

STATE OF DELAWARE

DELAWARE ARMY NATIONAL GUARD

BUILDING 151 RENOVATIONS

BETHANY BEACH TRAINING SITE

BETHANY BEACH, DE 19930



DELAWARE ARMY NATIONAL GUARD
BETHANY BEACH TRAINING SITE
BUILDING 151 RENOVATIONS
BETHANY BEACH, DELAWARE

DRAWING INDEX

GENERAL
 G-101 COVER SHEET
 G-102 SYMBOLS & ABBREVIATIONS
 G-103 LIFE SAFETY PLAN & CODE DATA

CIVIL
 C-101 SITE PLAN

ARCHITECTURAL
 AD101 FLOOR PLAN - DEMOLITION
 A-101 FLOOR PLAN - NEW WORK
 A-401 TOILET ACCESSORY PLAN, SCHEDULE AND INTERIOR ELEVATIONS
 A-501 WALL TYPES & DETAILS
 A-601 SCHEDULES

PLUMBING
 P-001 SYMBOLS & ABBREVIATIONS
 PD101 FIRST FLOOR SANITARY & VENT PLAN - DEMOLITION
 PD102 FIRST FLOOR DOMESTIC WATER PLAN - DEMOLITION
 P-101 FIRST FLOOR SANITARY & VENT PLAN
 P-102 FIRST FLOOR DOMESTIC WATER PLAN

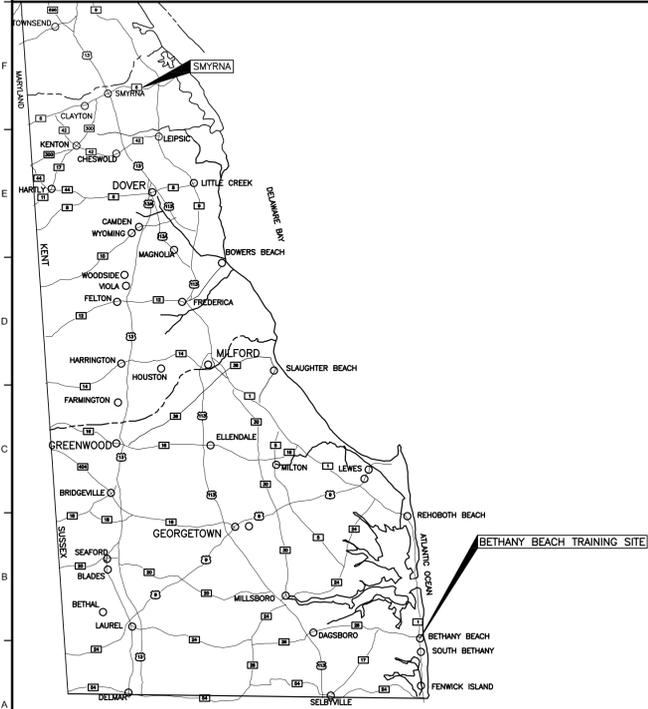
MECHANICAL
 M-001 SYMBOLS, ABBREVIATIONS, AND SCHEDULES
 MD101 FIRST FLOOR PLAN - DEMOLITION
 M-101 FIRST FLOOR PLAN

ELECTRICAL
 E-001 SYMBOLS & ABBREVIATIONS
 ED101 FIRST FLOOR PLAN - LIGHTING - DEMOLITION
 ED102 FIRST FLOOR PLAN - POWER - DEMOLITION
 E-101 FIRST FLOOR PLAN - LIGHTING
 E-102 FIRST FLOOR PLAN - POWER
 E-601 SCHEDULES
 E-602 SCHEDULES

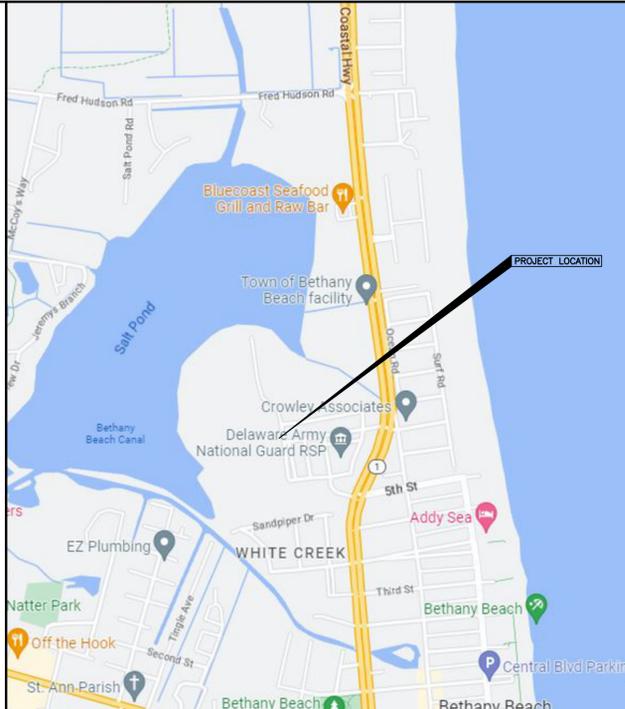
GENERAL NOTES

GENERAL NOTES:

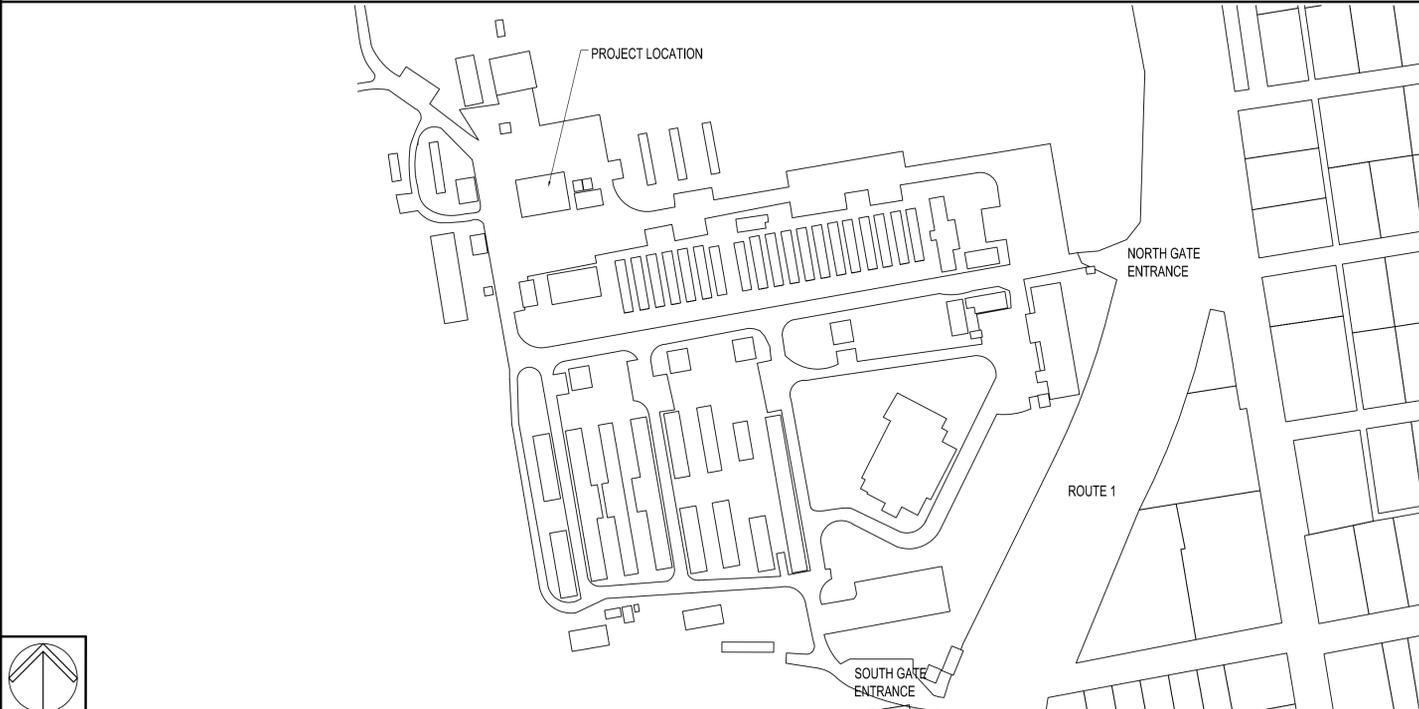
1. THESE DRAWINGS ARE PROVIDED FOR THE EXCLUSIVE USE OF DEARNG. OWNER/ARCHITECT SERVICES AGREEMENT IS FOR ARCHITECTURAL AND STRUCTURAL DRAWINGS. DESIGN, COORDINATION & CODE COMPLIANCE IS THE RESPONSIBILITY OF THE CONTRACTOR AND/OR OTHER CONSULTANTS.
2. IT IS AGREED THAT THE PROFESSIONAL SERVICES OF THE ARCHITECT DO NOT EXTEND TO OR INCLUDE THE REVIEW OR OBSERVATION OF THE CONTRACTOR'S WORK OR PERFORMANCE.
3. THE CONTRACTOR SHALL VERIFY ALL SITE CONDITIONS AND DIMENSIONS BEFORE CONSTRUCTION. ANY VARIATIONS OR DISCREPANCIES SHALL BE BROUGHT TO THE ARCHITECT'S ATTENTION PRIOR TO CONSTRUCTION.
4. ANY CHANGE OR FIELD ALTERATION SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO CONSTRUCTION.
5. ANY ITEMS NOT SPECIFICALLY SHOWN ON THE DRAWINGS, BUT WHICH ARE REASONABLY INCIDENTAL TO AND NECESSARY FOR THE SATISFACTORY COMPLETION OF THE PROJECT IN ACCORDANCE WITH INDUSTRY STANDARDS, ARE INCLUDED WITHIN THE INTENT OF THESE DRAWINGS.
6. BUILDING CODE COMPLIANCE, CONSTRUCTION DETAILING, AND COORDINATION RESULTING FROM THE USE OF THESE DRAWINGS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
7. CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL NECESSARY SHORING, BRACING AND CONSTRUCTION AIDES FOR DEMOLITION AND NEW CONSTRUCTION.



LOCATION MAP



VICINITY MAP



SITE MAP

| DATE | COMMENTS |
|---------|-------------------------|
| 11/24 | 80% DESIGN SUBMISSION |
| 2/19/24 | ASR SUBMISSION |
| 2/28/24 | FIRE MARSHAL SUBMISSION |
| 3/12/24 | 89% SUBMISSION |

Date: MARCH 18, 2025
 Scale: AS NOTED
 Dwn.By: PJT
 Proj.No.: 0999J047.A01

TITLE SHEET

Dwg.No.:

G-101

**ARCHITECTURAL WORKING
DRAWING ABBREVIATIONS**

SYMBOLS used as abbreviations

| | |
|----|---------------|
| ∠ | angle |
| — | centerline |
| — | penny |
| ⊥ | perpendicular |
| PL | plate |
| ○ | round |

ABBREVIATIONS

| | |
|------|--------------------|
| ABV | above |
| AFF | above finish floor |
| ACC | access |
| ACFL | access floor |
| AP | access panel |
| AC | acoustical |
| ACT | acoustical tile |
| ACD | addendum |
| ADH | adhesive |
| ADJ | adjacent |
| ADJT | adjustable |
| AGG | aggregate |
| A/C | air conditioning |
| ALT | alternate |
| AL | aluminum |
| ANC | anchor, anchorage |
| AB | anchor bolt |
| ANDO | anodized |
| APX | approximate |
| ARCH | architect (ural) |
| AD | area drain |
| ASB | asbestos |
| ASPH | asphalt |
| AUTO | automatic |

| | |
|------|-------------------|
| BP | back plaster (ed) |
| BSMT | basement |
| BRG | bearing |
| BPL | bearing plate |
| BM | bench mark |
| BEL | below |
| BET | between |
| BVL | beveled |
| BIT | bituminous |
| BLK | block |
| BLKG | blocking |
| BD | board |
| BS | both sides |
| BW | both ways |
| BOT | bottom |
| BRK | brick |
| BRZ | bronze |
| BLDG | building |
| BUR | built up roofing |
| BBD | bulletin board |

| | |
|-------|---------------------------|
| CAB | cabinet |
| CPT | carpet |
| CSMT | casement |
| CIPC | cast-in-place-concrete |
| CB | catch basin |
| CK | caulking |
| CLG | ceiling |
| CHT | ceiling height |
| CEM | cement |
| PCPL | cement plaster (portland) |
| CTR | center |
| CER | ceramic |
| CT | ceramic tile |
| CMT | ceramic mosaic tile |
| CHBD | chalkboard |
| CHAM | chamfer |
| CIR | circle |
| CIRC | circumference |
| CLR | clear or clearance |
| COL | column |
| COMB | combination |
| CONC | concrete |
| CMU | concrete masonry unit |
| CONTR | contract (or) |
| CONST | construction |
| CONT | continuous or continue |
| CLL | contract limit line |
| CJT | control joint |
| CPR | copper |
| CORR | corrugated |
| CTR | counter |
| CFL | counterflashing |
| CTSK | countersunk screw |
| CRS | course (s) |
| CFT | cubic feet |
| CYD | cubic yard |

| | |
|------|----------------------|
| DPR | damp proofing |
| DL | dead load |
| DEM | demolish, demolition |
| DTL | detail |
| DIAG | diagonal |
| DIAM | diameter |
| DR | door |
| DA | double acting |
| DH | double hung |
| DN | down |
| DS | downspout |
| D | drain |
| DT | drain tile |
| DWR | drawer |
| DWG | drawing |
| DF | drinking fountain |
| D | dryer |

| | |
|------|----------------------|
| DP | damp proofing |
| DL | dead load |
| DEM | demolish, demolition |
| DTL | detail |
| DIAG | diagonal |
| DIAM | diameter |
| DR | door |
| DA | double acting |
| DH | double hung |
| DN | down |
| DS | downspout |
| D | drain |
| DT | drain tile |
| DWR | drawer |
| DWG | drawing |
| DF | drinking fountain |
| D | dryer |

| | |
|------|-----------------------|
| EF | each face |
| E | east |
| ELEC | electric (al) |
| EP | electrical panelboard |
| EWC | electric water cooler |
| EL | elevation |
| ELEV | elevator |
| EMER | emergency |
| ENC | enclose |
| EQ | equal |
| EOP | equipment |
| EST | estimate |
| EXCA | excavate |
| EXH | exhaust |
| EXG | existing |
| EJT | expansion joint |
| EB | expansion bolt |
| EXP | exposed |
| EXT | exterior |

| | |
|------|-------------------------------|
| FE | fire extinguisher |
| FEC | fire extinguisher cabinet |
| FOF | face of finish |
| FOM | face of masonry |
| FOF | face of studs |
| FF | factory finish |
| FAS | fasten, fastener |
| FN | fence |
| FBD | fiberboard |
| FGL | fiberglass |
| FRP | fiberglass reinforced plastic |
| FIN | finish (ed) |
| FFE | finished floor elevation |
| FFL | finished floor line |
| FA | fire alarm |
| FE | fire extinguisher |
| FEC | fire extinguisher cabinet |
| FPL | fireplace |
| FLG | flashing |
| FLR | floor (ing) |
| FLCO | floor cleanout |
| FD | floor drain |
| FLPL | floor plate |
| FLUR | fluorescent |
| FTG | footing |
| FND | foundation |
| FR | frame (d) (ing) |
| FBO | furnished by others |
| FUR | furred (ing) |
| FUT | future |

| | |
|------|--------------------------------------|
| GA | gage, gauge |
| GV | galvanized |
| GC | general contract (or) |
| GL | glass, glazing |
| GLB | glass block |
| GB | grab bar |
| GD | grade, grading |
| GVL | grave; |
| GT | grout |
| GPDW | gypsum drywall |
| HBD | hardboard |
| HDW | hardware |
| HWD | hardwood |
| HDR | header |
| HTG | heating |
| HVAC | heating/ventilation/air conditioning |
| HD | heavy duty |
| HT | height |
| HDPE | high-density polyethelene |
| HC | hollow core |
| HM | hollow metal |

| | |
|------|--------------------|
| HOR | horizontal |
| HB | hose bib |
| HV | heat ventilator |
| HWH | hot water heater |
| INCL | include (d) (ing) |
| ID | inside diameter |
| INS | insulate (d) (ion) |
| INT | interior |
| INV | invert |
| JC | janitor's closet |
| JT | joint |
| J | joist |

| | |
|-----|-----------|
| KPL | kickplate |
| KIT | kitchen |
| KO | knockout |
| LBL | label |
| LAD | ladder |
| LB | lag bolt |
| LAM | laminare |
| LAV | lavatory |
| LH | left hand |
| L | length |
| LT | light |
| LTL | lintel |
| LVR | louver |
| LL | live load |

| | |
|------|---------------------|
| MH | manhole |
| MFR | manufacture (er) |
| MAD | masonry |
| MO | masonry opening |
| MTL | material (s) |
| MAX | maximum |
| MECH | mechanic (al) |
| MC | medicine cabinet |
| MBR | member |
| MMB | membrane |
| MET | metal |
| MFD | metal floor decking |
| MTFR | metal furring |
| MRD | metal roof decking |
| MTHR | metal threshold |
| MWK | millwork |
| MIN | minimum |
| MIR | mirror |
| MISC | miscellaneous |
| MOD | modular |
| MLD | molding, moulding |
| MR | mop receptor |
| MT | mount (ed) (ing) |
| MOV | movable |
| MUL | mullion |

| | |
|------|-----------------------|
| NAT | natural |
| NOM | nominal |
| N | north |
| NIC | not in contract |
| NTS | not to scale |
| OBS | obscure |
| OC | on center (s) |
| OP | opaque |
| OPG | opening |
| OJ | open-web joist |
| OPP | opposite |
| OPH | opposite hand |
| OD | outside diameter |
| OA | overall |
| OH | overhead |
| PNT | paint (ed) |
| PNL | panel |
| PB | panic bar |
| PTD | paper towel dispenser |
| PTR | paper towel receptor |
| PAR | parallel |
| PK | parking |
| PDB | particle board |
| PTN | partition |
| PV | pave (d) (ing) |
| PTMT | pavement |
| PERF | perforate |
| PERI | perimeter |
| PLAS | plaster |
| PLAM | plastic laminate |
| PL | plate |
| PG | plate glass |
| PWD | plywood |

| | |
|-------|--------------------------|
| PT | point |
| PVC | polyvinyl chloride |
| PCF | pounds per cubic foot |
| PLF | pounds per lineal foot |
| PSF | pounds per square foot |
| PSI | pounds per square inch |
| PSL | parallel strand lumber |
| P/C | pre-cast |
| PFB | prefabricated |
| PFN | prefinished |
| PRF | preformed |
| PRTR | pressure treated wood |
| PL | property line |
| QT | quarry tile |
| RL | rail (ing) |
| RWC | rain water collector |
| REF | reference |
| RFL | reflect (ed) (ive) (or) |
| REFR | refrigerator |
| REG | register |
| REINF | reinforce (d) (ing) |
| RCP | reinforced concrete pipe |
| ROW | right-of-way |
| RES | resilient |
| RET | return |
| RA | return air |
| REV | revision (s), revised |
| RH | right hand |
| ROW | right of way |
| R | riser |
| RD | roof drain |
| RFL | roof hatch |
| RFG | roofing |
| RM | room |
| RO | rough opening |
| RB | rubber base |

| | |
|----------|------------------------|
| SCHED | schedule |
| SNT | sealant |
| SECT | section |
| SSK | service sink |
| SHTH | sheathing |
| SHT | sheet |
| SG | sheet glass |
| SH | shelf, shelving |
| SHO | shore (d) (ing) |
| SIM | similar |
| SKL | skylight |
| SL | sleeve |
| SC | solid core |
| S | south |
| SPC | spacer |
| SPL | special |
| SPEC | specification (s) |
| SQ | square |
| SST | stainless steel |
| STD | standard |
| STL | steel |
| STOR | storage |
| SD | storm drain |
| STRUCT | structural |
| SYM | symmetry (ical) |
| SYS | system |
| TKBD | taskboard |
| TEL | telephone |
| TV | television |
| TZ | terazzo |
| THK | thick (ness) |
| THRES | threshold |
| TPTN | toilet partition |
| TPD | toilet paper dispenser |
| TOL | tolerance |
| T&G | tongue and groove |
| T O SLAB | top of slab |
| TOS | top of steel |
| TW | top of wall |
| TB | towel bar |
| TRT | treat (ed) |
| TRANS | transverse |
| T | tread |
| TYP | typical |
| UC | undercut |
| UNF | unfinished |
| UR | urinal |
| UNO | unless noted otherwise |
| VB | vapor barrier |
| VERT | vertical |

| | |
|------|------------------------|
| VCT | vinyl composition tile |
| VB | vinyl base |
| VT | vinyl tile |
| WSCT | wainscot |
| WH | wall hung |
| W | washing machine |
| WC | water closet |
| WP | waterproofing |
| WS | waterstop |
| WWF | welded wire fabric |
| W | west |
| WHB | wheel bumper |
| WTH | wide, width |
| W/ | with |
| WIN | window |
| WG | wired glass |
| WM | wire mesh |
| WO | without |
| WD | wood |
| WB | wood base |
| WPT | working point |

| | |
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| W | washing machine |
| WC | water closet |
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MATERIAL LEGEND

| | |
|--|--|
| | MASONRY IN ELEVATION |
| | CONCRETE IN PLAN OR DRYWALL IN PLAN OR SECTION |
| | CONCRETE IN SECTION |
| | EARTH IN SECTION |
| | WOOD (ROUGH) IN SECTION |
| | BRICK IN SECTION |
| | CONCRETE MASONRY UNIT IN SECTION |
| | BATT INSULATION IN SECTION |
| | RIGID INSULATION IN SECTION |
| | WOOD (FINISH) IN SECTION |

GRAPHIC SYMBOL LEGEND

| | |
|--|--|
| | CENTER LINE |
| | HIDDEN LINE |
| | DEMOLITION |
| | EXISTING WALL AND DOOR TO REMAIN |
| | EXISTING STUD OR MASONRY WALL |
| | NEW CMU WALL (SEE PARTITION TYPES FOR REQUIREMENTS) |
| | NEW STUD WALL (SEE PARTITION TYPES FOR REQUIREMENTS) |

SYMBOLS LEGEND

| | |
|--|---|
| | DRAWING KEYNOTE |
| | DOOR TAG (SEE DOOR SCHEDULE) |
| | PARTITION TYPE |
| | ROOM TAG |
| | ROOM FINISH DESIGNATION |
| | ELEVATION XX = SHEET NUMBER YY = ELEVATION NUMBER |
| | NORTH ARROW |
| | PROJECT NORTH |
| | SECTION DETAIL |

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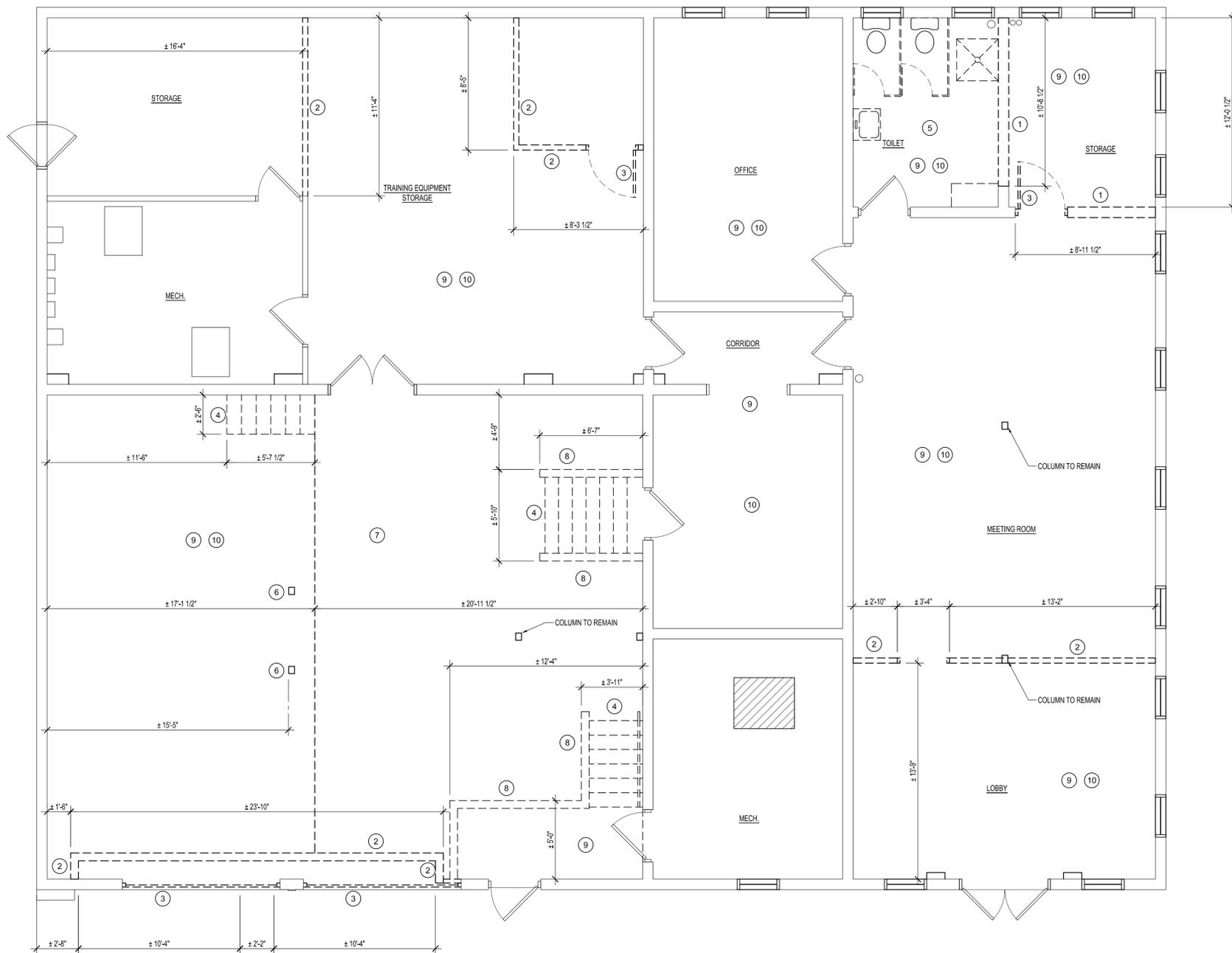
**DELAWARE ARMY NATIONAL GUARD
BETHANY BEACH TRAINING SITE
BUILDING 151 RENOVATIONS
BETHANY BEACH, DELAWARE**

| DATE | COMMENTS |
|---------|-------------------------|
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| 2/19/24 | ASB SUBMISSION |
| 2/28/24 | FIRE MARSHAL SUBMISSION |
| 1/12/24 | 80% SUBMISSION |

| | |
|-----------|----------------|
| Date: | MARCH 18, 2025 |
| Scale: | AS NOTED |
| Dwn.By: | PJT |
| Proj.No.: | 0999J047.A01 |

SYMBOLS & ABBREVIATIONS

Dwg.No.: **G-102**



- DEMOLITION DRAWING NOTES**
1. REMOVE CMU WALL & FINISHES.
 2. REMOVE STUD WALL & FINISHES.
 3. REMOVE DOOR, FRAME & HARDWARE.
 4. REMOVE STAIRS AND HANDRAIL/GUARDRAILS.
 5. REMOVE PLUMBING FIXTURES, TOILET PARTITIONS, DOOR AND ACCESSORIES & CAP PLUMBING LINES.
 6. REMOVE WOOD COLUMN.
 7. REMOVE RAISED PLATFORM WOOD STRUCTURE.
 8. REMOVE LOW WALL, FINISHES & WOOD CAP.
 9. REMOVE FLOORING & WALL BASE.
 10. REMOVE CEILING & GRID IN THEIR ENTIRETY.



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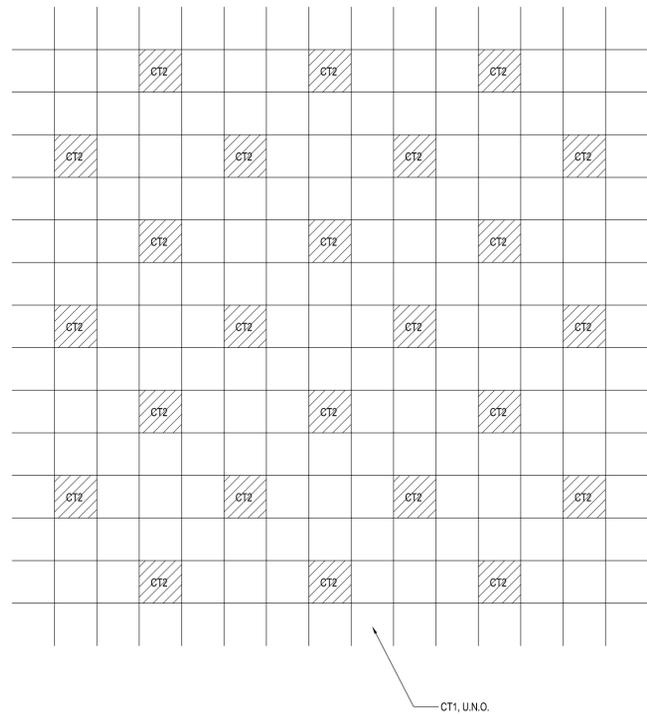
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**FLOOR PLAN -
DEMOLITION**

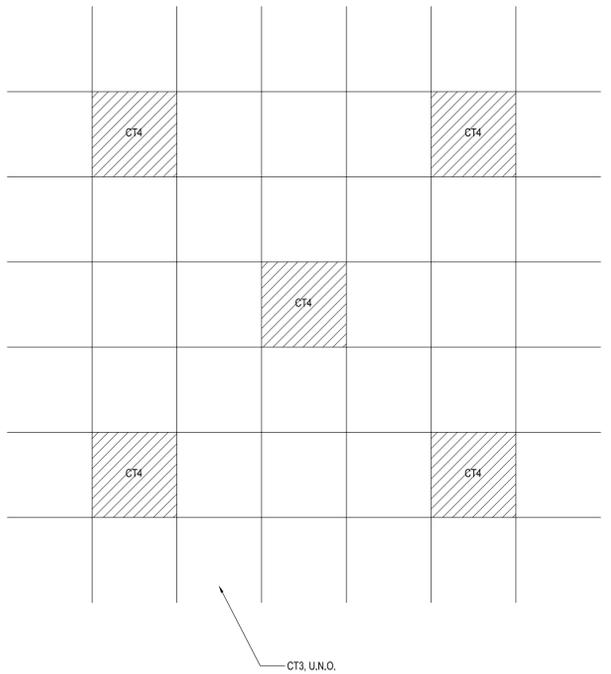
Dwg.No.: **AD101**

A1 FLOOR PLAN - DEMOLITION

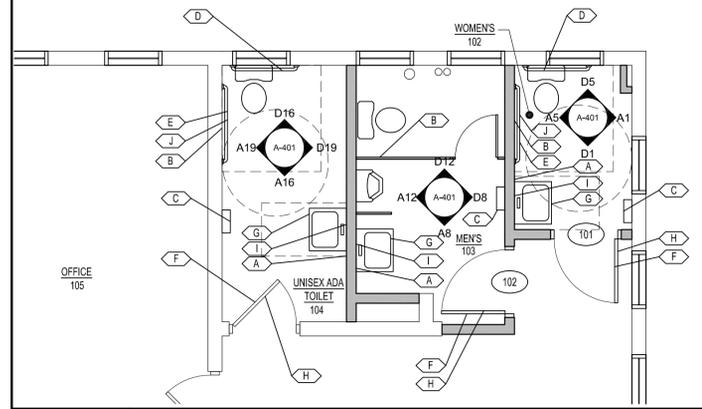
1/4" = 1'-0"



WALL PATTERN



FLOOR PATTERN



L16 TOILET ACCESSORY PLAN

1/4" = 1'-0"

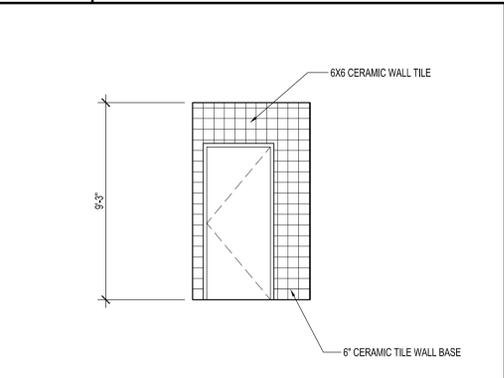
| TOILET ACCESSORIES SCHEDULE | | |
|-----------------------------|--|---|
| DES. | DESCRIPTION | MOUNTING HT. TOP = TOP CL = CENTERLINE BT = BOTTOM |
| A | SOAP DISPENSER | 40" (CL) |
| B | TOILET TISSUE HOLDER | 19" (CL) |
| C | SURFACE MOUNTED WASTE RECEPTACLE/TOWEL DISPENSER | 67 11/16" (TOP) |
| D | 36" HANDRAIL | 35" (CL) |
| E | 42" HANDRAIL | 35" (CL) |
| F | COAT HOOK | 48" (CLR) |
| G | UNDER LAVATORY PIPE PROTECTION | -- |
| H | TACTILE RESTROOM SIGNAGE | 48" (BT) |
| I | 24" X 36" ADA COMPLIANT MIRROR | 40" (BT) |
| J | 18" VERTICAL HANDRAIL | 40" (BT) |

H1 CERAMIC TILE PATTERN

NTS

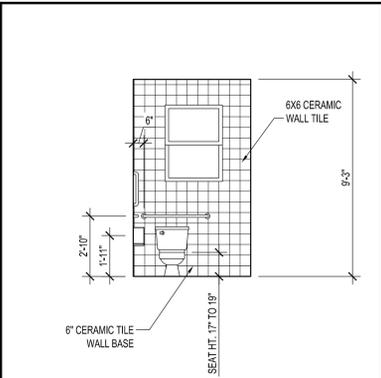
H16 FLOOR PLAN - NEW WORK

1/4" = 1'-0"



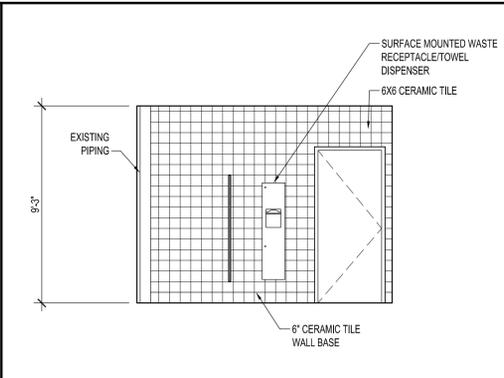
D1 WOMEN'S INTERIOR ELEVATION

1/4" = 1'-0"



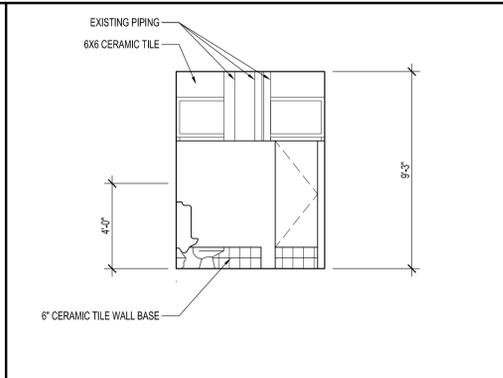
D5 WOMEN'S INT. ELEV.

1/4" = 1'-0"



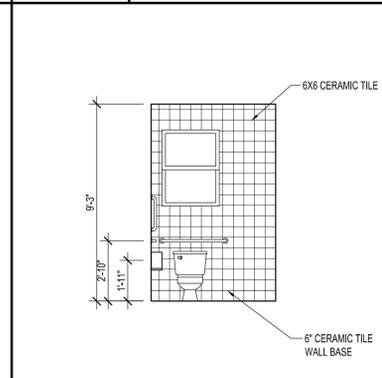
D8 MEN TOILET INTERIOR ELEVATION

1/4" = 1'-0"



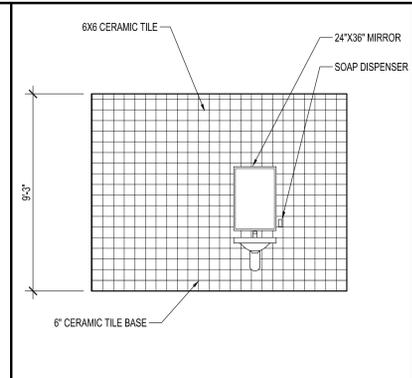
D12 MEN TOILET INTERIOR ELEVATION

1/4" = 1'-0"



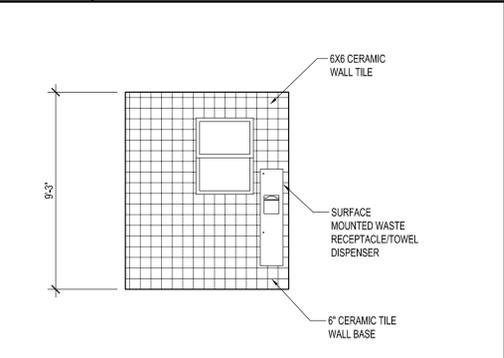
D16 ADA INT. ELEV.

1/4" = 1'-0"



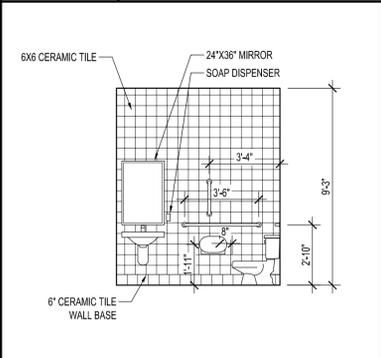
D19 ADA INT. ELEV.

1/4" = 1'-0"



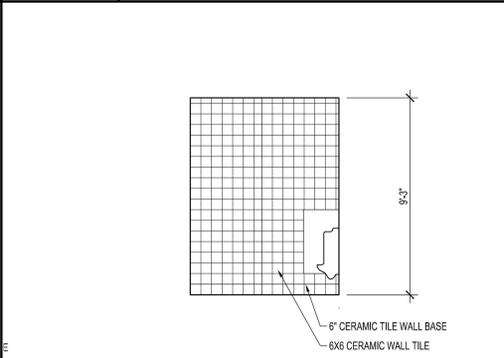
A1 WOMEN'S INTERIOR ELEVATION

1/4" = 1'-0"



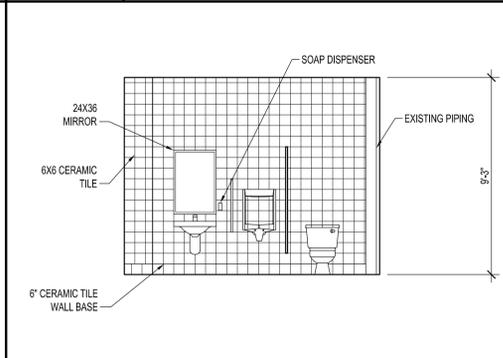
A5 WOMEN'S INT. ELEV.

1/4" = 1'-0"



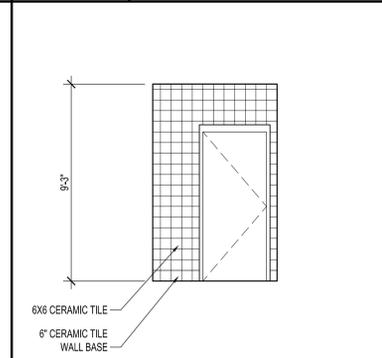
A8 MEN TOILET INTERIOR ELEVATION

1/4" = 1'-0"



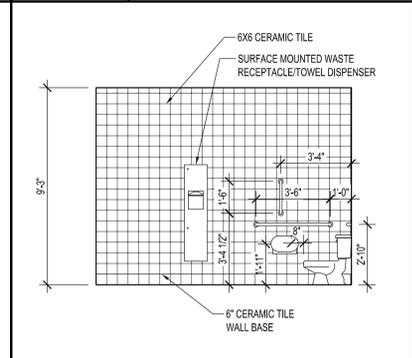
A12 MEN TOILET INTERIOR ELEVATION

1/4" = 1'-0"



A16 ADA INT. ELEV.

1/4" = 1'-0"



A19 ADA INT. ELEV.

1/4" = 1'-0"

DAVIS BOWEN & FRIEDEL, INC.
ARCHITECTS • ENGINEERS • SURVEYORS
BETHANY BEACH, DELAWARE
410.762.1441

**DELAWARE ARMY NATIONAL GUARD
BETHANY BEACH TRAINING SITE
BUILDING 151 RENOVATIONS
BETHANY BEACH, DELAWARE**

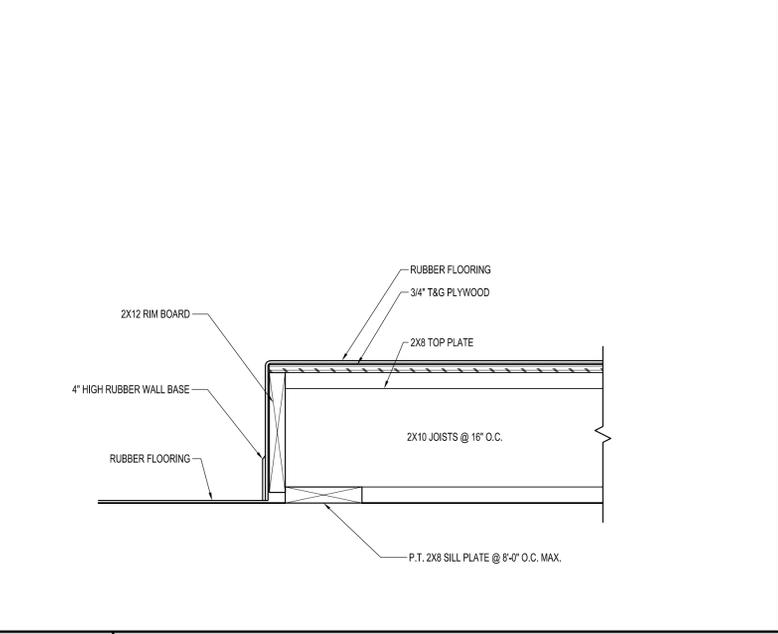
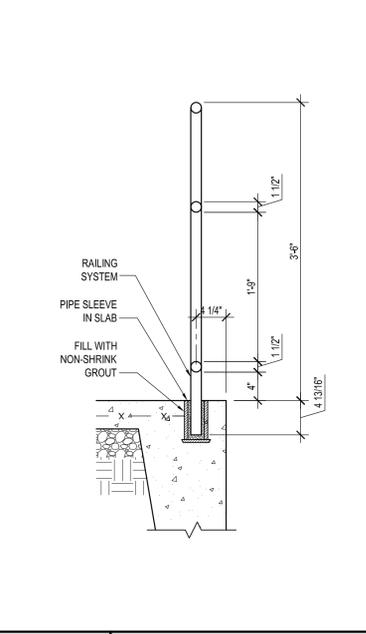
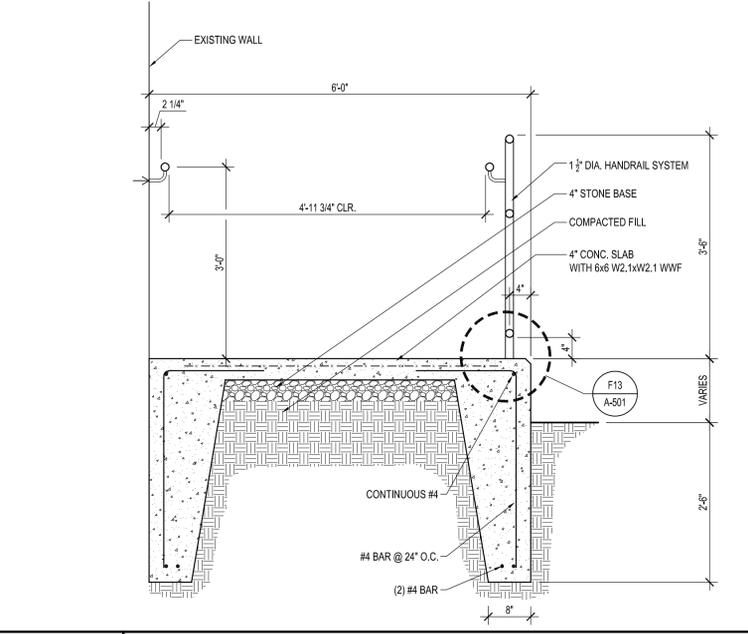
| DATE | DESCRIPTION |
|----------|-------------------------|
| 11/24/24 | 80% DESIGN SUBMISSION |
| 2/19/24 | 90% DESIGN SUBMISSION |
| 2/28/24 | FIRE MARSHAL SUBMISSION |
| 11/21/24 | 80% SUBMISSION |

| | |
|-----------|----------------|
| Date: | MARCH 18, 2025 |
| Scale: | AS NOTED |
| Dwn.By: | PJT |
| Proj.No.: | 0999J047.A01 |

TOILET ACCESSORY PLAN, SCHEDULE AND INTERIOR ELEVATIONS

Dwg.No.: **A-401**

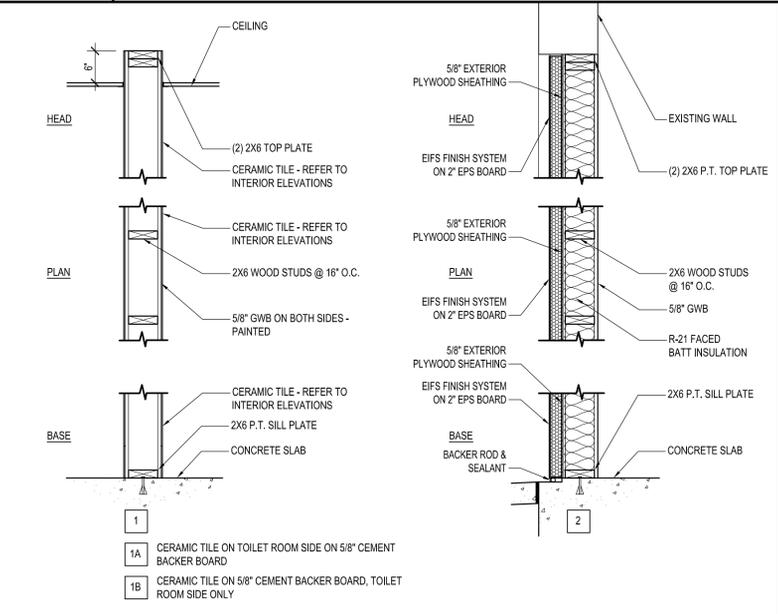
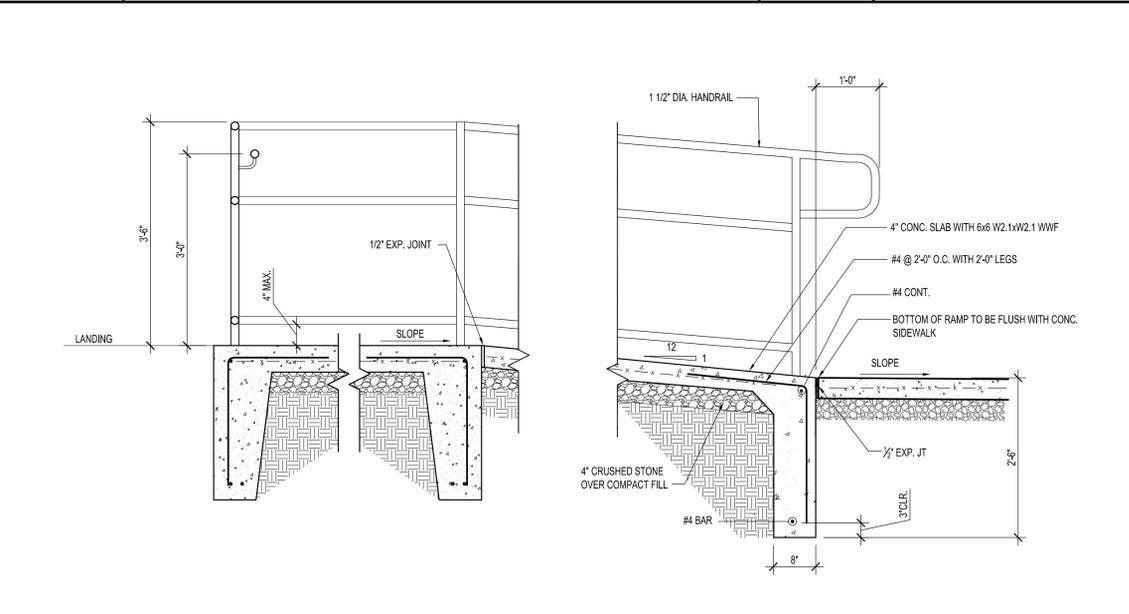
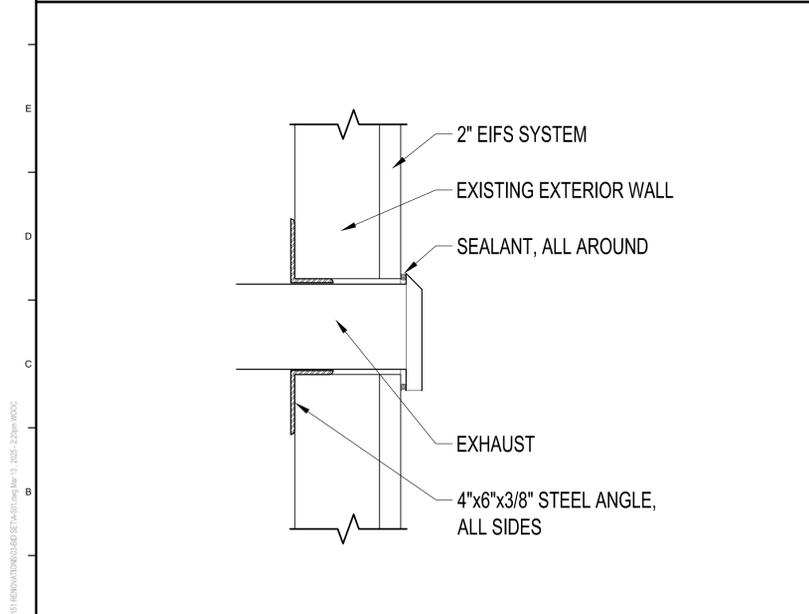
DELAWARE ARMY NATIONAL GUARD
BETHANY BEACH TRAINING SITE
BUILDING 151 RENOVATIONS
 BETHANY BEACH, DELAWARE



F7 RAMP SECTION DETAIL
3/4" = 1'-0"

F13 PIPE SLEEVE DETAIL
1" = 1'-0"

F16 DETAIL @ ADA TOILET LOW WALL
1 1/2" = 1'-0"



A7 RAMP SECTION DETAIL
3/4" = 1'-0"

A16 WALL TYPES
3/4" = 1'-0"

A1 TYPICAL EXHAUST PENETRATION DETAIL
1 1/2" = 1'-0"

| DATE | DESCRIPTION |
|----------|-------------------------|
| 11/24 | 80% DESIGN SUBMISSION |
| 2/19/24 | 100% SUBMISSION |
| 2/28/24 | FIRE MARSHAL SUBMISSION |
| 11/21/24 | 80% SUBMISSION |

Date: MARCH 18, 2025
 Scale: AS NOTED
 Dwn.By: PJT
 Proj.No.: 0999J047.A01

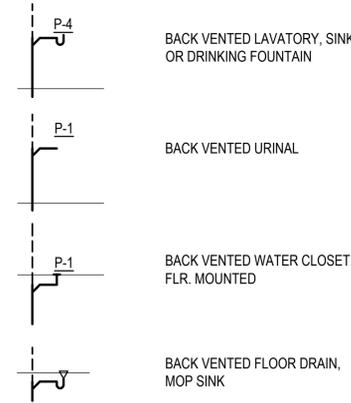
WALL TYPES & DETAILS
Dwg.No.: **A-501**

ABBREVIATIONS CONT.

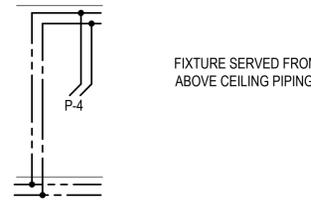
| | |
|--------|-----------------------|
| UR | URINAL |
| V | VENT/VOLTS |
| VTR | VENT THRU ROOF |
| W | WASTE / WIDTH |
| WI | WITH |
| W.B. | WET BULB |
| W.C. | WATER COLUMN |
| WC | WATER CLOSET |
| W.C.O. | WALL CLEANOUT |
| W.G. | WATER GAUGE |
| WHA | WATER HAMMER ARRESTOR |

PLUMBING RISER DIAGRAMS

SANITARY RISER DIAGRAMS

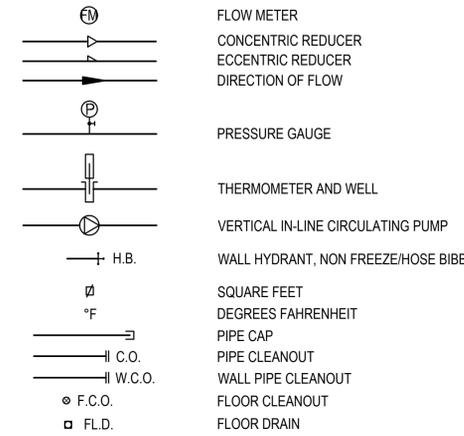


DOMESTIC WATER RISER DIAGRAMS



PLUMBING SYMBOLS CONT.

PIPING

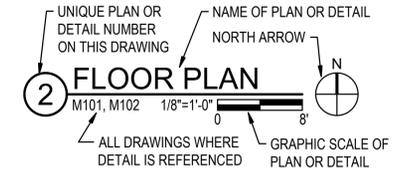


ABBREVIATIONS

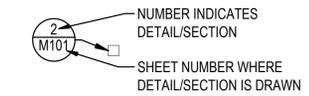
| | |
|--------|-------------------------------------|
| ABV. | ABOVE |
| A.D. | AREA DRAIN/ACCESS DOOR |
| A.F.F. | ABOVE FINISHED FLOOR |
| AHU | AIR HANDLING UNIT |
| A.P. | ACCESS PANEL |
| B.E. | BOTTOM ELEVATION |
| BFP | REDUCED PRESSURE BACKFLOW PREVENTER |
| BHP | BRAKE HORSEPOWER |
| BTU | BRITISH THERMAL UNITS |
| BTUH | BRITISH THERMAL UNITS PER HOUR |
| CFH | CUBIC FEET PER HOUR |
| CIRC. | CIRCULATING |
| C.O. | CLEANOUT |
| CONC. | CONCRETE |
| CW | DOMESTIC COLD WATER |
| D | DRAIN |
| D.B. | DRY BULB |
| DDC | DIRECT DIGITAL CONTROL |
| DIA. | DIAMETER |
| DN. | DOWN |
| DWH | DOMESTIC WATER HEATER |
| (E) | EXISTING |
| E.A. | EXHAUST AIR |
| E.A.T. | ENTERING AIR TEMPERATURE |
| ENT. | ENTERING |
| ETPV | ELECTRONIC TRAP PRIMING VALVE |
| E.W.T. | ENTERING WATER TEMPERATURE |
| EXIST. | EXISTING |
| °F | DEGREES FAHRENHEIT |
| F.C.O. | FLOOR CLEANOUT |
| FLA. | FULL LOAD AMPS |
| FL.D. | FLOOR DRAIN |
| FLR. | FLOOR |
| FT. | FEET |
| GAL. | GALLON |
| GPH | GALLONS PER HOUR |
| GPM | GALLONS PER MINUTE |
| HP | HORSEPOWER |
| HR. | HOUR |
| HW | DOMESTIC HOT WATER |
| HWC | DOMESTIC HOT WATER CIRCULATING |
| HZ | HERTZ |
| INV. | INVERT |
| IN. | INCH(ES) |
| JAN. | JANITORS CLOSET |
| L | LENGTH |
| LAV | LAVATORY |
| LVG. | LEAVING |
| L.W.T. | LEAVING WATER TEMPERATURE |
| M.A.V. | MANUAL AIR VENT |
| MAX. | MAXIMUM |
| M.B.H. | THOUSANDS BTUH |
| MECH. | MECHANICAL |
| M.E.R. | MECHANICAL EQUIPMENT ROOM |
| MIN. | MINIMUM |
| N.C. | NORMALLY CLOSED |
| N.O. | NORMALLY OPEN |
| P.D. | PRESSURE DROP |
| PRV | PRESSURE RELIEF VALVE |
| PSI | POUNDS PER SQUARE INCH |
| PSIA | POUNDS PER SQUARE INCH ABSOLUTE |
| PSIG | POUNDS PER SQUARE INCH GAUGE |
| PVC | POLYVINYL CHLORIDE |
| RLA | RUNNING LOAD AMPS |
| RPM | REVOLUTIONS PER MINUTE |
| SAN | SANITARY |
| S.S. | STAINLESS STEEL |
| TMV | THERMOSTATIC MIXING VALVE |
| TPV | TRAP PRIMING VALVE |
| TW | TEMPERED WATER |
| TYP. | TYPICAL |

GENERAL SYMBOLS

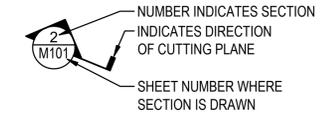
FLOOR PLAN AND DETAIL TITLES:



2-PART REFERENCE DETAIL IDENTIFICATION:



SECTION IDENTIFICATION



NORTH ARROW



#



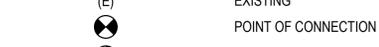
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MATCHLINE A-A



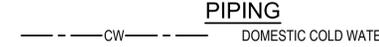
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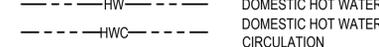
(E)



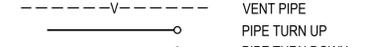
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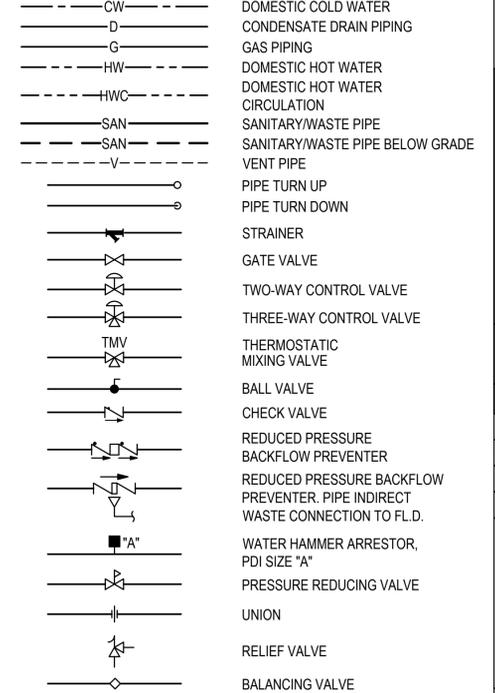


#



PLUMBING SYMBOLS

PIPING



PLUMBING FIXTURE SCHEDULE

| UNIT NO. | FIXTURE | CONNECTION SIZE, INCHES | | | | | REMARKS |
|----------|------------------|-------------------------|--------|------|----|------|---|
| | | W | V | CW | HW | TW | |
| P-1 | WATER CLOSET | 4" | 2" | 1" | - | - | WHITE, VITREOUS CHINA, FLOOR MOUNTED, BOTTOM OUTLET TOILET WITH SIPHON JET FLUSHING ACTION AND ELONGATED FRONT RIM WITH 1-1/2" TOP SPUD. PROVIDE ELONGATED, WHITE, OPEN FRONT TOILET SEAT LESS COVER WITH STAINLESS STEEL CHECK HINGE. PROVIDE WITH CHROME PLATED, EXPOSED, 1.1-GPF, MANUAL OPERATED FLUSH VALVE. BASIS OF DESIGN: SLOAN WETS-8009.8016-BAA. |
| P-1A | ADA WATER CLOSET | 4" | 2" | 1" | - | - | ADA COMPLIANT, WHITE, VITREOUS CHINA, FLOOR MOUNTED, BOTTOM OUTLET TOILET WITH SIPHON JET FLUSHING ACTION AND ELONGATED FRONT RIM WITH 1-1/2" TOP SPUD. PROVIDE ELONGATED, WHITE, OPEN FRONT TOILET SEAT LESS COVER WITH STAINLESS STEEL CHECK HINGE. PROVIDE WITH CHROME PLATED, EXPOSED, 1.1-GPF, MANUAL OPERATED FLUSH VALVE. BASIS OF DESIGN: SLOAN WETS-8029.8016-BAA. |
| P-2 | URINAL | 2" | 1-1/2" | 3/4" | - | - | WHITE, VITREOUS CHINA, HIGH EFFICIENCY, WALL HUNG, WASHOUT URINAL WITH TOP SPUD CONNECTION. PROVIDE WITH CHROME PLATED, EXPOSED, 0.125-GPF, MANUAL OPERATED FLUSH VALVE. BASIS OF DESIGN: SLOAN WEUS-1000.1001. |
| P-3 | LAVATORY | 1-1/2" | 1-1/4" | 1/2" | - | 1/2" | WALL HUNG, LEDGEBACK, VITREOUS CHINA LAVATORY WITH SINGLE CENTER FAUCET HOLE. PROVIDE WITH 0.5 GPM, DOUBLE INFRARED SENSOR-ACTIVATED ELECTRONIC FAUCET, SOLAR POWERED WITH BATTERY BACK-UP, AND INTEGRAL SIDE MIXER. BASIS OF DESIGN: SLOAN SS-3106 LAVATORY AND SLOAN BASYS EFX-375 FAUCET. |
| P-3A | LAVATORY | 1-1/2" | 1-1/4" | 1/2" | - | 1/2" | ADA COMPLIANT, WALL HUNG, LEDGEBACK, VITREOUS CHINA LAVATORY WITH SINGLE CENTER FAUCET HOLE. PROVIDE WITH 0.5 GPM, DOUBLE INFRARED SENSOR-ACTIVATED ELECTRONIC FAUCET, SOLAR POWERED WITH BATTERY BACK-UP, AND INTEGRAL SIDE MIXER. BASIS OF DESIGN: SLOAN SS-3106 LAVATORY AND SLOAN BASYS EFX-375 FAUCET. |
| FL.D. | FLOOR DRAIN | 3" | - | - | - | - | PROVIDE WITH TRAP SEAL DEVICE. |

NOTES

- A. INSTALL ALL FIXTURES AND EQUIPMENT IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. PROVIDE PIPING CONNECTIONS PER FIXTURE CONNECTION SCHEDULE.
- B. ALL ADA RIM MOUNTING HEIGHTS IN ACCORDANCE WITH IPC, ADA, AND ABAAS REQUIREMENTS.
- C. PROVIDE ACCESSIBLE SINK WITH INSULATED PIPE PROTECTION IN ACCORDANCE WITH ADA AND ABAAS REQUIREMENTS.

| REV | DATE | DESCRIPTION |
|-----|------------|--------------------------|
| A | 12/13/2023 | 10% SUBMISSION |
| B | 04/02/2024 | 30% SUBMISSION |
| C | 03/18/2025 | BID DOCUMENTS SUBMISSION |

Date: MARCH 2025
Scale: AS NOTED
Dwn.By: FS
Proj.No.: 0999J047.A01

SYMBOLS AND ABBREVIATIONS

Dwg.No.:

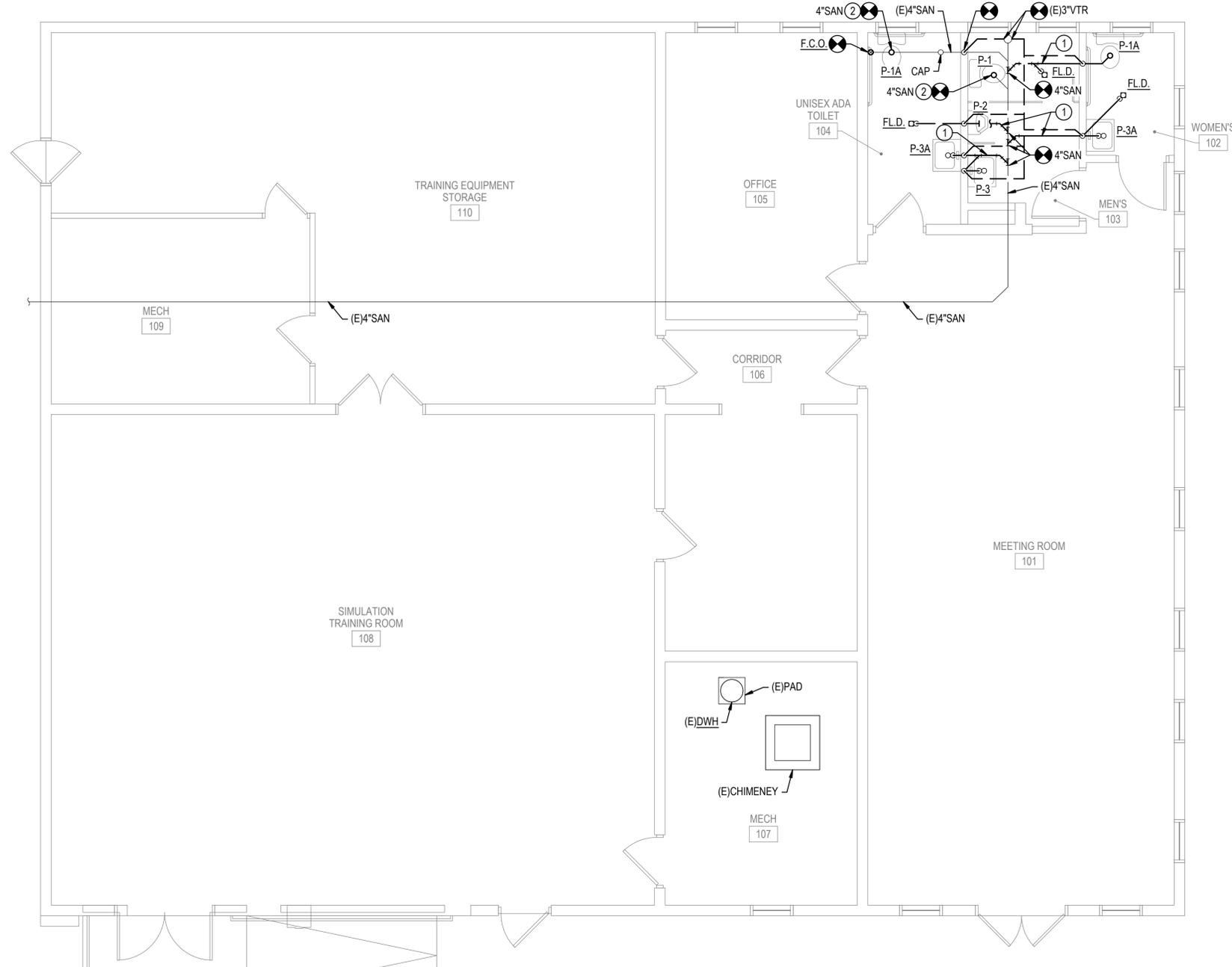
P-001

GENERAL NOTE

- G1. ALL WORK SHALL BE NEW AND PROVIDED UNDER THIS CONTRACT UNLESS SPECIFICALLY MARKED "EXISTING", "EXIST", OR "E".
- G2. VERIFY LOCATION AND DIMENSIONS OF EXISTING EQUIPMENT AND COORDINATE ALL WORK PRIOR TO THE START OF CONSTRUCTION.
- G3. ALL SANITARY PIPING SHOWN IS LOCATED BELOW EXISTING SLAB ON GRADE UNLESS OTHERWISE INDICATED. EXISTING BELOW-SLAB SANITARY PIPING SIZE AND LOCATION IS UNKNOWN. CONTRACTOR TO VERIFY IN-FIELD.

NOTES

- 1. SAW-CUT EXISTING SLAB TO FACILITATE INSTALLATION OF NEW SANITARY PIPE. PATCH AND REPAIR SLAB TO MATCH ADJACENT SURFACE.
- 2. EXTEND EXISTING SANITARY PIPE LOCATED BELOW FLOOR SLAB TO NEW PLUMBING FIXTURE LOCATION.



1 FIRST FLOOR PLAN - SANITARY & VENT
 1/4"=1'-0"
 0 4 8

| REV | DATE | COMMENTS |
|-----|------------|--------------------------|
| A | 12/13/2023 | 60% SUBMISSION |
| B | 04/02/2024 | 80% SUBMISSION |
| C | 03/18/2025 | BID DOCUMENTS SUBMISSION |

Date: MARCH 2025
 Scale: AS NOTED
 Dwn By: FS
 Proj No.: 0999J047.A01

**FIRST FLOOR
 SANITARY &
 VENT PLAN**

Dwg No.:
P-101

| REV | DATE | COMMENTS |
|-----|------------|--------------------------|
| A | 12/13/2023 | 60% SUBMISSION |
| B | 04/02/2024 | 80% SUBMISSION |
| C | 03/18/2025 | BID DOCUMENTS SUBMISSION |

Date: MARCH 2025
 Scale: AS NOTED
 Dwn.By: FS
 Proj.No.: 0999J047.A01

SYMBOLS, ABBREVIATIONS, AND SCHEDULES

Dwg.No.: **M-001**

GENERAL SYMBOLS

FLOOR PLAN AND DETAIL TITLES:

UNIQUE PLAN OR DETAIL NUMBER ON THIS DRAWING
 NAME OF PLAN OR DETAIL
 NORTH ARROW
FLOOR PLAN
 ALL DRAWINGS WHERE DETAIL IS REFERENCED
 GRAPHIC SCALE OF PLAN OR DETAIL

2-PART REFERENCE DETAIL IDENTIFICATION:

NUMBER INDICATES DETAIL/SECTION
 SHEET NUMBER WHERE DETAIL/SECTION IS DRAWN

SECTION IDENTIFICATION

NUMBER INDICATES SECTION
 INDICATES DIRECTION OF CUTTING PLANE
 SHEET NUMBER WHERE SECTION IS DRAWN

NORTH ARROW

ARROW INDICATES TRUE NORTH AND/OR PROJECT NORTH

#

COLUMN BUBBLE DESIGNATION

1

REVISION CLOUD WITH REVISION NUMBER DESIGNATION

BREAKLINE

MATCHLINE A-A

MATCHLINE DESIGNATION

DEMOLITION LINETYPE

CENTERLINE

CENTERLINE SYMBOL

EXISTING

POINT OF CONNECTION TO EXISTING

POINT OF TERMINATION OF REMOVAL

NOTE NUMBER

ROOM NUMBER DESIGNATION.

1234

SYMBOLS

EXHAUST OR RETURN DUCT UP

EXHAUST OR RETURN DUCT DOWN

SUPPLY DUCT UP

SUPPLY DUCT DOWN

DUCT WITH FIRE DAMPER AND MINIMUM 16x16 ACCESS DOOR. PROVIDE LAMINATED PLASTIC LABEL WITH 1/2" LETTERING READING, "FIRE DAMPER", AND AFIX TO OUTSIDE OF DUCT ACCESS DOOR PER NFPA.

DUCT WITH ACCESS DOOR, MINIMUM 16x16

DUCT WITH MANUAL BALANCING DAMPER. PROVIDE ACCESS DOOR MINIMUM (DUCT WIDTH MINUS 2") WIDE BY 16" LONG.

DUCT WITH MOTOR OPERATED DAMPER

DUCT TRANSITION UP

DUCT TRANSITION DOWN

SYMBOLS CONT.

DUCT RISE

RECTANGULAR DUCT SIZE TRANSITION

RIGID ROUND DUCT SIZE TRANSITION

DUCT TRANSITION FROM SQUARE TO ROUND

DUCT ELBOW WITH TURNING VANES

FLEXIBLE DUCTWORK. 5 FEET MAXIMUM LENGTH. SIZE AS INDICATED OR SCHEDULED

SQUARE CEILING DIFFUSER WITH FLEXIBLE DUCT(5' MAXIMUM LENGTH) SAME SIZE AS DIFFUSER NECK SIZE. DIFFUSER SIZE PER SCHEDULE UNLESS OTHERWISE NOTED. PROVIDE CONICAL SPIN-IN TAP WITH BALANCING DAMPER AT CIRCULAR DUCT. NUMBER INDICATES BALANCING AIRFLOW CFM.

SUPPLY AIR DIFFUSER, 24x24 FACE AREA, SUITABLE FOR 2'x4' TILE CEILING.

PERFORATED CEILING PANEL, 24x24 FACE AREA, SUITABLE FOR 2'x4' TILE CEILING.

3/4" DOOR UNDERCUT

RETURN AIR SYMBOL

SUPPLY AIR SYMBOL

THERMOSTAT

HWR HEATING WATER RETURN
 HWS HEATING WATER SUPPLY
 RL REFRIGERANT LIQUID
 RS REFRIGERANT SUCTION

PIPE TURN UP
 PIPE TURN DOWN
 CONCENTRIC PIPE REDUCER
 ECCENTRIC PIPE REDUCER
 DIRECTION OF FLOW
 PIPE CAP
 PIPE CLEANOUT
 WALL PIPE CLEANOUT
 FLOOR CLEANOUT
 FLOOR DRAIN

U 3/4" DOOR UNDERCUT
 Return air symbol
 Supply air symbol
 Thermostat
 HWR HWS RL RS
 Pipe turn up/down
 Concentric/eccentric pipe reducer
 Direction of flow
 Pipe cap
 Pipe cleanout
 Wall pipe cleanout
 Floor cleanout
 Floor drain

ABBREVIATIONS

| | |
|---------|------------------------------|
| A.D. | ACCESS DOOR |
| A.F.F. | ABOVE FINISHED FLOOR |
| AHU | AIR HANDLING UNIT |
| ARCH. | ARCHITECTURAL |
| A.P. | ACCESS PANEL |
| APPROX. | APPROXIMATELY |
| BHP | BRAKE HORSEPOWER |
| C.D. | CEILING DIFFUSER |
| CFM | CUBIC FEET PER MINUTE |
| CW | DOMESTIC COLD WATER |
| D.B. | DRY BULB |
| db | DECIBEL |
| DDC | DIRECT DIGITAL CONTROL |
| DESIG. | DESIGNATION |
| DIA | DIAMETER |
| DN. | DOWN |
| (E) | EXISTING |
| E.A.T. | ENTERING AIR TEMPERATURE |
| EFF. | EFFICIENCY |
| E.G. | EXHAUST GRILLE |
| ELEV. | ELEVATION/ELEVATOR |
| ENT. | ENTERING |
| E.S.P. | EXTERNAL STATIC PRESSURE |
| E.W.T. | ENTERING WATER TEMPERATURE |
| EXIST. | EXISTING |
| *F | DEGREES FAHRENHEIT |
| FCU | FAN COIL UNIT |
| F.D. | FIRE DAMPER |
| FLA | FULL LOAD AMPS |
| FL.D. | FLOOR DRAIN |
| FLR. | FLOOR |
| FPM | FEET PER MINUTE |
| FT. | FEET |
| HP | HORSEPOWER |
| IN. | INCHES |
| L.A.T. | LEAVING AIR TEMPERATURE |
| LBS. | POUNDS |
| L.W.T. | LEAVING WATER TEMPERATURE |
| MAX. | MAXIMUM |
| M.B.D. | MANUAL BALANCING DAMPER |
| MER | MECHANICAL EQUIPMENT ROOM |
| MIN. | MINIMUM |
| M.O.D. | MOTOR OPERATED DAMPER |
| NC | NOISE CRITERIA |
| N.C. | NORMALLY CLOSED |
| N.I.C. | NOT IN CONTRACT |
| N.O. | NORMALLY OPEN |
| O.A. | OUTSIDE AIR |
| O.C. | ON CENTER |
| P.D. | PRESSURE DROP |
| PH | PHASE |
| PSI | POUNDS PER SQUARE INCH |
| PSIG | POUNDS PER SQUARE INCH GAUGE |
| PVC | POLYVINYL CHLORIDE |
| R.A. | RETURN AIR |
| R.G. | RETURN GRILLE |
| RL | REFRIGERANT LIQUID |
| RLA | RUNNING LOAD AMPS |
| RPM | REVOLUTIONS PER MINUTE |
| S.A. | SUPPLY AIR |
| SD | SMOKE DETECTOR |
| S.G. | SUPPLY GRILLE |
| S.P. | STATIC PRESSURE |
| TYP. | TYPICAL |
| UH | UNIT HEATER |
| V | VOLTS |
| VAV | VARIABLE AIR VOLUME |
| VOL. | VOLUME |
| W.C. | WATERCOLUMN |
| W.G. | WATER GAUGE |

EXHAUST FAN SCHEDULE

| UNIT NO. | TYPE | AIRFLOW (CFM) | T.S.P. (IN. W.G.) | ELEC. DATA (V/PH/Hz) | SERVICE | LOCATION | BASIS OF DESIGN | NOTES |
|----------|------|---------------|-------------------|----------------------|------------------|---------------------|-------------------|-------|
| EF-01 | CM | 150 | 0.25 | 115/1/60 | MEN'S RESTROOM | MEN'S RESTROOM | GREENHECK SP-B150 | B C |
| EF-02 | CM | 70 | 0.15 | 115/1/60 | ADA RESTROOM | UNISEX ADA RESTROOM | GREENHECK SP-B90 | B C |
| EF-03 | CM | 70 | 0.15 | 115/1/60 | WOMEN'S RESTROOM | WOMEN'S RESTROOM | GREENHECK SP-B90 | B C |

NOTES

A. CM = CEILING MOUNTED
 B. PROVIDE WITH MANUFACTURER'S RECOMMENDED HOODED WALL CAP.
 C. REFER TO ELECTRICAL DRAWINGS FOR FAN CONTROL.

ELECTRIC BASEBOARD HEATER SCHEDULE

| UNIT NO. | TYPE | V/Ph/Hz | HEATING CAP. (kW) | AMPS | DIMENSIONS (LxWxH) (IN.xIN.xIN.) | AREA SERVED | NOTES |
|----------|------|----------|-------------------|------|----------------------------------|---------------------|-------|
| BB-01 | BB | 208/1/60 | 0.75 | 3.6 | 36x3x7 | MEN'S RESTROOM | B C |
| BB-02 | BB | 208/1/60 | 0.75 | 3.6 | 36x3x7 | UNISEX ADA RESTROOM | B C |
| BB-03 | BB | 208/1/60 | 0.75 | 3.6 | 36x3x7 | WOMEN'S RESTROOM | B C |

NOTES

A. BB - ELECTRIC BASEBOARD
 B. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
 C. PROVIDE UNIT WITH THERMOSTAT.

AIR DEVICE SCHEDULE

| DESIG. | AIRFLOW (CFM) | NECK SIZE (INCHES) | OVERALL SIZE (INCHES) | MAX. S.P. DROP (IN. W.G.) | MAX. N.C. | HORIZONTAL THROW @ 100 FPM | FACE | BASIS OF DESIGN | NOTES |
|--------|---------------|--------------------|-----------------------|---------------------------|-----------|----------------------------|----------|-----------------|-------|
| SG-1 | 0-100 | 6x6 | 8x8 | 0.03 | - | 9 | LOUVERED | KRUEGER 5885 | A |

NOTES

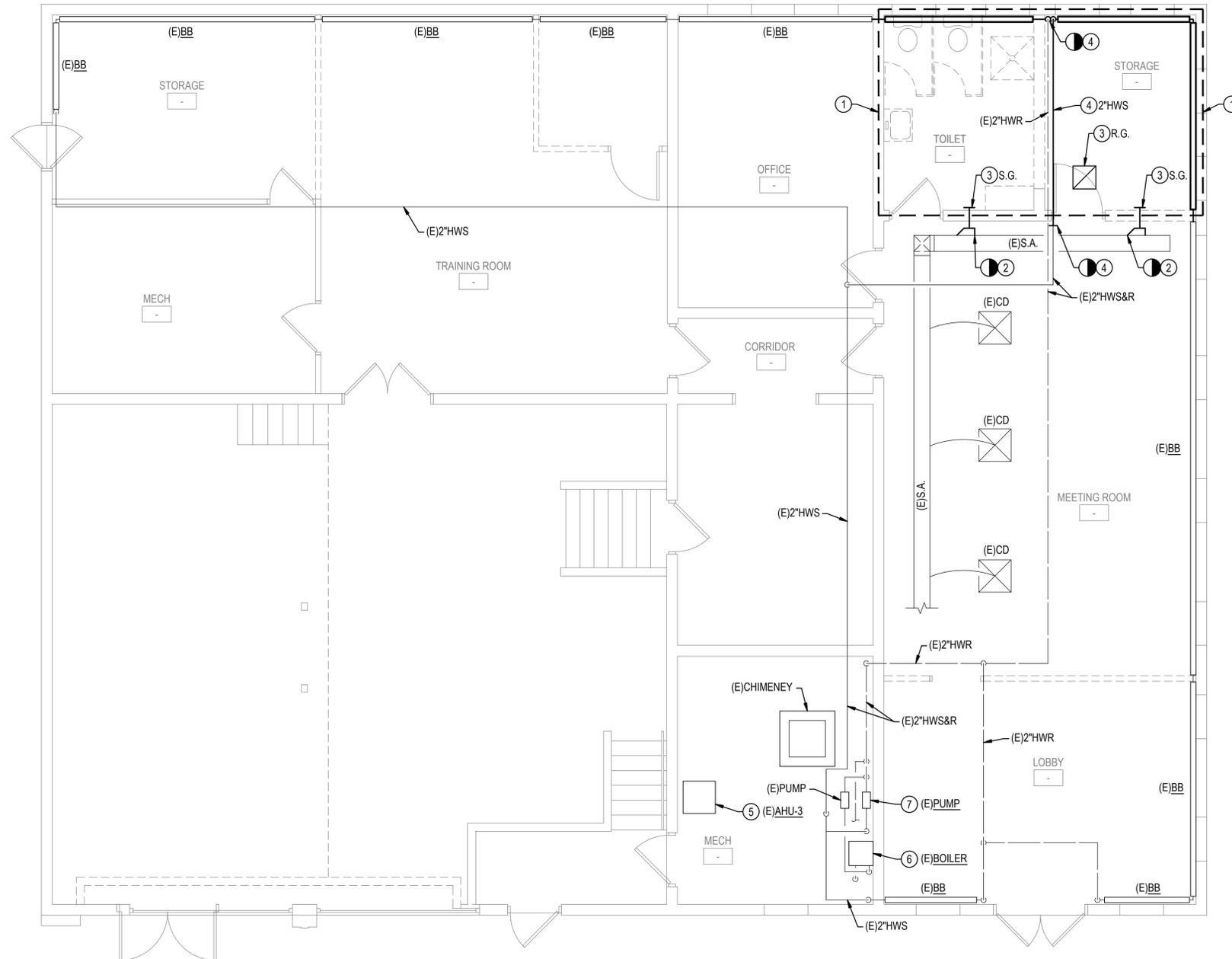
A. ALL AIR DEVICES TO BE PAINTED. COORDINATE EXACT PAINT COLOR WITH OWNER.

GENERAL NOTE

- G1. ALL WORK SHALL BE NEW AND PROVIDED UNDER THIS CONTRACT UNLESS SPECIFICALLY MARKED "EXISTING", "EXIST", OR "E".
- G2. VERIFY LOCATION AND DIMENSIONS OF EXISTING EQUIPMENT AND COORDINATE ALL WORK PRIOR TO THE START OF CONSTRUCTION.

NOTES

- 1. REMOVE ALL EXHAUST FANS AND ASSOCIATED DUCTWORK, BASEBOARD HEATERS, CONTROLS, AND APPURTENANCES COMPLETE WITHIN THE INDICATED AREA. PATCH, REPAIR, AND SEAL ALL WALLS IMPACTED BY DEMOLITION.
- 2. REMOVE ALL DUCTWORK, CONTROLS, AND APPURTENANCES TO POINT INDICATED AND CAP.
- 3. REMOVE AIR DEVICE AND ASSOCIATED SUPPORTS, HANGERS, AND APPURTENANCES COMPLETE.
- 4. REMOVE PIPING AND ASSOCIATED VALVES, INSULATION, CONTROLS, SUPPORTS, HANGERS, AND APPURTENANCES TO POINT INDICATED.
- 5. PROVIDE PRE-CONSTRUCTION TESTING AND BALANCING OF AIR HANDLING UNIT AIRFLOW, STATIC PRESSURE, AND BHP.
- 6. PROVIDE PRE-CONSTRUCTION TESTING AND BALANCING OF BOILER HEATING WATER FLOW, GAS INPUT, AND OUTPUT.
- 7. PROVIDE PRE-CONSTRUCTION TESTING AND BALANCING OF HEATING WATER PUMP FLOW, HEAD PRESSURE, AND BHP.



1 FIRST FLOOR PLAN - DEMOLITION
 1/4"=1'-0"
 0 4 8

| REV | DATE | COMMENTS |
|-----|------------|--------------------------|
| A | 12/13/2023 | 60% SUBMISSION |
| B | 04/02/2024 | 80% SUBMISSION |
| C | 03/18/2025 | BID DOCUMENTS SUBMISSION |

Date: MARCH 2025
 Scale: AS NOTED
 Dwn.By: FS
 Proj.No.: 0999J047.A01

FIRST FLOOR PLAN - DEMOLITION

Dwg.No.: **MD101**

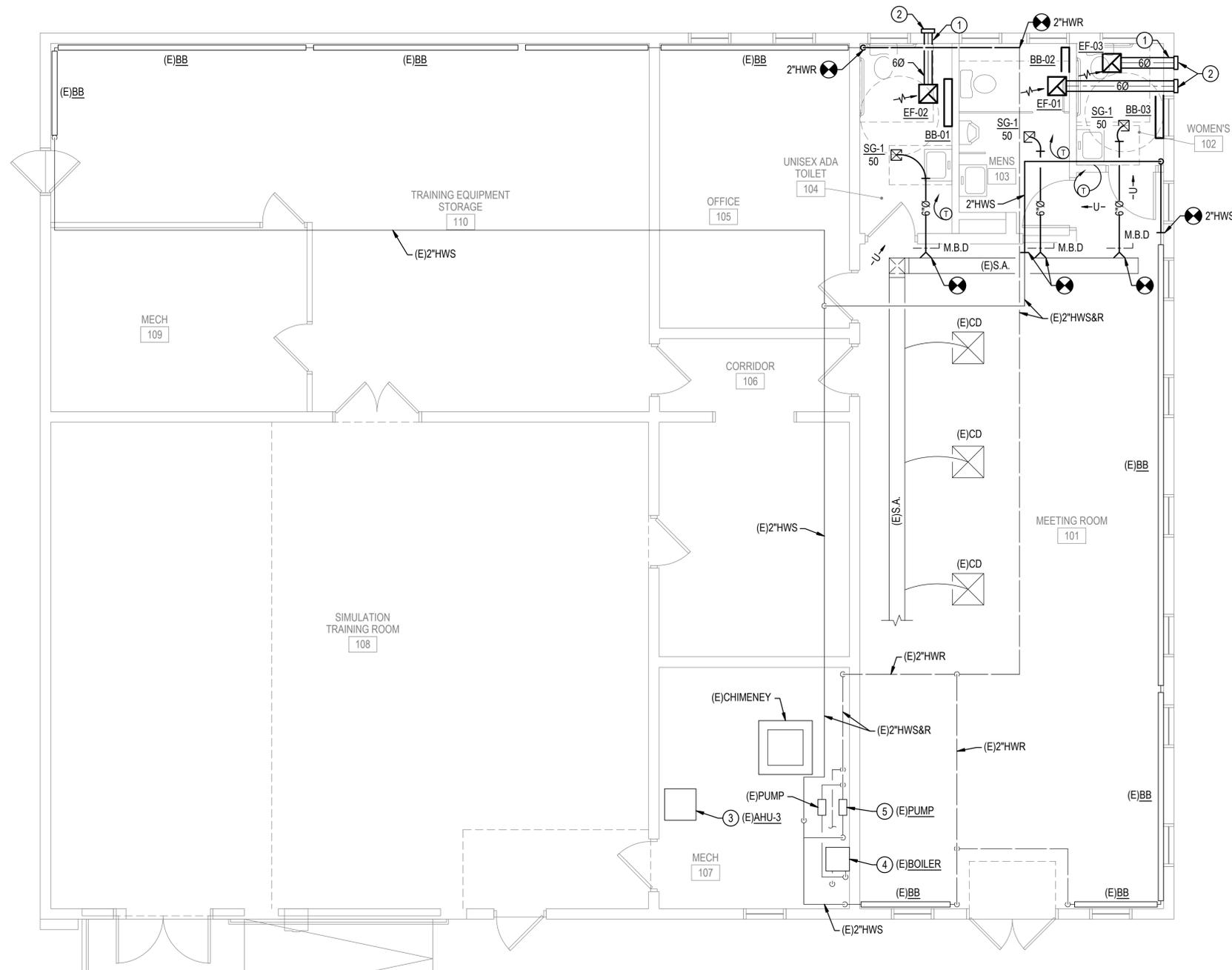
GENERAL NOTE

- G1. ALL WORK SHALL BE NEW AND PROVIDED UNDER THIS CONTRACT UNLESS SPECIFICALLY MARKED "EXISTING", "EXIST", OR "E".
- G2. VERIFY LOCATION AND DIMENSIONS OF EXISTING EQUIPMENT AND COORDINATE ALL WORK PRIOR TO THE START OF CONSTRUCTION.

NOTES

- 1. PROVIDE PENETRATION THRU EXISTING EXTERIOR CMU BLOCK WALL. SEAL PENETRATION WEATHER-TIGHT.
- 2. PROVIDE MANUFACTURER'S RECOMMENDED WALL CAP.
- 3. BALANCE AIR HANDLING UNIT TO PRE-TAB AIRFLOW, STATIC PRESSURE, AND BHP.
- 4. BALANCE BOILER TO PRE-TAB HEATING WATER FLOW, GAS INPUT, AND OUTPUT.
- 5. BALANCE HEATING WATER PUMP TO PRE-TAB FLOW, HEAD PRESSURE, AND BHP.

**DELAWARE ARMY NATIONAL GUARD
 BETHANY BEACH TRAINING SITE
 BUILDING 151 RENOVATIONS
 BETHANY BEACH, DELAWARE**



1 FIRST FLOOR PLAN
 1/4"=1'-0"
 0 4' 8'

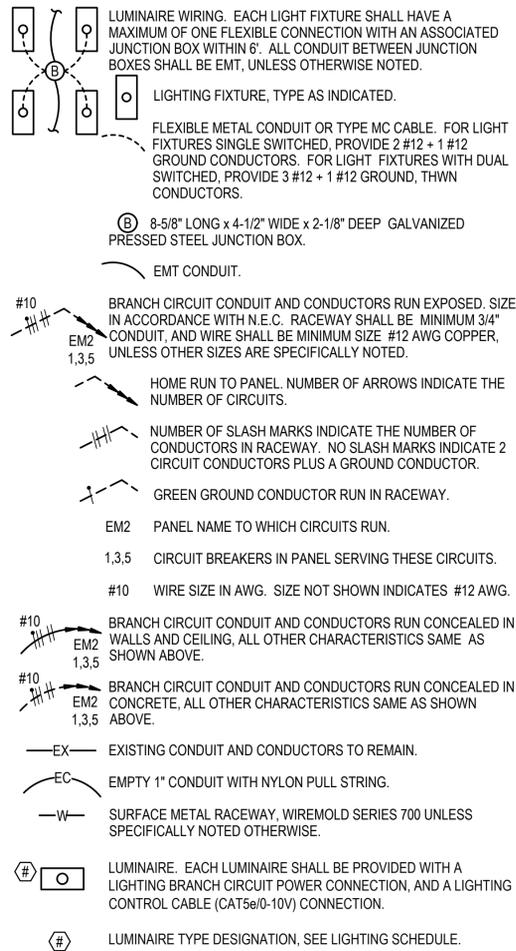
| REV | DATE | COMMENTS |
|-----|------------|--------------------------|
| A | 12/13/2023 | 60% SUBMISSION |
| B | 04/02/2024 | 80% SUBMISSION |
| C | 03/18/2025 | BID DOCUMENTS SUBMISSION |

Date: MARCH 2025
 Scale: AS NOTED
 Dwn By: FS
 Proj No.: 0999J047.A01

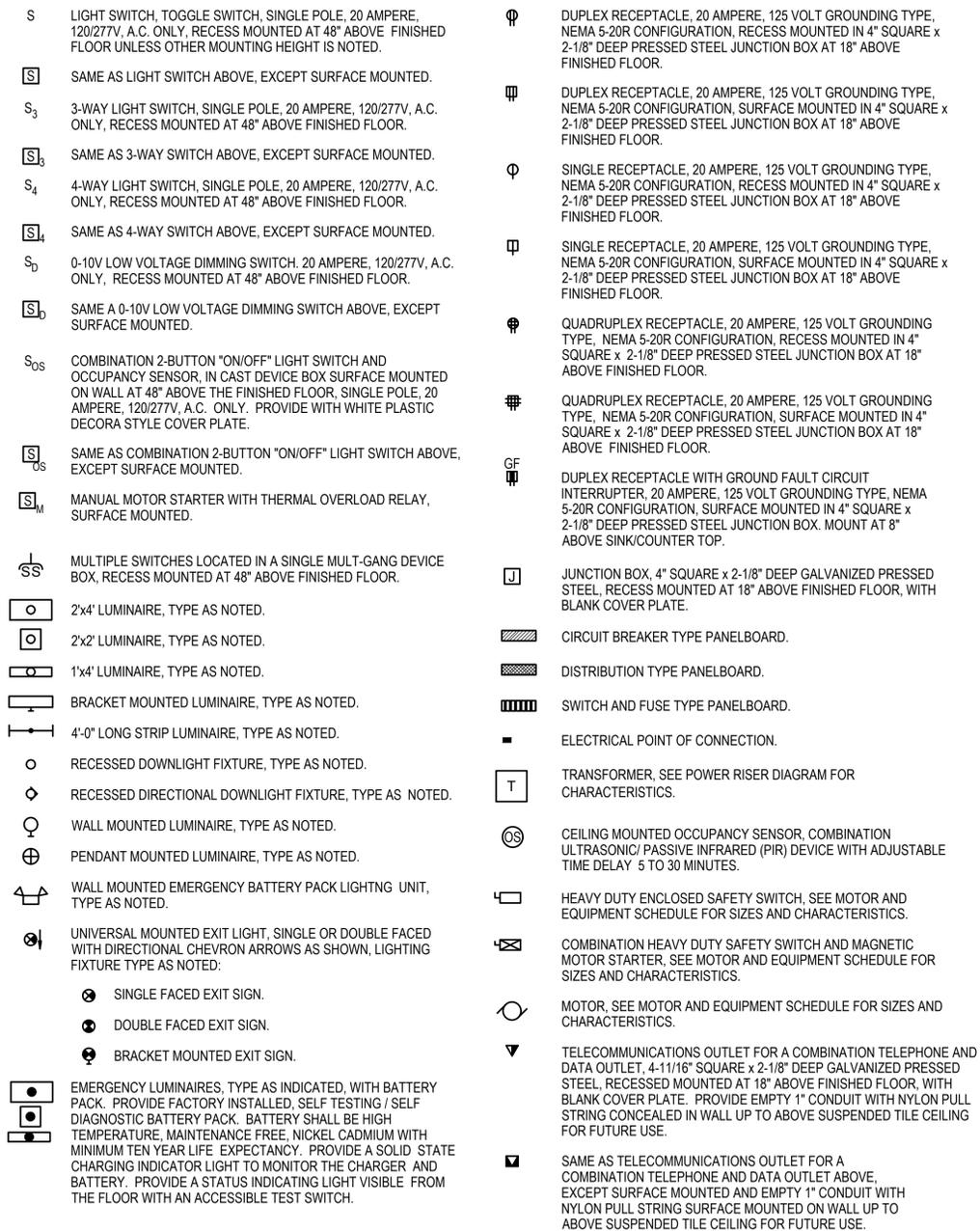
FIRST FLOOR PLAN

Dwg No.: **M-101**

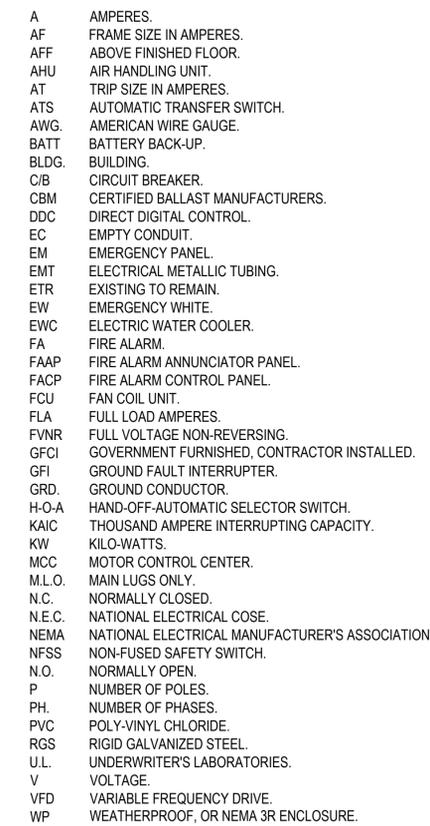
SYMBOLS



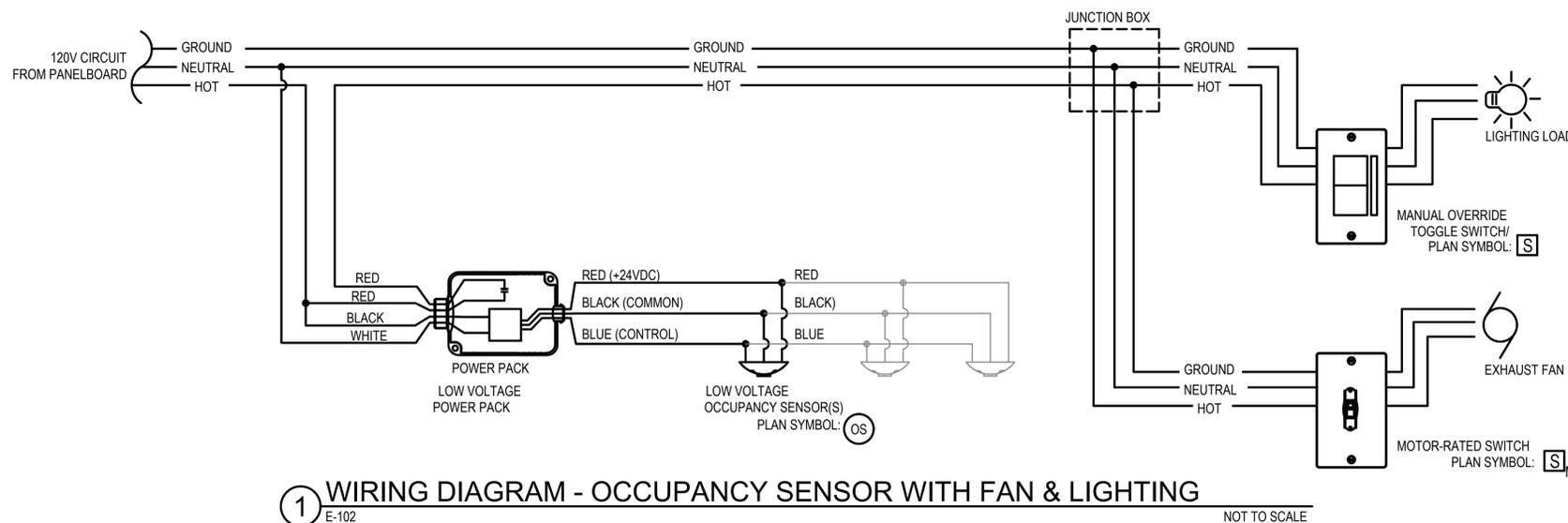
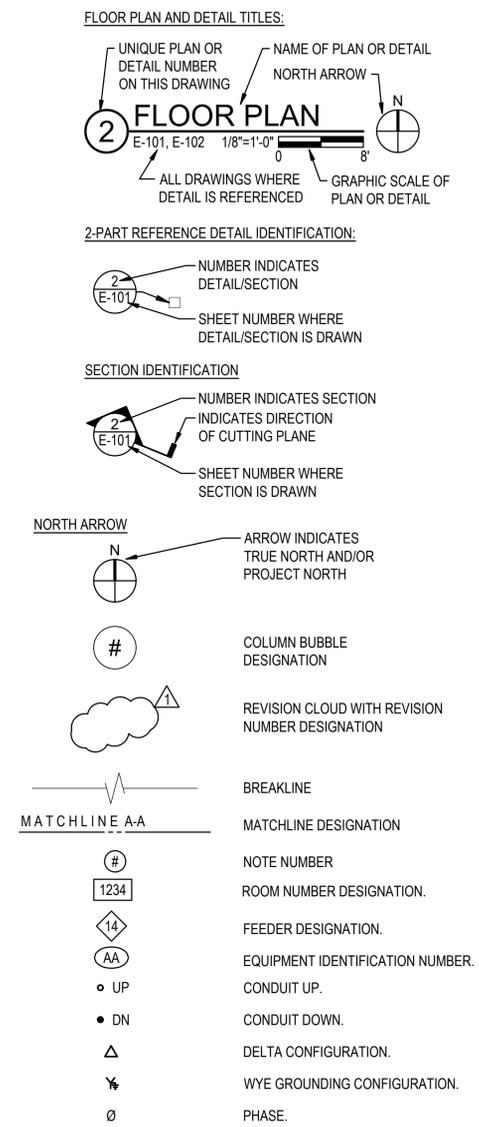
SYMBOLS



ABBREVIATIONS



GENERAL SYMBOLS



| REV | DATE | COMMENTS |
|-----|------------|--------------------------|
| A | 12/13/2023 | 60% SUBMISSION |
| B | 04/02/2024 | 80% SUBMISSION |
| C | 03/18/2025 | BID DOCUMENTS SUBMISSION |

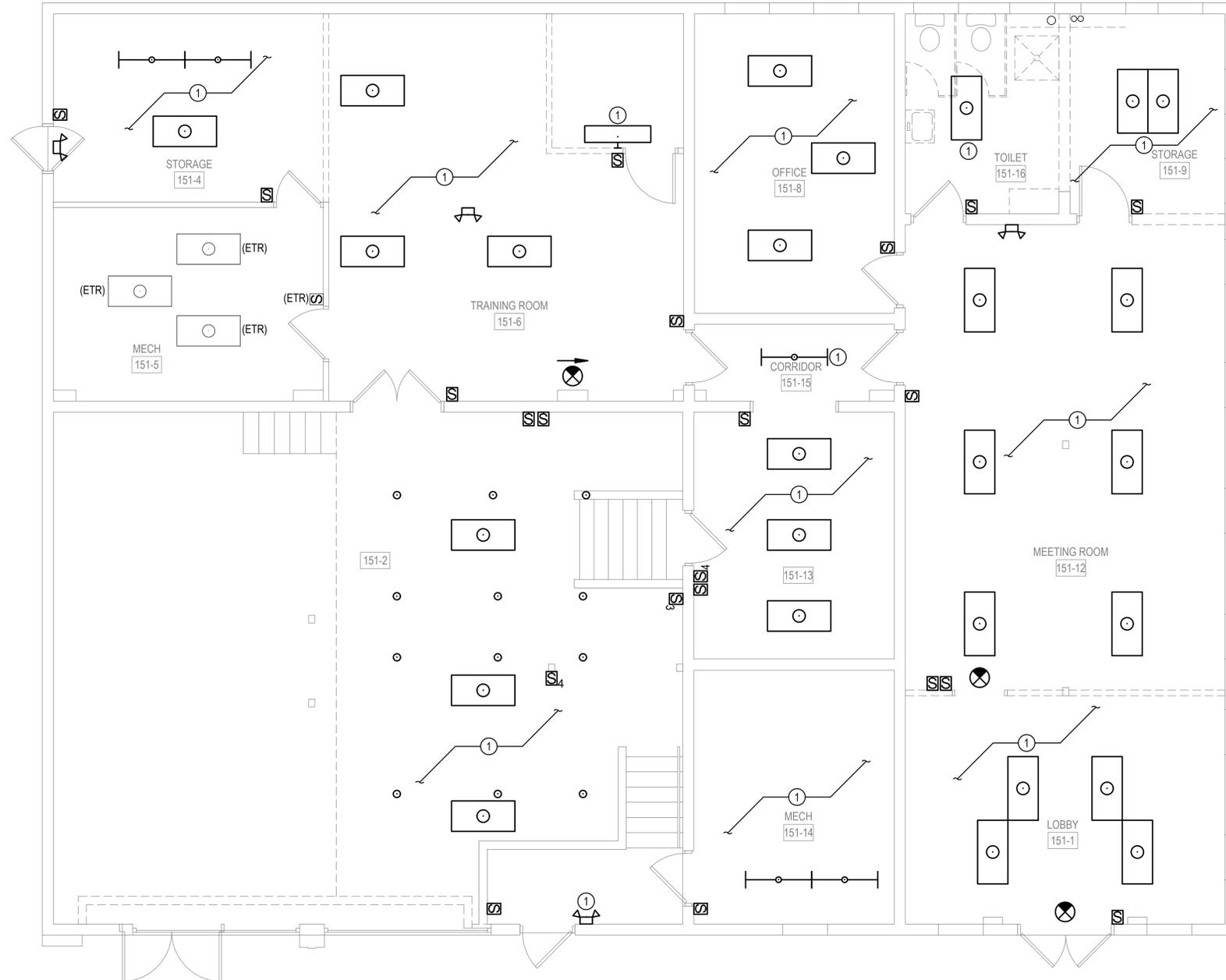
| | |
|-----------|--------------|
| Date: | MARCH 2025 |
| Scale: | AS NOTED |
| Dwn. By: | ATR |
| Proj No.: | 0999J047.A01 |

GENERAL NOTE

- G1. VERIFY LOCATION AND DIMENSIONS OF EXISTING EQUIPMENT AND COORDINATE ALL WORK PRIOR TO THE START OF CONSTRUCTION.
- G2. DEMOLITION DEFINITION: DISCONNECTION AND REMOVAL OF ASSOCIATED CONDUCTORS SHALL CONSIST OF THE REMOVAL OF THE CONDUCTORS BACK TO THE NEXT EXISTING DEVICE TO REMAIN. NEW CONDUIT AND CONDUCTORS SHALL BE PROVIDED TO RECONNECT ANY EXISTING TO REMAIN DEVICES INTERRUPTED BY THE DEMOLITION UNDER THIS PROJECT.

NOTES

- 1. UNLESS OTHERWISE NOTED, DISCONNECT AND REMOVE LUMINAIRES, SWITCHES, AND CONTROLS IN THIS AREA. REMOVE ALL ASSOCIATED CONDUIT AND CONDUCTORS BACK TO SOURCE PANEL.



1 FIRST FLOOR PLAN - LIGHTING - DEMOLITION
 1/4"=1'-0" 0 4 8' N

**DELAWARE ARMY NATIONAL GUARD
 BETHANY BEACH TRAINING SITE
 BUILDING 151 RENOVATIONS
 BETHANY BEACH, DELAWARE**

| REV | DATE | COMMENTS |
|-----|------------|--------------------------|
| A | 12/13/2023 | 60% SUBMISSION |
| B | 04/02/2024 | 85% SUBMISSION |
| C | 03/18/2025 | BID DOCUMENTS SUBMISSION |

Date: MARCH 2025
 Scale: AS NOTED
 Dwn By: ATR
 Proj No.: 0999J047.A01

**FIRST FLOOR
 PLAN - LIGHTING
 - DEMO**

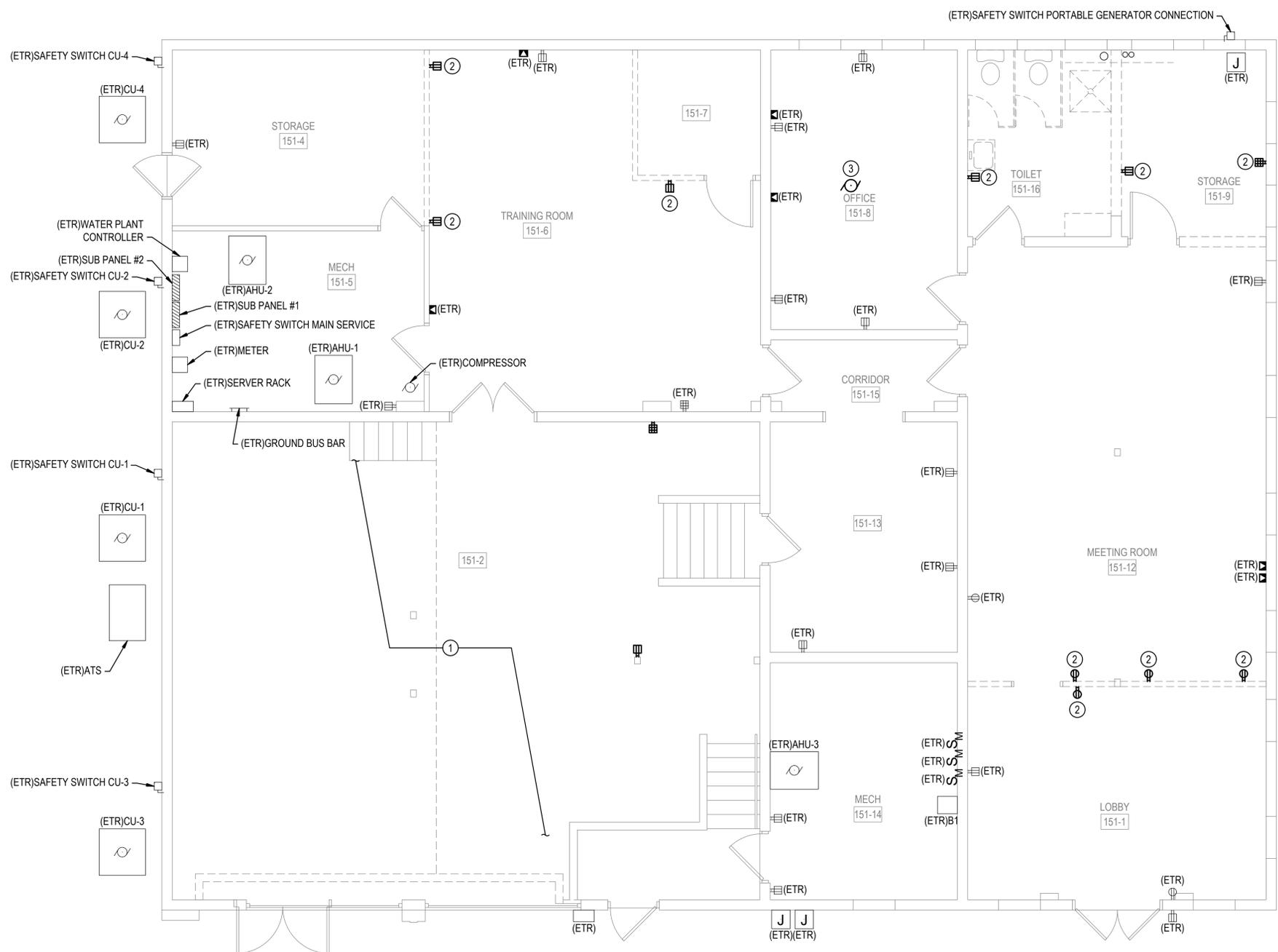
Dwg No.: **ED101**

GENERAL NOTE

- G1. VERIFY LOCATION AND DIMENSIONS OF EXISTING EQUIPMENT AND COORDINATE ALL WORK PRIOR TO THE START OF CONSTRUCTION.
- G2. DEMOLITION DEFINITION: DISCONNECTION AND REMOVAL OF ASSOCIATED CONDUCTORS SHALL CONSIST OF THE REMOVAL OF THE CONDUCTORS BACK TO THE NEXT EXISTING DEVICE TO REMAIN. NEW CONDUIT AND CONDUCTORS SHALL BE PROVIDED TO RECONNECT ANY EXISTING TO REMAIN DEVICES INTERRUPTED BY THE DEMOLITION UNDER THIS PROJECT.

NOTES

- 1. UNLESS OTHERWISE NOTED, DISCONNECT AND REMOVE WIRING DEVICES, RECEPTACLES, ETC. MOUNTED IN AND UNDERNEATH STAGE AREA. REMOVE ALL ASSOCIATED CONDUIT, CONDUCTORS, AND CABLES BACK TO SOURCE.
- 2. DISCONNECT AND REMOVE RECEPTACLES AND ALL ASSOCIATED CONDUIT AND CONDUCTORS BACK TO SOURCE PANEL.
- 3. DISCONNECT EXHAUST FAN. REMOVE ALL ASSOCIATED CONDUIT AND CONDUCTORS BACK TO SOURCE PANEL.



1 FIRST FLOOR PLAN - POWER - DEMOLITION
 1/4"=1'-0"
 N

| REV | DATE | COMMENTS |
|-----|------------|--------------------------|
| A | 12/13/2023 | 60% SUBMISSION |
| B | 04/02/2024 | 80% SUBMISSION |
| C | 03/18/2025 | BID DOCUMENTS SUBMISSION |

Date: MARCH 2025
 Scale: AS NOTED
 Dwn By: ATR
 Proj No.: 0999J047.A01

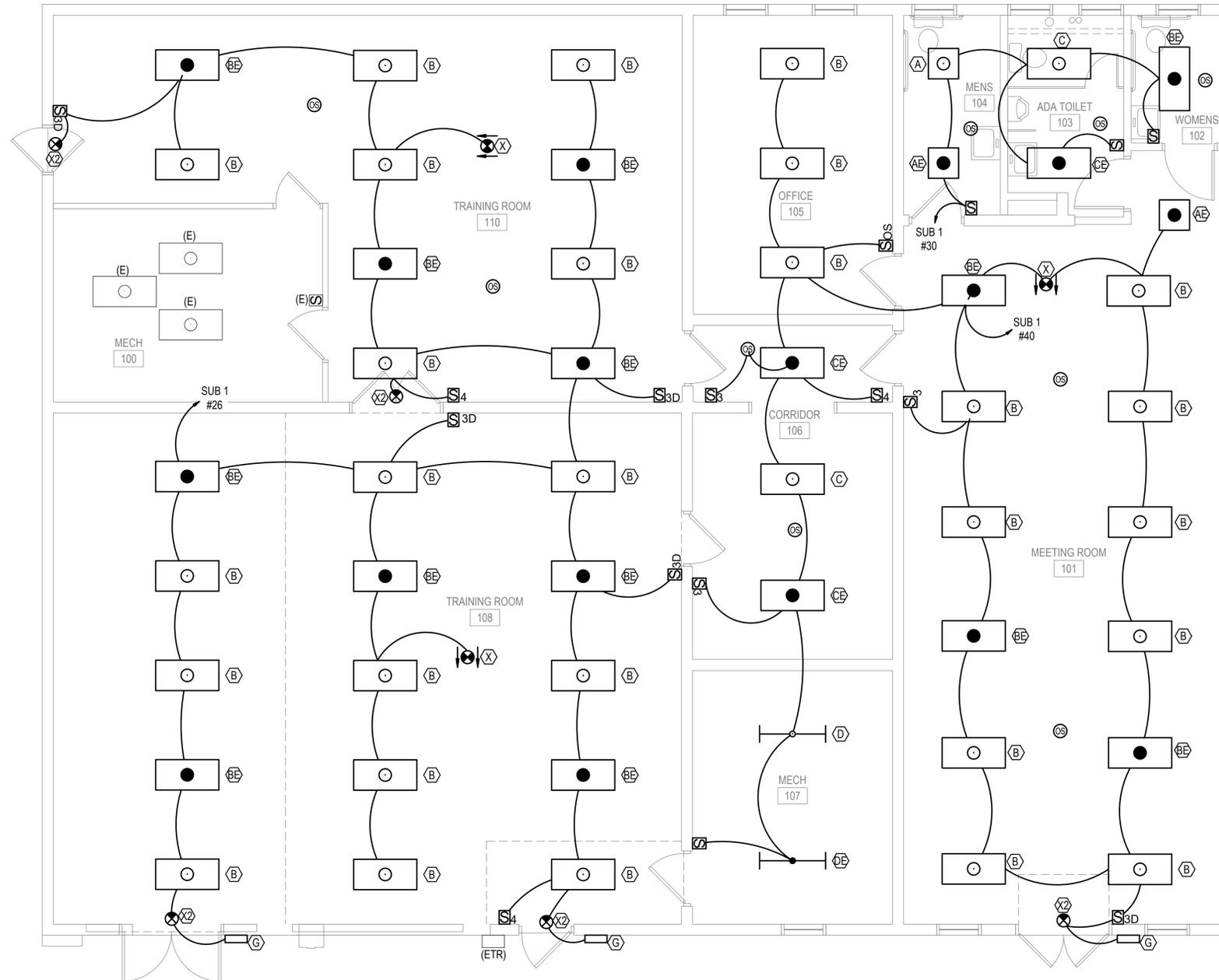
**FIRST FLOOR
 PLAN - POWER
 - DEMO**

Dwg No.: **ED102**

GENERAL NOTE

- G1. VERIFY LOCATION AND DIMENSIONS OF EXISTING EQUIPMENT AND COORDINATE ALL WORK PRIOR TO THE START OF CONSTRUCTION.
- G2. ALL WORK SHALL BE NEW AND PROVIDED UNDER THIS CONTRACT UNLESS SPECIFICALLY MARKED EXISTING, EXIST., OR (ETR).

**DELAWARE ARMY NATIONAL GUARD
 BETHANY BEACH TRAINING SITE
 BUILDING 151 RENOVATIONS
 BETHANY BEACH, DELAWARE**



1 FIRST FLOOR PLAN - LIGHTING
 1/4"=1'-0"
 0 4' 8'

| REV | DATE | COMMENTS |
|-----|------------|--------------------------|
| A | 12/13/2023 | 60% SUBMISSION |
| B | 04/02/2024 | 80% SUBMISSION |
| C | 03/18/2025 | BID DOCUMENTS SUBMISSION |

Date: MARCH 2025
 Scale: AS NOTED
 Dwn By: ATR
 Proj No.: 0999J047.A01

FIRST FLOOR PLAN - LIGHTING

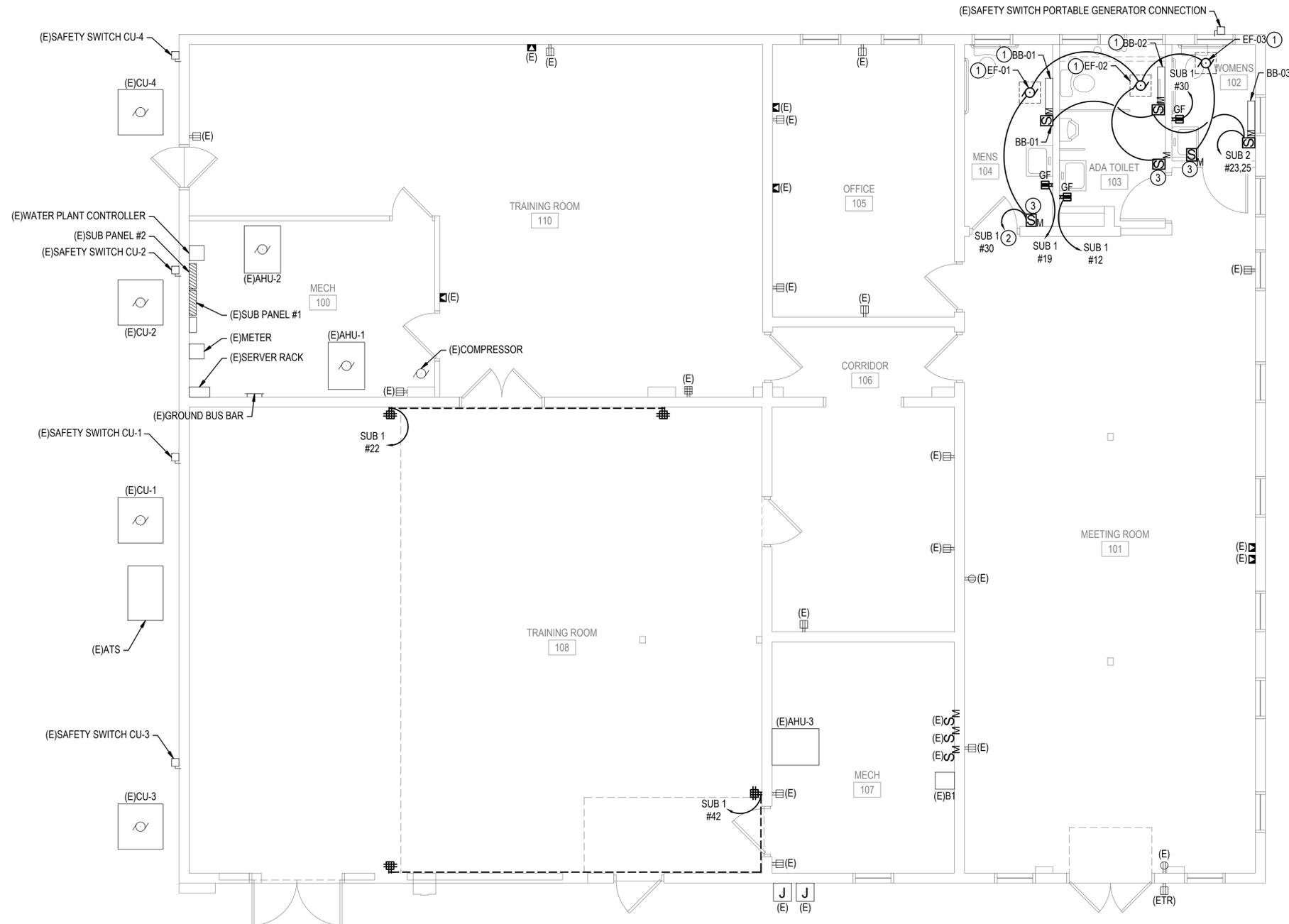
Dwg No.: **E-101**

GENERAL NOTE

- G1. VERIFY LOCATION AND DIMENSIONS OF EXISTING EQUIPMENT AND COORDINATE ALL WORK PRIOR TO THE START OF CONSTRUCTION.
- G2. ALL WORK SHALL BE NEW AND PROVIDED UNDER THIS CONTRACT UNLESS SPECIFICALLY MARKED EXISTING, EXIST., OR (ETR).

NOTES

- 1. SEE MOTOR AND EQUIPMENT SCHEDULE FOR MOTOR AND FEEDER CHARACTERISTICS.
- 2. CONNECT EXHAUST FANS TO 120V CIRCUIT SERVING AREA/RESTROOM LIGHTING. WIRE EXHAUST FAN DOWNSTREAM OF OCCUPANCY SENSOR TO ACHIEVE MANUAL ON/ AUTOMATIC ON/OFF CONTROL OF FAN. REFER TO WIRING DIAGRAM 1/E-001 FOR ADDITIONAL INFORMATION.
- 3. MOUNT SWITCH ADJACENT TO LIGHT SWITCH. REFER TO E-101 FOR ADDITIONAL INFORMATION.



① FIRST FLOOR PLAN - POWER
 1/4"=1'-0"
 0 4' 8'

| REV | DATE | COMMENTS |
|-----|------------|--------------------------|
| A | 12/13/2023 | 60% SUBMISSION |
| B | 04/02/2024 | 80% SUBMISSION |
| C | 03/18/2025 | BID DOCUMENTS SUBMISSION |

Date: MARCH 2025
 Scale: AS NOTED
 Dwn By: ATR
 Proj No.: 0999J047.A01

FIRST FLOOR PLAN - POWER

Dwg No.: E-102

| REV | DATE | COMMENTS |
|-----|------------|--------------------------|
| A | 12/13/2023 | 60% SUBMISSION |
| B | 04/02/2024 | 80% SUBMISSION |
| C | 03/18/2025 | BID DOCUMENTS SUBMISSION |

Date: MARCH 2025
 Scale: AS NOTED
 Dwn.By: ATR
 Proj No.: 0999J047.A01

SCHEDULES

Dwg No.: **E-601**



LUMINAIRE TYPE C

GENERAL: 2' X 4' RECESSED LENSED FLAT PANEL TROFFER, U.L. LISTED.
HOUSING: COLD-ROLLED STEEL WITH HIGH REFLECTANCE BAKED ENAMEL FINISH
LENS: ACRYLIC LENS
DRIVER: ELECTRONIC DIMMABLE DRIVER; HIGH EFFICIENCY, U.L. LISTED, RATED FOR 120/277 VOLT OPERATION
LAMPS: LED, 3000 LUMENS (MINIMUM)
CCT: 3500K
BASIS OF DESIGN: LITHONIA LIGHTING - CPX-2X4-AL07-80CRI-SWW7-SWL-MVOLT



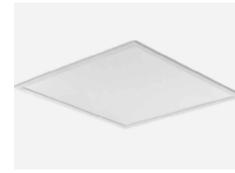
LUMINAIRE TYPE BE

GENERAL: 2' X 4' RECESSED LENSED FLAT PANEL TROFFER WITH EMERGENCY BATTERY RATED FOR 1400 LUMENS.
HOUSING: COLD-ROLLED STEEL WITH HIGH REFLECTANCE BAKED ENAMEL FINISH
LENS: ACRYLIC LENS
DRIVER: ELECTRONIC DIMMABLE DRIVER; HIGH EFFICIENCY, U.L. LISTED, RATED FOR 120/277 VOLT OPERATION
LAMPS: LED, 6000 LUMENS (MINIMUM)
CCT: 3500K
BASIS OF DESIGN: LITHONIA LIGHTING - CPX-2X4-AL07-80CRI-SWW7-SWL-MVOLT-E10WLCP



LUMINAIRE TYPE B

GENERAL: 2' X 4' RECESSED LENSED FLAT PANEL TROFFER, U.L. LISTED.
HOUSING: COLD-ROLLED STEEL WITH HIGH REFLECTANCE BAKED ENAMEL FINISH
LENS: ACRYLIC LENS
DRIVER: ELECTRONIC DIMMABLE DRIVER; HIGH EFFICIENCY, U.L. LISTED, RATED FOR 120/277 VOLT OPERATION
LAMPS: LED, 6000 LUMENS (MINIMUM)
CCT: 3500K
BASIS OF DESIGN: LITHONIA LIGHTING - CPX-2X4-AL07-80CRI-SWW7-SWL-MVOLT



LUMINAIRE TYPE AE

GENERAL: RECESSED 2'X2' LENSED FLAT PANEL LED TROFFER WITH EMERGENCY BATTERY RATED FOR 1400 LUMENS.
HOUSING: COLD-ROLLED STEEL WITH HIGH REFLECTANCE BAKED ENAMEL FINISH.
LENS: ACRYLIC LENS
DRIVER: ELECTRONIC DIMMABLE DRIVER; HIGH EFFICIENCY, U.L. LISTED, RATED FOR 120/277 VOLT OPERATION
LAMPS: LED, 3000 LUMENS (MINIMUM)
CCT: 3500K
BASIS OF DESIGN: LITHONIA LIGHTING - CPX-2X2-AL07-80CRI-SWW7-SWL-MVOLT-E10WLCP



LUMINAIRE TYPE A

GENERAL: RECESSED 2'X2' LENSED FLAT PANEL LED TROFFER.
HOUSING: COLD-ROLLED STEEL WITH HIGH REFLECTANCE BAKED ENAMEL FINISH.
LENS: ACRYLIC LENS
DRIVER: ELECTRONIC DIMMABLE DRIVER; HIGH EFFICIENCY, U.L. LISTED, RATED FOR 120/277 VOLT OPERATION
LAMPS: LED, 3000 LUMENS (MINIMUM)
CCT: 3500K
BASIS OF DESIGN: LITHONIA LIGHTING - CPX-2X2-AL07-80CRI-SWW7-SWL-MVOLT



LUMINAIRE TYPE G

GENERAL: NORMALLY-OFF WALL MOUNTED LED EMERGENCY EGRESS LUMINAIRE SUITABLE FOR OUTDOOR LOCATIONS, WITH NICKEL-CADMIUM BATTERY.
HOUSING: DIE-CAST ALUMINUM HOUSING FINISHED IN BRONZE.
LENS: UV STABILIZED POLYCARBONATE LENS.
DRIVER: ELECTRONIC DIMMABLE DRIVER; HIGH EFFICIENCY, U.L. LISTED, RATED FOR 120/277 VOLT OPERATION
LAMPS: LED 1530 LUMENS (MINIMUM), 4000K COLOR TEMPERATURE
BASIS OF DESIGN: LITHONIA LIGHTING - AFB OEL DDBTXD UVOLT N WT
MOUNTING HEIGHT: 7'-6" AFF



LUMINAIRE TYPE F

GENERAL: WALL-MOUNTED 2"-0" LENSED LED BRACKET/WRAPAROUND LUMINAIRE.
HOUSING: ALUMINUM DIE CAST WITH HIGH-GLOSS BAKED WHITE ENAMEL FINISH.
LENS: ACRYLIC LENS.
DRIVER: ELECTRONIC DIMMABLE DRIVER; HIGH EFFICIENCY, U.L. LISTED, RATED FOR 120/277 VOLT OPERATION
LAMPS: 3000 LUMEN OUTPUT, 4000K COLOR TEMPERATURE, MINIMUM CRI OF 80, MINIMUM 70% LUMEN MAINTENANCE AT 50,000 HOURS
BASIS OF DESIGN: LITHONIA LIGHTING - FMLWL 24 840 MVOLT
MOUNTING HEIGHT: 7'-6" AFF.



LUMINAIRE TYPE DE

GENERAL: PENDANT MOUNTED INDUSTRIAL LED LUMINAIRE WITH FLAT DIFFUSE LENS. EMERGENCY BATTERY RATED FOR 1400 LUMENS.
HOUSING: INJECTION MOLDED HIGH IMPACT METAL, FULLY GASKETED.
LENS: IMPACT RESISTANT 100% VIRGIN ACRYLIC LENS WITH PEBBLED INTERIOR PATTERN SMOOTH EXTERIOR, WITH CONTINUOUS FLANGE TO INTERLOCK WITH HOUSING.
DRIVER: RATED FOR 120V-277V OPERATION, 0-10V DIMMING, HIGH POWER FACTOR, CLASS P, CBM CERTIFIED, SOUND RATED, U.L. LISTED
LAMPS: 7,000 LUMEN OUTPUT, 4000K COLOR TEMPERATURE, MINIMUM CRI OF 80, 70% LUMEN MAINTENANCE AT 50,000 HOURS
MOUNTING HEIGHT: 10'-0" AFF
BASIS OF DESIGN: LITHONIA LIGHTING - CLX L48 7000LM SEF FDL GZ10 40K 80CRI WH SQ48" E10W



LUMINAIRE TYPE D

GENERAL: PENDANT MOUNTED INDUSTRIAL LED LUMINAIRE WITH FLAT DIFFUSE LENS.
HOUSING: INJECTION MOLDED HIGH IMPACT METAL, FULLY GASKETED.
LENS: IMPACT RESISTANT 100% VIRGIN ACRYLIC LENS WITH PEBBLED INTERIOR PATTERN SMOOTH EXTERIOR, WITH CONTINUOUS FLANGE TO INTERLOCK WITH HOUSING.
DRIVER: RATED FOR 120V-277V OPERATION, 0-10V DIMMING, HIGH POWER FACTOR, CLASS P, CBM CERTIFIED, SOUND RATED, U.L. LISTED
LAMPS: 7,000 LUMEN OUTPUT, 4000K COLOR TEMPERATURE, MINIMUM CRI OF 80, 70% LUMEN MAINTENANCE AT 50,000 HOURS
MOUNTING HEIGHT: 10'-0" AFF
BASIS OF DESIGN: LITHONIA LIGHTING - CLX L48 7000LM SEF FDL GZ10 40K 80CRI WH SQ48"



LUMINAIRE TYPE CE

GENERAL: 2' X 4' RECESSED LENSED FLAT PANEL TROFFER WITH EMERGENCY BATTERY RATED FOR 1400 LUMENS.
HOUSING: COLD-ROLLED STEEL WITH HIGH REFLECTANCE BAKED ENAMEL FINISH
LENS: ACRYLIC LENS
DRIVER: ELECTRONIC DIMMABLE DRIVER; HIGH EFFICIENCY, U.L. LISTED, RATED FOR 120/277 VOLT OPERATION
LAMPS: LED, 3000 LUMENS (MINIMUM)
CCT: 3500K
BASIS OF DESIGN: LITHONIA LIGHTING - CPX-2X4-AL07-80CRI-SWW7-SWL-MVOLT-E10WLCP



LUMINAIRE TYPE X2

GENERAL: UNIVERSAL MOUNT, THERMOPLASTIC, COMBINATION EXIT/EMERGENCY LIGHT UNIT WITH DUAL LAMP HEADS, LIGHT EMITTING DIODE (LED) TYPE WITH RED PLASTIC DIFFUSER, U.L. LISTED.
HOUSING: THERMOPLASTIC HOUSING WITH NO VISIBLE HARDWARE, UNIVERSAL MOUNT CANOPY.
FINISH: HOUSING AND CANOPY - WHITE.
BATTERY: NICKEL CADMIUM WITH CONSTANT CURRENT SOLID STATE CHARGER.
LAMPS: RED LIGHT EMITTING DIODES (LED) MAXIMUM ENERGY CONSUMPTION 5W WITH 30 YEAR ESTIMATED LIFE.
BASIS OF DESIGN: LITHONIA LIGHTING - ECC-R



LUMINAIRE TYPE X

GENERAL: UNIVERSAL MOUNT, THERMOPLASTIC EXIT SIGN - LIGHT EMITTING DIODE (LED) TYPE WITH RED PLASTIC DIFFUSER, U.L. LISTED.
HOUSING: THERMOPLASTIC HOUSING WITH NO VISIBLE HARDWARE, UNIVERSAL MOUNT CANOPY.
FACE: 6" HIGH LETTERS, PRECISION CUT. LETTERS WITH MINIMUM 0.0125" THICK RED 100% VIRGIN ACRYLIC DIFFUSER PANEL. PROVIDE EXIT LUMINAIRES HAVING DIRECTIONAL ARROWS WHEN SO INDICATED ON THE DRAWINGS.
FINISH: HOUSING AND CANOPY - WHITE.
BATTERY: NICKEL CADMIUM WITH CONSTANT CURRENT SOLID STATE CHARGER.
LAMPS: RED LIGHT EMITTING DIODES (LED) MAXIMUM ENERGY CONSUMPTION 5W WITH 30 YEAR ESTIMATED LIFE.
BASIS OF DESIGN: LITHONIA LIGHTING - LQM-S-W-3-R-120/277-EL N.

GENERAL NOTE

- G1. VERIFY LOCATION AND DIMENSIONS OF EXISTING EQUIPMENT AND COORDINATE ALL WORK PRIOR TO THE START OF CONSTRUCTION.
- G2. ALL WORK SHALL BE NEW AND PROVIDED UNDER THIS CONTRACT UNLESS SPECIFICALLY MARKED EXISTING, EXIST., OR (ETR).

(E)PANEL SUB 1

| MAIN BUS SIZE (AMPS): | | 200 | INTERRUPT. RATING (KAIC): | | 22 | NEUTRAL BUS SIZE: | | 100% | MOUNTING TYPE: | | SURFACE | | |
|----------------------------------|-------------------------|-----------|---------------------------|--------------|-----------|-------------------------------|-----------------|--------|----------------|---------------------------------|--------------------------|----------------------------------|----|
| MAIN BUS MATERIAL: | | COPPER | VOLTAGE: | | 120 / 208 | SECTION NO.: | | 1 OF 1 | LOCATION: | | MECH ROOM 100 | | |
| MAIN CIRCUIT BREAKER (AMPS): | | 200 | PHASE: | 3 | WIRE: | 4 | ENCLOSURE TYPE: | | NEMA 1 | BOLT-ON BRANCH CIRCUIT BREAKERS | | | |
| CKT NO. | DESCRIPTION | LOAD TYPE | LOAD (KVA) | BREAKER AMPS | POLES | | BREAKER POLES | AMPS | LOAD (KVA) | LOAD TYPE | DESCRIPTION | CKT NO. | |
| 1 | (E)CIRCULATOR #1 | N | 0.00 | 20 | 1 | A | 1 | 20 | 0.00 | N | (E)OUTER WALL PAC | 2 | |
| 3 | (E)BOILER #1 | N | 0.00 | 20 | 1 | B | 1 | 20 | 0.00 | N | (E)A/C TEST | 4 | |
| 5 | (E)LOAD | N | 0.00 | 15 | 1 | | C | 2 | 30 | 0.00 | N | (E)LOAD | 6 |
| 7 | REC. WOMENS 102 | R | 0.18 | 20 | 1 | A | | | 0.00 | | | 8 | |
| 9 | (E)LOAD | N | 0.00 | 15 | 1 | B | 1 | 15 | 0.00 | N | (E)LOAD | 10 | |
| 11 | (E)ELEC DOOR MECH RM | N | 0.00 | 15 | 1 | | C | 1 | 20 | 0.18 | R | REC. ADA TOILET 103 | 12 |
| 13 | (E)TUNE UP TESTER | N | 0.00 | 15 | 1 | A | | | 0.00 | N | (E)HEATER FAN BREAK AREA | 14 | |
| 15 | (E)CIRCULATOR #2 | N | 0.00 | 15 | 1 | B | 1 | 20 | 0.00 | N | (E)A/C TEST | 16 | |
| 17 | (E)HEATER FAN MECH SHOP | N | 0.00 | 15 | 1 | | C | 1 | 20 | 0.00 | N | (E)CIRCULATOR #3 | 18 |
| 19 | REC. MENS 104 | R | 0.18 | 20 | 1 | A | | | 0.00 | N | (E)C/E ANNEX | 20 | |
| 21 | (E)HEATER FAN REBUILD | N | 0.00 | 20 | 1 | B | 1 | 20 | 0.72 | R | REC. TRAINING RM 108 | 22 | |
| 23 | (E)LOAD | N | 0.00 | 30 | 2 | | C | 1 | 20 | 0.00 | N | (E)REC C/E ROOM | 24 |
| 25 | (E)LOAD | N | 0.00 | 30 | 1 | A | 1 | 20 | 0.90 | N | LIGHTS RM. 108, 110 | 26 | |
| 27 | (E)LOAD | N | 0.00 | 30 | 1 | B | 1 | 20 | 0.00 | N | (E)LOAD | 28 | |
| 29 | (E)COMPRESSOR | N | 0.00 | 20 | 1 | | C | 1 | 20 | 0.50 | C | LIGHT RM. 102-104, EF-01, 02, 03 | 30 |
| 31 | (E)COMPRESSOR | N | 0.00 | 20 | 1 | A | | | 0.00 | N | (E)OUTSIDE LIGHTS | 32 | |
| 33 | (E)WATER HEATER | N | 0.00 | 30 | 2 | B | 1 | 20 | 0.00 | N | (E)REC FOR CLOCK | 34 | |
| 35 | (E)WATER HEATER | N | 0.00 | 30 | 2 | | C | 1 | 20 | 0.00 | N | (E)PEPSI MACHINE | 36 |
| 37 | (E)BLANK GFCI | N | 0.00 | 20 | 1 | A | 1 | 20 | 0.00 | N | (E)REC REBUILD AREA | 38 | |
| 39 | (E)REC. BETWEEN GARAGE | N | 0.00 | 20 | 1 | B | 1 | 20 | 0.62 | C | LIGHTS RMS. 101, 105-107 | 40 | |
| 41 | (E)LOAD | N | 0.00 | 20 | 1 | | C | 1 | 20 | 0.72 | R | REC. TRAINING RM 108 | 42 |
| CONNECTED LOAD PER PHASE (kVA) = | | | 1.3 | 1.3 | 1.4 | TOTAL CONNECTED LOAD = | | | 4.0 KVA | 11.1 AMPS | | | |
| (AMPS) = | | | 10.5 | 11.2 | 11.7 | TOTAL DEMAND LOAD = | | | 4.3 KVA | 11.9 AMPS | | | |
| LOAD REMOVED VIA DEMOLITION = | | | | | | LOAD REMOVED VIA DEMOLITION = | | | 6.7 KVA | 18.6 AMPS | | | |
| TOTAL NET LOAD ADDED = | | | | | | TOTAL NET LOAD ADDED = | | | -2.7 KVA | 0.0 AMPS | | | |

LOAD TYPES: C = CONTINUOUS, R = RECEPTACLE, M = MOTOR, N = NON-CONTINUOUS

(E)PANEL SUB 2

| MAIN BUS SIZE (AMPS): | | 200 | INTERRUPT. RATING (KAIC): | | 22 | NEUTRAL BUS SIZE: | | 100% | MOUNTING TYPE: | | SURFACE | | |
|----------------------------------|-----------------------|-----------|---------------------------|--------------|-----------|-------------------------------|-----------------|--------|----------------|---------------------------------|------------------------|------------------------|----|
| MAIN BUS MATERIAL: | | COPPER | VOLTAGE: | | 120 / 208 | SECTION NO.: | | 1 OF 1 | LOCATION: | | MECH ROOM 100 | | |
| MAIN CIRCUIT BREAKER (AMPS): | | 200 | PHASE: | 3 | WIRE: | 4 | ENCLOSURE TYPE: | | NEMA 1 | BOLT-ON BRANCH CIRCUIT BREAKERS | | | |
| CKT NO. | DESCRIPTION | LOAD TYPE | LOAD (KVA) | BREAKER AMPS | POLES | | BREAKER POLES | AMPS | LOAD (KVA) | LOAD TYPE | DESCRIPTION | CKT NO. | |
| 1 | (E)REC OVER HEATER | N | 0.00 | 20 | 1 | A | 1 | 20 | 0.00 | N | (E)DOIM DUP REC | 2 | |
| 3 | SPARE | M | 0.00 | 20 | 1 | B | 1 | 20 | 0.00 | N | (E)LOAD | 4 | |
| 5 | SPARE | N | 0.00 | 20 | 1 | | C | 1 | 20 | 0.00 | N | (E)AHU-1 | 6 |
| 7 | (E)LOAD | N | 0.00 | 20 | 1 | A | | | 0.00 | N | (E)CU-1 | 8 | |
| 9 | SPARE | N | 0.00 | 20 | 1 | B | 2 | 50 | 0.00 | N | (E)CU-1 | 10 | |
| 11 | (E)MICRO FISH | N | 0.00 | 20 | 1 | | C | 1 | 20 | 0.00 | N | (E)110V AIR COMPRESSOR | 12 |
| 13 | (E)LOAD | N | 0.00 | 20 | 1 | A | 1 | 20 | 0.00 | N | (E)OUTSIDE REC AT HVAC | 14 | |
| 15 | (E)GUN REC | N | 0.00 | 20 | 1 | B | 1 | 20 | 0.00 | N | (E)REC BOILER ROOM | 16 | |
| 17 | (E)GUN REC | N | 0.00 | 20 | 1 | | C | 1 | 20 | 0.00 | N | SPARE | 18 |
| 19 | (E)SUPPLY RM OFC HEAT | N | 0.00 | 20 | 2 | A | 2 | 15 | 0.00 | N | (E)CU-4 | 20 | |
| 21 | (E)SUPPLY RM OFC HEAT | N | 0.00 | 20 | 2 | B | | | 0.00 | N | (E)CU-4 | 22 | |
| 23 | BB-01, BB-02, BB-03 | C | 1.10 | 15 | 2 | | C | 1 | 20 | 0.00 | N | (E)AHU-3 | 24 |
| 25 | BB-01, BB-02, BB-03 | C | 1.10 | 15 | 2 | A | 2 | 50 | 0.00 | N | (E)CU-3 | 26 | |
| 27 | (E)AHU-2 | N | 0.00 | 20 | 1 | B | 2 | 50 | 0.00 | N | (E)CU-3 | 28 | |
| 29 | (E)CU-2 | N | 0.00 | 50 | 2 | | C | 2 | 60 | 0.00 | N | (E)SUPPLY JOHNS ROOM | 30 |
| 31 | (E)CU-2 | N | 0.00 | 50 | 2 | A | | | 0.00 | N | (E)SUPPLY JOHNS ROOM | 32 | |
| 33 | SPACE | N | 0.00 | -- | 1 | B | 2 | 100 | 0.00 | N | (E)VCOT | 34 | |
| 35 | SPACE | N | 0.00 | -- | 1 | | C | 2 | 100 | 0.00 | N | (E)VCOT | 36 |
| 37 | SPACE | N | 0.00 | -- | 1 | A | | | 0.00 | N | (E)VCOT | 38 | |
| 39 | SPACE | N | 0.00 | -- | 1 | B | 3 | 100 | 0.00 | N | (E)MAIN | 40 | |
| 41 | SPACE | N | 0.00 | -- | 1 | | C | 3 | 100 | 0.00 | N | (E)MAIN | 42 |
| CONNECTED LOAD PER PHASE (kVA) = | | | 1.1 | 0.0 | 1.1 | TOTAL CONNECTED LOAD = | | | 2.2 KVA | 6.1 AMPS | | | |
| (AMPS) = | | | 9.2 | 0.0 | 9.2 | TOTAL DEMAND LOAD = | | | 1.4 KVA | 3.8 AMPS | | | |
| LOAD REMOVED VIA DEMOLITION = | | | | | | LOAD REMOVED VIA DEMOLITION = | | | 0.0 KVA | 0.0 AMPS | | | |
| TOTAL NET LOAD ADDED = | | | | | | TOTAL NET LOAD ADDED = | | | 2.2 KVA | 0.0 AMPS | | | |

LOAD TYPES: C = CONTINUOUS, R = RECEPTACLE, M = MOTOR, N = NON-CONTINUOUS

MOTOR AND EQUIPMENT SCHEDULE

| EQUIPMENT NAME | HP | KW | RATED VOLT. | PHASE | FLA | MOTOR CONTROLLER [2] | | FEEDER | | | | LOCAL SWITCH | | REMARKS | |
|---------------------|----|----|-------------|-------|-------|----------------------|---------------|--------|------|------|----------|--------------|-------|---------|---------|
| | | | | | | TYPE | LOCAL CONTROL | WIRE | | | TYPE [1] | FRAME SIZE | POLES | | |
| | | | | | | | | NO. | SIZE | GRD. | | | | | CONDUIT |
| BB-01, BB-02, BB-03 | - | - | 208 | 1Ø | 3.6A | SEE MECHANICAL | | 2 | #12 | #12 | 3/4" | MRT | 20A | 2 | |
| EF-01 | - | - | 115 | 1Ø | 1.8A | SEE MECHANICAL | | 2 | #12 | #12 | 3/4" | MRT | 20A | 2 | |
| EF-02, EF-03 | - | - | 115 | 1Ø | 0.19A | SEE MECHANICAL | | 2 | #12 | #12 | 3/4" | MRT | 20A | 2 | |

NOTES:
 [1] NFSS - NON-FUSED SAFETY SWITCH
 FSS - FUSED SAFETY SWITCH
 MRT - MOTOR-RATED TOGGLE SWITCH
 [2] SEE MECHANICAL DRAWINGS FOR AUXILIARY CONTACT REQUIREMENTS.

| REV | DATE | COMMENTS |
|-----|------------|--------------------------|
| A | 12/13/2023 | 60% SUBMISSION |
| B | 04/02/2024 | 80% SUBMISSION |
| C | 03/18/2025 | BID DOCUMENTS SUBMISSION |

Date: MARCH 2025
 Scale: AS NOTED
 Dwn By: ATR
 Proj No.: 0999J047.A01

SCHEDULES

Dwg No.: E-602