCHEDULE
METAL FLASHING
FINISH CLIP OVER SPACER
TERMINATION BAR
STARTER TRACK
FLASHING DRIP EDGE
STEP FLASHING OVER 1/2" PLYWOOD
SELF-ADHERED MEMBRANE, ICE AND WATER SHIELD, 3FT MIN ON WALL AND ROOF
4"
4"

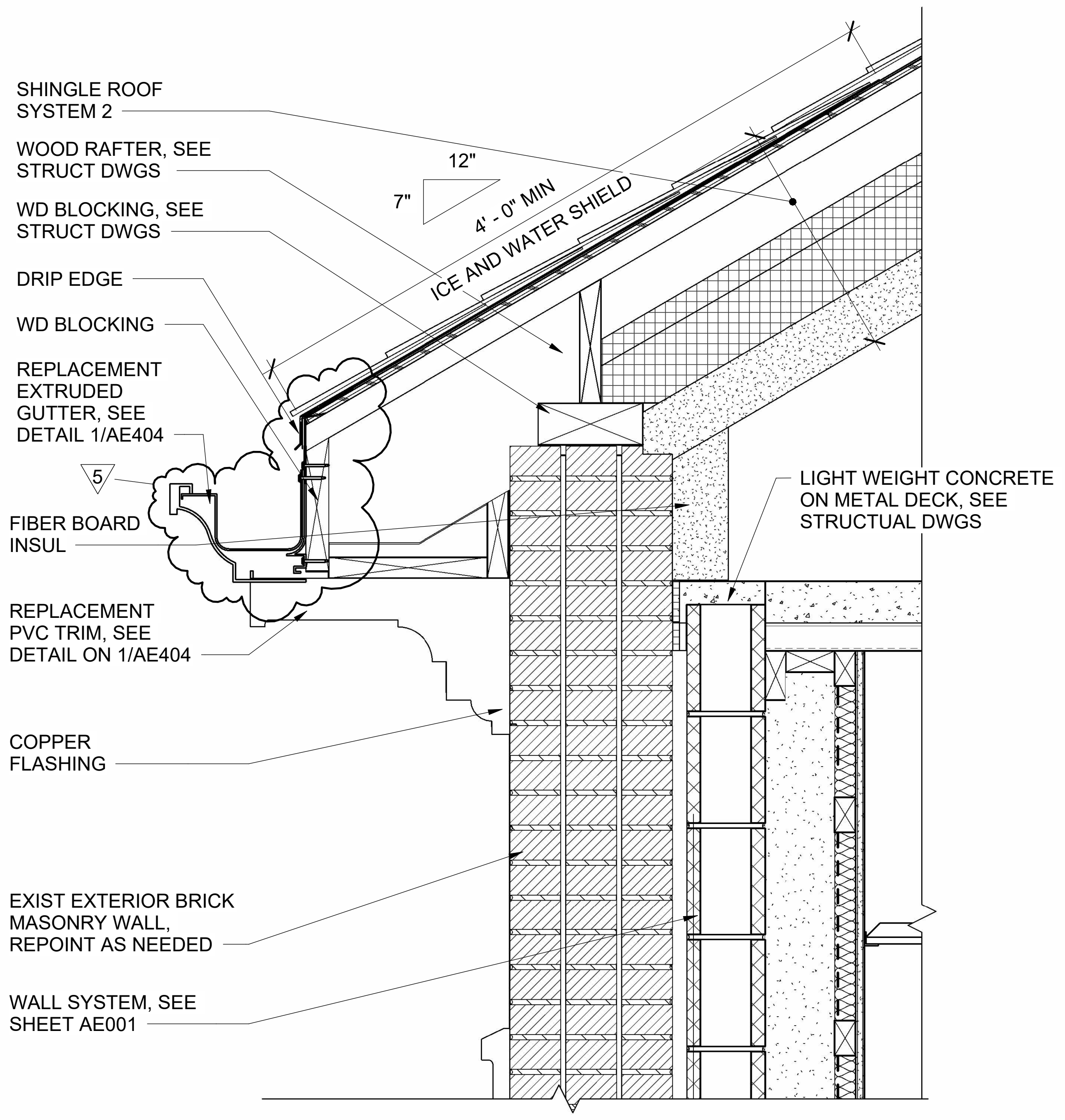
4 DETAIL @ LOW ROOF TO WALL

AE302 AE503 SCALE: 1 1/2" = 1'-0"



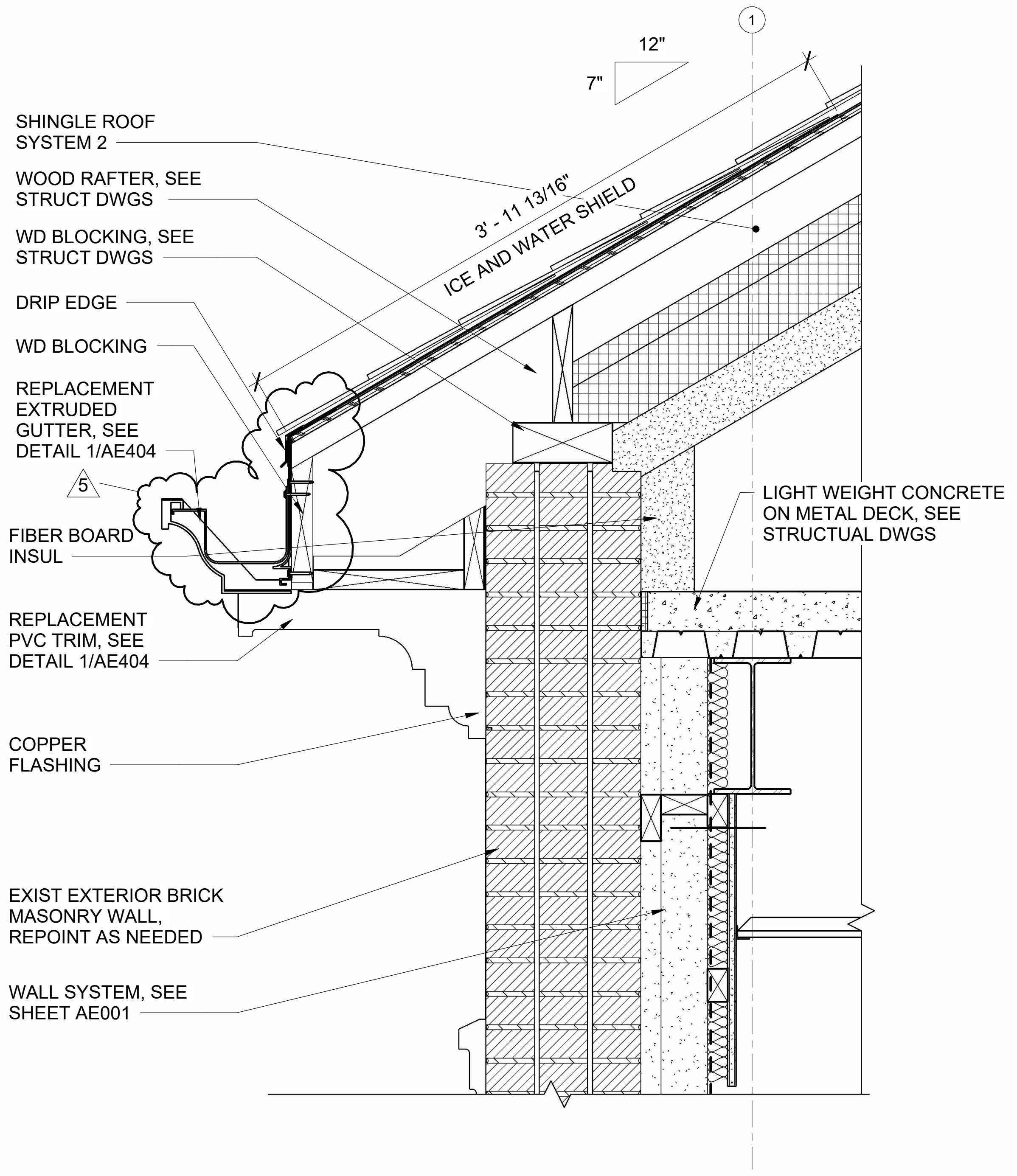
8 DETAIL AT CHIMNEY AT CETA BUILDING

AE120 AE503 SCALE: 1 1/2" = 1'-0"


SHINGLE ROOF SYSTEM 2
WOOD RAFTER, SEE STRUCT DWGS
WD BLOCKING, SEE STRUCT DWGS
DRIP EDGE
WD BLOCKING
REPLACEMENT EXTRUDED GUTTER, SEE DETAIL 1/AE404
5
FIBER BOARD INSUL
REPLACEMENT PVC TRIM, SEE DETAIL ON 1/AE404
COPPER FLASHING
EXIST EXTERIOR BRICK MASONRY WALL, REPOINT AS NEEDED
WALL SYSTEM, SEE SHEET AE001
12"
7"
4' - 0" MIN
ICE AND WATER SHIELD
LIGHT WEIGHT CONCRETE ON METAL DECK, SEE STRUCTUAL DWGS

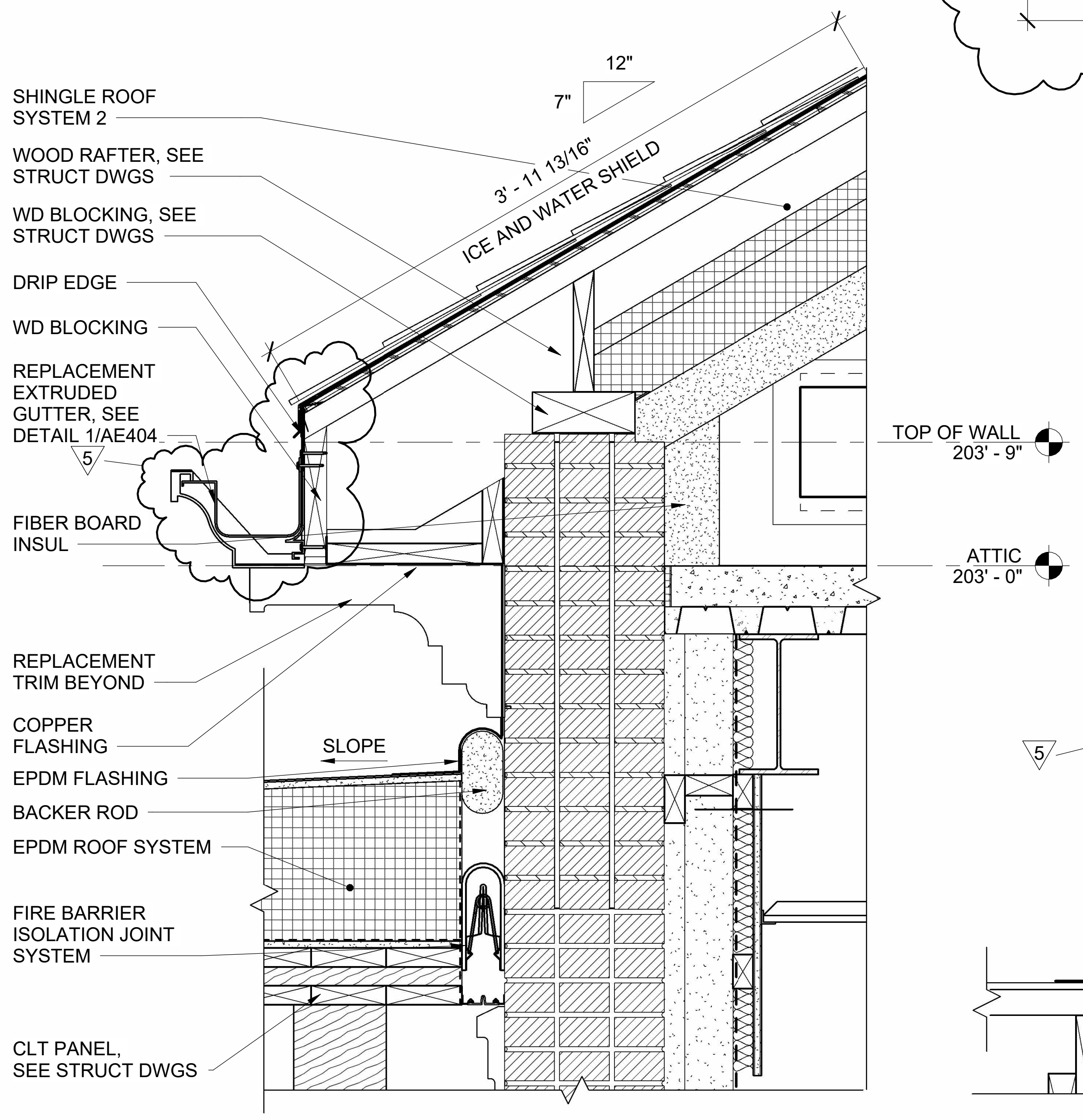
5 EAVE DETAIL @ SHINGE ROOF

AE120 AE503 SCALE: 1 1/2" = 1'-0"


12"
7"
1
SHINGLE ROOF SYSTEM 2
WOOD RAFTER, SEE STRUCT DWGS
WD BLOCKING, SEE STRUCT DWGS
DRIP EDGE
WD BLOCKING
REPLACEMENT EXTRUDED GUTTER, SEE DETAIL 1/AE404
5
FIBER BOARD INSUL
REPLACEMENT PVC TRIM, SEE DETAIL 1/AE404
COPPER FLASHING
EXIST EXTERIOR BRICK MASONRY WALL, REPOINT AS NEEDED
WALL SYSTEM, SEE SHEET AE001
3' - 11 13/16"
ICE AND WATER SHIELD
LIGHT WEIGHT CONCRETE ON METAL DECK, SEE STRUCTUAL DWGS

6 EAVE DETAIL @ SHINGLE ROOF

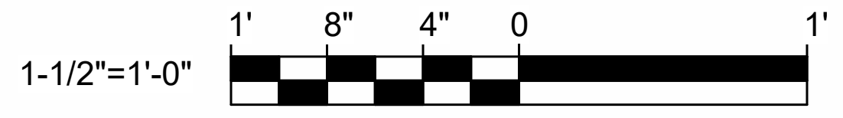
AE120 AE503 SCALE: 1 1/2" = 1'-0"



7 ROOF EXPANSION JOINT DETAIL

AE120 AE503 SCALE: 1 1/2" = 1'-0"

GRAPHIC SCALE



CHECK GRAPHIC SCALE BEFORE USING

NO.	DATE	DESCRIPTION	BY
5	03/06/2025	ADDENDUM NO.5	HMG

REVISIONS

LICENSED ARCHITECT
TYLER G. BARTER
No. 2962
STATE OF MAINE
1-29-25

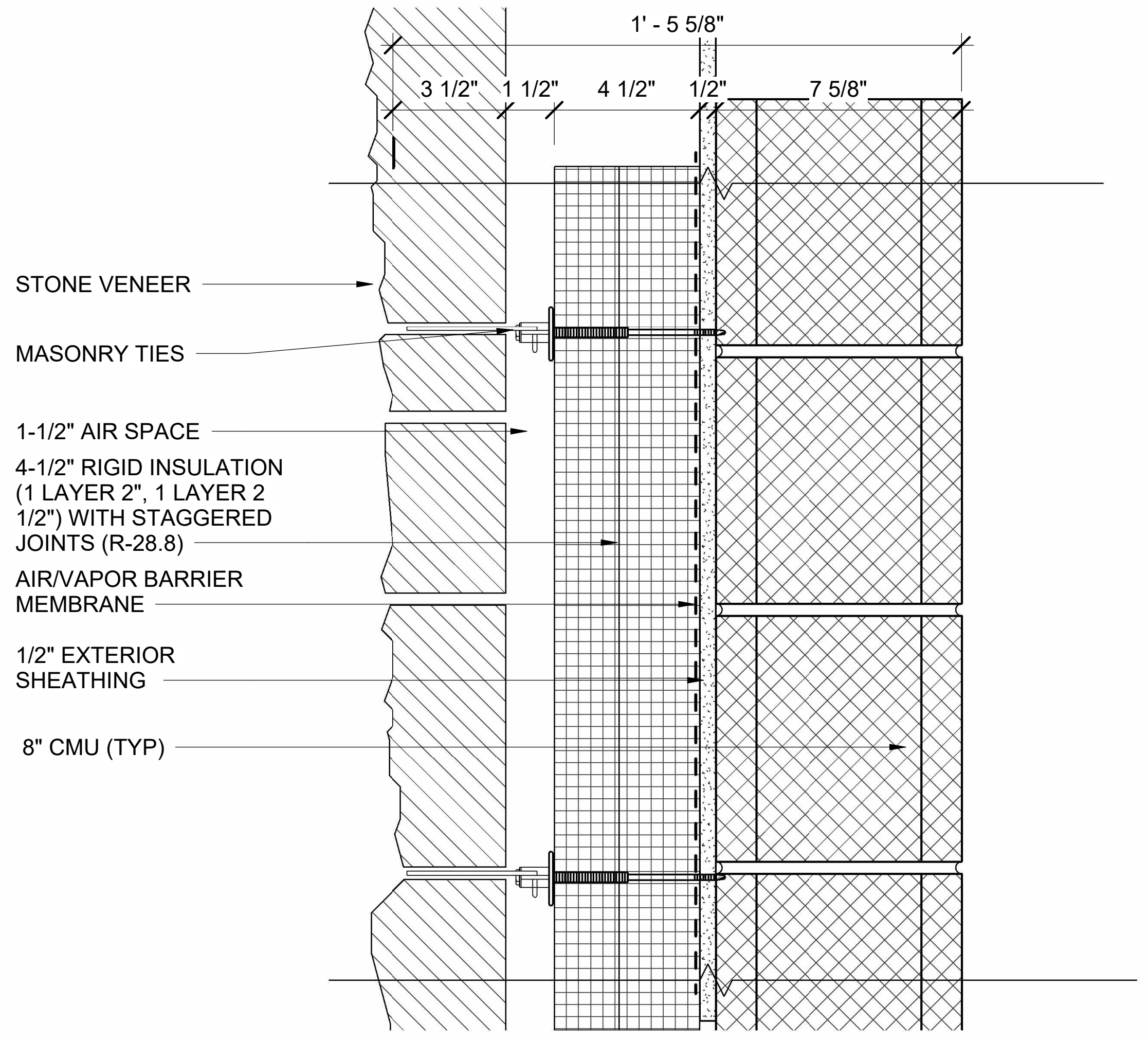
DRAWN BY: MJD
CHECK BY: CET
NO.
DATE 01/29/2025

DEPARTMENT OF INLAND FISHERIES & WILDLIFE

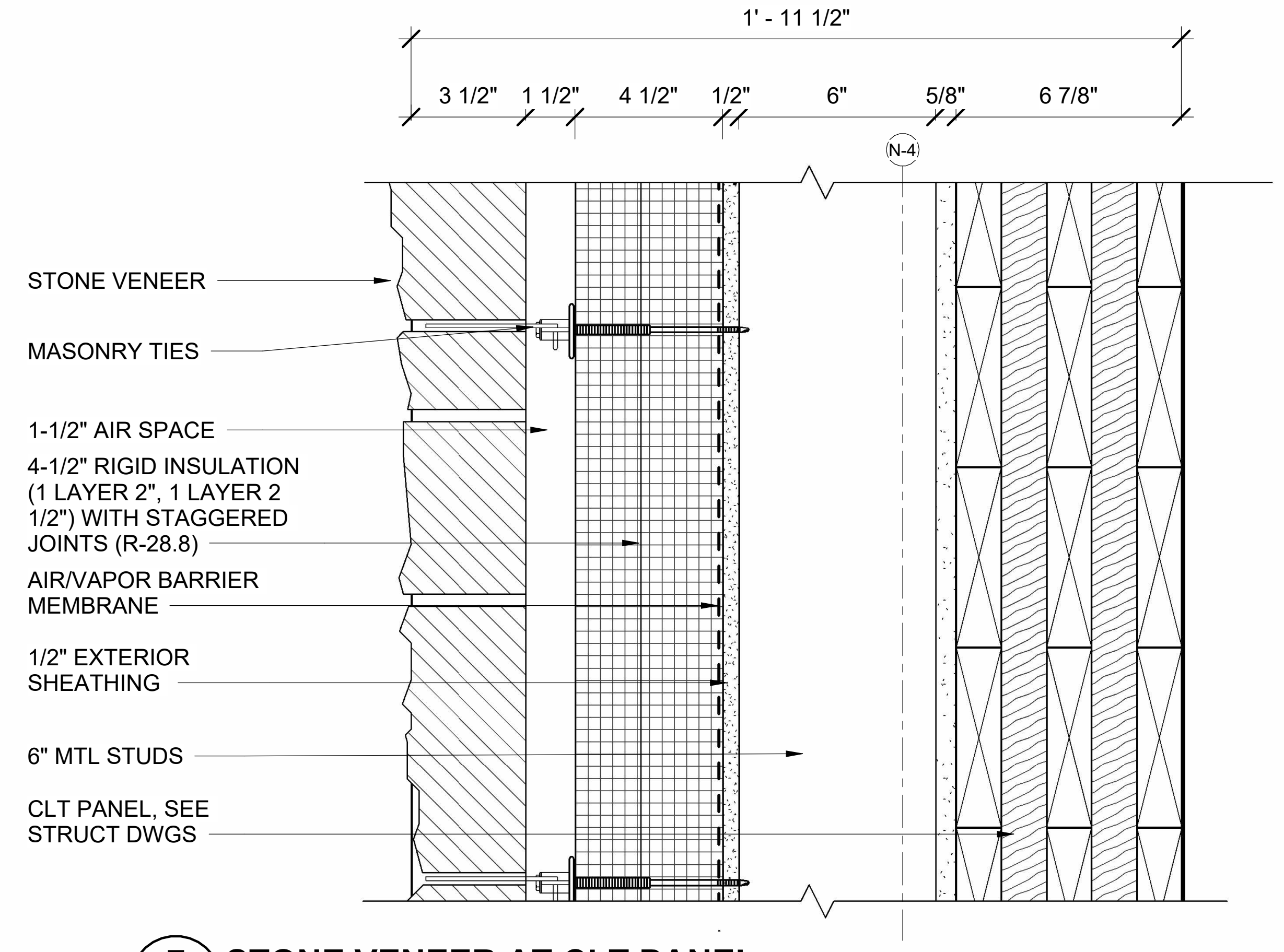
TITLE NEW OFFICE HEADQUARTERS
LOCATION AUGUSTA, ME
TITLE THIS DWG. ROOF DETAILS 3

OAK POINT ASSOCIATES
ARCHITECTURE ■ ENGINEERING ■ PLANNING
231 Main Street, Biddeford, Maine 04005 207.283.0193

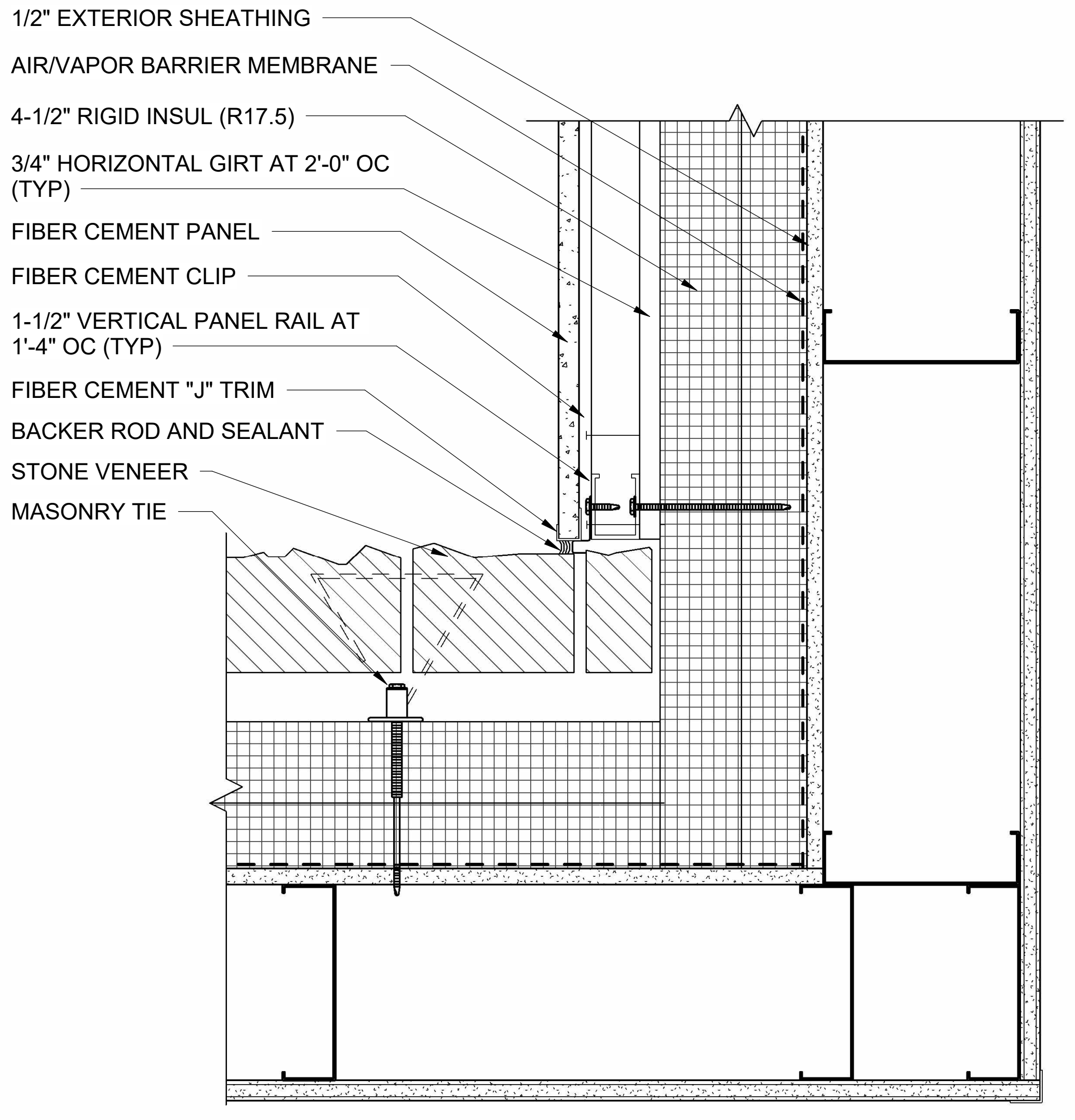
DRAWING NO. AE503
SHEET NO. 132 OF 239



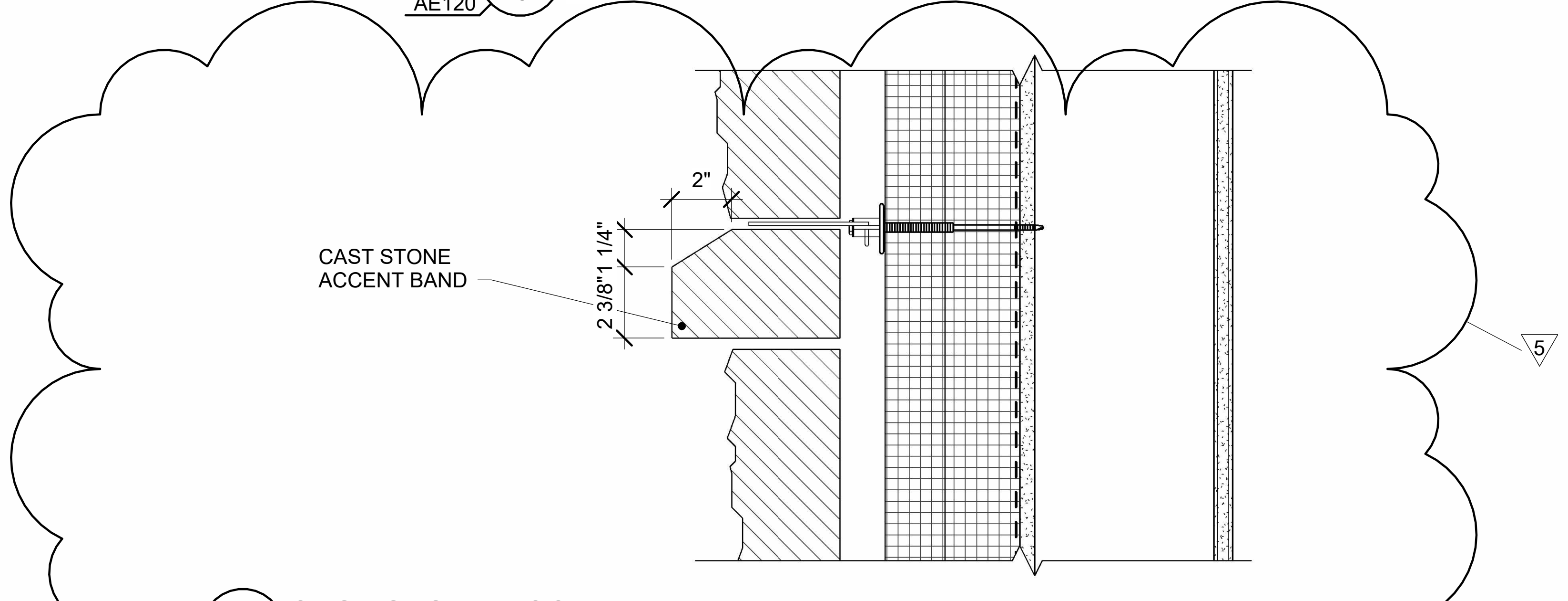
5 STONE VENEER AT CMU
AE303 AE511 SCALE: 3" = 1'-0"


1' - 11 1/2"
3 1/2"
1 1/2"
4 1/2"
1/2"
6"
5/8"
6 7/8"
N-4
STONE VENEER
MASONRY TIES
1-1/2" AIR SPACE
4-1/2" RIGID INSULATION (1 LAYER 2", 1 LAYER 2 1/2") WITH STAGGERED JOINTS (R-28.8)
AIR/VAPOR BARRIER MEMBRANE
1/2" EXTERIOR SHEATHING
6" MTL STUDS
CLT PANEL, SEE STRUCT DWGS

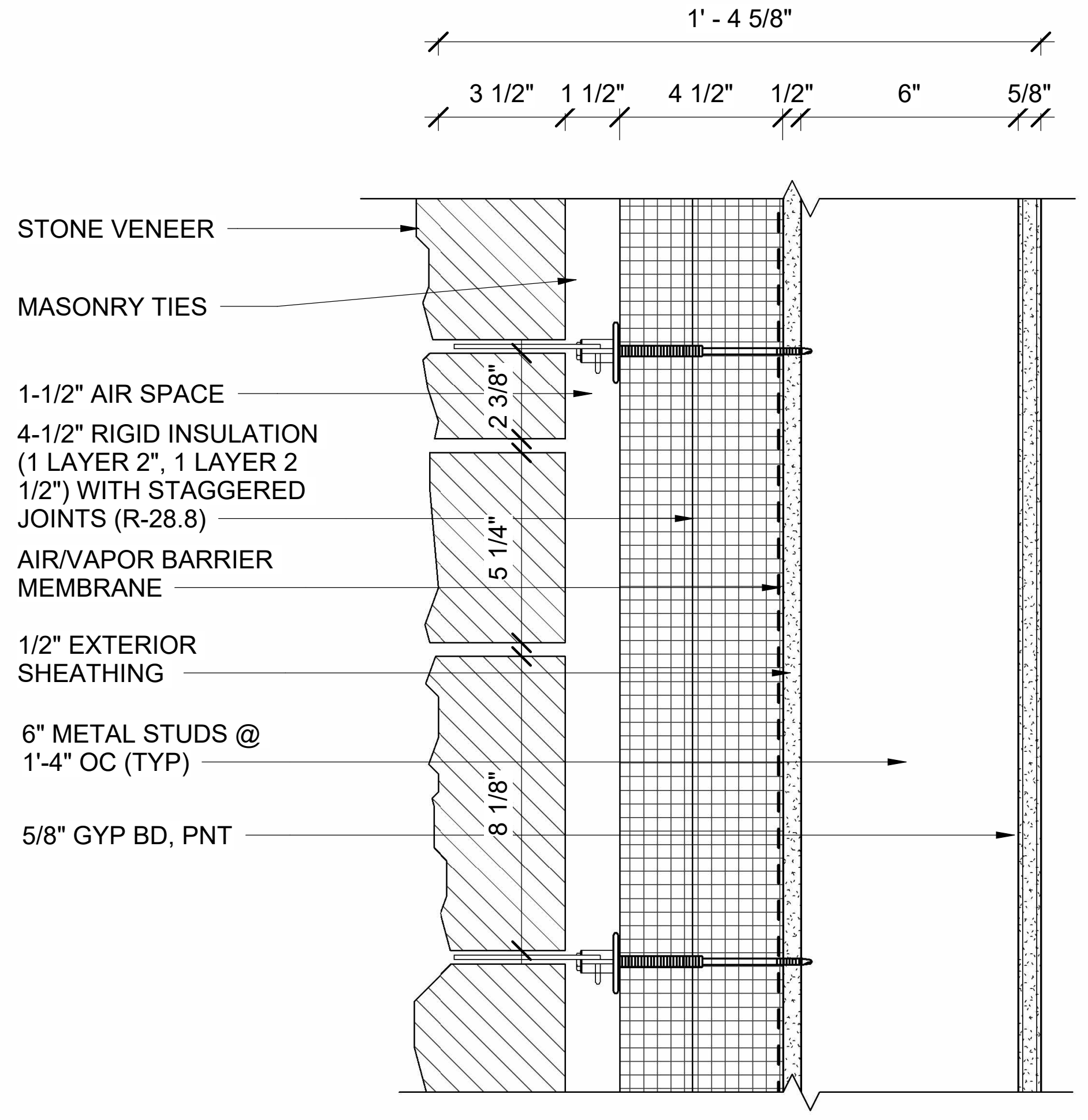
7 STONE VENEER AT CLT PANEL
AE120 AE511 SCALE: 3" = 1'-0"


1/2" EXTERIOR SHEATHING
AIR/VAPOR BARRIER MEMBRANE
4-1/2" RIGID INSUL (R17.5)
3/4" HORIZONTAL GIRT AT 2'-0" OC (TYP)
FIBER CEMENT PANEL
FIBER CEMENT CLIP
1-1/2" VERTICAL PANEL RAIL AT 1'-4" OC (TYP)
FIBER CEMENT "J" TRIM
BACKER ROD AND SEALANT
STONE VENEER
MASONRY TIE

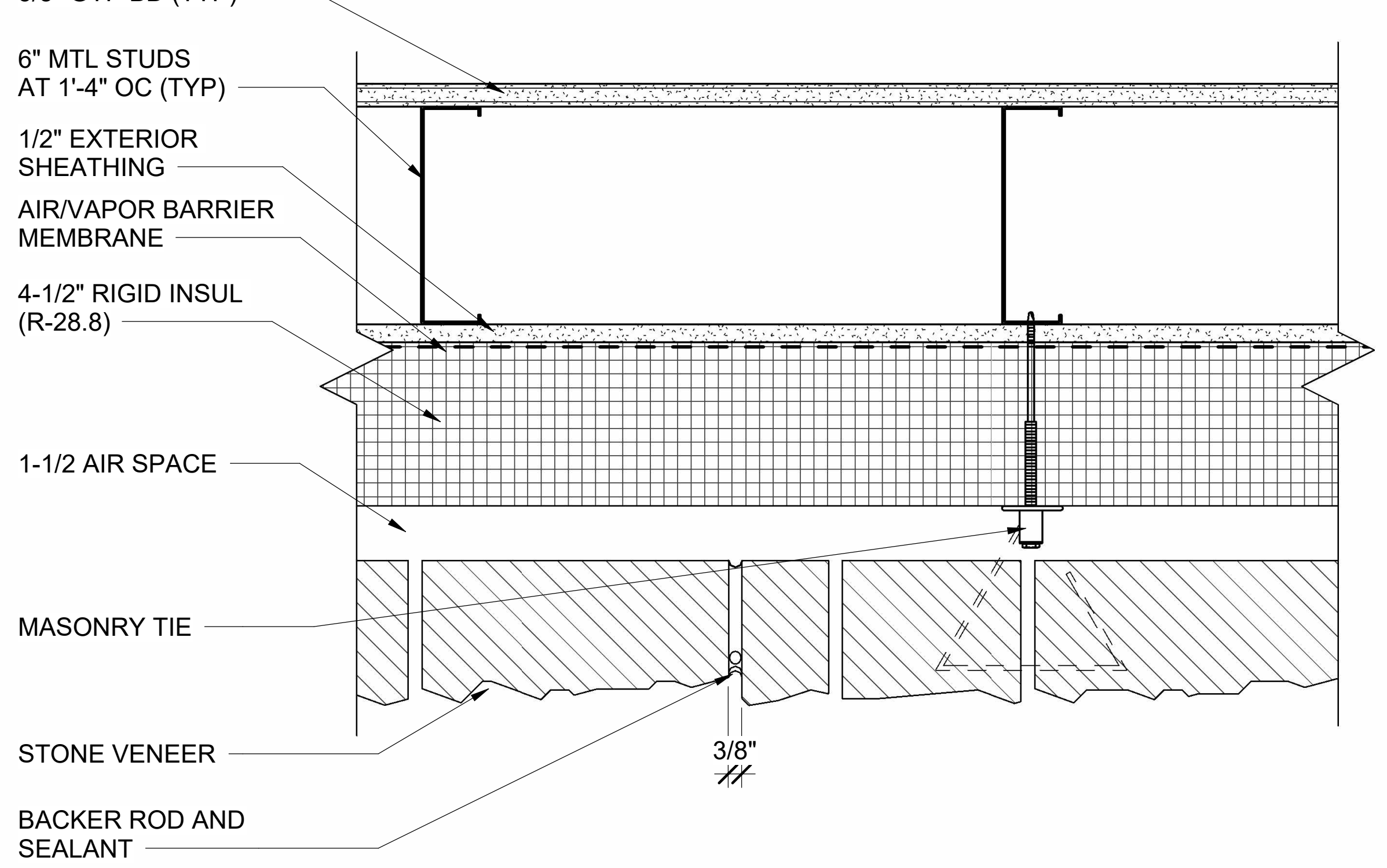
6 INSIDE CORNER FIBER CEMENT TO STONE VENEER DETAIL (TYP)
AE511 SCALE: 3" = 1'-0"



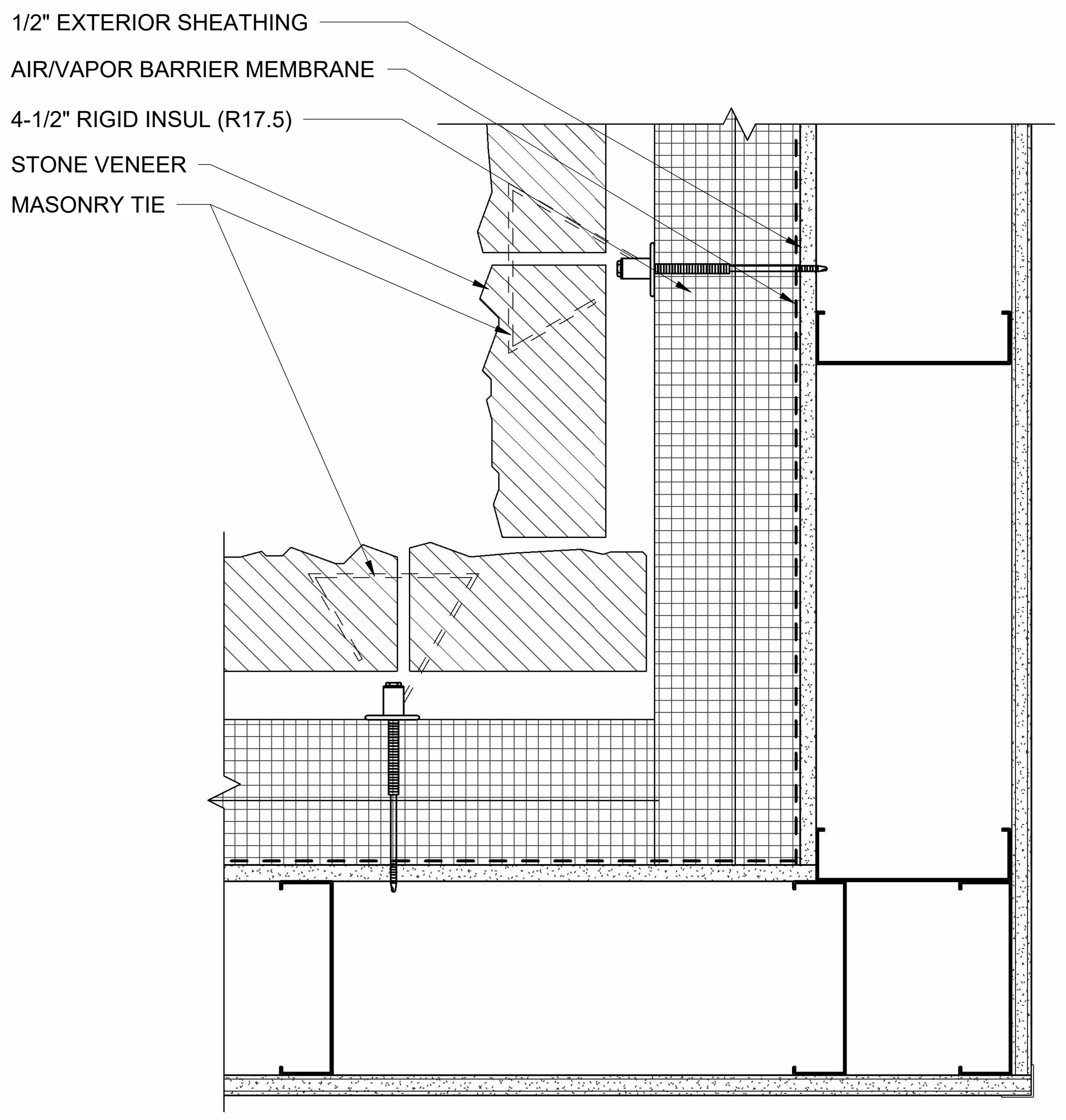
9 CAST STONE ACCENT BAND DETAIL
AE511 SCALE: 3" = 1'-0"


1' - 4 5/8"
3 1/2"
1 1/2"
4 1/2"
1/2"
6"
5/8"
STONE VENEER
MASONRY TIES
1-1/2" AIR SPACE
4-1/2" RIGID INSULATION (1 LAYER 2", 1 LAYER 2 1/2") WITH STAGGERED JOINTS (R-28.8)
AIR/VAPOR BARRIER MEMBRANE
1/2" EXTERIOR SHEATHING
6" METAL STUDS @ 1'-4" OC (TYP)
5/8" GYP BD, PNT
2 3/8"
5 1/4"
8 1/8"

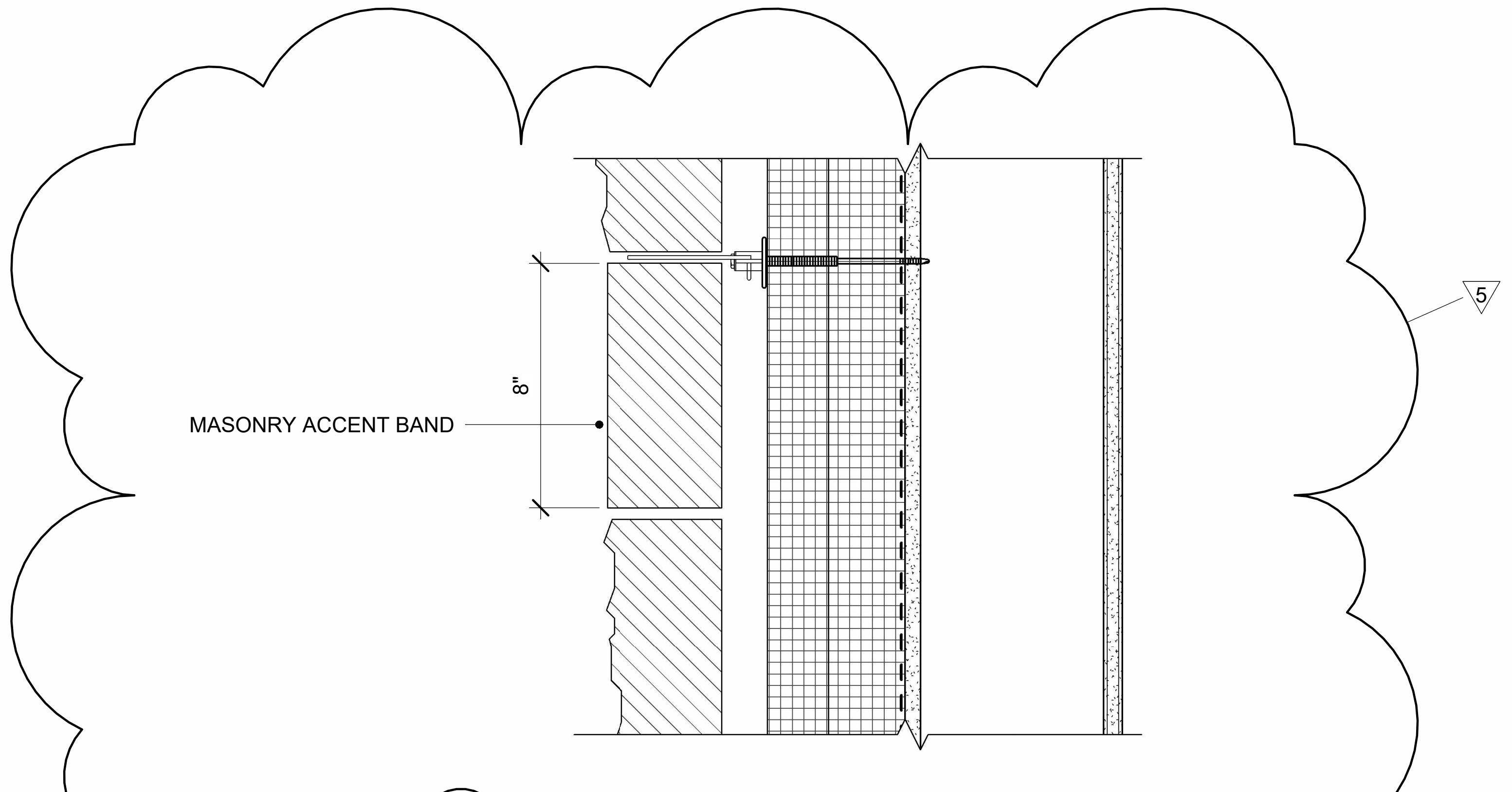
1 STONE VENEER DETAIL (TYP)
AE303 AE511 SCALE: 3" = 1'-0"



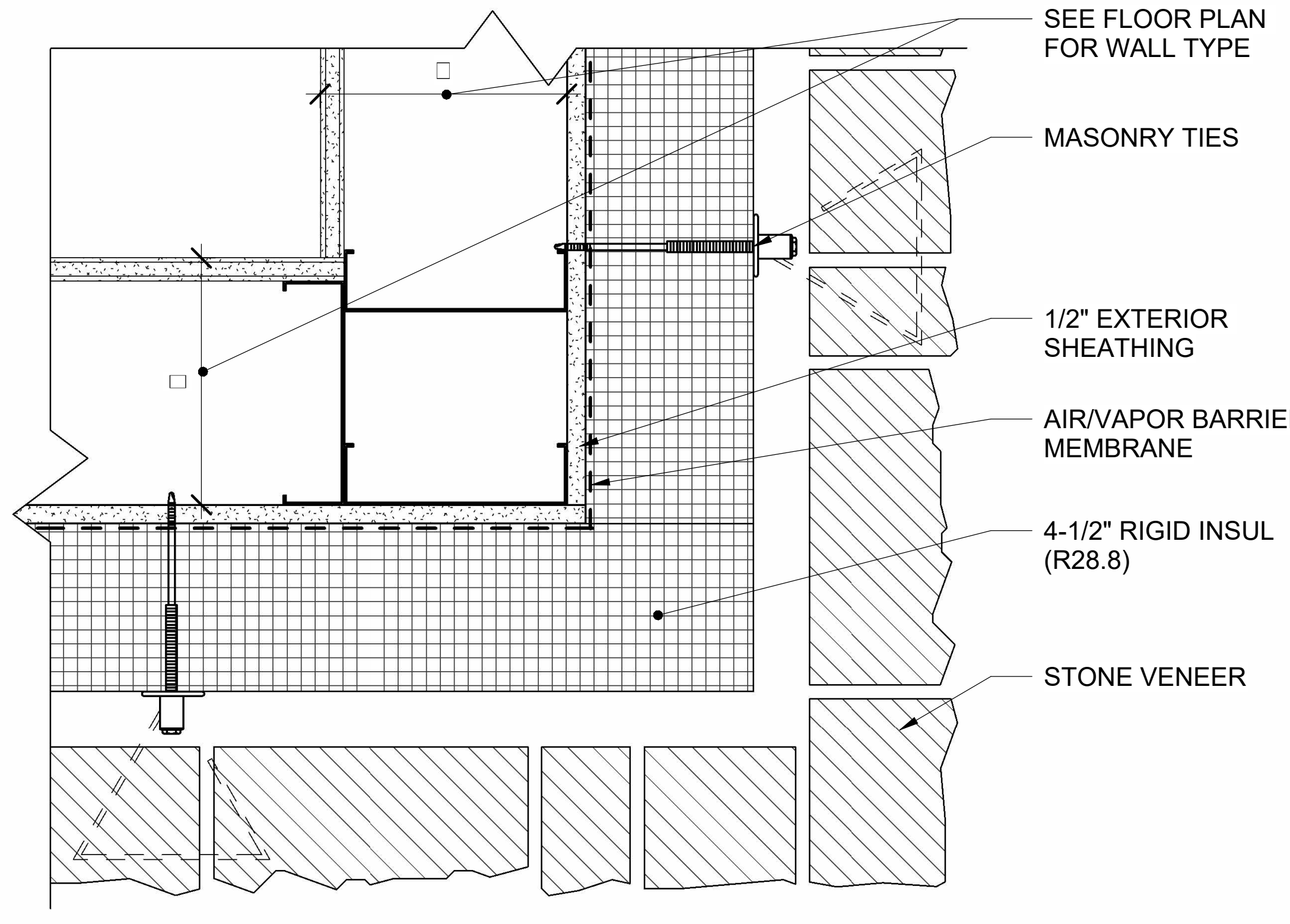
4 MASONRY CONTROL JOINT - STONE VENEER (TYP)
AE511 SCALE: 3" = 1'-0"



2 STONE VENEER INSIDE CORNER DETAIL (TYP)
AE511 SCALE: 3" = 1'-0"

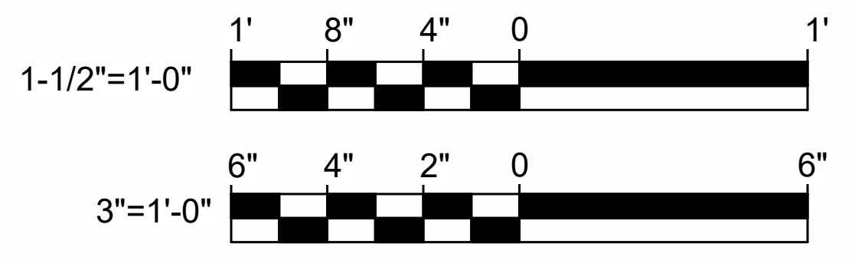


8 STONE ACCENT BAND DETAIL
AE511 SCALE: 3" = 1'-0"


SEE FLOOR PLAN FOR WALL TYPE
MASONRY TIES
1/2" EXTERIOR SHEATHING
AIR/VAPOR BARRIER MEMBRANE
4-1/2" RIGID INSUL (R28.8)
STONE VENEER

3 STONE VENEER OUTSIDE CORNER DETAIL (TYP)
AE511 SCALE: 3" = 1'-0"

GRAPHIC SCALES



CHECK GRAPHIC SCALES BEFORE USING

NO.	DATE	DESCRIPTION	BY
5	03/06/2025	ADDENDUM NO.5	HMG

REVISIONS

LICENSED ARCHITECT
TYLER G. BARTER
No. 2962
STATE OF MAINE
1-29-25

DRAWN BY: MJD
CHECK BY: CET
NO.
DATE 01/29/2025

DEPARTMENT OF INLAND FISHERIES & WILDLIFE
TITLE NEW OFFICE HEADQUARTERS
LOCATION AUGUSTA, ME
TITLE THIS DWG. STONE VENEER DETAILS

OAK POINT ASSOCIATES
ARCHITECTURE ▪ ENGINEERING ▪ PLANNING
231 Main Street, Biddeford, Maine 04005 207.283.0193

DRAWING NO. AE511
SHEET NO. 137 OF 239

3/7/2025 12:19:33 PM
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WINDOW SCHEDULE

MATERIAL					DETAILS			NOTES
TYPE	WIDTH	HEIGHT	MAT	FINISH	HEAD	JAMB	SILL	
A	4'-0"	4'-6"	ALUM	HPC	4/AE622	5/AE622	6/AE622	
B	4'-0"	6'-6"	ALUM	HPC	1 OR 4/AE622	2 OR 5/AE622	3 OR 6/AE622	
C	8'-0"	6'-5"	ALUM	HPC	4/AE622	5/AE622	6/AE622	
D	6'-0"	4'-0"	ALUM	HPC	1/AE622	2/AE622	3/AE622	
E	3'-2"	6'-9 3/4"	WOOD	PNT	7/AE622	8/AE622	9/AE622	
F	3'-2"	5'-6"	WOOD	PNT	12/AE622	8/AE622	9/AE622	
G	3'-2"	5'-6"	WOOD	PNT	12/AE622	8/AE622	9/AE622	
H	4'-8 3/4"	9'-0 1/2"	WOOD	PNT	12/AE622	8/AE622	10/AE622	
J	6'-0"	6'-5"	ALUM	HPC	4/AE622	5/AE622	6/AE622	
K	4'-0"	3'-0"	ALUM	HPC	4/AE622	5/AE622	6/AE622	

5

GENERAL NOTES:

1. BASIS OF DESIGN:
   CURTAIN WALL SYSTEM: YKK, YCW 750 XT (2-1/2" X 7-1/2" MULLION)
   EXTERIOR STOREFRONT SYSTEM: YKK, YES 60 XT (2" X 6" MULLION)
   INTERIOR STOREFRONT SYSTEM: YKK, YES 40 FI (2" X 4" MULLION)
   INTERIOR RATED STOREFRONT SYSTEM: SAFTIFIRST, SUPERLITE II-XL 60 GLASS WITH GPX ARCHITECTURAL SERIES FRAMING (2-1/2" X 4" MULLION)

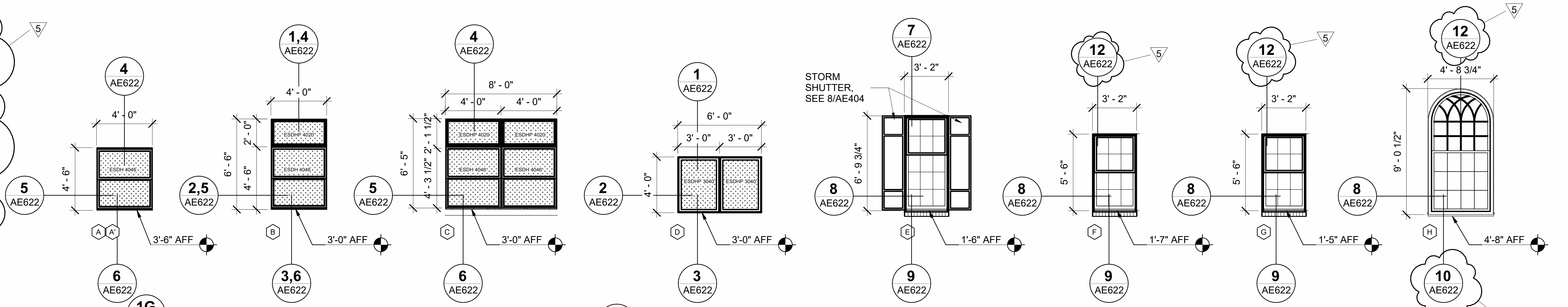
   WINDOW SYSTEMS: MARVIN ULTIMATE. 5
   RATED WINDOW SYSTEMS: SAFTIFIRST, SUPERLITE II-XL 120 IGU GLASS WITH GPX ARCHITECTURAL SERIES FRAMING (2-1/2" X 4" MULLION)

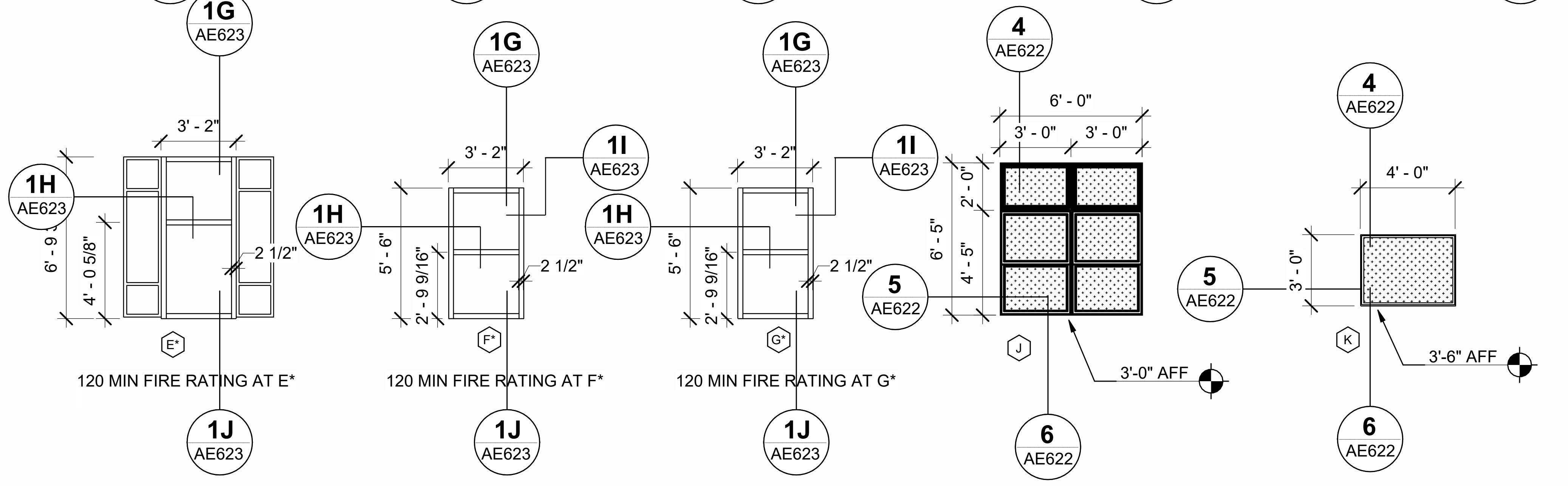
2. GC TO CONFIRM RO SIZES ON ALL OPENINGS PRIOR TO PURCHASE.

3. INCLUDE BRICK MOLD AT ALL WINDOWS IN EXISTING MASONRY OPENINGS IN CETA BUILDING.

4. * INDICATES FIRE RATED GLAZING, SEE FLOOR PLANS AND ELEVATIONS FOR LOCATIONS.

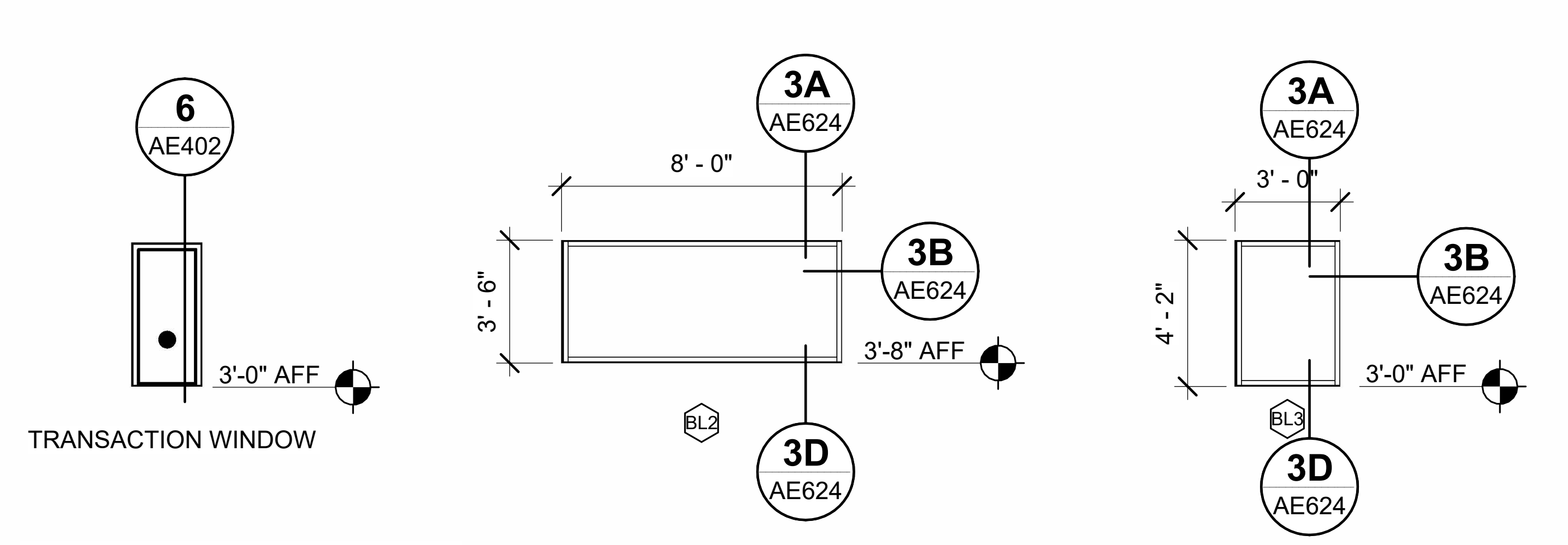
5. ' INDICATES GLAZING FILM, SEE FLOOR PLANS AND ELEVATIONS FOR LOCATIONS.





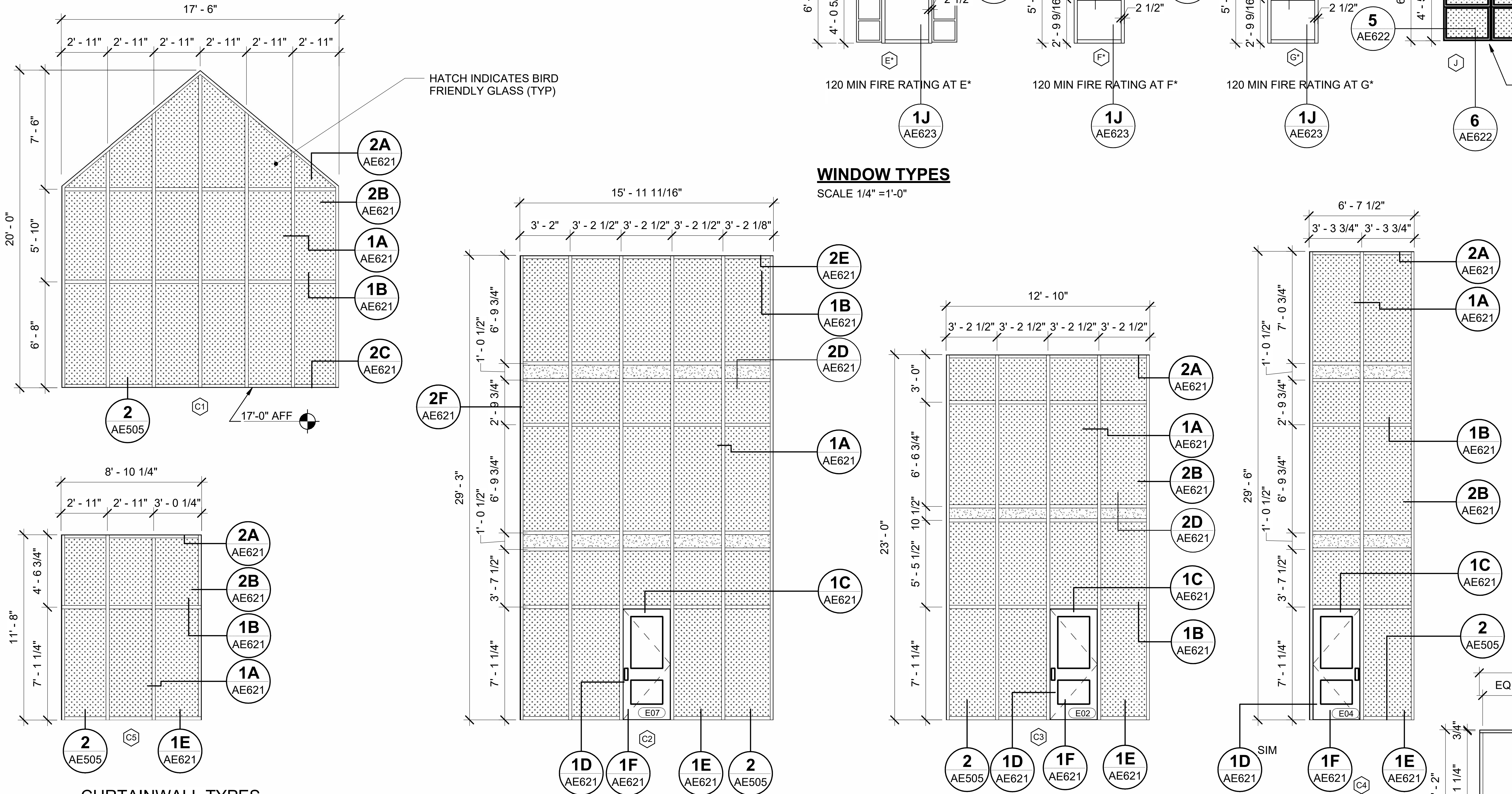
WINDOW TYPES

SCALE 1/4" =1'-0"



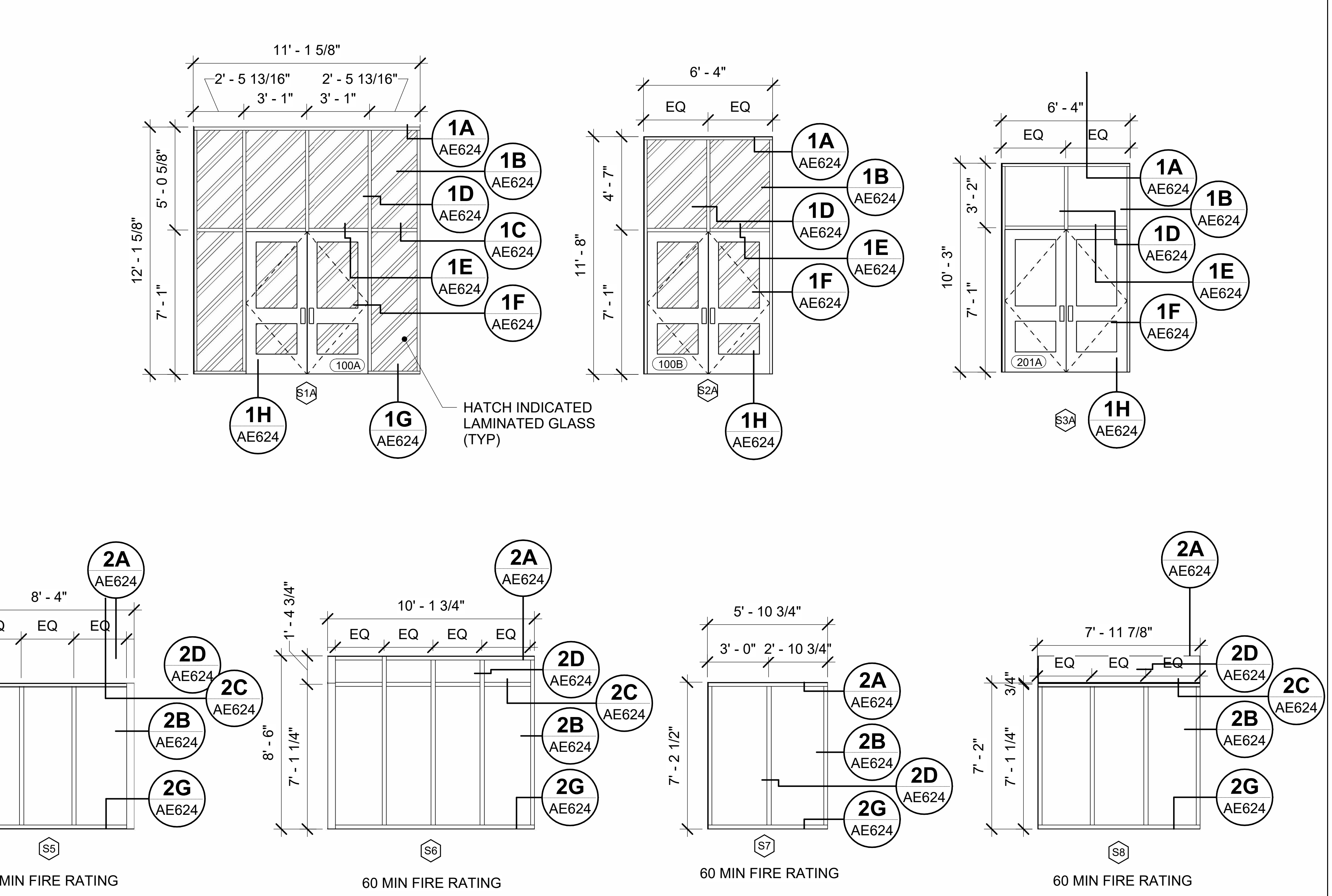
BORROWED LITE TYPES

SCALE 1/4" = 1'-0"



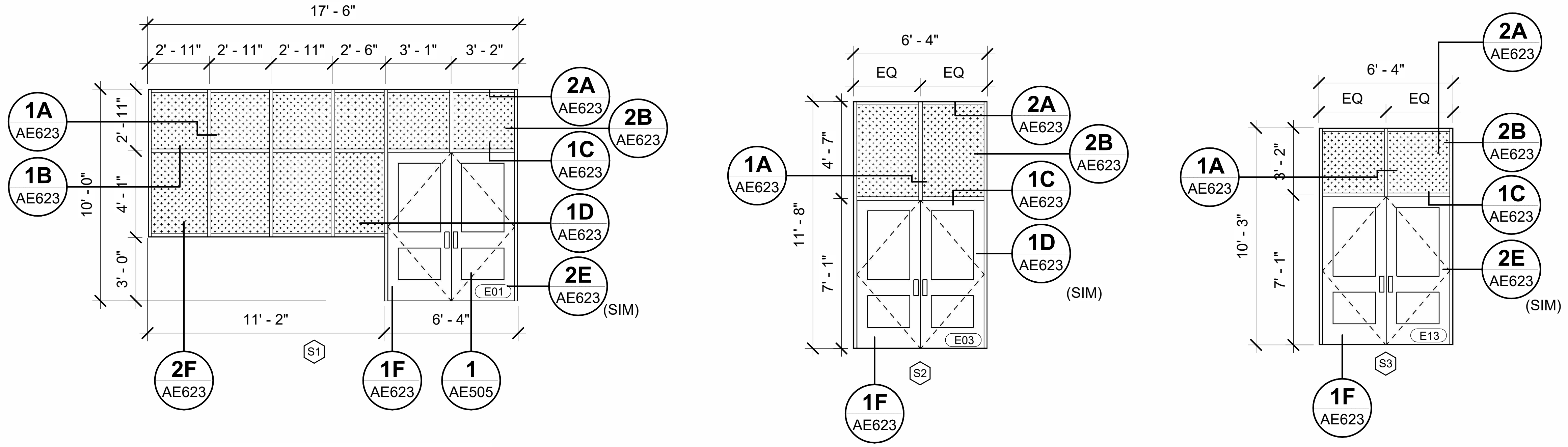
CURTAINWALL TYPES

SCALE 1/4" = 1'-0"



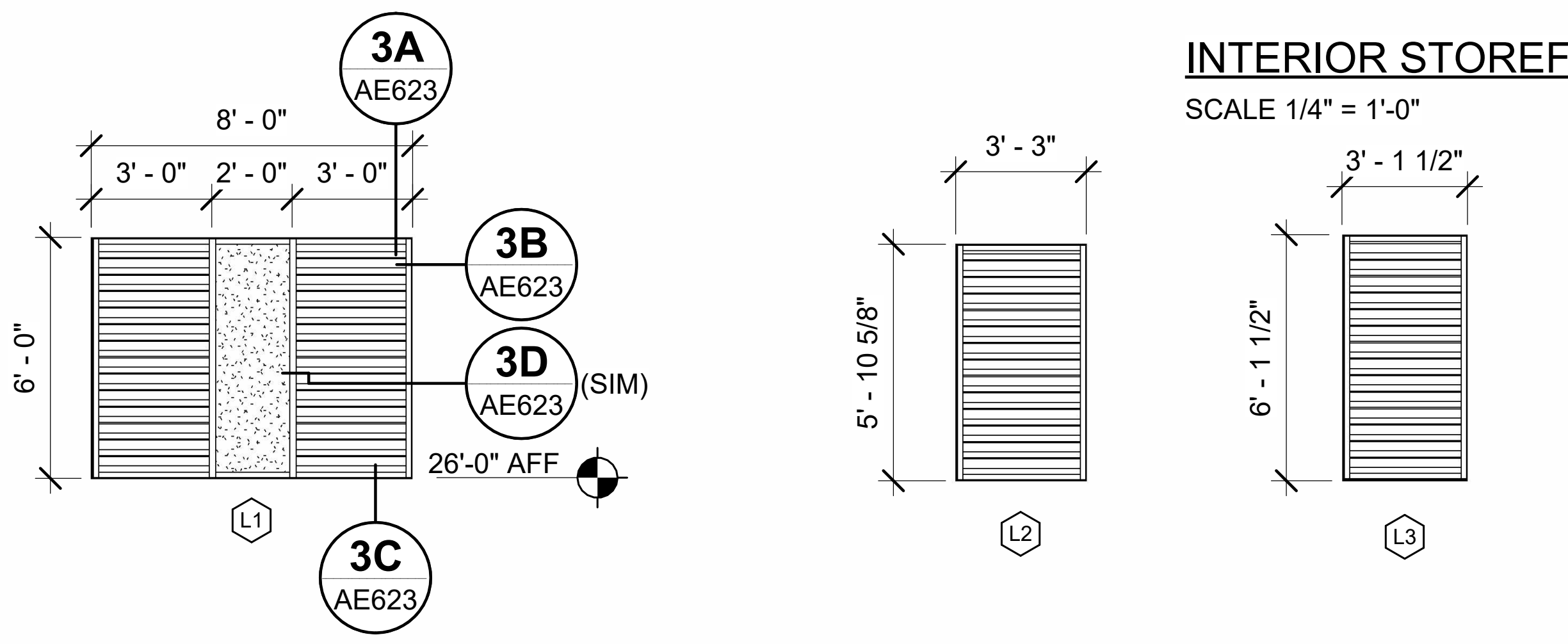
INTERIOR STOREFRONT TYPES

SCALE 1/4" = 1'-0"



EXTERIOR STOREFRONT TYPES

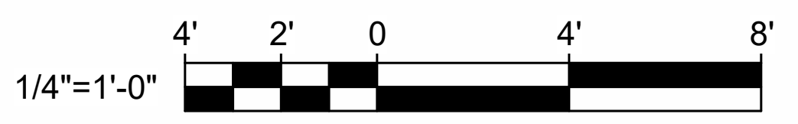
SCALE 1/4" = 1'-0"



EXTERIOR LOUVER TYPES

SCALE 1/4" = 1'-0"

GRAPHIC SCALE



CHECK GRAPHIC SCALE BEFORE USING

NO.	DATE	DESCRIPTION	BY
5	03/06/2025	ADDENDUM NO.5	HMG
3	02/27/2025	ADDENDUM NO.3	HMG
1	02/13/2025	ADDENDUM NO.1	HMG

REVISIONS

TYLER G. BARTER No. 2952 1.29.25

DRAWN BY: MJD
CHECK BY: CET
NO.
DATE 01/29/2025

DEPARTMENT OF INLAND FISHERIES & WILDLIFE

TITLE NEW OFFICE HEADQUARTERS
LOCATION AUGUSTA, ME
TITLE THIS DWG. WINDOW SCHEDULE

OAK POINT ASSOCIATES
ARCHITECTURE ■ ENGINEERING ■ PLANNING
231 Main Street, Biddeford, Maine 04005 207.283.0193

DRAWING NO. AE620

ROOM FINISH SCHEDULE

NO.	ROOM NAME	FLOOR	BASE	WALLS				CEILING	WINDOW SHADES	WINDOW FILM	NOTES
				NORTH WALL	EAST WALL	SOUTH WALL	WEST WALL	MATERIAL			
001	CORRIDOR	CONC	-	P-1	P-1	P-1	P-1	ACT			
002	STORAGE							ACT			
003	MECH							ACT			
004	STORAGE							ACT			
005	MECH							ACT			
006	DATA							ACT			
100	LOBBY / MUSEUM	PT-1	PB	P-1	P-1,2/WC	P1/WPS	P-1/WC/WPS	CLT/ACT-1			1,2,4
100A	VESTIBULE	WM-1,2	PB	P-1	P-1	P-1	P-1	CLT			
100B	VESTIBULE	WM-1,2	PB	P-1	P-1	P-1	P-1	CLT			
101	TOILET	PT-2	PB	P-3/CWT-1,2	P-3/CWT-1,2	P-3	P-3	GYP P-4			
102A	CONFERENCE ROOM	CPTT-2,3	WD	P-1/AWP-2	P-1/MW	P-1	P-1	CLT	WS-2		
102B	CONFERENCE ROOM	CPTT-2,3	WD	P-1/AWP-2	P-1/MW	P1	P-1/MW	CLT	WS-2		
102C	CONFERENCE ROOM	CPTT-2,3	WD	P-1/AWP-2	P-1	P-1	P-1/MW	CLT	WS-2		
103	LACTATION	LVT-1	RB-2	P-3	P-3	P-3	P-3	CLT			
104	CORRIDOR	PT-2	PB	P-1	P-1	P-1	P-1	ACT-1/CLT			
105	STORAGE/ AV	CONC	RB-2	P-1	P-1	P-1	P-1	CLT			
106	TOILET	PT-2	PB	P-3	P-3/CWT-1,2	P-3/CWT-1,2	P-3	GYP P-4			
107	TOILET	PT-2	PB	P-3/CWT-1,2	P-3/CWT-1,2	P-3	P-3	GYP P-4			
108	TOILET	PT-2	PB	P-3	P-3/CWT-1,2	P-3/CWT-1,2	P-3	GYP P-4			
109	OPEN OFFICE	CPTT-1	RB-1	P-1/AWP-2	P-1/AWP-2	P-1	P-1	CLT/ACT-2B	WS-1		
110	CORRIDOR	CPTT-1	RB-1	P-1	P-1	P-1	P-1	CLT/ACT-2B			
111	OFFICE	CPTT-1	RB-1	P-1	P-1	P-1	P-1	CLT/ACT-2B			
111A	WRITTEN TEST	CPTT-1	RB-1	P-1	P-1	P-1	P-1	CLT/ACT-2B	WS-1		
112	OPEN OFFICE	CPTT-1	RB-1	P-1/AWP-2	P-1	P-1,2/AWP-3	P-1,2	CLT/ACT-2B	WS-1		
113	MAPPING & ID TESTING	CPTT-1	RB-1	P-1	P-1	P-1	P-1	CLT	WS-1		
114	OFFICE	CPTT-1	RB-1	P-1	P-1	GW	P-1	CLT	WS-1	WF-1	
115	OFFICE	CPTT-1	RB-1	P-1	P-1	GW	P-1	CLT	WS-1	WF-1	
116	OFFICE	CPTT-1	RB-1	P-1	P-1	GW	P-1	CLT	WS-1	WF-1	
117	OFFICE	CPTT-1	RB-1	P-1	P-1	GW	P-1	CLT	WS-1	WF-1	
118	OPEN SEATING	CPTT-4,5	RB-1	P-1	P-1	P-1	P-1	CLT/ACT-2A	WS-1		
119	PRIVATE	CPTT-1	RB-1	P-1	P-1	P-1	P-1	CLT		WF-1	
120	TOILET	EP-2	EP-2	P-3	P-3/CWT-1,2	P-3/CWT-1,2	P-3	GYP/P-4			
121	TOILET	EP-2	EP-2	P-3/CWT-1,2	P-3/CWT-1,2	P-3	P-3	GYP/P-4			
122	CANTEEN	LVT-1	RB-2	P-1	P-1	P-1	P-1	CLT			
123	OFFICE	CPTT-1	RB-1	GW	P-1	P-1	P-1	CLT	WS-1	WF-1	
124	OFFICE	CPTT-1	RB-1	GW	P-1	P-1	P-1	CLT	WS-1	WF-1	
125	OFFICE	CPTT-1	RB-1	GW	P-1	P-1	P-1	CLT	WS-1	WF-1	
126	OFFICE	CPTT-1	RB-1	GW	P-1	P-1	P-1	CLT	WS-1	WF-1	
127	OPEN OFFICE	CPTT-1	RB-1	P-1,2/AWP-3	P-1	GW/P-1	P-1	CLT/ACT-2A	WS-1		
127A	OPEN OFFICE	CPTT-1	RB-1	P-1	P-1	P-1	P-1	CLT/ACT-2A			
128	SHARED STORAGE	CPTT-1	RB-1	P-1	P-1	P-1	P-1	CLT			
129	ISSUE/ MAIL ROOM	CPTT-1	RB-1	P-1	P-1	P-1	P-1	CLT			
130	DATA	CONC	RB-2	P-1	P-1	P-1	P-1	CLT			
131	CUST	CONC	RB-2	WP	WP	WP	WP	CLT			
132	ELEC	CONC	RB-2	P-1	P-1	P-1	P-1	CLT			
133	BREAK ROOM	LVT-1	RB-2	P-1	P-1	P-1	P-1	ACT-1	WS-1	WF-1	
134	OPEN OFFICE	CPTT-1	RB-1	P-1	P-1	P-1	-	ACT-1	WS-1		
135	BREAK-OUT AREA	LVT-1	RB-2	P-1	-	P-1,2	P-1	WD	WS-1		
136	COPY ROOM	CPTT-1	RB-1	P-1	P-1	P-1	P-1/GW	ACT-1	WS-1	WF-1	
137	CORRIDOR	CPTT-1,4,5	RB-1	P-1	P-1/GW	P-1	P-1/GW/AWP-3	WD/ACT-1	WS-1		
138	VACANT OFFICE	CPTT-1	RB-1	P-1	P-1	P-1	GW	ACT-1	WS-1	WF-1	
139	OFFICE	CPTT-1	RB-1	P-1	GW	P-1	P-1	ACT-1	WS-1	WF-1	
140	VACANT OFFICE	CPTT-1	RB-1	P-1	P-1	P-1	GW	ACT-1	WS-1	WF-1	
141	OFFICE	CPTT-1	RB-1	P-1	GW	P-1	P-1	ACT-1	WS-1	WF-1	
142	OFFICE	CPTT-1	RB-1	P-1	P-1	P-1	GW	ACT-1	WS-1	WF-1	
143	OFFICE	CPTT-1	RB-1	P-1	GW	P-1	P-1	ACT-1	WS-1	WF-1	
144	OFFICE	CPTT-1	RB-1	P-1	P-1	P-1	GW	ACT-1	WS-1	WF-1	
145	OFFICE	CPTT-1	RB-1	P-1	GW	P-1	P-1	ACT-1	WS-1	WF-1	
146	VACANT OFFICE	CPTT-1	RB-1	P-1	P-1	P-1	GW	ACT-1	WS-1	WF-1	
147	OFFICE	CPTT-1	RB-1	P-1	GW	P-1	P-1	ACT-1	WS-1	WF-1	
148	OFFICE	CPTT-1	RB-1	P-1	P-1	P-1	GW	ACT-1	WS-1	WF-1	
149	OFFICE	CPTT-1	RB-1	P-1	GW	P-1	P-1	ACT-1	WS-1	WF-1	
150	OFFICE	CPTT-1	RB-1	P-1	P-1	P-1	GW	ACT-1	WS-1	WF-1	
151	OFFICE	CPTT-1	RB-1	P-1	GW	P-1	P-1	ACT-1	WS-1	WF-1	
152	CONFERENCE ROOM	CPTT-4,5	RB-1	P-1	P-1	P-1	GW	WD/GYP	WS-1	WF-2	
153	OFFICE	CPTT-1	RB-1	P-1	GW	P-1	P-1	ACT-1	WS-1	WF-1	
154	OFFICE	CPTT-1	RB-1	P-1	P-1	P-1	GW	ACT-1	WS-1	WF-1	
155	OPEN OFFICE	CPTT-1	RB-1	P-1	GW	P-1	P-1	ACT-1	WS-1	WF-1	
156	OFFICE	CPTT-1	RB-1	P-1	P-1	P-1	GW	ACT-1	WS-1	WF-1	
157	FUTURE OFFICE	CPTT-1	RB-1	P-1	GW	P-1	P-1	ACT-1	WS-1	WF-1	
158	DATA	CONC	RB-2	P-1	P-1	P-1	P-1	EXP			
159	CORRIDOR	LVT-1	RB-2	P-7	P-7	P-7	P-7	CLT			
160	STORAGE	CONC	RB-2	P-1	P-1	P-1	P-1	CLT			
161	NECROPSY	EP-1	EP-1	EPW	EPW	EPW	EPW	CLT	WS-1		3
162	FILES	LVT-1	RB-2	P-1	P-1	P-1	P-1	CLT			
163	TOILET	EP-2	EP-2	P-3/CWT-1,2	P-3/CWT-1,2	P-3	P-3	GYP P-4			
164	CORRIDOR	EP-1	EP-1	P-7	P-7	P-7	P-7	CLT			
165	OPEN OFFICE	EP-1	EP-1	P-7	P-7	P-7	P-7	CLT	WS-1		
166	CUST	CONC	RB-1	WP	WP	WP	WP	CLT			
167	FISHERIES MAIN LAB	EP-1	EP-1	P-7	P-7	P-7	P-7	CLT	WS-1		
167A	COPY ROOM	LVT-1	RB-1	P-1	P-1	P-1	P-1	CLT			
168	BACTER- IOLOGY	EP-1	EP-1	P-7	P-7	P-7	P-7	CLT			
169	STORAGE	EP-1	EP-1	P-7	P-7	P-7	P-7	CLT			
170	TISSUE COLLECTION	EP-1	EP-1	P-7	P-7	P-7	P-7	CLT			
171	PCR ROOM	EP-1	EP-1	P-7	P-7	P-7	P-7	CLT			
200	CORRIDOR	CPTT-1/RUB/MAT-2	RB-1	P-1/AWP-1	P-1	P-1	P-1	CLT			
201	CORRIDOR	CPTT-1	RB-1	P-1	P-1	P-1	P-1	ACT-1			
201A	VEST	WM-1	RB-1	P-1	P-1	P1	P-1	GYP/P-4			
202	TOILET	EP-2	EP-2	P-3/CWT-1,2	P-3/CWT-1,2	P-3	P-3	GYP/P-4			
203	TOILET	EP-2	EP-2	P-3/CWT-1,2	P-3	P-3	P-3/CWT-1,2	GYP/P-4			
204	TOILET	EP-2	EP-2	P-3/CWT-1,2	P-3/CWT-1,2	P-3	P-3	GYP/P-4			
205	TOILET	EP-2	EP-2	P-3/CWT-1,2	P-3	P-3	P-3/CWT-1,2	GYP/P-4			
206	CORRIDOR	CPTT-1	RB-1	P-1	P-1	P-1	P-1	ACT-1			
206A	CORRIDOR	CPTT-1	RB-1	P-1/RAILING	P-1	P-1/RAILING	P-1	CLT			
207	TOILET	EP-2	EP-2	P-3/CWT-1,2	P-3/CWT-1,2	P-3	P-3	GYP/P-4			
208	CONFERENCE ROOM	CPTT-6	RB-1	GW	P-1	P-1	P-5	ACT-1		WF-3	
209	PLANS OFFICE	CPTT-1	RB-1	P-1	P-1	P-1	P-1	ACT-1	WS-1		
210	OFFICE	CPTT-1	RB-1	P-1	P-1	P-1	P-1	ACT-1	WS-1		
211	CANTEEN	LVT-1	RB-2	P-1	P-1	P-1	P-1	ACT-1			
212	TOILET	EP-2	EP-2	P-3/CWT-1,2	P-3	P-3	P-3/CWT-1,2	GYP/P-4			
213	TOILET	EP-2	EP-2	P-3/CWT-1,2	P-3/CWT-1,2	P-3	P-3	GYP/P-4			
214	DATA	CONC	RB-2	P-1	P-1	P-1	P-1	-			
215	CORRIDOR	CPTT-1	RB-1	P-1	P-1	P-1	P-1	CLT			
216	CONFERENCE ROOM	CPTT-6	RB-1	P-1	P-1	P-1	P-5	ACT-1	WS-1		
217	OFFICE	CPTT-1	RB-1	P-1	P-1	P1	P-1	ACT-1	WS-1	WF-1	
218	OPEN OFFICE	CPTT-1	RB-1	P-1	P-1	P-1	P-1	ACT-1			
219	OFFICE	CPTT-1	RB-1	P-1	P-1	GW	P-1	ACT-1	WS-1	WF-1	
220	OFFICE	CPTT-1	RB-1	GW	P-1	P-1	P-1	ACT-1		WF-1	
221	WAITING AREA	CPTT-6	RB-1	P-1	P-1	-	P-1	CLT	WS-1		
222	OFFICE	CPTT-1	RB-1	P-1	P-1	P-1	GW	ACT-1		WF-1	
223	OFFICE	CPTT-1	RB-1	P-1	P-1	GW	P-1	ACT-1	WS-1	WF-1	
224	COMMISSIONER OFFICE	CPTT-1	RB-1	P-1	P-1/GW	P-1	P-1	ACT-1	WS-1	WF-1	
225	OFFICE	CPTT-1	RB-1	P-1	GW	P-1	P-1	ACT-1	WS-1	WF-1	
226	OFFICE	CPTT-1	RB-1	P-1	GW	P-1	P-1	ACT-1	WS-1	WF-1	
227	CORRIDOR	CPTT-1	RB-1	P-1	P-1/GW	P-1/GW	P-5	CLT			
228	OFFICE	CPTT-1	RB-1	P-1	P-1	P-1	P-1	ACT-1	WS-1	WF-1	
229	COPY/ FILE/ STORAGE	CPTT-1	RB-1	P-1	P-1	P-1	P-1	ACT-1			
230	OFFICE	CPTT-1	RB-1	P-1	P-1	P-1	P-1/GW	ACT-1	WS-1	WF-1	
231	OPEN CONF	CPTT-1,6	RB-1	P-1,5/AWP-3	P-1	GW	P-1	CLT			
232	OFFICE	CPTT-1	RB-1	P-1/GW	P-1	P-1	P-1	ACT-1	WS-1	WF-1	
233	OFFICE	CPTT-1	RB-1	GW	P-1	P-1	P-1	ACT-1	WS-1	WF-1	
234	OFFICE	CPTT-1	RB-1	GW	P-1	P-1	P-1	ACT-1	WS-1	WF-1	
235	OFFICE	CPTT-1	RB-1	GW	P-1	P-1	P-1	ACT-1	WS-1	WF-1	
236	OPEN OFFICE	CPTT-1	RB-1	P-1	P-1,5	GW	P-1	CLT/ACT-2A	WS-1		
237	CUST	CONC	RB-2	WP	WP	WP	WP	CLT			
238	ELEC	CONC	RB-2	P-1	P-1	P-1	P-1	CLT			
239	CANTEEN	LVT-1	RB-2	P-1	P-1	P-1	P-1	ACT-1	WS-1	WF-1	
240	COPY	CPTT-1	RB-1	P-1	P-1	P-1	P-1	ACT-1	WS-1	WF-1	
241	VACANT OFFICE	CPTT-1	RB-1	P-1	GW	P-1	P-1	ACT-1	WS-1	WF-1	
242	VACANT OFFICE	CPTT-1	RB-1	P-1	P-1	P-1	GW	ACT-1	WS-1	WF-1	
243	CONFERENCE ROOM	CPTT-6	RB-1	P-5	GW	P-1	P-1	WD	WS-1	WF-5	
244	OFFICE	CPTT-1	RB-1	P-1	P-1	P-1	GW	ACT-1	WS-1	WF-1	
245	HOTEL OFFICES	CPTT-1	RB-1	P-1	-	P-1	P-1	OPEN/ACT-1	WS-1		
246	OFFICE	CPTT-1	RB-1	P-1	P-1	P-1	GW	ACT-1	WS-1	WF-1	
247	CORRIDOR	CPTT-1,6	RB-1	P-1	P-1/GW	P-1	P-1/GW	WD/ACT-1			
248	OFFICE	CPTT-1	RB-1	P-1	P-1	P-1	GW	ACT-1	WS-1	WF-1	
249	VACANT OFFICE	CPTT-1	RB-1	P-1	GW	P-1	P-1	ACT-1	WS-1	WF-1	
250	OFFICE	CPTT-1	RB-1	P-1	P-1	P-1	GW	ACT-1	WS-1	WF-1	
251	OFFICE	CPTT-1	RB-1	P-1	GW	P-1	P-1	ACT-1	WS-1	WF-1	
252	OFFICE	CPTT-1	RB-1	P-1	P-1	P-1	GW	ACT-1	WS-1	WF-1	
253	OFFICE	CPTT-1	RB-1	P-1	GW	P-1	P-1	ACT-1	WS-1	WF-1	
254	OFFICE	CPTT-1	RB-1	P-1	P-1	P-1	GW	ACT-1	WS-1	WF-1	
255	OFFICE	CPTT-1	RB-1	P-1	GW	P-1	P-1	ACT-1	WS-1	WF-1	
256	VACANT NRSC	CPTT-1	RB-1	P-1	P-1	P-1	GW	ACT-1	WS-1	WF-1	
257	OFFICE	CPTT-1	RB-1	P-1	GW	P-1	P-1	ACT-1	WS-1	WF-1	
258	OFFICE	CPTT-1	RB-1	P-1	P-1	P-1	GW	ACT-1	WS-1	WF-1	
259	OFFICE	CPTT-1	RB-1	P-1	GW	P-1	P-1	ACT-1	WS-1	WF-1	
260	OFFICE	CPTT-1	RB-1	P-1	P-1	P-1	GW	ACT-1	WS-1	WF-1	
261	OPEN SEATING	CPTT-6	RB-1	P-1	-	P-1	P-1	OPEN/WD	WS-1		
262	OFFICE	CPTT-1	RB-1	P-1	P-1	P-1	GW	ACT-1	WS-1	WF-1	
263	OFFICE	CPTT-1	RB-1	P-1	GW	P-1	P-1	ACT-1	WS-1	WF-1	
264	OFFICE	CPTT-1	RB-1	P-1	P-1	P-1	GW	ACT-1	WS-1	WF-1	
265	OFFICE	CPTT-1	RB-1	P-1	GW	P-1	P-1	ACT-1	WS-1	WF-1	
266	OFFICE	CPTT-1	RB-1	P-1	P-1	P-1	GW	ACT-1	WS-1	WF-1	
267	OFFICE	CPTT-1	RB-1	P-1	GW	P-1	P-1	ACT-1	WS-1	WF-1	
268	OFFICE	CPTT-1	RB-1	P-1	P-1	P-1	GW	ACT-1	WS-1	WF-1	
269	OFFICE	CPTT-1	RB-1	P-1	GW	P-1	P-1	ACT-1	WS-1	WF-1	
270	DATA	CONC	RB-2	P-1	P-1	P-1	P-1				
271	CORRIDOR	LVT-1	RB-2	P-7	P-7	P-7	P-7	CLT			
272	TOILET	EP-2	EP-2	P-3	P-3/CWT-1,2	P-3/CWT-1,2	P-3	GYP P-4		WF-1	PROVIDE WINDOW FILM ON EXTERIOR WINDOW
273	STOREHOUSE/ UNIFORMS	CONC	RB-2	P-7	P-7	P-7	P-7	CLT	WS-1		
274	DRESSING	LVT-1	RB-2	P-7	P-7	P-7	P-7	ACT-1			
275	I&E SECURE STORAGE	CONC	RB-2	P-1	P-1	P-1	P-1	CLT			
276	TOILET	EP-2	EP-2	P-3	P-3/CWT-1,2	P-3/CWT-1,2	P-3	GYP P-4		WF-1	PROVIDE WINDOW FILM ON EXTERIOR WINDOW
277	I&E/LICENSING HEATED STORAGE	CONC	RB-2	P-1	P-1	P-1	P-1	CLT	WS-1		
278	TOILET	EP-2	EP-2	P-3	P-3	P-3/CWT-1,2	P-3/CWT-1,2	GYP P-4			
279	RECEIVING	CONC	RB-2	P-7/WP	P-7	P-7	P-7	CLT	WS-1		
280	TOILET	EP-2	EP-2	P-3	P-3	P-3/CWT-1,2	P-3/CWT-1,2	GYP P-4			
281	SECURE FIREARM STORAGE	CONC	RB-2	P-7	P-7	P-7	P-7	CLT			
300	CORRIDOR	CPTT-1,7	RB-1	P-1	P-1/GW	P-1	P-1/GW	ACT-1/CLT			
301	TOILET	EP-2	EP-2	P-3/CWT-1,2	P-3/CWT-1,2	P-3	P-3	GYP P-4			
302	CUST	CONC	RB-2	WP	WP	WP	WP	CLT			
303	ELEC	CONC	RB-2	P-1	P-1	P-1	P-1	CLT			
304	TOILET	EP-2	EP-2	P-3	P-3/CWT-1,2	P-3/CWT-1,2	P-3	GYP/P-4			
305	CANTEEN	LVT-1	RB-2	P-1	P-1	P-1	P-1	ACT-1	WS-1	WF-1	
306	PLAN ROOM/PLOTTER	CPTT-1	RB-1	P-1	P-1	P-1	P-1	ACT-1	WS-1	WF-1	
307	COPY	CPTT-1	RB-1	P-1	P-1	P-1	P-1	ACT-1	WS-1	WF-1	
308	VACANT OFFICE	CPTT-1	RB-1	P-1	P-1	P-1	GW	ACT-1	WS-1	WF-1	
309	TELECON	CPTT-7	RB-1	P-6	GW	P-1	P-1	WD	WS-1	WF-4	
310	SEASONAL OFFICES	CPTT-1	RB-1	P-1	-	P-1	-	ACT-1	WS-1		
311	OPEN OFFICE	CPTT-1	RB-1	P-1	-	P-1	P-1	ACT-1	WS-1		
312	OFFICE	CPTT-1	RB-1	P-1	P-1	P-1	GW	ACT-1	WS-1	WF-1	
313	OFFICE	CPTT-1	RB-1	P-1	GW	P-1	P-1	ACT-1	WS-1	WF-1	
314	OFFICE	CPTT-1	RB-1	P-1	P-1	P-1	GW	ACT-1	WS-1	WF-1	
315	OFFICE	CPTT-1	RB-1	P-1	GW	P-1	P-1	ACT-1	WS-1	WF-1	
316	VACANT OFFICE	CPTT-1	RB-1	P-1	P-1	P-1	GW	ACT-1	WS-1	WF-1	
317	OFFICE	CPTT-1	RB-1	P-1	GW	P-1	P-1	ACT-1	WS-1	WF-1	
318	OFFICE	CPTT-1	RB-1	P-1	P-1	P-1	GW	ACT-1	WS-1	WF-1	
319	OFFICE	CPTT-1	RB-1	P-1	GW	P-1	P-1	ACT-1	WS-1	WF-1	
320	OFFICE	CPTT-1	RB-1	P-1	P-1	P-1	GW	ACT-1	WS-1	WF-1	
321	OPEN	CPTT-7	RB-1	P-1	GW	P-1	P-1	ACT-1	WS-1	WF-1	
322	VACANT OFFICE	CPTT-1	RB-1	P-1	P-1	P-1	GW	ACT-1	WS-1	WF-1	
323	FUTURE OFFICE	CPTT-7	RB-1	P-1	GW	P-1	P-1	ACT-1	WS-1	WF-1	
324	OFFICE	CPTT-1	RB-1	P-1	P-1	P-1	GW	ACT-1	WS-1	WF-1	
325	VACANT OFFICE	CPTT-1	RB-1	P-1	GW	P-1	P-1	ACT-1	WS-1	WF-1	
326	OFFICE	CPTT-1	RB-1	P-1	P-1	P-1	GW	ACT-1	WS-1	WF-1	
327	OFFICE	CPTT-1	RB-1	P-1	GW	P-1	P-1	ACT-1	WS-1	WF-1	
328	OFFICE	CPTT-1	RB-1	P-1	P-1	P-1	GW	ACT-1	WS-1	WF-1	
330	DATA	CONC	RB-2	P-1	P-1	P-1	P-1	-			
401	ATTIC	-	-	-	-	-	-	-			
E1	ELEV	CPTT-1	-	-	-	-	-	-			
E1A	MACH ROOM	-	-	-	-	-	-	-			
E2	ELEV	LVT-1	-	-	-	-	-	-			
E2A	MACH ROOM	-	-	-	-	-	-	-			
M1	MECH	-	-	-	-	-	-	-			
M2	MECH ATTIC	-	-	-	-	-	-	-			
S1	STAIR	WM-1/RUB	RB-2	P-7	P-7	P-7	P-7	CLT			
S2	STAIR	WM-1/RUB	RB-2	P-7	P-7	P-7	P-7	CLT			
S3	STAIR	WM-1/RUB	RB-2	P-7	P-7	P-7	P-7	CLT			

GENERAL NOTES:

1. SEE SHEETS AE701-AE704 FOR CEILING HEIGHTS.
2. EPW LOCATIONS REQUIRE LEVEL 4/5 FINISH FOR GLASS-MAT, WATER-RESISTANT BACKING BOARD.

NOTES:

1. EAST AND WEST WALLS AWP-1. SEE AE402.
2. PROVIDE LEVEL 5 FINISH FOR WALL LOCATIONS RECEIVING WALL COVERING.
3. PROVIDE LEVEL 4/5 FINISH FOR WALL LOCATIONS RECEIVING EPOXY PAINT.
4. ACT-1 UNDERSIDE OF BRIDGE.

NO.	DATE	DESCRIPTION	BY
5	03/06/2025	ADDENDUM NO.5	HMG
3	02/27/2025	ADDENDUM NO.3	HMG
1	02/13/2025	ADDENDUM NO.1	HMG

REVISIONS

TYLER G. BARTER No. 2952
1-29-25

DRAWN BY: Author
CHECK BY: Designer
NO.
DATE 01/29/2025

DEPARTMENT OF INLAND FISHERIES & WILDLIFE

TITLE NEW OFFICE HEADQUARTERS
LOCATION AUGUSTA, ME
TITLE THIS DWG. ROOM FINISH SCHEDULE

OAK POINT ASSOCIATES
ARCHITECTURE ▫ ENGINEERING ▫ PLANNING
231 Main Street, Biddeford, Maine 04005 207.283.0193

DRAWING NO. AE640
SHEET NO. 152 OF 239

3/7/2025 12:20:03 PM
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COLOR KEY/MANUFACTURER GUIDE

MATERIAL	LOCATIONS	MANUFACTURER MODEL/TYPE	COLOR & FINISH
WALLS			
P-1	GENERAL	BENJAMIN MOORE	TO BE SELECTED
P-2	ACCENT 100,112,127,135, 152	BENJAMIN MOORE	TO BE SELECTED
P-3	TOILET ROOMS, 103	BENJAMIN MOORE	TO BE SELECTED
P-4	GYP CEILINGS	BENJAMIN MOORE	TO BE SELECTED
P-5	208, 216, 231, 236	BENJAMIN MOORE	TO BE SELECTED
P-6	309, 310	BENJAMIN MOORE	TO BE SELECTED
P-7	159,164-171,271,273,274,279, 281, STAIR TOWERS	BENJAMIN MOORE SCRUFF-X	TO BE SELECTED
P-8	DUCTS, CONDUITS AND PIPING	BENJAMIN MOORE	TO BE SELECTED
P-9	ACCENT	BENJAMIN MOORE	TO BE SELECTED
CWT-1	TOILET ROOMS	CROSSVILLE, HANDWRITTEN 3X12	PRIVATE AFFAIR
CWT-2	TOILET ROOMS	PLATFORM/SURFACES, KIT-KATS	WEAR GLOSSY
WP	CUSTODIAL ROOMS, 279	ALTRO PURAGUARD	TO BE SELECTED
AWP-1	100, 200	CONWED WALL PANEL, PAINT, IR	TO BE SELECTED
AWP-2	102A,102B,102C, 109,112	CONWED FABRIC-A, DUVALTEX RESOLVE FABRIC	TO BE SELECTED
AWP-3	112,127,137, 221,231	TAKEFORM OOMPH SHAPES, SH-11 MARQUISE	TO BE SELECTED
EPW	161	DUR-A-FLEX EPOXY WALLS	TO BE SELECTED
WPS	100	TERRAMAI 3D STICK MODULAR PANELS	WHITE OAK
GW	GLASS WALL PARTITIONS	METROWALL HUSH SERIES	TO BE SELECTED
FLOORS			
LVT-1	03,122,133,135,159,167A, 211,239,271,274,305	INTERFACE LEVEL SET, A004	A00416 ANTIQUE DARK OAK
EP-1	161,164,165, 167,168,169,170,171	DUR-A-FLEX ACCELERA HQ MICRO CHIP	Q28-21
EP-2	101,106,107,108,120,121,163,202,203,204, 205,212,213,272,276,278,280,302,304	DUR-A-FLEX ACCELERA HC CLAYSTONE DESIGNER BLEND	ENFIELD
RUB	ALL STAIR TOWERS AND LANDINGS,200,300	ROPPE RENEW RUBBER TREADS AND LANDINGS	R123 CHARCOAL
WM-1	S1,S2,S3 FIRST FLOOR,100A,100B,200,201A	MILLIKEN OBEX TILE CUTX	TO BE SELECTED
WM-2	100A,100B	MILLIKEN OBEX GRID CUTX CLOSED	TO BE SELECTED
CPTT-1	GENERAL USE	INTERFACE WOVEN GRADIENCE WG200,	ASH/GREIGE 107664
CPTT-2	102A,102B,102C	INTERFACE WOVEN GRADIENCE WG100	PINE 108058
CPTT-3	102A,102B,102C	INTERFACE WOVEN GRADIENCE WG200	ONYX/PINE 107672
CPTT-4	118,137,152	INTERFACE URBAN RETREAT UR101	ASH/IVY 103508
CPTT-5	118,137,152	INTERFACE URBAN RETREAT UR103	IVY 100639
CPTT-6	208,216,221,231,243,247,261	INTERFACE NET EFFECT B602	PACIFIC
CPTT-7	300,309,321,323	INTERFACE GRANITE MOUNTAIN, BRIDGE CREEK	MINERAL EDGE
PT-1	100	CROSSVILLE OWEN STONE 24X48	SABLE
PT-2	100A,100B,101,104,106,107,108	CROSSVILLE OWEN STONE 12X24	SABLE
CONC	105,130,131,132,158,160,166,214,237,238,270,273,275,277,279,281,302,303,330		
BASE			
RB-1	CARPET AREAS	ROPPE, PINNACLE, 4" TOELESS/STRAIGHT	TO BE SELECTED
RB-2	RESILIENT AND NON-CARPETED AREAS	ROPPE, PINNACLE, 4" COVE	TO BE SELECTED
EP-1	161,164,165,166,167,168,169,170	DUR-A-FLEX ACCELERA HQ MICRO CHIP	TO BE SELECTED
EP-2	TOILET ROOMS (TANKED BASE)	DUR-A-FLEX ACCELERA HC CLAYSTONE DESIGNER BLEND	ENFIELD
WB	102A, 102B, 102C	MILLWORK WOOD BASE	TO BE SELECTED
PB	100, 101, 104, 106-108	CROSSVILLE OWEN STONE	SABLE
CEILINGS			
ACT-1	GENERAL USE	ARMSTRONG CALLA 24X24	WHITE
ACT-2A	118,127	CONWED CLOUD/PAINT/A, 3' X 6'	WHITE
ACT-2B	109, 110, 111, 111A, 112	CONWED CLOUD/PAINT/A, 3' X 8'	WHITE
WD	135,137,152,243,247,261,300,309	ARMSTRONG WOODWORKS LINEAR SOLID PANEL	GGM GOLDEN MAPLE
CLT	EXPOSED WOOD CEILINGS	TO BE SELECTED	TO BE SELECTED
MISCELLANEOUS			
SS-1	COUNTERTOPS-CANTEENS & BREAKROOMS	FORMICA EVERFORM	758 BIANCO MINERAL
SS-2	WINDOW SILLS	FORMICA EVERFORM	TO BE SELECTED
MW	102A,102B,102C	MODERNFOLD SKYFOLD ZENITH	TO BE SELECTED
PLAM-1		WILSONART TRACELESS ULTRA MATTE	15518 SPRUCE VELVET
PLAM-2		WILSONART TRACELESS ULTRA MATTE	15515 NILE VELVET
PLAM-3		WILSONART TRACELESS ULTRA MATTE	1504 CHARCOAL VELVET
PLAM-4	102C	WILSONART SOFT GRAIN FINISH	7981K LANDMRK WOOD
PLAM-5	161,167,168,169,170, NECROPSY LAB	WILSONART CHEM SURFACE	TO BE SELECTED
EPOXY RESIN	167	DIVERSIFIED WOODCRAFTS, EPOXY RESIN COUNTERTOPS	GRAY
CHEMGUARD	NECROPSY LAB	DIVERSIFIED WOODCRAFTS, CHEMGUARD WITH 3MM PVC...	BLACK GRAY
WS-1	GENERAL USE	URBAN SHADE MECHOSHADE 1% OPENNESS, MANUAL	TO BE SELECTED
WS-2	102A,102B,102C	URBAN SHADE MECHOSHADE, ELECTRIC, DUAL	TO BE SELECTED
CG-1	CORNER GUARD	INPRO BIOBLEND G2 160R HIGH IMPACT CORNER GUARD	TO BE SELECTED
CG-2	CORNER GUARD	INPRO STAINLESS STEEL CORNER GUARD 2" WING	TO BE SELECTED
DR	DECORATIVE RAILING	HDI RAILING SYSTEMS, CIRCUM	STAINLESS STEEL
WF-1	INTERIOR GLASS PARTITION FILMS	TAKEFORM GHOST	PATTERNS TO BE SELECTED
WF-2-5	CONFERENCE ROOM FILMS	TAKEFORM CLARITY	PATTERNS TO BE SELECTED
WC	LOBBY	TAKEFORM TRAFFIC	PATTERNS TO BE SELECTED

ROOM FINISH SCHEDULE ABBREVIATIONS:

WALLS:
AWP = ACOUSTIC WALL PANEL
CWT = CERAMIC WALL TILE
EPW = EPOXY PAINTED WALLS
GW = GLASS WALLS
P = PAINT
WP = WALL PANEL
WPS = WOOD PANEL SYSTEM

FLOORS:
CONC = SEALED CONCRETE
CPTT = CARPET TILE
EP = EPOXY
LVT = LUXURY VINYL TILE
PT = PORCELAIN TILE
RUB = RUBBER
WM = WALK-OFF MAT

BASE;
EP = EPOXY BASE
RB = RUBBER BASE

CEILING:
ACT = ACOUSTIC CEILING TILE
CLT = CROSS LAMINATED TIMBER
WD = WOOD CEILING

MISCELLANEOUS:
CG = CORNER GUARD
PLAM = PLASTIC LAMINATE
MW = MOVEABLE WALL
SS = SOLID SURFACE
WS = WINDOW SHADE
DR = DECORATIVE RAILING
WF = WINDOW FILM
WC = WALLCOVERING

NO.	DATE	DESCRIPTION	BY
5	03/06/2025	ADDENDUM NO.5	HMG
1	02/13/2025	ADDENDUM NO.1	HMG

REVISIONS

TYLER G. BARTER
No. 2982
1-29-25

DRAWN BY: Author
CHECK BY: Designer
NO.
DATE 01/29/2025

DEPARTMENT OF INLAND FISHERIES & WILDLIFE
TITLE NEW OFFICE HEADQUARTERS
LOCATION AUGUSTA, ME
TITLE THIS DWG. ROOM FINISH SCHEDULE AND COLOR KEY

OAK POINT ASSOCIATES
ARCHITECTURE ■ ENGINEERING ■ PLANNING
231 Main Street, Biddeford, Maine 04005 207.283.0193

DRAWING NO. AE641
SHEET NO. 153 OF 239

3/7/2025 12:20:14 PM
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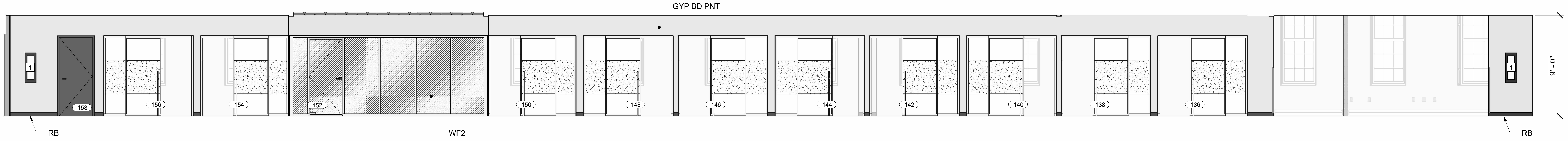
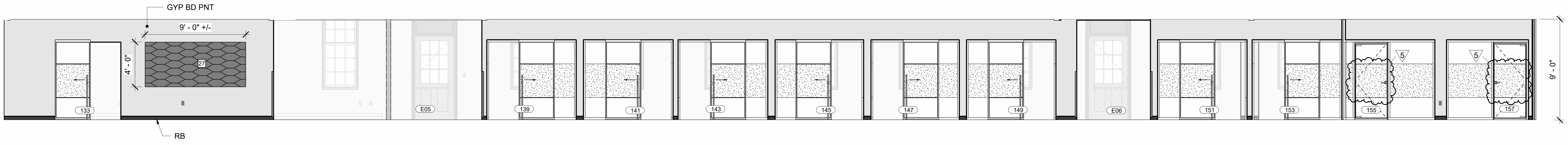


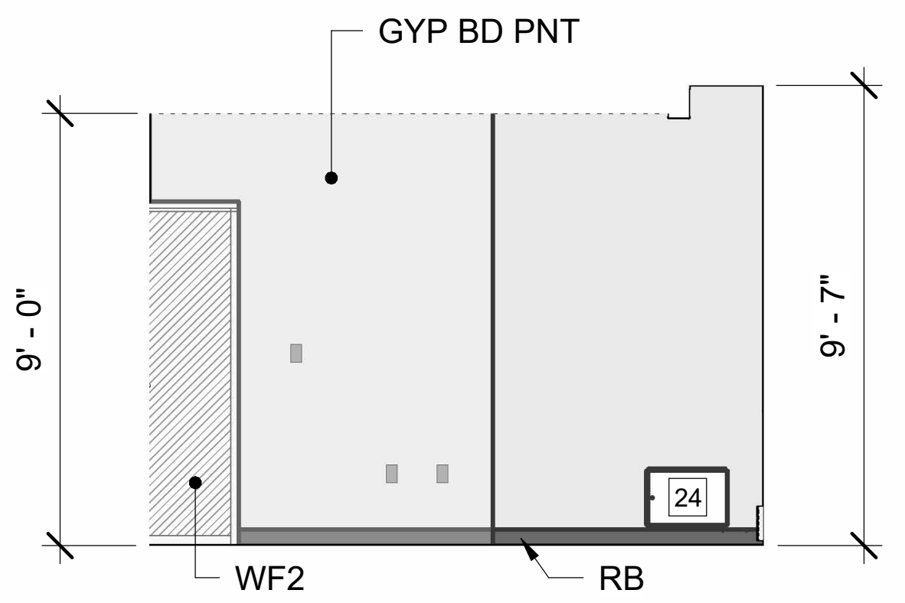
1 CORRIDOR 137 EAST ELEVATION
AE101 AE741 SCALE: 1/4" = 1'-0"

GENERAL NOTES

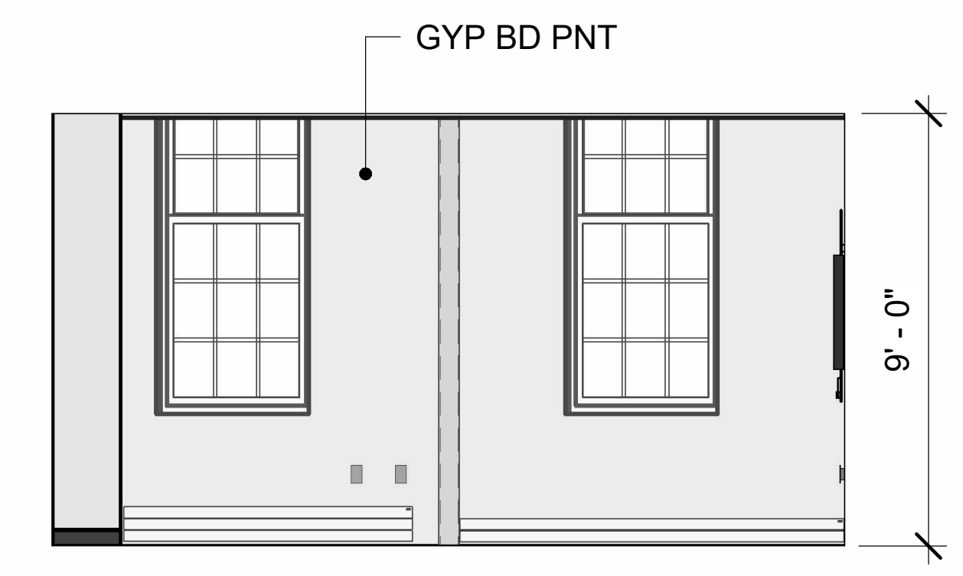
1. SEE SHEETS AE101, AE102, OR AE103 FOR KEYNOTES.
2. SEE SHEETS AE601-AE602 FOR DOOR SCHEDULE AND TYPES.
3. SEE SHEET AE620 FOR WINDOW, STOREFRONT, CURTAINWALL, AND BORROWED LITE TYPES.
4. SEE SHEET AE630 FOR DEMOUNTABLE PARTITION DETAILS.
5. SEE SHEETS AE640-AE641 FOR ROOM FINISH SCHEDULE.



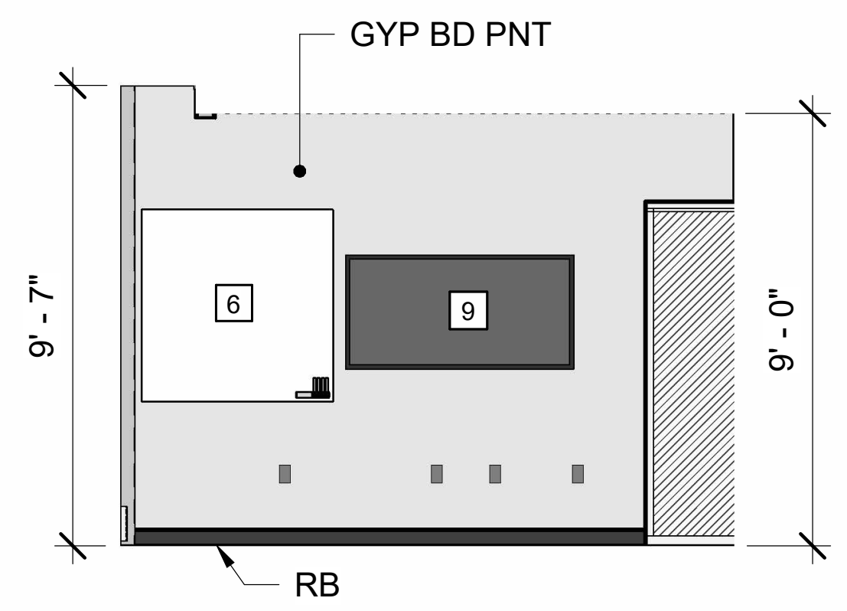
2 CORRIDOR 137 WEST ELEVATION
AE101 AE741 SCALE: 1/4" = 1'-0"



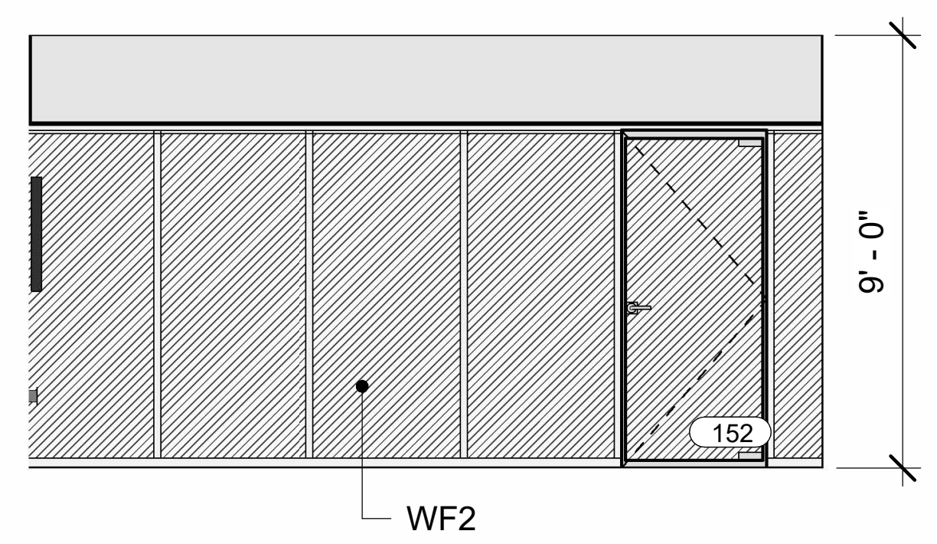
3 CONFERENCE ROOM 152 NORTH ELEVATION
AE101 AE741 SCALE: 1/4" = 1'-0"



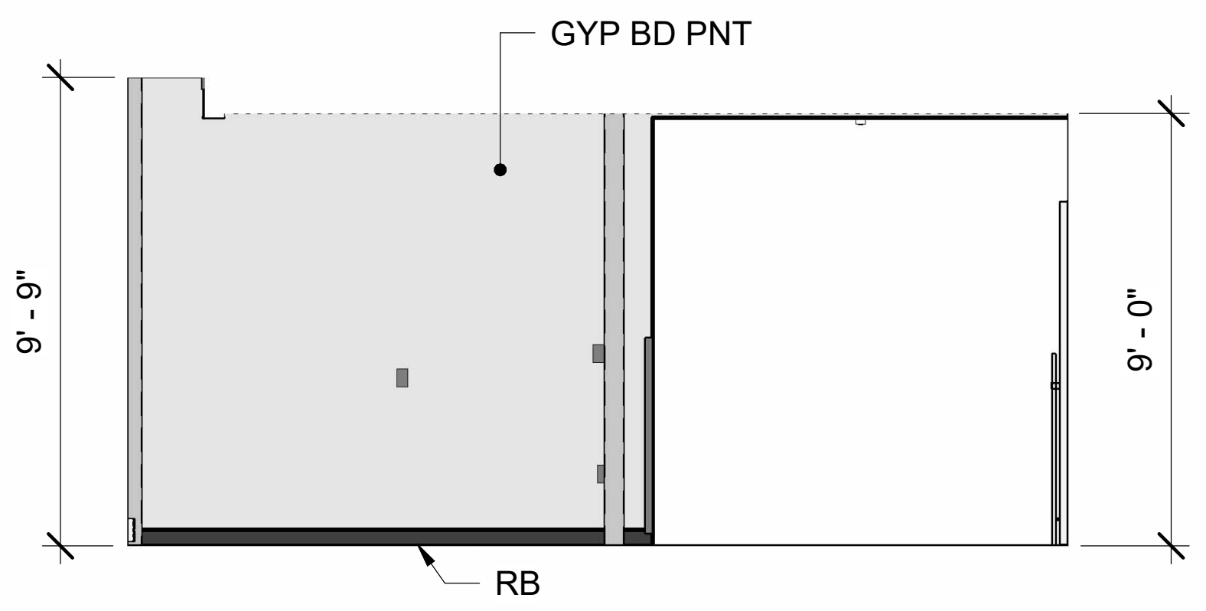
4 CONFERENCE ROOM 152 EAST ELEVATION
AE101 AE741 SCALE: 1/4" = 1'-0"



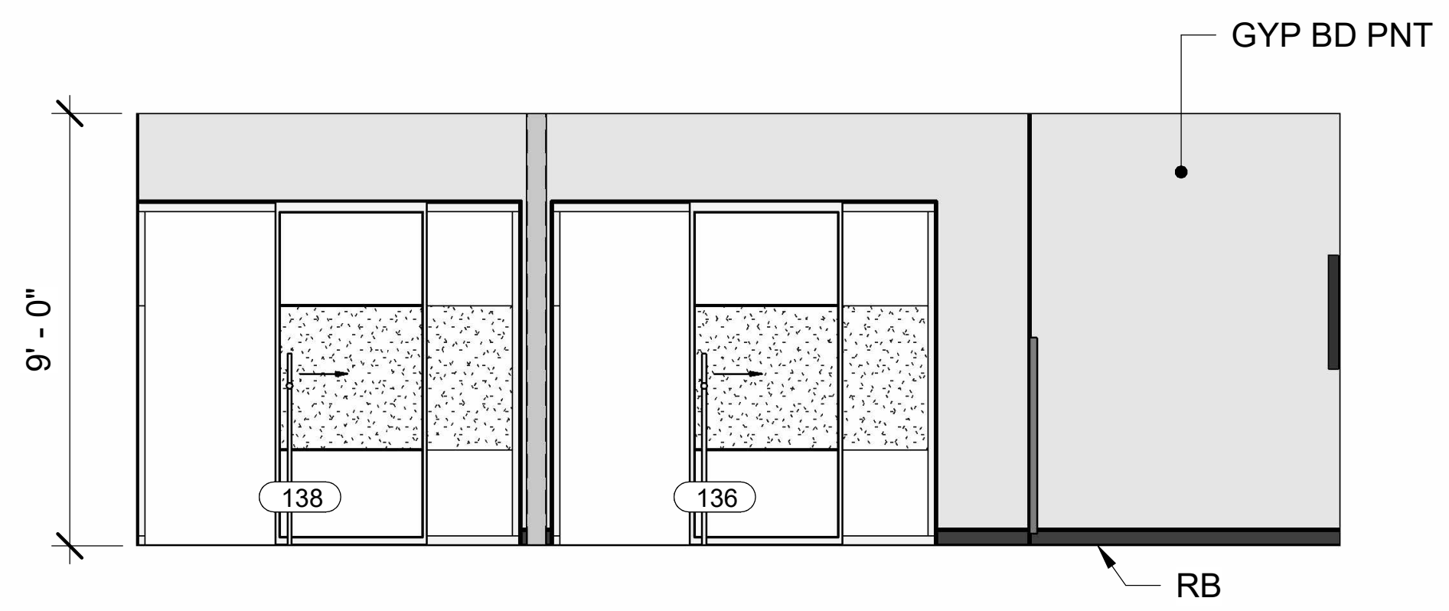
5 CONFERENCE ROOM 152 SOUTH ELEVATION
AE101 AE741 SCALE: 1/4" = 1'-0"



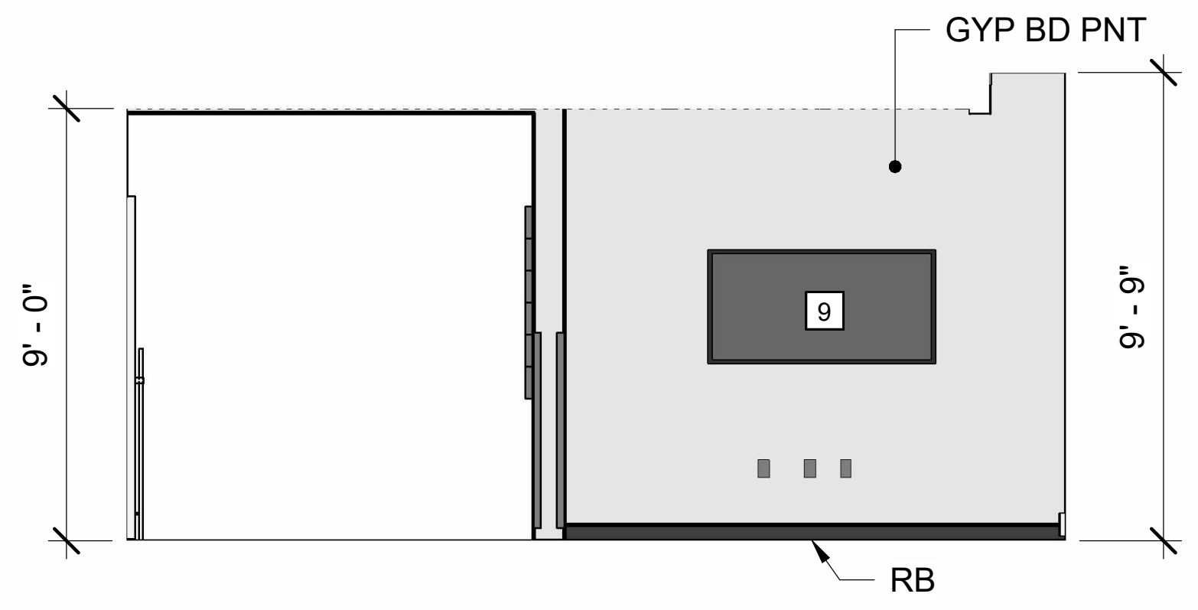
6 CONFERENCE ROOM 152 WEST ELEVATION
AE101 AE741 SCALE: 1/4" = 1'-0"



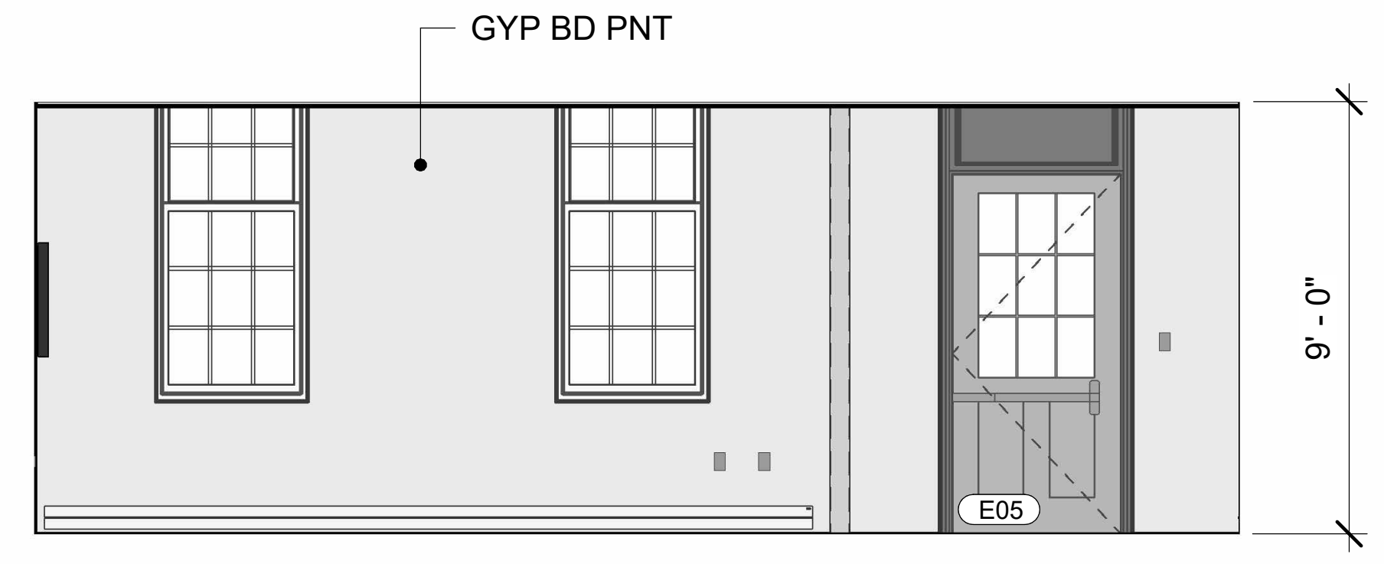
7 BREAK OUT ROOM 135 NORTH ELEVATION
AE101 AE741 SCALE: 1/4" = 1'-0"



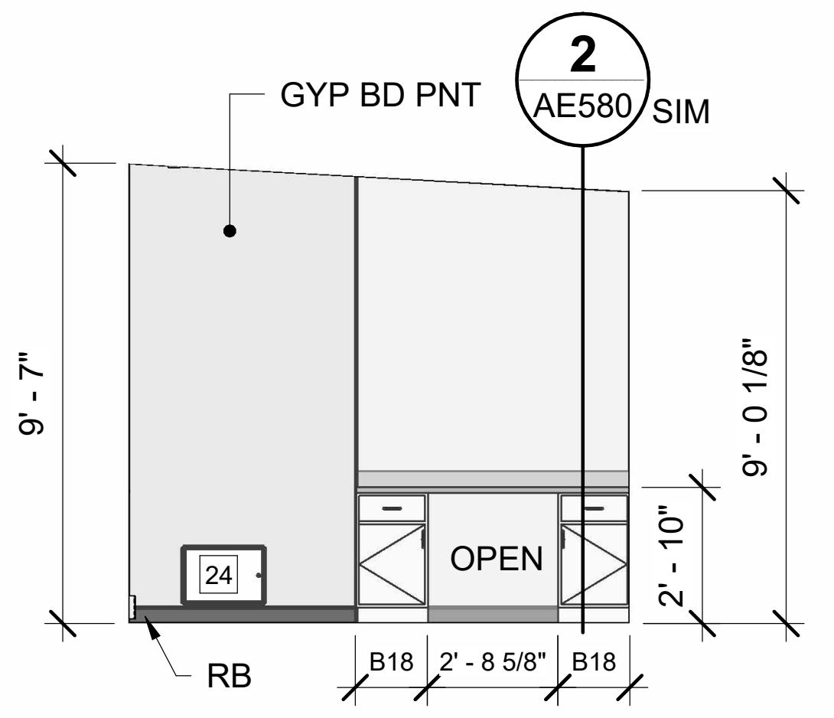
8 BREAK OUT ROOM 135 EAST ELEVATION
AE101 AE741 SCALE: 1/4" = 1'-0"



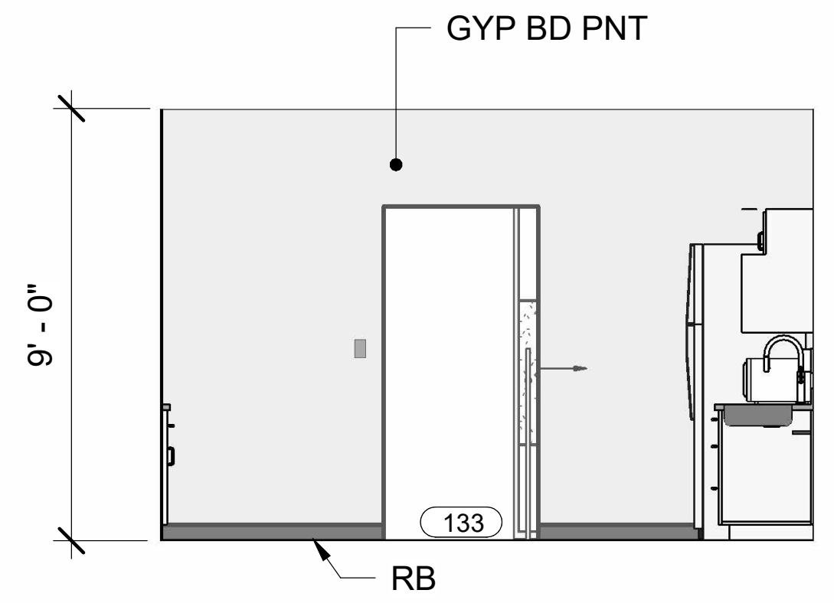
9 BREAK OUT ROOM 135 SOUTH ELEVATION
AE101 AE741 SCALE: 1/4" = 1'-0"



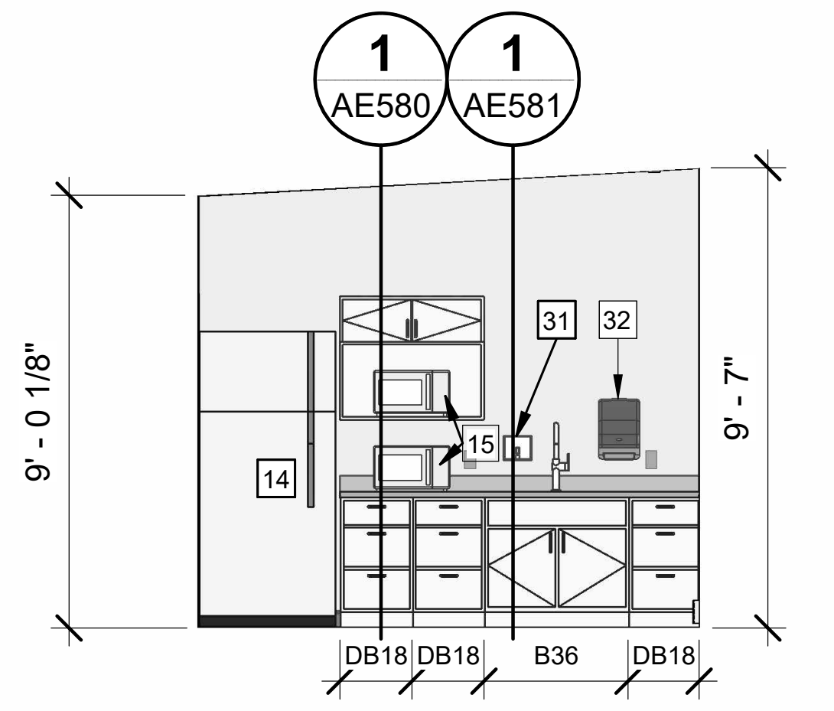
10 BREAK OUT ROOM 135 WEST ELEVATION
AE101 AE741 SCALE: 1/4" = 1'-0"



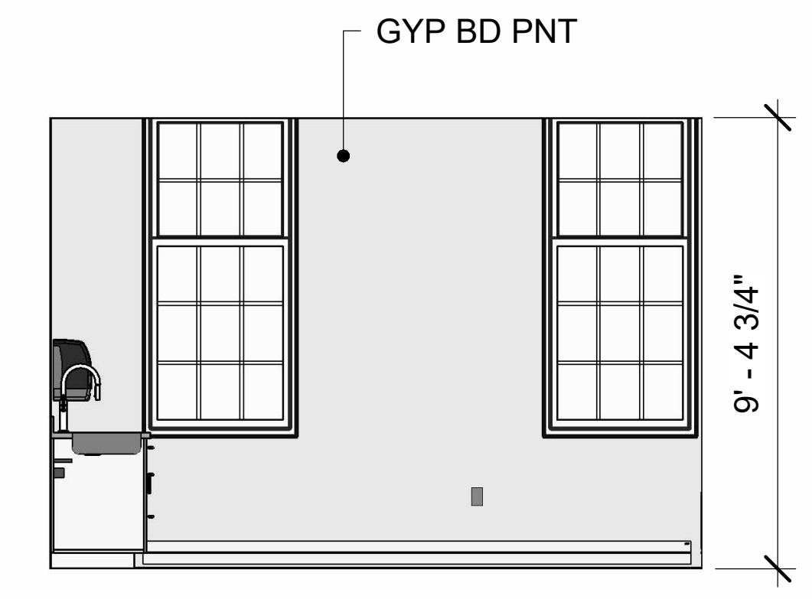
11 BREAK ROOM 133 NORTH ELEVATION
AE101 AE741 SCALE: 1/4" = 1'-0"



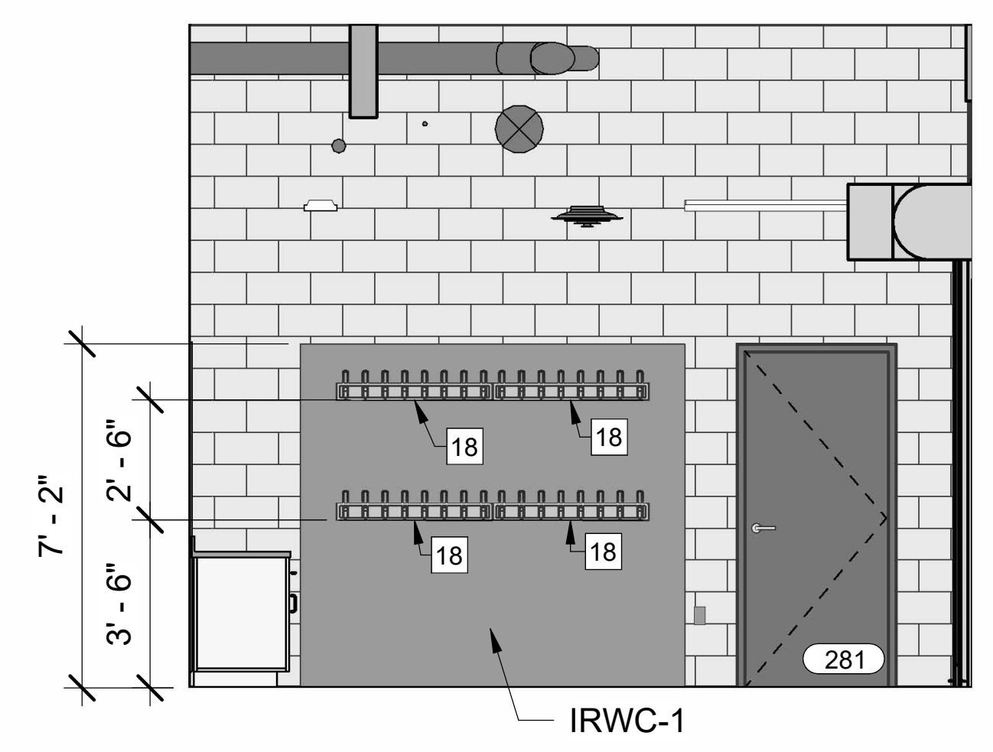
12 BREAK ROOM 133 EAST ELEVATION
AE101 AE741 SCALE: 1/4" = 1'-0"



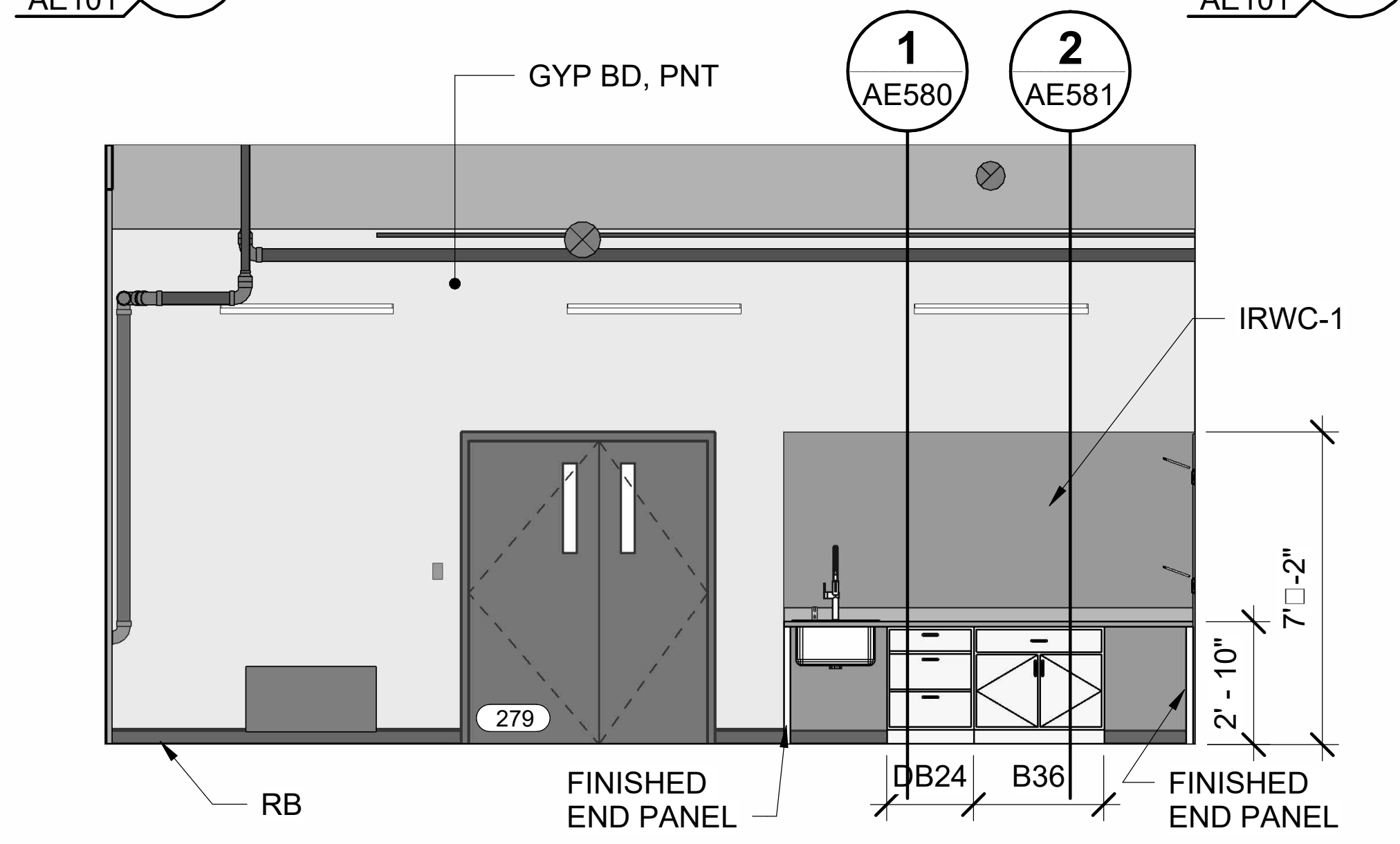
13 BREAK ROOM 133 SOUTH ELEVATION
AE101 AE741 SCALE: 1/4" = 1'-0"



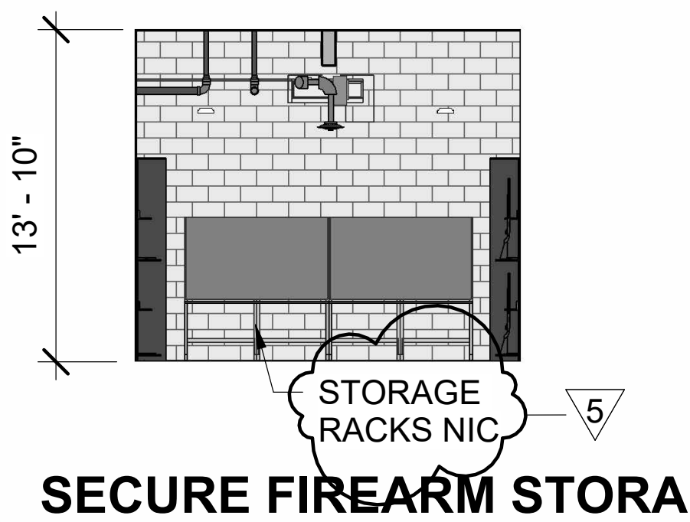
14 BREAK ROOM 133 WEST ELEVATION
AE101 AE741 SCALE: 1/4" = 1'-0"



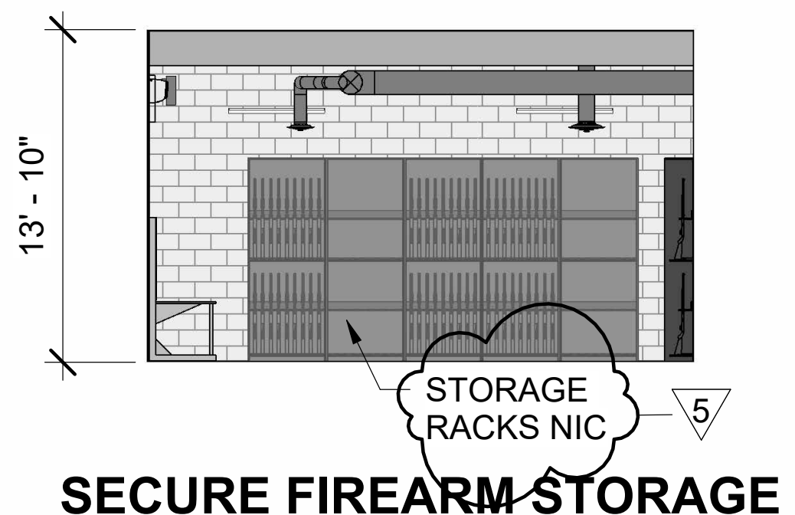
15 RECEIVING 279 NORTH ELEVATION
AE102 AE741 SCALE: 1/4" = 1'-0"



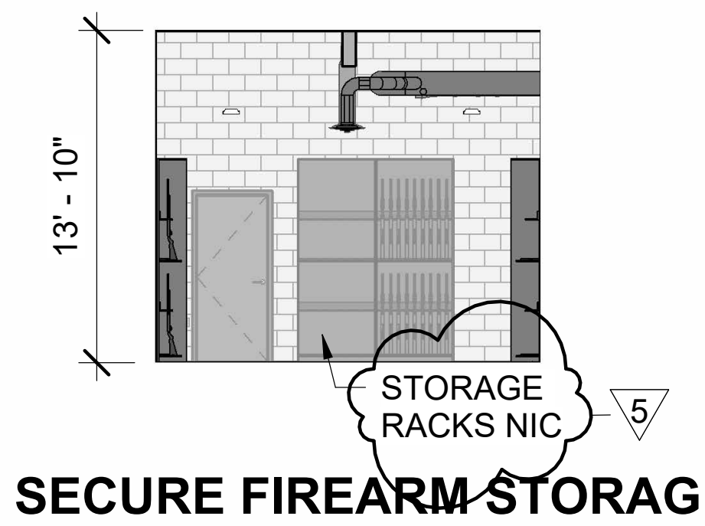
16 RECEIVING 279 WEST ELEVATION
AE102 AE741 SCALE: 1/4" = 1'-0"



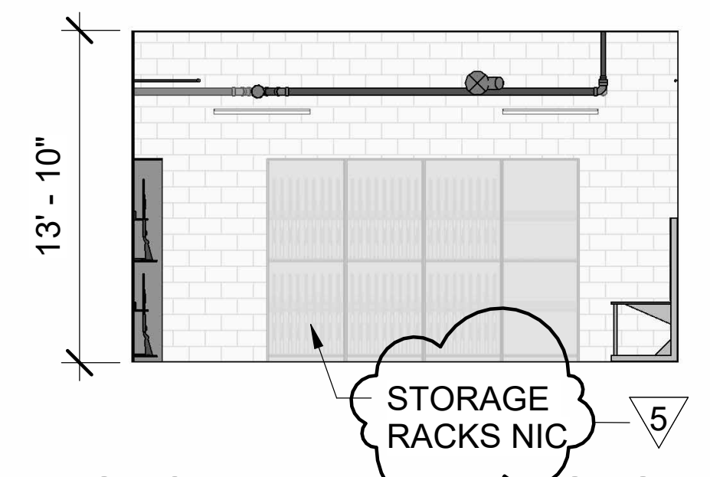
17 SECURE FIREARM STORAGE 281 NORTH ELEVATION
AE102 AE741 SCALE: 1/8" = 1'-0"



18 SECURE FIREARM STORAGE 281 EAST ELEVATION
AE102 AE741 SCALE: 1/8" = 1'-0"

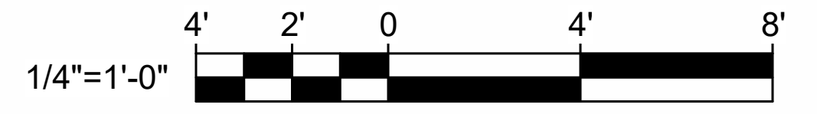


19 SECURE FIREARM STORAGE 281 SOUTH ELEVATION
AE102 AE741 SCALE: 1/8" = 1'-0"



20 SECURE FIREARM STORAGE 281 WEST ELEVATION
AE102 AE741 SCALE: 1/8" = 1'-0"

GRAPHIC SCALE



CHECK GRAPHIC SCALE BEFORE USING

NO.	DATE	DESCRIPTION	BY
5	03/06/2025	ADDENDUM NO.5	HMG
3	02/27/2025	ADDENDUM NO.3	HMG
1	02/13/2025	ADDENDUM NO.1	HMG

REVISIONS

TYLER G. BARTER No. 2952
1-29-25

DRAWN BY: Author
CHECK BY: Designer
NO.
DATE 01/29/2025

DEPARTMENT OF INLAND FISHERIES & WILDLIFE
TITLE NEW OFFICE HEADQUARTERS
LOCATION AUGUSTA, ME
TITLE THIS DWG. INTERIOR ELEVATIONS 2

OAK POINT ASSOCIATES
ARCHITECTURE ▫ ENGINEERING ▫ PLANNING
231 Main Street, Biddeford, Maine 04005 207.283.0193

DRAWING NO. AE741
SHEET NO. 162 OF 239

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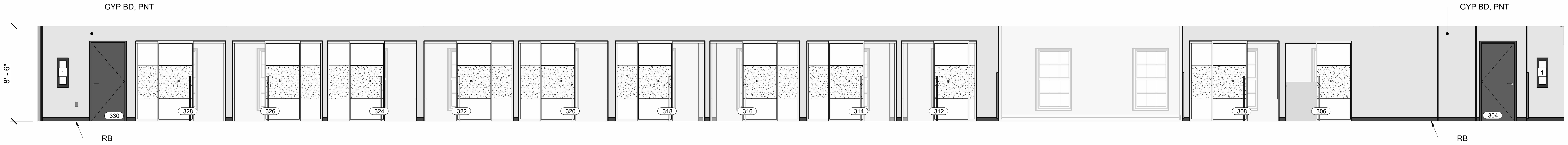
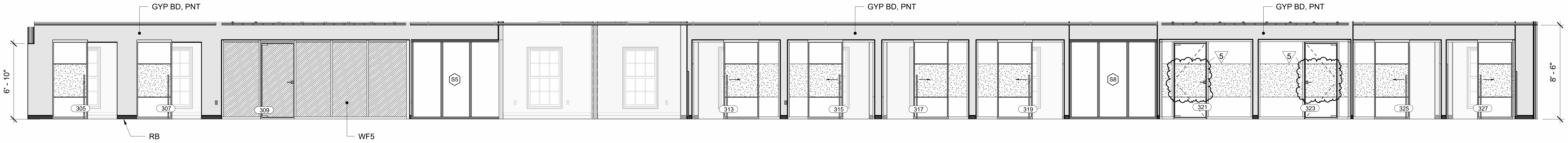


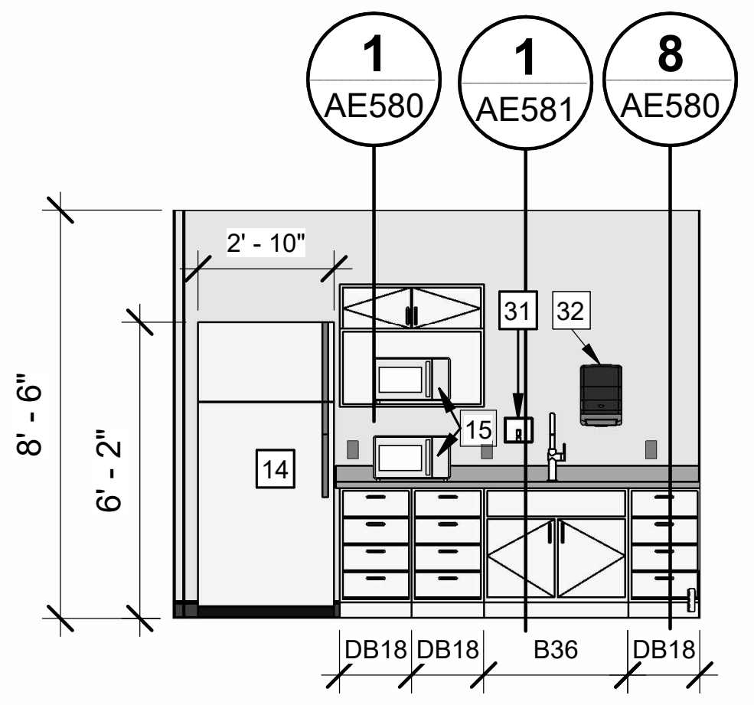
1 AE743 **CORRIDOR 300 EAST ELEVATION**
SCALE: 1/4" = 1'-0"
AE103

GENERAL NOTES

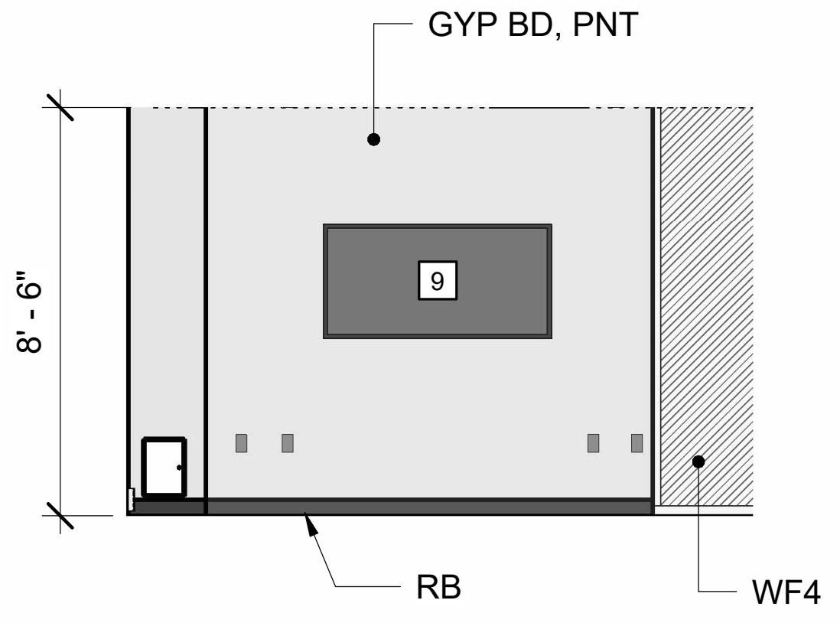
1. SEE SHEETS AE101, AE102, OR AE103 FOR KEYNOTES.
2. SEE SHEETS AE601-AE602 FOR DOOR SCHEDULE AND TYPES.
3. SEE SHEET AE620 FOR WINDOW, STOREFRONT, CURTAINWALL, AND BORROWED LITE TYPES.
4. SEE SHEET AE630 FOR DEMOUNTABLE PARTITION DETAILS.
5. SEE SHEETS AE640-AE641 FOR ROOM FINISH SCHEDULE.



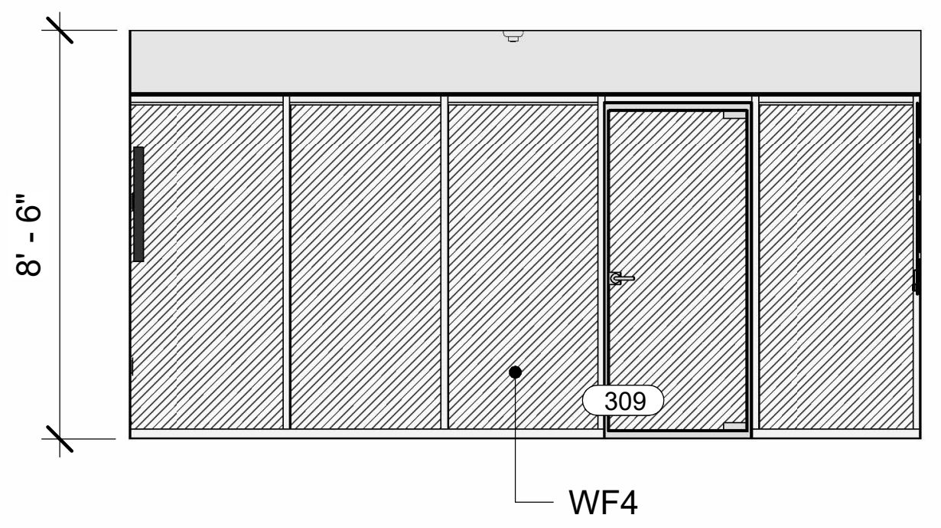
2 AE743 **CORRIDOR 300 WEST ELEVATION**
SCALE: 1/4" = 1'-0"
AE103



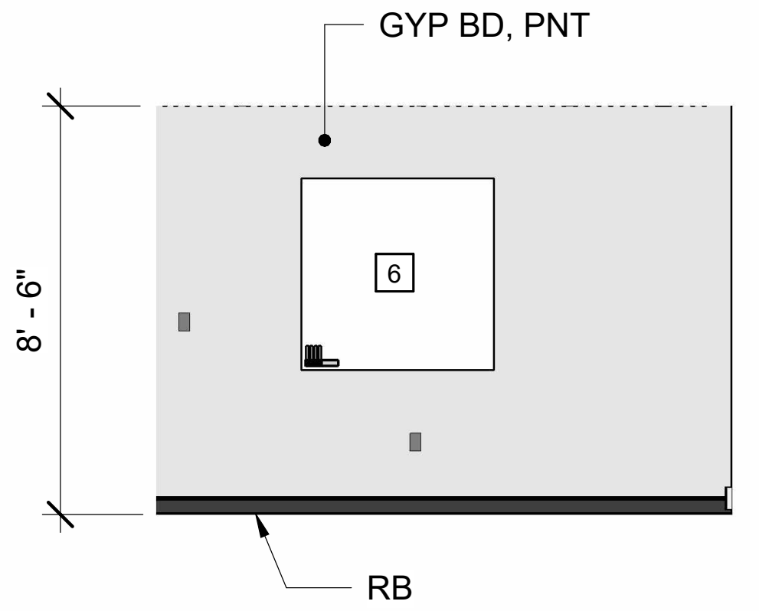
3 AE743 **CANTEEN 305 SOUTH ELEVATION**
SCALE: 1/4" = 1'-0"
AE103



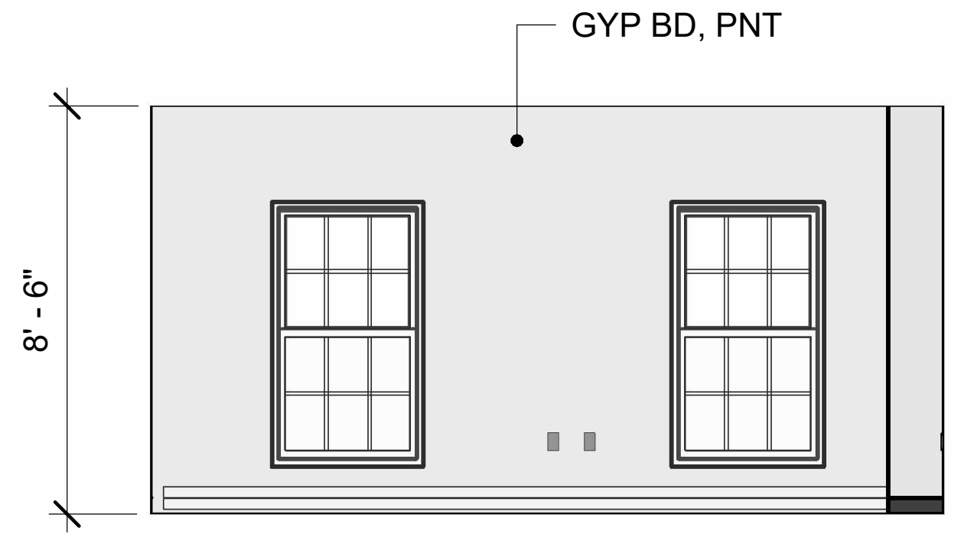
4 AE743 **TELECON 309 NORTH ELEVATION**
SCALE: 1/4" = 1'-0"
AE103



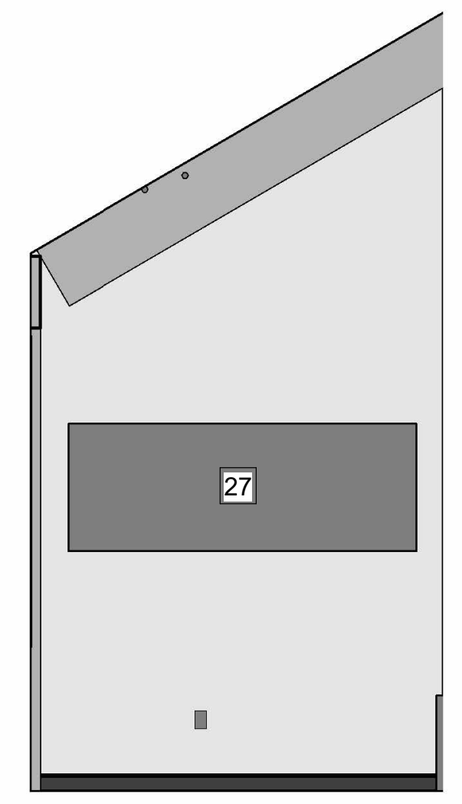
5 AE743 **TELECON 309 EAST ELEVATION**
SCALE: 1/4" = 1'-0"
AE103



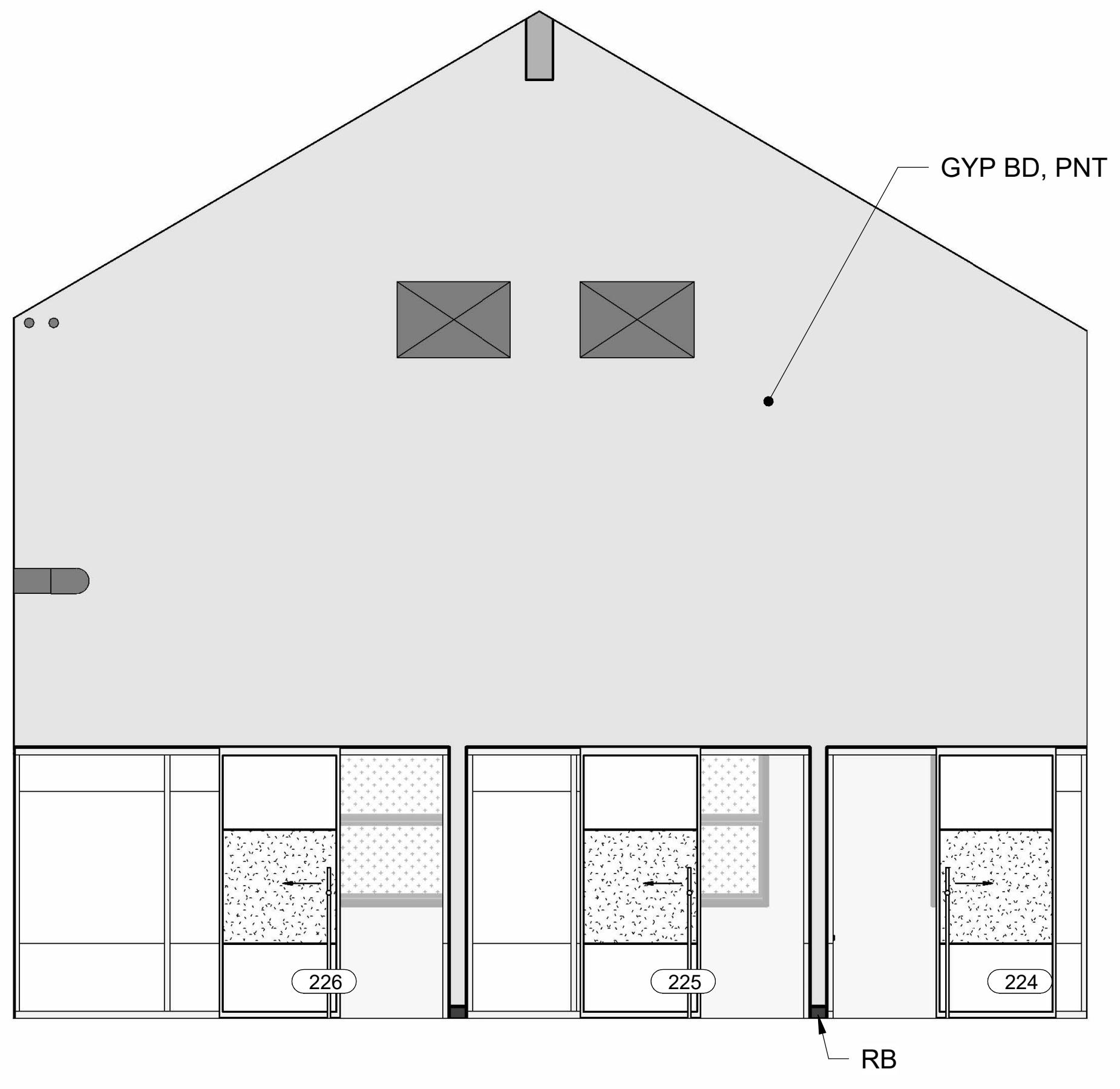
6 AE743 **TELECON 309 SOUTH ELEVATION**
SCALE: 1/4" = 1'-0"
AE103



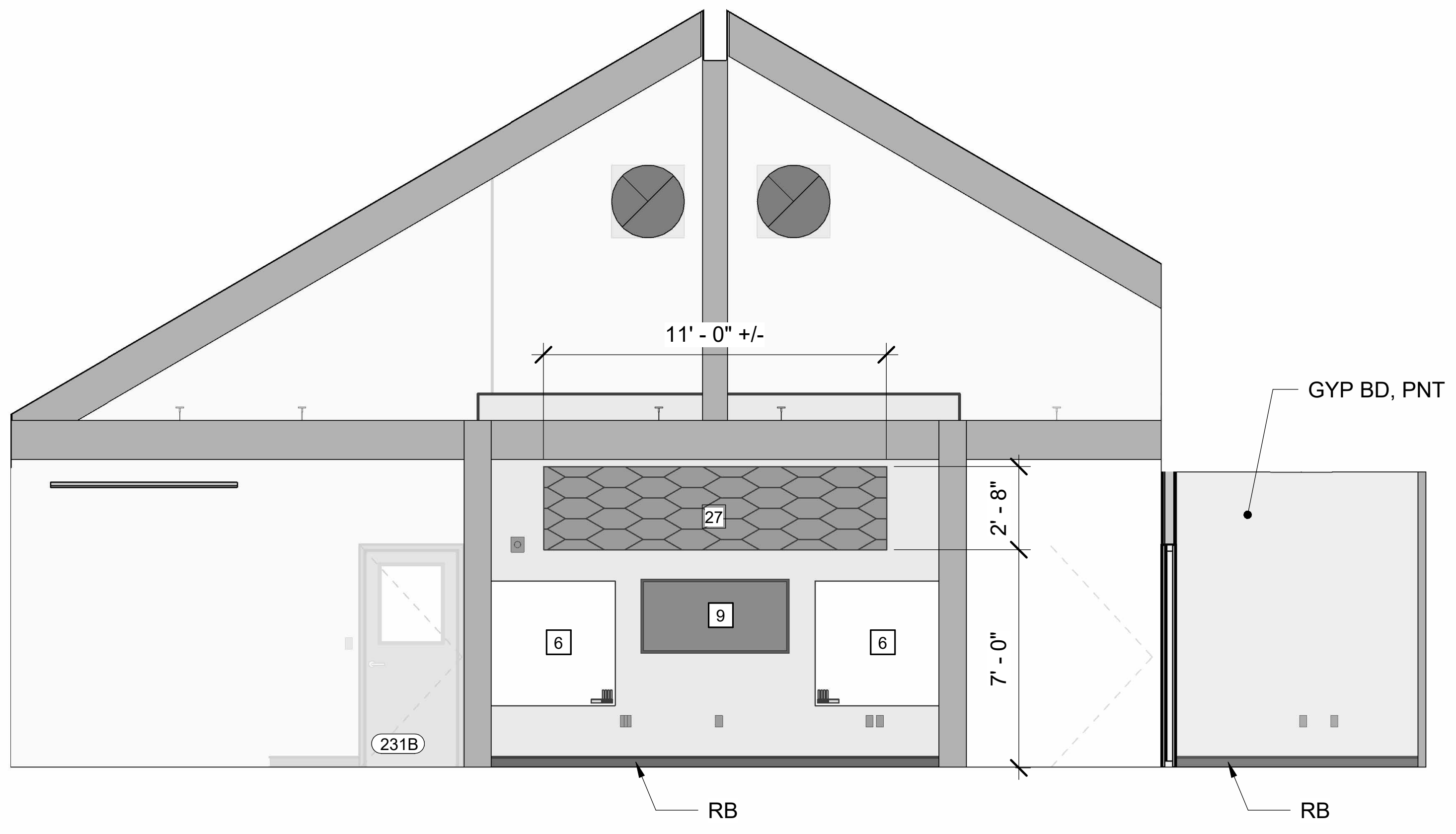
7 AE743 **TELECON 309 WEST ELEVATION**
SCALE: 1/4" = 1'-0"
AE103



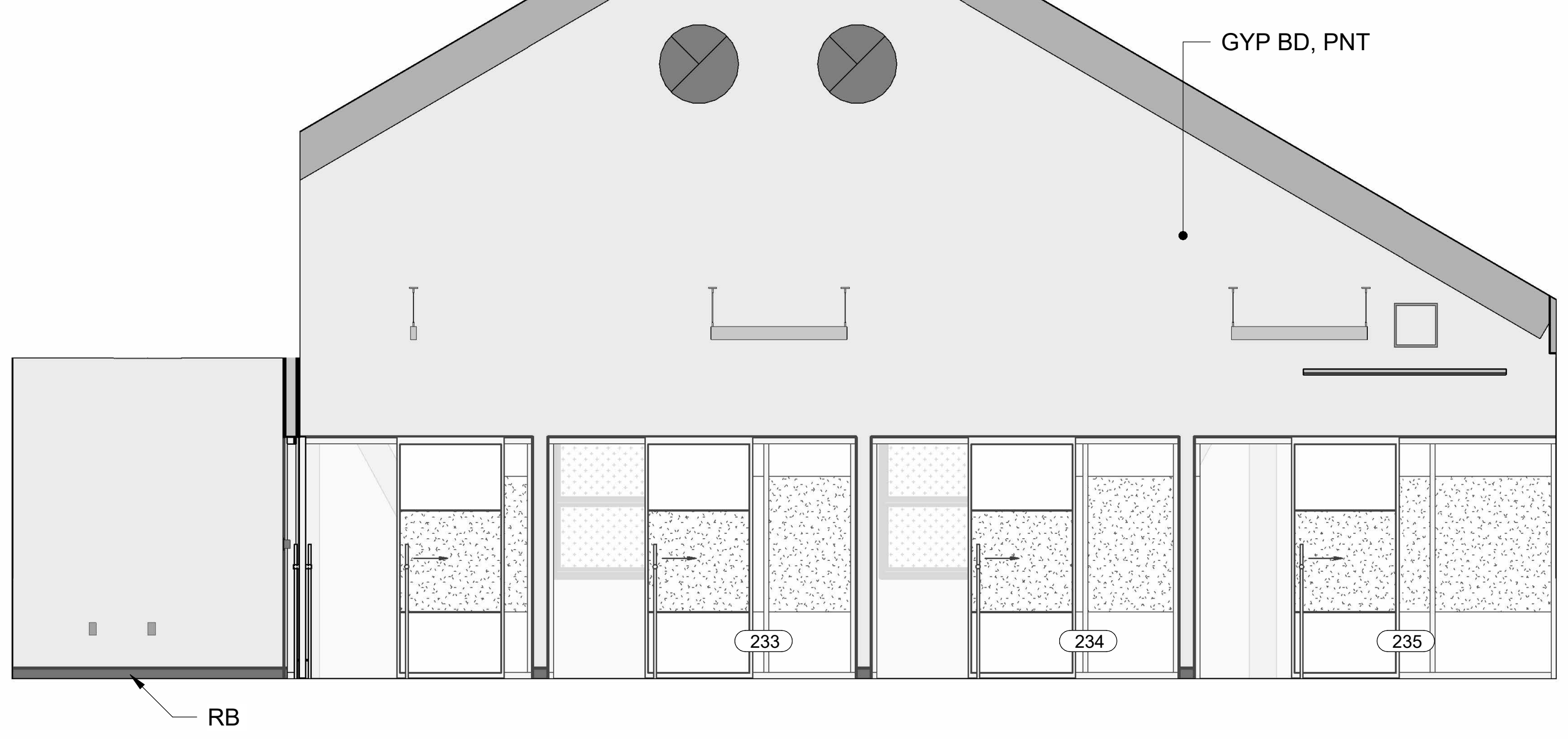
11 AE743 **WAITING ROOM 221**
SCALE: 1/4" = 1'-0"
AE102



8 AE743 **CORRIDOR 215 WEST ELEVATION**
SCALE: 1/4" = 1'-0"
AE102

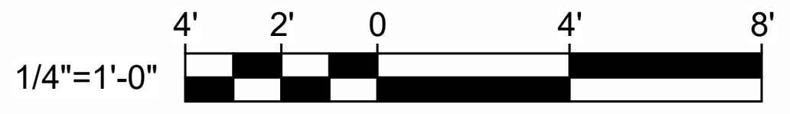


9 AE743 **OPEN CONF 231 NORTH ELEVATION**
SCALE: 1/4" = 1'-0"
AE102



10 AE743 **OPEN CONF 231 SOUTH ELEVATIONS**
SCALE: 1/4" = 1'-0"
AE102

GRAPHIC SCALE



CHECK GRAPHIC SCALE BEFORE USING

NO.	DATE	DESCRIPTION	BY
5	03/06/2025	ADDENDUM NO.5	HMG
3	02/27/2025	ADDENDUM NO.3	HMG
1	02/13/2025	ADDENDUM NO.1	HMG

REVISIONS

TYLER G. BARTER No. 2952
1-29-25

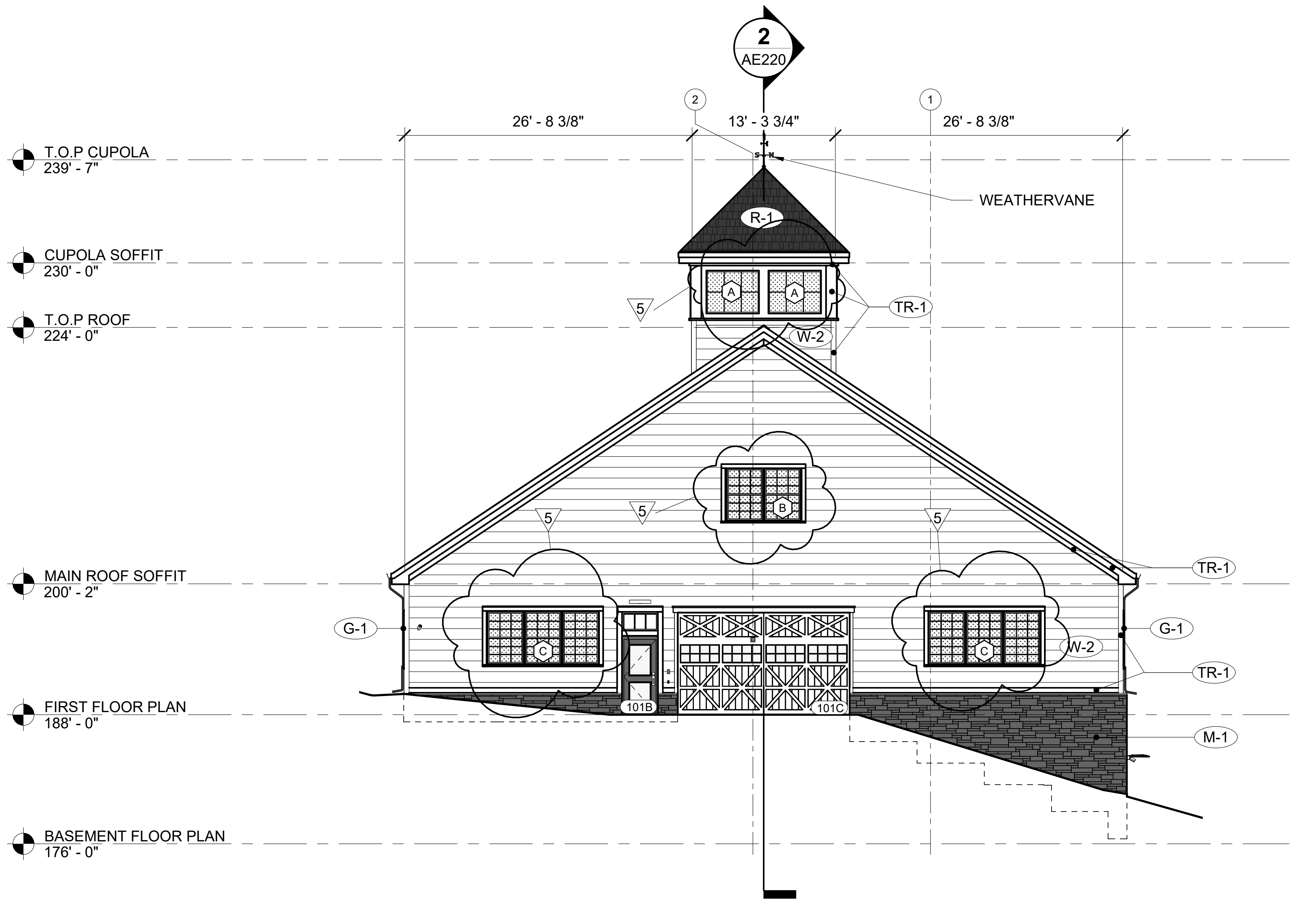
DEPARTMENT OF INLAND
FISHERIES & WILDLIFE

TITLE NEW OFFICE HEADQUARTERS
LOCATION AUGUSTA, ME
TITLE THIS DWG. INTERIOR ELEVATIONS 4

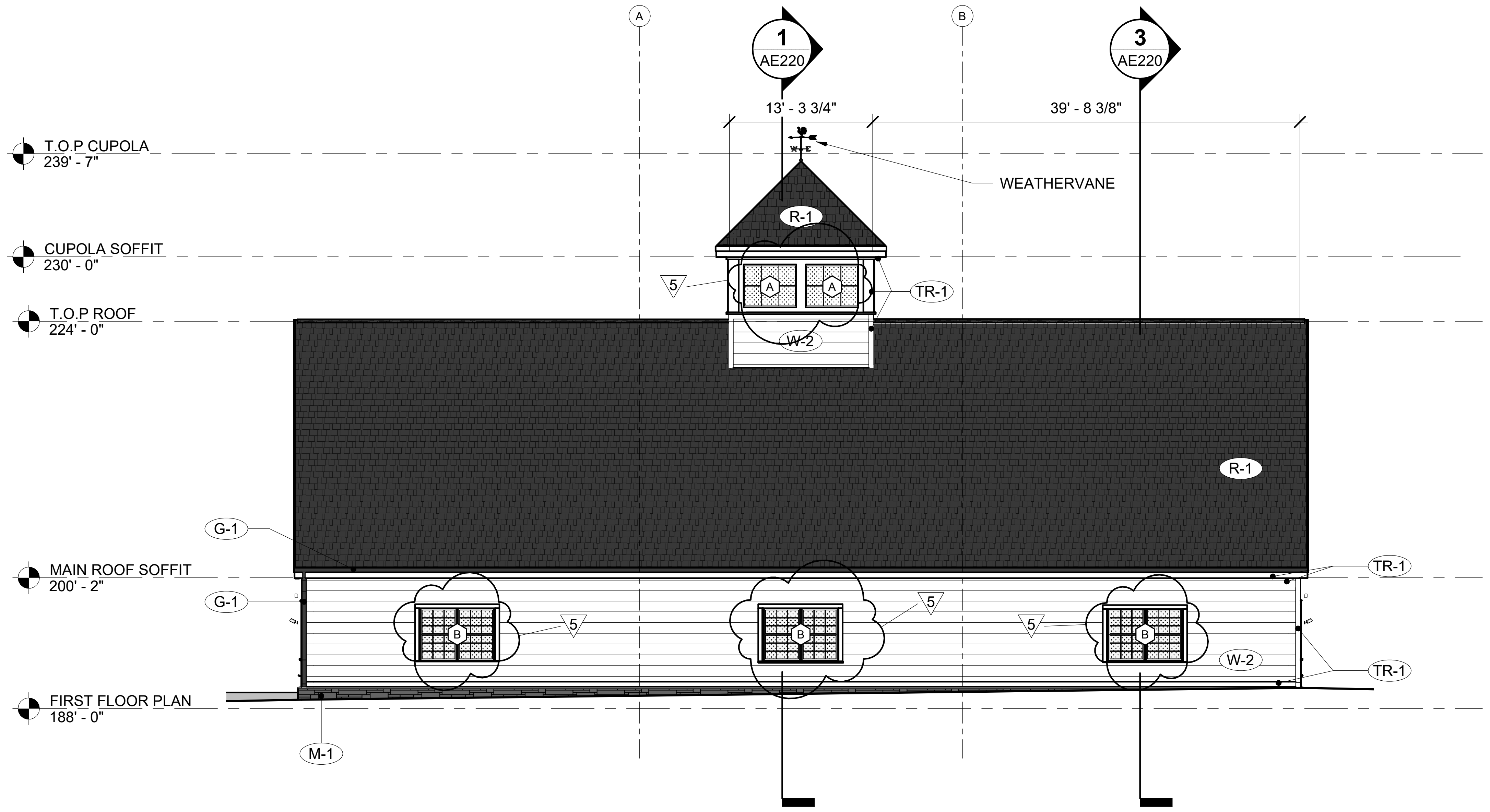
DRAWN BY: Author
CHECK BY: Designer
NO.
DATE 01/29/2025

OAK POINT ASSOCIATES
ARCHITECTURE ◻ ENGINEERING ◻ PLANNING
231 Main Street, Biddeford, Maine 04005 207.283.0193

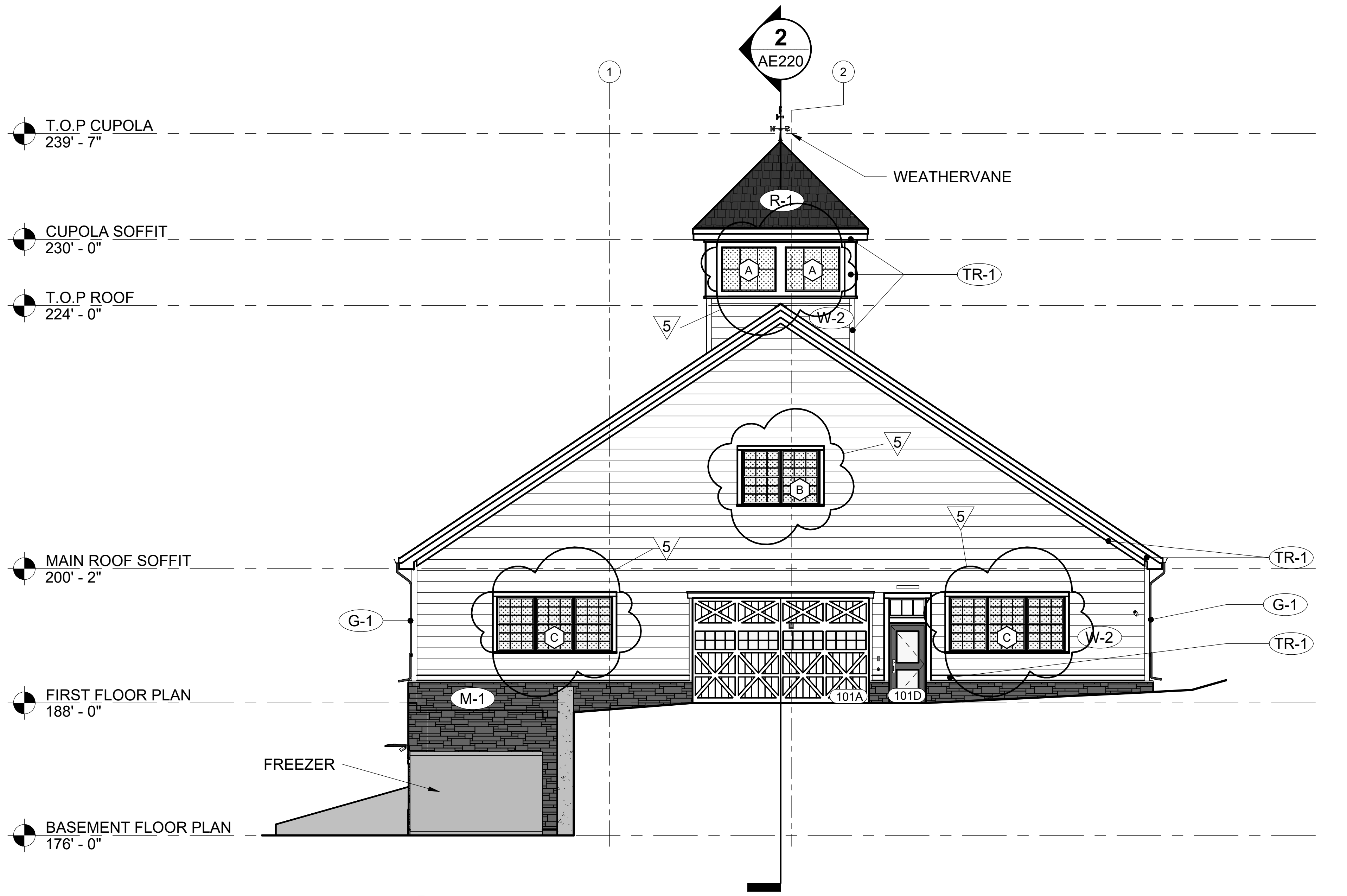
DRAWING NO. AE743
SHEET NO. 164 OF 239



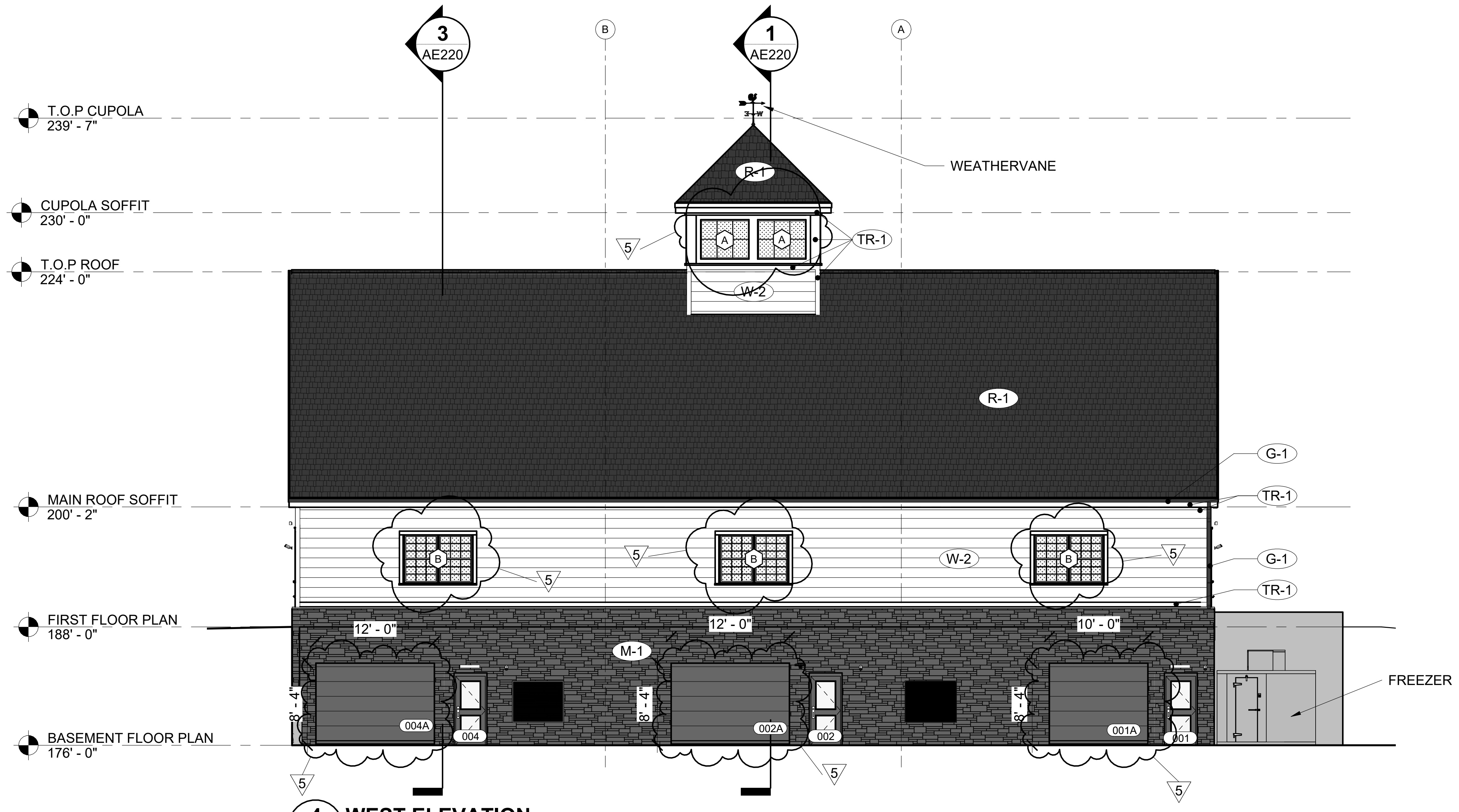
1 AE202 **NORTH ELEVATION**
SCALE: 1/8" = 1'-0"
AE101



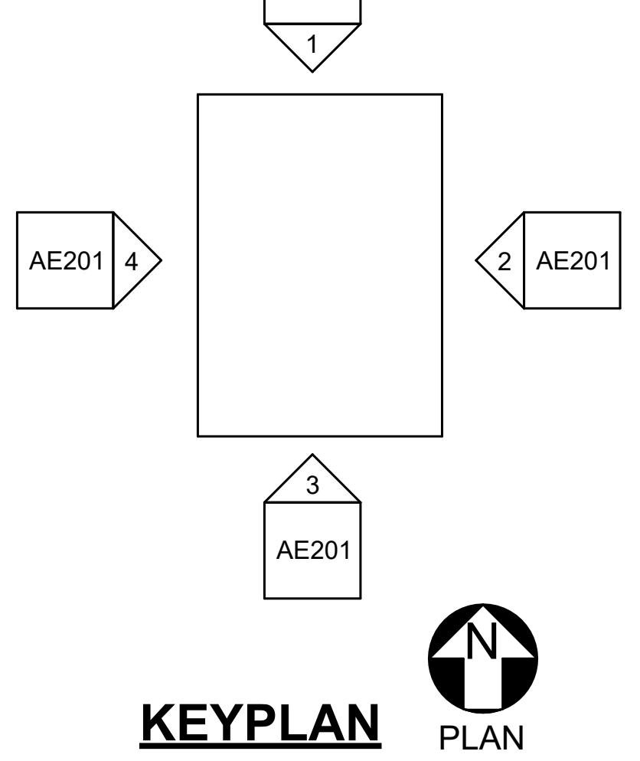
2 AE202 **EAST ELEVATION**
SCALE: 1/8" = 1'-0"
AE101



3 AE202 **SOUTH ELEVATION**
SCALE: 1/8" = 1'-0"
AE101



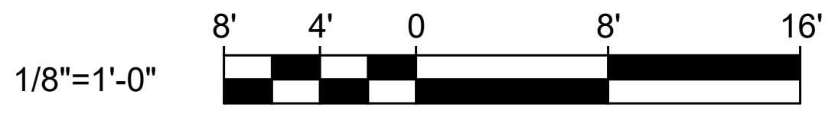
4 AE202 **WEST ELEVATION**
SCALE: 1/8" = 1'-0"
AE101



KEYPLAN
NOT TO SCALE

PLAN
NORTH

GRAPHIC SCALE



CHECK GRAPHIC SCALE BEFORE USING

GENERAL NOTES:

1. SEE SHEET AE601 FOR DOOR SCHEDULE.
2. SEE SHEET AE620 FOR WINDOW SCHEDULE.
3. GRADING SHOWN IN EXTERIOR ELEVATIONS IS ONLY A GRAPHICAL REPRESENTATION. SEE CIVIL DRAWINGS FOR SITE GRADING.
4. COORDINATE WITH CIVIL, STRUCTURAL, FIRE SUPRESSION, MECHANICAL, PLUMBING, AND ELECTRICAL SHEETS.

GENERAL MATERIALS KEYNOTES

TAG	MATERIAL	DESCRIPTION
G-1	GUTTER SYSTEM	METAL GUTTER SYSTEM AND DOWNSPOUT
M-1	MASONRY STONE VENEER	ARRISCRAFT
R-1	ASPHALT ROOF	CERTAINTEED, LANDMARK PRO COLONIAL, SLATE
TR-1	EXTERIOR TRIM	AZEK, 3/4" WHITE
W-2	CLAPBOARD SIDING	JAMES HARDIE, HARDIE PLANK, PRE-FINISHED, WHITE

NO.	DATE	DESCRIPTION	BY
5	03/06/2025	ADDENDUM NO.5	HMG
1	02/13/2025	ADDENDUM NO.1	HMG

REVISIONS

TYLER G. BARTER
No. 2952
1-29-25

DRAWN BY: MJD
CHECK BY: CET
NO.
DATE 01/29/2025

DEPARTMENT OF INLAND
FISHERIES & WILDLIFE

TITLE STORAGE BARN
LOCATION AUGUSTA, ME
TITLE THIS DWG.
BUILDING ELEVATIONS

OAK POINT
ASSOCIATES
ARCHITECTURE ▪ ENGINEERING ▪ PLANNING
231 Main Street, Biddeford, Maine 04005 207.283.0193

DRAWING NO.
AE202
SHEET NO.
21 OF 48

3/7/2025 12:57:23 PM
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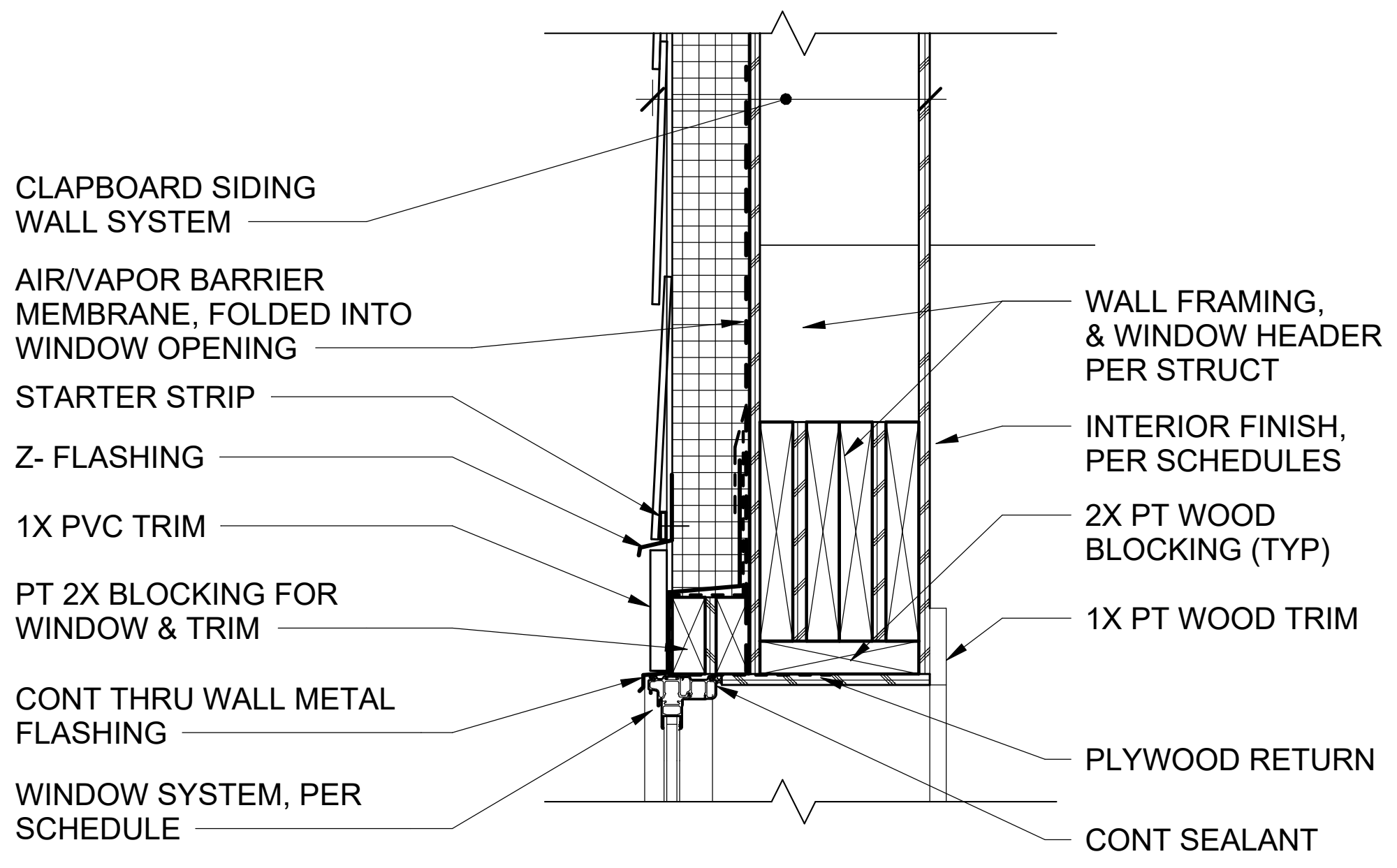
WINDOW SCHEDULE

MATERIAL					DETAILS			NOTES
TYPE	WIDTH	HEIGHT	MAT	FINISH	HEAD	JAMB	SILL	
A	4'-10"	4'-0"	ALUM	HPC	1/AE620	2/AE620	3/AE620	FACTORY DOUBLE MULL: BASIS OF DESIGN, MARVIN, ULTIMATE
B	6'-6"	5'-2"	ALUM	HPC	1/AE620	2/AE620	3/AE620	FACTORY DOUBLE MULL: BASIS OF DESIGN, MARVIN, ULTIMATE
C	10'-0"	5'-2"	ALUM	HPC	1/AE620	2/AE620	3/AE620	FACTORY TRIPLE MULL: BASIS OF DESIGN, MARVIN, ULTIMATE

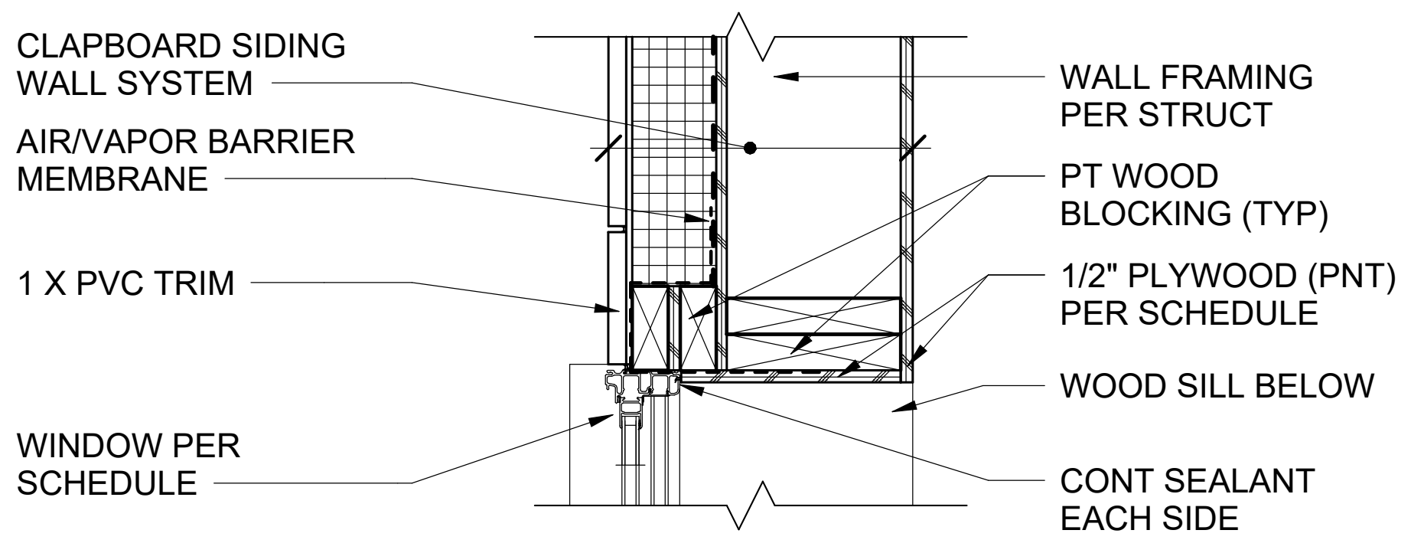
5


CLAPBOARD SIDING WALL SYSTEM
AIR/VAPOR BARRIER MEMBRANE, FOLDED INTO WINDOW OPENING
STARTER STRIP
Z- FLASHING
1X PVC TRIM
PT 2X BLOCKING FOR WINDOW & TRIM
CONT THRU WALL METAL FLASHING
WINDOW SYSTEM, PER SCHEDULE
WALL FRAMING, & WINDOW HEADER PER STRUCT
INTERIOR FINISH, PER SCHEDULES
2X PT WOOD BLOCKING (TYP)
1X PT WOOD TRIM
PLYWOOD RETURN
CONT SEALANT

1 AE620 DETAIL @ WINDOW HEAD

AE620

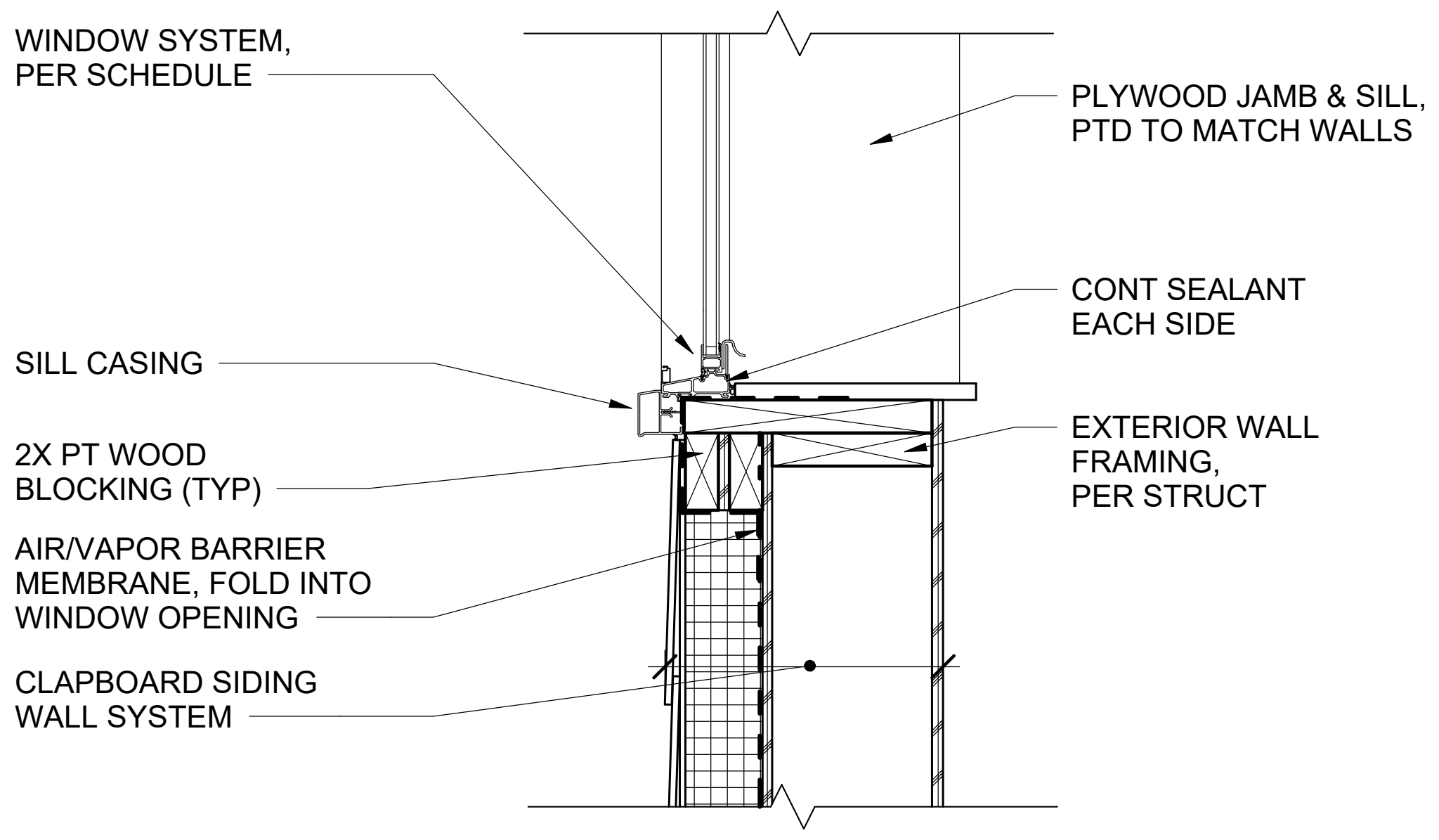
SCALE: 1 1/2" = 1'-0"



2 AE620 DETAIL@ WINDOW JAMB

AE620

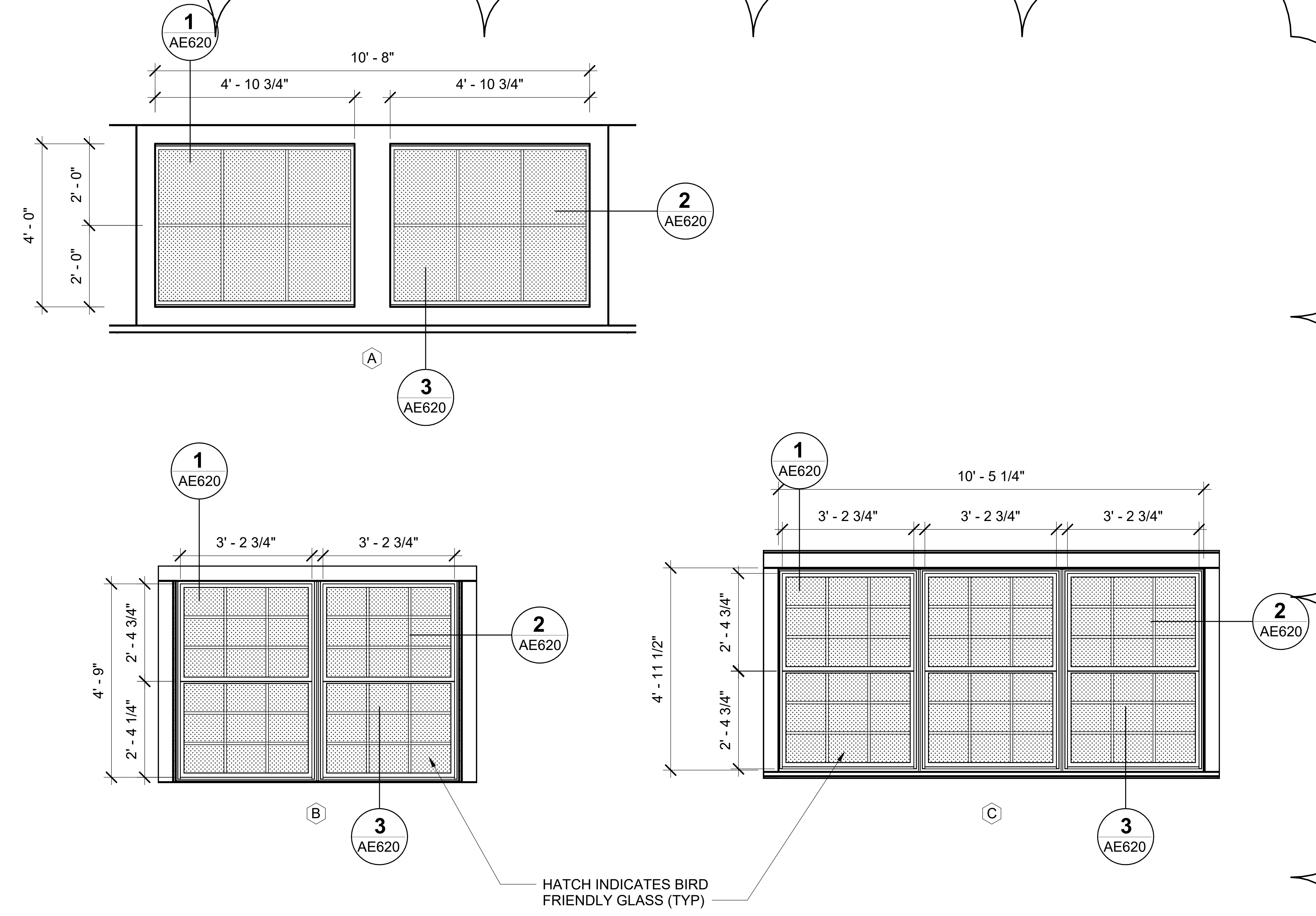
SCALE: 1 1/2" = 1'-0"


WINDOW SYSTEM, PER SCHEDULE
SILL CASING
2X PT WOOD BLOCKING (TYP)
AIR/VAPOR BARRIER MEMBRANE, FOLD INTO WINDOW OPENING
CLAPBOARD SIDING WALL SYSTEM
PLYWOOD JAMB & SILL, PTD TO MATCH WALLS
CONT SEALANT EACH SIDE
EXTERIOR WALL FRAMING, PER STRUCT

3 AE620 DETAIL @ WINDOW SILL

AE620

SCALE: 1 1/2" = 1'-0"

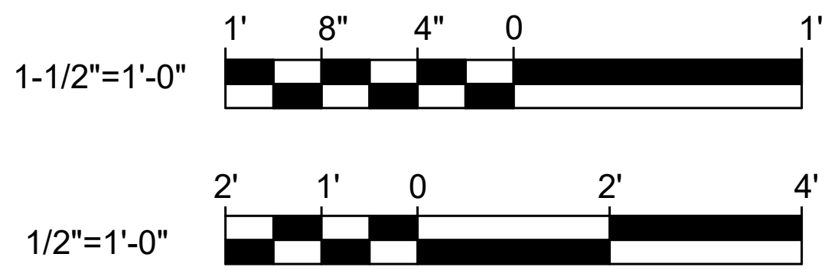


WINDOW TYPES

SCALE 1/2" =1'-0"

5

GRAPHIC SCALES



CHECK GRAPHIC SCALES BEFORE USING

NO.	DATE	DESCRIPTION	BY
5	03/06/2025	ADDENDUM NO.5	HMG

REVISIONS

LICENSED ARCHITECT
TYLER G. BARTER
No. 2952
1-29-25
STATE OF MAINE

DRAWN BY: MJD
CHECK BY: CET
NO.
DATE 01/29/2025

DEPARTMENT OF INLAND FISHERIES & WILDLIFE

TITLE STORAGE BARN
LOCATION AUGUSTA, ME
TITLE THIS DWG. WINDOWS SCHEDULE AND DETAILS

OAK POINT ASSOCIATES
ARCHITECTURE ▪ ENGINEERING ▪ PLANNING
231 Main Street, Biddeford, Maine 04005 207.283.0193

DRAWING NO. AE620
SHEET NO. 28 OF 48

AIR HANDLING UNIT SCHEDULE

UNIT NO	SERVES	LOCATION	SA FAN			RA FAN		ENERGY RECOVERY (HEATING)					CHILLED WATER COOLING COIL					HOT WATER COIL								ELECTRICAL								INSTALLED WEIGHT LBS	BASIS OF DESIGN	NOTES
								SUPPLY		EXHAUST																SUPPLY FAN		EXHAUST FAN								
			ESP IN H2O	MAX CFM	OA	ESP IN H2O	MAX CFM	EAT DB/WB °F	LAT DB/WB °F	EAT @ DB/WB °F	LAT °F	MINIMUM EFFICIENCY	GPM	ENTERING AIR DB/WB °F	LEAVING AIR DB/WB °F	MAX WPD FTWC	SC/TC MBH	CFM	EAT °F	LAT °F	GPM	MAX WPD FT	EWT °F	LWT °F	MBH	FAN HP	RPM	FAN HP	RPM	VOLTS / PHASE	FLA A	MCA A	MOP A			
AHU-1	1ST FLOOR CETA & BASEMENT	BASEMENT	2	4675	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	23	78 / 65	55 / 54	4	123/156	2000	65	95	13	10	120	110	65	5	3500	N/A	N/A	460 / 3	9.0	10.1	15	1350	TRANE CSA	1 THRU 7
AHU-2	2ND FLOOR CETA	ATTIC	2	3680	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	18	78 / 65	55 / 54	4	95/120	1500	65	95	10	10	120	110	50	10	3040	N/A	N/A	460 / 3	8.8	10.8	15	1670	TRANE CSA	1 THRU 7
AHU-3	3RD FLOOR CETA	ATTIC	2	3300	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	16	78 / 65	55 / 54	4	87/110	1500	65	95	10	10	120	110	50	10	2880	N/A	N/A	460 / 3	8.8	10.8	15	1670	TRANE CSA	1 THRU 7
AHU-4	SOUTH OFFICES	MEZZ M2	2	8200	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	40	78 / 65	55 / 54	9	216/278	3000	65	95	20	10	120	110	96	2@10	3250	N/A	N/A	460 / 3	17.0	19.0	25	2400	TRANE CSA	1 THRU 7
DOAS-1	1ST FLOOR CETA &BASEMENT	BASEMENT	1.0	3155	3155	1.0	2525	-7 / -8	44 / 36	70 / 53	23	74%	22	77 / 65	51 / 50.9	5	91/135	3155	-7	63	48	10	120	110	240	10	2820	10	2317	460 / 3	18.2	20.3	25	3000	TRANE CSA	1 THRU 9
DOAS-2	2ND & 3RD FLOOR CETA	ATTIC	1.0	3175	3175	1.0	2540	-7 / -8	44 / 36	70 / 53	23	74%	22	77 / 65	51 / 50.9	4	92/136	3175	-7	63	48	10	120	110	240	10	2830	10	2324	460 / 3	18.2	20.3	25	3000	TRANE CSA	1 THRU 9
DOAS-3	CONFERENCE ROOMS	MEZZ M1	1.0	1975	1975	1.0	1580	-7 / -8	44 / 36	70 / 53	23	82%	14	78 / 66	51 / 50.9	4	63/95	1975	-7	63	30	10	120	110	150	10	2850	10	1880	460 / 3	18.2	20.3	25	2600	TRANE CSA	1 THRU 9
DOAS-4	SOUTH OFFICES	MEZZ M2	1.0	2595	2595	1.0	2075	-7 / -8	44 / 36	70 / 53	23	81%	19	78 / 66	51 / 50.9	4	84/127	2595	-7	63	39	10	120	110	195	10	2620	10	2085	460 / 3	18.2	20.3	25	2880	TRANE CSA	1 THRU 9
DOAS-5	NORTH WING	ROOF	2	1995	1995	N/A	N/A	-7 / -8	44 / 36	70 / 53	23	75%	23	78 / 66	51 / 50.9	5	61/92	1995	-7	83	39	10	120	110	195	10	3100	5	3160	460 / 3	10.2	11.3	15	4145	TRANE CSA	1 THRU 10

NOTES:
1. PROVIDE SINGLE POINT OF POWER CONNECTION.
2. CHILLED WATER: ENTERING TEMPERATURE = 42°F. LEAVING TEMPERATURE = 57°F.
3. PROVIDE UNIT WITH A MINIMUM SHORT CIRCUIT CURRENT RATING OF 65K.
4. PROVIDE INTEGRAL 8" HIGH BASE FRAME.
5. PROVIDE INTEGRAL OUTSIDE AIRFLOW MEASURING STATION.
6. PROVIDE ECM FANS WITH INTEGRAL CONTROL PANEL.
7. PROVIDE 2" MERV 8 PRE-FILTERS AND 4" MERV 13 FINAL FILTERS WITH MAGNETIC GAUGES.
8. PROVIDE EXHAUST AIRFLOW MEASURING STATION.
9. PROVIDE OUTSIDE AND EXHAUST AIR BYPASS DAMPERS AT THE ERV WHEEL.
10. PROVIDE UNIT SUITABLE FOR OUTSIDE ROOF TOP INSTALLATION.

GENERAL NOTES

1. NOTE ON BASIS OF DESIGN:
PRODUCTS OF OTHER MANUFACTURERS ARE ACCEPTABLE IF THEY MEET THE OPERATIONAL REQUIREMENTS INDICATED. ANY ADJUSTMENTS TO DUCTING, PIPING, WIRING OR CONFIGURATION DUE TO THE SELECTION OF A MANUFACTURER OTHER THAN THAT LISTED AS THE BASIS OF DESIGN WILL BE ACCOMPLISHED BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE OWNER.

GEOTHERMAL HEAT PUMP SCHEDULE

UNIT NO	TYPE	LOCATION	HEATING						COOLING						WPD IN FT		ELECTRICAL			BASIS OF DESIGN	NOTES
			SOURCE 10° DROP		LOAD 20° RISE		HEATING CAPACITY MBTUH	HEATING COP	SOURCE 10° RISE		10° DROP LOAD		COOLING CAPACITY MBTUH	EER	SOURCE	LOAD	VOLTS / PHASE	MCA	MAX FUSE AMP		
			GPM	EWT	GPM	EWT			GPM	EWT	GPM	EWT									
HP-1	WATER-TO-WATER	BASEMENT	220	45	150	110	1450	3.2	395	60	210	57	1565	19.96	20	5	460 / 3	221	250	TRANE MWS	1, 2, 3, 4, 5, 6

NOTES:
1. PROVIDE MODULAR HEAT PUMP CAPABLE OF SIMULATANEOUS HEATING AND COOLING.
2. PROVIDE A MINIMUM OF 4 MODULES.
3. PROVIDE SINGLE POINT OF POWER CONNECTION.
4. PROVIDE BACNET INTERFACE.
5. PROVIDE UNIT WITH MINIMUM SHORT CIRCUIT CURRENT RATING OF 65K.
6. PROVIDE 20% PROPYLENE GLYCOL IN THE CEOTHERMAL LOOP.

FAN SCHEDULE

UNIT NO	SERVES	CFM	ESP IN WC	DRIVE TYPE	FAN TYPE	FAN RPM	SONES	HP	VOLTS/ PHASE	BASIS OF DESIGN	ACCESSORIES	NOTES
TF-1	ELEC 132	125	0.25	DIRECT	IN-LINE	-	-	1/10	115/1	GREENHECK SQ-95-VG	A,B,C,D	-
TF-2	ELEC 238	125	0.25	DIRECT	IN-LINE	-	-	1/10	115/1	GREENHECK SQ-95-VG	A,B,C,D	-
TF-3	ELEC 303	125	0.25	DIRECT	IN-LINE	-	-	1/10	115/1	GREENHECK SQ-95-VG	A,B,C,D	-

NOTES: 1. VFD CONTROLLED.

ACCESSORIES:
- A. 12" INSULATED ROOF CURB.
- B. GRAVITY BACKDRAFT DAMPER.
- C. MOTORIZED DAMPER.
- D. GALVANIZED BIRD SCREEN.
- E. MFR FAN MOUNTED DISCONNECT SWITCH.
- F. VENTED CURB EXTENSION, HINGED CURB CAP, AND GREASE TRAP WITH DRAIN CONNECTION.
- G. BRICK VENT WITH BACKDRAFT DAMPER.
- H. WALL COLLAR, WIRE MESH MOTOR GUARD AND SHUTTER DAMPER.
- I. SPECIALTY COATING.
- J. FAN SPEED CONTROLLER.
- K. SOUND ATTENUATING ENCLOSURE.
- L. SPRING VIBRATION ISOLATORS.
- M. NEOPRENE VIBRATION ISOLATORS.
- N. TIME DELAY SWITCH.

PUMP SCHEDULE

UNIT NO	SERVES	TYPE	GPM	TOTAL HEAD (FT)	PUMP EFF (%)	MOTOR DATA			SUCTION / DISCHARGE (IN)	BASIS OF DESIGN	NOTES
						HP	RPM	VOLTS / PHASE			
P-1	HEATING WATER	BASE-MOUNTED	300	75	70	7.5	1080	460/3	3 / 3	B&G e-1532 3GB	-
P-2	HEATING WATER	BASE-MOUNTED	300	75	70	7.5	1080	460/3	3 / 3	B&G e-1532 3GB	-
P-3	RADIANT SLAB	BASE-MOUNTED	120	45	70	3	1127	460/3	2 / 2	B&G e-1532 2EB	-
P-4	RADIANT SLAB	BASE-MOUNTED	120	45	70	3	1127	460/3	2 / 2	B&G e-1532 2EB	
P-5	CHILLED WATER	BASE-MOUNTED	197	60	74	5	1750	460/3	2 / 2	B&G e-1532 2BD	-
P-6	CHILLED WATER	BASE-MOUNTED	197	60	74	5	1750	460/3	2 / 2	B&G e-1532 2BD	-
P-7	GEOTHERMAL WELLS	BASE-MOUNTED	395	105	78	20	3252	460/3	4 / 3	B&G e-1532 3AD	1
P-8	GEOTHERMAL WELLS	BASE-MOUNTED	395	105	78	20	3252	460/3	4 / 3	B&G e-1532 3AD	1

NOTES: 1. 20% GLYCOL SOLUTION.

BUFFER TANK SCHEDULE

UNIT NO	LOCATION	SERVES	ACCEPTANCE VOLUME	DIMENSIONS			BASIS OF DESIGN	NOTES
				DIAMETER	HEIGHT	CONNECTION SIZE		
BT-1	BASEMENT	HEATING WATER	300 GAL	36"	80"	4"	AMTROL CWBT300-4	1, 2
BT-2	BASEMENT	CHILLED WATER	300 GAL	36"	80"	4"	AMTROL CWBT300-4	1, 2

NOTES: 1. PROVIDE BUFFER TANK WITH INTERNAL BUFFER. 2. PROVIDE FLANGED CONNECTIONS

AUTOMATIC GLYCOL FEEDER SCHEDULE

UNIT NO	LOCATION	SERVES	TANK VOLUME	MAKE-UP CAPACITY	PRESSURE RANGE	VOLTS / PHASE	HP	BASIS OF DESIGN	NOTES
GF-1	BASEMENT	GEOTHERMAL	50 GAL	1.5 GPM	10-60 PSI	115/1	1/3	NEPTUNE G-50-1	-

NOTES: 1.

AIR CONDITIONING UNIT SCHEDULE

UNIT NO	INDOOR UNIT LOCATION	OUTDOOR UNIT LOCATION	CFM	MBH MAX / MIN	MINIMUM EFFICIENCY	ELECTRICAL DATA				BASIS OF DESIGN	NOTES
						VOLTS/ PHASE	INDOOR MCA	OUTDOOR MCA	OUTDOOR MOCP		
AC-1 / CU-1	158	ROOF	320-425	18 / 8	18 SEER	208/1	1	11	25	TRANE/MITSUBISHI PKA-18H47/PUY-A18NKA7	1 THRU 7
AC-2 / CU-2	270	ROOF	320-425	18 / 8	18 SEER	208/1	1	11	25	TRANE/MITSUBISHI PKA-18H47/PUY-A18NKA7	1 THRU 7
AC-3 / CU-3	330	ROOF	320-425	18 / 8	18 SEER	208/1	1	11	25	TRANE/MITSUBISHI PKA-18H47/PUY-A18NKA7	1 THRU 7
AC-4 / CU-4	130	GROUND	320-425	18 / 8	18 SEER	208/1	1	11	25	TRANE/MITSUBISHI PKA-18H47/PUY-A18NKA7	1 THRU 7
AC-5 / CU-5	214	GROUND	320-425	18 / 8	18 SEER	208/1	1	11	25	TRANE/MITSUBISHI PKA-18H47/PUY-A18NKA7	1 THRU 7

NOTES:
1. R485B REFRIGERANT.
2. COOLING ONLY.
3. PROVIDE ADVANCED WIND BAFFLE FOR LOW AMBIENT COOLING.
4. PROVIDE 24" STAND.
5. PROVIDE SIMPLE MA WIRED THERMOSTAT.
6. PROVIDE CONDENSATE PUMP.
7. PROVIDE DEVICES AND WIRING FOR BACNET INTERFACE TO DDC SYSTEM.

FINTUBE RADIATION SCHEDULE

UNIT NO	ELEMENT		ENCLOSURE		CAPACITY BTUH/LF	AVERAGE WATER TEMP (°F)	BASIS OF DESIGN	NOTES
	TUBE SIZE	ROWS	MOUNTING HEIGHT (IN)	ENCLOSURE HEIGHT (IN)				
FR-1	1/2	3	NOTE 1	9	300	120	RUNTAL RF-3	1

NOTES: 1. BOTTOM OF ENCLOSURE SHALL BE MOUNTED 4-INCHES AFF

EXPANSION TANK SCHEDULE

UNIT NO	LOCATION	SERVES	ACCEPTANCE VOLUME	DIMENSIONS	BASIS OF DESIGN	NOTES
EXT-1	BASEMENT MECH	HW SYSTEM	34 GAL	24" x 47"	EXTROL AX-120V	-
EXT-2	BASEMENT MECH	CHW SYSTEM	34 GAL	24" x 47"	EXTROL-AX-120V	-
EXT-3	BASEMENT MECH	GEO LOOP	34 GAL	24" x 47"	EXTROL-AX-120V	-

NOTES:

UNIT HEATER AND CABINET UNIT HEATER SCHEDULE

UNIT NO	LOCATION	CFM	HEATING	WATER TEMP °F		GPM	MAX PRESSURE DROP IN WC	ELECTRICAL DATA			BASIS OF DESIGN	NOTES
				ENTERING	LEAVING			HP	RPM	VOLTS / PHASE		
UH-1 THRU UH-6	MECH SPACES	750	16 MBH	130	110	3.6	3.0	1/20	900	277/1	TRANE S-A36	
UH-7 THRU UH-19	MECH SPACES	750	16 MBH	130	110	3.6	3.0	1/20	900	115/1	TRANE S-A36	
CUH-1	STAIR S1	685	10 MBH	130	110	3.0	3.0	1/20	900	115/1	STERLING FS-08	
CUH-2	STAIR S2	685	18 MBH	130	110	3.0	3.0	1/20	900	115/1	STERLING FS-08	
CUH-3	STAIR S3	685	23 MBH	130	110	3.0	3.0	1/20	900	115/1	STERLING FS-08	
EUH-1	ELEC 132	-	3.3 KW	N/A	N/A	N/A	N/A	1/25	1550	277/1	TRANE UHEC-031	1
EUH-2	ELEC 238	-	3.3 KW	N/A	N/A	N/A	N/A	1/25	1550	277/1	TRANE UHEC-031	1
EUH-3	ELEC 303	-	3.3 KW	N/A	N/A	N/A	N/A	1/25	1550	277/1	TRANE UHEC-031	1

NOTES: 1. PROVIDE MOUNTING BRACKET

AIR SEPARATOR SCHEDULE

UNIT NO	LOCATION	SERVES	TYPE	CAPACITY (GPM)	PRESSURE DROP (FT)	BASIS OF DESIGN	NOTES
EXT-1	BASEMENT MECH	HW SYSTEM	TANGENTAIL	300	3	AMTROL 4-AS	-
EXT-2	BASEMENT MECH	CHW SYSTEM	TANGENTAIL	265	3	AMTROL 4-AS	-
EXT-3	BASEMENT MECH	GEO LOOP	TANGENTAIL	395	3	AMTROL 5-AS	-

NOTES:

NO.	DATE	DESCRIPTION	BY
1	3/6/25	ADDENDUM NO. 4	MSA

REVISIONS

MATTHEW S. ALBERT
No. 9235
1/28/25

DRAWN BY:
CHECK BY: MSA
NO.
DATE 01/29/2025

DEPARTMENT OF INLAND FISHERIES & WILDLIFE
TITLE NEW OFFICE HEADQUARTERS
LOCATION AUGUSTA, ME
TITLE THIS DWG. MECHANICAL SCHEDULES 1

OAK POINT ASSOCIATES
ARCHITECTURE ▫ ENGINEERING ▫ PLANNING
231 Main Street, Biddeford, Maine 04005 207.283.0193

DRAWING NO. M-601
SHEET NO. 205 OF 239

3/5/2025 11:29:23 AM
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VAV TERMINAL UNIT SCHEDULE

UNIT NO	SERVES	PRIMARY CFM		NOTES
		MAX	MIN	
VAV 1-1	133, 135	935	280	
VAV 1-2	139, 141, 143	405	120	
VAV 1-3	145, 147, 149	405	120	
VAV 1-4	151, 153	270	100	
VAV 1-5	155, 157	310	100	
VAV 1-6	134, 136, 137	870	240	
VAV 1-7	138, 140, 142, 144	480	110	
VAV 1-8	146, 148, 150	360	140	
VAV 1-9	152	400	120	
VAV 1-10	154, 156	240	100	
VAV 2-1	239, 241, 243	505	150	
VAV 2-2	245, 249, 251, 253	345	100	
VAV 2-3	255, 257, 259, 261	345	100	
VAV 2-4	263, 265	230	75	
VAV 2-5	267, 269	255	75	
VAV 2-6	240, 242, 244, 246	400	100	
VAV 2-7	248, 250, 252, 254	400	115	
VAV 2-8	256, 258, 260, 262	400	115	
VAV 2-9	264, 266, 268	300	100	
VAV 2-10	245, 247, 261	600	200	
VAV 3-1	305, 307, 309	585	170	
VAV 3-2	300, 304, 311	500	190	
VAV 3-3	313, 315, 317, 319	460	130	
VAV 3-4	321, 323	240	75	
VAV 3-5	325, 327	295	75	
VAV 3-6	306, 308	325	100	
VAV 3-7	310, 312, 314	560	110	
VAV 3-8	316, 318, 320, 322	460	115	
VAV 3-9	324, 326, 328	345	100	
VAV 4-1	109, 110, 112	1125	340	
VAV 4-2	111, 111A, 113	375	110	
VAV 4-3	114, 115	200	75	
VAV 4-4	116, 117	300	100	
VAV 4-5	118, 119	730	250	
VAV 4-6	123, 127W	750	250	
VAV 4-7	124, 125	360	110	
VAV 4-8	126	245	75	
VAV 4-9	127E	320	100	
VAV 4-10	216, 217, 219	410	125	
VAV 4-11	208	285	85	
VAV 4-12	209, 210	230	70	
VAV 4-13	215, 218, 220, 221, 222	370	110	
VAV 4-14	223, 224	465	140	
VAV 4-15	225, 226	360	110	
VAV 4-16	235	270	85	
VAV 4-17	233, 234	355	110	
VAV 4-18	232	260	75	
VAV 4-19	228, 230	350	105	
VAV 4-20	227, 231, 236	600	180	

NOTES: 1.

RADIANT FLOOR HEATING SCHEDULE

MANIFOLD ASSEMBLY	SERVES	TOTAL RADIANT LOAD MBH	# OF CIRCUITS	TOTAL MANIFOLD FLOW GPM	MANIFOLD GROSS AREA SQ FT	TUBE SPACING IN	NOTES
M-1	OFFICE 109/110/112	24.3	4	4.9	1534	12	-
M-2	OFFICE 111/111A/113	10.5	3	2.1	610	12	-
M-3	OFFICE 114/115	4.7	2	1.0	160	12	-
M-4	OFFICE 116/117	7.2	2	1.5	180	12	-
M-5	OPEN SEATING 118/119	12.1	3	2.5	410	12	-
M-6	OFFICE 123/127W	13.5	2	2.7	600	12	-
M-7	OFFICE 124/125	5.8	1	1.2	160	12	-
M-8	OFFICE 126	5.1	1	1.1	96	12	-
M-9	OPEN OFFICE 127E	6.7	2	1.4	500	12	-
M-10	CONFERENCE 216/217/219	9.0	3	1.8	367	12	-
M-11	CONFERENCE 208	3.2	1	0.7	274	12	-
M-12	OFFICE 209/210	4.7	2	1.0	220	12	-
M-13A	OPEN OFFICE 215/218/221	8.0	2	1.6	710	12	-
M-13B	OFFICE 220/222	2.0	2	0.5	160	12	-
M-14	OFFICE 223/224	1.0	1	0.5	80	12	-
M-15	OFFICE 225/226	6.2	2	1.3	214	12	-
M-16	OFFICE 235	5.3	1	1.1	98	12	-
M-17	OFFICE 233/234	5.7	2	1.2	160	12	-
M-18	OFFICE 232	5.4	1	1.1	141	12	-
M-19	OFFICE 228/230	6.1	2	1.3	205	12	-
M-20	OPEN OFFICE 231/236/227	10.8	2	2.2	709	12	-
M-21	LOBBY 100	55.9	4	11.2	1095	12	-
M-22	VESTIBULE 100A	5.7	1	1.2	120	6	-
M-23	VESTIBULE 100B	2.4	1	0.5	70	6	-
M-24	CONFERENCE 102A	14.2	2	2.9	545	12	-
M-25	CONFERENCE 102B	14.2	2	2.9	545	12	-
M-26	CONFERENCE 102C	21.0	2	4.2	545	12	-
M-27	104/105/106/107/108	7.5	2	1.5	590	12	-
M-28	OFFICE 159/160	10.0	2	2.0	490	12	-
M-29	NECROPSY 161	4.9	1	1.0	220	12	-
M-30	167/168/169	9.7	3	1.9	650	12	-
M-31	165/166	6.5	1	1.3	330	12	-
M-32	STOREHOUSE/UNIFORMS 273	6.0	3	1.2	940	12	-
M-33	271/272/276/278/280	8.1	2	1.6	485	12	-
M-34	I&E/LICENSING 277	2.3	2	0.5	515	12	-
M-35	279/281	12.6	4	2.5	755	12	-
M-36	103/131	4.5	2	0.9	145	12	-
M-37	200/237	6.0	2	1.2	300	12	-
~~M-38~~	~~200/201/201A/202/203/204/205~~	~~9.0~~	~~4~~	~~1.8~~	~~670~~	~~12~~	~~-~~
M-39	302/303	5.0	1	1.1	100	12	-

NOTES: 1.

DIFFUSER / REGISTER SCHEDULE

UNIT NO	FACE SIZE IN	NECK SIZE IN	MAX PRESSURE DROP IN WC	MAX NOISE CRITERIA	CFM RANGE	TYPE	BASIS OF DESIGN	NOTES
S-1	24x2	6Ø	0.1	25	0-90	LINEAR SLOT DIFFUSER	PRICE TBD 3100	1,2,4,5
S-2	48x2	8Ø	0.1	25	91-180	LINEAR SLOT DIFFUSER	PRICE TBD 3100	1,2,4,5
S-3	24x4	6Ø	0.1	25	0-140	LINEAR SLOT DIFFUSER	PRICE TBD 3100	1,3,4,5
S-4	48x4	8Ø	0.1	25	141-275	LINEAR SLOT DIFFUSER	PRICE TBD 3100	1,3,4,5
S-5	-	-	0.1	25	-	-	PRICE TBD1000	-
S-6	-	-	0.1	25	-	-	PRICE TBD1000	-
S-7	-	-	0.1	25	-	-	PRICE TBD1000	-
S-8	-	-	0.1	25	-	-	PRICE TBD1000	-
R-1	24x24	6Ø	0.1	25	-	-	PRICE PDDR/PDDRE	-
R-2	24x24	8Ø	0.1	25	-	-	PRICE PDDR/PDDRE	-
R-3	24x24	10Ø	0.1	25	-	-	PRICE PDDR/PDDRE	-
R-4	24x24	12Ø	0.1	25	-	-	PRICE PDDR/PDDRE	-
R-5	24x24	12X12	0.1	25	-	-	PRICE PDDR/PDDRE	-
R-6	24x24	14Ø	0.1	25	-	-	PRICE PDDR/PDDRE	-
R-7	-	-	0.1	25	-	-	-	-
E-1								
T-1								

NOTES:
1. PROVIDE FACTORY INSULATED PLENUM BOX.
2. PROVIDE 1-SLOT LINEAR DIFFUSER.
3. PROVIDE 2-SLOT LINEAR DIFFUSER.
4. PROVIDE 1-INCH SLOT WIDTH.
5. PROVIDE CUSTOM FACTORY FINISH AND COLOR.

LOUVER SCHEDULE

UNIT NO	SERVES	TYPE	CFM	DIMENSIONS			MIN FREE AREA SQUARE FT	BASIS OF DESIGN	NOTES
				LENGTH	HEIGHT	DEPTH			
L-1	OA - AHU-4/DOAS-4	FIXED	4000	36"	66"	6"	9.45	RUSKIN ELF6375DXH	-
L-2	OA - AHU-4/DOAS-4	FIXED	4000	36"	66"	6"	9.45	RUSKIN ELF6375DXH	-
L-3	EA - AHU-4/DOAS-4	FIXED	4000	36"	66"	6"	9.45	RUSKIN ELF6375DXH	-
L-4	EA - AHU-4/DOAS-4	FIXED	4000	36"	66"	6"	9.45	RUSKIN ELF6375DXH	-
L-5	OA - DOAS-3	FIXED	2000	36"	36"	6"	4.85	RUSKIN ELF6375DXH	-
L-6	EA - DOAS-3	FIXED	2000	36"	36"	6"	4.85	RUSKIN ELF6375DXH	-
L-7	OA - AHU-1/DOAS-1	FIXED	4675	42"	72"	6"	12.21	RUSKIN ELF6375DXH	-

NOTES: 1.

GENERAL NOTES

1. NOTE ON BASIS OF DESIGN:
PRODUCTS OF OTHER MANUFACTURERS ARE ACCEPTABLE IF THEY MEET THE OPERATIONAL REQUIREMENTS INDICATED. ANY ADJUSTMENTS TO DUCTING, PIPING, WIRING OR CONFIGURATION DUE TO THE SELECTION OF A MANUFACTURER OTHER THAN THAT LISTED AS THE BASIS OF DESIGN WILL BE ACCOMPLISHED BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE OWNER.

WATER-COOLED REFRIGERANT CONDENSING UNIT SCHEDULE

UNIT NO	SERVES	NOMINAL COOLING TONS	NOMINAL HEATING MBH	HEATING GEOS TEMP (°F)	COOLING GEOS TEMP (°F)	GEOS FLOW (GPM)	DESIGN HEATING OUTDOOR DB	REFRIG TYPE	ELECTRICAL			BASIS OF DESIGN	NOTES
									VOLTS/ PHASE	MCA	MOCP		
HPCU-1	CONF RMS & SOUTH CORE	12	160	45	60	32	50	-	460/3	19	30	TRANE MITSUBISHI TQRYP	1,2,3,4,5
HPCU-2	NORTH LABS & STORAGE	8	108	45	60	26	50	-	460/3	11	15	TRANE MITSUBISHI TQRYP	1,2,3,4,5
-													

NOTES:
1. PROVIDE PRE-MANUFACTURED, GALVANIZED STEEL, MODULAR EQUIPMENT SUPPORT FRAME WITH EQUIPMENT CLAMPS FOR INSTALLATION ON ROOF AT ELEVATION REQUIRED BY VRF SYSTEM MANUFACTURER. PROVIDE SUPPORT MANUFACTURER'S RUBBER PAD FOR INSTALLATION BELOW SUPPORT FOOT FOR VIBRATION REDUCTION. EQUIPMENT SUPPORT FRAME SHALL BE SIMILAR TO BIGFOOT CO. SUPPORTS.
2. PROVIDE WITH LOW AMBIENT CONTROL.
3. PROVIDE DRAIN PAN HEATER.
4. PROVIDE SNOW/HAIL KIT.
5. PROVIDE BMS INTEGRATION.

SPLIT SYSTEM HEAT PUMP FANCOIL SCHEDULE (HP UNITS)

UNIT NO	SERVES	CABINET TYPE	NOMINAL CFM	ESP IN WC	COOLING LOAD TC/SC MBH	HEATING LOAD MBH	ELECTRIC COIL KW	ELECTRICAL			BASIS OF DESIGN	NOTES
								VOLTS/PH	MCA	MOCP		
HP 1-1	102 A	WALL-MOUNTED CASSETTE	900	N/A	20.8 / 4.0	10.0	N/A	208/1	0.63	15	TRANE MITSUBISHI	1, 2, 3, 4
HP 1-2	102 B	WALL-MOUNTED CASSETTE	900	N/A	20.8 / 4.0	10.0	N/A	208/1	0.63	15	TRANE MITSUBISHI	1, 2, 3, 4
HP 1-3	102 C	WALL-MOUNTED CASSETTE	900	N/A	25.1 / 8.5	15.3	N/A	208/1	0.63	15	TRANE MITSUBISHI	1, 2, 3, 4
HP 1-4	100	MULTI-POSITION AIR HANDLER	250	0.3	42.1 / 36.0	46.0	N/A	208/1	3.00	15	TRANE MITSUBISHI	1, 2, 3, 4
HP 1-5	103/104/105	MULTI-POSITION AIR HANDLER	1950	0.3	7.5 / 5.5	15.0	3.0	208/1	3.00	15	TRANE MITSUBISHI	1, 2, 3, 4, 6
HP 2-1	161	WALL-MOUNTED CASSETTE	200	N/A	4.0 / 3.4	4.9	N/A	208/1	0.24	15	TRANE MITSUBISHI	1, 2, 3, 4
HP 2-2	167/168/169/171	WALL-MOUNTED CASSETTE	300	N/A	9.7 / 8.4	5.8	N/A	208/1	0.24	15	TRANE MITSUBISHI	1, 2, 3, 4
HP 2-3	170	WALL-MOUNTED CASSETTE	200	N/A	3.0 / 1.7	2.8	N/A	208/1	0.24	15	TRANE MITSUBISHI	1, 2, 3, 4
HP 2-4	164/165	WALL-MOUNTED CASSETTE	200	N/A	5.2 / 4.7	2.3	N/A	208/1	0.24	15	TRANE MITSUBISHI	1, 2, 3, 4
HP 2-5	159/162	MULTI-POSITION AIR HANDLER	400	0.3	7.0 / 6.9	7.2	3.0	208/1	3.0	15	TRANE MITSUBISHI	1, 2, 3, 4, 6
HP 2-6	271/272/276/278/279/280	MULTI-POSITION AIR HANDLER	735	0.3	19.5 / 19.0	21.0	N/A	208/1	3.0	15	TRANE MITSUBISHI	1, 2, 3, 4
HP 2-7	273/274	WALL-MOUNTED CASSETTE	300	N/A	8.3 / 7.7	6.0	N/A	208/1	0.24	15	TRANE MITSUBISHI	1, 2, 3, 4
HP 2-8	277	WALL-MOUNTED CASSETTE	200	N/A	3.3 / 2.7	2.3	N/A	208/1	0.24	15	TRANE MITSUBISHI	1, 2, 3, 4
HP 2-9	281	WALL-MOUNTED CASSETTE	200	N/A	2.0 / 1.7	3.2	N/A	208/1	0.24	15	TRANE MITSUBISHI	1, 2, 3, 4
BCC-1	HP 1-1 TO HP 1-5	SUSPENDED 8-PORT BOX	N/A	N/A	144 (NOMINAL)	160 (NOMINAL)	N/A	208/1	0.83	N/A	TRANE MITSUBISHI TCMBM	1 THRU 5
BCC-2	HP 2-1 TO HP-2-9	SUSPENDED 12-PORT BOX	N/A	N/A	96 (NOMINAL)	108 (NOMINAL)	N/A	208/1	0.83	N/A	TRANE MITSUBISHI TCMBM	1 THRU 5

NOTES:
1. PROVIDE WITH CONDENSATE PUMP.
2. PROVIDE WITH MANUFACTURER'S WIRED, WALL MOUNTED CONTROLLER.
3. HEATING OR COOLING UNIT.
4. INCLUDE FULL PORT BALL VALVES, 700 PSIG, 410A RATED.
5. POWERED BY CONDENSING UNIT.
6. PROVIDE ELECTRIC AUXILIARY COIL, PROVIDE SINGLE POINT POWER CONNECTION FOR UNIT AND ELECTRIC HEAT ACCESSORY. PROVIDE WITH ELECTRIC HEAT LOCKOUT CONTROLLER.

NO.	DATE	DESCRIPTION	BY
2	3/6/25	ADDENDUM NO. 4	MSA
1	2/14/25	ADDENDUM NO. 1	MSA

REVISIONS

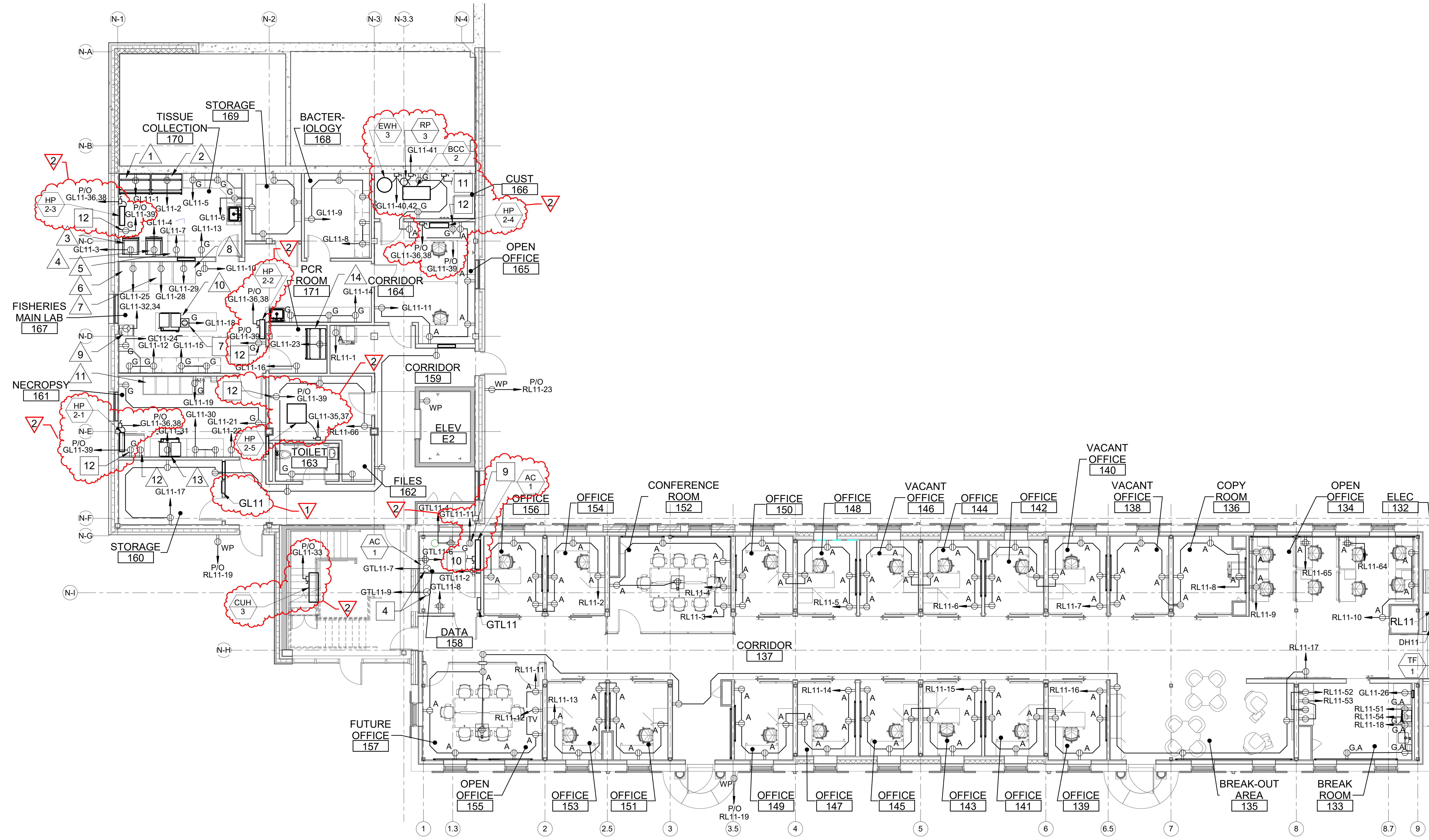
MATTHEW S. ALBERT
No. 9235
1/28/25

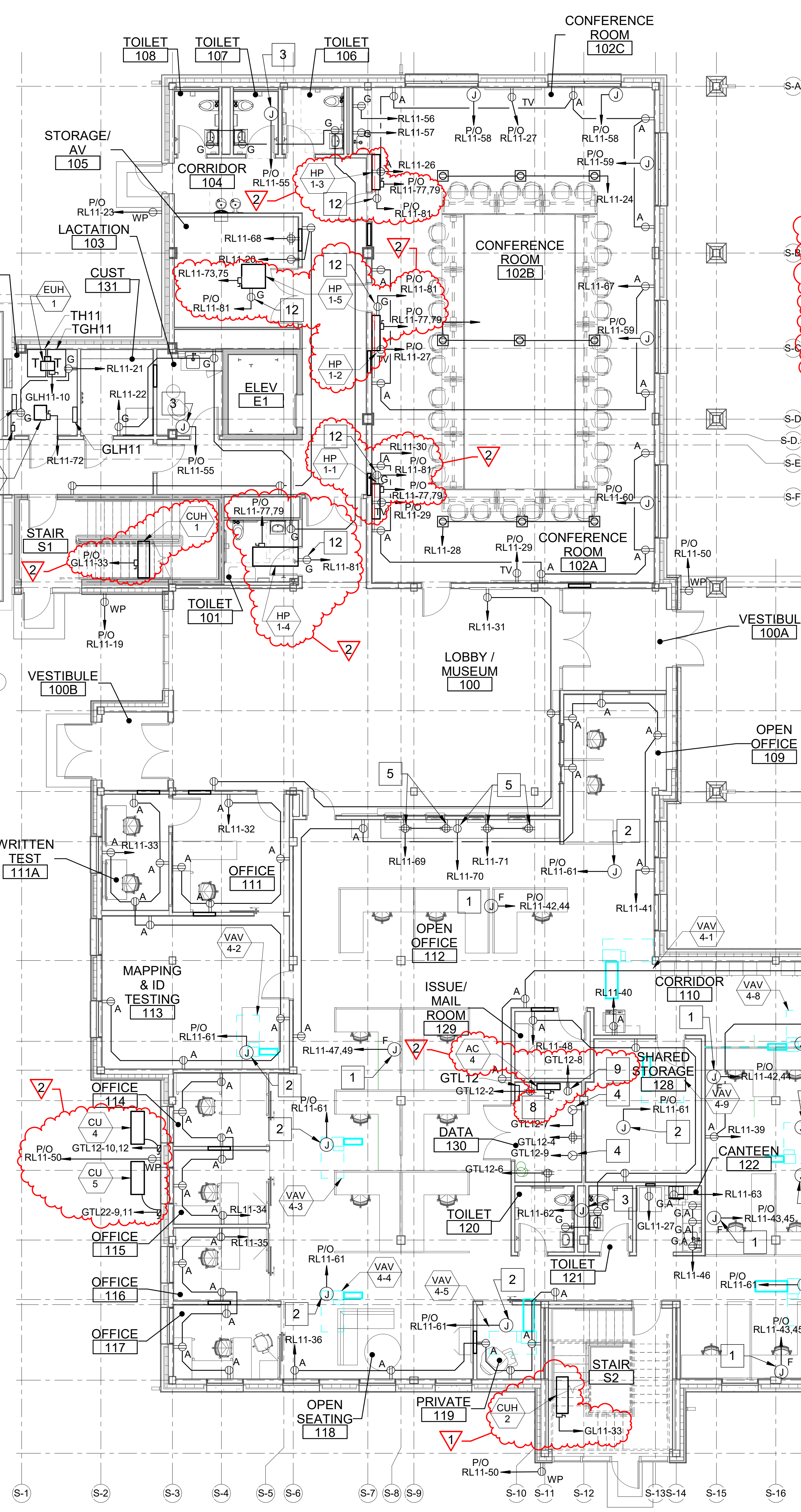
DRAWN BY:
CHECK BY: MSA
NO.
DATE 01/29/2025

DEPARTMENT OF INLAND FISHERIES & WILDLIFE
TITLE NEW OFFICE HEADQUARTERS
LOCATION AUGUSTA, ME
TITLE THIS DWG. MECHANICAL SCHEDULES 2

OAK POINT ASSOCIATES
ARCHITECTURE ■ ENGINEERING ■ PLANNING
231 Main Street, Biddeford, Maine 04005 207.283.0193

DRAWING NO. M-602
SHEET NO. 206 OF 239





1 FIRST FLOOR POWER PLAN
EP101 SCALE: 1/8" = 1'-0"

DRAWING NOTES

1. PROVIDE CONNECTION FROM OUTDOOR CU UNIT TO INDOOR AC UNIT.
2. RECEPTACLES LOCATED IN IT ROOMS MUST BE MOUNTED TO THE RACKS WHICH ARE PROVIDED BY OTHERS. COORDINATE WITH STATE OF MAINE IT.

DRAWING KEYNOTES

1 PROVIDE JUNCTION BOX FOR WHIP TO POWER CUBICLE FURNITURE.

2 120 VOLT POWER FOR VAV BOXES. FIELD COORDINATE FINAL LOCATIONS AND CONNECTIONS. PROVIDE ONE FOOT SERVICE LOOP IN BOX FOR CONNECTION TO TRANSFORMER/24V POWER SUPPLY.

3 120V POWER FOR AUTOMATIC VALVES AND AUTOMATIC POWER DISPENSERS. FIELD COORDINATE FINAL LOCATION.

4 PROVIDE L5-30 TWIST LOCK RECEPTACLE. COORDINATE LOCATION WITH BGS IT.

5 PROVIDE POWER TO RECEPTACLES THAT ARE BUILT IN THE MILLWORK.

6 RECEPTACLES IN THE MILLWORK. FIELD COORDINATE FINAL LOCATIONS.

7 PROVIDE RAISED FLOOR RECEPTACLE WITH WASH DOWN PROOF COVER.

8 AC UNIT FED FROM CU UNIT.

9 FOR AC UNIT'S CONDENSATE PUMP. COORDINATE LOCATION IN THE FIELD.

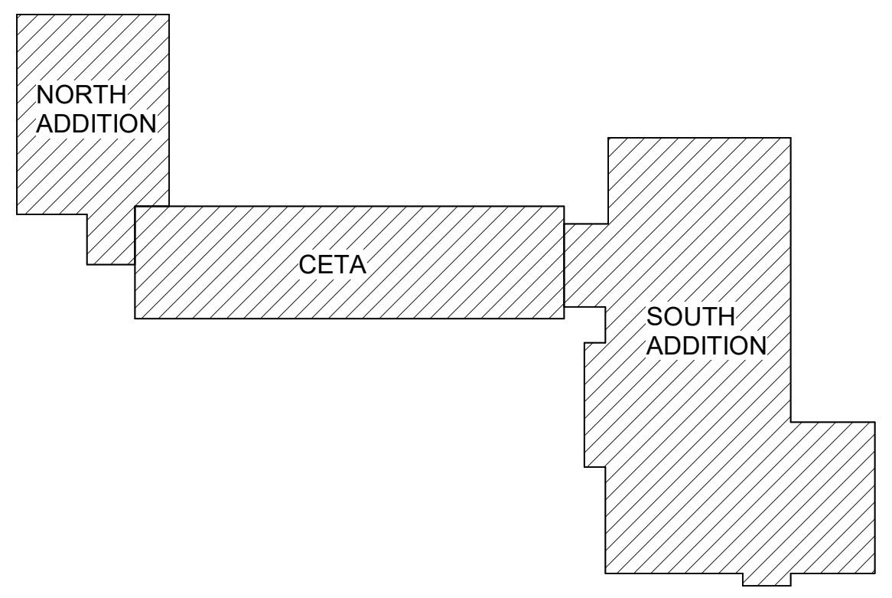
10 AC UNIT FED FROM CU UNIT ON ROOF. REFER TO DRAWING EP103 FOR LOCATION OF CU-1.

11 BCC-2 POWERED FROM HPCU-2 LOCATED IN BASEMENT. REFER TO 1/EP104 FOR LOCATION OF HPCU-2.

12 FOR HP UNIT'S CONDENSATE PUMP. COORDINATE LOCATION IN THE FIELD.

Electrical Rough-In Schedule

Item #	Description	Volts	Phase	HP	Watts	FL Amps	Connection Type	Plug Type	Rough-In Height	Remarks
1	TISSUE COLLECTION HOOD	120	1	-	-	12	RECEPTACLE	5-20	-	
2	TISSUE COLLECTION HOOD	120	1	-	-	12	RECEPTACLE	5-20	-	
3	LOW TEMPERATURE INCUBATOR	120	1	-	-	2.5	RECEPTACLE	5-20	-	
4	LOW TEMPERATURE INCUBATOR	120	1	-	-	2.5	RECEPTACLE	5-20	-	
5	REFRIGERATOR	120	1	-	-	12	RECEPTACLE	5-20	-	
6	CHEMICAL EXHAUST HOOD	120	1	-	-	12	RECEPTACLE	5-20	-	
7	ULTRA LOW FREEZER	120	1	-	-	12	RECEPTACLE	5-20	-	
8	FRIDGE/FREEZER	120	1	-	-	12	RECEPTACLE	5-20	-	
9	AUTOCLAVE	120	1	-	9.3KW	40	RECEPTACLE	6-50	-	3#8, #10G, 3/4"C
10	TABLE TOP HOOD	120	1	-	-	6	RECEPTACLE	5-20	-	
11	NECROPSY TABLE	120	1	-	-	6	RECEPTACLE	5-20	-	
12	FISH FREEZER	120	1	-	-	12	RECEPTACLE	5-20	-	
13	TABLE TOP HOOD	120	1	-	-	6	RECEPTACLE	5-20	-	
14	EXHAUST HOOD	120	1	-	-	12	RECEPTACLE	5-20	-	



KEYPLAN
NOT TO SCALE

PLAN NORTH

GRAPHIC SCALE
8' 4' 0 8' 16'
1/8"=1'-0"
CHECK GRAPHIC SCALE BEFORE USING

NO.	DATE	DESCRIPTION	BY
2	03/06/25	ADDENDUM NO.5	DCL
1	02/28/25	ADDENDUM NO.3	MHL

REVISIONS

STATE OF MAINE
DALE C. LINCOLN, II
No. 10443
1/28/25
LICENSED PROFESSIONAL ENGINEER

DRAWN BY: RSW
CHECK BY: DCL
NO.
DATE 01/29/2025

DEPARTMENT OF INLAND FISHERIES & WILDLIFE
TITLE NEW OFFICE HEADQUARTERS
LOCATION AUGUSTA, ME
TITLE THIS DWG. FIRST FLOOR POWER PLAN

OAK POINT ASSOCIATES
ARCHITECTURE ■ ENGINEERING ■ PLANNING
231 Main Street, Biddeford, Maine 04005 207.283.0193

DRAWING NO. EP101
SHEET NO. 213 OF 239

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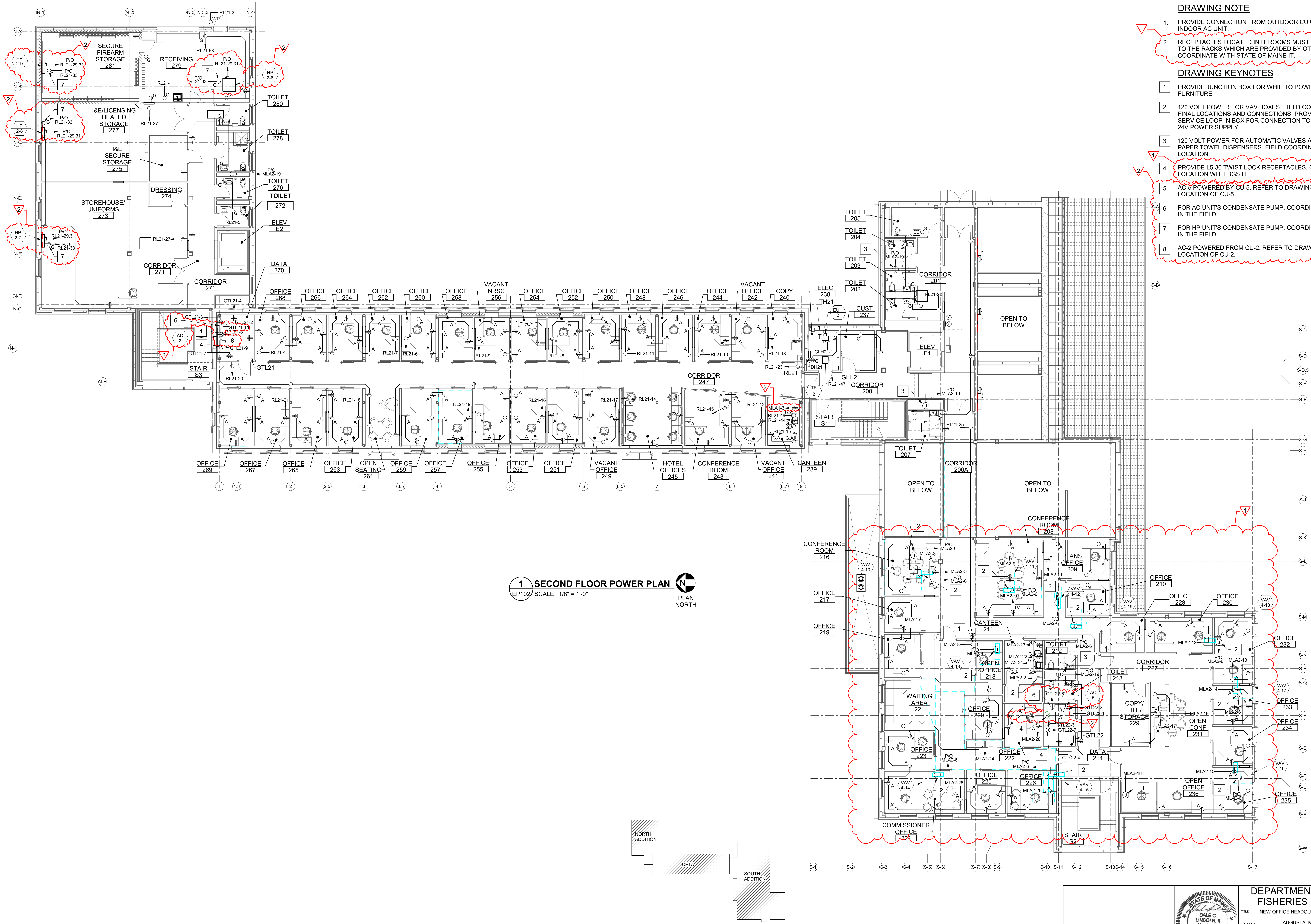

1 SECOND FLOOR POWER PLAN
EP102 SCALE: 1/8" = 1'-0"

DRAWING NOTE

1. PROVIDE CONNECTION FROM OUTDOOR CU UNIT TO INDOOR AC UNIT.
2. RECEPTACLES LOCATED IN IT ROOMS MUST BE MOUNTED TO THE RACKS WHICH ARE PROVIDED BY OTHERS. COORDINATE WITH STATE OF MAINE IT.

DRAWING KEYNOTES

1 PROVIDE JUNCTION BOX FOR WHIP TO POWER CUBICLE FURNITURE.

2 120 VOLT POWER FOR VAV BOXES. FIELD COORDINATE FINAL LOCATIONS AND CONNECTIONS. PROVIDE ONE FOOT SERVICE LOOP IN BOX FOR CONNECTION TO TRANSFORMER 24V POWER SUPPLY.

3 120 VOLT POWER FOR AUTOMATIC VALVES AND AUTOMATIC PAPER TOWEL DISPENSERS. FIELD COORDINATE FINAL LOCATION.

4 PROVIDE L5-30 TWIST LOCK RECEPTACLES. COORDINATE LOCATION WITH BGS IT.

5 AC-5 POWERED BY CU-5. REFER TO DRAWING EP101 FOR LOCATION OF CU-5.

6 FOR AC UNIT'S CONDENSATE PUMP. COORDINATE LOCATION IN THE FIELD.

7 FOR HP UNIT'S CONDENSATE PUMP. COORDINATE LOCATION IN THE FIELD.

8 AC-2 POWERED FROM CU-2. REFER TO DRAWING EP103 FOR LOCATION OF CU-2.

KEYPLAN
NOT TO SCALE

PLAN NORTH

GRAPHIC SCALE
1/8"=1'-0"
8' 4' 0 8' 16'
CHECK SCALE BEFORE USING

NO.	DATE	DESCRIPTION	BY
2	03/06/25	ADDENDUM NO.5	DCL
1	02/28/25	ADDENDUM NO.3	MHL

REVISIONS

DALE C. LINCOLN, II
No. 10443
1/28/25

DRAWN BY: RSW
CHECK BY: DCL
NO.
DATE 01/29/2025

DEPARTMENT OF INLAND FISHERIES & WILDLIFE
TITLE NEW OFFICE HEADQUARTERS
LOCATION AUGUSTA, ME
TITLE THIS DWG. SECOND FLOOR POWER PLAN

OAK POINT ASSOCIATES
ARCHITECTURE ■ ENGINEERING ■ PLANNING
231 Main Street, Biddeford, Maine 04005 207.283.0193

DRAWING NO. EP102
SHEET NO. 214 OF 239

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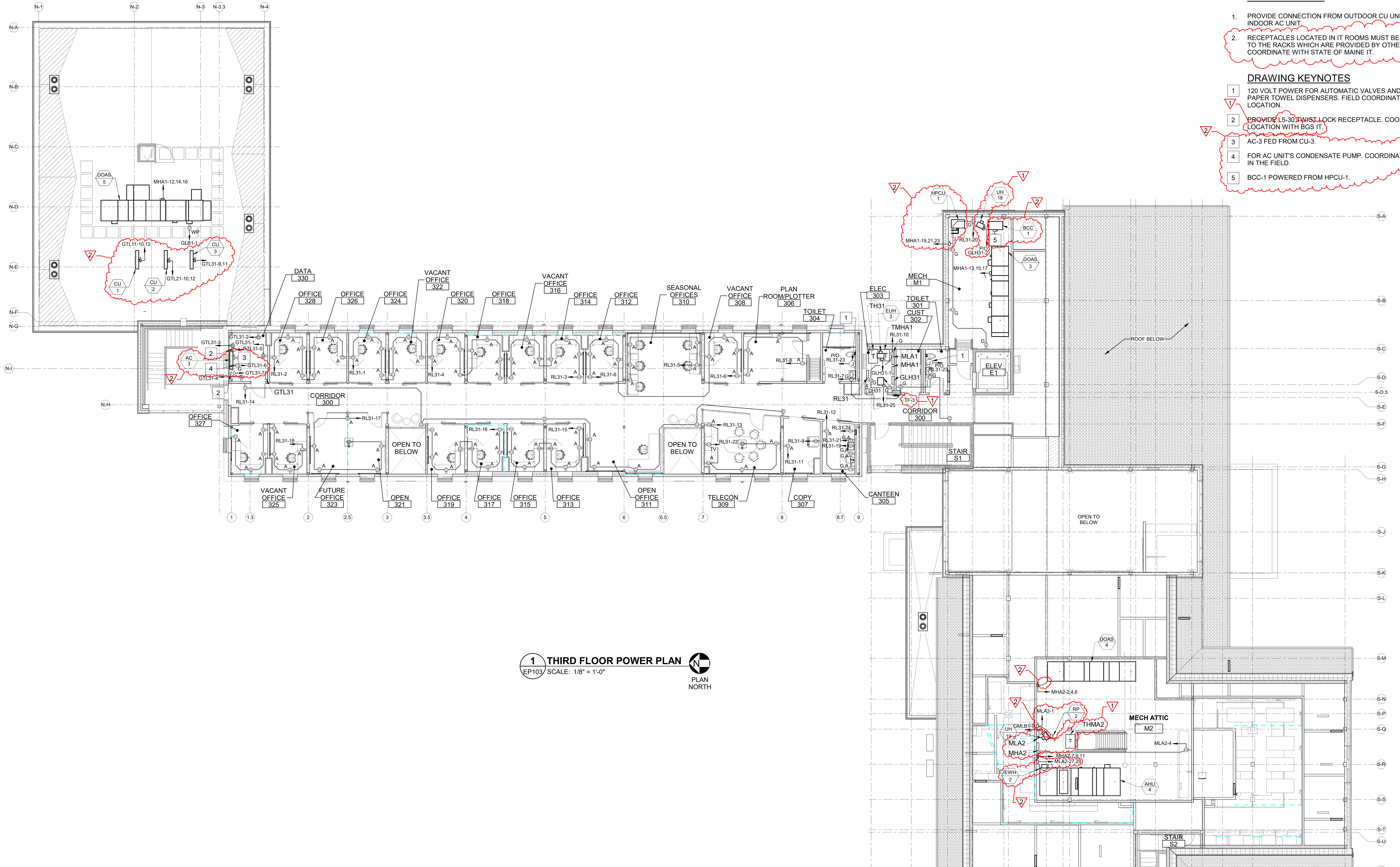
DRAWING NOTE

1. PROVIDE CONNECTION FROM OUTDOOR CU UNIT TO INDOOR AC UNIT.
2. RECEPTACLES LOCATED IN IT ROOMS MUST BE MOUNTED TO THE RACKS WHICH ARE PROVIDED BY OTHERS. COORDINATE WITH STATE OF MAINE IT.

1

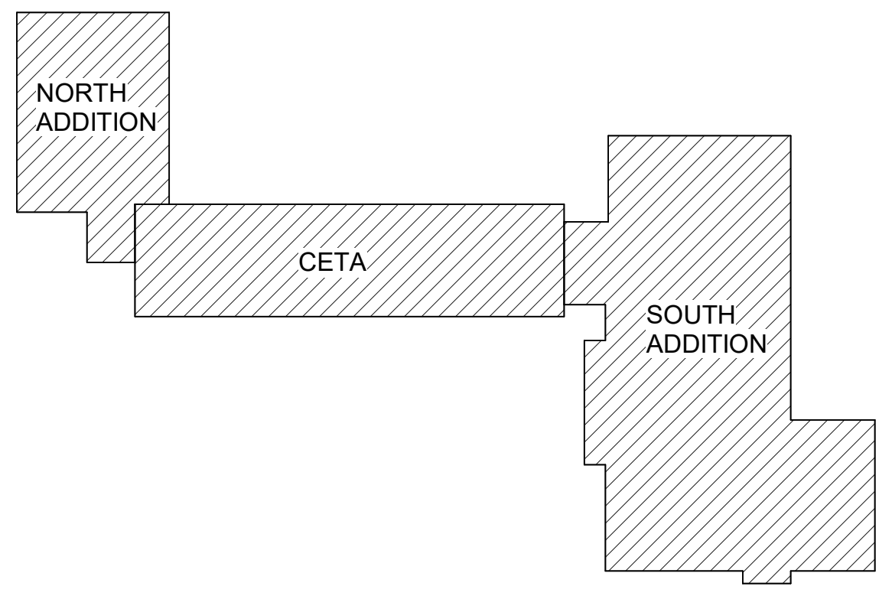
DRAWING KEYNOTES

1	120 VOLT POWER FOR AUTOMATIC VALVES AND AUTOMATIC PAPER TOWEL DISPENSERS. FIELD COORDINATE FINAL LOCATION.
2	PROVIDE L5-30 TWIST LOCK RECEPTACLE. COORDINATE LOCATION WITH BGS IT.
3	AC-3 FED FROM CU-3.
4	FOR AC UNIT'S CONDENSATE PUMP. COORDINATE LOCATION IN THE FIELD.
5	BCC-1 POWERED FROM HPCU-1.



1 EP103 **THIRD FLOOR POWER PLAN**
SCALE: 1/8" = 1'-0"

PLAN NORTH



KEYPLAN
NOT TO SCALE

PLAN NORTH

GRAPHIC SCALE

1/8"=1'-0"
8' 4' 0 8' 16'

CHECK GRAPHIC SCALE BEFORE USING

NO.	DATE	DESCRIPTION	BY
2	03/06/25	ADDENDUM NO.5	DCL
1	02/28/25	ADDENDUM NO.3	MHL

REVISIONS

STATE OF MAINE
DALE C. LINCOLN, II
No. 10443
1/28/25
LICENSED PROFESSIONAL ENGINEER

DRAWN BY: RSW
CHECK BY: DCL
NO.
DATE 01/29/2025

DEPARTMENT OF INLAND FISHERIES & WILDLIFE

TITLE NEW OFFICE HEADQUARTERS
LOCATION AUGUSTA, ME
TITLE THIS DWG. THIRD FLOOR POWER PLAN

OAK POINT ASSOCIATES
ARCHITECTURE ■ ENGINEERING ■ PLANNING
231 Main Street, Biddeford, Maine 04005 207.283.0193

DRAWING NO. EP103
SHEET NO. 215 OF 239

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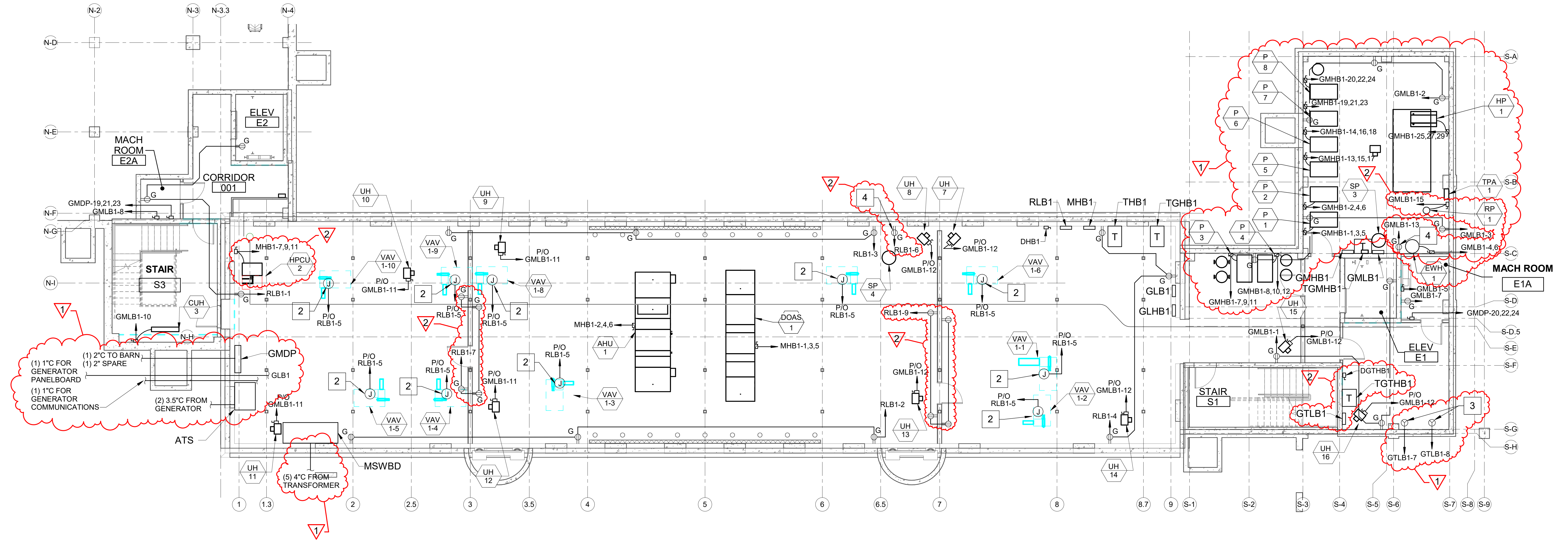
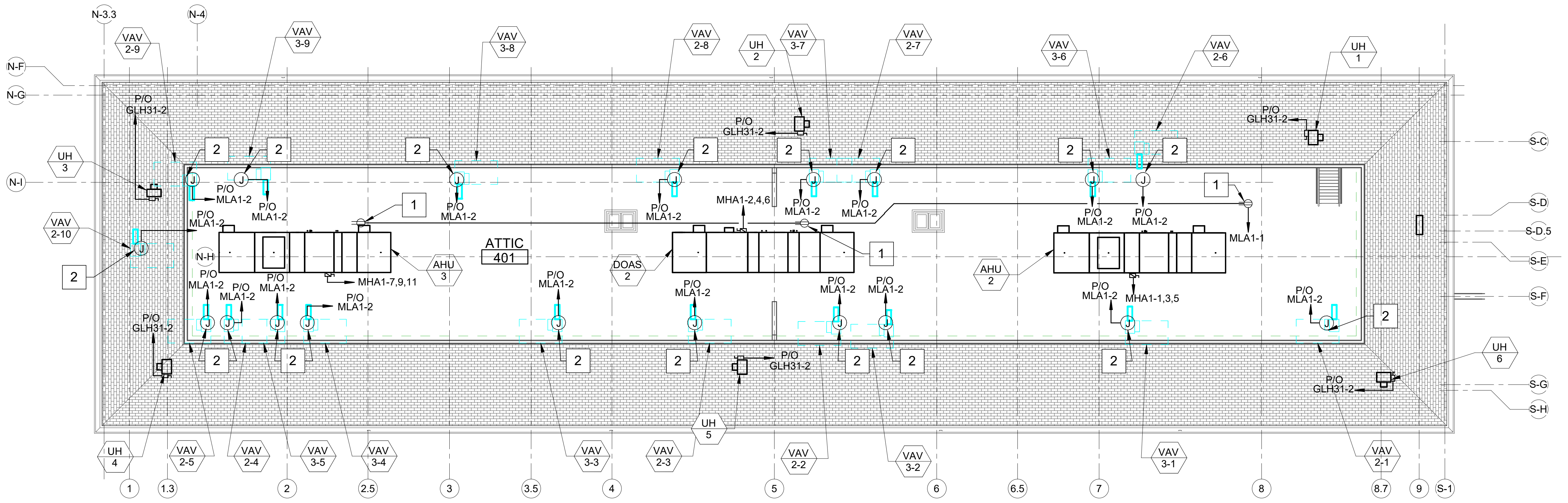


1 BASEMENT POWER PLAN

EP104 SCALE: 1/8" = 1'-0"

PLAN NORTH



2 ATTIC POWER PLAN

EP104 SCALE: 1/8" = 1'-0"

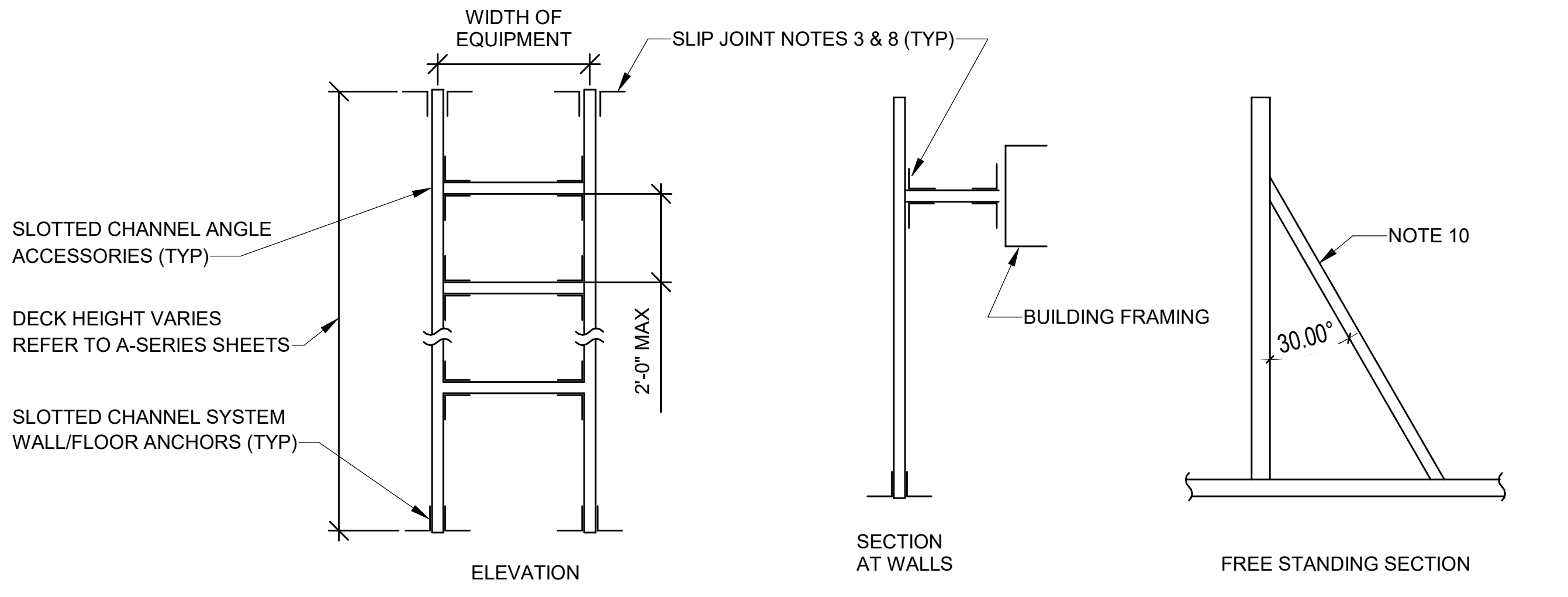
PLAN NORTH

DRAWING NOTE

1. CETA BUILDING BASEMENT IS 7'-1" FROM THE SLAB TO THE BOTTOM OF STRUCTURE. SWITCHBOARD, PANELBOARD, AND ATS MUST BE MANUFACTURED TO FIT THIS SPACE.

DRAWING KEYNOTES

1	MOUNT SERVICE RECEPTACLES ON CEILING COLLAR TIES.
2	120 VOLT POWER FOR VAV BOXES. FIELD COORDINATE FINAL LOCATIONS AND CONNECTIONS. PROVIDE ONE FOOT SERVICE LOOP IN BOX FOR CONNECTION TO TRANSFORMER 24V POWER SUPPLY.
3	PROVIDE NEMA 5-30R RECEPTACLE. COORDINATE LOCATION WITH BGS IT.
4	FOR SP. COORDINATE LOCATION IN THE FIELD.

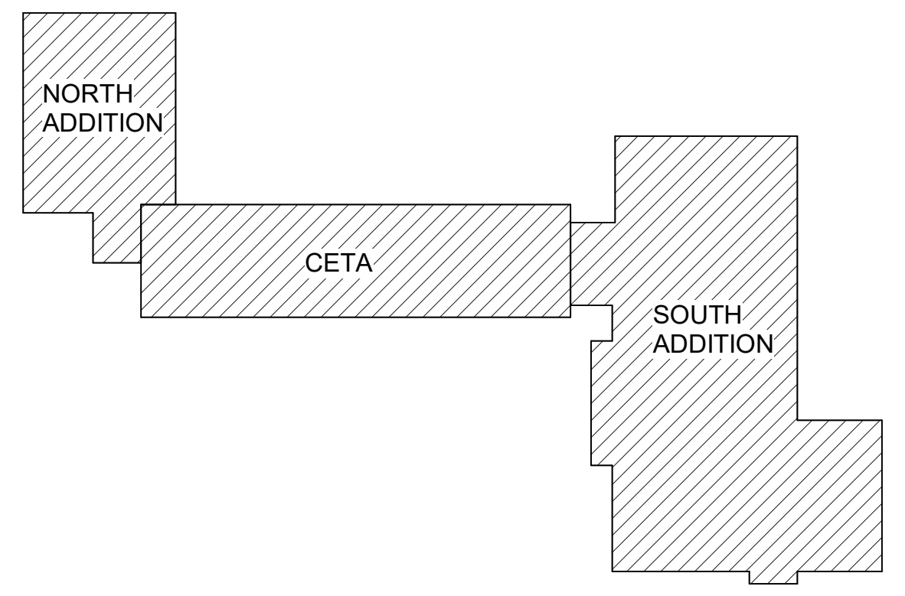

WIDTH OF EQUIPMENT
SLIP JOINT NOTES 3 & 8 (TYP)
SLOTTED CHANNEL ANGLE ACCESSORIES (TYP)
DECK HEIGHT VARIES REFER TO A-SERIES SHEETS
SLOTTED CHANNEL SYSTEM WALL/FLOOR ANCHORS (TYP)
2'-0" MAX
BUILDING FRAMING
NOTE 10
30.00°
ELEVATION
SECTION AT WALLS
FREE STANDING SECTION

SLOTTED CHANNEL RACK DETAIL NOTES:

1. ANCHOR TO DECK ABOVE USING SLIP JOINTS WHERE NOT ADJACENT TO A WALL.
2. PROVIDE BOLTED CONNECTIONS.
3. PROVIDE 1/2" CLEAR SLIP JOINT AT VERTICAL SLOTTED CHANNEL TO ALLOW FOR STRUCTURAL DEFLECTION. SECURELY ANCHOR SLIP JOINT TO STRUCTURE.
4. PROVIDE AT PANELBOARDS AND EQUIPMENT WHERE EQUIPMENT CAN NOT BE WALL MOUNTED. PROVIDE SIMILAR AT CONDUIT DROP TO MECHANICAL PUMPS AND EQUIPMENT.
5. DO NOT SECURE TOP OF VERTICAL SLOTTED CHANNEL TO CEILING OR WALL.
6. PROVIDE ADDITIONAL VERTICAL SLOTTED CHANNEL EVERY 20 INCHES FOR WIDER PANELBOARDS OR CONTROL PANELS OR GROUPS OF PANELBOARDS OR CONTROL PANELS. PROVIDE ADDITIONAL HORIZONTAL SLOTTED CHANNEL PER DETAIL.
7. PROVIDE STEEL SLOTTED CHANNEL SUPPORT FOR MOUNTING PANELBOARDS, CONTROL PANELS, ASD'S, STARTERS AND DISCONNECT SWITCHES.
8. PROVIDE SLIP JOINT BOD: POWER STRUT PS764. PROVIDE SLOT VERTICAL. TIGHTEN BOLT THROUGH SLOTTED CHANNEL HAND TIGHT. PROVIDE LOCKNUT AND DOUBLE NUT. TIGHTEN NUTS AGAINST EACH OTHER.
9. PROVIDE GALVANIZED STEEL SLOTTED CHANNEL RACKS AT EXTERIOR LOCATIONS
10. PROVIDE SUPPORT CHANNEL AS ANGLED SECTION AT FREESTANDING AND EXTERIOR SLAB ON GRADE APPLICATIONS.
11. PROVIDE CHANNEL MANUFACTURERS NON-METALLIC END CAPS AT CHANNEL ENDS WHERE EXPOSED.

3 SLOTTED CHANNEL RACK DETAIL

EP104 SCALE: NOT TO SCALE



KEYPLAN
NOT TO SCALE

PLAN NORTH

GRAPHIC SCALE

1/8"=1'-0"

8' 4' 0 8' 16'

CHECK GRAPHIC SCALE BEFORE USING

NO.	DATE	DESCRIPTION	BY
2	03/06/25	ADDENDUM NO.5	DCL
1	02/14/25	ADDENDUM NO.1	MHL

REVISIONS

DALE C. LINCOLN, II
No. 10443
1/28/25

DEPARTMENT OF INLAND FISHERIES & WILDLIFE

TITLE NEW OFFICE HEADQUARTERS
LOCATION AUGUSTA, ME

TITLE THIS DWG.
BASEMENT AND ATTIC POWER PLANS

DRAWN BY: RSW
CHECK BY: DCL
NO.
DATE 01/29/2025

OAK POINT ASSOCIATES
ARCHITECTURE ■ ENGINEERING ■ PLANNING
231 Main Street, Biddeford, Maine 04005 207.283.0193

DRAWING NO. EP104
SHEET NO. 216 OF 239

3/7/2025 3:55:01 PM
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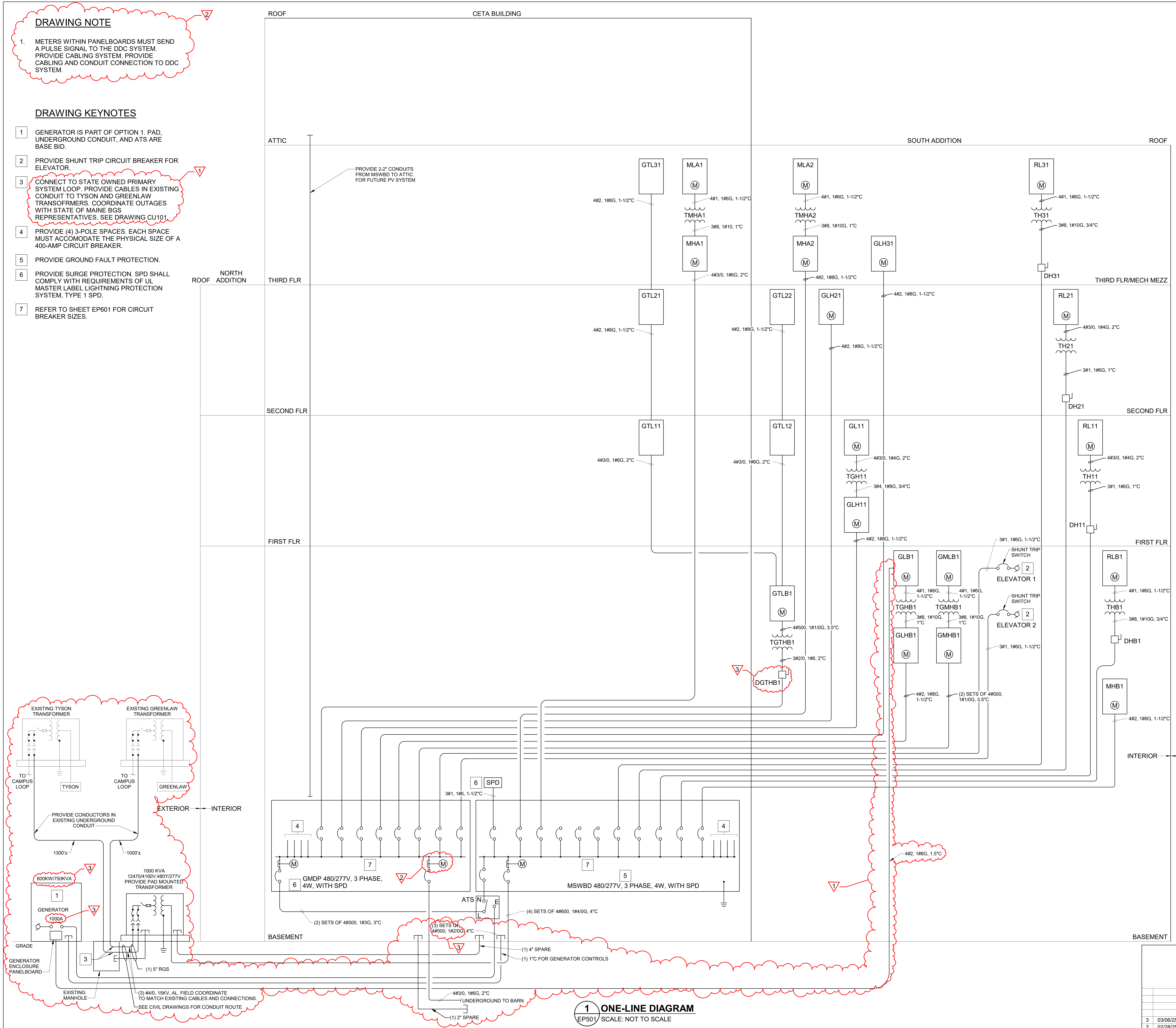
DRAWING NOTE

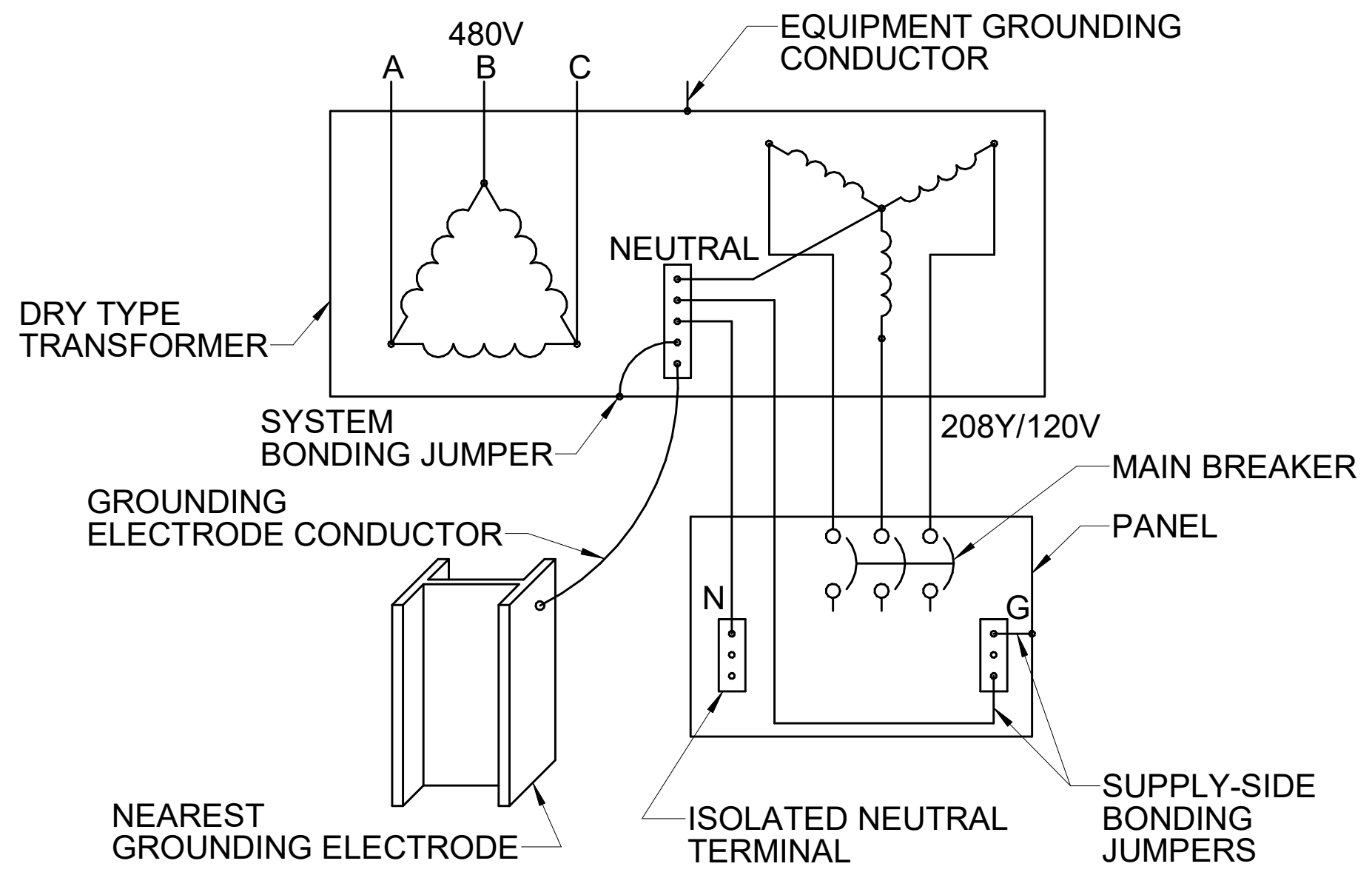
1. METERS WITHIN PANELBOARDS MUST SEND A PULSE SIGNAL TO THE DDC SYSTEM. PROVIDE CABLING SYSTEM. PROVIDE CABLING AND CONDUIT CONNECTION TO DDC SYSTEM.

DRAWING KEYNOTES

1. GENERATOR IS PART OF OPTION 1. PAD, UNDERGROUND CONDUIT, AND ATS ARE BASE BID.
2. PROVIDE SHUNT TRIP CIRCUIT BREAKER FOR ELEVATOR.
3. CONNECT TO STATE OWNED PRIMARY SYSTEM LOOP. PROVIDE CABLES IN EXISTING CONDUIT TO TYSON AND GREENLAW TRANSOFRMERS. COORDINATE OUTAGES WITH STATE OF MAINE BGS REPRESENTATIVES. SEE DRAWING CU101.
4. PROVIDE (4) 3-POLE SPACES. EACH SPACE MUST ACCOMODATE THE PHYSICAL SIZE OF A 400-AMP CIRCUIT BREAKER.
5. PROVIDE GROUND FAULT PROTECTION.
6. PROVIDE SURGE PROTECTION. SPD SHALL COMPLY WITH REQUIREMENTS OF UL MASTER LABEL LIGHTNING PROTECTION SYSTEM, TYPE 1 SPD.
7. REFER TO SHEET EP601 FOR CIRCUIT BREAKER SIZES.

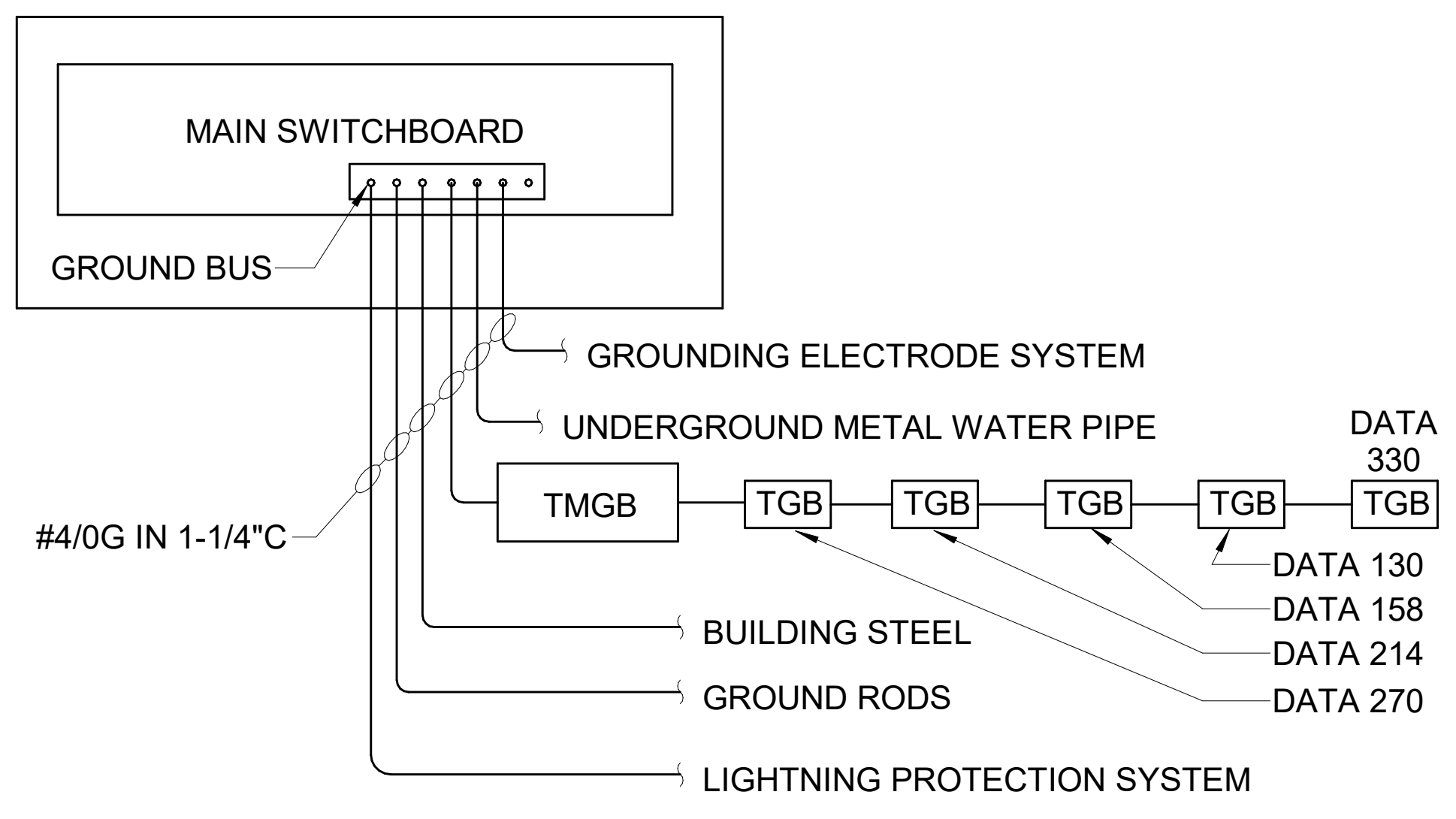


1 ONE-LINE DIAGRAM
EP501 SCALE: NOT TO SCALE


480V
A
B
C
EQUIPMENT GROUNDING CONDUCTOR
DRY TYPE TRANSFORMER
NEUTRAL
SYSTEM BONDING JUMPER
208Y/120V
MAIN BREAKER
GROUNDING ELECTRODE CONDUCTOR
PANEL
N
G
NEAREST GROUNDING ELECTRODE
ISOLATED NEUTRAL TERMINAL
SUPPLY-SIDE BONDING JUMPERS

NOTES: 1. CONDUCTORS AND CONDUITS SHALL BE CONCEALED IN FINISHED SPACES AND ON BUILDING EXTERIOR.

2 TRANSFORMER GROUNDING DETAIL
EP501 SCALE: NOT TO SCALE



NOTES: 1. CONDUCTORS AND CONDUITS SHALL BE CONCEALED IN FINISHED SPACES AND ON BUILDING EXTERIOR.

3 GROUNDING ELECTRODE SYSTEM DETAIL
EP501 SCALE: NOT TO SCALE

TRANSFORMER SCHEDULE

TAG	KVA	VOLTS
THB1	30	480△- 208Y/120
TGMHB1	30	480△- 208Y/120
TGHB1	30	480△- 208Y/120
TGTHB1	112.5	480△- 208Y/120
TH11	75	480△- 208Y/120
TGH11	75	480△- 208Y/120
TH21	75	480△- 208Y/120
TH31	30	480△- 208Y/120
TMHA1	30	480△- 208Y/120
TMHA2	30	480△- 208Y/120

PANELBOARD DESIGNATIONS

G M H B 1

1 → PANELBOARD NUMBER

B → B = BASEMENT
1 = FIRST FLOOR
2 = SECOND FLOOR
3 = THIRD FLOOR
A = ATTIC

H → H = HIGH VOLTAGE (480/277V)
L = LOW VOLTAGE (208/120V)

M → M = MECHANICAL
R = RECEPTACLE
L = LIGHTING
T = TECHNOLOGY/SECURITY/COMMUNICATIONS

G → G = GENERATOR
BLANK = NORMAL USE

NO.	DATE	DESCRIPTION	BY
3	03/06/25	ADDENDUM NO.5	DCL
2	02/28/25	ADDENDUM NO.3	MHL
1	02/14/25	ADDENDUM NO.1	MHL

REVISIONS

DALE C. LINCOLN, II
No. 10443
1/28/25

DRAWN BY: BPD
CHECK BY: DCL
NO.
DATE 01/29/2025

DEPARTMENT OF INLAND FISHERIES & WILDLIFE
TITLE NEW OFFICE HEADQUARTERS
LOCATION AUGUSTA, ME
TITLE THIS DWG. ONE-LINE DIAGRAM AND DETAILS

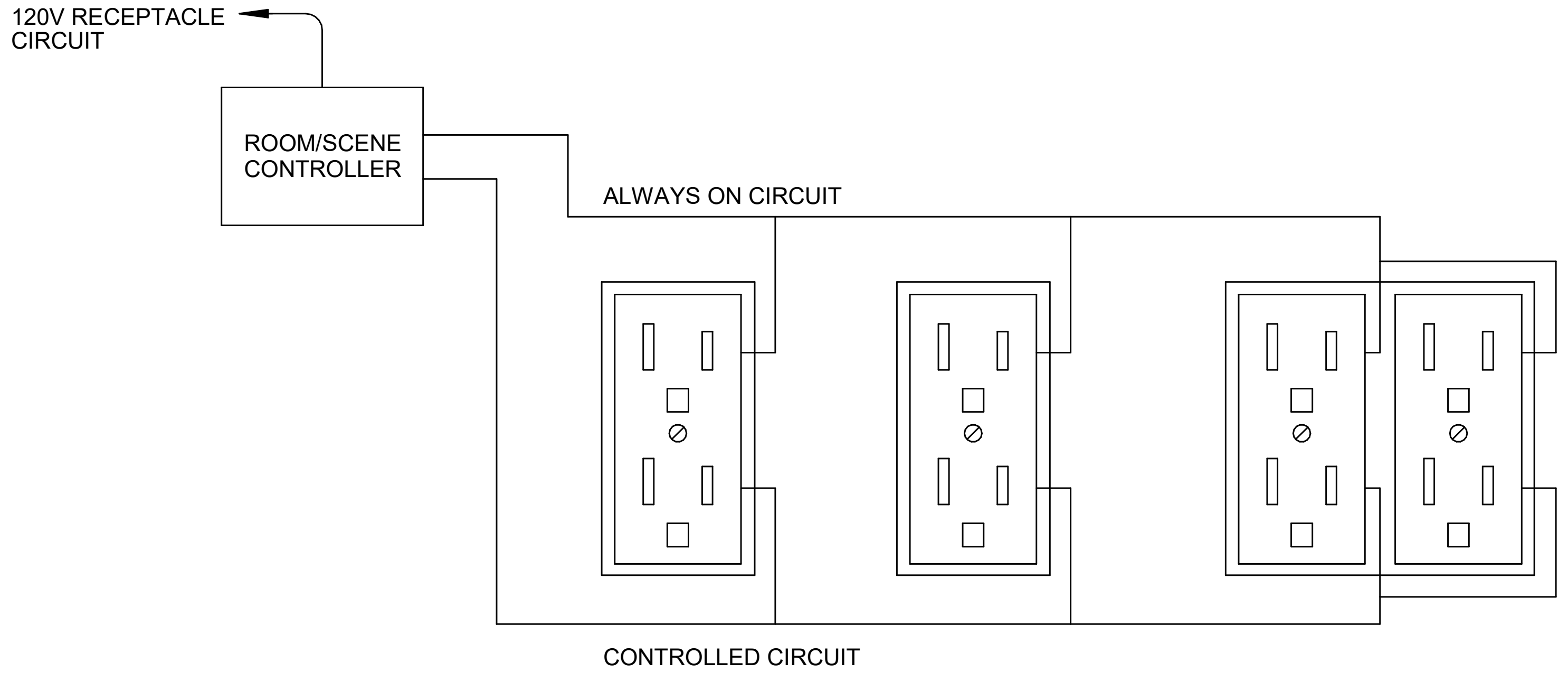
OAK POINT ASSOCIATES
ARCHITECTURE ■ ENGINEERING ■ PLANNING
231 Main Street, Biddeford, Maine 04005 207.283.0193

DRAWING NO. EP501
SHEET NO. 218 OF 239

MECHANICAL EQUIPMENT AND WIRING SCHEDULE

EQUIPMENT	VOLTS/PHASE	WIRE SIZE	CONDUIT SIZE	FUSED/NON-FUSED	DISCONNECT SIZE	FUSE SIZE	STARTER NEMA SIZE
AHU-1	480/3	4#10, 1#10G	3/4"	FUSED	30	15	NOTE 1
AHU-2	480/3	4#10, 1#10G	3/4"	FUSED	30	25	NOTE 1
AHU-3	480/3	4#10, 1#10G	3/4"	FUSED	30	25	NOTE 1
AHU-4	480/3	4#8, 1#10G	3/4"	FUSED	60	40	NOTE 1
DOAS-1	480/3	4#10, 1#10G	3/4"	FUSED	30	25	NOTE 1
DOAS-2	480/3	4#10, 1#10G	3/4"	FUSED	30	30	NOTE 1
DOAS-3	480/3	4#10, 1#10G	3/4"	FUSED	30	30	NOTE 1
DOAS-4							
DOAS-5							
P-1	480/3	3#12, 1#12G	3/4"	FUSED	30	20	1
P-2	480/3	3#12, 1#12G	3/4"	FUSED	30	20	1
P-3	480/3	3#12, 1#12G	3/4"	FUSED	30	15	0
P-4	480/3	3#12, 1#12G	3/4"	FUSED	30	15	0
P-5	480/3	3#12, 1#12G	3/4"	FUSED	30	20	1
P-6	480/3	3#12, 1#12G	3/4"	FUSED	30	20	1
P-7	480/3	3#6, 1#10G	1"	FUSED	45	60	2
P-8	480/3	3#6, 1#10G	1"	FUSED	45	60	2
CU-1/AC-1	208/1	2#10, 1#10G	3/4"	FUSED	30	25	NOTES 1,2
CU-2/AC-2	208/1	2#10, 1#10G	3/4"	FUSED	30	25	NOTES 1,2
CU-3/AC-3	208/1	2#10, 1#10G	3/4"	FUSED	30	25	NOTES 1,2
CU-4/AC-4	208/1	2#10, 1#10G	3/4"	FUSED	30	25	NOTES 1,2
CU-5/AC-5	208/1	2#10, 1#10G	3/4"	FUSED	30	25	NOTES 1,2
UH-1	277/1	2#12, 1#12G	3/4"	FUSED	-	-	-
UH-2	277/1	2#12, 1#12G	3/4"	FUSED	-	-	-
UH-3	277/1	2#12, 1#12G	3/4"	FUSED	-	-	-
UH-4	277/1	2#12, 1#12G	3/4"	FUSED	-	-	-
UH-5	277/1	2#12, 1#12G	3/4"	FUSED	-	-	-
UH-6	277/1	2#12, 1#12G	3/4"	FUSED	-	-	-
UH-7	120/1	2#12, 1#12G	3/4"	FUSED	-	-	-
UH-8	120/1	2#12, 1#12G	3/4"	FUSED	-	-	-
UH-9	120/1	2#12, 1#12G	3/4"	FUSED	-	-	-
UH-10	120/1	2#12, 1#12G	3/4"	FUSED	-	-	-
UH-11	120/1	2#12, 1#12G	3/4"	FUSED	-	-	-
UH-12	120/1	2#12, 1#12G	3/4"	FUSED	-	-	-
UH-13	120/1	2#12, 1#12G	3/4"	FUSED	-	-	-
UH-14	120/1	2#12, 1#12G	3/4"	FUSED	-	-	-
UH-15	120/1	2#12, 1#12G	3/4"	FUSED	-	-	-
UH-16	120/1	2#12, 1#12G	3/4"	FUSED	-	-	-
UH-17	120/1	2#12, 1#12G	3/4"	FUSED	-	-	-
UH-18	120/1	2#12, 1#12G	3/4"	FUSED	-	-	-
UH-19	120/1	2#12, 1#12G	3/4"	FUSED	-	-	-
ELEVATOR 1	480/3	-	-	FUSED	-	-	-
ELEVATOR 2	480/3	-	-	FUSED	-	-	-
HP-1	480/3	4#3/0, 1#4G	2"	FUSED	400	250	NOTE 1
GF-1	120/1	2#12, 1#12G	3/4"	FUSED	30	15	0
EWH-1	208/1	3#6, 1#10G	1"	FUSED	60	60	-
EWH-2	208/1	3#10, 1#10G	3/4"	FUSED	30	30	-
EWH-3	208/1	3#6, 1#10G	1"	FUSED	60	60	-
RP-1	-	-	-	-	-	-	-
RP-2	-	-	-	-	-	-	-
SP-1	-	-	-	-	-	-	-
SP-2	-	-	-	-	-	-	-
CUH-1	120/1	2#12, 1#12G	3/4"	-	-	-	-
CUH-2	120/1	2#12, 1#12G	3/4"	-	-	-	-
CUH-3	120/1	2#12, 1#12G	3/4"	-	-	-	-
EUH-1	277/1	2#12, 1#12G	3/4"	FUSED	30	20	N/A
EUH-2	277/1	2#12, 1#12G	3/4"	FUSED	30	20	N/A
EUH-3	277/1	2#12, 1#12G	3/4"	FUSED	30	20	N/A
TF-1	120/1	2#12, 1#12G	3/4"	-	-	-	-
TF-2	120/1	2#12, 1#12G	3/4"	-	-	-	-
TF-3	120/1	2#12, 1#12G	3/4"	-	-	-	-

SCHEDULE NOTE:
1. STARTER/VFD PROVIDED WITH UNIT.
2. AC UNIT FED FROM CU UNIT.

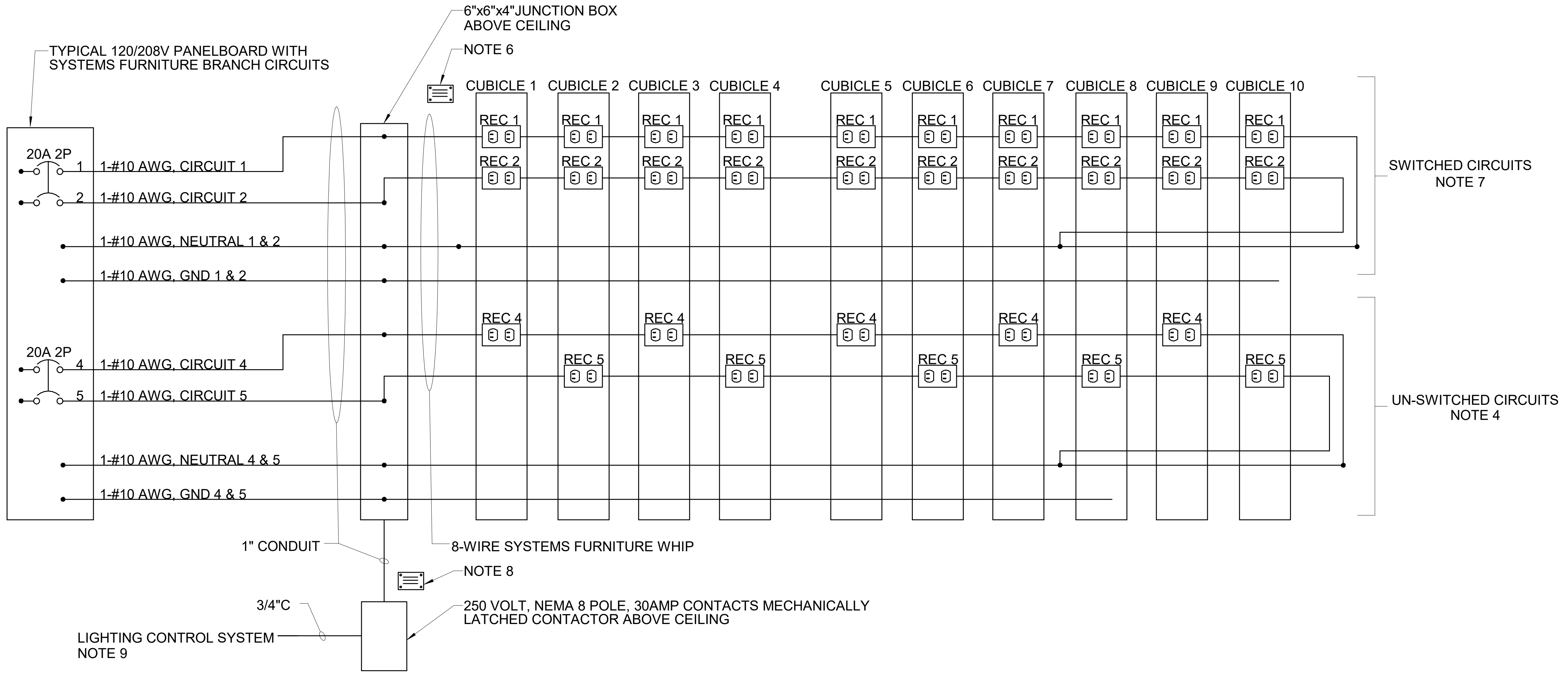


AUTOMATIC RECEPTACLE CONTROL DIAGRAM NOTES:

1. REFER TO PLANS FOR RECEPTACLE QUANTITIES AND CIRCUITS. AUTOMATICALLY CONTROLLED RECEPTACLES ARE NOTED AS "A" RECEPTACLES ON PLANS.
2. CONNECT TO LIGHTING CONTROL SYSTEM. REFER TO DRAWING EL701.
3. WIRE DUPLEX RECEPTACLES WITH (1) AUTOMATIC SHUT OFF CONTROLLED OUTLET AND (1) NON-CONTROLLED OUTLET.
4. PROVIDE RECEPTACLE LABELED WITH CONTROLLED PER NEC 406.3.

1 EP502 AUTOMATIC RECEPTACLE CONTROL DIAGRAM

SCALE: NOT TO SCALE



SYSTEMS FURNITURE WIRING DETAIL (10-WIRE) NOTES:

1. COORDINATE WITH THE FURNITURE INSTALLER FOR FINAL SYSTEMS FURNITURE WIRING CONFIGURATION.
2. THIS DETAIL APPLIES WHERE CUBICLES ARE FED FROM ONE 8-WIRE FURNITURE WHIP.
3. COMPLY WITH NFPA 70, SECTION 210.4 FOR MULTI-WIRE BRANCH CIRCUITS.
4. ONE 20A CIRCUIT MUST NOT SERVE MORE THAN FIVE UNSWITCHED RECEPTACLE.
5. PROVIDE ENGRAVED INFORMATIONAL LABEL LISTING SOURCE PANELBOARD AND CIRCUIT NUMBERS.
6. ONE 20A CIRCUIT MUST NOT SERVE MORE THAN TEN SWITCHED RECEPTACLES.
7. PROVIDE ENGRAVED INFORMATIONAL LABEL TO IDENTIFY MECHANICALLY HELD RELAY, CIRCUITS, LIGHTING CONTROL PANEL, AND LIGHTING CONTROL PANEL CIRCUIT NUMBER.
8. REFER TO LIGHTING CONTROL PANEL DETAILS FOR OUTPUT CIRCUITS FROM LIGHTING CONTROL PANELS WHICH PROVIDE AUTOMATICALLY CONTROLLED RECEPTACLES.
9. COORDINATE SWITCHED RECEPTACLE BUILDING OWNER AND FURNITURE INSTALLER.

3 EP502 SYSTEMS FURNITURE WIRING DETAIL (10-WIRE)

SCALE: 12" = 1'-0"

NO.	DATE	DESCRIPTION	BY
1	03/06/25	ADDENDUM NO.5	DCL

REVISIONS

DALE C. LINCOLN, II
No. 10443
1/28/25

DRAWN BY: BPD
CHECK BY: DCL
NO.
DATE 01/29/2025

DEPARTMENT OF INLAND FISHERIES & WILDLIFE
TITLE NEW OFFICE HEADQUARTERS
LOCATION AUGUSTA, ME
TITLE THIS DWG. ELECTRICAL DETAILS AND WIRING SCHEDULE

OAK POINT ASSOCIATES
ARCHITECTURE ■ ENGINEERING ■ PLANNING
231 Main Street, Biddeford, Maine 04005 207.283.0193

DRAWING NO. EP502
SHEET NO. 219 OF 239

PANELBOARD SCHEDULE GMDP

Location: STORAGE 002 **Volts:** 480/277 Wye **A.I.C. Rating:** 35000
Mounting: Surface **Phases:** 3 **Mains Type:** MCB
Enclosure: Type 1 **Wires:** 4 **Mains Rating:** 1000 A
MCB Rating: 1000 A

CKT	Circuit Description	Trip	Poles	A	B	C	A	B	C	Poles	Trip	Circuit Description	CKT
1	TGTHB1	175 A	3	87.1			20.6			3	100 A	GLHB1	2
3	--	--	--		62.9			4.3		--	--	--	4
5	--	--	--			47.9			15.7	--	--	--	6
7	GMHB1	800 A	3	291.9			74.4			3	100 A	GLH11	8
9	--	--	--		300.2			69.6		--	--	--	10
11	--	--	--			308.9			67.8	--	--	--	12
13	GLH21	100 A	3	18.9			20.1			3	100 A	GLH31	14
15	--	--	--		12			9.4		--	--	--	16
17	--	--	--			0			0	--	--	--	18
19	ELEVATOR E2	150 A	3	93.3			93.3			3	150 A	ELEVATOR E1	20
21	--	--	--		93.3			93.3		--	--	--	22
23	--	--	--			93.3			93.3	--	--	--	24
25													26
27													28
29													30
31													32
33													34
35													36
37	STORAGE BARN	200 A	3	75									38
39	--	--	--		75								40
41	--	--	--			75							42
			Total Load:	212734 VA	197649 VA	193654 VA							
			Total Amps:	770.2	715.8	699.1							

PANELBOARD SCHEDULE MSWBD

Location: STORAGE 002 **Volts:** 480/277 Wye **A.I.C. Rating:** 65000
Mounting: Surface **Phases:** 3 **Mains Type:** MCB
Enclosure: Type 1 **Wires:** 4 **Mains Rating:** 1600 A
MCB Rating: 1600 A

CKT	Circuit Description	Trip	Poles	A	B	C	A	B	C	Poles	Trip	Circuit Description	CKT
1	MHB1	100 A	3	36.3			38.5			3	100 A	TH21	2
3	--	--	--		36.3			41.6		--	--	--	4
5	--	--	--			36.3			38	--	--	--	6
7	TH31	40 A	3	34.3			70.4			3	100 A	TH11	8
9	--	--	--		24.7			71.1		--	--	--	10
11	--	--	--			26.7			59.4	--	--	--	12
13	MHA2	100 A	3	69			0			3	20 A	SPD	14
15	--	--	--		69.2			0		--	--	--	16
17	--	--	--			59.8			0	--	--	--	18
19	MHA1	200 A	3	88.9			6.8			3	40 A	THB1	20
21	--	--	--		91.7			6.8		--	--	--	22
23	--	--	--			86.1			4.7	--	--	--	24
25													26
27													28
29													30
31													32
33													34
35													36
37	GMDP	800 A	3	770.2									38
39	--	--	--		715.8								40
41	--	--	--			699.1							42
			Total Load:	307007 VA	291249 VA	279715 VA							
			Total Amps:	1114.7	1057.9	1009.8							

PANELBOARD SCHEDULE GLHB1

Location: STORAGE 004 **Volts:** 480/277 Wye **A.I.C. Rating:** 35000
Mounting: Surface **Phases:** 3 **Mains Type:** MCB
Enclosure: Type 1 **Wires:** 4 **Mains Rating:** 100 A
MCB Rating: 100 A

CKT	Circuit Description	Trip	Poles	A	B	C	A	B	C	Poles	Trip	Circuit Description	CKT
1	LTG - BASEMENT	20 A	1	4									2
3	LTG - STAIR S3	20 A	1		2			0.9		1	20 A	LTG - STAIR S1	4
5	LTG - ELEV E1	20 A	1			0.5			0.4	1	20 A	LTG - ELEV E2	6
7	LTG - SITE AND BLDG MOUNT	20 A	1	2.5									8
9	LTG - INDEPENDENCE DRIVE	20 A	1		1								10
11	LTG - EAST PARKING LOTS	20 A	1			2							12
13	LTG - WEST PATIO AND BOLLARDS	20 A	1	0.8									14
15													16
17													18
19													20
21													22
23													24
25													26
27													28
29													30
31													32
33													34
35													36
37	TGHB1	40 A	3	13.6									38
39	--	--	--		0.4								40
41	--	--	--			12.9							42
			Total Load:	5295 VA	1190 VA	3915 VA							
			Total Amps:	20.6	4.3	15.7							

PANELBOARD SCHEDULE MHB1

Location: STORAGE 004 **Volts:** 480/277 Wye **A.I.C. Rating:** 14000
Mounting: Surface **Phases:** 3 **Mains Type:** MCB
Enclosure: Type 1 **Wires:** 4 **Mains Rating:** 100 A
MCB Rating: 100 A

CKT	Circuit Description	Trip	Poles	A	B	C	A	B	C	Poles	Trip	Circuit Description	CKT
1	DOAS-1	25 A	3	18.2			9			3	15 A	AHU-1	2
3	--	--	--		18.2			9		--	--	--	4
5	--	--	--			18.2			9	--	--	--	6
7	HPCU-2	15 A	3	9									8
9	--	--	--		9								10
11	--	--	--			9							12
13													14
15													16
17													18
19													20
21													22
23													24
25													26
27													28
29													30
31													32
33													34
35													36
37													38
39													40
41													42
			Total Load:	10043 VA	10043 VA	10043 VA							
			Total Amps:	36.3	36.3	36.3							

PANELBOARD SCHEDULE GMHB1

Location: MECH 005 **Volts:** 480/277 Wye **A.I.C. Rating:** 35000
Mounting: Surface **Phases:** 3 **Mains Type:** MCB
Enclosure: Type 1 **Wires:** 4 **Mains Rating:** 800 A
MCB Rating: 800 A

CKT	Circuit Description	Trip	Poles	A	B	C	A	B	C	Poles	Trip	Circuit Description	CKT
1	P-1	20 A	3	11			11			3	20 A	P-2	2
3	--	--	--		11			11		--	--	--	4
5	--	--	--			11			11	--	--	--	6
7	P-3	15 A	3	4.8			4.8			3	15 A	P-4	8
9	--	--	--		4.8			4.8		--	--	--	10
11	--	--	--			4.8			4.8	--	--	--	12
13	P-5	20 A	3	7.6			7.6			3	20 A	P-6	14
15	--	--	--		7.6			7.6		--	--	--	16
17	--	--	--			7.6			7.6	--	--	--	18
19	P-7	60 A	3	27			27			3	60 A	P-8	20
21	--	--	--		27			27		--	--	--	22
23	--	--	--			27			27	--	--	--	24
25	HP-1	250 A	3	177.1									26
27	--	--	--		177.1								28
29	--	--	--			177.1							30
31													32
33													34
35													36
37							14			3	40 A	TGMHB1	38
39								22.3		--	--	--	40
41									31	--	--	--	42
43													44
45													46
47													48
49													50
51													52
53													54
55													56
57													58
59													60
			Total Load:	80847 VA	82845 VA	85257 VA							
			Total Amps:	291.9	300.2	308.9							

PANELBOARD SCHEDULE GLB1

Location: STORAGE 004 **Volts:** 120/208 Wye **A.I.C. Rating:** 10000
Mounting: Surface **Phases:** 3 **Mains Type:** MCB
Enclosure: Type 1 **Wires:** 4 **Mains Rating:** 100 A
MCB Rating: 100 A

CKT	Circuit Description	Trip	Poles	A	B	C	A	B	C	Poles	Trip	Circuit Description	CKT
1	REC - AHU-6 (WP)	20 A	1	1.5			0			3	100 A	GENERATOR PANEL	2
3	LTG - FLAGPOLE	20 A	1		1			0		--	--	--	4
5	EV CHARGER	40 A	2			30			0	--	--	--	6
7	--	--	--	30									8
9													10
11													12
13													14
15													16
17													18
19													20
21													22
23													24
25													26
27													28
29													30
31													32
33													34
35													36
37													38
39													40
41													42
			Total Load:	3300 VA	120 VA	3120 VA							
			Total Amps:	31.3	1	29.8							

PANELBOARD SCHEDULE RLB1

Location: STORAGE 004 **Volts:** 120/208 Wye **A.I.C. Rating:** 10000
Mounting: Surface **Phases:** 3 **Mains Type:** MCB
Enclosure: Type 1 **Wires:** 4 **Mains Rating:** 100 A
MCB Rating: 100 A

CKT	Circuit Description	Trip	Poles	A	B	C	A	B	C	Poles	Trip	Circuit Description	CKT
1	REC - BASEMENT NORTH	20 A	1	4.5			4.5			1	20 A	REC - BASEMENT WEST	2
3	REC - BASEMENT EAST	20 A	1		4.5			4.5		1	20 A	REC - BASEMENT SOUTH	4
5	VAV BOXES BASEMENT	20 A	1			1			9.8	1	20 A	REC - SP-4	6
7	REC - BASEMENT NORTH	20 A	1	6									8
9	REC - BASEMENT SOUTH	20 A	1		6								10
11													12
13													14
15													16
17													18
19													20
21													22
23													24
25													26
27													28
29													30
31													32
33													34
35													36
37													38
39													40
41													42
			Total Load:	1800 VA	1800 VA	1296 VA							
			Total Amps:	15.6	15.6	10.8							

PANELBOARD SCHEDULE GMLB1

Location: MECH 005 **Volts:** 120/208 Wye **A.I.C. Rating:** 10000
Mounting: Surface **Phases:** 3 **Mains Type:** MCB
Enclosure: Type 1 **Wires:** 4 **Mains Rating:** 100 A
MCB Rating: 100 A

CKT	Circuit Description	Trip	Poles	A	B	C	A	B	C	Poles	Trip	Circuit Description	CKT
1	REC - BASEMENT ADDITION...	20 A	1	4.5			4.5			1	20 A	REC - BASEMENT ADDITION...	2
3	REC - BASEMENT	20 A	1		4.5			43		2	60 A	EWH-1	4
5	ELEVATOR CAB E1	30 A	1			12			43	--	--	--	6
7	REC - MACHINE RM E1A	20 A	1	1.5			12			1	20 A	ELEVATOR CAB E2	8
9	UH-19	20 A	1		2.2			1		1	20 A	CUH-3	10
11	UH-9,10,11,12	20 A	1			8.8			11	1	20 A	UH-7,8,13,14,15,16	12
13	REC - SP-1	20 A	1	9.8									14
15	RP-1	15 A	1		4								16
17													18
19													20
21													22
23													24
25													26
27													28
29													30
31													32
33													34
35													36
37													38
39													40
41													42
			Total Load:	3876 VA	5874 VA	8286 VA							
			Total Amps:	32.3	51.5	71.6							

PANELBOARD SCHEDULE GTLB1

Location: DATA 006 **Volts:** 120/208 Wye **A.I.C. Rating:** 10000
Mounting: Surface **Phases:** 3 **Mains Type:** MCB
Enclosure: Type 1 **Wires:** 4 **Mains Rating:** 400 A
MCB Rating: 350 A

CKT	Circuit Description	Trip	Poles	A	B	C	A	B	C	Poles	Trip	Circuit Description	CKT
1	GTL11	200 A	3	93.9			59.2			3	200 A	GTL12	2
3	--	--	--		92.4			52.7		--	--	--	4
5	--	--	--			63			47.5	--	--	--	6
7	IT RACK	30 A	1	24			24			1	30 A	IT RACK	8
9													10
11													12
13													14
15													16
17													18
19													20
21													22
23													24
25													26
27													28
29													30
31													32
33													34
35													36
37													38
39													40
41													42
			Total Load:	23580 VA	16860 VA	13260 VA							
			Total Amps:	201.1	145.1	110.5							

DRAWING KEYNOTES

1 PROVIDE GFCI CIRCUIT BREAKER.

NO.	DATE	DESCRIPTION	BY
2	03/06/25	ADDENDUM NO.5	DCL
1	02/28/25	ADDENDUM NO.3	MHL

REVISIONS

DALE C. LINCOLN, II
No. 10443
1/28/25

DEPARTMENT OF INLAND FISHERIES & WILDLIFE
TITLE NEW OFFICE HEADQUARTERS
LOCATION AUGUSTA, ME
TITLE THIS DWG. PANELBOARD SCHEDULES
DRAWN BY: BPD
CHECK BY: DCL
NO.
DATE 01/29/2025

OAK POINT ASSOCIATES
ARCHITECTURE ■ ENGINEERING ■ PLANNING
231 Main Street, Biddeford, Maine 04005 207.283.0193

DRAWING NO. EP601
SHEET NO. 220 OF 239

3/7/2025 3:55:04 PM
C:\Users\Ben\Documents\22205.04-IF&W-ELECTRICAL_v22_bdaigleQUXG8.rvt

PANELBOARD SCHEDULE RL11

Location: ELEC 132
Mounting: Surface
Enclosure: Type 1
Volts: 120/208 Wye
Phases: 3
Wires: 4
A.I.C. Rating: 10000
Mains Type: MCB
Mains Rating: 200 A
MCB Rating: 200 A

CKT	Circuit Description	Trip	Poles	A	B	C	A	B	C	Poles	Trip	Circuit Description	CKT
1	REC - COPIER RM 167	20 A	1	1.5			12			1	20 A	REC - RMS 154 AND 156	2
3	REC - CONF RM 152	20 A	1		9			1.5		1	20 A	REC - CONF RM 152 TV	4
5	REC - RMS 148 AND 150	20 A	1			12			12	1	20 A	REC - RMS 144 AND 146	6
7	REC - RMS 140 AND 142	20 A	1	12			12			1	20 A	REC - RMS 136 AND 138	8
9	REC - RM 134	20 A	1		3			4.5		1	20 A	REC - RM 134	10
11	REC - CONF RM 155	20 A	1			12			1.5	1	20 A	REC - CONF RM 155 TV	12
13	REC - RMS 151 AND 153	20 A	1	12			12			1	20 A	REC - RMS 147 AND 149	14
15	REC - RMS 143 AND 145	20 A	1		12			12		1	20 A	REC - RMS 139 AND 141	16
17	REC - RMS 135 AND 137	20 A	1			9			4.5	1	20 A	REC - RM 133 COUNTER 1	18
19	REC - EXTERIOR FRONT	20 A	1	4.5			6			1	20 A	REC - RMS 104 AND 105	20
21	REC - ELEC RM 132	20 A	1		3			9		1	20 A	REC - RMS 101,103,106,107,108 AND 131	22
23	REC - EXTERIOR BACK	20 A	1			3			4.5	1	20 A	REC - CONF RM 102C	24
25	REC - CONF RM 102B	20 A	1	4.5			7.5			1	20 A	REC - CONF RM 102B	26
27	REC - CONF RM 102B TV	20 A	1		3			4.5		1	20 A	REC - CONF RM 102A	28
29	REC - CONF RM 102A TV	20 A	1			3			1.5	1	20 A	REC - CONF RM 102A	30
31	REC - LOBBY/MUSEUM RM 100	20 A	1	4.5			6			1	20 A	REC - OFFICE RM 111	32
33	REC - RMS 111A AND 113	20 A	1		12			9		1	20 A	REC - RMS 114 AND 115	34
35	REC - RMS 116 AND 117	20 A	1			9			9	1	20 A	REC - RMS 118 AND 119	36
37	REC - RMS 123 AND 124	20 A	1	9			9			1	20 A	REC - RMS 125 AND 126	38
39	REC - RMS 110 AND 112	20 A	1		6			1.5		1	20 A	REC - COPIER RM 110	40
41	REC - RMS 109 AND 112	20 A	1			10.5			2.4	2	20 A	JUNCTION BOX FURNITURE 112	42
43	JUNCTION BOX FURNITURE 112	20 A	2	2.4			2.4			--	--	--	44
45	--	--	--		2.4			4.5		1	20 A	REC - RM 122 COUNTER	46
47	JUNCTION BOX FURNITURE 112	20 A	2			2.4			7.5	1	20 A	REC - RMS 120,121,128, AND 129	48
49	--	--	--	2.4			4.5			1	20 A	REC - EXTERIOR	50
51	REC - MICROWAVE RM 133	20 A	1		12			3		1	20 A	REC - RM 133 COUNTER 2	52
53	REC - COUNTER BREAK RM 133	20 A	1			3			1.5	1	20 A	REC - MICROWAVE SHELF	54
55	JUNCTION BOX RM 103	20 A	1	1			1.5			1	20 A	REC - COUNTER RM 102C	56
57	REC - COUNTER RM 102C	20 A	1		1.5			10		1	20 A	MOTORIZED SHADE NORTH WALL RM 102C	58
59	MOTORIZED SHADE EAST WALL RM 102C, 102B	20 A	1			10			5	1	20 A	MOTORIZED SHADE EAST WALL RM 102A	60
61	VAV BOXES	20 A	1	1			1			1	20 A	AUTOMATIC VALVE TOILET 120,121	62
63	REC - MICROWAVE CANTEEN RM 122	20 A	1		12			3		1	20 A	REC - QUAD OPEN OFFICE 134	64
65	REC - QUAD OPEN OFFICE 134	20 A	1			3			6	1	20 A	REC - FILES 162, TOILET 163	66
67	REC - CONF 102B	20 A	1	1.5			16			1	20 A	REC - AV CABINET	68
69	REC -QUAD OPEN OFFICE 112	20 A	1		3			1.5		1	20 A	REC - DUPLEX OPEN OFFICE...	70
71	REC - QUAD OPEN OFFICE 112	20 A	1			3			3.6	1	20 A	TF-1	72
73	HP-1-5	25 A	2	17.3									74
75	--	--	--		17.3								76
77	HP-1-4	15 A	2			3.7							78
79	--	--	--	3.7									80
81	REC - CONDENSATE PUMP	20 A	1		7.5								82
83													84
	Total Load:			19086 VA	19278 VA	16449 VA							
	Total Amps:			162.4	164	137.1							

PANELBOARD SCHEDULE GLH11

Location: ELEC 132
Mounting: Surface
Enclosure: Type 1
Volts: 480/277 Wye
Phases: 3
Wires: 4
A.I.C. Rating: 14000
Mains Type: MCB
Mains Rating: 100 A
MCB Rating: 100 A

CKT	Circuit Description	Trip	Poles	A	B	C	A	B	C	Poles	Trip	Circuit Description	CKT
1	TGH11	70 A	3	64.9			1.2			1	20 A	LTG - STAIR S2	2
3	--	--	--		57.5			0.4		1	20 A	LTG - EMERG ATTIC MECH M2	4
5	--	--	--			53.3			0.7	1	20 A	LTG - ATTIC MECH M2	6
7													8
9								12		1	20 A	EUH-1	10
11	LTG - FIRST FLOOR NORTH	20 A	1			4.7			9.2	1	20 A	LTG - FIRST FLOOR CENTER	12
13	LTG - FIRST FLOOR SOUTH	20 A	1	9.3									14
15													16
17													18
19													20
21													22
23													24
25													26
27													28
29													30
31													32
33													34
35													36
37													38
39													40
41													42
	Total Load:			20549 VA	19219 VA	18775 VA							
	Total Amps:			74.4	69.6	67.8							

PANELBOARD SCHEDULE GTL12

Location: DATA 130
Mounting: Surface
Enclosure: Type 1
Volts: 120/208 Wye
Phases: 3
Wires: 4
A.I.C. Rating: 10000
Mains Type: MCB
Mains Rating: 100 A
MCB Rating: 100 A

CKT	Circuit Description	Trip	Poles	A	B	C	A	B	C	Poles	Trip	Circuit Description	CKT
1	GTL22	100 A	3	32.2			3			1	20 A	REC - DATA RM 130	2
3	--	--	--		15.5			3		1	20 A	REC - DATA RM 130	4
5	--	--	--			37.2			3	1	20 A	REC - DATA RM 130	6
7	TWIST LOCK DATA RM 130	30 A	1	24			1.5			1	15 A	REC - CONDENSATE PUMP	8
9	TWIST LOCK DATA RM 130	30 A	1		24			11		2	25 A	CU-4, AC-4	10
11									11	--	--	--	12
13													14
15													16
17													18
19													20
21													22
23													24
25													26
27													28
29													30
	Total Load:			7020 VA	6240 VA	5700 VA							
	Total Amps:			59.2	52.7	47.5							

PANELBOARD SCHEDULE GL11

Location: CORRIDOR 159
Mounting: RECESSED
Enclosure: Type 1
Volts: 120/208 Wye
Phases: 3
Wires: 4
A.I.C. Rating: 10000
Mains Type: MCB
Mains Rating: 200 A
MCB Rating: 200 A

CKT	Circuit Description	Trip	Poles	A	B	C	A	B	C	Poles	Trip	Circuit Description	CKT
1	REC - RM 170 HOOD	20 A	1	12			12			1	20 A	REC - RM 170 HOOD	2
3	REC - RM 170 INCUBATOR	20 A	1		2.5			2.5		1	20 A	REC - RM 170 INCUBATOR	4
5	REC - RM 170 COUNTER	20 A	1			1.5			7.5	1	20 A	REC - RM 170 COUNTER/STOR	6
7	REC - RM REFRIG.	20 A	1	12			3			1	20 A	REC - RM 169 COUNTER	8
9	REC - RM 169 COUNTER	20 A	1		4.5			1.5		1	20 A	REC - RM 167 LAB EQPT	10
11	REC - OFFICE 165/CUST 166	20 A	1			12			3	1	20 A	REC - RM 167 LAB EQPT	12
13	REC - RM 170	20 A	1	1.5			4.5			1	20 A	REC - RM 167 COUNTER	14
15	REC - RM 167 LAB EQPT	20 A	1		3			1.5		1	20 A	REC - RM 171	16
17	REC - RM 159,160,162,163	20 A	1			9			6	1	20 A	REC - 171 CLEAN HOOD	18
19	REC - RM 161 NECROPSY TABLE	20 A	1	6			12			1	20 A	REC - RM 161 FISH FREEZER	20
21	REC - RM 161 LAB EQPT	20 A	1		3			1.5		1	20 A	REC - RM 161 LAB EQPT	22
23	REC - RM 171 HOOD	20 A	1			12			1.5	1	20 A	REC - RM 167 COUNTER	24
25	REC - RM 167 HOOD	20 A	1	12			12			1	20 A	REC - REFRIGERATOR RM 133	26
27	REC - REFRIGERATOR RM 122	20 A	1		12			12		1	20 A	REC - RM 167 ULTRA LOW FREEZER	28
29	REC - RM 167 FRIDGE/FREEZER	20 A	1			12			3	1	20 A	REC - RM 161	30
31	REC - 161 CLEAN HOOD	20 A	1	6			42			2	50 A	REC - RM 167 AUTOCLAVE	32
33	CUH-2, CUH-3	20 A	1		5.4			42		--	--	--	34
35	HP-2-5	25 A	2			17.3			4.8	2	15 A	HP-2-1, HP-2-2, HP-2-3, HP-2-4	36
37	--	--	--	17.3			4.8			--	--	--	38
39	REC - CONDENSATE PUMP	15 A	1		7.5			44		2	60 A	EWH-3	40
41	RP-3	15 A	1			4			44	--	--	--	42
43													44
45													46
47													48
49													50
51													52
53													54
55													56
57													58
59													60
	Total Load:			17828 VA	15777 VA	14757 VA							
	Total Amps:			149.9	132.8	123							

PANELBOARD SCHEDULE GTL11

Location:
Mounting: Surface
Enclosure: Type 1
Volts: 120/208 Wye
Phases: 3
Wires: 4
A.I.C. Rating: 10000
Mains Type: MCB
Mains Rating: 200 A
MCB Rating: 200 A

CKT	Circuit Description	Trip	Poles	A	B	C	A	B	C	Poles	Trip	Circuit Description	CKT
1	GTL21	100 A	3	60.5			3			1	20 A	REC - DATA RM 158	2
3	--	--	--		52.5			3		1	20 A	REC - DATA RM 158	4
5	--	--	--			49			3	1	20 A	REC - DATA RM 158	6
7	TWIST LOCK DATA RM 158	30 A	1	24			3			1	20 A	REC - DATA RM 158	8
9	TWIST LOCK DATA RM 158	30 A	1		24			11		2	25 A	CU-1, AC-1	10
11	REC - CONDENSATE PUMP	15 A	1			1.5			11	--	--	--	12
13													14
15													16
17													18
19													20
21													22
23													24
25													26
27													28
29													30
	Total Load:			10800 VA	10620 VA	7560 VA							
	Total Amps:			93.9	92.4	63							

DRAWING KEYNOTE

1	PROVIDE GFCI CIRCUIT BREAKER.

DALE C. LINCOLN, II
No. 10443
1/28/25

NO.	DATE	DESCRIPTION	BY
2	03/06/25	ADDENDUM NO.5	DCL
1	02/28/25	ADDENDUM NO.3	MHL

REVISIONS

DEPARTMENT OF INLAND FISHERIES & WILDLIFE

TITLE NEW OFFICE HEADQUARTERS
LOCATION AUGUSTA, ME
TITLE THIS DWG. PANELBOARD SCHEDULES 2

DRAWN BY: BPD
CHECK BY: DCL
NO.
DATE 01/29/2025

OAK POINT ASSOCIATES
ARCHITECTURE ■ ENGINEERING ■ PLANNING
231 Main Street, Biddeford, Maine 04005 207.283.0193

DRAWING NO. EP602
SHEET NO. 221 OF 239

PANELBOARD SCHEDULE RL21

Location:
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 10000
Mains Type: MCB
Mains Rating: 200 A
MCB Rating: 200 A

CKT	Circuit Description	Trip	Poles	A	B	C	A	B	C	Poles	Trip	Circuit Description	CKT
1	REC - RECEIVING RM 279	20 A	1	4.5									2
3	REC - EXT. RECEIVING RM 279	20 A	1		1.5			12		1	20 A	REC - RMS 266 AND 268	4
5	REC - RMS...	20 A	1			9			12	1	20 A	REC - RMS 258 AND 260	6
7	REC - RMS 262 AND 264	20 A	1	12			12			1	20 A	REC - RMS 250 AND 252	8
9	REC - RMS 254 AND 256	20 A	1		12			12		1	20 A	REC - RMS 242 AND 244	10
11	REC - RMS 246 AND 248	20 A	1			12			12	1	20 A	REC - RMS 241 AND 243	12
13	REC - COPY RM 240	20 A	1	4.5			9			1	20 A	REC - RM 245	14
15	REC - CANTEEN RM 239	20 A	1		4.5			12		1	20 A	REC - RMS 253 AND 255	16
17	REC - RMS 249 AND 251	20 A	1			12			12	1	20 A	REC - RMS 263 AND 265	18
19	REC - RMS 257 AND 259	20 A	1	12			9			1	20 A	REC - RM 261	20
21	REC - RMS 267 AND 269	20 A	1		12			12		1	20 A	REC - RMS...	22
23	REC - RMS 237 AND 238	20 A	1			7.5							24
25	REC - RMS 206,212,213	20 A	1	9									26
27	REC - RMS 273,274,275,277	20 A	1		10.5								28
29	HP-2-6, HP-2-7, HP-2-8, HP-2-9	15 A	2			3.7							30
31	--	--	--	3.7									32
33	REC - CONDENSATE PUMP	15 A	1		6								34
35													36
37													38
39													40
41													42
43							12			1	20 A	REC - MICROWAVE RM 239	44
45	REC - RM 243 TV	20 A	1		1.5								46
47	TF-2	20 A	1			3.6							48
49	REC - COUNTER RM 239	20 A	1	1.5									50
51													52
53	REC - RECEIVING RM 279	20 A	1			4.5							54
55													56
57													58
59													60
61													62
63													64
65													66
67													68
69													70
71													72
73													74
75													76
77													78
79													80
81													82
83													84
			Total Load:	10642 VA	11520 VA	10534 VA							
			Total Amps:	88.8	96.1	87.8							

PANELBOARD SCHEDULE GTL21

Location: DATA 270
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 10000
Mains Type: MCB
Mains Rating: 100 A
MCB Rating: 100 A

CKT	Circuit Description	Trip	Poles	A	B	C	A	B	C	Poles	Trip	Circuit Description	CKT
1	GTL31	100 A	3	32.2			3			1	20 A	REC - DATA RM 270	2
3	--	--	--		15.5			3		1	20 A	REC - DATA RM 270	4
5	--	--	--			37.2			3	1	20 A	REC - DATA RM 270	6
7	REC - DATA RM 270	20 A	1	3			24			1	30 A	TWIST LOCK DATA RM 270	8
9	TWIST LOCK DATA RM 270	30 A	1		24			11		2	25 A	CU-2, AC-2	10
11	REC - CONDENSATE PUMP	15 A	1			1.5			11	--	--	--	12
13													14
15													16
17													18
19													20
21													22
23													24
25													26
27													28
29													30
			Total Load:	7200 VA	6240 VA	5880 VA							
			Total Amps:	60.5	52.5	49							

PANELBOARD SCHEDULE GTL22

Location: DATA 214
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 10000
Mains Type: MCB
Mains Rating: 100 A
MCB Rating: 100 A

CKT	Circuit Description	Trip	Poles	A	B	C	A	B	C	Poles	Trip	Circuit Description	CKT
1	REC - DATA RM 214	20 A	1	3			3			1	20 A	REC - DATA RM 214	2
3	REC - DATA RM 214	20 A	1		3			3		1	20 A	REC - DATA RM 214	4
5	TWIST LOCK DATA RM 214	30 A	1			24			1.5	1	15 A	REC - CONDENSATE PUMP	6
7	TWIST LOCK DATA RM 214	30 A	1	24									8
9	CU-5, AC-5	20 A	2		11								10
11	--	--	--			11							12
13													14
15													16
17													18
19													20
21													22
23													24
25													26
27													28
29													30
31													32
33													34
35													36
37													38
39													40
41													42
			Total Load:	3600 VA	1860 VA	4200 VA							
			Total Amps:	32.2	15.5	37.2							

PANELBOARD SCHEDULE GLH21

Location: ELEC 238
Mounting: Surface
Enclosure: Type 1

Volts: 480/277 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 14000
Mains Type: MCB
Mains Rating: 100 A
MCB Rating: 100 A

CKT	Circuit Description	Trip	Poles	A	B	C	A	B	C	Poles	Trip	Circuit Description	CKT
1	EUH-2	20 A	1	12			5.4			1	20 A	LTG - SECOND FLOOR SOUTH	2
3	LTG - SECOND FLOOR CENTER	20 A	1		7.5			2.9		1	20 A	LTG - SECOND FLOOR NORTH	4
5													6
7													8
9													10
11													12
13													14
15													16
17													18
19													20
21													22
23													24
25													26
27													28
29													30
31													32
33													34
35													36
37													38
39													40
41													42
			Total Load:	4802 VA	2879 VA	0 VA							
			Total Amps:	18.9	12	0							

DRAWING KEYNOTE

1	PROVIDE GFCI CIRCUIT BREAKER.

PANELBOARD SCHEDULE MHA1

Location: ELEC 303
Mounting: Surface
Enclosure: Type 1

Volts: 480/277 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 35000
Mains Type: MCB
Mains Rating: 200 A
MCB Rating: 200 A

CKT	Circuit Description	Trip	Poles	A	B	C	A	B	C	Poles	Trip	Circuit Description	CKT
1	AHU-2	15 A	3	8.8			18.2			3	25 A	DOAS-2	2
3	--	--	--		8.8			18.2		--	--	--	4
5	--	--	--			8.8			18.2	--	--	--	6
7	AHU-3	15 A	3	8.8									8
9	--	--	--		8.8								10
11	--	--	--			8.8			10.2	3	15 A	DOAS-5	12
13	DOAS-3	25 A	3	25			10.2			--	--	--	14
15	--	--	--		25			10.2		--	--	--	16
17	--	--	--			25							18
19	HPCU-1	30 A	3	15.2									20
21	--	--	--		15.2								22
23	--	--	--			15.2							24
25													26
27													28
29													30
31													32
33													34
35													36
37	TMHA1	45 A	3	2.8									38
39	--	--	--		5.6								40
41	--	--	--			0							42
			Total Load:	24513 VA	25293 VA	23853 VA							
			Total Amps:	88.9	91.7	86.1							

PANELBOARD SCHEDULE MLA1

Location: ELEC 303
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 10000
Mains Type: MCB
Mains Rating: 100 A
MCB Rating: 100 A

CKT	Circuit Description	Trip	Poles	A	B	C	A	B	C	Poles	Trip	Circuit Description	CKT
1	REC - ATTIC	20 A	1	4.5			1			1	20 A	VAV BOXES ATTIC	2
3	REC - REFRIGERATOR RM 239	20 A	1		12								4
5													6
7													8
9													10
11													12
13													14
15													16
17													18
19													20
21													22
23													24
25													26
27													28
29													30
31													32
33													34
35													36
37													38
39													40
41													42
			Total Load:	660 VA	1440 VA	0 VA							
			Total Amps:	6.3	12.8	0							

NO.	DATE	DESCRIPTION	BY
2	03/06/25	ADDENDUM NO.5	DCL
1	02/28/25	ADDENDUM NO.3	MHL

REVISIONS

DALE C. LINCOLN, II
No. 10443
1/28/25

DRAWN BY: BPD
CHECK BY: DCL
NO.
DATE 01/29/2025

DEPARTMENT OF INLAND FISHERIES & WILDLIFE
TITLE NEW OFFICE HEADQUARTERS
LOCATION AUGUSTA, ME
TITLE THIS DWG. PANELBOARD SCHEDULES 3

OAK POINT ASSOCIATES
ARCHITECTURE ■ ENGINEERING ■ PLANNING
231 Main Street, Biddeford, Maine 04005 207.283.0193

DRAWING NO. EP603
SHEET NO. 222 OF 239

PANELBOARD SCHEDULE RL31

Location: ELEC 303
Mounting: Surface
Enclosure: Type 1
Volts: 120/208 Wye
Phases: 3
Wires: 4
A.I.C. Rating: 10000
Mains Type: MCB
Mains Rating: 100 A
MCB Rating: 100 A

CKT	Circuit Description	Trip	Poles	A	B	C	A	B	C	Poles	Trip	Circuit Description	CKT
1	REC - RMS 322 AND 324	20 A	1	12			12			1	20 A	REC - RMS 326 AND 328	2
3	REC - RMS 314 AND 316	20 A	1		12			12		1	20 A	REC - RMS 318 AND 320	4
5	REC - RM 310	20 A	1			7.5			12	1	20 A	REC - RMS 308 AND 312	6
7	REC - RMS 301, 302, AND 304	20 A	1	6			6			1	20 A	REC - RM 306 PLOTTER	8
9	REC - RMS 307...	20 A	1		1.5			4.5		1	20 A	REC - ELEC RM 302	10
11	REC - COPIER RM 307	20 A	1			1.5			4.5	1	20 A	REC - COUNTER RM 305	12
13	REC - RM 309	20 A	1	9			12			1	20 A	REC -RMS 300 AND 311	14
15	REC - RMS 313 AND 315	20 A	1		12			12		1	20 A	REC - RMS 317 AND 319	16
17	REC - CONFERENCE RM 323	20 A	1			10.5			12	1	20 A	REC - RMS 325 AND 327	18
19	REC - MICROWAVE RM 305	20 A	1	12			6			1	20 A	REC - MECH RM M1	20
21	REC - COUNTER RM 305	20 A	1		1.5			1.5		1	20 A	REC - RM 309 TV	22
23	AUTOMATIC VALVES 3RD FLR	20 A	1			1			12	1	20 A	REC - REFRIGERATOR RM 305	24
25	TF-3	20 A	1	3.6									26
27													28
29													30
31													32
33													34
35													36
37													38
39													40
41													42
			Total Load:	9432 VA	6840 VA	7320 VA							
			Total Amps:	79.2	57	61.6							

PANELBOARD SCHEDULE GLH31

Location: ELEC 303
Mounting: Surface
Enclosure: Type 1
Volts: 480/277 Wye
Phases: 3
Wires: 4
A.I.C. Rating: 14000
Mains Type: MCB
Mains Rating: 100 A
MCB Rating: 100 A

CKT	Circuit Description	Trip	Poles	A	B	C	A	B	C	Poles	Trip	Circuit Description	CKT
1	EUH-3	20 A	1	12			6.8			1	20 A	UH-1,2,3,4,5,6,18	2
3	LTG - ATTIC EMERGENCY	20 A	1		8.1								4
5													6
7													8
9													10
11													12
13													14
15													16
17													18
19													20
21													22
23													24
25													26
27													28
29													30
31													32
33													34
35													36
37													38
39													40
41													42
			Total Load:	5210 VA	2254 VA	0 VA							
			Total Amps:	20.1	9.4	0							

PANELBOARD SCHEDULE GTL31

Location: DATA 330
Mounting: Surface
Enclosure: Type 1
Volts: 120/208 Wye
Phases: 3
Wires: 4
A.I.C. Rating: 10000
Mains Type: MCB
Mains Rating: 100 A
MCB Rating: 100 A

CKT	Circuit Description	Trip	Poles	A	B	C	A	B	C	Poles	Trip	Circuit Description	CKT
1	REC - DATA RM 330	20 A	1	3			3			1	20 A	REC - DATA RM 330	2
3	REC - DATA RM 330	20 A	1		3			3		1	20 A	REC - DATA RM 330	4
5	TWIST LOCK DATA RM 330	30 A	1			24			1.5	1	15 A	REC - CONDENSATE PUMP	6
7	TWIST LOCK DATA RM 330	30 A	1	24									8
9	CU-3, AC-3	25 A	2		11								10
11	--	--	--			11							12
13													14
15													16
17													18
19													20
21													22
23													24
25													26
27													28
29													30
			Total Load:	3600 VA	1860 VA	4200 VA							
			Total Amps:	32.2	15.5	37.2							

PANELBOARD SCHEDULE MHA2

Location: OFFICE 220
Mounting: Surface
Enclosure: Type 1
Volts: 480/277 Wye
Phases: 3
Wires: 4
A.I.C. Rating: 14000
Mains Type: MCB
Mains Rating: 100 A
MCB Rating: 100 A

CKT	Circuit Description	Trip	Poles	A	B	C	A	B	C	Poles	Trip	Circuit Description	CKT
1	THMA2	45 A	3	33.8			18.2			3	25 A	DOAS-4	2
3	--	--	--		34			18.2		--	--	--	4
5	--	--	--			24.7			18.2	--	--	--	6
7	AHU-4	25 A	3	17									8
9	--	--	--		17								10
11	--	--	--			17							12
13													14
15													16
17													18
19													20
21													22
23													24
25													26
27													28
29													30
31													32
33													34
35													36
37													38
39													40
41													42
			Total Load:	18763 VA	18833 VA	16573 VA							
			Total Amps:	69	69.2	59.8							

PANELBOARD SCHEDULE MLA2

Location: CORRIDOR 215
Mounting: Surface
Enclosure: Type 1
Volts: 120/208 Wye
Phases: 3
Wires: 4
A.I.C. Rating: 10000
Mains Type: MCB
Mains Rating: 100 A
MCB Rating: 100 A

CKT	Circuit Description	Trip	Poles	A	B	C	A	B	C	Poles	Trip	Circuit Description	CKT
1	RP-2	15 A	1	4			12			1	20 A	REC - REFRIGERATOR RM 211	2
3	REC - CONFERENCE RM 216	20 A	1		10.5			3		1	20 A	REC - MECH ATTIC M2	4
5	REC - CONFERENCE RM 216 TV	20 A	1			1.5			1	1	20 A	VAV BOXES	6
7	REC - RMS 217 AND 219	20 A	1	9			4.2			1	20 A	REC - RM 218 FURNITURE	8
9	REC - CONFERENCE RM 208	20 A	1		9			1.5		1	20 A	REC - CONFERENCE RM 208 TV	10
11	REC - RM 209	20 A	1			12			10.5	1	20 A	REC - RM 230	12
13	REC - RM 232	20 A	1	7.5			9			1	20 A	REC - RMS 233 AND 234	14
15	REC - RMS 235 AND 236	20 A	1		7.5			9		1	20 A	REC - RMS 229 AND 231	16
17	REC - RM 231 TV	20 A	1			1.5			4.2	1	20 A	REC - RM 236 FURNITURE	18
19	AUTOMATIC VALVES 2ND FLR	20 A	1	1			9			1	20 A	REC - RMS 220 AND 222	20
21	REC - MICROWAVE CANTEEN...	20 A	1		12			4.5		1	20 A	REC - CANTEEN RM 211	22
23	REC - RM	20 A	1			1.5			6	1	20 A	REC - RMS 215,218,221	24
25	REC - RMS 225 AND 226	20 A	1	9			10.5			1	20 A	REC - RMS 223 AND 224	26
27	EWH-2	30 A	2		21.6								28
29	--	--	--			21.6							30
31													32
33													34
35													36
37													38
39													40
41													42
			Total Load:	9020 VA	9090 VA	6830 VA							
			Total Amps:	78	78.6	56.9							

DRAWING KEYNOTE

1 PROVIDE GFCI CIRCUIT BREAKER.

NO.	DATE	DESCRIPTION	BY
2	03/06/25	ADDENDUM NO.5	DCL
1	02/28/25	ADDENDUM NO.3	MHL

REVISIONS

STATE OF MAINE
DALE C. LINCOLN, II
No. 10443
1/28/25
LICENSED PROFESSIONAL ENGINEER

DEPARTMENT OF INLAND FISHERIES & WILDLIFE

TITLE NEW OFFICE HEADQUARTERS
LOCATION AUGUSTA, ME
TITLE THIS DWG. PANELBOARD SCHEDULES 4

DRAWN BY: BPD
CHECK BY: DCL
NO.
DATE 01/29/2025

OAK POINT ASSOCIATES
ARCHITECTURE ■ ENGINEERING ■ PLANNING
231 Main Street, Biddeford, Maine 04005 207.283.0193

DRAWING NO. EP604
SHEET NO. 223 OF 239

3/7/2025 3:55:14 PM
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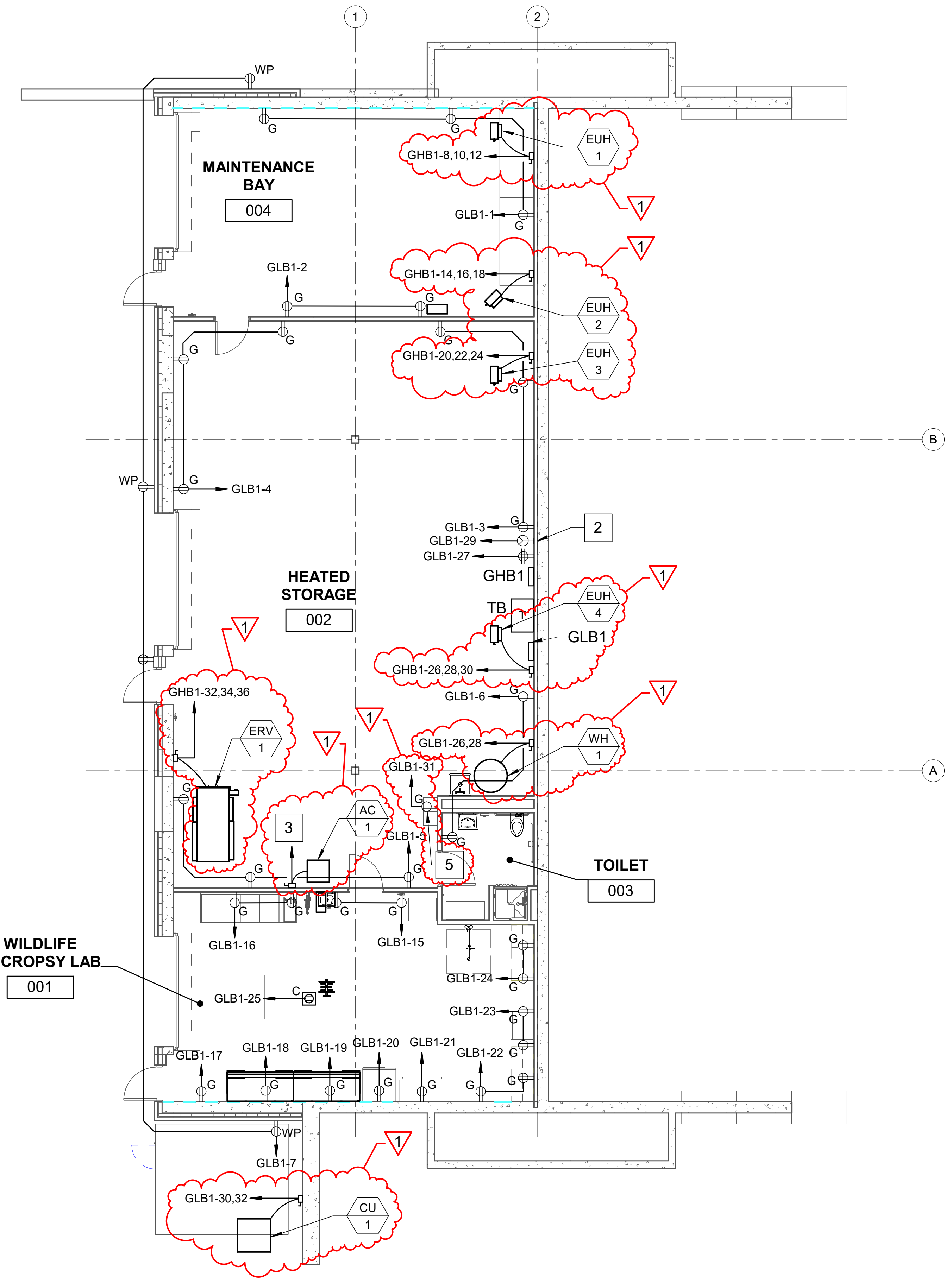
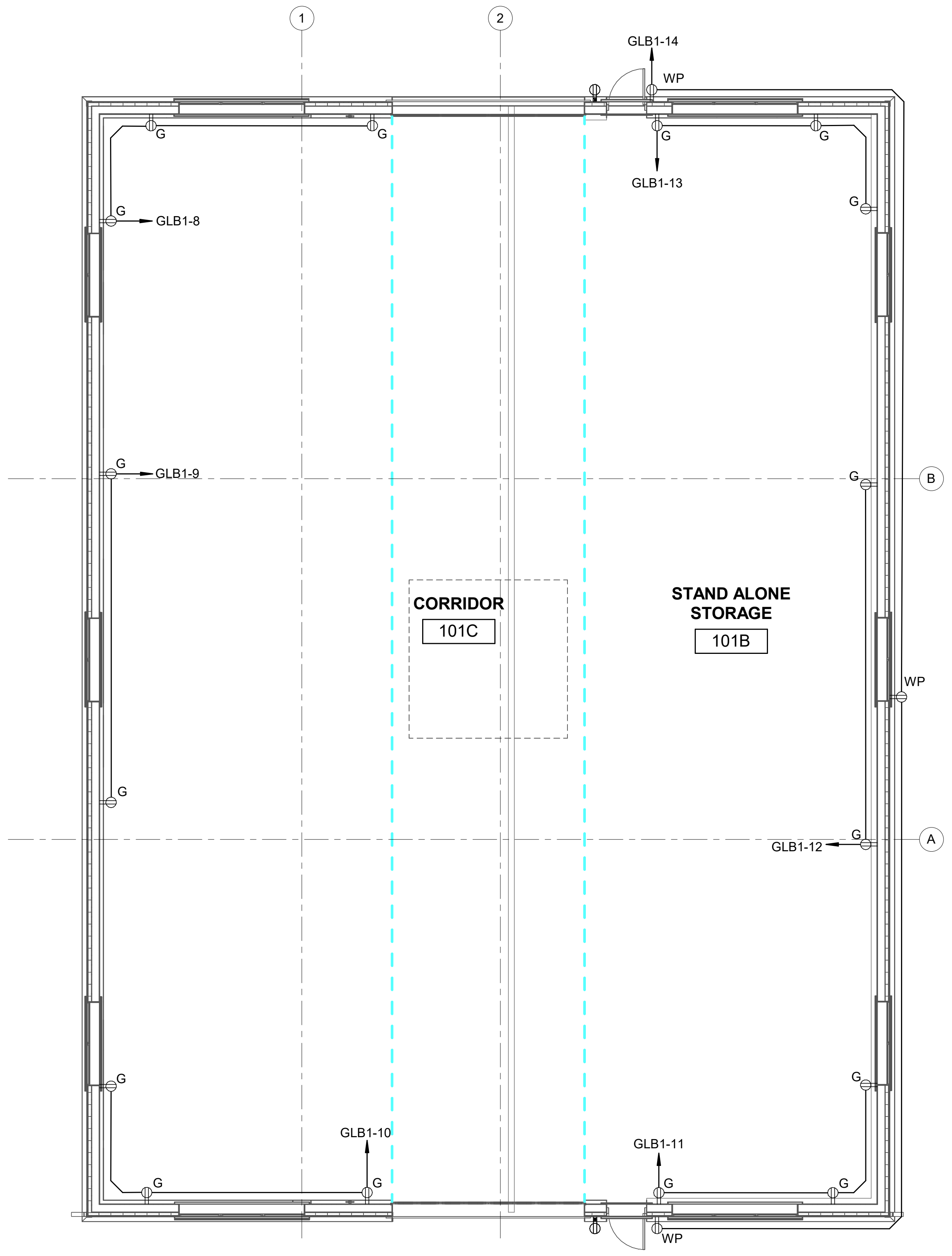


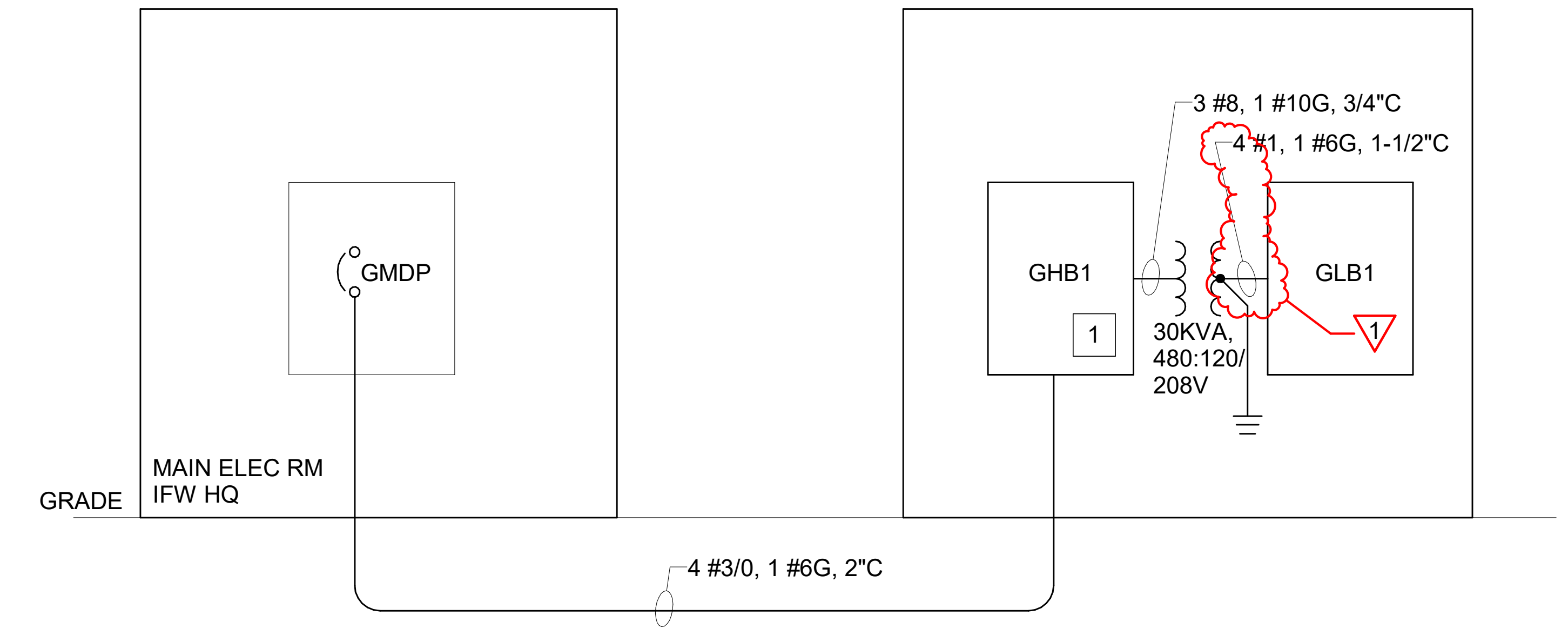
1 BASEMENT FLOOR POWER PLAN
EP101 SCALE: 1/8" = 1'-0"
PLAN NORTH



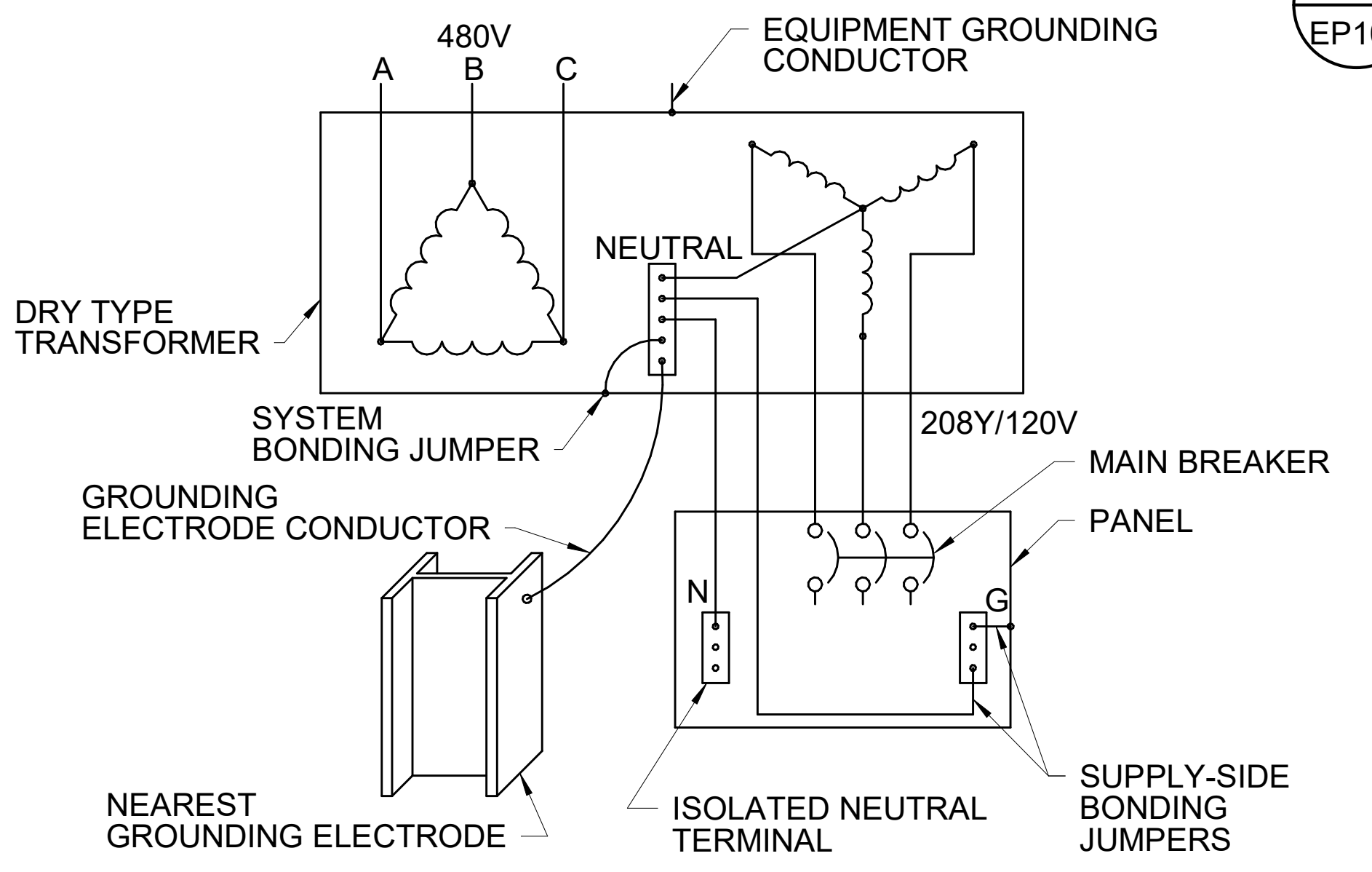
2 FIRST FLOOR POWER PLAN
EP101 SCALE: 1/8" = 1'-0"
PLAN NORTH

DRAWING KEYNOTES

1	PROVIDE SURGE PROTECTION. SPD MUST COMPLY WITH REQUIREMENTS OF UL MASTER LABEL LIGHTNING PROTECTION SYSTEM, TYPE 1 SPD.
2	PROVIDE NEMA 5-30R RECEPTACLE. COORDINATE LOCATION WITH BGS IT.
3	AC-1 POWERED BY OUTDOOR UNIT CU-1.
4	PROVIDE GFCI CIRCUIT BREAKER.
5	FOR WATER COOLER.

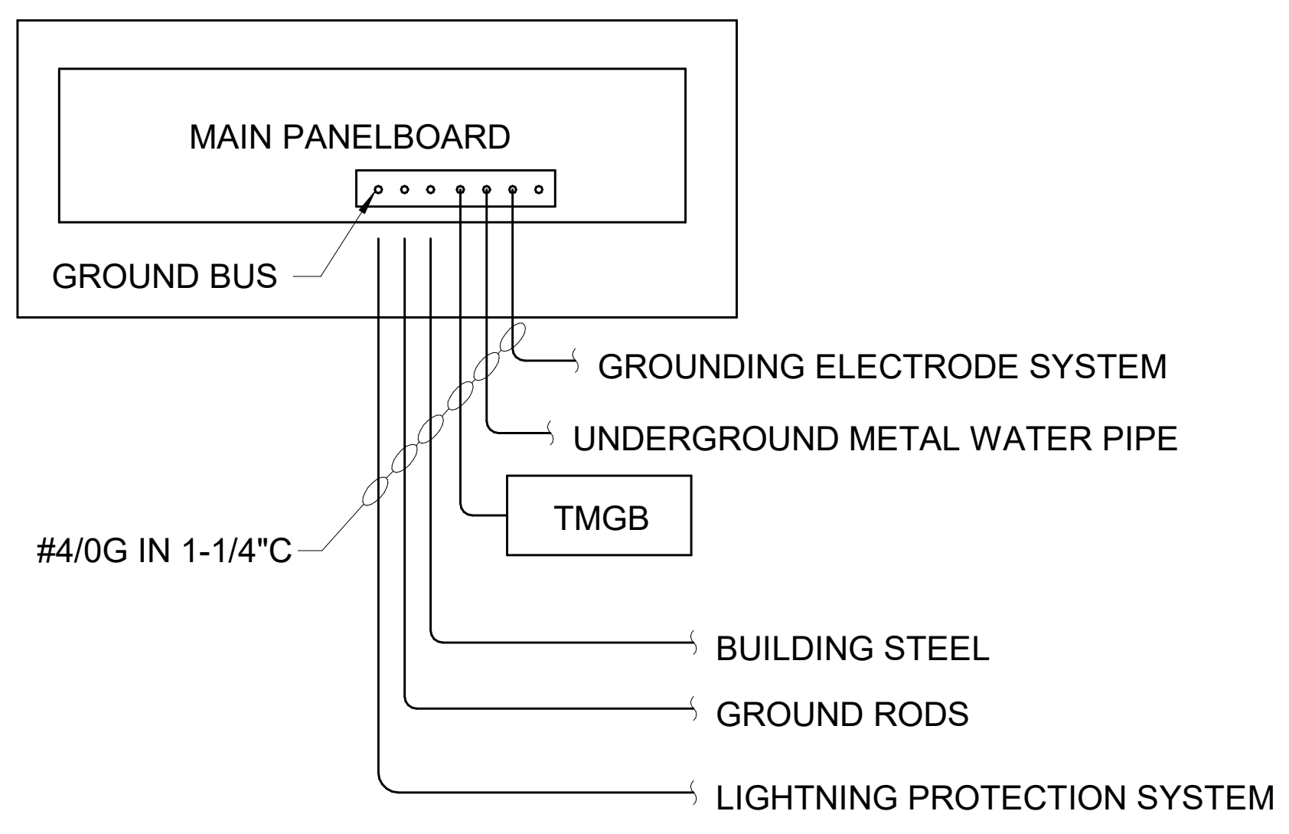


4 ONE-LINE DIAGRAM
EP101 SCALE: NOT TO SCALE


480V
A
B
C
EQUIPMENT GROUNDING CONDUCTOR
DRY TYPE TRANSFORMER
NEUTRAL
SYSTEM BONDING JUMPER
208Y/120V
MAIN BREAKER
PANEL
GROUNDING ELECTRODE CONDUCTOR
N
G
NEAREST GROUNDING ELECTRODE
ISOLATED NEUTRAL TERMINAL
SUPPLY-SIDE BONDING JUMPERS

NOTES: 1. CONDUCTORS AND CONDUITS MUST BE CONCEALED IN FINISHED SPACES AND ON BUILDING EXTERIOR.

5 TRANSFORMER GROUNDING DETAIL
EP101 SCALE: NOT TO SCALE


MAIN PANELBOARD
GROUND BUS
GROUNDING ELECTRODE SYSTEM
UNDERGROUND METAL WATER PIPE
TMGB
#4/0G IN 1-1/4"C
BUILDING STEEL
GROUND RODS
LIGHTNING PROTECTION SYSTEM

NOTES: 1. CONDUCTORS AND CONDUITS MUST BE CONCEALED IN FINISHED SPACES AND ON BUILDING EXTERIOR.

6 GROUNDING ELECTRODE SYSTEM DETAIL
EP101 SCALE: NOT TO SCALE

PANELBOARD SCHEDULE GLB1

Location: HEATED STORAGE 002
Mounting: Surface
Enclosure: Type 1
Volts: 120/208 Wye
Phases: 3
Wires: 4
A.I.C. Rating: 10000
Mains Type: MCB
Mains Rating: 100 A
MCB Rating: 100 A

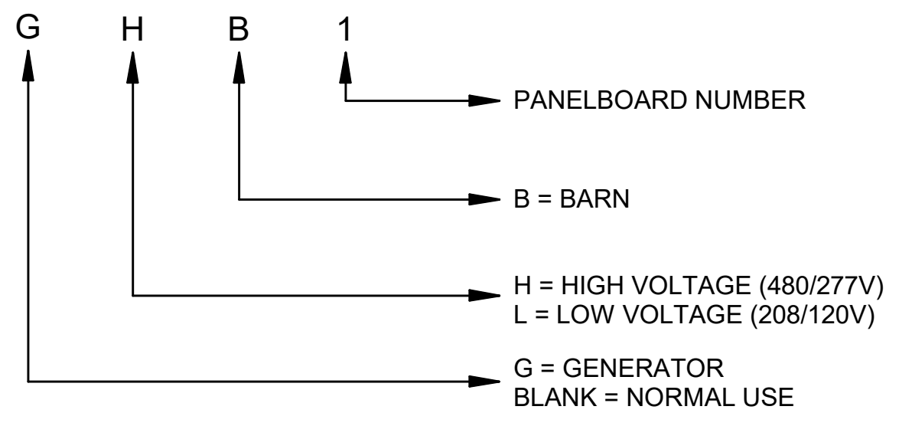
CKT	Circuit Description	Trip	Poles	A	B	C	A	B	C	Poles	Trip	Circuit Description	CKT
1	REC - MAINT 004 NORTH	20 A	1	4.5			3			1	20 A	REC - MAINT 004 SOUTH	2
3	REC - HEATED STOR 002 NE	20 A	1		4.5			4.5		1	20 A	REC - HEATED STOR 002 NW	4
5	REC - HEATED STOR 002 S	20 A	1			4.5			3	1	20 A	REC - HEATED STOR EAST	6
7	REC - BASEMENT EXTERIOR	20 A	1	4.5			4.5			1	20 A	REC - STAND ALONE 101A NW	8
9	REC - STAND ALONE 101A W	20 A	1		3			4.5		1	20 A	REC - STAND ALONE 101A SW	10
11	REC - STAND ALONE 101B SE	20 A	1			4.5			3	1	20 A	REC - STAND ALONE 101B EAST	12
13	REC - STAND ALONE 101B NE	20 A	1	4.5			4.5			1	20 A	REC - FIRST FLR EXTERIOR	14
15	REC - WILDLIFE LAB NORTH WALL	20 A	1		3			3		1	20 A	REC - WILDLIFE LAB NORTH 001	16
17	REC - WILDLIFE LAB SOUTH 001	20 A	1			1.5			6	1	20 A	REC - HOOD	18
19	REC - HOOD	20 A	1	6			1.5			1	20 A	REC - FREEZER	20
21	REC - FRIDGE FREEZER COMBO	20 A	1		12			3		1	20 A	REC - WILDLIFE LAB SOUTHEAST	22
23	REC - WILDLIFE LAB EAST	20 A	1			3			3	1	20 A	REC -WILDLIFE LAB 001 EAST	24
25	REC - LIGHT AND CORD REEL	20 A	1	1.5			22			2	30 A	WH-1	26
27	REC - IT RACK QUAD	20 A	1		12			22		--	--	--	28
29	REC - IT NEMA 5-30	30 A	1			24			16	2	30 A	AC-1/CU-1	30
4 31	ELECTRIC WATER COOLER	15 A	1	3			16			--	--	--	32
33													34
35													36
37													38
39													40
41													42
			Total Load:	8272 VA	8230 VA	7960 VA							
			Total Amps:	69.3	68.9	66.3							

PANELBOARD SCHEDULE GHB1

Location: HEATED STORAGE 002
Mounting: Surface
Enclosure: Type 1
Volts: 480/277 Wye
Phases: 3
Wires: 4
A.I.C. Rating: 14000
Mains Type: MCB
Mains Rating: 200 A
MCB Rating: 200 A

CKT	Circuit Description	Trip	Poles	A	B	C	A	B	C	Poles	Trip	Circuit Description	CKT
1	TB	20 A	3	30			0			3	20 A	WALK IN FREEZER (FUTURE)	2
3	--	--	--		29.9			0		--	--	--	4
5	--	--	--			28.7			0	--	--	--	6
7	LTG - BARN	20 A	1	1.8			9			3	15 A	EUH-1	8
9								9		--	--	--	10
11									9	--	--	--	12
13							9			3	15 A	EUH-2	14
15								9		--	--	--	16
17									9	--	--	--	18
19							9			3	15 A	EUH-3	20
21								9		--	--	--	22
23									9	--	--	--	24
25							9			3	15 A	EUH-4	26
27								9		--	--	--	28
29									9	--	--	--	30
31							6.5			3	15 A	ERV-1	32
33								6.5		--	--	--	34
35									6.5	--	--	--	36
37													38
39													40
41													42
			Total Load:	20487 VA	19948 VA	19678 VA							
			Total Amps:	74.1	72.2	71							

PANELBOARD DESIGNATIONS

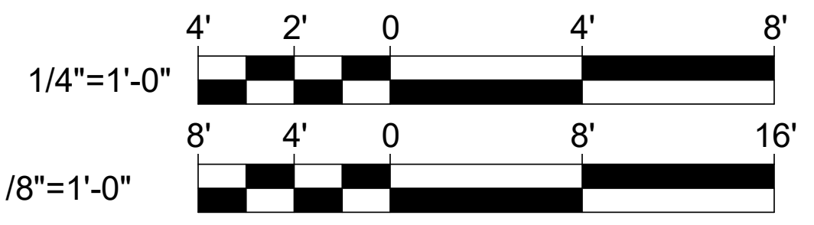


1 → PANELBOARD NUMBER
B → B = BARN
H → H = HIGH VOLTAGE (480/277V)
L = LOW VOLTAGE (208/120V)
G → G = GENERATOR
BLANK = NORMAL USE

TRANSFORMER SCHEDULE

TAG	KVA	VOLTS
-	-	480△- 208Y/120

GRAPHIC SCALES



CHECK GRAPHIC SCALES BEFORE USING

NO.	DATE	DESCRIPTION	BY
1	03/06/25	ADDENDUM NO.5	DCL

REVISIONS

STATE OF MAINE
DALE C. LINCOLN, II
No. 10443
1/28/25
LICENSED PROFESSIONAL ENGINEER

DRAWN BY: BPD
CHECK BY: DCL
NO.
DATE 01/29/2025

DEPARTMENT OF INLAND FISHERIES & WILDLIFE
TITLE STORAGE BARN
LOCATION AUGUSTA, ME
TITLE THIS DWG. BASEMENT, FIRST FLOOR, AND CUPOLA ELECTRICAL FLOOR PLANS

OAK POINT ASSOCIATES
ARCHITECTURE ■ ENGINEERING ■ PLANNING
231 Main Street, Biddeford, Maine 04005 207.283.0193

DRAWING NO. EP101
SHEET NO. 45 OF 48

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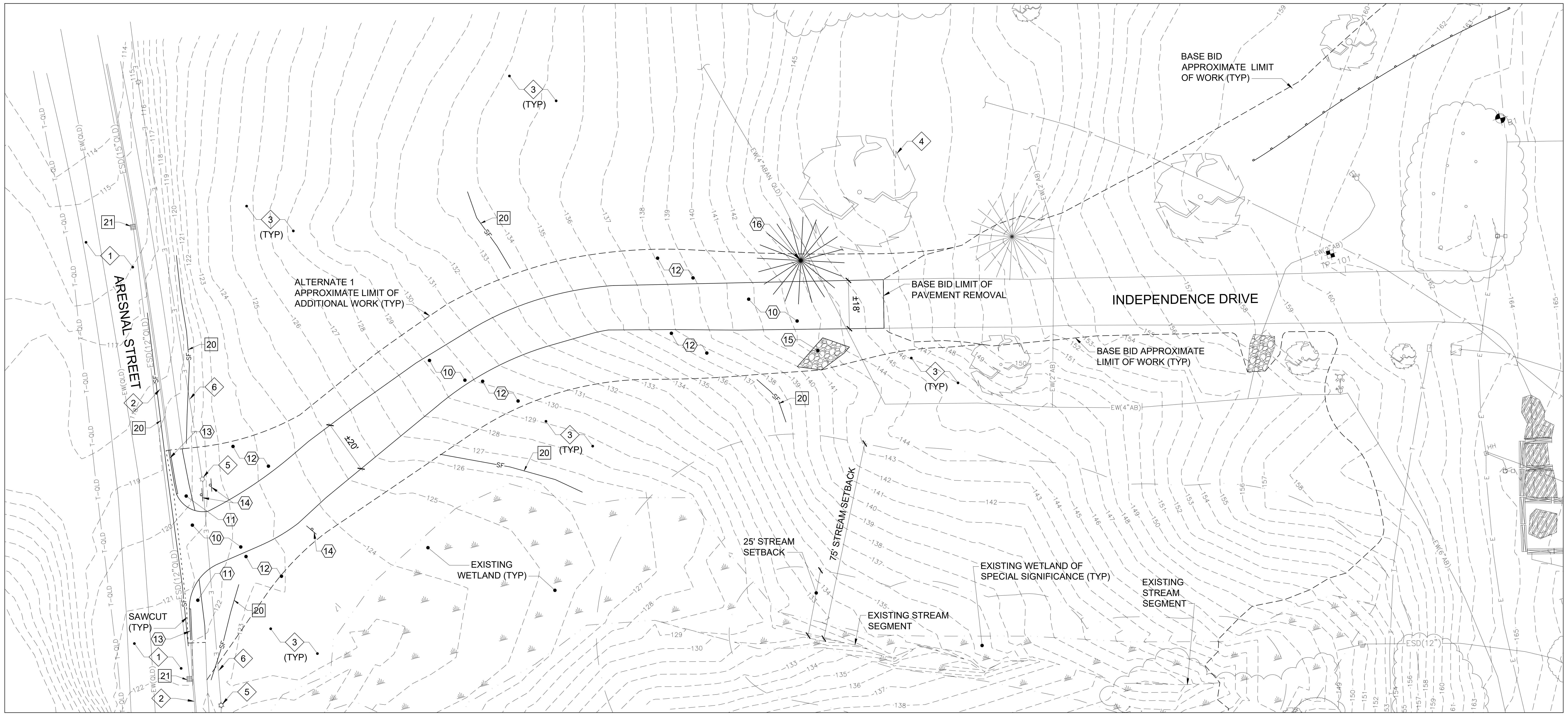
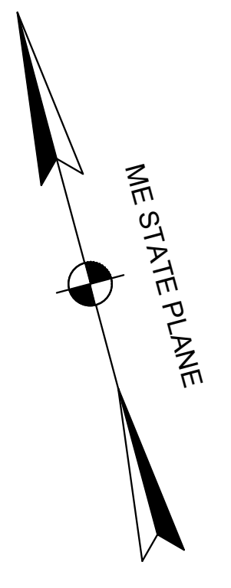
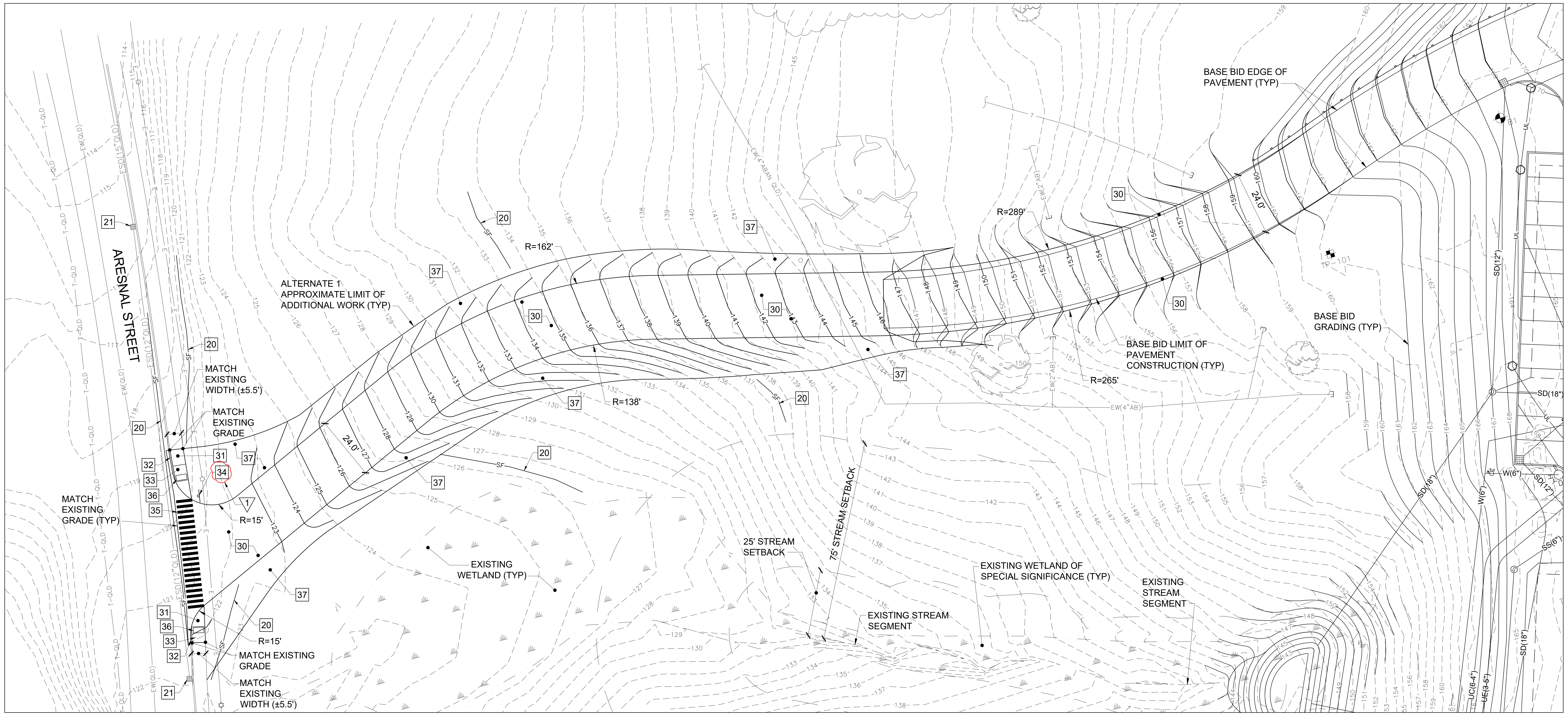

ARESNAL STREET
INDEPENDENCE DRIVE
BASE BID APPROXIMATE LIMIT OF WORK (TYP)
ALTERNATE 1 APPROXIMATE LIMIT OF ADDITIONAL WORK (TYP)
BASE BID LIMIT OF PAVEMENT REMOVAL
±18'
±20'
(TYP)
SAWCUT (TYP)
25' STREAM SETBACK
75' STREAM SETBACK
EXISTING WETLAND (TYP)
EXISTING WETLAND OF SPECIAL SIGNIFICANCE (TYP)
EXISTING STREAM SEGMENT
SF
EW(4"AB)

1 INDEPENDENCE DRIVE REPAIRS (ALTERNATE 1) – EXISTING CONDITIONS/REMOVALS PLAN
CS102 SCALE: 1"=20'

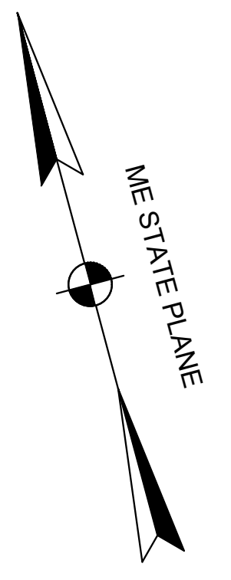


KEYNOTES: (THIS SHEET ONLY).

1 EXISTING ASPHALT CONCRETE PAVEMENT.
2 EXISTING GRANITE CURB.
3 EXISTING TURF.
4 EXISTING TREE.
5 EXISTING LIGHTPOLE. PROTECT DURING CONSTRUCTION.
6 APPROXIMATE LOCATION OF UNDERGROUND LIGHTING LINE. PROTECT DURING CONSTRUCTION.
7 - 9 NOT USED.
10 SAWCUT AND REMOVE EXISTING ASPHALT CONCRETE PAVEMENT, ±4" THICK.
11 SAWCUT AND REMOVE EXISTING ASPHALT CONCRETE SIDEWALK, ±2" THICK.
12 STRIP EXISTING TURF/MEADOW AND STOCKPILE TOPSOIL, ±4" THICK.
13 REMOVE EXISTING GRANITE CURB AT NEAREST JOINT.
14 REMOVE EXISTING SIGN ON METAL POST. SALVAGE ROAD NAME SIGN FOR REINSTALLATION.
15 REMOVE EXISTING RIPRAP.
16 REMOVE EXISTING TREE/SHRUB AND GRUB OUT STUMP.
17 - 19 NOT USED.
20 SEDIMENT CONTROL - SILT FENCE, EROSION CONTROL MIX BERM OR SEDIMENT CONTROL WATTLE. SEE DETAILS 1-3/C-501
21 CATCH BASIN INLET PROTECTION. SEE DETAIL 1/C-502
22 - 29 NOT USED THIS SHEET.
30 HEAVY DUTY ASPHALT CONCRETE PAVEMENT. SEE DETAIL 2/C-503
31 ASPHALT CONCRETE SIDEWALK. SEE DETAIL 3/C-503
32 VERTICAL GRANITE CURB. PROVIDE TIPDOWN WHERE INDICATED. SEE DETAIL 7/C-503
33 ACCESSIBLE CURB CUT. SEE DETAIL 1/C-504
34 STOP SIGN ON GALVANIZED STEEL ROUND SIGN POST (± 2-3/8" DIAMETER). REINSTALL EXISTING STREET SIGN ON TOP OF SIGN POST. SEE DETAIL 8/C-504 (SIM)
35 CROSSWALK. SEE DETAIL 4/C-504
36 DETECTABLE WARNING PANEL. SEE DETAIL 2/C-504
37 6" PLANTING SOIL, FERTILIZER, TURFGRASS (SEED) AND MULCH (ALL DISTURBED AREAS UNLESS INDICATED OTHERWISE).


ARESNAL STREET
BASE BID EDGE OF PAVEMENT (TYP)
ALTERNATE 1 APPROXIMATE LIMIT OF ADDITIONAL WORK (TYP)
BASE BID LIMIT OF PAVEMENT CONSTRUCTION (TYP)
BASE BID GRADING (TYP)
R=162'
R=289'
R=138'
R=265'
R=15'
24.0'
MATCH EXISTING WIDTH (±5.5')
MATCH EXISTING GRADE
MATCH EXISTING GRADE (TYP)
25' STREAM SETBACK
75' STREAM SETBACK
EXISTING WETLAND (TYP)
EXISTING WETLAND OF SPECIAL SIGNIFICANCE (TYP)
EXISTING STREAM SEGMENT
SD(12")
SD(18")
W(6")
SS(6")

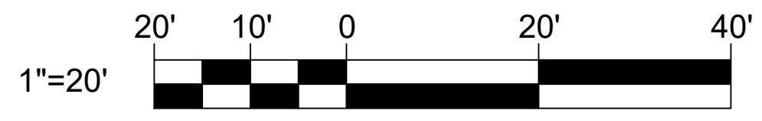
1 INDEPENDENCE DRIVE REPAIRS (ALTERNATE 1) – SITE/GRADING, DRAINAGE AND EROSION CONTROL PLAN
CS102 SCALE: 1"=20'



NOTES:

1. WORK SHOWN ON THIS SHEET IS FOR ALTERNATE 1 ONLY. REFER TO SHEETS CD101, CS101, CU101, CU102, CL101 AND CG102 FOR SITEWORK INCLUDED IN THE BASE BID.
2. SEE SHEET C-201 FOR ADDITIONAL ROADWAY LAYOUT INFORMATION.

GRAPHIC SCALE



CHECK GRAPHIC SCALE BEFORE USING

NO.	DATE	DESCRIPTION	BY
1	03/06/25	ADDENDUM 5	JSD

REVISIONS

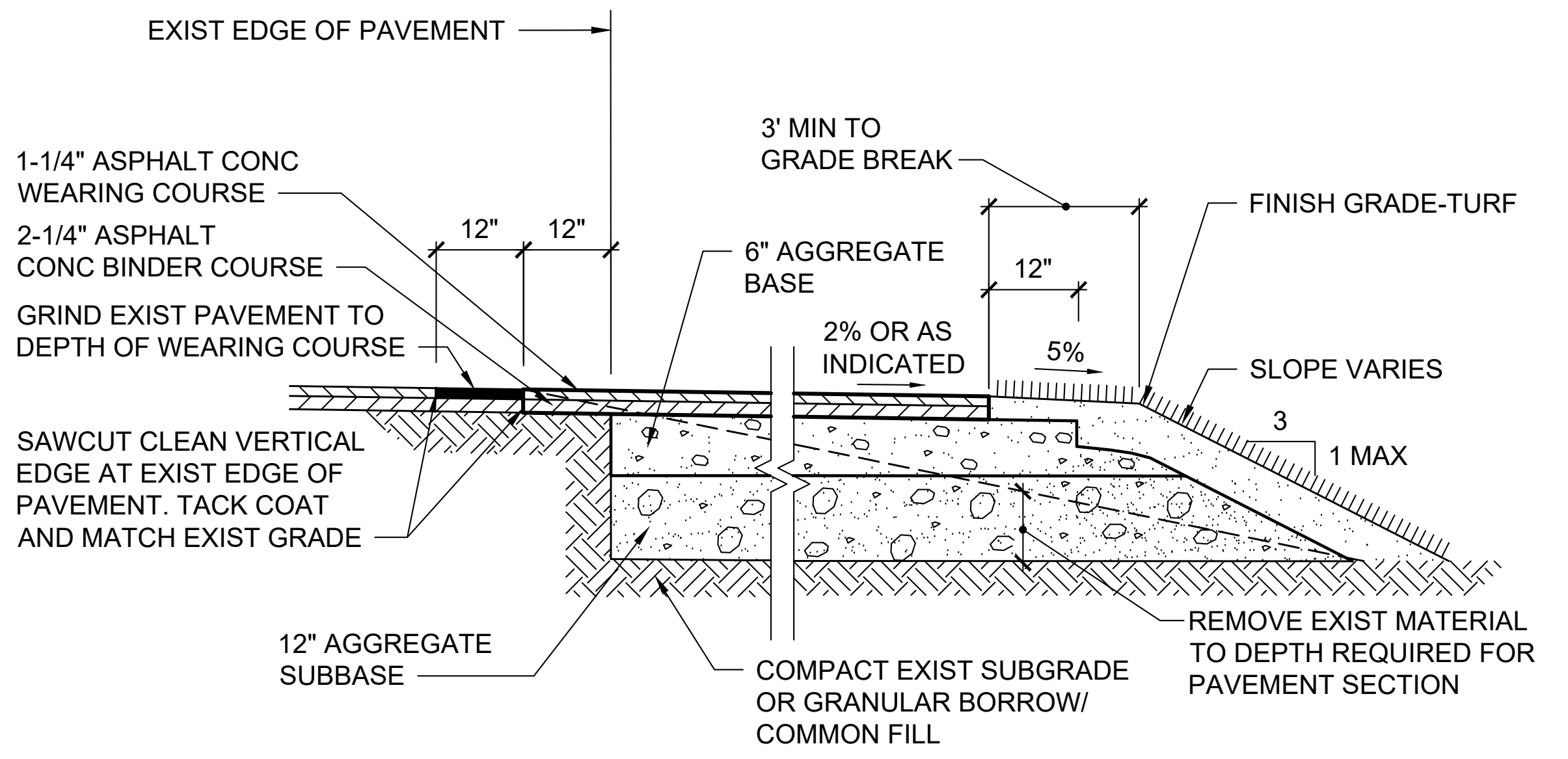
JONAH DeWATERS No. 12273

DEPARTMENT OF INLAND FISHERIES & WILDLIFE
TITLE NEW OFFICE HEADQUARTERS
LOCATION AUGUSTA, MAINE
TITLE THIS DWG.
INDEPENDENCE DRIVE REPAIRS
ALTERNATE 1

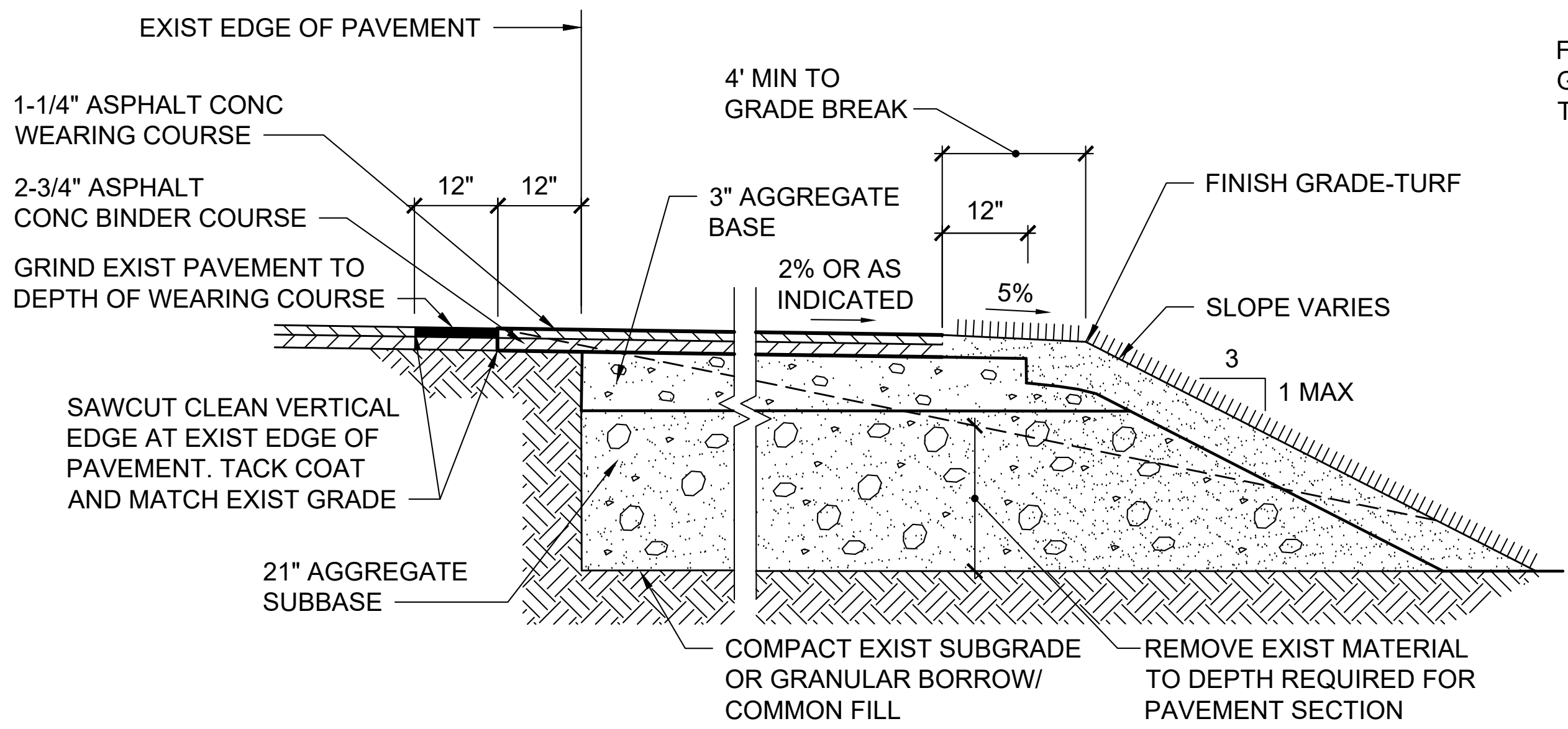
DRAWN BY: JSD
CHECK BY: SES
NO.
DATE 01/29/2025

OAK POINT ASSOCIATES
ARCHITECTURE ■ ENGINEERING ■ PLANNING
231 Main Street, Biddeford, Maine 04005 207.283.0193

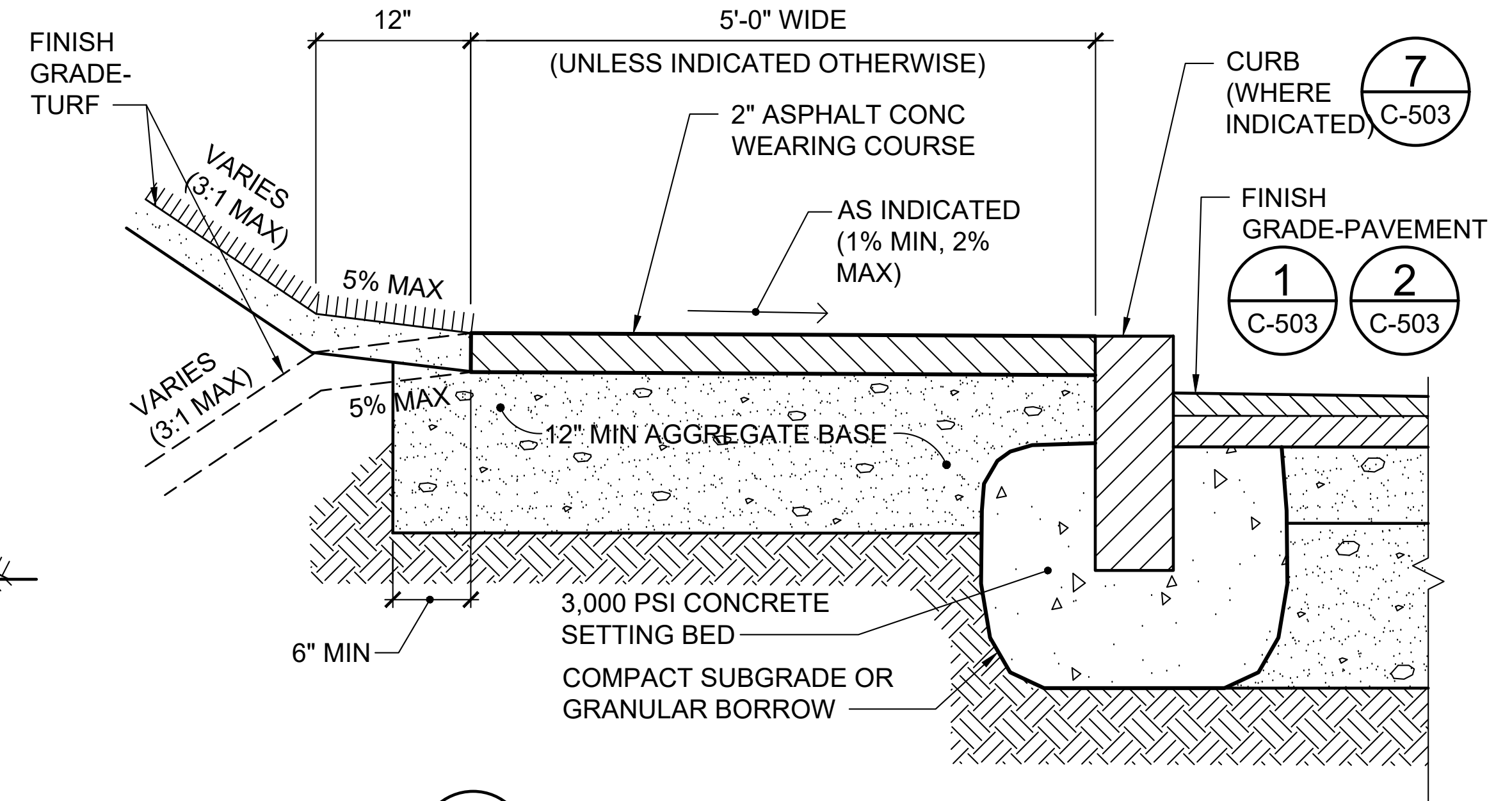
DRAWING NO. CS102
SHEET NO. 24 OF 239


EXIST EDGE OF PAVEMENT
1-1/4" ASPHALT CONC WEARING COURSE
2-1/4" ASPHALT CONC BINDER COURSE
GRIND EXIST PAVEMENT TO DEPTH OF WEARING COURSE
SAWCUT CLEAN VERTICAL EDGE AT EXIST EDGE OF PAVEMENT. TACK COAT AND MATCH EXIST GRADE
12" AGGREGATE SUBBASE
12"
12"
3' MIN TO GRADE BREAK
6" AGGREGATE BASE
2% OR AS INDICATED
12"
5%
FINISH GRADE-TURF
SLOPE VARIES
3
1 MAX
COMPACT EXIST SUBGRADE OR GRANULAR BORROW/ COMMON FILL
REMOVE EXIST MATERIAL TO DEPTH REQUIRED FOR PAVEMENT SECTION

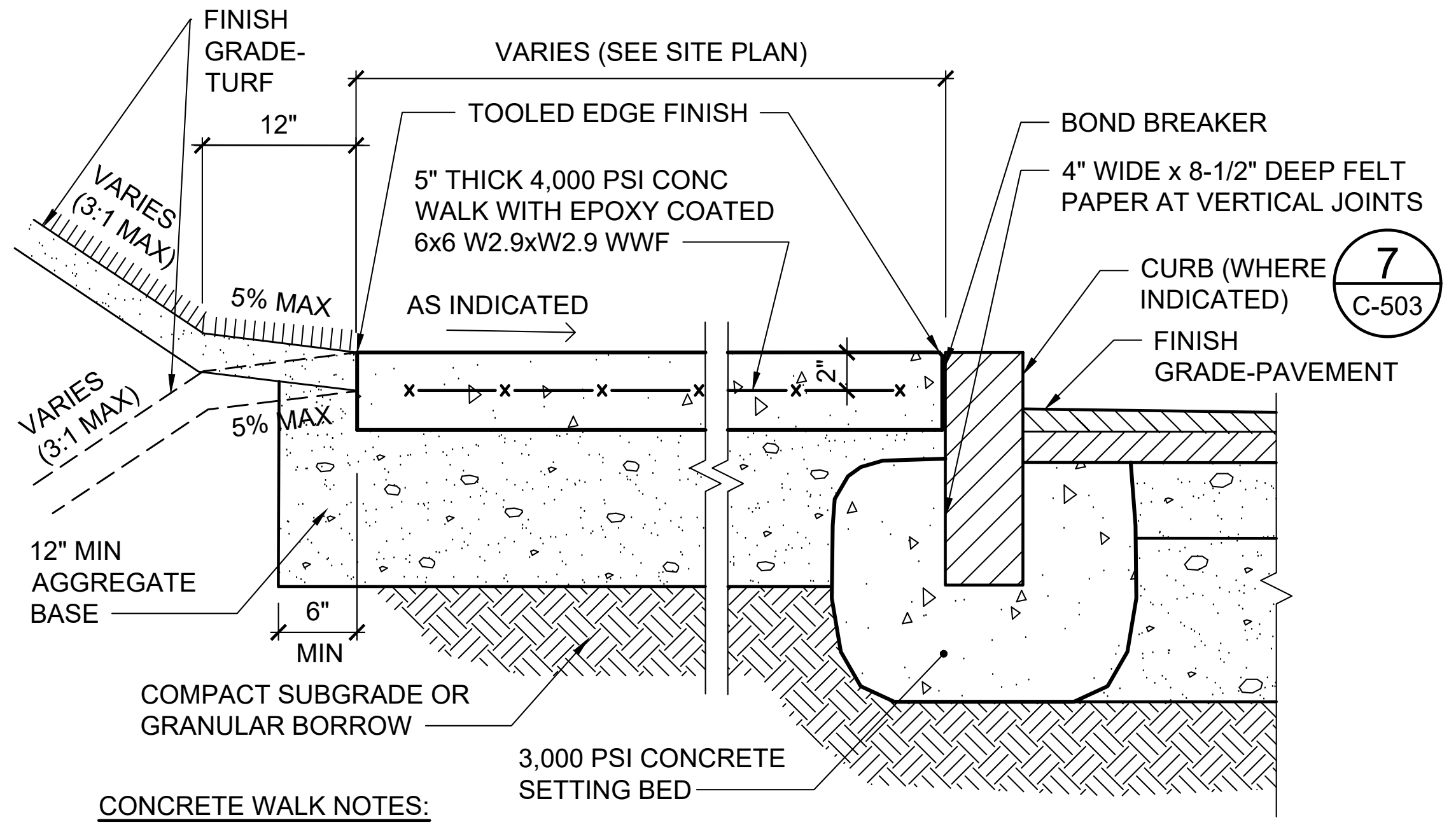
1 C-503 TYPICAL PAVEMENT SECTION (STANDARD DUTY)
NOT TO SCALE
CS101,C-503,C-504,C-506,C-507


EXIST EDGE OF PAVEMENT
1-1/4" ASPHALT CONC WEARING COURSE
2-3/4" ASPHALT CONC BINDER COURSE
GRIND EXIST PAVEMENT TO DEPTH OF WEARING COURSE
SAWCUT CLEAN VERTICAL EDGE AT EXIST EDGE OF PAVEMENT. TACK COAT AND MATCH EXIST GRADE
21" AGGREGATE SUBBASE
12"
12"
4' MIN TO GRADE BREAK
3" AGGREGATE BASE
2% OR AS INDICATED
12"
5%
FINISH GRADE-TURF
SLOPE VARIES
3
1 MAX
COMPACT EXIST SUBGRADE OR GRANULAR BORROW/ COMMON FILL
REMOVE EXIST MATERIAL TO DEPTH REQUIRED FOR PAVEMENT SECTION

2 C-503 TYPICAL PAVEMENT SECTION (HEAVY DUTY)
NOT TO SCALE
CS101,CS102,C-503,C-506,C-507


FINISH GRADE-TURF
12"
5'-0" WIDE (UNLESS INDICATED OTHERWISE)
2" ASPHALT CONC WEARING COURSE
AS INDICATED (1% MIN, 2% MAX)
CURB (WHERE INDICATED) 7 C-503
FINISH GRADE-PAVEMENT 1 C-503 2 C-503
VARIES (3:1 MAX)
5% MAX
VARIES (3:1 MAX)
5% MAX
12" MIN AGGREGATE BASE
6" MIN
3,000 PSI CONCRETE SETTING BED
COMPACT SUBGRADE OR GRANULAR BORROW

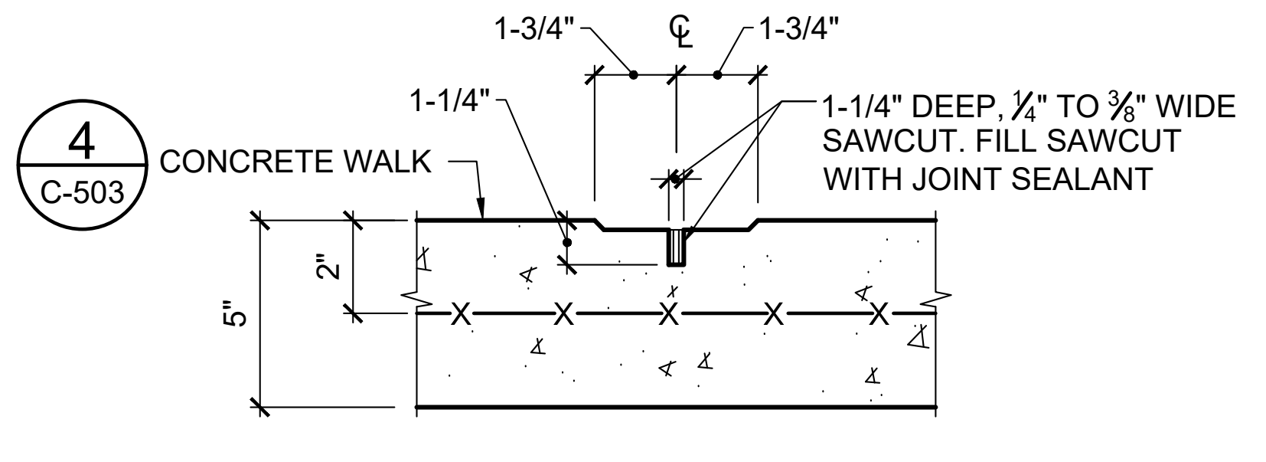
3 C-503 TYP ASPHALT CONCRETE SIDEWALK SECTION
NOT TO SCALE
CS101,CS102,C-503,C-504,C-505,C-507


FINISH GRADE-TURF
12"
VARIES (SEE SITE PLAN)
TOOLED EDGE FINISH
BOND BREAKER
5" THICK 4,000 PSI CONC WALK WITH EPOXY COATED 6x6 W2.9xW2.9 WWF
4" WIDE x 8-1/2" DEEP FELT PAPER AT VERTICAL JOINTS
VARIES (3:1 MAX)
5% MAX
AS INDICATED
CURB (WHERE INDICATED) 7 C-503
FINISH GRADE-PAVEMENT
VARIES (3:1 MAX)
5% MAX
12" MIN AGGREGATE BASE
6" MIN
COMPACT SUBGRADE OR GRANULAR BORROW
3,000 PSI CONCRETE SETTING BED

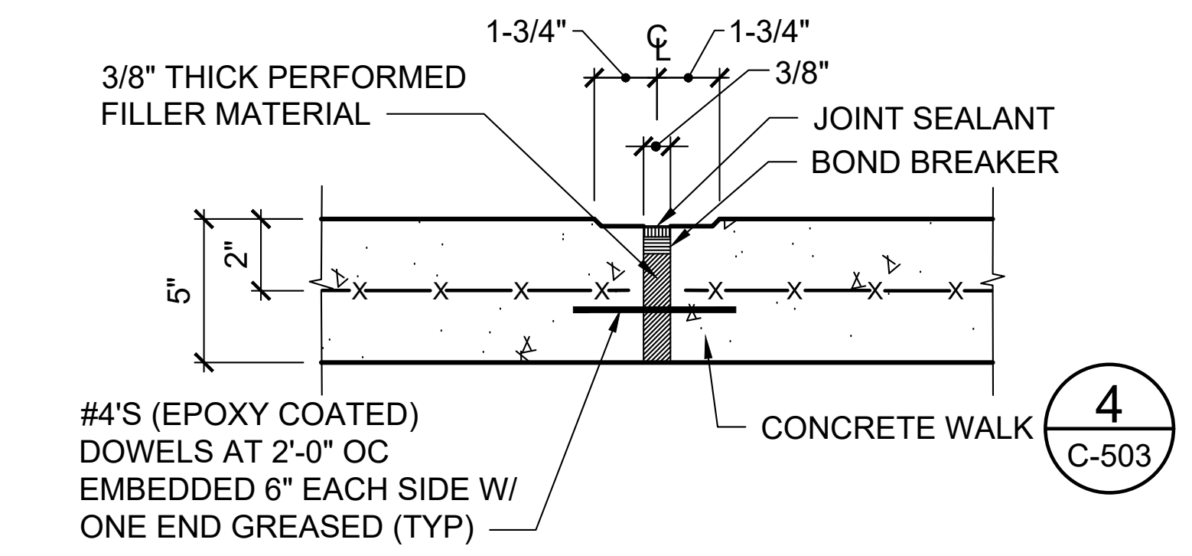
CONCRETE WALK NOTES:

1. PROVIDE MEDIUM BROOM FINISH PERPENDICULAR TO DIRECTION OF TRAVEL.
2. PROVIDE CONTROL JOINTS AT 5'-0" TO 6'-0" ON CENTER, EQUALLY SPACED, UNLESS INDICATED OTHERWISE, AND AT ALL EDGES. 5 C-503
3. PROVIDE EXPANSION JOINTS IN CONCRETE AT THE FOLLOWING:
   a. AT 25'-35' ON CENTER EQUALLY SPACED UNLESS INDICATED OTHERWISE 6 C-503
   b. AT JOINT BETWEEN SIDEWALK AND STOOP
   c. WHERE INDICATED.
4. PROVIDE 1/2" PREFORMED FILLER AND JOINT SEALANT WHERE WALK ABUTS THE BUILDING, CURBING, CANOPY COLUMNS, EXISTING REINFORCED CONCRETE SIDEWALKS, DRAINAGE STRUCTURES, AND EQUIPMENT PADS.

4 C-503 TYPICAL REINFORCED CONCRETE WALK DETAIL
NOT TO SCALE
CS101,C-503,C-504,C-505,C-507


1-3/4"
℄
1-3/4"
1-1/4"
1-1/4" DEEP, ⅛" TO 3/16" WIDE SAWCUT. FILL SAWCUT WITH JOINT SEALANT
4 C-503 CONCRETE WALK
2"
5"

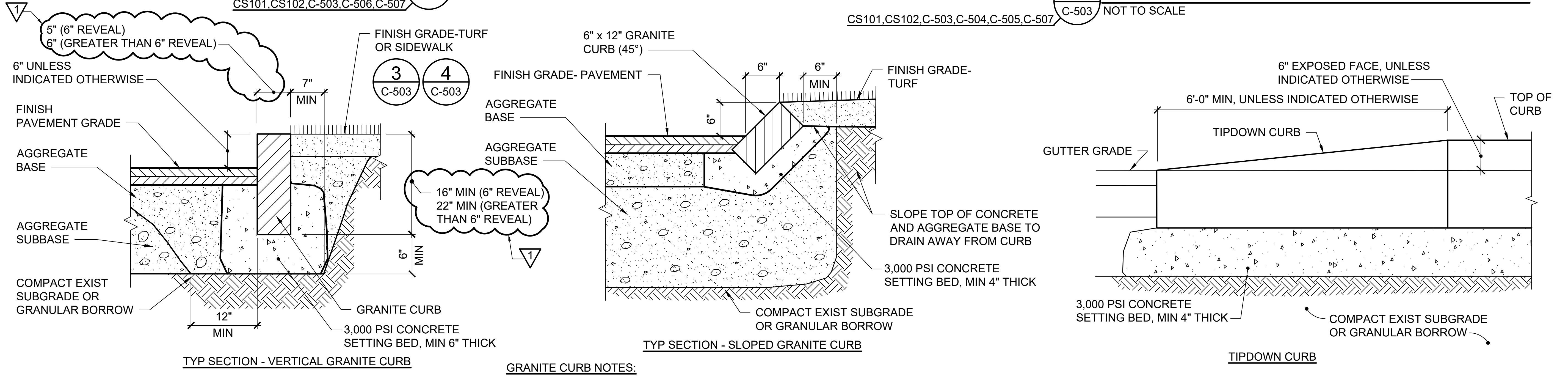
5 C-503 TYP CONTROL JOINT DETAIL
NOT TO SCALE
CS101,C-503,C-504,C-507


1-3/4"
℄
1-3/4"
3/8" THICK PERFORMED FILLER MATERIAL
3/8"
JOINT SEALANT
BOND BREAKER
2"
5"
#4'S (EPOXY COATED) DOWELS AT 2'-0" OC EMBEDDED 6" EACH SIDE W/ ONE END GREASED (TYP)
CONCRETE WALK 4 C-503

EXPANSION JOINT NOTES:

1. TOOLED JOINT SURFACE MUST BE SMOOTH AND AT A CONSTANT DEPTH
2. BREAK REINFORCING AT EXPANSION JOINT.

6 C-503 TYP EXPANSION JOINT DETAIL
NOT TO SCALE
CS101,C-503


1
5" (6" REVEAL)
6" (GREATER THAN 6" REVEAL)
6" UNLESS INDICATED OTHERWISE
7" MIN
FINISH GRADE-TURF OR SIDEWALK
3 C-503 4 C-503
FINISH PAVEMENT GRADE
AGGREGATE BASE
AGGREGATE SUBBASE
16" MIN (6" REVEAL) 22" MIN (GREATER THAN 6" REVEAL)
1
6" MIN
COMPACT EXIST SUBGRADE OR GRANULAR BORROW
12" MIN
GRANITE CURB
3,000 PSI CONCRETE SETTING BED, MIN 6" THICK
6" x 12" GRANITE CURB (45°)
FINISH GRADE- PAVEMENT
AGGREGATE BASE
AGGREGATE SUBBASE
6"
6"
6" MIN
FINISH GRADE-TURF
SLOPE TOP OF CONCRETE AND AGGREGATE BASE TO DRAIN AWAY FROM CURB
3,000 PSI CONCRETE SETTING BED, MIN 4" THICK
COMPACT EXIST SUBGRADE OR GRANULAR BORROW
6" EXPOSED FACE, UNLESS INDICATED OTHERWISE
6'-0" MIN, UNLESS INDICATED OTHERWISE
TOP OF CURB
TIPDOWN CURB
GUTTER GRADE
3,000 PSI CONCRETE SETTING BED, MIN 4" THICK
COMPACT EXIST SUBGRADE OR GRANULAR BORROW

TYP SECTION - VERTICAL GRANITE CURB

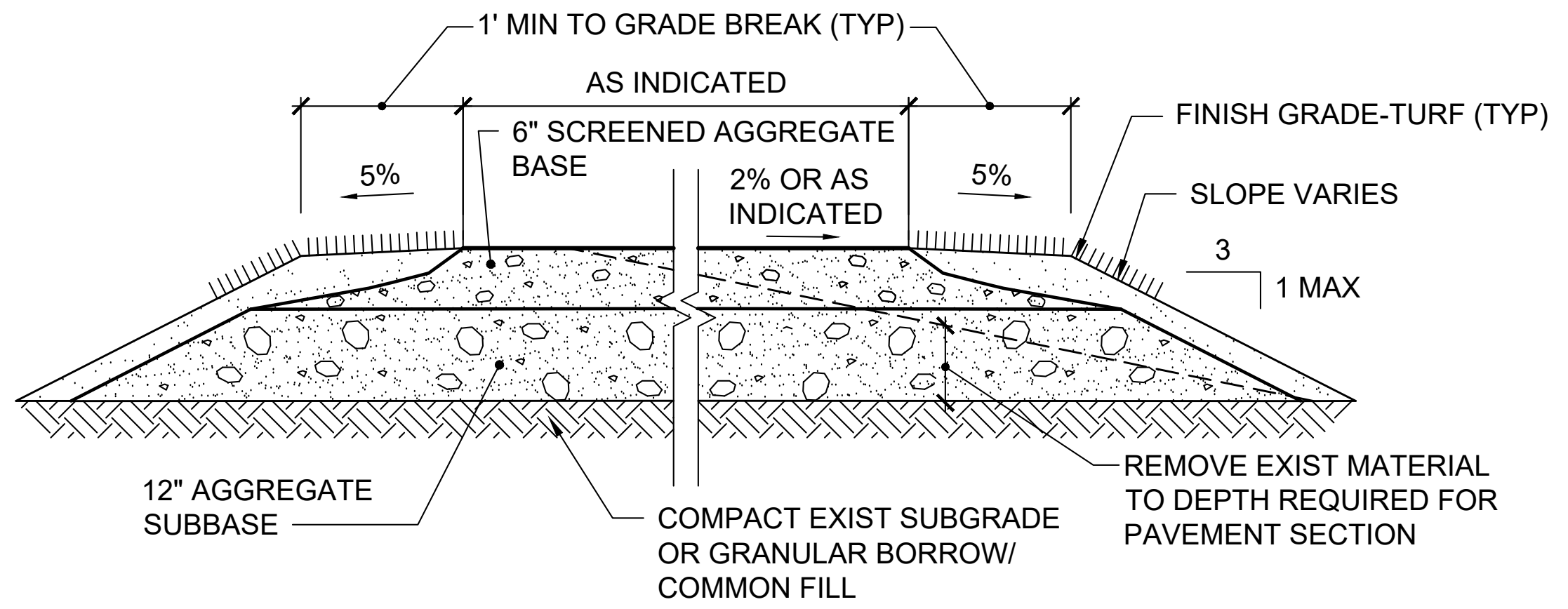
TYP SECTION - SLOPED GRANITE CURB

TIPDOWN CURB

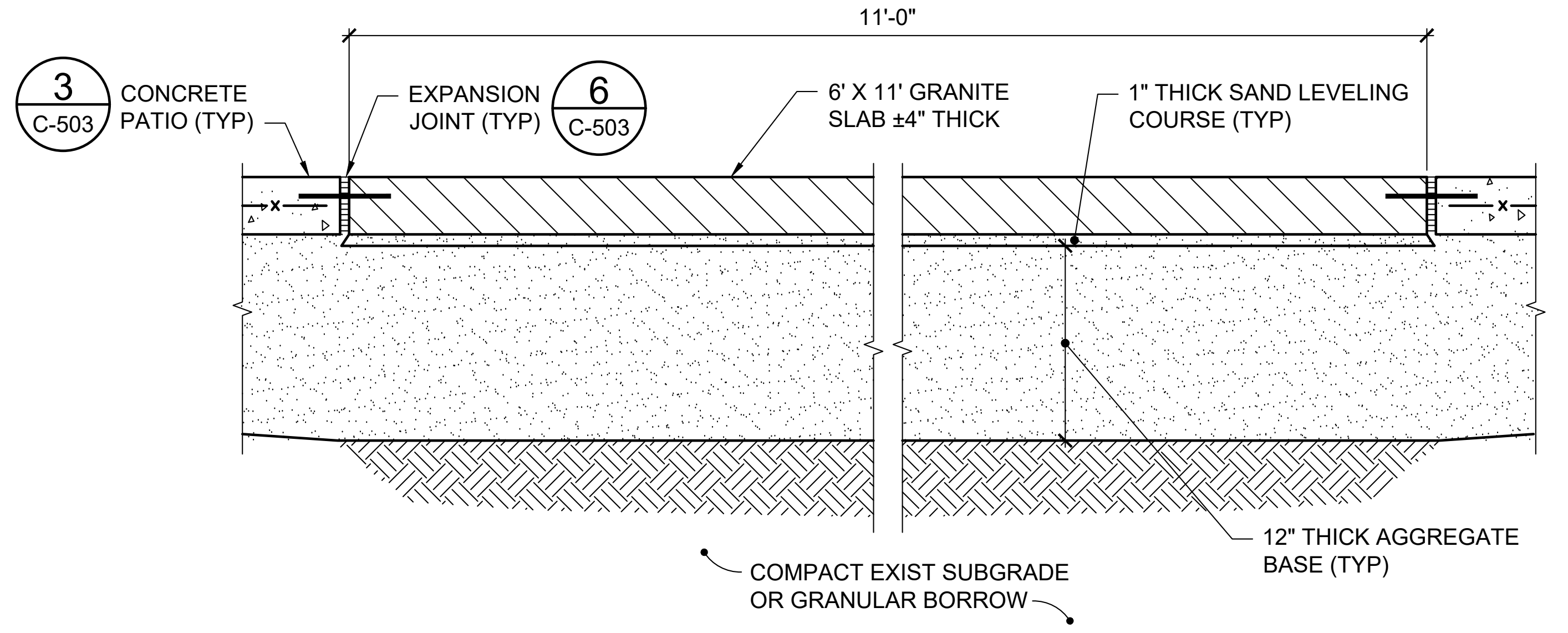
GRANITE CURB NOTES:

1. JOINTS: PROVIDE 4" WIDE x 8-1/2" DEEP FELT PAPER OR FILTER FABRIC AT ALL CURB JOINTS.
2. PROVIDE CURVED SECTIONS OF CURBING FOR ALL CURVES WITH RADII OF 60'-0" OR LESS THAT MATCHES THE RADII OF THE CURVES INDICATED. SEE SHEET CL101 FOR LAYOUT INFORMATION.

7 C-503 TYP GRANITE CURB/TIPDOWN DETAILS
NOT TO SCALE
CS101,CS102,C-503,C-504,C-507,C-508


1' MIN TO GRADE BREAK (TYP)
AS INDICATED
6" SCREENED AGGREGATE BASE
5%
2% OR AS INDICATED
5%
FINISH GRADE-TURF (TYP)
SLOPE VARIES
3
1 MAX
12" AGGREGATE SUBBASE
COMPACT EXIST SUBGRADE OR GRANULAR BORROW/ COMMON FILL
REMOVE EXIST MATERIAL TO DEPTH REQUIRED FOR PAVEMENT SECTION

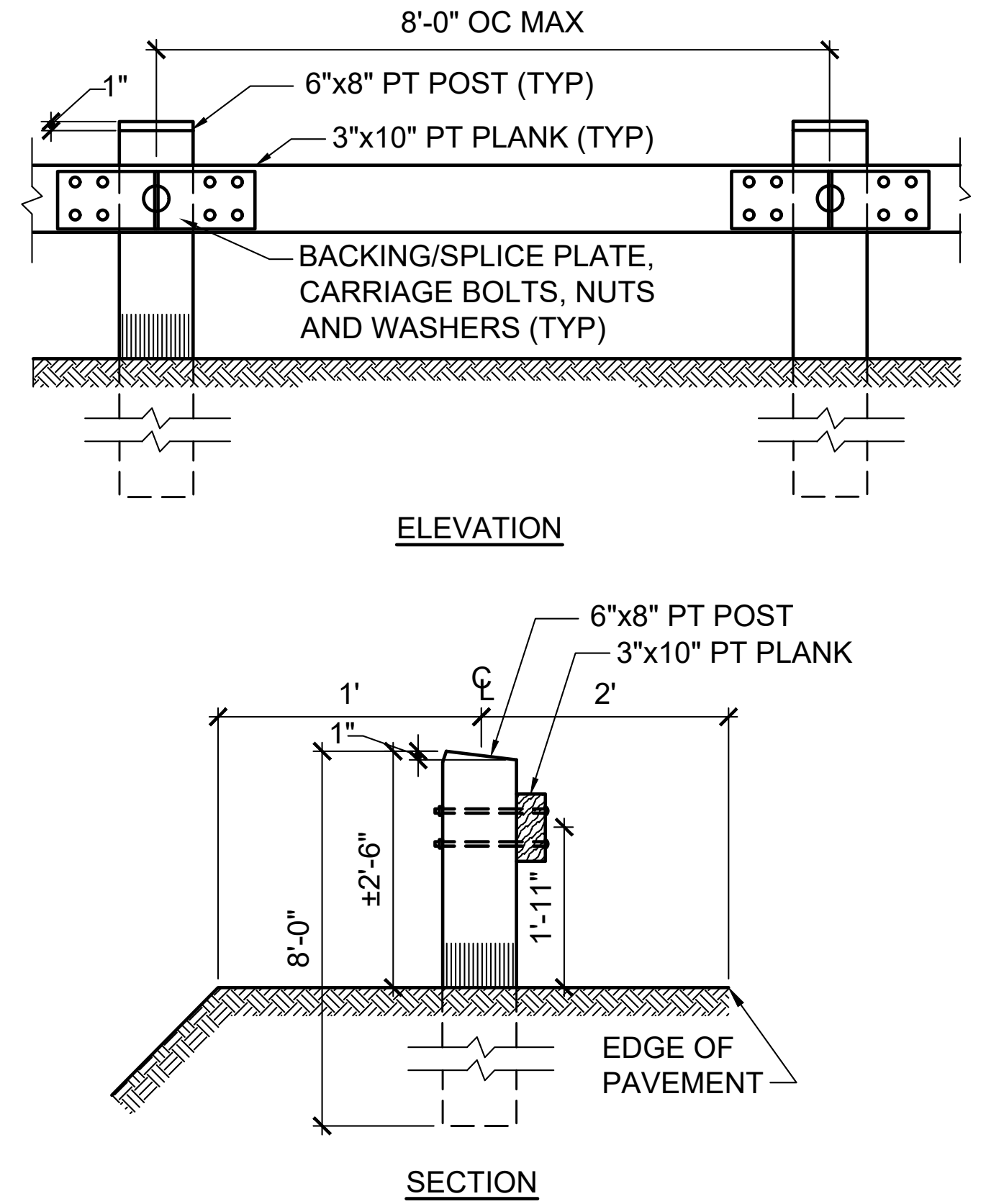
8 C-503 TYP GRAVEL TRAIL SECTION
NOT TO SCALE
CS101


11'-0"
3 C-503 CONCRETE PATIO (TYP)
EXPANSION JOINT (TYP) 6 C-503
6' X 11' GRANITE SLAB ±4" THICK
1" THICK SAND LEVELING COURSE (TYP)
12" THICK AGGREGATE BASE (TYP)
COMPACT EXIST SUBGRADE OR GRANULAR BORROW

GRANITE PAVER NOTES:

1. EXTEND AGGREGATE BASE 6" BEYOND EACH SIDE OF THE GRANITE SLAB. 3 C-503 (SIM)

9 C-503 TYP GRANITE PAVER DETAIL
NOT TO SCALE
CS101



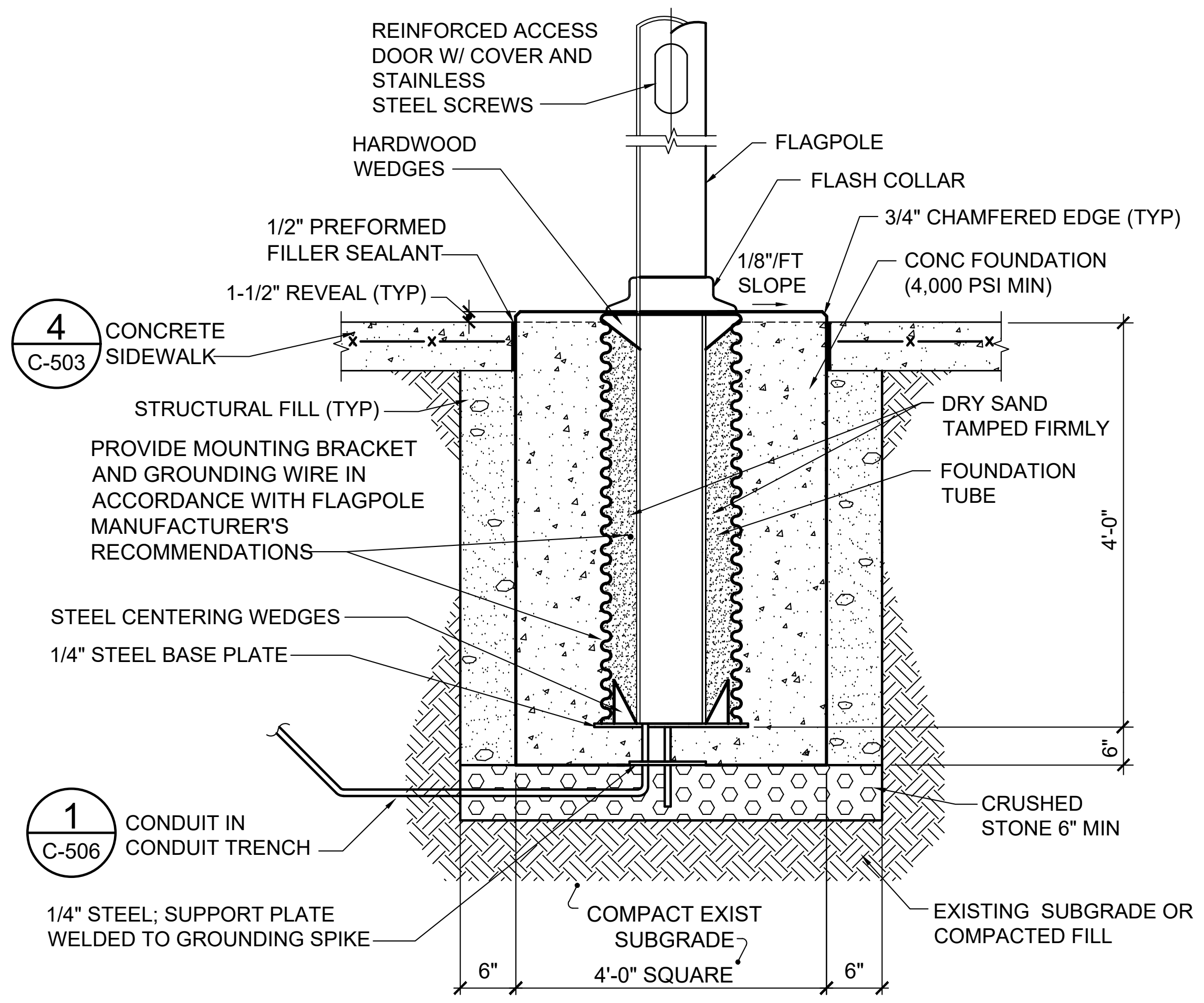
ELEVATION

SECTION

GUARD RAIL NOTES:

1. GUARD RAIL INSTALLATION AND MATERIALS MUST BE IN CONFORMANCE WITH MDOT STANDARD SPECIFICATIONS, SECTION 606.03 AND 710.07, FOR WOOD POSTS.
2. GUARDRAIL LAYOUT IS APPROXIMATE AND BASED ON ONE MANUFACTURER. PROVIDE HARDWARE AND TIMBER IN ACCORDANCE WITH MANUFACTURER'S WRITTEN RECOMMENDATIONS TO BE CRASHWORTHY FOR LOW SPEED ROADWAYS UP TO 45 MILES PER HOUR IN ACCORDANCE WITH TEST LEVEL 2 OF THE NATIONAL COOPERATIVE HIGHWAY RESEARCH PROGRAM REPORT 350.
3. HARDWARE INCLUDING SPLICE PLATES, NUTS, BOLTS AND WASHERS MUST BE WEATHERING STEEL AND CONFORM TO MANUFACTURER'S WRITTEN REQUIREMENTS.

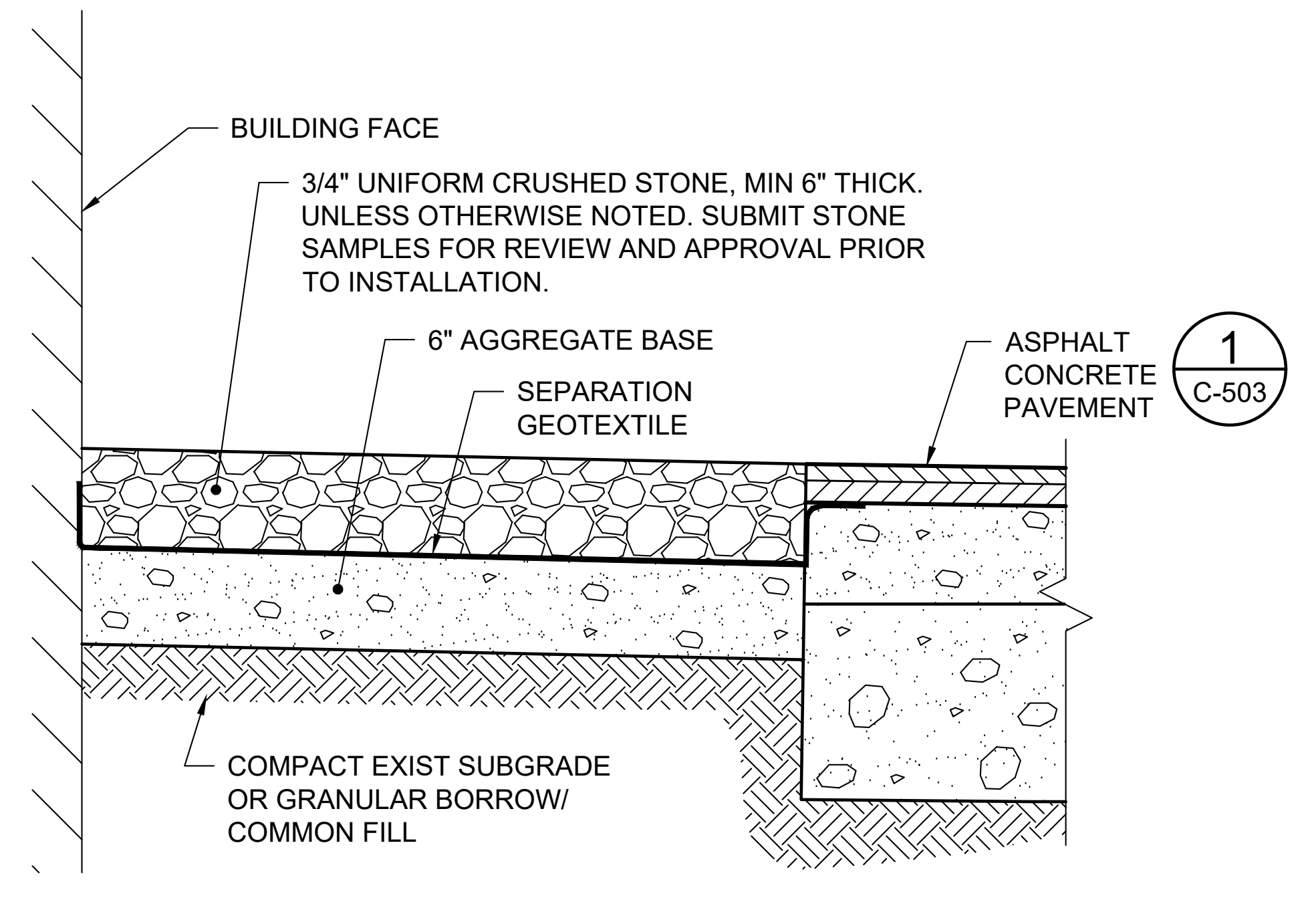
10 C-503 TYP WOOD GUARD RAIL DETAIL
NOT TO SCALE
CS101


REINFORCED ACCESS DOOR W/ COVER AND STAINLESS STEEL SCREWS
FLAGPOLE
HARDWOOD WEDGES
FLASH COLLAR
3/4" CHAMFERED EDGE (TYP)
1/2" PREFORMED FILLER SEALANT
1-1/2" REVEAL (TYP)
1/8"/FT SLOPE
CONC FOUNDATION (4,000 PSI MIN)
4 C-503 CONCRETE SIDEWALK
STRUCTURAL FILL (TYP)
DRY SAND TAMPED FIRMLY
PROVIDE MOUNTING BRACKET AND GROUNDING WIRE IN ACCORDANCE WITH FLAGPOLE MANUFACTURER'S RECOMMENDATIONS
FOUNDATION TUBE
4'-0"
STEEL CENTERING WEDGES
1/4" STEEL BASE PLATE
6"
1 C-506 CONDUIT IN CONDUIT TRENCH
CRUSHED STONE 6" MIN
1/4" STEEL; SUPPORT PLATE WELDED TO GROUNDING SPIKE
COMPACT EXIST SUBGRADE
EXISTING SUBGRADE OR COMPACTED FILL
6"
4'-0" SQUARE
6"

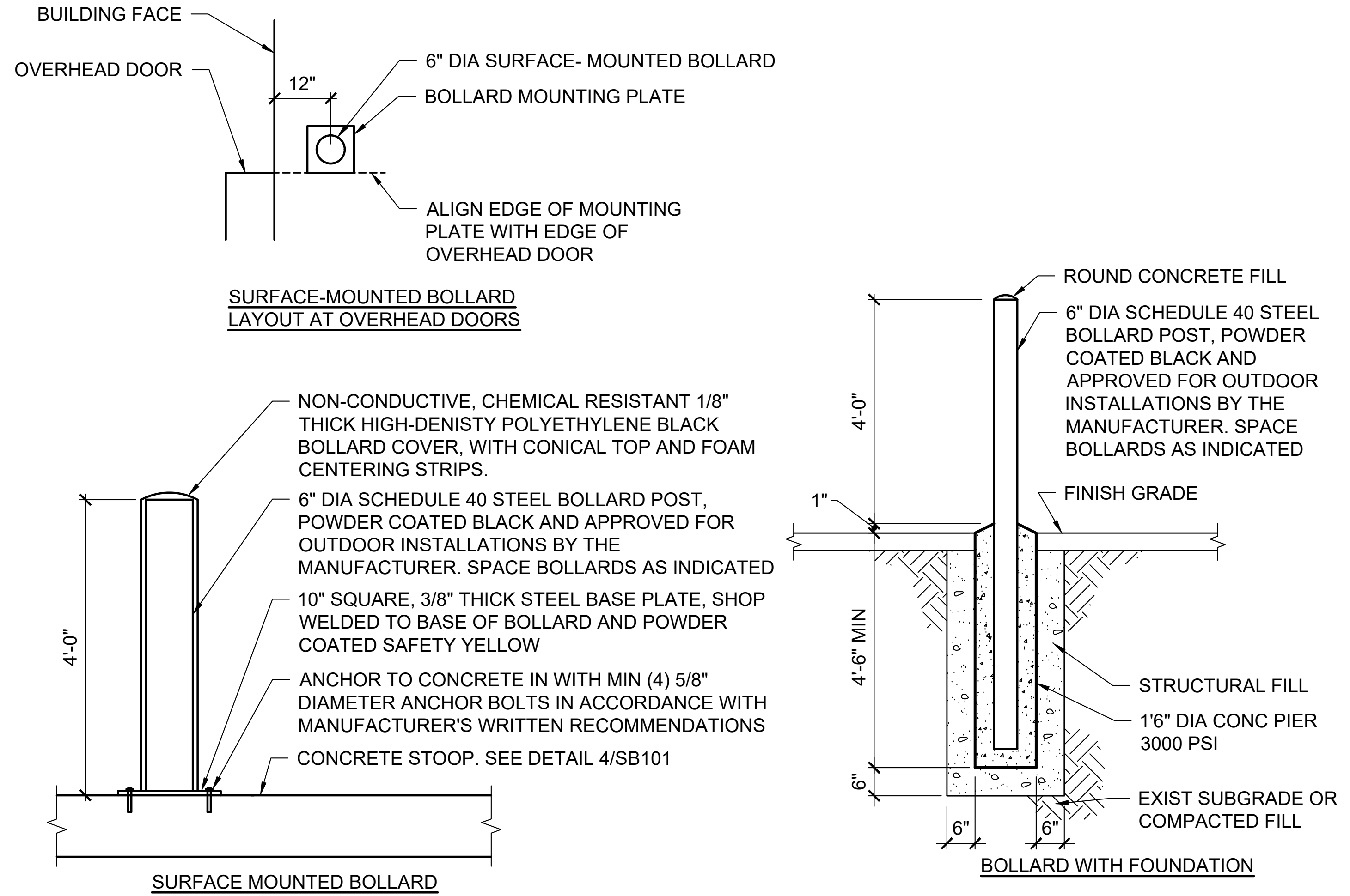
NOTES:

1. PROVIDE FLAG POLE FOUNDATION AND LIGHTING CONDUIT IN ACCORDANCE WITH MANUFACTURER'S WRITTEN RECOMMENDATIONS.
2. DIMENSIONS INDICATED ARE APPROXIMATE. COORDINATE FINAL DIMENSIONS WITH FLAGPOLE MANUFACTURER'S WRITTEN REQUIREMENTS.
3. GROUND FLAGPOLE IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE.

11 C-503 FLAGPOLE FOUNDATION DETAIL
NOT TO SCALE
CS101


BUILDING FACE
3/4" UNIFORM CRUSHED STONE, MIN 6" THICK. UNLESS OTHERWISE NOTED. SUBMIT STONE SAMPLES FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION.
6" AGGREGATE BASE
SEPARATION GEOTEXTILE
ASPHALT CONCRETE PAVEMENT 1 C-503
COMPACT EXIST SUBGRADE OR GRANULAR BORROW/ COMMON FILL

12 C-503 TYP CRUSHED STONE SURFACE DETAIL
NOT TO SCALE
CS101,C-504,LS101


BUILDING FACE
OVERHEAD DOOR
12"
6" DIA SURFACE- MOUNTED BOLLARD
BOLLARD MOUNTING PLATE
ALIGN EDGE OF MOUNTING PLATE WITH EDGE OF OVERHEAD DOOR
NON-CONDUCTIVE, CHEMICAL RESISTANT 1/8" THICK HIGH-DENISTY POLYETHYLENE BLACK BOLLARD COVER, WITH CONICAL TOP AND FOAM CENTERING STRIPS.
6" DIA SCHEDULE 40 STEEL BOLLARD POST, POWDER COATED BLACK AND APPROVED FOR OUTDOOR INSTALLATIONS BY THE MANUFACTURER. SPACE BOLLARDS AS INDICATED
10" SQUARE, 3/8" THICK STEEL BASE PLATE, SHOP WELDED TO BASE OF BOLLARD AND POWDER COATED SAFETY YELLOW
ANCHOR TO CONCRETE IN WITH MIN (4) 5/8" DIAMETER ANCHOR BOLTS IN ACCORDANCE WITH MANUFACTURER'S WRITTEN RECOMMENDATIONS
CONCRETE STOOP. SEE DETAIL 4/SB101
4'-0"
ROUND CONCRETE FILL
6" DIA SCHEDULE 40 STEEL BOLLARD POST, POWDER COATED BLACK AND APPROVED FOR OUTDOOR INSTALLATIONS BY THE MANUFACTURER. SPACE BOLLARDS AS INDICATED
4'-0"
1"
FINISH GRADE
4'-6" MIN
STRUCTURAL FILL
1'6" DIA CONC PIER 3000 PSI
6"
EXIST SUBGRADE OR COMPACTED FILL
6"
6"

SURFACE-MOUNTED BOLLARD LAYOUT AT OVERHEAD DOORS

SURFACE MOUNTED BOLLARD

BOLLARD WITH FOUNDATION

13 C-503 TYP BOLLARD DETAILS
NOT TO SCALE
CS101,C-504,C-506

NO.	DATE	DESCRIPTION	BY
1	03/06/25	ADDENDUM 5	JSD

REVISIONS

JONAH DeWATERS No. 12273

DRAWN BY: JSD
CHECK BY: JSD
NO.
DATE 01/29/2025

DEPARTMENT OF INLAND FISHERIES & WILDLIFE
TITLE NEW OFFICE HEADQUARTERS
LOCATION AUGUSTA, MAINE
TITLE THIS DWG.
SITE DETAILS - 1

OAK POINT ASSOCIATES
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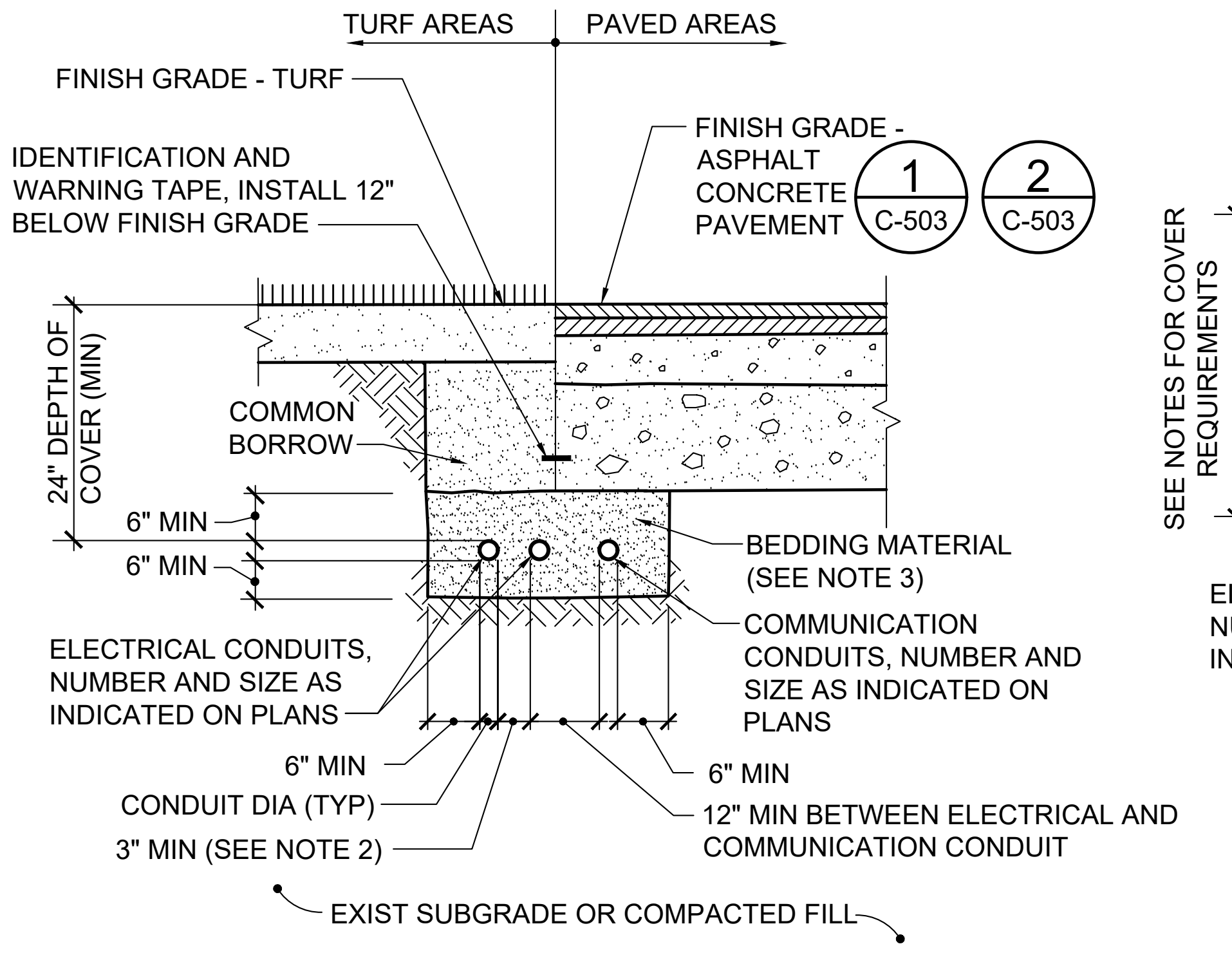
DRAWING NO. C-503
SHEET NO. 33 OF 239



TURF AREAS
PAVED AREAS
FINISH GRADE - TURF
IDENTIFICATION AND WARNING TAPE, INSTALL 12" BELOW FINISH GRADE
FINISH GRADE - ASPHALT CONCRETE PAVEMENT
1 C-503
2 C-503
24" DEPTH OF COVER (MIN)
COMMON BORROW
6" MIN
6" MIN
BEDDING MATERIAL (SEE NOTE 3)
COMMUNICATION CONDUITS, NUMBER AND SIZE AS INDICATED ON PLANS
ELECTRICAL CONDUITS, NUMBER AND SIZE AS INDICATED ON PLANS
6" MIN
CONDUIT DIA (TYP)
3" MIN (SEE NOTE 2)
6" MIN
12" MIN BETWEEN ELECTRICAL AND COMMUNICATION CONDUIT
EXIST SUBGRADE OR COMPACTED FILL

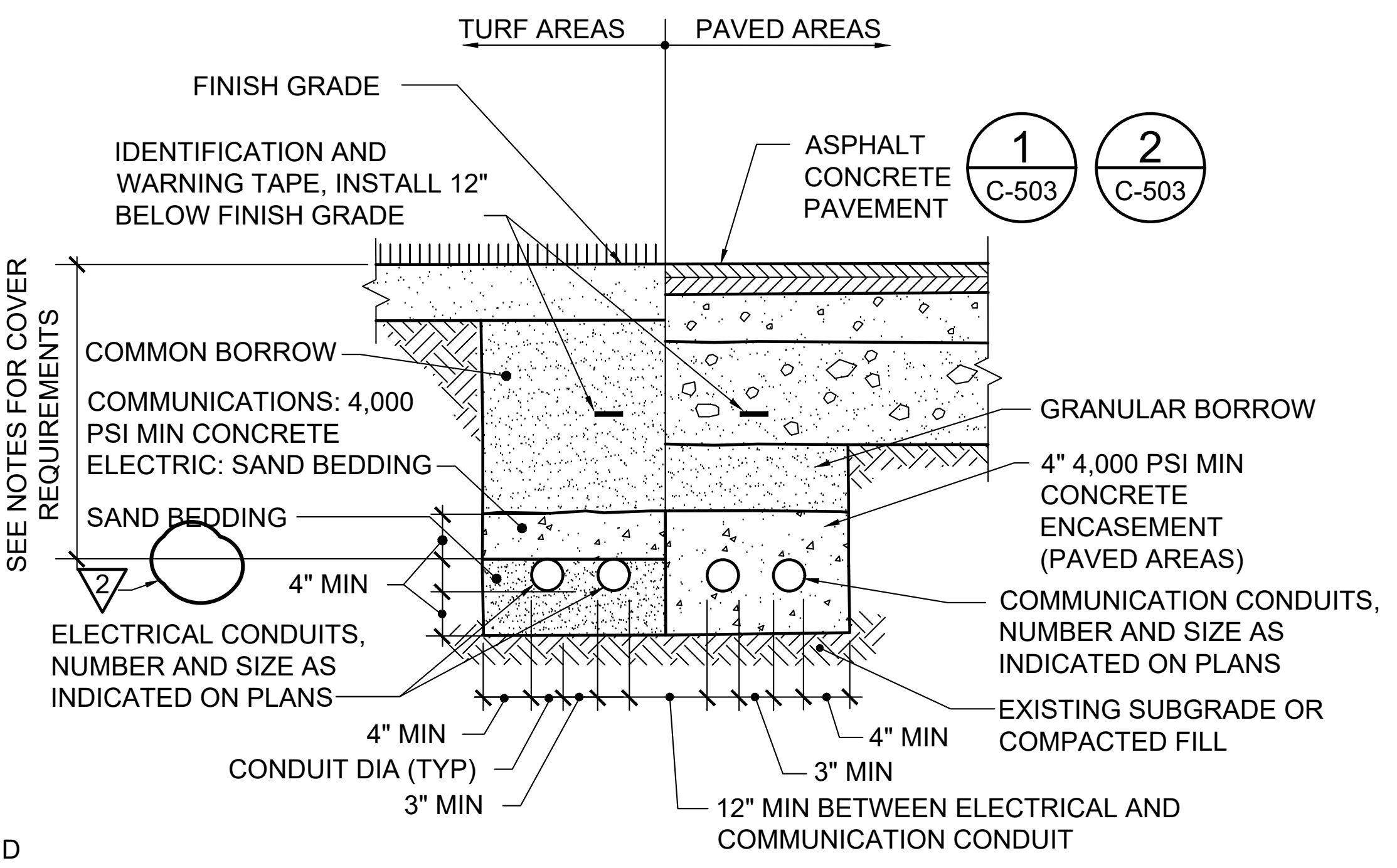
CONDUIT TRENCH NOTE:

VERTICAL CONDUIT BENDS, RISERS, AND ABOVE GRADE CONDUIT MUST BE RIGID GALVANIZED STEEL.

1 C-506 CONDUIT TRENCH DETAIL

NOT TO SCALE

CU101,C-503,C-506



TURF AREAS
PAVED AREAS
FINISH GRADE
IDENTIFICATION AND WARNING TAPE, INSTALL 12" BELOW FINISH GRADE
ASPHALT CONCRETE PAVEMENT
1 C-503
2 C-503
SEE NOTES FOR COVER REQUIREMENTS
COMMON BORROW
COMMUNICATIONS: 4,000 PSI MIN CONCRETE
ELECTRIC: SAND BEDDING
SAND BEDDING
2
4" MIN
ELECTRICAL CONDUITS, NUMBER AND SIZE AS INDICATED ON PLANS
4" MIN
CONDUIT DIA (TYP)
3" MIN
GRANULAR BORROW
4" 4,000 PSI MIN CONCRETE ENCASEMENT (PAVED AREAS)
COMMUNICATION CONDUITS, NUMBER AND SIZE AS INDICATED ON PLANS
EXISTING SUBGRADE OR COMPACTED FILL
4" MIN
3" MIN
12" MIN BETWEEN ELECTRICAL AND COMMUNICATION CONDUIT

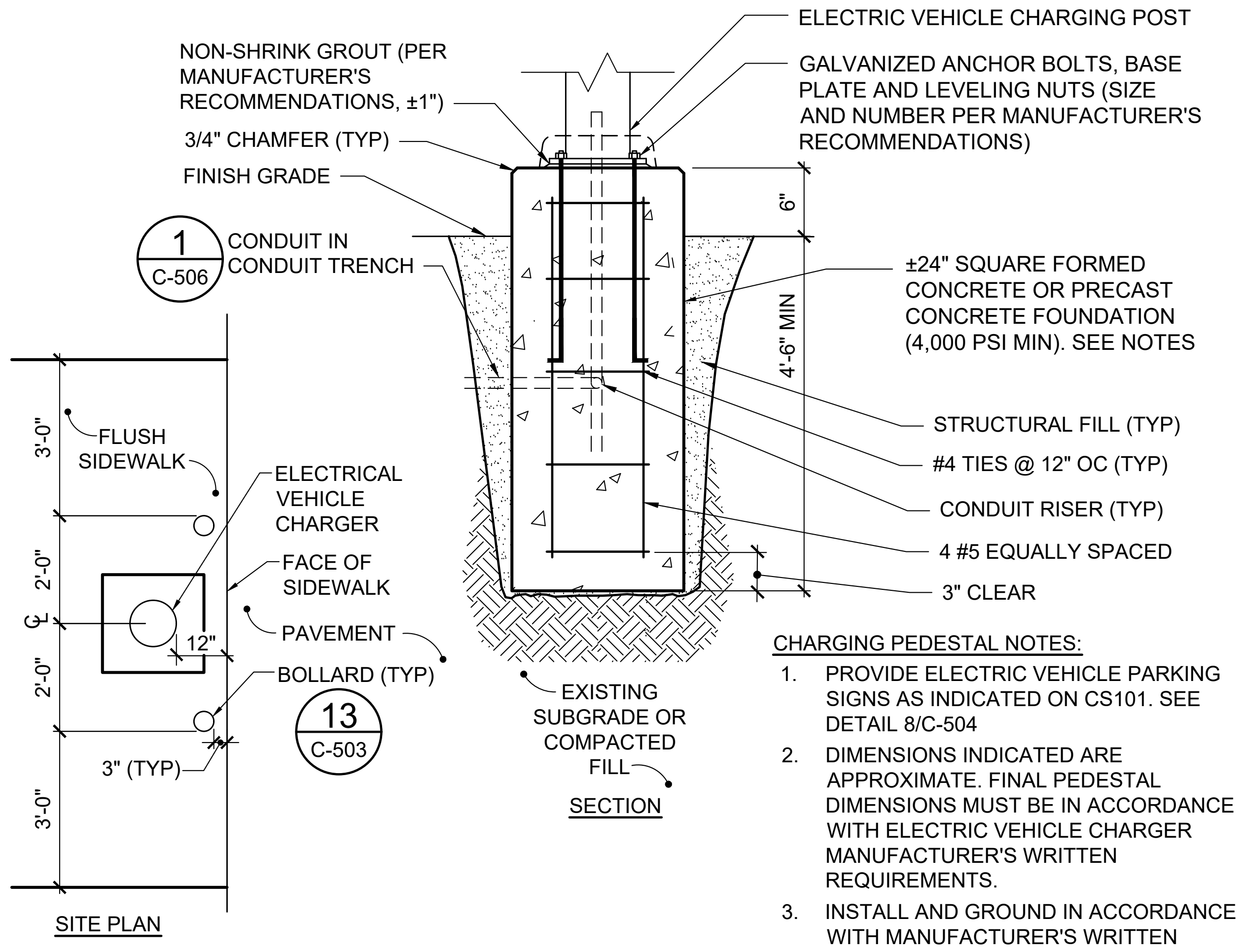
SERVICE LINE TRENCH NOTES:

1. PROVIDE THE FOLLOWING MINIMUM DEPTH OF COVER
   a. TURF AREAS, SIDEWALKS/PEDESTRIAN AREAS AND PARKING LOTS: 30"
   b. WITHIN 4'-0" OF ROADWAYS AND BENEATH ROADWAYS: 36"
2. VERTICAL CONDUIT BENDS, RISERS, AND ABOVE GRADE CONDUIT MUST BE RIGID GALVANIZED STEEL.
3. PROVIDE INTERLOCKING PLASTIC SPACERS AT 4' OC.

2 C-506 ELECTRIC AND COMMUNICATIONS SERVICE TRENCH DETAIL

NOT TO SCALE

CU101



3'-0"
2'-0"
2'-0"
3'-0"
FLUSH SIDEWALK
ELECTRICAL VEHICLE CHARGER
FACE OF SIDEWALK
PAVEMENT
12"
BOLLARD (TYP)
13 C-503
3" (TYP)
SITE PLAN

NON-SHRINK GROUT (PER MANUFACTURER'S RECOMMENDATIONS, ±1")
3/4" CHAMFER (TYP)
FINISH GRADE
1 C-506 CONDUIT IN CONDUIT TRENCH
ELECTRIC VEHICLE CHARGING POST
GALVANIZED ANCHOR BOLTS, BASE PLATE AND LEVELING NUTS (SIZE AND NUMBER PER MANUFACTURER'S RECOMMENDATIONS)
6"
4'-6" MIN
±24" SQUARE FORMED CONCRETE OR PRECAST CONCRETE FOUNDATION (4,000 PSI MIN). SEE NOTES
STRUCTURAL FILL (TYP)
#4 TIES @ 12" OC (TYP)
CONDUIT RISER (TYP)
4 #5 EQUALLY SPACED
3" CLEAR
EXISTING SUBGRADE OR COMPACTED FILL
SECTION

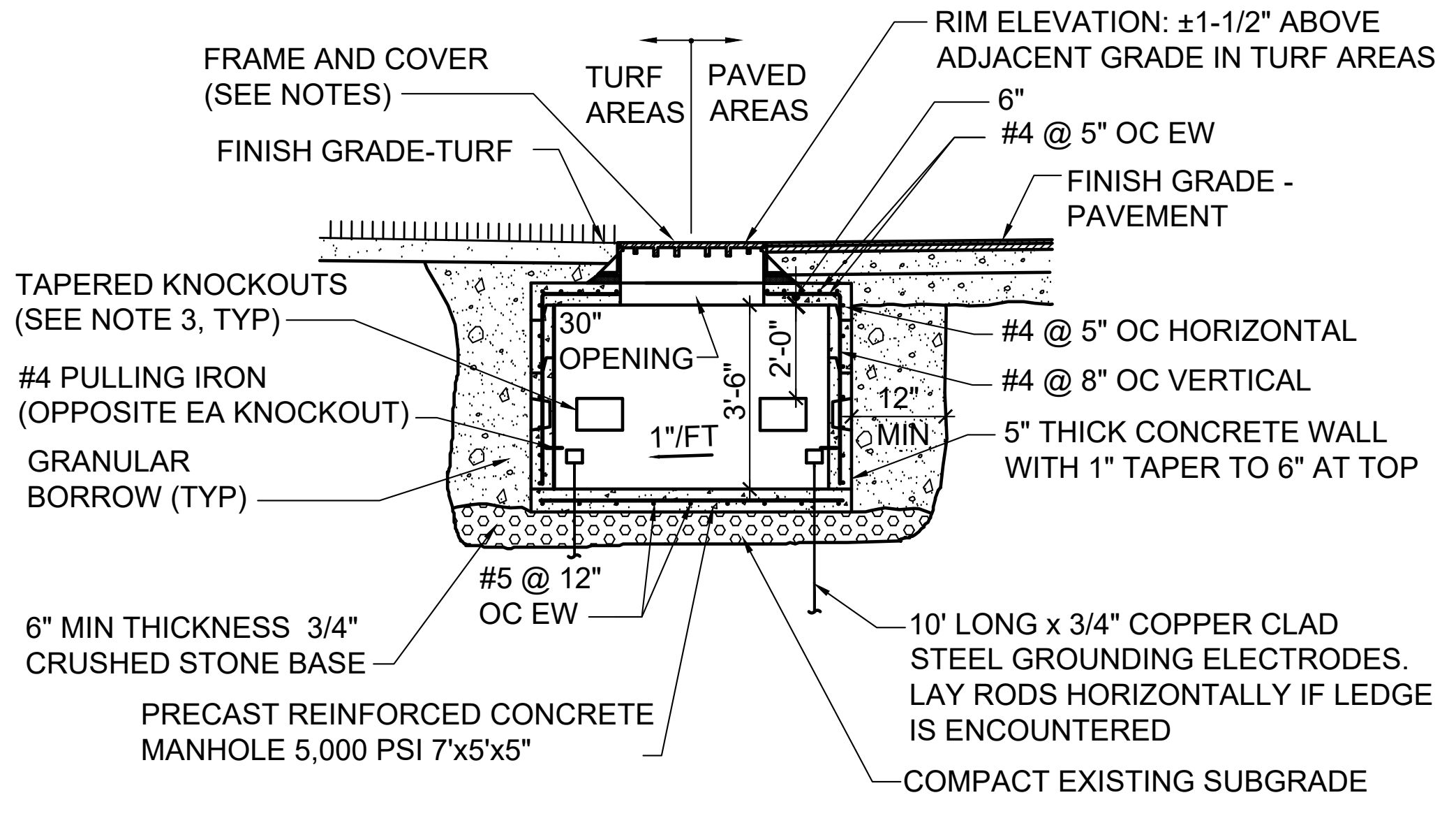
CHARGING PEDESTAL NOTES:

1. PROVIDE ELECTRIC VEHICLE PARKING SIGNS AS INDICATED ON CS101. SEE DETAIL 8/C-504
2. DIMENSIONS INDICATED ARE APPROXIMATE. FINAL PEDESTAL DIMENSIONS MUST BE IN ACCORDANCE WITH ELECTRIC VEHICLE CHARGER MANUFACTURER'S WRITTEN REQUIREMENTS.
3. INSTALL AND GROUND IN ACCORDANCE WITH MANUFACTURER'S WRITTEN REQUIREMENTS.

3 C-506 ELECTRIC VEHICLE CHARGING PEDESTAL DETAIL

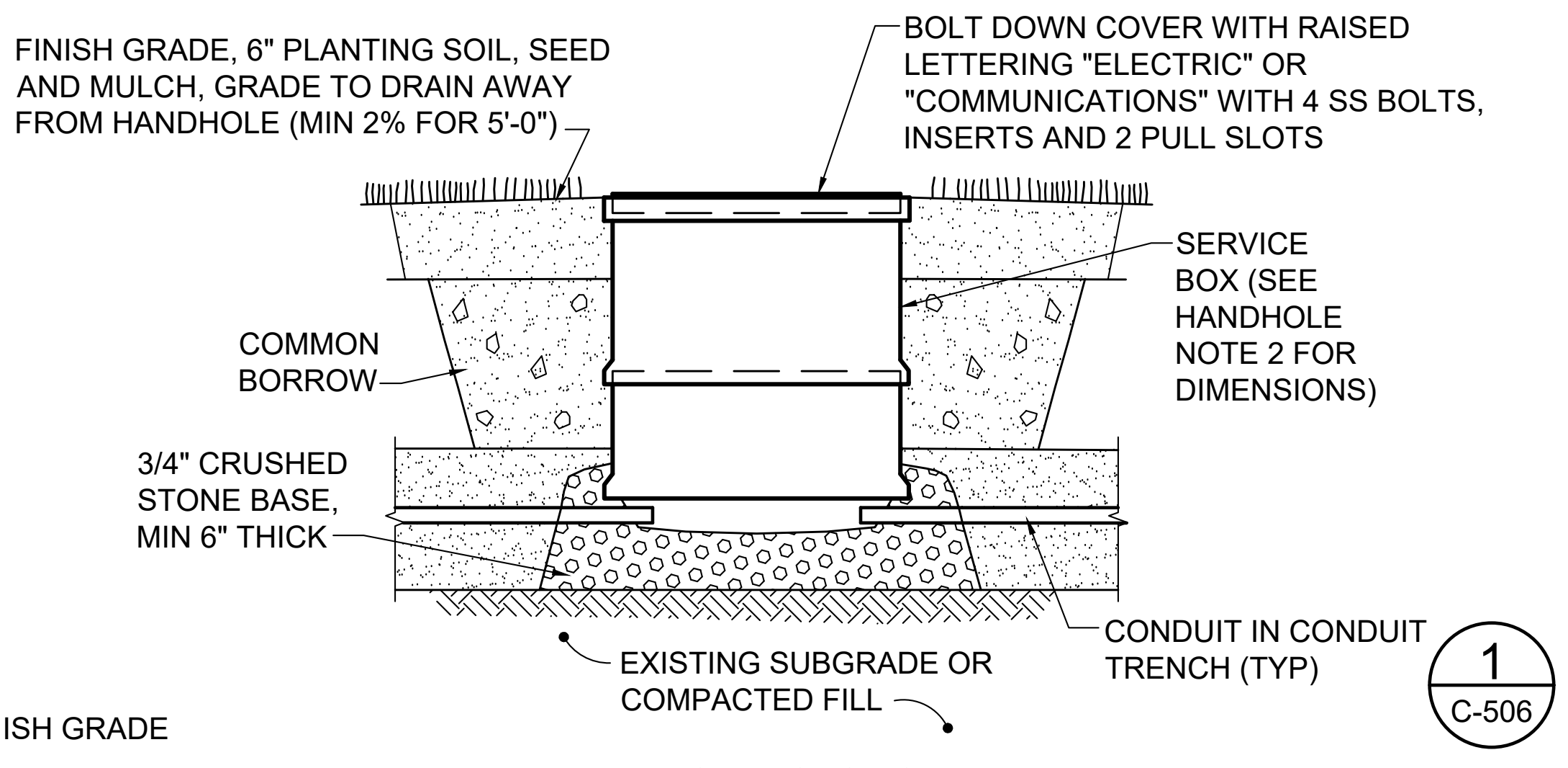
NOT TO SCALE

CS101,CU101



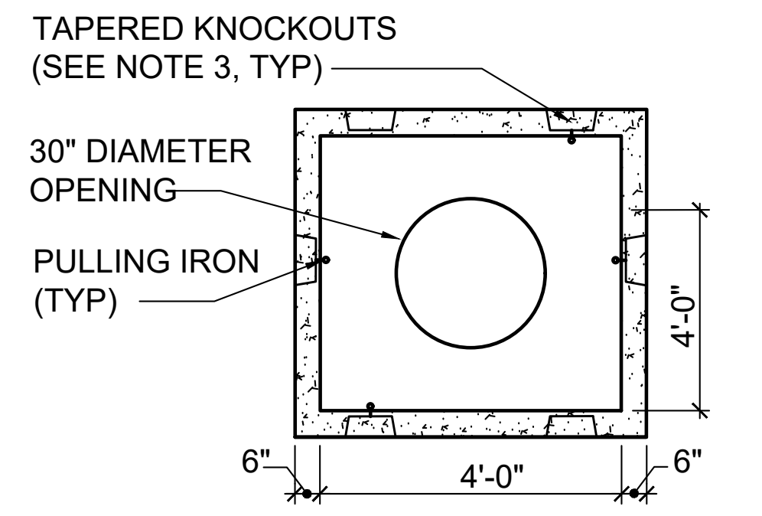
FRAME AND COVER (SEE NOTES)
TURF AREAS
PAVED AREAS
FINISH GRADE-TURF
RIM ELEVATION: ±1-1/2" ABOVE ADJACENT GRADE IN TURF AREAS
6"
#4 @ 5" OC EW
FINISH GRADE - PAVEMENT
TAPERED KNOCKOUTS (SEE NOTE 3, TYP)
#4 PULLING IRON (OPPOSITE EA KNOCKOUT)
GRANULAR BORROW (TYP)
30" OPENING
3'-6"
2'-0"
1"/FT
12" MIN
#4 @ 5" OC HORIZONTAL
#4 @ 8" OC VERTICAL
5" THICK CONCRETE WALL WITH 1" TAPER TO 6" AT TOP
#5 @ 12" OC EW
6" MIN THICKNESS 3/4" CRUSHED STONE BASE
PRECAST REINFORCED CONCRETE MANHOLE 5,000 PSI 7'x5'x5"
10' LONG x 3/4" COPPER CLAD STEEL GROUNDING ELECTRODES. LAY RODS HORIZONTALLY IF LEDGE IS ENCOUNTERED
COMPACT EXISTING SUBGRADE

MANHOLE - SECTION VIEW



FINISH GRADE, 6" PLANTING SOIL, SEED AND MULCH, GRADE TO DRAIN AWAY FROM HANDHOLE (MIN 2% FOR 5'-0")
BOLT DOWN COVER WITH RAISED LETTERING "ELECTRIC" OR "COMMUNICATIONS" WITH 4 SS BOLTS, INSERTS AND 2 PULL SLOTS
COMMON BORROW
SERVICE BOX (SEE HANDHOLE NOTE 2 FOR DIMENSIONS)
3/4" CRUSHED STONE BASE, MIN 6" THICK
EXISTING SUBGRADE OR COMPACTED FILL
CONDUIT IN CONDUIT TRENCH (TYP)
1 C-506

HANDHOLE - SECTION VIEW



MANHOLE - PLAN VIEW

MANHOLE NOTES:

1. DESIGN TO WITHSTAND H-20 WHEEL LOADING WITH 6" OF OVERBURDEN AND COMPLY WITH NATIONAL ELECTRICAL SAFETY CODE SECTION 323A.
2. PROVIDE 30" CAST IRON COVER MARKED "ELECTRIC" OR "COMMUNICATIONS" (MIN ONE COURSE OF BRICK TO GRADE).
3. COORDINATE KNOCKOUT SIZE AND LOCATION WITH NUMBER OF CONDUIT ENTERING MANHOLE. SEAL KNOCKOUTS WATERTIGHT AFTER INSTALLING CONDUIT.

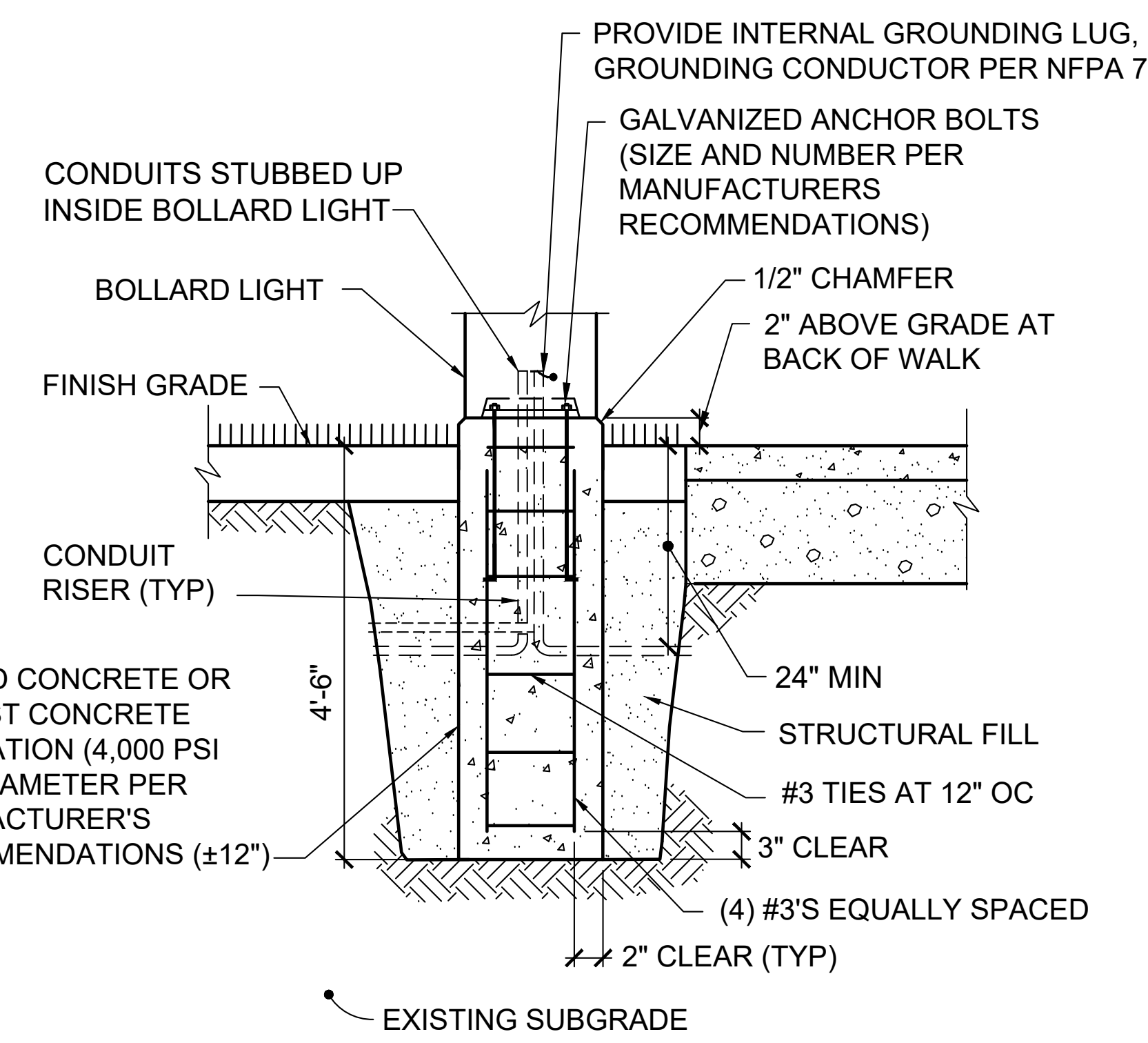
HANDHOLE NOTES:

4. HANDHOLE BODIES 2'-0" DEEP AND LESS MUST BE ONE PIECE CONSTRUCTION.
5. APPROXIMATE SERVICE BOX DIMENSIONS AREA AS FOLLOWS:
   a. LIGHTING CONDUIT: 18" X 18" X 2'-0" HIGH
   b. ELECTRICAL/COMMUNICATIONS CONDUIT: 2'-6" X 2'-6" X 2'-0" HIGH

4 C-506 ELECTRIC AND COMMUNICATIONS MANHOLE AND HANDHOLE DETAILS

NOT TO SCALE

CU101

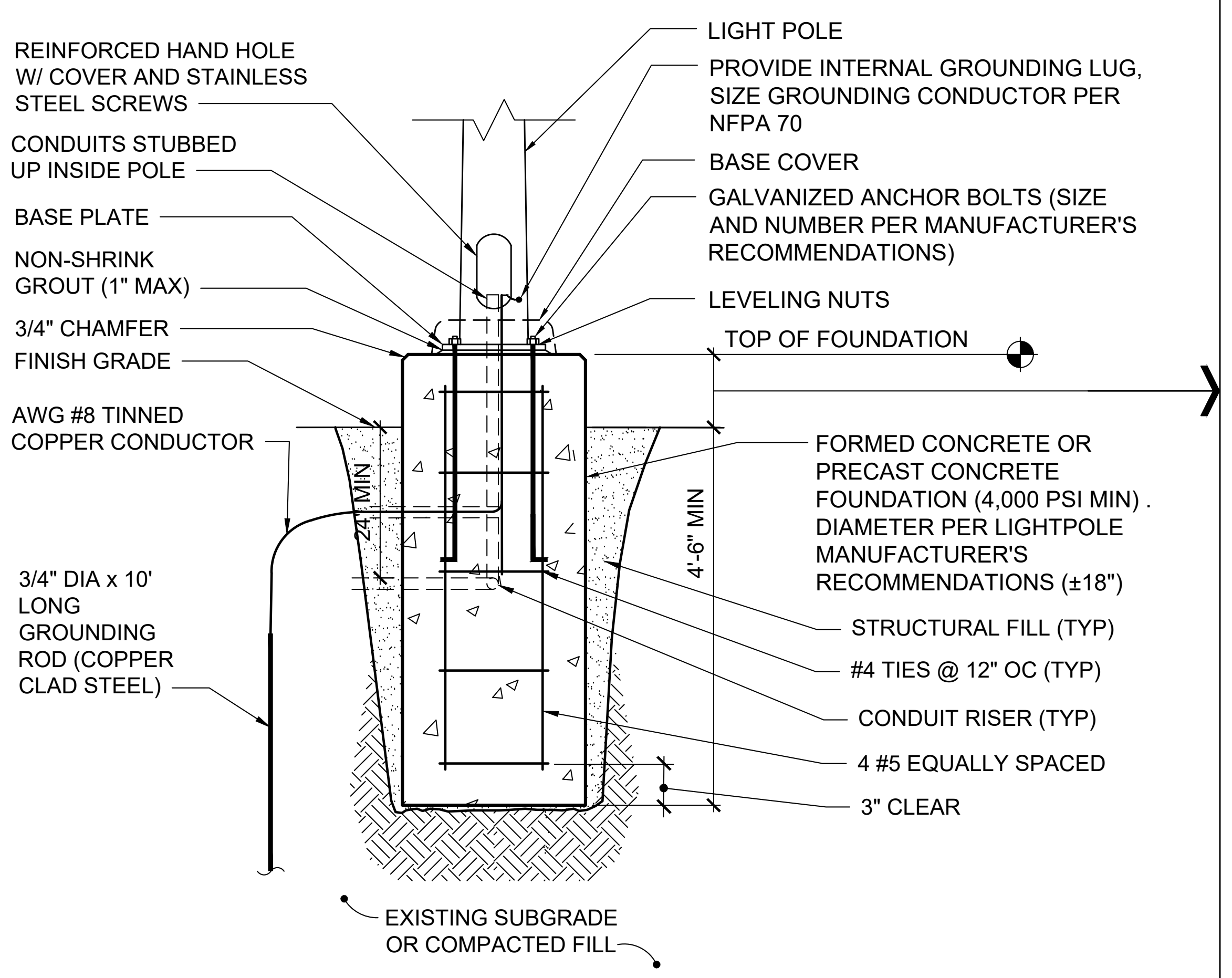


PROVIDE INTERNAL GROUNDING LUG, SIZE GROUNDING CONDUCTOR PER NFPA 70
GALVANIZED ANCHOR BOLTS (SIZE AND NUMBER PER MANUFACTURERS RECOMMENDATIONS)
CONDUITS STUBBED UP INSIDE BOLLARD LIGHT
BOLLARD LIGHT
1/2" CHAMFER
2" ABOVE GRADE AT BACK OF WALK
FINISH GRADE
CONDUIT RISER (TYP)
4'-6"
24" MIN
STRUCTURAL FILL
#3 TIES AT 12" OC
FORMED CONCRETE OR PRECAST CONCRETE FOUNDATION (4,000 PSI MIN) . DIAMETER PER MANUFACTURER'S RECOMMENDATIONS (±12")
3" CLEAR
(4) #3'S EQUALLY SPACED
2" CLEAR (TYP)
EXISTING SUBGRADE OR COMPACTED FILL

BOLLARD FOUNDATION NOTES:

1. COORDINATE BASE DIAMETER AND MOUNTING WITH MANUFACTURER'S WRITTEN REQUIREMENTS.
2. POSITION BASE SO THAT THE CENTER IS 18" FROM THE BACK OF THE ADJACENT SIDEWALK UNLESS NOTED OTHERWISE.
3. GROUND IN ACCORDANCE WITH MANUFACTURER'S WRITTEN REQUIREMENTS.

BOLLARD LIGHT - FOUNDATION

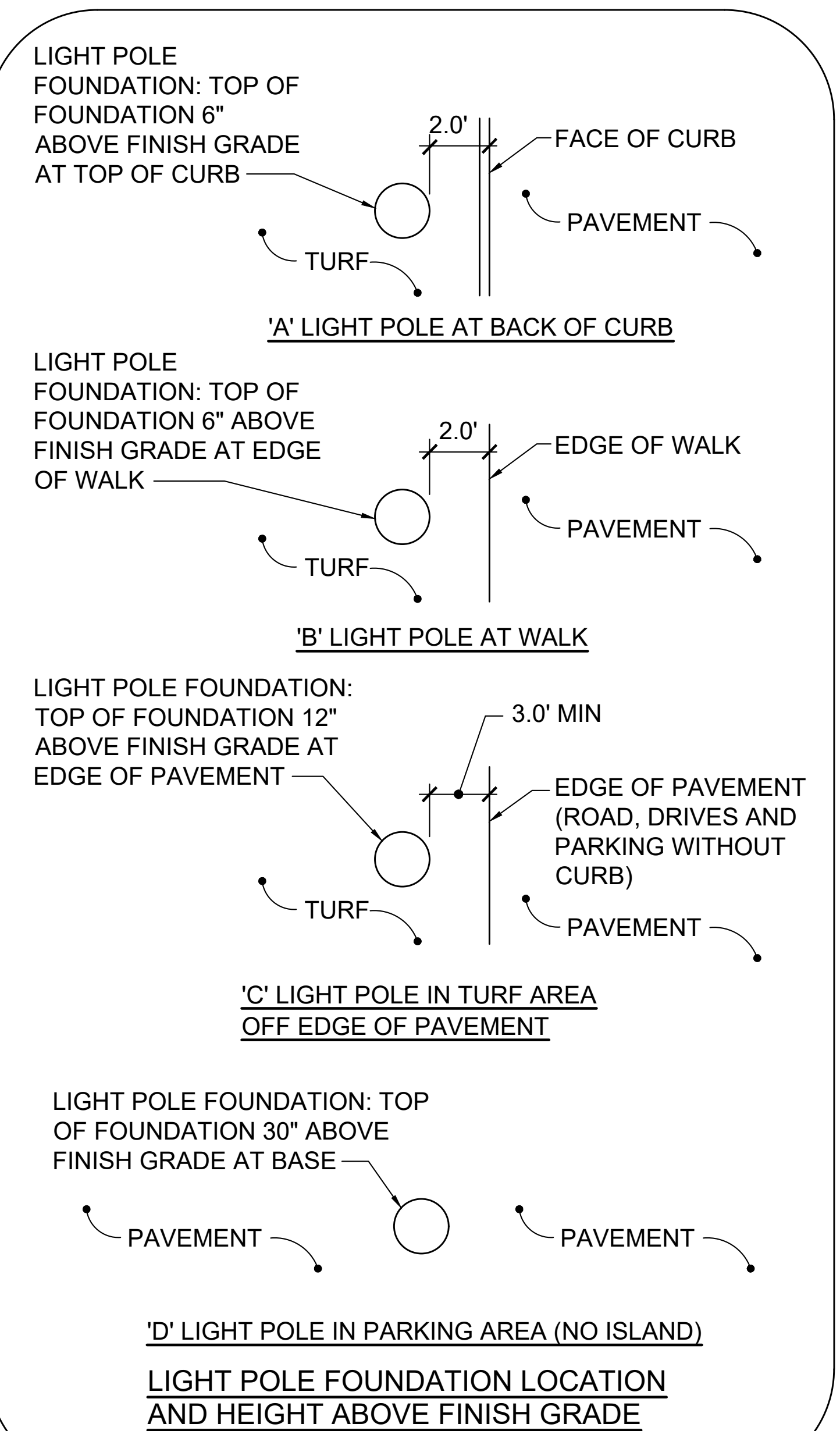


REINFORCED HAND HOLE W/ COVER AND STAINLESS STEEL SCREWS
CONDUITS STUBBED UP INSIDE POLE
BASE PLATE
NON-SHRINK GROUT (1" MAX)
3/4" CHAMFER
FINISH GRADE
AWG #8 TINNED COPPER CONDUCTOR
3/4" DIA x 10' LONG GROUNDING ROD (COPPER CLAD STEEL)
LIGHT POLE
PROVIDE INTERNAL GROUNDING LUG, SIZE GROUNDING CONDUCTOR PER NFPA 70
BASE COVER
GALVANIZED ANCHOR BOLTS (SIZE AND NUMBER PER MANUFACTURER'S RECOMMENDATIONS)
LEVELING NUTS
TOP OF FOUNDATION
24" MIN
4'-6" MIN
FORMED CONCRETE OR PRECAST CONCRETE FOUNDATION (4,000 PSI MIN) . DIAMETER PER LIGHTPOLE MANUFACTURER'S RECOMMENDATIONS (±18")
STRUCTURAL FILL (TYP)
#4 TIES @ 12" OC (TYP)
CONDUIT RISER (TYP)
4 #5 EQUALLY SPACED
3" CLEAR
EXISTING SUBGRADE OR COMPACTED FILL

LIGHT POLE NOTES:

1. POSITION LIGHTPOLES SO THAT THE CENTER OF THE BASE IS 18" FROM THE BACK OF THE ADJACENT SIDEWALK.

LIGHT POLE FOUNDATION



LIGHT POLE FOUNDATION: TOP OF FOUNDATION 6" ABOVE FINISH GRADE AT TOP OF CURB
2.0'
FACE OF CURB
PAVEMENT
TURF
'A' LIGHT POLE AT BACK OF CURB
LIGHT POLE FOUNDATION: TOP OF FOUNDATION 6" ABOVE FINISH GRADE AT EDGE OF WALK
2.0'
EDGE OF WALK
PAVEMENT
TURF
'B' LIGHT POLE AT WALK
LIGHT POLE FOUNDATION: TOP OF FOUNDATION 12" ABOVE FINISH GRADE AT EDGE OF PAVEMENT
3.0' MIN
EDGE OF PAVEMENT (ROAD, DRIVES AND PARKING WITHOUT CURB)
TURF
PAVEMENT
'C' LIGHT POLE IN TURF AREA OFF EDGE OF PAVEMENT
LIGHT POLE FOUNDATION: TOP OF FOUNDATION 30" ABOVE FINISH GRADE AT BASE
PAVEMENT
PAVEMENT
'D' LIGHT POLE IN PARKING AREA (NO ISLAND)

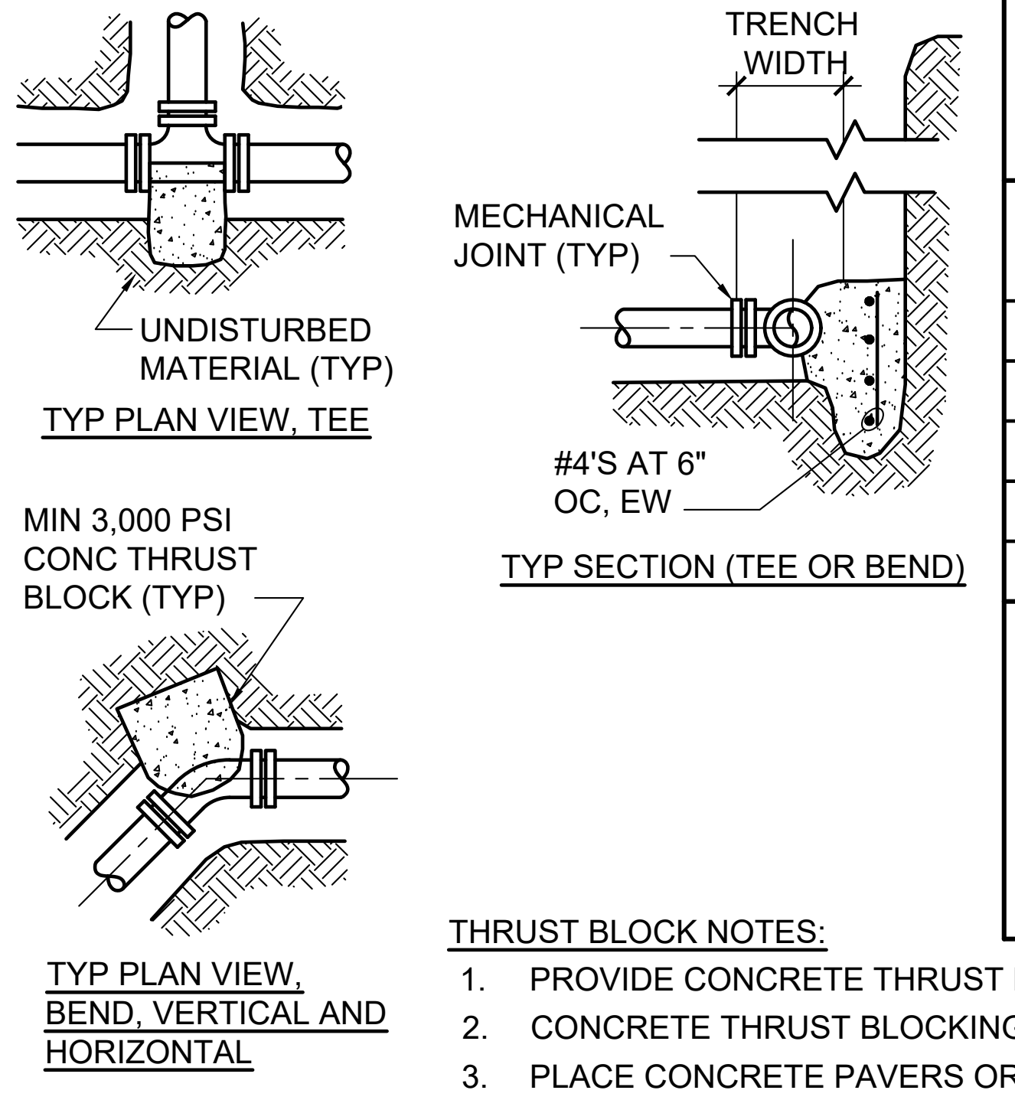
LIGHT POLE FOUNDATION LOCATION AND HEIGHT ABOVE FINISH GRADE

NOT TO SCALE

5 C-506 LIGHT POLE AND BOLLARD LIGHT FOUNDATION DETAILS

NOT TO SCALE

CU101



UNDISTURBED MATERIAL (TYP)
TYP PLAN VIEW, TEE
TRENCH WIDTH
MECHANICAL JOINT (TYP)
#4'S AT 6" OC, EW
TYP SECTION (TEE OR BEND)
MIN 3,000 PSI CONC THRUST BLOCK (TYP)
TYP PLAN VIEW, BEND, VERTICAL AND HORIZONTAL

THRUST BLOCK SCHEDULE
BASED ON 100 PSI WORKING PRESSURE
(SQUARE FEET OF CONCRETE THRUST
BLOCKING BEARING ON UNDISTURBED MATERIAL)

REACTION TYPE	PIPE SIZE (INCHES)					
	4"	6"	8"	10"	12"	
90° BEND	1.9	4.0	6.8	10.3	14.5	
TEE	1.4	2.8	4.8	7.3	10.3	
45° BEND	1.0	2.2	3.7	5.6	7.9	
22.5° BEND	0.5	1.1	1.9	2.8	4.0	
11.25° BEND	0.3	0.6	1.0	1.4	2.0	

NOTES:
1. FOR OTHER PRESSURES, AREA OF CONCRETE THRUST BLOCKING IS DIRECTLY PROPORTIONAL TO AREAS SHOWN IN ABOVE TABLE.
2. AREA OF THRUST BLOCKS SHOWN ARE BASED ON A MINIMUM SOIL BEARING CAPACITY OF 2,000 POUNDS PER SQUARE FOOT AND 1.5 SAFETY FACTOR. BEARING CAPACITY MAY BE ALTERED BY THE OWNER/ARCHITECT BASED ON CONDITIONS ENCOUNTERED.

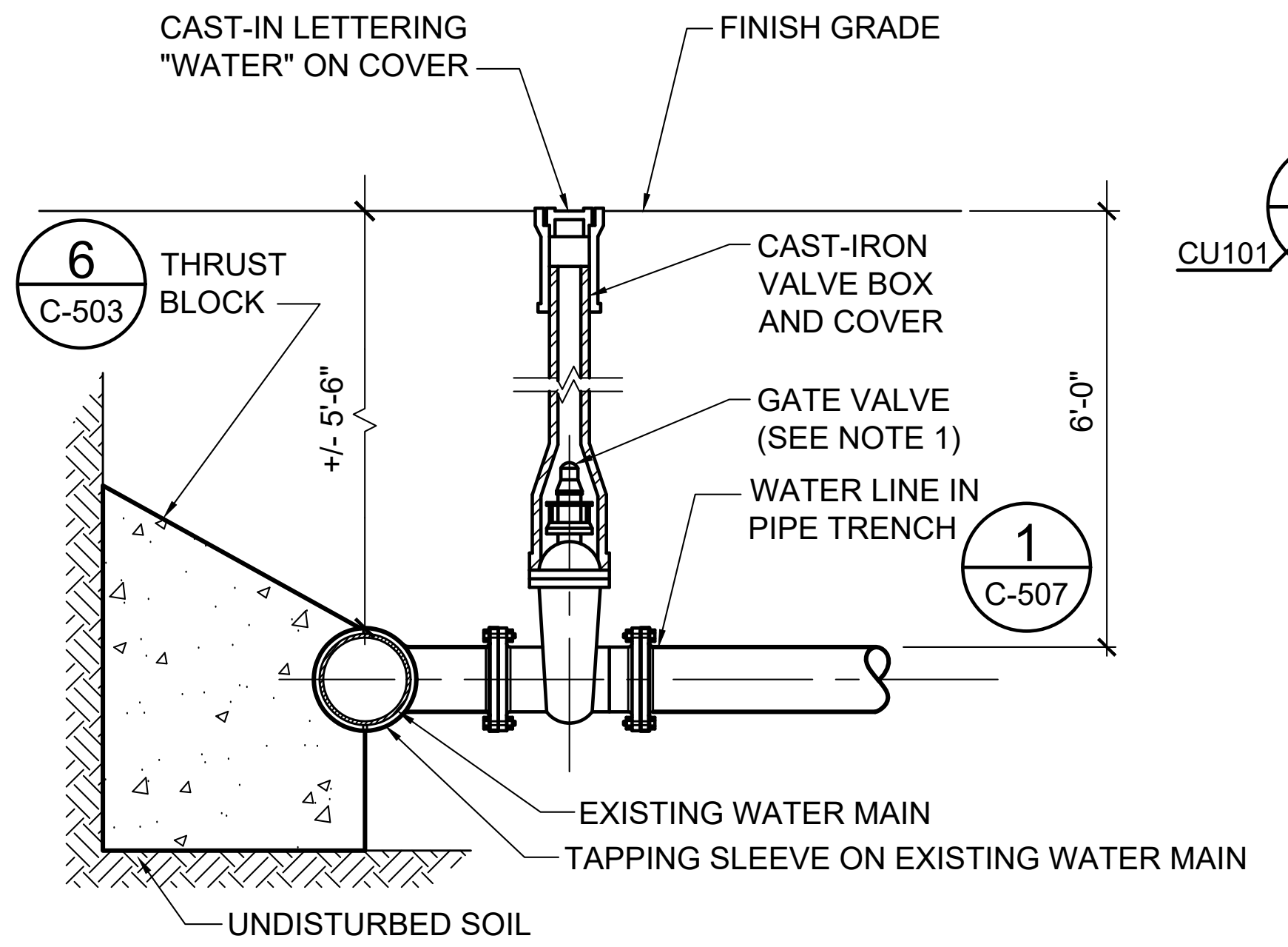
THRUST BLOCK NOTES:

1. PROVIDE CONCRETE THRUST BLOCKING IN ACCORDANCE WITH NFPA 24.
2. CONCRETE THRUST BLOCKING (MIN 3,000 PSI) IS REQUIRED FOR ALL TEES, BENDS, REDUCERS, AND PLUGS.
3. PLACE CONCRETE PAVERS OR BRICK IN FRONT OF ALL PLUGS BEFORE PLACING THRUST BLOCKS.
4. WRAP FITTINGS IN POLYETHYLENE PRIOR TO INSTALLATION OF CONCRETE THRUST BLOCKING.
5. PLACE THRUST BLOCKS AGAINST UNDISTURBED MATERIAL. WHERE TRENCH WALL HAS BEEN DISTURBED, EXCAVATE LOOSE MATERIAL AND EXTEND CONCRETE THRUST BLOCK TO UNDISTURBED MATERIAL.
6. EXTEND CONCRETE THRUST BLOCKING THE ENTIRE LENGTH OF THE FITTING. DO NOT COVER ANY PART OF THE JOINT WITH CONCRETE.
7. INSTALL LIFT HOOKS INTO THRUST BLOCKS AT END CAPS AND PLUGS.
8. GRIP-RING RESTRAINT SYSTEMS ARE REQUIRED FOR ALL MECHANICAL JOINTS. THESE SYSTEMS DO NOT REDUCE THE REQUIREMENTS FOR THRUST BLOCKING.
9. PROVIDE ADDITIONAL JOINT RESTRAINT WHERE INDICATED ON DRAWINGS.

6 C-506 THRUST BLOCK DETAIL

NOT TO SCALE

CD101,CU101,C-506



CAST-IN LETTERING "WATER" ON COVER
FINISH GRADE
6 C-503 THRUST BLOCK
CAST-IRON VALVE BOX AND COVER
+/- 5'-6"
6'-0"
GATE VALVE (SEE NOTE 1)
WATER LINE IN PIPE TRENCH
1 C-507
EXISTING WATER MAIN
TAPPING SLEEVE ON EXISTING WATER MAIN
UNDISTURBED SOIL

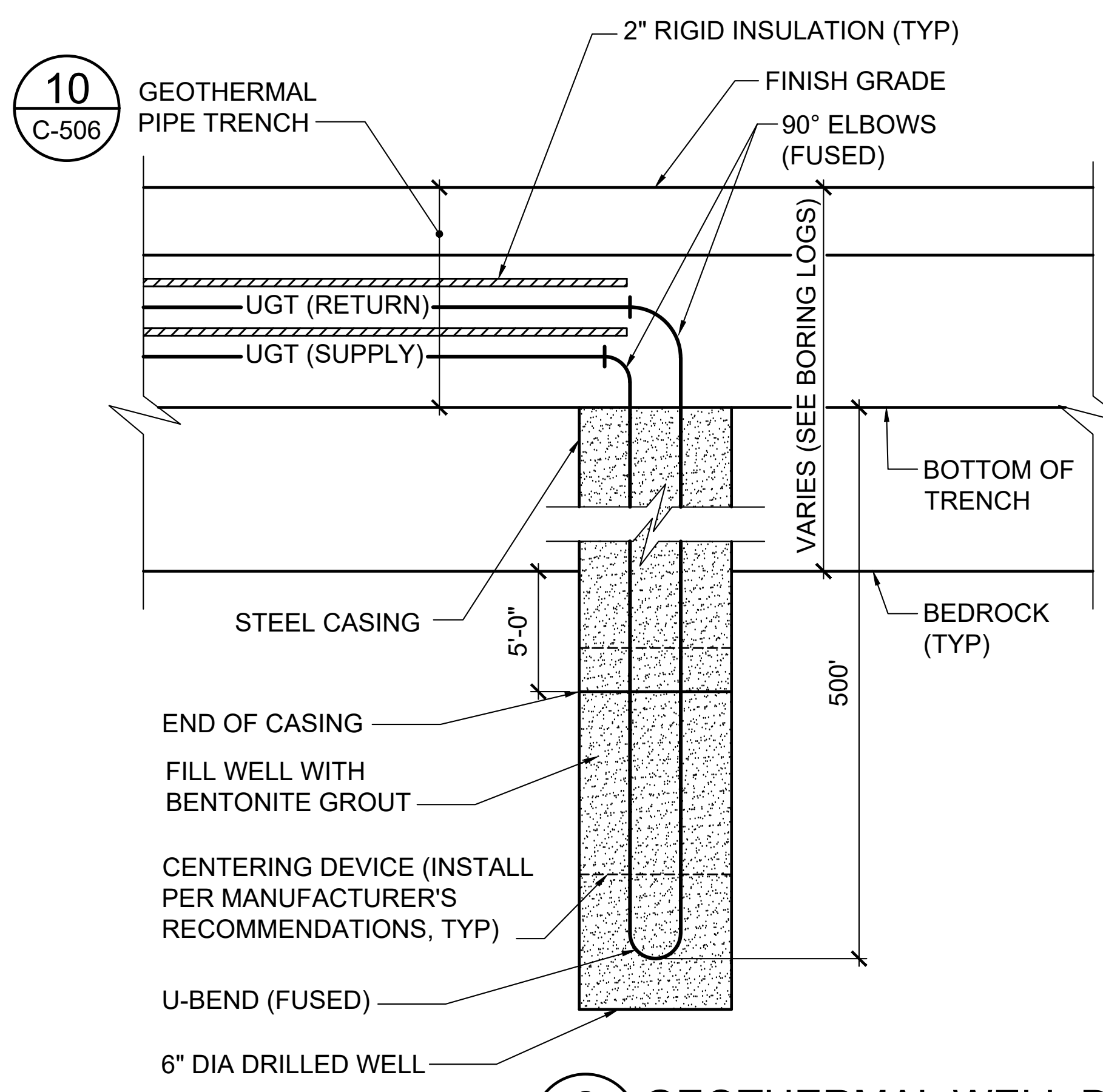
GATE VALVE NOTES:

1. PROVIDE AMERICAN FLOW CONTROL MODEL 2500, US METROSEAL MODEL 250 OR FLOW MODEL 26389 C151 VALVE UNLESS APPROVED IN WRITING BY THE GREATER AUGUSTA UTILITY DISTRICT.
2. CAST IRON VALVES ARE NOT PERMITTED.
3. VALVE MUST BE TURN RIGHT TO OPEN.
4. WRAP ALL PIPE AND FITTINGS IN MIN 8 MIL POLYETHYLENE SHEETING AND TAPE SECURELY BEFORE BURYING.
5. PROVIDE TYPE 18-8 HIGH STRENGTH STAINLESS STEEL BOLTS
6. VALVES, FITTINGS AND PIPE MUST CONFORM TO CURRENT GREATER AUGUSTA UTILITY DISTRICT STANDARDS.

7 C-506 GATE VALVE AND TAPPING SLEEVE DETAIL

NOT TO SCALE

CU101,C-506



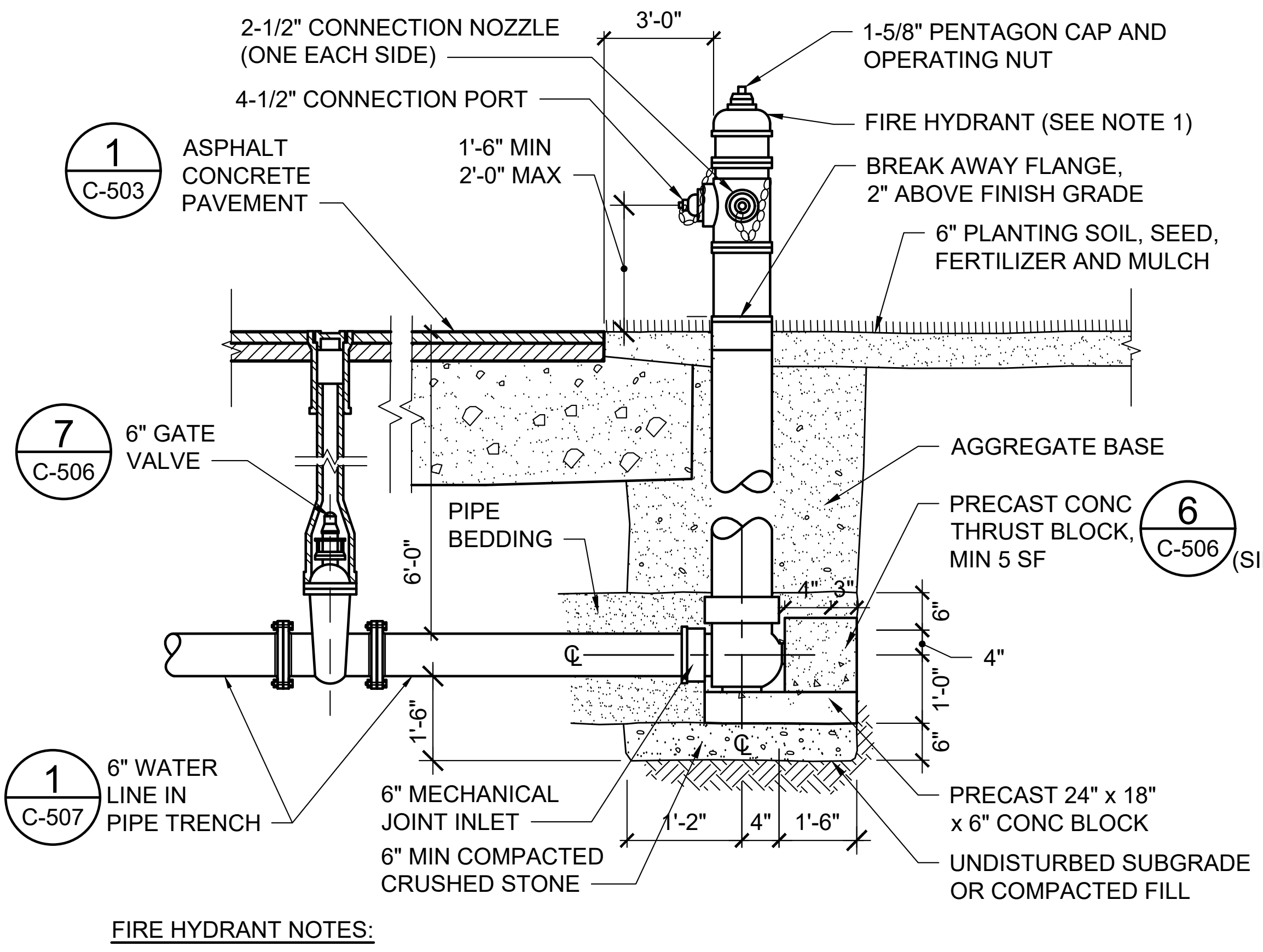
GEOTHERMAL WELL NOTES:

1. SEE SHEET M-503 FOR PIPE SIZES AND CONFIGURATION.
2. LABEL THE GEOTHERMAL MAIN PIPE AT THE BUILDING TO IDENTIFY THE CORRESPONDING WELL FIELD LOCATION (IE GF1).
3. SUBMIT AS-BUILT THAT IDENTIFY THE LOCATION OF EACH GEOTHERMAL WELL AND ALL SUPPLY AND RETURN PIPING.

8 C-506 GEOTHERMAL WELL DETAIL

NOT TO SCALE

CU101



2-1/2" CONNECTION NOZZLE (ONE EACH SIDE)
4-1/2" CONNECTION PORT
3'-0"
1'-6" MIN 2'-0" MAX
1-5/8" PENTAGON CAP AND OPERATING NUT
FIRE HYDRANT (SEE NOTE 1)
BREAK AWAY FLANGE, 2" ABOVE FINISH GRADE
6" PLANTING SOIL, SEED, FERTILIZER AND MULCH
1 C-503 ASPHALT CONCRETE PAVEMENT
7 C-506 6" GATE VALVE
PIPE BEDDING
6'-0"
AGGREGATE BASE
PRECAST CONC THRUST BLOCK, MIN 5 SF
6 C-506 (SIM)
4"
3"
6"
4"
1'-0"
6"
1'-6"
1 C-507 6" WATER LINE IN PIPE TRENCH
6" MECHANICAL JOINT INLET
6" MIN COMPACTED CRUSHED STONE
1'-2"
4"
1'-6"
PRECAST 24" x 18" x 6" CONC BLOCK
UNDISTURBED SUBGRADE OR COMPACTED FILL

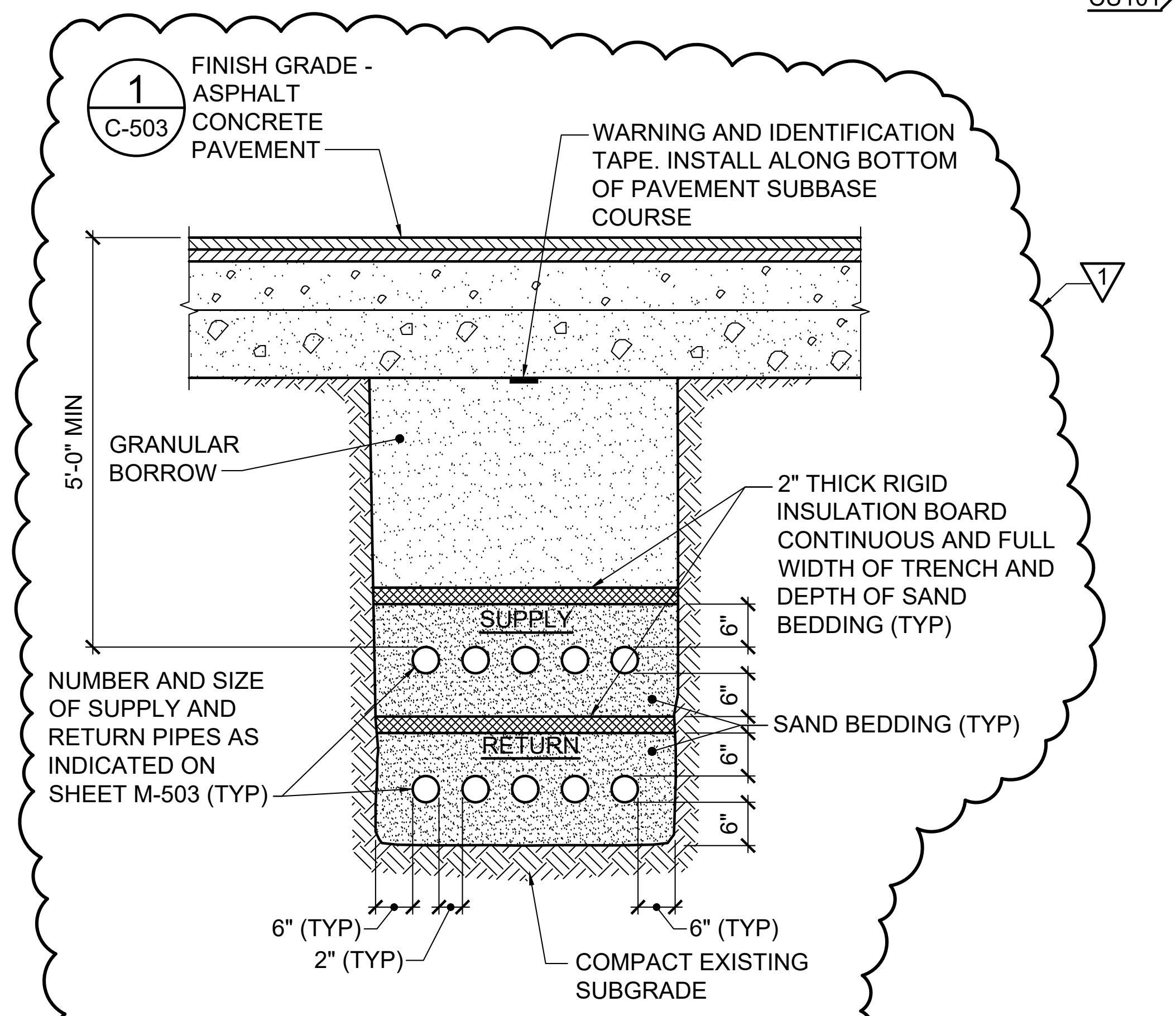
FIRE HYDRANT NOTES:

1. PROVIDE AMERICAN WATERUS WB-67-250 OR CLOW EDDY F5641 FIRE HYDRANT UNLESS APPROVED IN WRITING BY FIRE DEPARTMENT/GREATER AUGUSTA UTILITIES DISTRICT.
2. HYDRANT VALVE MUST BE TURN RIGHT TO OPEN.
3. CONNECTIONS MUST BE NATIONAL STANDARD THREAD.
4. HYDRANT MUST HAVE 5 $\frac{1}{4}$" VALVE OPENING WITH NON-DRAINING BRONZE SEAT THAT IS PERMANENTLY PLUGGED.
5. WRAP ALL PIPE, HYDRANT, AND FITTINGS MIN 4 TIMES WITH MIN 8 MIL POLYETHYLENE SHEETING AND TAPE SECURELY BEFORE BURYING.
6. COAT SHOE AND LOWER VALVE INSIDE AND OUT WITH FUSION BONDED EPOXY PAINT.
7. ATTACH SHOE TO LOWER BARREL WITH STAINLESS STEEL NUTS AND BOLTS.
8. HYDRANT, FITTINGS AND PIPE MUST CONFORM TO CURRENT GREATER AUGUSTA UTILITY DISTRICT STANDARDS.

9 C-506 FIRE HYDRANT DETAIL

NOT TO SCALE

CU101



1 C-503 FINISH GRADE - ASPHALT CONCRETE PAVEMENT
WARNING AND IDENTIFICATION TAPE. INSTALL ALONG BOTTOM OF PAVEMENT SUBBASE COURSE
1
5'-0" MIN
GRANULAR BORROW
2" THICK RIGID INSULATION BOARD CONTINUOUS AND FULL WIDTH OF TRENCH AND DEPTH OF SAND BEDDING (TYP)
SUPPLY
RETURN
6"
6"
6"
6"
SAND BEDDING (TYP)
NUMBER AND SIZE OF SUPPLY AND RETURN PIPES AS INDICATED ON SHEET M-503 (TYP)
6" (TYP)
2" (TYP)
6" (TYP)
COMPACT EXISTING SUBGRADE

PIPE TRENCH NOTES:

1. EXCAVATION WORK MUST COMPLY WITH OSHA STANDARDS.
2. PROVIDE A MINIMUM OF 6" VERTICAL CLEARANCE BETWEEN CROSSING PIPES.

10 C-506 GEOTHERMAL WELL PIPE TRENCH

NOT TO SCALE

CU101,C-506,M-503

NO.	DATE	DESCRIPTION	BY
2	03/06/25	ADDENDUM 5	JSD
1	02/27/25	ADDENDUM 2	JSD

REVISIONS

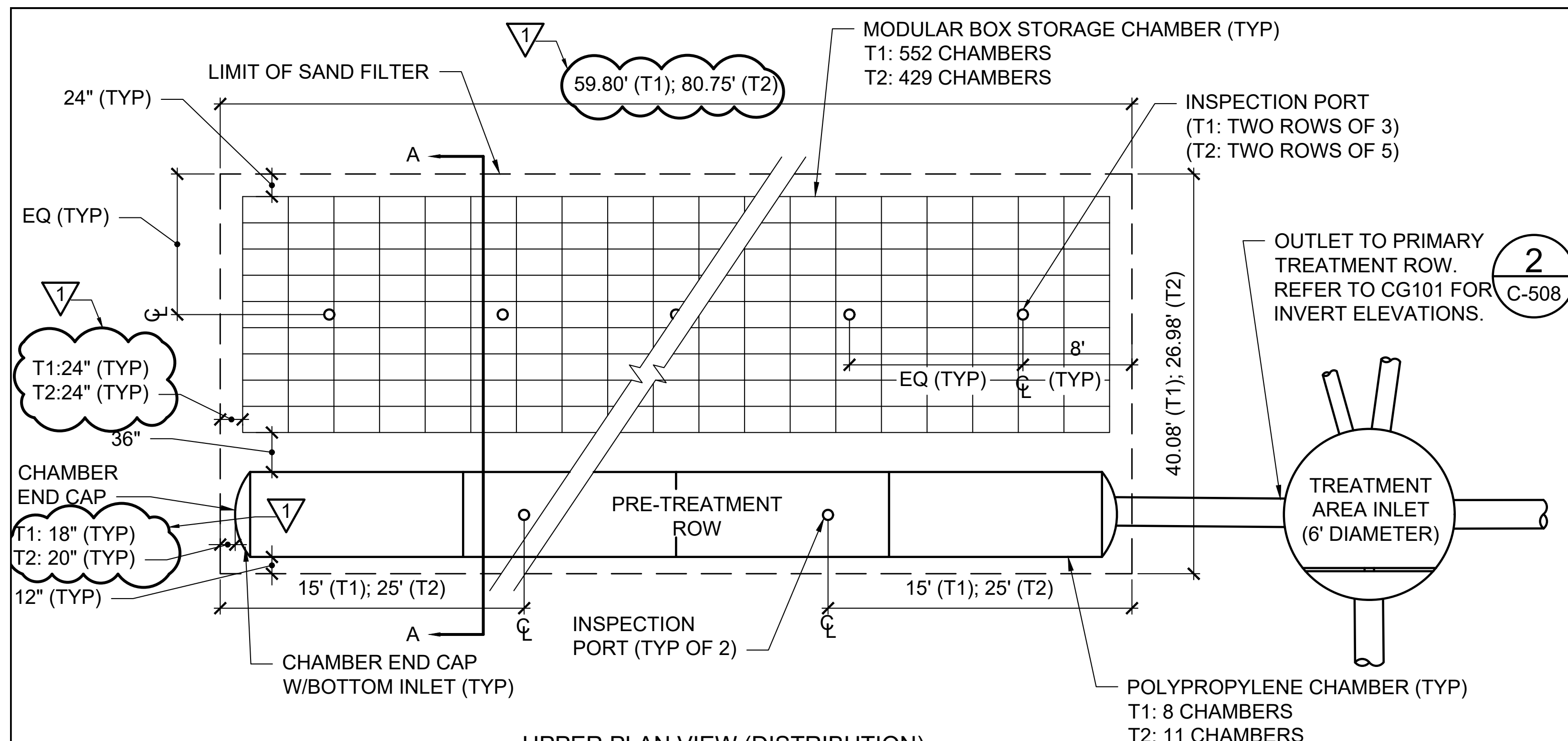
JONAH DeWATERS
No. 12273

DRAWN BY: JSD
CHECK BY: JSD
NO.
DATE 01/29/2025

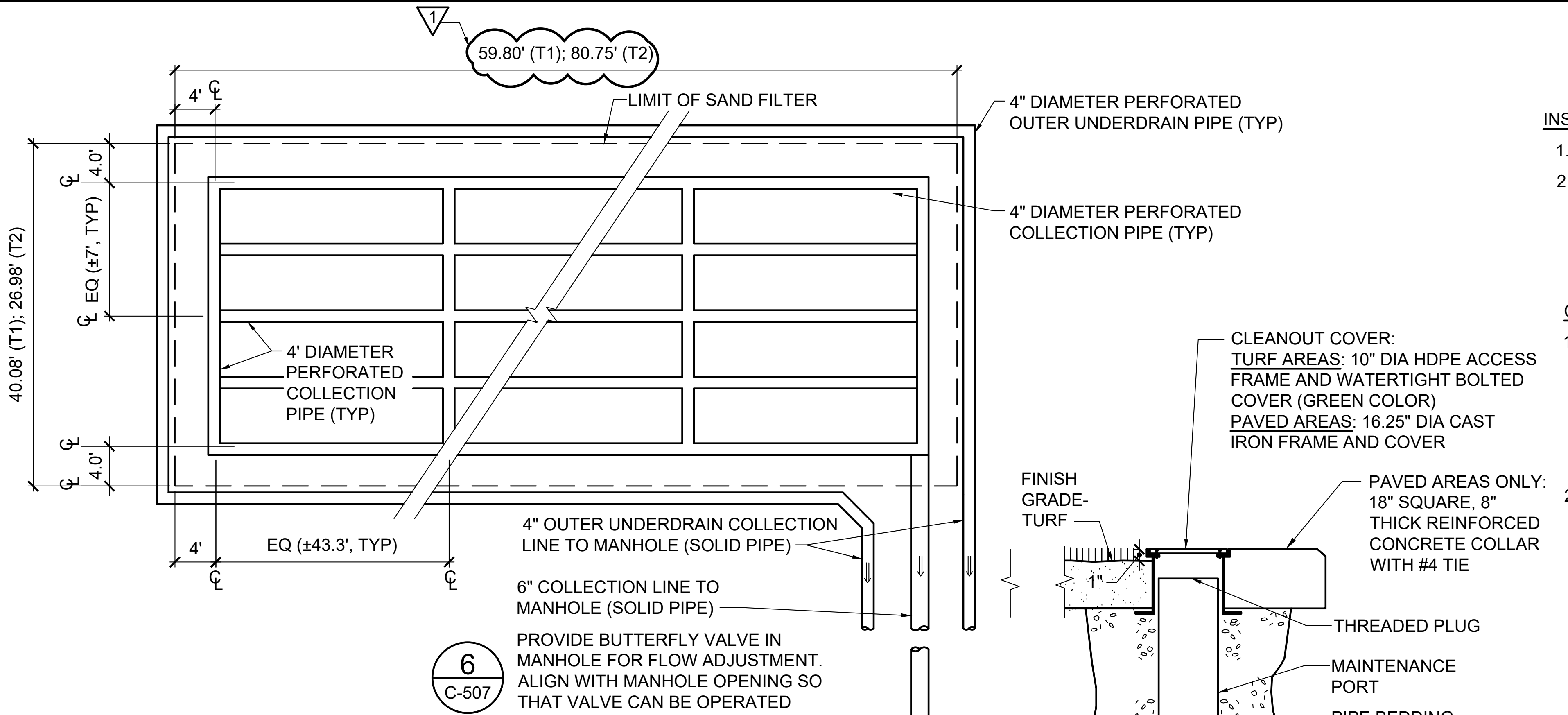
DEPARTMENT OF INLAND FISHERIES & WILDLIFE
TITLE NEW OFFICE HEADQUARTERS
LOCATION AUGUSTA, MAINE
TITLE THIS DWG.
SITE DETAILS - 4

OAK POINT ASSOCIATES
ARCHITECTURE ■ ENGINEERING ■ PLANNING
231 Main Street, Biddeford, Maine 04005 207.283.0193

DRAWING NO. C-506
SHEET NO. 36 OF 239

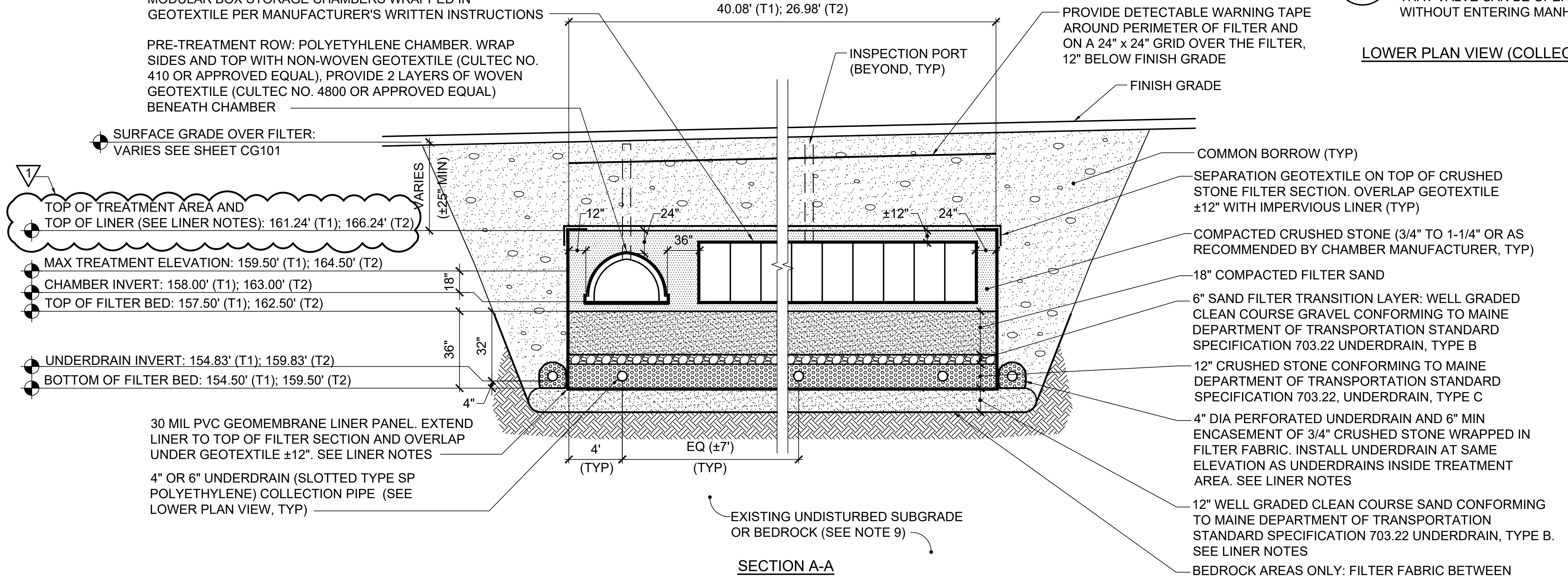


UPPER PLAN VIEW (DISTRIBUTION)


1
59.80' (T1); 80.75' (T2)
4'
LIMIT OF SAND FILTER
4" DIAMETER PERFORATED OUTER UNDERDRAIN PIPE (TYP)
4" DIAMETER PERFORATED COLLECTION PIPE (TYP)
4.0'
EQ (±7', TYP)
40.08' (T1); 26.98' (T2)
4' DIAMETER PERFORATED COLLECTION PIPE (TYP)
4.0'
4'
EQ (±43.3', TYP)
4" OUTER UNDERDRAIN COLLECTION LINE TO MANHOLE (SOLID PIPE)
6" COLLECTION LINE TO MANHOLE (SOLID PIPE)
6
C-507
PROVIDE BUTTERFLY VALVE IN MANHOLE FOR FLOW ADJUSTMENT. ALIGN WITH MANHOLE OPENING SO THAT VALVE CAN BE OPERATED WITHOUT ENTERING MANHOLE
CLEANOUT COVER:
TURF AREAS: 10" DIA HDPE ACCESS FRAME AND WATERTIGHT BOLTED COVER (GREEN COLOR)
PAVED AREAS: 16.25" DIA CAST IRON FRAME AND COVER
FINISH GRADE-TURF
1"
PAVED AREAS ONLY: 18" SQUARE, 8" THICK REINFORCED CONCRETE COLLAR WITH #4 TIE
THREADED PLUG
MAINTENANCE PORT
PIPE BEDDING MATERIAL

LOWER PLAN VIEW (COLLECTION)

TYP INSPECTION PORT DETAIL


MODULAR BOX STORAGE CHAMBERS WRAPPED IN GEOTEXTILE PER MANUFACTURER'S WRITTEN INSTRUCTIONS
40.08' (T1); 26.98' (T2)
PROVIDE DETECTABLE WARNING TAPE AROUND PERIMETER OF FILTER AND ON A 24" x 24" GRID OVER THE FILTER, 12" BELOW FINISH GRADE
PRE-TREATMENT ROW: POLYETYHLENE CHAMBER. WRAP SIDES AND TOP WITH NON-WOVEN GEOTEXTILE (CULTEC NO. 410 OR APPROVED EQUAL), PROVIDE 2 LAYERS OF WOVEN GEOTEXTILE (CULTEC NO. 4800 OR APPROVED EQUAL) BENEATH CHAMBER
INSPECTION PORT (BEYOND, TYP)
FINISH GRADE
SURFACE GRADE OVER FILTER: VARIES SEE SHEET CG101
VARIES (±25" MIN)
1
TOP OF TREATMENT AREA AND TOP OF LINER (SEE LINER NOTES): 161.24' (T1); 166.24' (T2)
12"
24"
36"
±12"
24"
MAX TREATMENT ELEVATION: 159.50' (T1); 164.50' (T2)
CHAMBER INVERT: 158.00' (T1); 163.00' (T2)
TOP OF FILTER BED: 157.50' (T1); 162.50' (T2)
18"
36"
32"
UNDERDRAIN INVERT: 154.83' (T1); 159.83' (T2)
BOTTOM OF FILTER BED: 154.50' (T1); 159.50' (T2)
4"
COMMON BORROW (TYP)
SEPARATION GEOTEXTILE ON TOP OF CRUSHED STONE FILTER SECTION. OVERLAP GEOTEXTILE ±12" WITH IMPERVIOUS LINER (TYP)
COMPACTED CRUSHED STONE (3/4" TO 1-1/4" OR AS RECOMMENDED BY CHAMBER MANUFACTURER, TYP)
18" COMPACTED FILTER SAND
6" SAND FILTER TRANSITION LAYER: WELL GRADED CLEAN COURSE GRAVEL CONFORMING TO MAINE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATION 703.22 UNDERDRAIN, TYPE B
12" CRUSHED STONE CONFORMING TO MAINE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATION 703.22, UNDERDRAIN, TYPE C
4" DIA PERFORATED UNDERDRAIN AND 6" MIN ENCASEMENT OF 3/4" CRUSHED STONE WRAPPED IN FILTER FABRIC. INSTALL UNDERDRAIN AT SAME ELEVATION AS UNDERDRAINS INSIDE TREATMENT AREA. SEE LINER NOTES
12" WELL GRADED CLEAN COURSE SAND CONFORMING TO MAINE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATION 703.22 UNDERDRAIN, TYPE B. SEE LINER NOTES
BEDROCK AREAS ONLY: FILTER FABRIC BETWEEN LEDGE AND BACKFILL MATERIALS
30 MIL PVC GEOMEMBRANE LINER PANEL. EXTEND LINER TO TOP OF FILTER SECTION AND OVERLAP UNDER GEOTEXTILE ±12". SEE LINER NOTES
4" OR 6" UNDERDRAIN (SLOTTED TYPE SP POLYETHYLENE) COLLECTION PIPE (SEE LOWER PLAN VIEW, TYP)
4' (TYP)
EQ (±7') (TYP)
EXISTING UNDISTURBED SUBGRADE OR BEDROCK (SEE NOTE 9)

SECTION A-A

LINER NOTES:

1. PRIOR TO CONSTRUCTING THE TREATMENT AREA, DIG A TEST PIT TO AT LEAST 18" BELOW THE BOTTOM OF FILTER BED ELEVATION AND ENGAGE A CERTIFIED SOIL SCIENTIST TO DETERMINE THE BEDROCK AND SEASONAL HIGH WATER ELEVATIONS. NOTIFY THE DESIGN ENGINEER AT LEAST 72 HOURS PRIOR TO MAKING THE DETERMINATION AND PROVIDE A WRITTEN RECORD OF THE BEDROCK/ WATER ELEVATIONS TO THE ARCHITECT FOR REVIEW PRIOR TO CONTINUING CONSTRUCTION OF THE TREATMENT AREA.
2. SHOULD THE TEST PIT INDICATE THAT THE BOTTOM OF FILTER BED ELEVATION IS BOTH ABOVE THE SEASONAL HIGH WATER TABLE AND 18" ABOVE BEDROCK ELEVATION, LINER AND UNDERDRAINS OUTSIDE OF THE TREATMENT AREA MAY BE DELETED IF APPROVED IN WRITING BY THE ARCHITECT AS A CHANGE TO THE CONSTRUCTION CONTRACT. BASE BIDS ON INCLUSION OF A LINER AND UNDERDRAINS AS INDICATED.

UNDERDRAINED SUBSURFACE SAND FILTER NOTES:

1. SEE SOIL AND SAND FILTER INSTALLATION/INSPECTION/MATERIAL NOTES, THIS SHEET.
2. CHAMBERS SELECTED MUST ACCOMMODATE HS-20 LOADING.
3. DIMENSIONS ARE BASED ON ONE MANUFACTURER. BASIS OF DESIGN IS AS FOLLOWS:
   PRE-TREATMENT CHAMBERS: CULTEC RECHARGER 280HD
   MODULAR BOX CHAMBERS: ACF ENVIRONMENTAL R-TANK SD (TRIPLE). 2
4. REQUIRED STORAGE VOLUME INSIDE CHAMBERS IS AS FOLLOWS:
   PRE-TREATMENT (EFFECTIVE STORAGE AFTER OVERLAP): ~~42.5 CF PER CHAMBER~~ (37.7 CF AT 18")
   MODULAR BOX CHAMBERS (ASSUMES 95% VOID SPACE): 6.5 CF PER CHAMBER (4.4 CF AT 18") 2
5. INSTALL CHAMBERS AND CONNECT PIPING TO CHAMBERS IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.
6. INSTALL INSPECTION AND CLEANOUT PORTS IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.
7. GEOTEXTILES USED AROUND CHAMBERS MUST CONFORM TO MANUFACTURER'S WRITTEN RECOMMENDATIONS.
8. SEE DRAWING CG101 FOR DRAINAGE STRUCTURE SCHEDULE.
9. WHERE LEDGE REMOVAL IS NECESSARY, REMOVE LOOSE ROCK TO EXPOSE SOUND, INTACT ROCK.

1 C-508 UNDERDRAINED SUBSURFACE SAND FILTER DETAILS

NOT TO SCALE

CS101,CG101,C-507

SOIL AND SAND FILTER INSTALLATION/INSPECTION/MATERIAL NOTES:

INSTALLATION AND COMPACTION

1. INSTALL MATERIALS IN 2" TO 9" LIFTS.
2. COMPACT MATERIALS IN ACCORDANCE WITH ASTM D698 TO THE FOLLOWING LEVELS:
   a. SAND FILTER: 92% TO 95% STANDARD PROCTOR
   b. SAND FILTER TRANSITION LAYER: 90% TO 92% STANDARD PROCTOR
   c. UNDERDRAIN BEDDING: 90% TO 92% STANDARD PROCTOR

CONSTRUCTION INSPECTION/OVERSIGHT

1. THE OWNER MUST RETAIN THE SERVICES OF AN INSPECTOR (DESIGN ENGINEER) TO INSPECT/OVERSEE THE CONSTRUCTION AND STABILIZATION OF ALL STORMWATER MANAGEMENT STRUCTURES. ONCE THE STORMWATER MANAGEMENT STRUCTURES ARE CONSTRUCTED AND TRIBUTARY AREAS ARE STABILIZED, THE INSPECTOR (OR OWNER) MUST NOTIFY THE DEP IN WRITING TO STATE THAT CONSTRUCTION OF THE TREATMENT AREA HAS BEEN COMPLETED. ACCOMPANYING THE NOTIFICATION MUST BE A LOG OF THE INSPECTIONS GIVING THE DATE OF EACH INSPECTION, THE TIME OF EACH INSPECTION, THE ITEMS INSPECTED ON EACH VISIT, AND THE RESULTS OF THE INSPECTION. INCLUDE IN THE NOTIFICATION TESTING DATA/SIEVE ANALYSIS DATA OF MATERIALS THAT MAKE UP THE SOIL FILTER (TYPE B AND TYPE C UNDERDRAIN MATERIAL AND FILTER MEDIA).
2. INSPECTION OF THE FILTER BASIN MUST BE PROVIDED FOR EACH PHASE OF CONSTRUCTION, WITH REQUIRED REPORTING TO THE DEP. AT A MINIMUM, INSPECTIONS WILL OCCUR:
   a. AFTER PRELIMINARY CONSTRUCTION OF THE FILTER GRADES AND ONCE THE UNDERDRAIN PIPES ARE INSTALLED BUT NOT BACKFILLED;
   b. AFTER THE DRAINAGE LAYER IS CONSTRUCTED AND PRIOR TO THE INSTALLATION OF THE FILTER MEDIA/FILTER SAND;
   c. AFTER THE FILTER MEDIA/FILTER SAND HAS BEEN INSTALLED.
   d. AFTER THE SAND FILTER CHAMBERS HAVE BEEN INSTALLED BUT NOT BACKFILLED.
   e. AFTER BACKFILLING OVER THE SAND FILTER CHAMBERS BUT PRIOR TO INSTALLING TOPSOIL.
   f. ALL MATERIAL USED FOR THE CONSTRUCTION OF THE SAND FILTER IS SUBJECT TO APPROVAL BY THE INSPECTOR AFTER TESTS BY A CERTIFIED LABORATORY SHOW THAT THEY ARE PASSING DEP SPECIFICATIONS.
3. NOTIFY THE OWNER/INSPECTOR AT LEAST 72 HOURS PRIOR TO THE ANTICIPATED COMPLETION OF EACH OF THE ITEMS LISTED ABOVE TO COORDINATE TIMING OF INSPECTIONS.

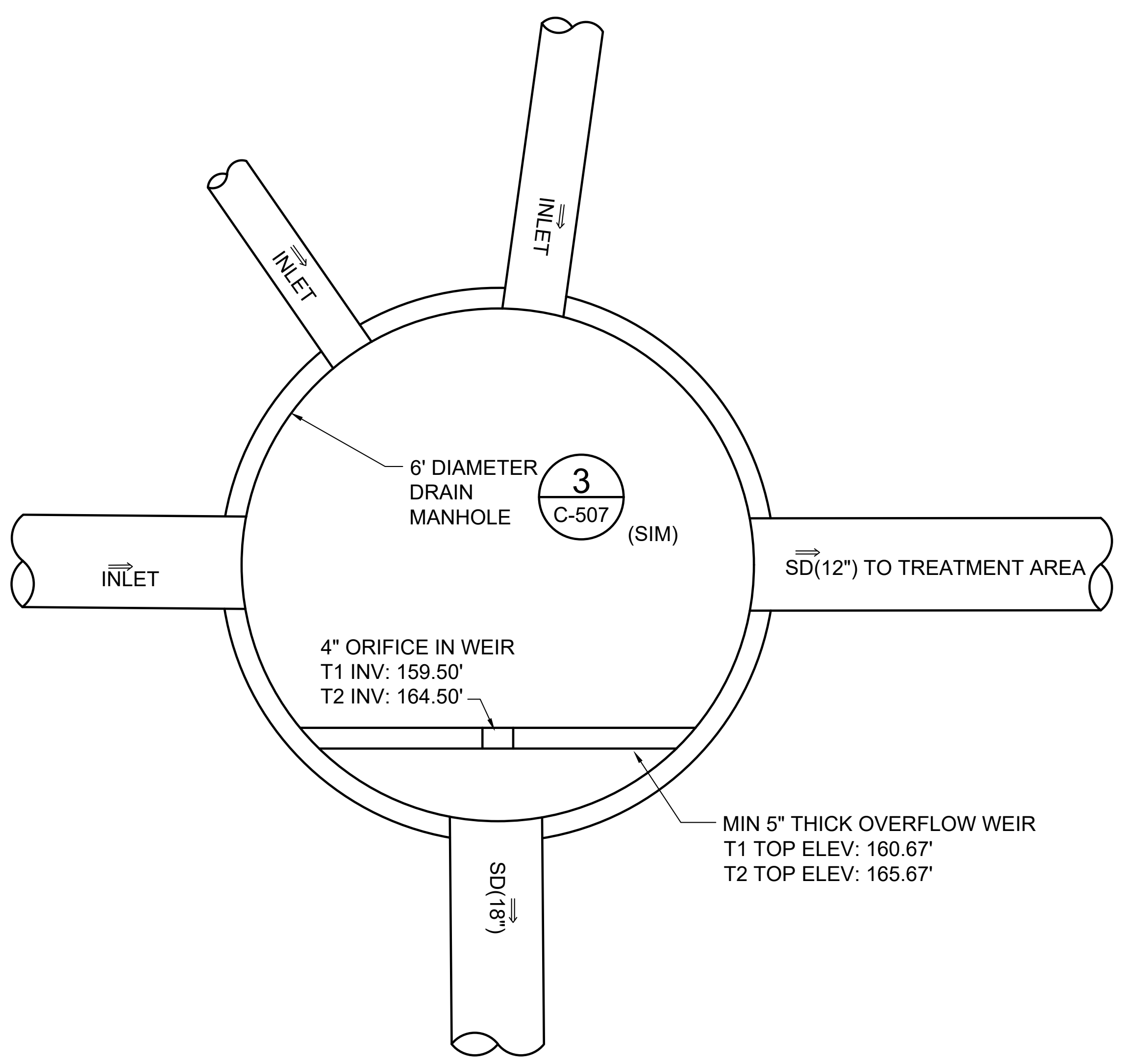
TESTING AND SUBMITTALS

1. TESTING AND SUBMITTALS: IDENTIFY THE LOCATION OF THE SOURCE OF EACH COMPONENT OF THE SOIL FILTER SYSTEMS. SAMPLES USED FOR ANALYSIS MUST BE A COMPOSITE OF AT LEAST THREE DIFFERENT LOCATIONS (GRABS) FROM THE STOCKPILE OR PIT FACE (SAMPLE SIZE REQUIRED WILL BE DETERMINED BY THE TESTING LABORATORY). SUBMIT ALL RESULTS OF THE FOLLOWING FIELD AND LABORATORY TESTING TO THE OWNER/ARCHITECT FOR REVIEW AND APPROVAL:
   a. PERFORM AND SUBMIT A SIEVE ANALYSIS CONFORMING TO ASTM C136 (STANDARD TEST METHOD FOR SIEVE ANALYSIS OF FINE AND COARSE AGGREGATES; 1996A) FOR MATERIALS INDICATED TO CONFIRM THE MEET THE REQUIRED GRADATIONS.
   b. PERFORM A PERMEABILITY TEST ON THE FILTER SAND CONFORMING TO ASTM D2434 WITH THE MIXTURE COMPACTED TO 92-95% OF MAXIMUM DRY DENSITY BASED ON ASTM D698. THE RESULTING PERMEABILITY MUST BE BETWEEN 1 AND 2 INCHES PER HOUR.

MATERIAL GRADATION REQUIREMENTS

SIEVE SIZE	% PASSING BY WEIGHT		
	MDOT 703.22, TYPE B	MDOT 703.22, TYPE C	FILTER SAND (MDOT 703.01)
2"	-	-	-
1"	95-100	100	-
3/4"	-	90-100	-
1/2"	75-100	-	-
3/8"	-	0-75	100
#4	50-100	0-25	95-100
#8	-	-	80-100
#10	-	0-5	-
#16	-	-	50-85
#20	15-80	-	-
#30	-	-	25-60
#40	-	-	-
#50	0-15	-	-
#60	-	-	10-30
#100	-	-	2-10
#200	0-5	-	0-5 (8-10% PREFERRED)
CLAY	-	-	-

**PERMEABILITY OF FILTER SAND BE BETWEEN 1 AND 2 INCHES PER HOUR.



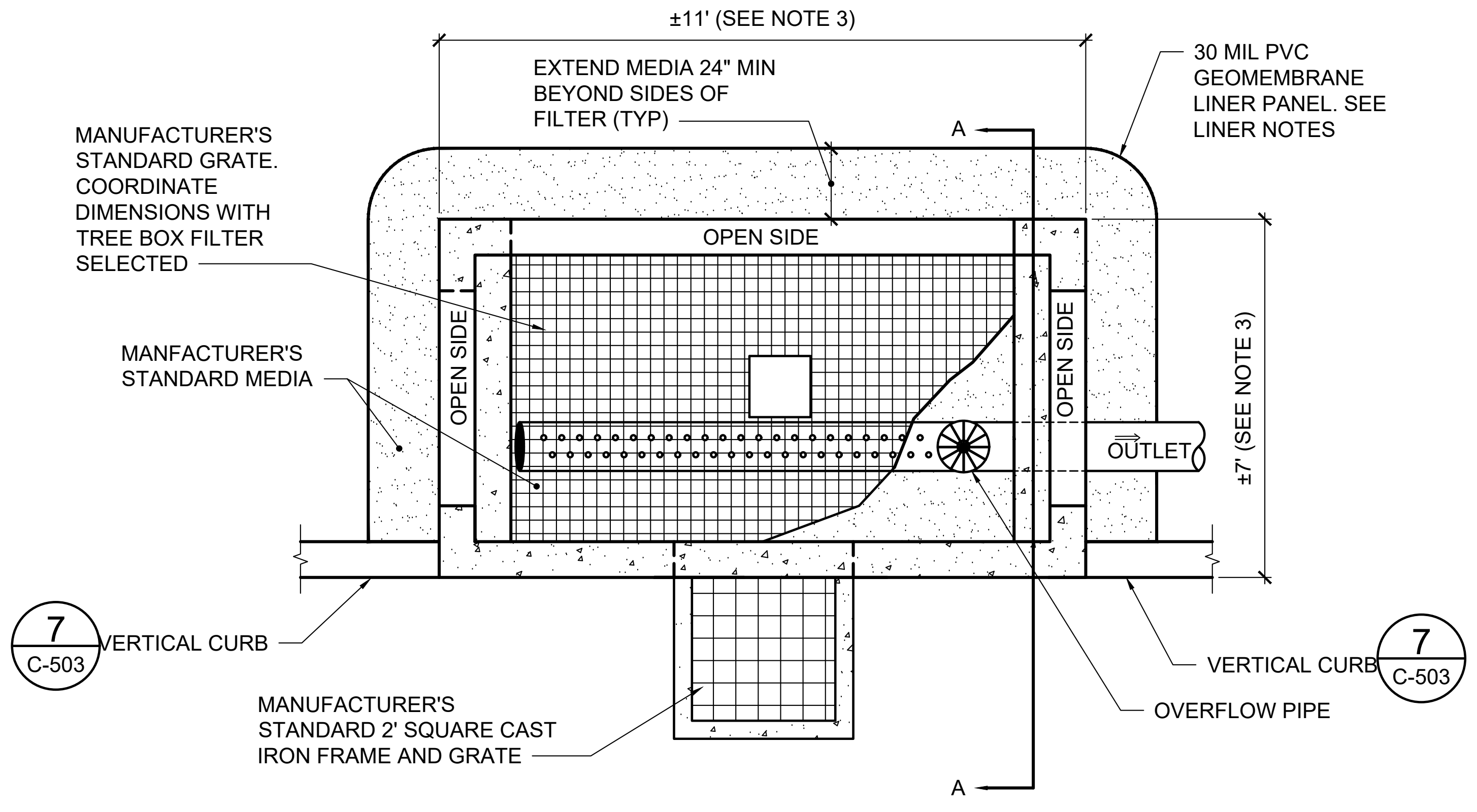
NOTE:

REFER TO SHEET CG101 FOR INLET SIZE, NUMBER, LOCATION AND INVERT ELEVATIONS.

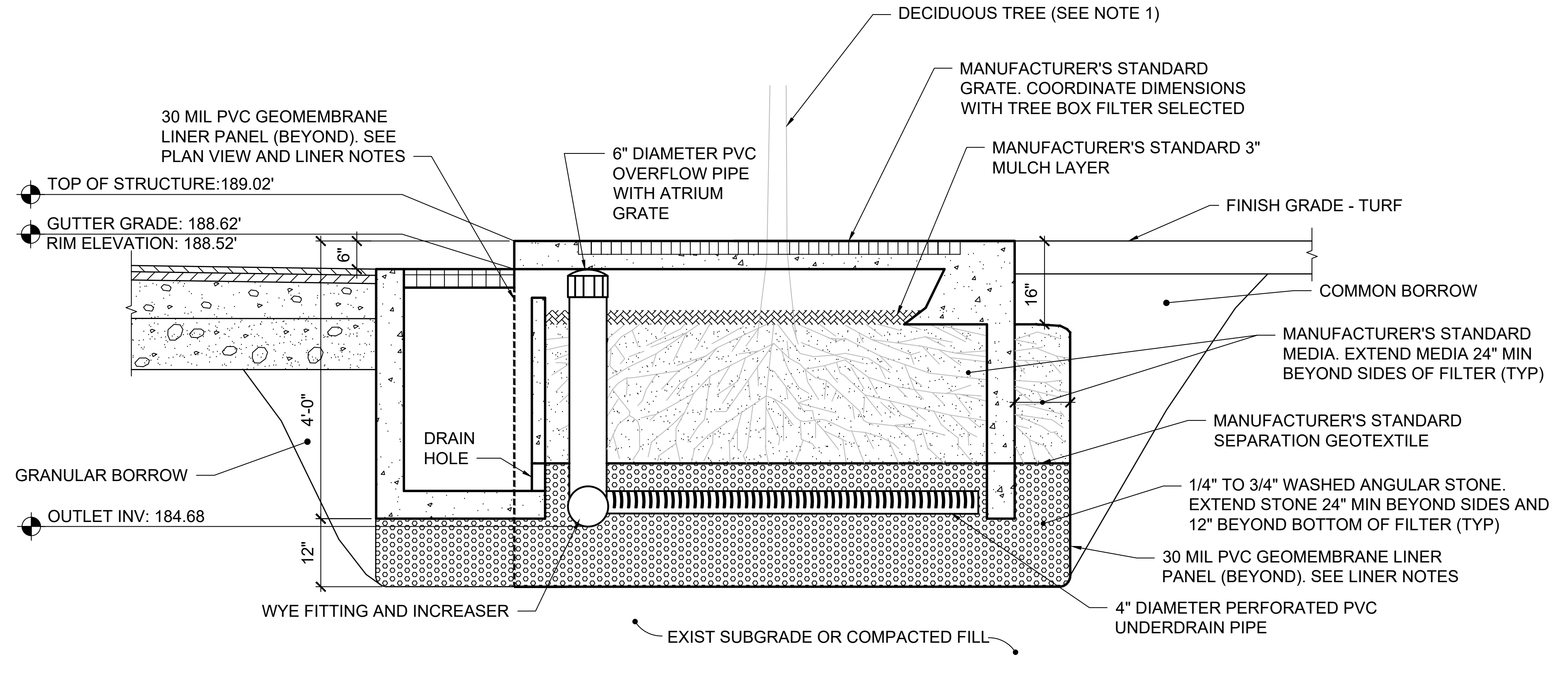
2 C-508 TREATMENT AREA INLET DETAIL

NOT TO SCALE

CG101,C-508


±11' (SEE NOTE 3)
EXTEND MEDIA 24" MIN BEYOND SIDES OF FILTER (TYP)
30 MIL PVC GEOMEMBRANE LINER PANEL. SEE LINER NOTES
MANUFACTURER'S STANDARD GRATE. COORDINATE DIMENSIONS WITH TREE BOX FILTER SELECTED
A
OPEN SIDE
OPEN SIDE
OPEN SIDE
MANFACTURER'S STANDARD MEDIA
OUTLET
±7' (SEE NOTE 3)
7
C-503
VERTICAL CURB
VERTICAL CURB
7
C-503
OVERFLOW PIPE
MANUFACTURER'S STANDARD 2' SQUARE CAST IRON FRAME AND GRATE
A

PLAN VIEW


DECIDUOUS TREE (SEE NOTE 1)
MANUFACTURER'S STANDARD GRATE. COORDINATE DIMENSIONS WITH TREE BOX FILTER SELECTED
30 MIL PVC GEOMEMBRANE LINER PANEL (BEYOND). SEE PLAN VIEW AND LINER NOTES
6" DIAMETER PVC OVERFLOW PIPE WITH ATRIUM GRATE
MANUFACTURER'S STANDARD 3" MULCH LAYER
TOP OF STRUCTURE:189.02'
GUTTER GRADE: 188.62'
RIM ELEVATION: 188.52'
FINISH GRADE - TURF
6"
16"
COMMON BORROW
MANUFACTURER'S STANDARD MEDIA. EXTEND MEDIA 24" MIN BEYOND SIDES OF FILTER (TYP)
4'-0"
DRAIN HOLE
MANUFACTURER'S STANDARD SEPARATION GEOTEXTILE
GRANULAR BORROW
1/4" TO 3/4" WASHED ANGULAR STONE. EXTEND STONE 24" MIN BEYOND SIDES AND 12" BEYOND BOTTOM OF FILTER (TYP)
OUTLET INV: 184.68
12"
30 MIL PVC GEOMEMBRANE LINER PANEL (BEYOND). SEE LINER NOTES
WYE FITTING AND INCREASER
4" DIAMETER PERFORATED PVC UNDERDRAIN PIPE
EXIST SUBGRADE OR COMPACTED FILL

SECTION A-A

LINER NOTES:

1. PRIOR TO CONSTRUCTING THE TREATMENT AREA, DIG A TEST PIT TO AT LEAST 18" BELOW THE BOTTOM OF FILTER BED ELEVATION AND ENGAGE A CERTIFIED SOIL SCIENTIST TO DETERMINE THE BEDROCK AND SEASONAL HIGH WATER ELEVATIONS. NOTIFY THE DESIGN ENGINEER AT LEAST 72 HOURS PRIOR TO MAKING THE DETERMINATION AND PROVIDE A WRITTEN RECORD OF THE BEDROCK/ WATER ELEVATIONS TO THE ARCHITECT FOR REVIEW PRIOR TO CONTINUING CONSTRUCTION OF THE TREATMENT AREA.
2. SHOULD THE TEST PIT INDICATE THAT THE BOTTOM OF FILTER BED ELEVATION IS BOTH ABOVE THE SEASONAL HIGH WATER TABLE AND 18" ABOVE BEDROCK ELEVATION, THE LINER MAY BE DELETED IF APPROVED IN WRITING BY THE ARCHITECT AS A CHANGE TO THE CONSTRUCTION CONTRACT. BASE BIDS ON INCLUSION OF A LINER AND UNDERDRAINS AS INDICATED.

TREE BOX FILTER NOTES:

1. COORDINATE TREE/SHRUB SELECTION WITH MANUFACTURER'S RECOMMENDATIONS AND CITY OF AUGUSTA REQUIREMENTS.
2. BASIS OF DESIGN PRODUCT: STORMTREE ST 6X10 CB. ALTERNATE TREE BOX FILTERS SELECTED MUST BE APPROVED FOR USE BY THE MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION AND THE ARCHITECT. PROVIDE WRITTEN DOCUMENTATION OF APPROVAL PRIOR TO INSTALLATION.
3. DIMENSIONS INDICATED ARE BASED ON ONE MANUFACTURER. COORDINATE FINAL DIMENSIONS WITH MANUFACTURER'S RECOMMENDATIONS FOR PRODUCT SELECTED.
4. INSTALL IN ACCORDANCE WITH MANUFACTURER'S WRITTEN RECOMMENDATIONS. COORDINATE COMMISSIONING OF UNITS WITH MANUFACTURER AND ARCHITECT.

3 C-508 TREE BOX FILTER DETAILS

NOT TO SCALE

CS101,CG101

NO.	DATE	DESCRIPTION	BY
1	03/06/25	ADDENDUM 5	JSD
1	02/27/25	ADDENDUM 2	JSD

REVISIONS

JONAH DeWATERS
No. 12273
LICENSED PROFESSIONAL ENGINEER

DRAWN BY: JSD
CHECK BY: JSD
NO.
DATE 01/29/2025

DEPARTMENT OF INLAND FISHERIES & WILDLIFE
TITLE NEW OFFICE HEADQUARTERS
LOCATION AUGUSTA, MAINE
TITLE THIS DWG.
SITE DETAILS - 6

OAK POINT ASSOCIATES
ARCHITECTURE ■ ENGINEERING ■ PLANNING
231 Main Street, Biddeford, Maine 04005 207.283.0193

DRAWING NO.
C-508
SHEET NO.
38 OF 239