# CONY ROAD BUILDING RENOVATION

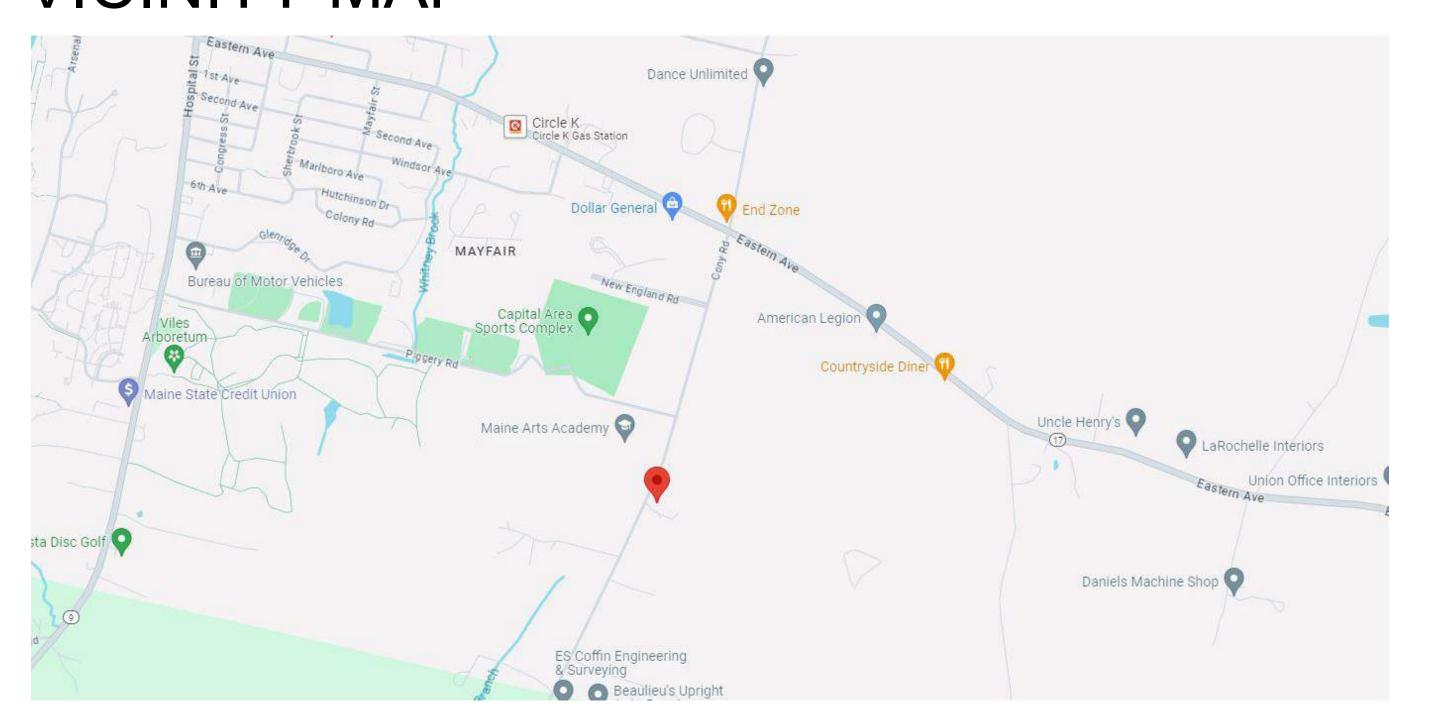
PROJECT STATUS: ISSUED FOR BID

SUBMISSION DATE: 01-10-2025

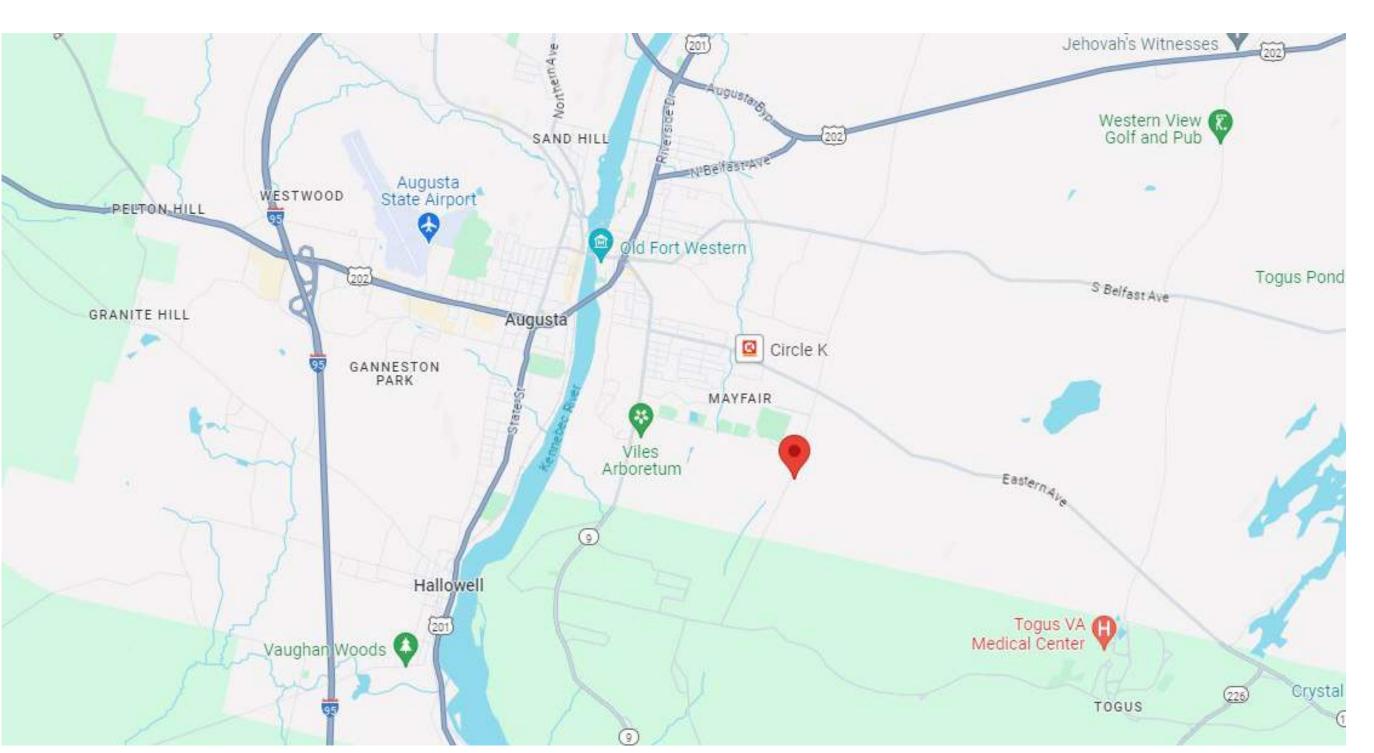
FACILITY NAME: CONY ROAD BUILDING

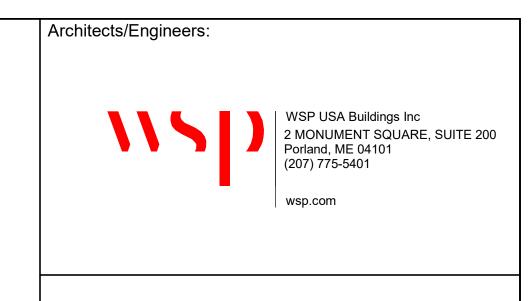


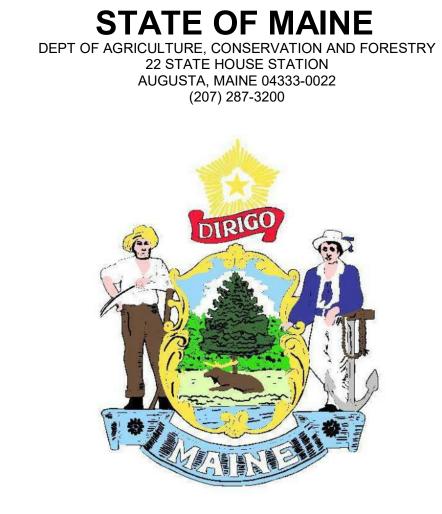
## **VICINITY MAP**



## LOCATION MAP







WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS. THESE DRAWING SHALL BE COPIED FROM THE ORIGINAL BLUEPRINTS AND ARE APPROXIMATELY TO SCALE. IT IS TH CONTRACTORS RESPONSIBILITY TO VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE PROJECT AND SHALL NOTIFY THE ENGINEER OF ANY VARIATIONS FROM THE DIMENSIONS AND CONDITIONS SHOWN ON THESE DRAWINGS.

NO. REVISION

DATE

LIZABETH

O1-10-2025

CONY ROAD BUILDING RENOVATION

OWNE

MAINE DEPARTMENT
OF AGRICULTURE,
CONSERVATION AND
FORESTRY

TITLE

COVER SHEET

PROJECT NO.: 3529230024

DATE: 01-10-2025

DWN. BY: JLR CKD. BY: EAH

G-000

THE CONTRACTOR SHALL DO THIS WORK IN ACCORDANCE WITH LOCAL LAWS AND ORDINANCES HAVING JURISDICTION. OTHER THAN THE BUILDING PERMIT, THE CONTRACTOR SHALL OBTAIN

ALL OTHER PERMITS AND APPROVALS AS REQUIRED BY LAW FOR

THE COMPLETION OF THE WORK AND ISSUANCE OF A FULL

CERTIFICATE OF OCCUPANCY.

THE SUBMISSION OF A PROPOSAL BY THE CONTRACTOR WILL BE CONSTRUED AS EVIDENCE THAT A CAREFUL AND THOROUGH EXAMINATION OF THE SITE HAS BEEN MADE AND LATER CLAIMS FOR LABOR, MATERIALS OR EQUIPMENT REQUIRED OR FOR DIFFICULTIES ENCOUNTERED. WHICH COULD HAVE BEEN FORESEEN HAD SUCH AN EXAMINATION BEEN MADE, WILL NOT BE RECOGNIZED. IT SHALL ALSO CONSTITUTE A REPRESENTATION THAT THE CONTRACTOR HAS CHECKED AND VERIFIED ALL QUANTITIES, WORK AND MATERIALS INVOLVED AND THAT THEY SHALL TAKE RESPONSIBILITY FOR ANY DEFICIENCIES THEREIN.

BEFORE ORDERING ANY MATERIAL OR DOING ANY WORK, EACH TRADE SHALL VERIFY ALL MEASUREMENTS IN THE FIELD AND SHALL BE RESPONSIBLE FOR THE CORRECTNESS OF SAME. NO EXTRA CHARGE OR COMPENSATION WILL BE ALLOWED ON ACCOUNT OF DIFFERENCE BETWEEN ACTUAL DIMENSIONS AND THE MEASUREMENTS INDICATED ON THE DRAWINGS; ANY DISCREPANCIES BETWEEN THE DRAWINGS AND FIELD CONDITIONS WHICH MAY BE FOUND SHALL BE SUBMITTED TO THE ARCHITECT FOR CONSIDERATION AND CLARIFICATION BEFORE PROCEEDING WITH THE WORK.

. ALL OF THE ENGINEERS AND ARCHITECT'S DRAWINGS AND CONSTRUCTION NOTES ARE COMPLIMENTARY AND WHAT IS CALLED FOR BY EITHER WILL BE BINDING AS IF CALLED FOR BY ALL: ANY WORK SHOWN OR REFERRED TO ON ANY ONE DRAWING SHALL BE PROVIDED AS THOUGH SHOWN ON ALL DRAWINGS. WHENEVER AN ITEM IS SPECIFIED AND/OR SHOWN ON THE DRAWINGS BY DETAIL OR REFERENCE IT SHALL BE CONSIDERED TYPICAL FOR OTHER ITEMS WHICH ARE OBVIOUSLY INTENDED TO BE THE SAME EVEN THOUGH NOT SO DESIGNATED OR SPECIFICALLY NAMED BUT DO SERVE THE SAME FUNCTION.

THE WORK TO BE PERFORMED CONSISTS OF FURNISHING ALL LABOR, EQUIPMENT, TOOLS, TRANSPORTATION, SUPPLIES, FEES MATERIALS. AND SERVICES IN ACCORDANCE WITH THESE NOTES AND DRAWINGS AND PERFORMING ALL OPERATIONS NECESSARY TO CONSTRUCT AND INSTALL COMPLETE AND IN SATISFACTORY CONDITION THE VARIOUS MATERIALS AND EQUIPMENT AT THE LOCATIONS SHOWN. EVERY ITEM REQUISITE TO FINISH THE ENTIRE WORK PROPERLY MAY NOT BE SPECIFICALLY MENTIONED OR SHOWN. NOTWITHSTANDING THE FACT THAT EVERY ITEM NECESSARILY INVOLVED MAY NOT BE SPECIFICALLY MENTIONED OR SHOWN. ANY ITEM WHICH MAY BE REASONABLY IMPLIED OR CONSTRUED AS INCIDENTAL TO THE PROPER AND SATISFACTORY COMPLETION OF THE WORK IN ACCORDANCE WITH THE INTENT OF THESE NOTES AND DRAWINGS IS HEREBY INCLUDED.

THE CONTRACTOR SHALL ABIDE BY AND COMPLY WITH THE TRUE INTENT AND MEANING OF THE DRAWINGS AND NOTES TAKEN AS A WHOLE AND SHALL NOT AVAIL THEIRSELF OF ANY OBVIOUS ERRORS OR OMISSIONS, SHOULD ANY EXIST. SHOULD ANY ERROR OR DISCREPANCY APPEAR OR ANY DOUBT ARISE AS TO THE TRUE MEANING OF THE DRAWINGS OR NOTES, THE CONTRACTOR SHALL BRING SUCH ITEMS TO THE ATTENTION OF THE ARCHITECT BEFORE SUBMISSION OF PROPOSAL FOR EXPLANATION OR CORRECTION OF SAME. AFTER THE SUBMISSION OF PROPOSAL, THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR ALL SUCH ITEMS.

THE CHARACTER AND SCOPE OF THE WORK ARE ILLUSTRATED BY THE DRAWINGS AND NOTES. TO INTERPRET AND EXPLAIN THE DRAWINGS OTHER INFORMATION DEEMED NECESSARY BY THE ARCHITECT WILL BE FURNISHED TO THE CONTRACTOR WHEN AND AS REQUIRED BY THE WORK AND IT IS TO BE UNDERSTOOD THAT SAID ADDITIONAL INFORMATION OR DRAWINGS ARE TO BE OF EQUAL FORCE WITH THESE.

 FULL SIZE OR LARGE SCALE DETAILS OR DRAWINGS SHALL GOVERN SMALL SCALE DRAWINGS WHICH THEY ARE INTENDED TO AMPLIFY. DETAILS OR CONDITIONS INDICATED FOR A PORTION OF THE WORK BUT NOT CARRIED OUT FULLY FOR OTHER PORTIONS SHALL APPLY THROUGHOUT TO ALL SIMILAR PORTIONS EXCEPT AS OTHERWISE SPECIFICALLY NOTED. IN EVERY CASE THE GREATER QUANTITY, OR A MORE EXPENSIVE ITEM OR METHOD SHALL BE ASSUMED OVER A LESSER QUANTITY OR A LESS EXPENSIVE ONE AND DIMENSIONS SHALL BE FIGURED RATHER THAN DETERMINED BY RULE OR SCALE.

10. PARTITIONS ARE DIMENSIONED TO THE FACE OF STUDS.

1. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IMMEDIATELY IF THEY CANNOT FOR ANY REASON COMPLY WITH ALL THE REQUIREMENTS OF THESE NOTES AND DRAWINGS.

12. THE CONTRACTOR SHALL COORDINATE AND SUPERVISE THE WORK OF ALL SUB CONTRACTORS. THEY SHALL BE RESPONSIBLE FOR GIVING ALL TRADES SUCH INFORMATION, PLANS OR DETAILS AS MAY BE REQUIRED FOR THE PROPER INSTALLATION AND COMPLETION OF THEIR WORK.

13. ALL MATERIALS REQUIRED FOR THE PERFORMANCE OF THIS CONTRACT SHALL BE NEW AND OF THE BEST QUALITY OF KINDS SPECIFIED, ALL SUBJECT TO THE APPROVAL OF THE ARCHITECT THE USE OF OLD OR SECOND-HAND MATERIALS IS STRICTLY FORBIDDEN. THE CONTRACTOR SHALL, IF REQUIRED, FURNISH SATISFACTORY EVIDENCE AS TO THE KIND AND QUALITY OF MATERIALS AND WORKMANSHIP. MATERIALS SHALL BE USED IN ACCORDANCE WITH MANUFACTURER'S PRINTED INSTRUCTIONS. UPON REQUEST, THE MANUFACTURER'S REPRESENTATIVE SHALL GO TO THE SITE AND INSTRUCT THE MECHANICS IN THE USE OF THE MATERIALS OR SHALL SUPERVISE THEIR USE.

14. FOR THE EXECUTION OF THE WORK TO BE PERFORMED UNDER THIS CONTRACT AND FOR THE MANUFACTURE OR TRANSPORTATION OF ANY OF THE MATERIALS OR EQUIPMENT TO BE USED OR INSTALLED, THE CONTRACTOR SHALL EMPLOY ONLY SUCH LABOR THROUGHOUT AS WILL NOT INTERFERE WITH THE SPEEDY AND UNINTERRUPTED COMPLETION OF THE PROJECT. ALL WORK SHALL BE DONE BY MECHANICS SKILLED IN THEIR TRADE AND SHALL BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER IN ACCORDANCE WITH THE BEST TRADE PRACTICES.

5. ANY MATERIALS DELIVERED OR WORK PERFORMED, CONTRARY TO THE DRAWINGS AND SPECIFICATIONS AND APPROVED SHOP DRAWINGS, SHALL BE REMOVED BY THE CONTRACTOR AT THEIR OWN EXPENSE. AND THE SAME SHALL BE REPLACED WITH OTHER MATERIALS OR WORK SATISFACTORY TO THE ARCHITECT. THE CONTRACTOR SHALL ALSO ASSUME THE COST OF REPLACING THE WORK WHICH MAY BE DISTURBED.

16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROPERLY AND ACCURATELY LAYING OUT THE WORK AND FOR THE LINES AND MEASUREMENTS HEREIN. THEY SHALL ESTABLISH NECESSARY REFERENCE LINES AND PERMANENT BENCH MARKS FROM WHICH BUILDING LINES AND ELEVATIONS SHALL BE TAKEN. ELEVATION HEIGHTS OF ALL WORK INCLUDING BUT NOT LIMITED TO SOFFITS CEILINGS, DOORS, HOLLOW METAL SHALL BE TRUE AND LEVEL WITHIN A MAXIMUM TOLERANCE OF 1/8" OVERALL THE ENTIRE

17. AT ALL ROOMS WITH FLOOR DRAINS: PITCH FINISHED FLOOR TO

18. FOR ALL PARTITIONS REFER TO PARTITION SYMBOLS ON DRAWINGS AND THE PARTITION TYPE SCHEDULE WHICH SHOWS PARTITION CORES AND FINISHES. REFER TO LIFE SAFETY DRAWINGS FOR LOCATION OF FIRE-RESISTANT RATED AND SMOKE RATED ASSEMBLIES, IF ANY.

19. THE CONTRACTOR SHALL KEEP THE ARCHITECT INFORMED OF THE PROGRESS OF THEIR WORK. NO WORK SHALL BE CLOSED OR COVERED UNTIL IT HAS BEEN DULY INSPECTED AND APPROVED. SHOULD UNINSPECTED WORK BE COVERED, THE CONTRACTOR SHALL, AT THEIR OWN EXPENSE, UNCOVER ALL SUCH WORK SO THAT IT CAN BE PROPERLY INSPECTED AND AFTER SUCH INSPECTION, THEY SHALL PROPERLY REPAIR AND REPLACE ALL WORK INTERFERED WITH.

21. PROTECT OWNER'S PROPERTY, EQUIPMENT AND EMPLOYEES FROM INJURY AND DAMAGE.

22. ALL HVAC, PLUMBING, SPRINKLER AND ELECTRICAL LINES ARE TO BE COORDINATED SO THAT NO CONFLICTS OCCUR. ANY CONFLICTS WHICH RESULT IN A RELOCATION OF A FINISHED SURFACE MUST BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER PRIOR

23. CONTRACTOR SHALL CONSULT WITH ELECTRICAL AND PLUMBING SUB CONTRACTORS FOR LOCATIONS OF CONDUIT AND PIPES IN FOUNDATION, SLABS ON GRADE, AND EXTERIOR WALLS AND SHALL INSTALL WATERTIGHT PIPE SLEEVES AT THEIR RESPECTIVE

24. A SET OF THE INSTRUCTION MANUALS AND INSTALLATION INSTRUCTIONS OF ALL EQUIPMENT AND ACCESSORIES INSTALLED IN THIS JOB SHALL BE KEPT BY THE CONTRACTOR AND TURNED OVER TO THE OWNER AT THE COMPLETION OF THE JOB.

25. THE CONTRACTOR IS TO PROVIDE LOOSE STEEL ANGLE OR CMU LINTELS OVER ALL DUCTS PASSING THROUGH MASONRY PARTITIONS.

26. PROVIDE ADEQUATE BACKUP AND BLOCKING FOR ALL WALL OR CEILING- MOUNTED EQUIPMENT. ARCHITECTURAL WOODWORK. HANDRAILS, LIGHTING, OR OTHER MISCELLANEOUS ITEMS SHOWN ON DRAWINGS TO ASSURE A SECURE INSTALLATION.

27. THE PREMISES AND THE JOB SITE SHALL BE MAINTAINED IN A REASONABLY NEAT AND ORDERLY CONDITION AND KEPT FREE FROM ACCUMULATIONS OF WASTE MATERIALS AND RUBBISH DURING THE ENTIRE CONSTRUCTION PERIOD.

A. REMOVE CRATES, FLAMMABLE WASTE MATERIALS OR TRASH FROM THE WORK AREAS AT THE END OF EACH WORKING DAY.

B. ELECTRICAL CLOSETS, PIPE AND DUCT SHAFTS, CHASES. FURRED SPACES AND SIMILAR SPACES WHICH ARE GENERALLY UNFINISHED SHALL BE CLEANED AND LEFT FREE FROM RUBBISH, LOOSE PLASTER, MORTAR DRIPPINGS EXTRANEOUS CONSTRUCTION MATERIALS, DIRT AND DUST.

C. CARE SHALL BE TAKEN BY WORKERS NOT TO MARK, SOIL. OR OTHERWISE DEFACE FINISHED SURFACES. IN THE EVENT THAT FINISHED SURFACES BECOME DEFACED, CLEAN AND RESTORE SUCH SURFACES TO THEIR ORIGINAL CONDITION. IF THIS IS NOT POSSIBLE, DAMAGED SURFACES SHALL BE

D. CLEAN UP IMMEDIATELY UPON COMPLETION OF EACH TRADE'S WORK.

E. CLEAN AREAS OF THE BUILDING IN WHICH PAINTING AND FINISHING WORK IS TO BE PERFORMED JUST PRIOR TO THE START OF THIS WORK, AND MAINTAIN THESE AREAS IN SATISFACTORY CONDITION FOR PAINTING AND FINISHING.

F. THIS CLEANING INCLUDES THE REMOVAL OF TRASH AND RUBBISH FROM THESE AREAS, BROOM CLEANING OF FLOORS, THE REMOVAL OF ANY PLASTER, MORTAR, DUST AND OTHER EXTRANEOUS MATERIALS FROM FINISH SURFACES, INCLUDING BUT NOT LIMITED TO, MISCELLANEOUS METAL, WOODWORK, PLASTER, GYPSUM DRYWALL, MASONRY, CONCRETE. MECHANICAL AND ELECTRICAL EQUIPMENT, PIPING. GRILLES. REGISTERS AND OTHER SUCH FIXTURES OR DEVICES ARE IN PLACE.

G. IN ADDITION TO THE CLEANING SPECIFIED ABOVE AND THE MORE SPECIFIC CLEANING WHICH MAY BE REQUIRED IN VARIOUS SECTIONS OF THE SPECIFICATIONS, THE PREMISES SHALL BE PREPARED FOR OCCUPANCY BY:

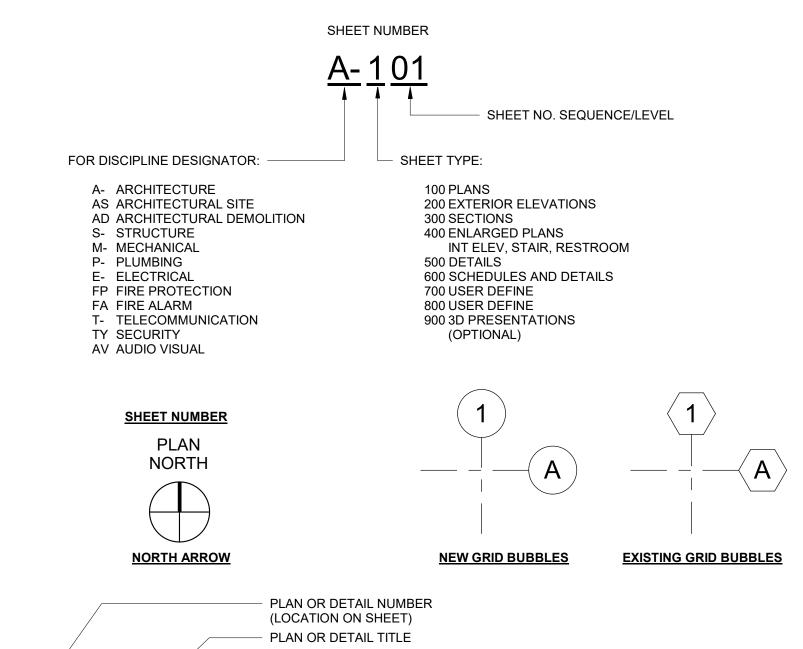
 A THOROUGH CLEANING THROUGHOUT INCLUDING WASHING OR CLEANING BY OTHER APPROVED METHODS OF ALL FLOORS AND SURFACES ON WHICH DIRT OR DUST HAS COLLECTED AND BY WASHING GLASS, REMOVING ALL PAINT, PUTTY AND STAINS

ii. PROVIDING AND MAINTAINING ADEQUATE RUNNER STRIPS OF NON-STAINING REINFORCED KRAFT BUILDING PAPER ON FINISHED FLOORS AS REQUIRED FOR PROTECTION.

iii. LEAVING ALL FIXTURES AND EQUIPMENT IN AN UNDAMAGED, BRIGHT, CLEAN, POLISHED CONDITION.

iv. CLEAN AND POLISH ALL HARDWARE, AND OTHER METAL

v. ALL OTHER CLEANING AS REQUIRED TO TURN THE BUILDING AND PREMISES OVER TO THE OWNER IN A SPOTLESS AND ORDERLY CONDITION.

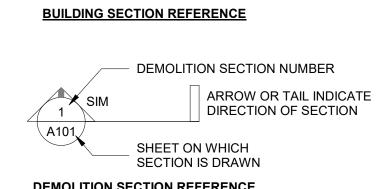


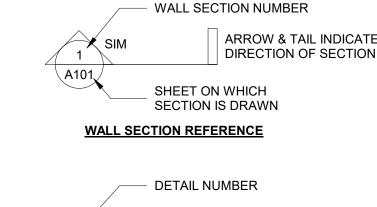
**SYMBOLOGY** 

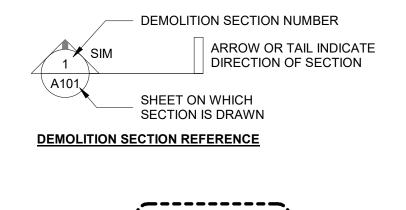
View Name REF: R101 SCALE: 1/8" = 1'-0" REFERENCE LOCATION DRAWING SCALE **PLAN OR DETAIL TITLE** 

**GRAPHIC SCALE** 2 (A101) WHICH WHICH **ELEVATION** ELEVATION IS DRAWN IS DRAWN DEMOLITION **DEMOLITION** EXTERIOR ELEVATION REFERENCE INTERIOR ELEVATION REFERENCE

**BUILDING SECTION NUMBER** ARROW OR TAIL INDICATE DIRECTION OF SECTION SHEET ON WHICH SECTION IS DRAWN **BUILDING SECTION REFERENCE** 

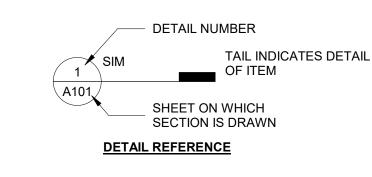




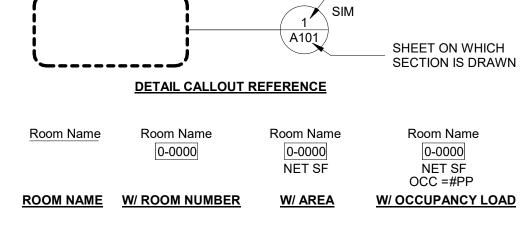


(101A)

**KEYNOTE TAG** 



**DETAIL SECTION NUMBER** 



**W101A** 

**DOOR TAG** WINDOW TAG 00-00-00 WALL TAG CEILING TAG EL: 8'-0" AFF **SPOT ELEVATIONS** LEVEL HEADS 

**BID ALTERNATE TAG** 

STORIES (IBC 2015 TABLE 504.4) 55 FT 22 FT HEIGHT (FT) (IBC 2015 TABLE 504.3) **BUILDING AREA (IBC 2015 SECTION 506)** SEE TABLE BELOW (L101A) **LOUVER TAG** TOTAL GSF TOTAL GSF **FLOOR** (ALLOWED) (PROVIDED) FIRST LEVEL BUSINESS 92,000 STORAGE 70,000 SPECIAL PURPOSE INDUSTRIAL 62,000 224,000 **TOTAL AREA** \*\*ALLOWABLE AREA PER FLOOR BEFORE FRONTAGE INCREASE

PROJECT BID ALTERNATE ITEMS

BA1 THERMAL UPGRADES

PROVIDE SPECIFIED WALL TYPE ON WEST AND NORTH WALLS OF STORAGE 116, AND ON NORTH AND EAST WALLS OF FUTURE TRAINING SPACE 119.

BA2 INSULATION MATERIAL

 AT SPECIFIED WALL TYPE SUBSTITUTE DENSE-PACK CELLULOSE FIBER INSULATION FOR DENSE-PACK WOOD FIBER INSULATION

CONVERT EXISTING GENERATOR TO A NATURAL GAS FIRED GENERATOR

BA3 GENERATOR UPGRADE

BA4 STORAGE CAGING PROVIDE WIRE MESH STORAGE CAGING WITHIN STORAGE 116

ROOM. THE WAREHOUSE PORTION OF BUILDING IS TO REMAIN AS IS EXCEPT RECONFIGURATION ACCESSIBILITY AND FINISH UPGRADES, AND BUILDING SYSTEM REPLACEMENT. LIMITED EXTERIOR SCOPE INCLUDES WINDOW AND DOOR REPLACEMENT AND HANDRAIL REPLACEMENT. HAZARDOUS MATERIALS ABATEMENT IS ALSO INCLUDED FOR IDENTIFIED CONTAMINATED MATERIALS WITHIN THE

**COVER SHEET** THE PROJECT AREA WITHIN THE CONY ROAD BUILDING IS APPROXIMATELY 4,000 SF ON THE WEST SIDE OF THE BUILDING AND CONSISTS OF AN OFFICE AND LAB SUITE WITH SUPPORT SPACES AND A STORAGE

GENERAL

FIRE PROTECTION

PLUMBING

**IPD100** 

**IPD101** 

**GENERAL INFORMATION EGRESS AND OCCUPANCY PLANS & CODE ANALYSIS** STRUCTURAL STRUCTURAL GENERAL NOTES SLAB PLAN TYPICAL SECTIONS AND DETAILS TYPICAL SECTIONS AND DETAILS ARCHITECTURE SYMBOLS, LEGENDS, AND ABBREVIATIONS **DEMOLITION PLAN** 

**DRAWING INDEX** 

FLOOR PLAN REFLECTED CEILING PLAN **EXTERIOR ELEVATIONS** INTERIOR ELEVATIONS ENLARGED PARTIAL PLANS **DETAILS** 

2015 - THE INTERNATIONAL ENERGY CONSERVATION CODE (IECC), AS AMENDED BY THE MUBEC 2018 - NFPA 101 LIFE SAFETY CODE (AS ADOPTED BY THE STATE OF MAINE) AMERICANS WITH DISABILITIES ACT 2010 STANDARDS FOR ACCESSIBLE DESIGN

CHAPTER 3: FIRE PREVENTION CODE-AMENDED 11/27/19 CHAPTER 4: WATER-BASED FIRE PROTECTION SYSTEMS-AMENDED 6/4/16 CHAPTER 20: FIRE SAFETY IN BUILDINGS AND STRUCTURES - AMENDED STATE OF MAINE - ASBESTOS REMOVAL

2015 - INTERNATIONAL BUILDING CODE (IBC) AS AMENDED BY CHAPTER 3 OF THE MUBEC;

MAINE REVISED STATUTES TITLE 38, CHAPTER 12-A ASBESTOS 06-096 DEPT OF ENVIRONMENTAL PROTECTION, MAINE SOLID WASTE MANAGEMENT RULES, CHAPTER 425 CITY OF AUGUSTA: AUGUSTA CODE OF ORDINANCES-PART III GENERAL LEGISLATION

APPLICABLE CODES

2015 - INTERNATIONAL EXISTING BUILDING CODE (IEBC) AS AMENDED BY CHAPTER 4 OF THE MAINE UNIFORM

PROJECT DESCRIPTION

AROUND RESTROOMS. THE INTERIOR RENOVATION INCLUDES SPATIAL RECONFIGURATION.

THIS PROJECT CONSISTS OF:

BUILDING AND ENERGY CODE (MUBEC)

RULES OF THE STATE FIRE MARSHAL, SPECIFICALLY:

PROJECT AREA.

PROJECT DATA

OCCUPANCY CLASSIFICATION: NON-SEPARATED, MIXED OCCUPANCY

CHAPTER 134 BUILDING CONSTRUCTION, SECTION 134-1 ADOPTION OF LIFE SAFETY CODE

NFPA 101 BUSINESS BUSINESS GROUP B STORAGE STORAGE, GROUP S-1

SPECIAL PURPOSE INDUSTRIAL F-1 SPECIAL PURPOSE INDUSTRIAL

BUILDING CONSTRUCTION: IBC-TYPE IIB NFPA - TYPE II (200) FIRE PROTECTION: FULLY SPRINKLERED

FIRE RESISTANCE

BUILDING ELEMENT	REQUIRED (HR)	PROVIDED (HR)	
PRIMARY STRUCTURE	0	0	
BEARING WALLS - EXTERIOR	0	0	
INTERIOR	0	0	
NON-BEARING WALLS - EXTERIOR	0	0	
INTERIOR	0	0	
FLOOR CONSTRUCTION	0	0	
ROOF CONSTRUCTION	0	0	
CORRIDORS	0	0	
CORRIDORS - INTERIOR FINISHES	MINIMUM CLASS B		
OTHER - INTERIOR FINISHES	MINIMUM CLASS C		

**BUILDING HEIGHTS AND AREA** 

ALLOWABLE\*\* PROVIDED

18,500

5,068

8,352

5,080

18,500

PLUMBING SCHEDULES **MECHANICAL MECHANICAL LEGEND AND ABBEVIATIONS** MECHANICAL DEMOLITION PLAN MECHANICAL FLOOR PLAN - DUCTWORK **MECHANICAL FLOOR PLAN - PIPING** MECHANICAL PIPING DIAGRAMS **MECHANICAL DETAILS MECHANICAL DETAILS** MECHANICAL DETAILS MECHANICAL SCHEDULES MECHANICAL CONTROL LEGENDS MECHANICAL CONTROLS **MECHANICAL CONTROLS** ELECTRICAL **ELECTRICAL LEGEND AND ABBREVIATIONS ELECTRICAL NOTES ELECTRICAL SITE PLAN** ED-101 **ELECTRICAL DEMOLITION PLAN ELECTRICAL POWER PLAN ELECTRICAL LIGHTING PLAN** ELECTRICAL FIRE ALARM PLAN ELECTRICAL DIAGRAM AND SCHEDULES ELECTRICAL DIAGRAMS AND DETAILS ELECTRICAL FIRE ALARM DIAGRAM AND NOTES

HAZARDOUS MATERIALS

HAZARDOUS MATERIALS HAVE BEEN IDENTIFIED WITHIN THE WORK AREA, INCLUDING

ASBESTOS CONTAINING MATERIALS (ACM), LEAD-BASED PAINT/COATINGS (LBP), AND

(JUNE 20, 2024) INCLUDED IN THE SPECIFICATIONS. THE SCOPE OF WORK INCLUDES

WORK SHALL BE EXECUTED BY A MAINE LICENSED ABATEMENT CONTRACTOR.

POLYCHLORINATED BIPHENYLS (PCB). REFER TO THE LIMITED HAZARDOUS MATERIALS

ASSESSMENT (MAY 2, 2024) AND SUPPLEMENTAL HAZARDOUS MATERIALS ASSESSMENT

ABATEMENT AND DISPOSAL OF HAZARDOUS MATERIALS INDENTIFIED IN THESE REPORTS

A HAZARDOUS MATERIALS ABATEMENT PLAN SHALL BE PREPARED AND SUBMITTED BY A

MAINE LICENSED ABATEMENT DESIGNER IN ACCORDANCE WITH MAINE STATUTES AND

STATE OF MAINE DEPT OF AGRICULTURE. CONSERVATION AND FORESTRY 22 STATE HOUSE STATION AUGUSTA, MAINE 04333-0022 PARTITION INFORMATION PARTITION INFORMATION SIGNAGE DETAILS DOOR AND WINDOW INFORMATION **EXTERIOR DETAILS** DOOR DETAILS FINISH AND SIGNAGE PLAN FIRE PROTECTION LEGENDS & ABBREVIATIONS FIRE PROTECTION CONSTRUCTION PLAN FIRE PROTECTION DETAILS PLUMBING LEGEND AND ABBREVIATIONS **UNDERSLAB DEMOLITION PLAN DEMOLITION PLAN UNDERSLAB PIPING PLAN** PIPING PLAN **PLUMBING DETAILS** 

WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS. THESE DRAWING SHALL BE COPIED FROM THE ORIGINAL BLUEPRINTS AND ARE APPROXIMATELY TO SCALE. IT IS TH CONTRACTORS RESPONSIBILITY TO VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE PROJECT AND SHALL NOTIFY THE ENGINEER OF ANY VARIATIONS FROM THE DIMENSIONS AND CONDITIONS SHOWN ON THESE DRAWINGS.

A ISSUED FOR BID 01-10-2025

DATE NO. REVISION

ELIZABETH HUCKINS No. 4338

Architects/Engineers

WSP USA Buildings Inc

PORTLAND, ME 04101

(207) 775-5401

wsp.com

(207) 287-3200

2 MONUMENT SQUARE, SUITE 200

**PROJECT** 

CONY ROAD BUILDING RENOVATION

MAINE DEPARTMENT OF AGRICULTURE, CONSERVATION AND **FORESTRY** 

GENERAL INFORMATION

PROJECT NO.: 3529230024 DATE: 01-10-2025 G-001 DWN. BY: JLR CKD. BY: EAH SCALE: As indicated



#### **STRUCTURAL DESIGN CRITERIA:**

1. STRUCTURAL DESIGN AND CONSTRUCTION SHALL COMPLY WITH THE APPLICABLE REQUIREMENTS OF THE FOLLOWING BUILDING CODE(S): MUBEC/IBC 2015/ASCE 7-10.

1,500 LBS

1,500 LBS

20 PSF

1.0

1.0

49 PSF

**EXPOSURE C** 

+/- 0.18

- 2. BUILDING RISK CATEGORY: II
- 3. EQUIPMENT LOADS:
- a. ACCU: b. ERV 1: LIVE LOADS: a. ROOF:
- 5. SNOW LOADS: a. SURFACE ROUGHNESS CATEGORY:
- b. GROUND SNOW LOAD (Pg): c. SNOW EXPOSURE FACTOR (Ce): d. THERMAL FACTOR (Ct) e. SNOW IMPORTANCE FACTOR (Is):
- f. FLAT ROOF SNOW LOAD (Pf): 6. WIND LOADS:

c. WIND EXPOSURE

- a. BASIC WIND SPEED (V) 115 MPH PARTIALLY ENCLOSED b. BUILDING TYPE:
- d. INTERNAL PRESSURE COEFFICIENT
- 7. SEISMIC LOADS a. SHORT PERIOD SPECTRAL RESPONSE (Ss) 0.228g b. 1 SEC PERIOD SPECTRAL RESPONSE (S1) 0.078g
  - c. IMPORTANCE FACTOR (Ie) d. SITE CLASSIFICATION D (ASSUMED)
  - e. DESIGN SHORT PERIOD RESPONSE (Sds) 0.243g f. DESIGN 1 SEC PERIOD RESPONSE (Sd1) 0.125g g. SEISMIC DESIGN CATEGORY

### **STRUCTURAL GENERAL NOTES:**

- 1. STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH JOB SPECIFICATIONS AND ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING, AND SITE DRAWINGS. CONSULT THESE DRAWINGS FOR LOCATIONS AND DIMENSIONS OF OPENINGS, CHASES, INSERTS, REGLETS, SLEEVES, DEPRESSIONS, AND OTHER DETAILS NOT SHOWN ON STRUCTURAL
- THE CONTRACTORS SHALL VERIFY ALL DIMENSIONS AND CONDITIONS SHOWN ON THE DRAWINGS. IN ANY CASE OF CONFLICT BETWEEN THE NOTES, DRAWINGS, DETAILS AND SPECIFICATIONS. THE MOST RIGID (MOST COSTLY) REQUIREMENTS SHALL BE ASSUMED FOR BIDDING PURPOSES BUT ANY CONFLICTS MUST BE RESOLVED IN WRITING BY THE CONTRACTING OFFICER BEFORE THE WORK IS IMPLEMENTED.
- 3. THE CONTRACTORS SHALL VERIFY ALL RELEVANT EXISTING CONDITIONS PRIOR TO COMMENCING ANY OTHER WORK. ANY DISCREPANCIES BETWEEN THE NOTES, PLANS. DETAILS, SPECIFICATIONS AND EXISTING CONDITIONS SHALL BE IMMEDIATELY BROUGHT TO THE ENGINEER'S ATTENTION BEFORE PROCEEDING WITH THE AFFECTED PART OF THE
- 4. THE STRUCTURE IS DESIGNED TO BE SELF SUPPORTING AND STABLE ONLY AFTER THE STRUCTURAL WORK CONTAINED IN THE DRAWINGS IS COMPLETED. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE ERECTION PROCEDURES AND SEQUENCE TO ENSURE THE SAFETY OF THE BUILDING AND ITS COMPONENTS DURING ERECTION. THIS INCLUDES THE ADDITION OF NECESSARY SHORING, SHEETING, TEMPORARY BRACING, GUYS OR TIEDOWNS. SUCH MATERIAL SHALL REMAIN AT THE PROPERTY OF THE CONTRACTOR AFTER COMPLETION OF THE PROJECT.
- 5. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR JOB SAFETY, CONSTRUCTION PROCEDURES, COORDINATION OF THEIR WORK WITH OTHER TRADES AND ON-SITE
- 6. THE CONTRACTOR SHALL COORDINATE WORK WITH THE OWNER TO MINIMIZE DISRUPTION TO THE OWNER'S OPERATIONS.
- 7. THE CONTRACTOR SHALL CONTACT ALL INVOLVED UTILITY COMPANIES AND LOCATE ALL UNDERGROUND UTILITIES IN THE VICINITY OF THE WORK BEFORE PROCEEDING WITH ANY EXCAVATION WORK.
- 8. THE CONTRACTOR SHALL PROTECT EXISTING FACILITIES, STRUCTURES AND UTILITIES FROM
- 9. SHOP DRAWINGS FOR ALL MATERIALS ARE TO BE SUBMITTED AND REVIEWED PRIOR TO THE
- 10. THE CONTRACTOR SHALL MAKE NO DEVIATION FROM THE DOCUMENTS WITHOUT WRITTEN DIRECTION FROM THE CONTRACTING OFFICER.
- 11. THE OWNER SHALL HAVE FREE ACCESS TO ANY FABRICATION, ERECTION AND PAINTING WORK ON ANY COMPONENT OF THIS PROJECT WHICH THEY WISH TO INSPECT DURING AND/OR UPON COMPLETION OF SUCH WORK.

#### **CONCRETE NOTES:**

- CONCRETE WORK SHALL CONFORM TO "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI 318)." AND "SPECIFICATIONS FOR STRUCTURAL CONCRETE (ACI 301)." GENERAL CONTRACTOR, CONSTRUCTION MANAGER AND/OR OWNER'S CLERK OF THE WORKS SHALL HAVE AVAILABLE ON SITE AT ALL TIMES A COPY OF ACI "FIELD REFERENCE MANUAL SP-15".
- CONCRETE MUST COMPLY WITH THE REQUIREMENTS OF ASTM C94. AND AS SPECIFIED HEREIN. PROVIDE BATCH TICKET FOR EACH BATCH DISCHARGED AND USED IN WORK, INDICATING PROJECT NAME, MIX TYPE, MIX TIME, BATCH QUANTITY, AND PROPORTIONS
- PORTLAND CEMENT SHALL CONFORM TO ASTM C150 TYPE I OR II. BLENDED HYDRAULIC CEMENT SHALL CONFORM TO ASTM C595 TYPE IP OR IS. AGGREGATES SHALL CONFORM TO ASTM C33 CLASS 3S.
- 4. CONCRETE DURABILITY REQUIREMENTS ARE AS FOLLOWS: A. EXTERIOR CONCRETE;
  - **EXPOSURE CATEGORY AND CLASSES:** F3, S0, W1, C2. CONCRETE MINIMUM COMPRESSIVE STRENGTH: 5,000 PSI MAXIMUM WATER/CEMENT RATIO: 0.4 MAXIMUM AGGREGRATE SIZE: AIR CONTENT: 6% +/-1%
  - B. INTERIOR CONCRETE; **EXPOSURE CATEGORY AND CLASSES:** F0, S0, W0, C1. CONCRETE MINIMUM COMPRESSIVE STRENGTH: 3,000 PSI MAXIMUM WATER /CEMENT RATIO: 0.45 MAXIMUM AGGREGRATE SIZE: . 0.75" MAXIMUM AIR CONTENT:
- CONCRETE SHALL HAVE A SLUMP OF 4 INCHES, PLUS OR MINUS 1 INCH BEFORE ADDITION OF WATER REDUCING ADMIXTURE OR PLASTICIZER. MAXIMUM SLUMP AFTER ADDITION OF ADMIXTURE SHALL NOT EXCEED 8 INCHES.
- GROUT SHALL BE NON-METALLIC AND NONSHRINK CONFORMING TO ASTM C1107 AND SHALL HAVE A COMPRESSIVE STRENGTH AT 28 DAYS OF 5,000 PSI IN ACCORDANCE
- 6. SUBMIT CONCRETE MIX DESIGNS FOR REVIEW. NO CONCRETE SHALL BE PLACED
- WITHOUT THE DESIGN MIX BEING APPROVED BY THE CONTRACTING OFFICER. 7. ALL DETAILING, FABRICATION AND ERECTION OF REINFORCING BARS SHALL BE IN
- ACCORDANCE WITH THE "ACI DETAILING MANUAL" (ACI 315). 8. REINFORCING BARS SHALL BE DEFORMED AND PLAIN CARBON STEEL CONFORMING TO
- ASTM A615 GRADE 60. 9. COMPLETE SHOP DRAWINGS AND SCHEDULES OF ALL REINFORCING STEEL SHALL BE PREPARED BY THE CONTRACTOR AND SUBMITTED FOR REVIEW. PROVIDE NECESSARY ACCESSORIES TO HOLD REINFORCEMENT SECURELY IN POSITION.
- 10. MINIMUM CONCRETE PROTECTIVE COVERING FOR REINFORCEMENT SHALL BE AS FOLLOWS UNLESS NOTED OTHERWISE:
  - a. SURFACES CAST AGAINST AND PERMANENTLY IN CONTACT WITH EARTH: 3
  - b. FORMED SURFACES IN CONTACT WITH EARTH OR EXPOSED TO WEATHER: 2
  - c. SURFACES NOT IN CONTACT WITH EARTH OR EXPOSED TO WEATHER: 1.5
- 11. REINFORCEMENT SHALL BE CONTINUOUS AROUND CORNERS AND AT INTERSECTIONS. PROVIDE LAPPED BARS AT SPLICES OR HOOKED BARS AT DISCONTINUOUS ENDS. PROVIDE TENSION LAP SPLICES PER THE SCHEDULE FOR ALL REINFORCING UNLESS OTHERWISE SHOWN ON PLAN.
- 12. FOR ALL OPENINGS IN CONCRETE WALLS AND SLABS, PROVIDE SUPPLEMENTAL REINFORCING AROUND OPENING AS SHOWN ON THE CONTRACT DOCUMENTS.
- 13. THE CONTRACTOR SHALL TAKE EVERY PRECAUTION TO PROTECT FINISHED SURFACES. PROVIDE ADEQUATE PROTECTION AGAINST OVEREXPOSURE TO SUN, WIND, OR RAIN.
- 14. WATER SHALL NOT BE ADDED TO THE CONCRETE AT THE JOBSITE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE THE REQUIREMENTS OF THE CONCRETE SUPPLIER TO ENSURE PUMPABLE AND WORKABLE MIXES WITHOUT THE ADDITION OF WATER AT THE JOBSITE. THE USE OF CONCRETE ADDITIVES SHALL BE AT THE OPTION OF THE CONTRACTOR SUBJECT TO THE APPROVAL OF THE ENGINEER. ALL MANUFACTURER'S RECOMMENDATIONS FOR THE USE OF ADDITIVES SHALL BE FOLLOWED. THE USE OF CALCIUM CHLORIDE OR OTHER CHLORIDE BEARING SALTS ARE
- 15. PLACE CONCRETE IN A MANNER SO AS TO PREVENT SEGREGATION OF THE MIX. DELAY FLOATING AND TROWELING UNTIL THE CONCRETE HAS LOST SURFACE WATER SHEEN. FINISHING OF SLAB SURFACES SHALL COMPLY WITH ACI RECOMMENDATIONS ACI 302
- 16. CONCRETE SHALL NOT BE PLACED IN WATER. CONCRETE SHALL BE PLACED WITHOUT HORIZONTAL CONSTRUCTION JOINTS EXCEPT WHERE SHOWN OR NOTED. VERTICAL CONSTRUCTION JOINTS AND STOPS IN CONCRETE WORK SHALL BE MADE AT MIDSPAN OR AT POINTS OF MINIMUM SHEAR.
- 17. ALL ADJOINING SURFACES NOT CAST MONOLITHICALLY SHALL BE ROUGHENED TO 1/4 INCH AMPLITUDE FOR THE ENTIRE JOINED SURFACE PER ACI RECOMMENDATIONS.
- COAT SURFACES TO BE JOINED WITH APPROVED BONDING AGENT. 18. CHAMFER ALL EXPOSED CONCRETE EDGES 3/4 INCH (UNO).
- 19. PROVIDE PVC SLEEVES WHERE PIPES PASS THROUGH EXTERIOR CONCRETE, OR SLABS, UNLESS SHOWN OTHERWISE.
- 20. HOT WEATHER CONCRETING SHALL CONFORM TO ACI 305.
- 21. CONCRETE SHALL BE PLACED IN THE PRESENCE OF A REPRESENTATIVE OF AN APPROVED TESTING AGENCY CONTRACTED BY THE OWNER.
- 22. WELDING OF REINFORCEMENT SHALL NOT BE PERMITTED (UNO).
- 23. PROVIDE 7 DAY CURING IMMEDIATELY AFTER FINISHING USING APPROVED CURING
- 24. THE TOP OF ALL FOUNDATIONS SHALL BE TROWEL FINISHED AND SMOOTH.
- 25. REPAIR CONCRETE EXHIBITING VOIDS, SPALLS OR OTHERWISE DAMAGED SURFACE WITH DRY PACK OR CEMENT GROUT AND FINISH FLUSH. AT THE DISCRETION OF THE CONTRACTING OFFICER OR AS QUALIFIED BY TESTING. EXCESSIVE "HONEYCOMBS" THAT JEOPARDIZE THE DESIGN SHALL BE REMOVED AND REPLACED AT THE EXPENSE

#### **CONCRETE MASONRY NOTES:**

- 1. ALL MASONRY SHALL CONFORM TO TMS 402/60-16 BUILDING CODE REQUIREMENTS AND SPECIFICATIONS FOR MASONRY STRUCTURES.
- 2. CONCRETE MASONRY CONSTRUCTION MATERIALS SHALL CONFORM TO THE FOLLOWING (UNLESS NOTED OTHERWISE):
- a. CONCRETE MASONRY UNITS: ASTM C90, GRADE N, TYPE 1 b. DEFORMED REINFORCING BARS: ASTM A615, GRADE 60
- c. JOINT REINFORCEMENT: ASTM A82 d. MASONRY MORTAR ASTM: C270, TYPE N
- e. MASONRY GROUT: ASTM C476, TYPE 1 FINE GROUT f. REQUIRED DESIGN F'M: 2,000PSI
- g. AGGREGATE FOR MORTAR: ASTM C14 h. AGGREGATE FOR GROUT: ASTM C404
- 3. SUBMIT COMPLETE SHOP DRAWINGS FOR REVIEW PRIOR TO CONSTRUCTION. SHOP DRAWINGS SHALL INCLUDE: a. MASONRY UNITS: INDICATE SIZES, PROFILES, COURSING AND LOCATIONS OF
- SPECIAL SHAPES. b. REINFORCING STEEL: INDICATE BENDING, LAP LENGTHS, AND PLACEMENT OF UNIT MASONRY REINFORCING BARS. COMPLY WITH ACI 315R. INDICATE ELEVATIONS OF
- 4. SUBMIT MIX DESIGN FOR EACH TYPE OF MORTAR AND GROUT INCLUDE DESCRIPTION OF TYPE AND PROPORTIONS OF INGREDIENTS.
- 5. DO NOT USE ADMIXTURES, INCLUDING PIGMENTS, AIR-ENTRAINING AGENTS, ACCELERATORS, RETARDERS, WATER-REPELLENT AGENTS, ANTIFREEZE COMPOUNDS, OR OTHER ADMIXTURES UNLESS OTHERWISE INDICATED.
- 6. STORE MASONRY UNITS AND CEMENTITIOUS MATERIALS ON ELEVATED PLATFORMS, IN A DRY LOCATION. STORE MASONRY ACCESSORIES, INCLUDING METAL ITEMS, TO PREVENT CORROSION AND ACCUMULATION OF DIRT AND OIL.
- 7. CONDUCT PRE-INSTALLATION MEETING AT JOB SITE PRIOR TO PLACEMENT OF ANY MASONRY.
- 8. PREVENT GROUT, MORTAR AND SOIL FROM STAINING THE FACE OF MASONRY TO BE LEFT EXPOSED OR PAINTED. IMMEDIATELY REMOVE GROUT, MORTAR AND SOIL THAT COME IN CONTACT WITH SUCH MASONRY.
- 9. PROVIDE GALVANIZED LADDER-TYPE MASONRY REINFORCING IN THE FIRST TWO COURSES, AT EACH ALTERNATING COURSE ABOVE THE FIRST TWO COURSES, AND ABOVE ALL
- LINTELS. PROVIDE PREFABRICATED CORNERS AND TEES AS REQUIRED. 10. MASONRY WALLS SHALL BE OF SINGLE WYTHE CONSTRUCTION AND LAID IN RUNNING BOND
- (UNLESS NOTED OTHERWISE). TOOL ALL JOINTS CONCAVE. 11. GROUT SOLID ALL CELLS TO BE REINFORCED.
- 12. DO NOT VARY FROM DIMENSIONS SHOWN IN ELEVATION OR PLAN BY MORE THAN 1/2". FOR LINES AND SURFACES, DO NOT VARY FROM STRAIGHT BY MORE THAN 1/4" IN 10 FT, 3/8" IN 20FT OR 1/2" MAXIMUM.
- 13. LAYOUT WALLS IN ADVANCE FOR ACCURATE SPACING OF SURFACE BOND PATTERNS WITH UNIFORM JOINT THICKNESSES AND FOR ACCURATE LOCATION OF OPENINGS. MOVEMENT-TYPE JOINTS, RETURNS, AND OFFSETS. AVOID USING LESS-THAN-HALF SIZE UNITS.

PARTICULARLY AT CORNERS, JAMBS AND WHERE POSSIBLE, AT OTHER LOCATIONS.

- 14. FILL COURSE IN HOLLOW CMUS WITH GROUT 24 INCHES UNDER BEARING PLATES, BEAMS, LINTELS, POSTS, AND SIMILAR ITEMS UNLESS OTHERWISE INDICATED.
- 15. REINFORCE MASONRY ON EACH SIDE OF ALL OPENINGS WITH #5 VERTICAL. PROVIDE (2) #5 HORIZONTAL BARS ABOVE AND BELOW ALL MASONRY OPENINGS. EXTEND REINFORCEMENT A MINIMUM OF 2'-0" BEYOND OPENING IN EACH DIRECTION.
- 16. REINFORCE EACH CORNER, INTERSECTION AND END OF MASONRY WALL WITH #5 VERTICAL BAR FULL HEIGHT.
- 17. PROVIDE BOND BEAM AT ROOF WHICH TIES INTO THE VERTICAL REINFORCEMENT. ADDITIONALLY, PROVIDE BOND BEAMS AT HORIZONTAL INTERVALS NOT TO EXCEED EIGHTEEN (18) TIMES THE WALL THICKNESS. REINFORCE ALL BOND BEAMS WITH A MINIMUM OF TWO (2) CONTINUOUS #5 BAR.
- 18. PROVIDE CORNER AND END BLOCKS AT FINISH CORNERS AND WALL OPENINGS
- 19. MORTAR SHALL NOT BE USED WHERE GROUT IS SPECIFIED.

#### STRUCTURAL STANDARD ABBREVIATIONS:

<u> </u>	<u>,,,</u>	CICITAL CIANDAND	ADDILL		<u>110110.</u>
A		ADOVE ENIOUED ELOOD	NAAN		AAAN/IAAL IAA
A.F.F.A.		ABOVE FINISHED FLOOR	MAX.	=	MAXIMUM
AB		ANCHOR BOLT	M.C.	=	moment contraction
ADD'L	=	ADDITIONAL	MH	=	MANHOLE
ALUM.	=	ALUMINUM	MFR.		MANUFACTURE
A.R.	=	ANCHOR ROD	M.O.	=	MASONRY OPENING
APPROX.	=	APPROXIMATE	M.S.	=	MOMENT SPLICE
B.A.	=	BONDING AGENT	MIN.	=	MINIMUM
B.B.	=		MISC.	=	MISCELLANEOUS
B.C.	=	BOLT CIRCLE	(N)		NEW
BLDG.	=		NOM.		NOMINAL
B.L.	=		NS		NEAR SIDE
BM	=		NTS		NOT TO SCALE
B.O.	=	BOTTOM OF	N&F		NEAR & FAR
B.O. BOD	=		O.C.		ON CENTER
BOTT	=		O.F.S.		OUTSIDE FACE OF VENEER
BRG.	=	BEARING	O.D.		OUTSIDE DIAMETER
B.S.	=	BOTH SIDES	O.H.		OPPOSITE HAND
<b>⊈</b>	=	CENTERLINE	O.C.		ON CENTER
C.B.	=	CATCH BASIN	OPP.		OPPOSITE
C.C.	=	CENTER TO CENTER	OPNG.	=	OPENING
C.F.	=		ďΣ	=	PLATE
CLR.	=		PC	=	PIECE
CMU	=	CONCRETE MASONRY UNITS	PSF		POUNDS PER SQUARE FOOT
COL.		COLUMN	PSI		POUNDS PER SQUARE INCH
COL.	=		PT		PRESSURE TREATED
			PROJ		
CORR.	=	CORRUGATED			PROJECTION
CONC.	=	CONCRETE	PLCS		PLACES
C.J.	=		R	=	RISER
C.Y.	=		R.P.		REINFORCED CONCRETE PIEF
CTR	=	<b></b>	RAD.		RADIUS
D.B.	=	DIAGONAL BRACING	REF.		REFERENCE
$\emptyset$ , DIA.	=	DIAMETER	REINF		REINFORCING
DIAG	=	DIAGONAL	REV.		REVISION
DL	=	DEAD LOAD	REQ'D	=	REQUIRED
DIM.	=	DIMENSION	R.D.	=	ROOF DRAIN
DWG.	=		R.O.	=	ROUGH OPENING
EA	=	EACH	SIM.	=	SIMILAR
		EXISTING	SOG	=	SLAB ON GRADE
E.W.E.F.		EACH WAY EACH FACE	SP.	=	SPACES
E.F.		EACH FACE	SPEC.	=	SPECIFICATION
EL.		ELEVATION	SP		SPACE
EQ.	=		SQ.		SQUARE
EQUIP	=	EQUIPMENT	S.S.		STAINLESS STEEL
E.W.	=	EACH WAY	SSH		SHORT SLOTTED HOLE
			STD		STANDARD
EXT. EXP	=	EXTERIOR	STL.		STEEL
	=	EXPANSION VIELD CARDESS	STRUCT		STRUCTURAL
Fy	=	YIELD STRESS	STIFF		STIFFENER
FS	=	FAR SIDE			
FL	=	FLOOR	STD.		STANDARD
FLG	=	FLANGE	SYM.		SYMMETRY
FDN.	=	FOUNDATION	T		TORQUE
FIN. FLR.	=	FINISHED FLOOR	T.G.		THERMAL GROWTH
F.O.M.	=	FACE OF MASONRY	TH		THICK
F.O.	=	FRAMED OPENING	THRD		THREAD
FTG.	=	FOOTING	TR	=	TREAD
FT	=	FOOT	T.O.	=	TOP OF
GA	=	GAUGE	T.O.S.	=	TOP OF STEEL
GALV.	=	GALVANIZED	T.O.C.	=	TOP OF CONCRETE
GB	=	GRADE BEAM	T.O.G.		TOP OF GRATING
GR	=	GRADE	T&B		TOP & BOTTOM
GRTG.	=	GRATING	TYP.		TYPICAL
H	=	HORIZONTAL REACTION FORCE	U/S		UNDER SIDE
	=		U.N.O.		UNLESS NOTED OTHERWISE
HDG		HOT-DIPPED GALVANIZED	U.N.S.		UNLESS OTHERWISE SHOWN
H.R.	=	HANDRAIL	V.N.S.		VERTICAL REACTION FORCE
HP	=	HIGH POINT	v VERT.		VERTICAL REACTION FORCE  VERTICAL
HOR.	=	HORIZONTAL	VERT. V.B.		VERTICAL VERTICAL BRACING
IN IND/	=	INCHES	v.b. WF		WIDE FLANGE
INV.	=	INVERT	WF WP		WORK POINT
I.D.	=	INSIDE DIAMETER	W.S.		
I.P.	=	IN PLACE			WATERSTOP
K.B.	=	KNEE BRACE	WT W/		WEIGHT WITH

= WITH

= WITHOUT

WWF = WELDED WIRE FABRIC

### **DRAWING LEGEND:**

= LOW POINT

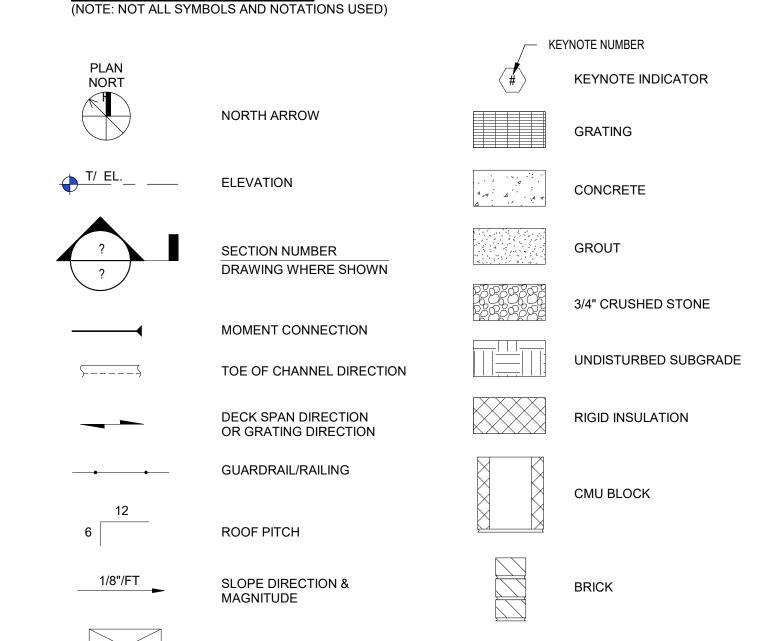
= LONG

= LONG LEG HORIZONTAL

= LONG LEG VERTICAL

= LONG SLOTTED HOLES

= LIVE LOAD





| Architects/Engineers:

STATE OF MAINE DEPT OF AGRICULTURE, CONSERVATION AND FORESTRY 22 STATE HOUSE STATION **AUGUSTA, MAINE 04333-0022** 



WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS. THESE DRAWING SHALL BE COPIED FROM THE ORIGINAL BLUEPRINTS AND ARE APPROXIMATELY TO SCALE. IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE PROJECT AND SHALL NOTIFY THE ENGINEER OF ANY VARIATIONS FROM THE DIMENSIONS AND CONDITIONS SHOWN ON THESE DRAWINGS.

A ISSUED FOR BID

Α	ISSUED FOR BID	01-10-2025
NO.	REVISION	DATE
The the transfer of the transf	Senase G. Adande Kinti  13615  10)AN2025  CENSE  ONAL ENGINEER	

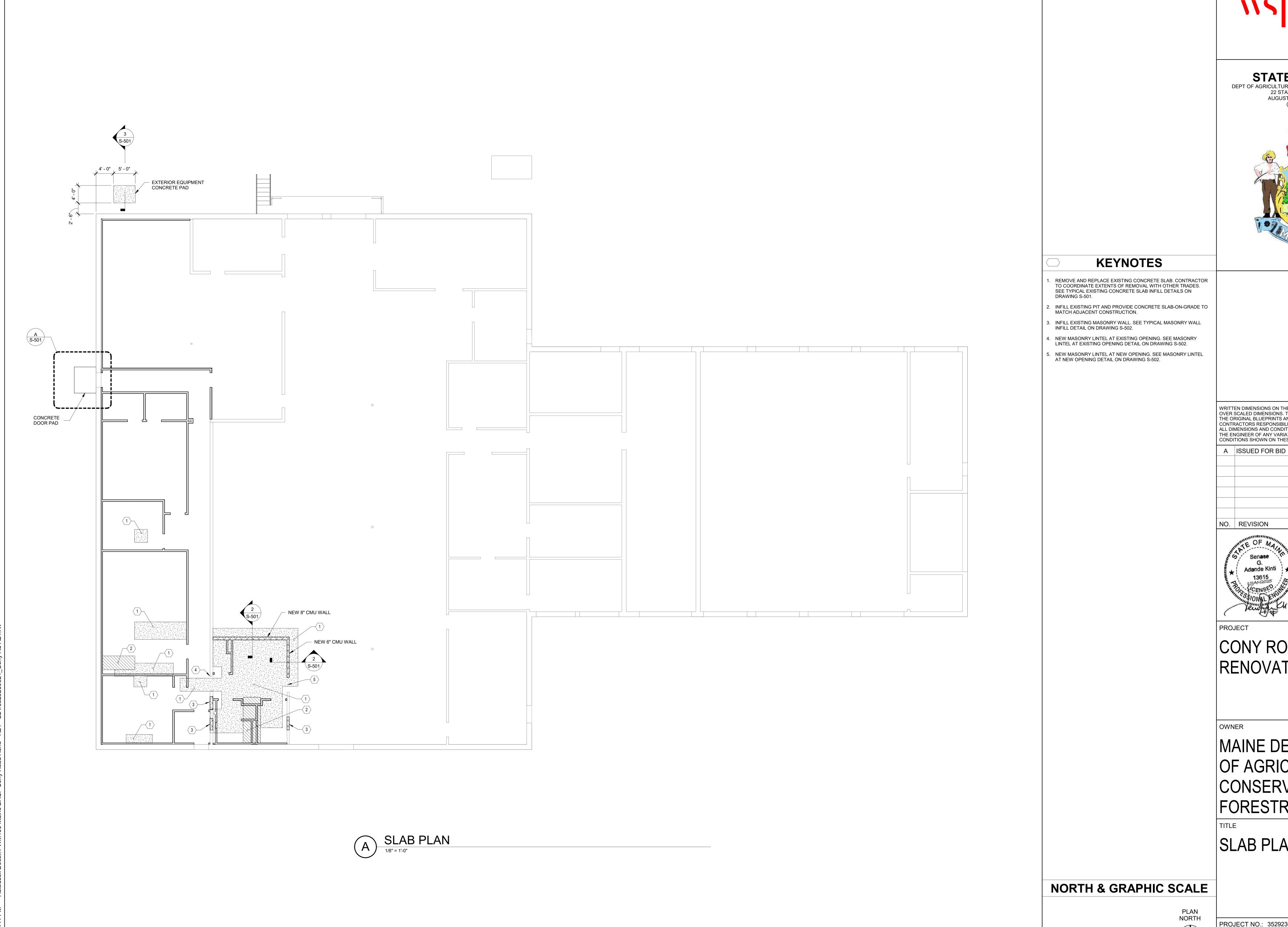
**PROJECT** 

CONY ROAD BUILDING RENOVATION

MAINE DEPARTMENT OF AGRICULTURE, CONSERVATION AND FORESTRY

STRUCTURAL GENERAL NOTES

PROJECT NO.: 3529230024 DATE: 01-10-2025 DWN. BY: DGP | CKD. BY: JAS



SEE S-001 STRUCTURAL DESIGN CRITERIA AND STRUCTURAL GENERAL NOTES.



Architects/Engineers:

STATE OF MAINE DEPT OF AGRICULTURE, CONSERVATION AND FORESTRY 22 STATE HOUSE STATION AUGUSTA, MAINE 04333-0022



WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS. THESE DRAWING SHALL BE COPIED FROM THE ORIGINAL BLUEPRINTS AND ARE APPROXIMATELY TO SCALE. IT IS THE ALL DIMENSIONS AND CONDITIONS ON THE PROJECT AND SHALL NOTIFY THE ENGINEER OF ANY VARIATIONS FROM THE DIMENSIONS AND CONDITIONS SHOWN ON THESE DRAWINGS.

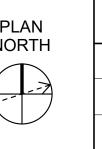
01-10-2025

NO.	REVISION	DATE
THE CO. *	Senase  G.  Adande Kinti  13615	

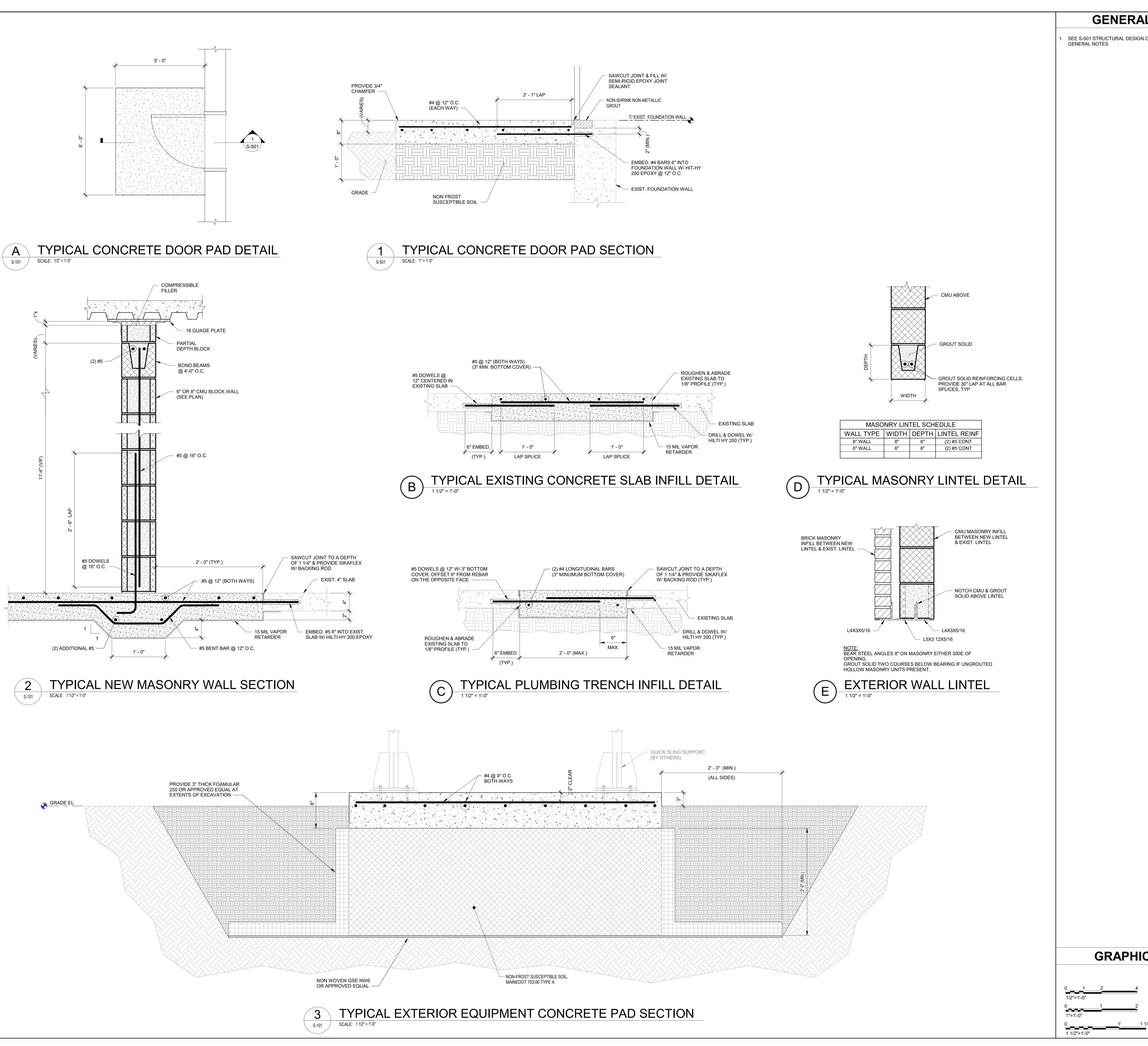
CONY ROAD BUILDING RENOVATION

MAINE DEPARTMENT OF AGRICULTURE, CONSERVATION AND FORESTRY

SLAB PLAN



PROJECT NO.: 3529230024 DATE: 01-10-2025 DWN. BY: DGP CKD. BY: JAS SCALE: As indicated

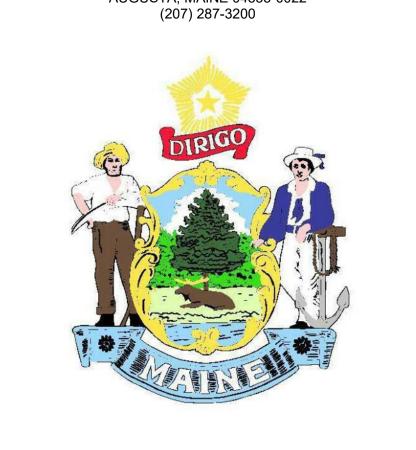


SEE S-001 STRUCTURAL DESIGN CRITERIA AND STRUCTURAL

2 MONUMENT SQUARE, SUITE 200 PORTLAND, ME 04101 (207) 775-5401 wsp.com

Architects/Engineers:

STATE OF MAINE 22 STATE HOUSE STATION AUGUSTA, MAINE 04333-0022



WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS. THESE DRAWING SHALL BE COPIED FROM THE ORIGINAL BLUEPRINTS AND ARE APPROXIMATELY TO SCALE. IT IS TH ALL DIMENSIONS AND CONDITIONS ON THE PROJECT AND SHALL NOTIFY THE ENGINEER OF ANY VARIATIONS FROM THE DIMENSIONS AND

A ISSUED FOR BID 01-10-2025 DATE NO. REVISION

PROJECT

CONY ROAD BUILDING RENOVATION

MAINE DEPARTMENT OF AGRICULTURE, CONSERVATION AND FORESTRY

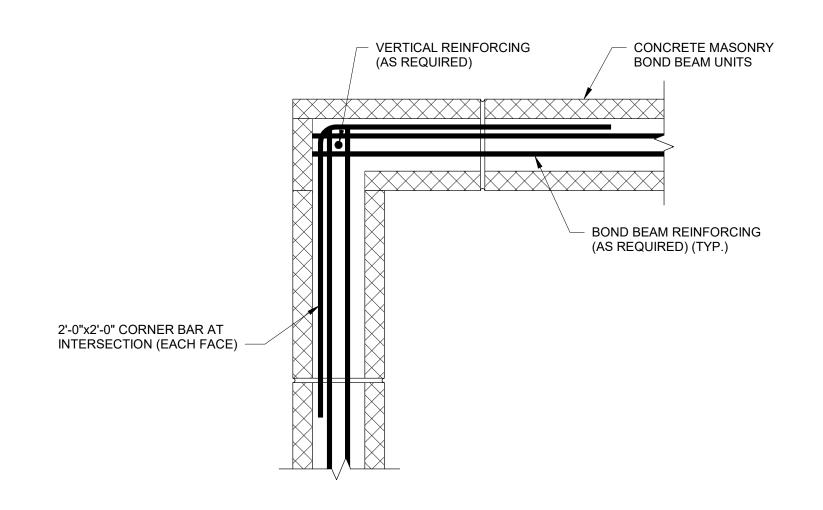
TYPICAL SECTIONS AND DETAILS

**GRAPHIC SCALE** 

PROJECT NO.: 3529230024 DATE: 01-10-2025 DWN. BY: DGP CKD. BY: JAS

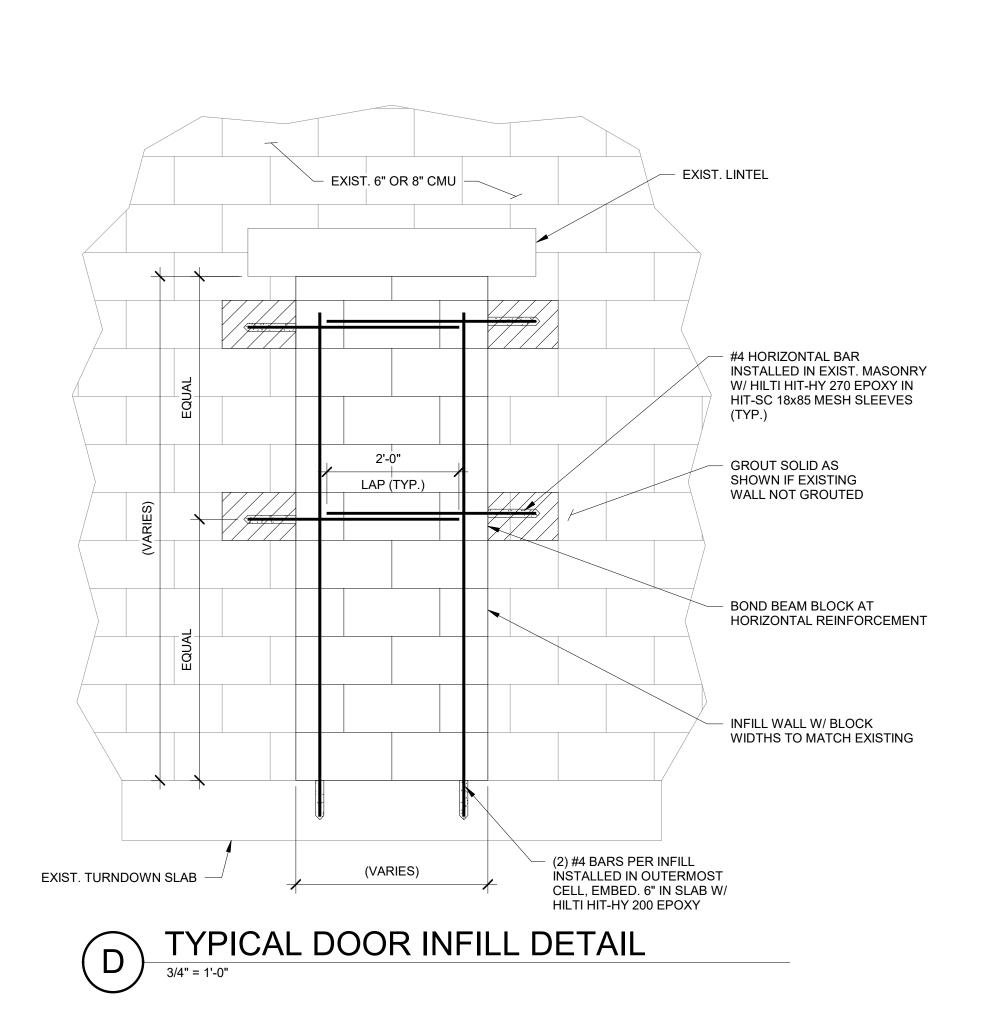
SCALE: As indicated

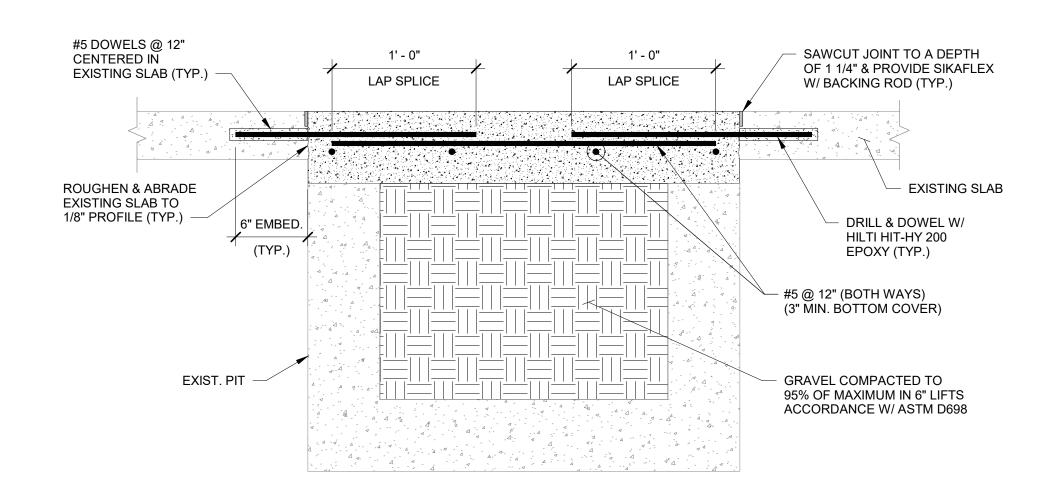
A TYPICAL WALL INTERSECTION DETAIL
3" = 1'-0"



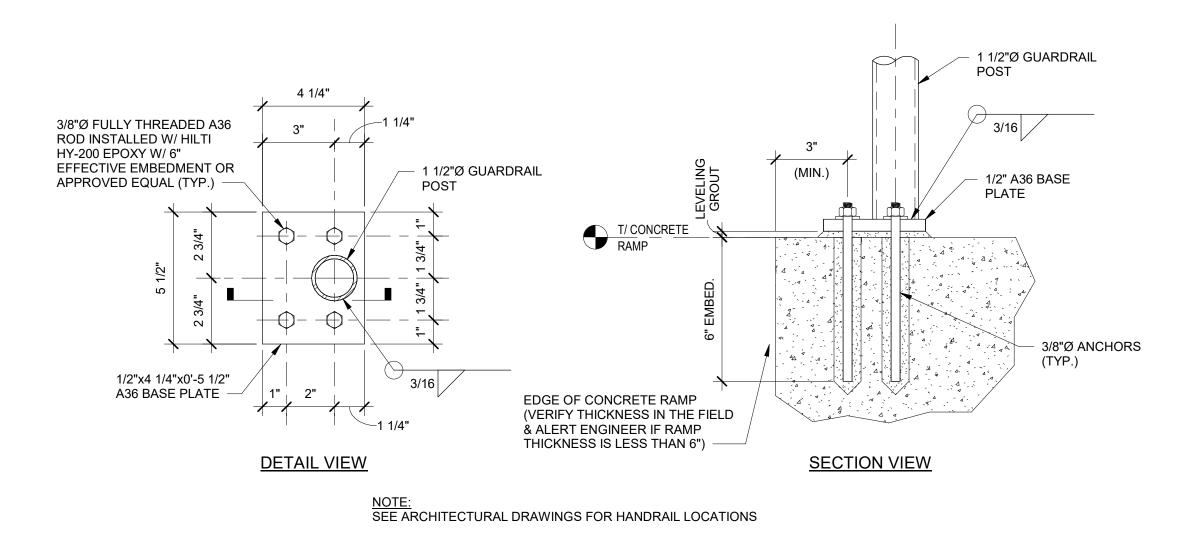
TYPICAL MASONRY WALL AT CORNER DETAIL

1 1/2" = 1'-0"

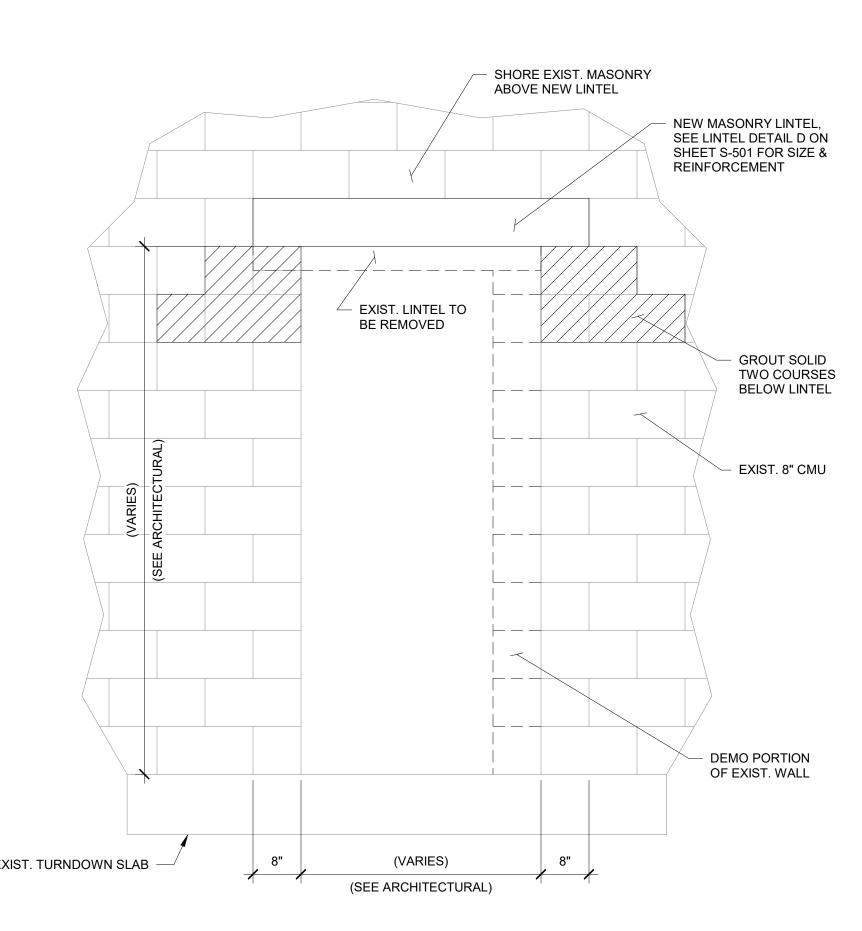




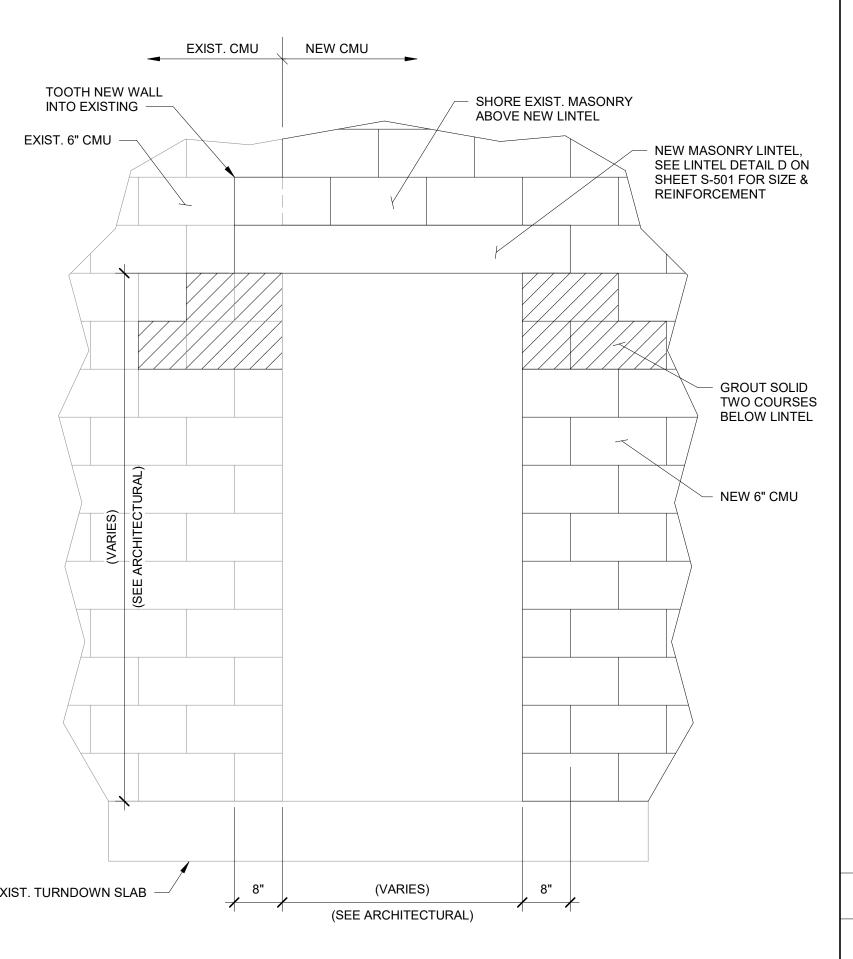
R TYPICAL PIT INFILL DETAIL



G TYPICAL EXTERIOR RAMP HANDRAIL MOUNTING DETAIL



(E) MASONRY LINTEL AT EXISTING OPENING



MASONRY LINTEL AT NEW OPENING

#### **GENERAL NOTES**

. SEE S-001 STRUCTURAL DESIGN CRITERIA AND STRUCTURAL GENERAL NOTES.



Architects/Engineers:

STATE OF MAINE

EPT OF AGRICULTURE, CONSERVATION AND FOREST
22 STATE HOUSE STATION
AUGUSTA, MAINE 04333-0022



WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS. THESE DRAWING SHALL BE COPIED FROM THE ORIGINAL BLUEPRINTS AND ARE APPROXIMATELY TO SCALE. IT IS THI CONTRACTORS RESPONSIBILITY TO VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE PROJECT AND SHALL NOTIFY THE ENGINEER OF ANY VARIATIONS FROM THE DIMENSIONS AND CONDITIONS SHOWN ON THESE DRAWINGS.

A ISSUED FOR BID 01-10-2025

NO. REVISION DATE

Senase
G.
Adande Kinti
13615

PRO JE

CONY ROAD BUILDING RENOVATION

OWNER

MAINE DEPARTMENT
OF AGRICULTURE,
CONSERVATION AND
FORESTRY

TITLE

TYPICAL SECTIONS AND DETAILS

**GRAPHIC SCALE** 

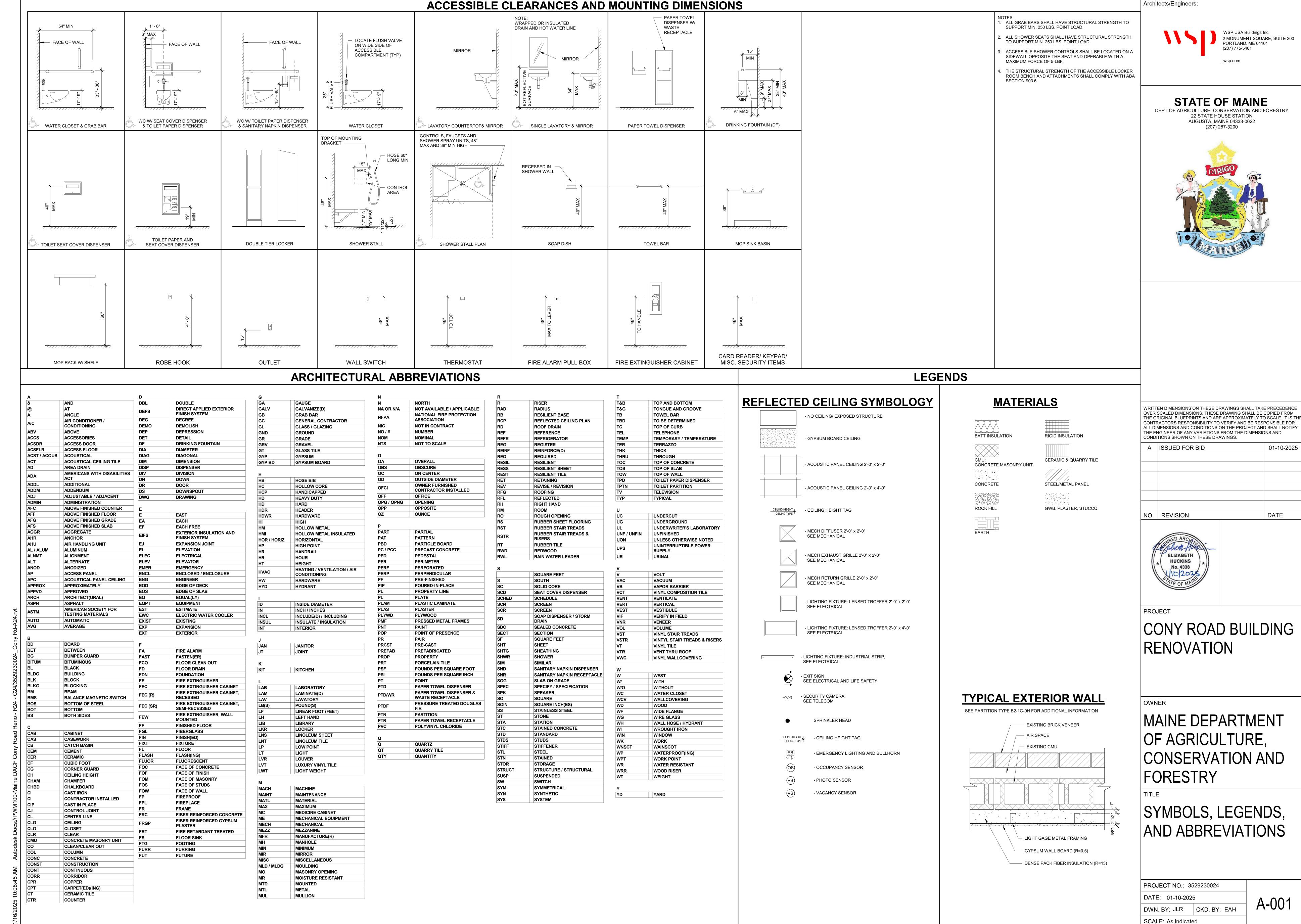
0 1 2 4
1/2"=1'-0"
0 1 2
1"=1'-0"
0 1' 1/2'

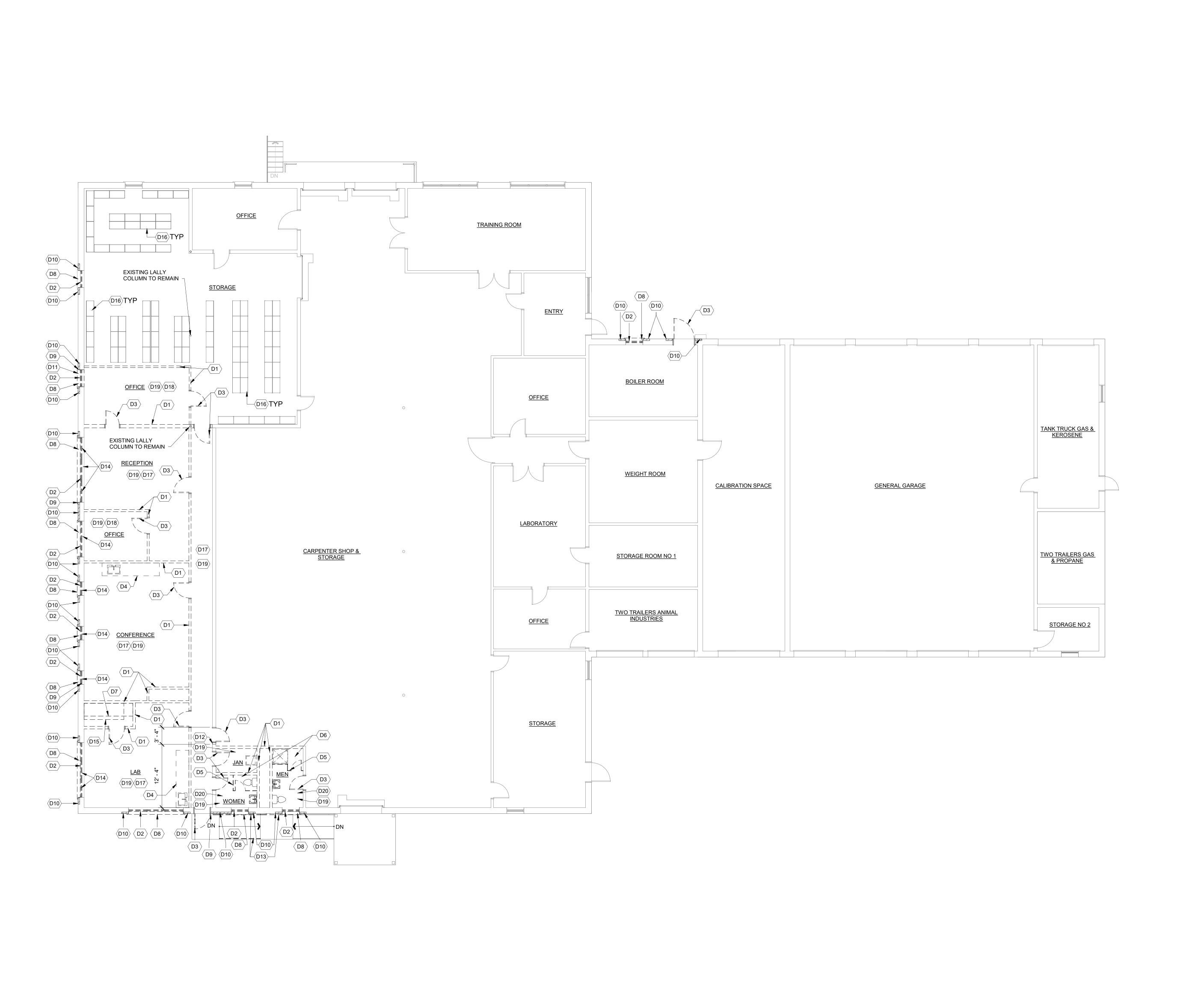
PROJECT NO.: 3529230024

DATE: 01-10-2025

DWN. BY: DGP CKD. BY: JAS

SCALE: As indicated





- 1. SEE G-001 AND A-001 FOR PROJECT GENERAL NOTES, SYMBOLS,
- ABBREVIATIONS AND LEGENDS.

  2. PROTECT EXISTING CONSTRUCTION TO REMAIN FROM DUST OR
- 3. REFERENCE ENGINEERING DRAWINGS FOR PLUMBING, MECHANICAL, ELECTRICAL AND FIRE PROTECTION COORDINATION
- AND FURTHER INFORMATION.

  1. COORDINATE WITH OWNER REGARDING LOCATION AND
- CONSTRUCTION.5. WHERE A PARTITION IS REMOVED IN ITS ENTIRETY, DEMOLITION

PROTECTION OF EXISTING FURNITURE, EQUIPMENT, AND SALVAGED MATERIALS TO REMAIN ON SITE FOR DURATION OF

- SHALL INCLUDE FIXTURES AND DEVICES MOUNTED ON THE PARTITION.
- 8. REMOVE WALL BASE WHERE FLOORING IS BEING REMOVED.

7. REMOVE SIGNAGE FROM EXISTING WALLS TO REMAIN.

- . HAZARDOUS MATERIALS HAVE BEEN IDENTIFIED WITHIN THE WORK AREA, INCLUDING ASBESTOS CONTAINING MATERIALS
- (ACM), LEAD-BASED PAINT/COATINGS (LBP), AND POLYCHLORINATED BIPHENYLS (PCB). REFER TO THE LIMITED HAZARDOUS MATERIALS ASSESSMENT (MAY 2, 2024) AND SUPPLEMENTAL HAZARDOUS MATERIALS ASSESSMENT (JUNE 20, 2024) INCLUDED IN THE SPECIFICATIONS. THE SCOPE OF WORK INCLUDES ABATEMENT AND DISPOSAL OF HAZARDOUS MATERIALS INDENTIFIED IN THESE REPORTS. A HAZARDOUS MATERIALS ABATEMENT PLAN SHALL BE PREPARED AND SUBMITTED BY A MAINE LICENSED ABATEMENT DESIGNER IN ACCORDANCE WITH MAINE STATUTES AND WORK SHALL BE EXECUTED BY A MAINE LICENSED ABATEMENT CONTRACTOR.
- 9. SEE PLUMBING DRAWINGS FOR EXTENT OF PLUMBING FIXTURE REMOVAL.

### **KEYNOTES**

- D1 REMOVE WALL FULL HEIGHT TO EXTENTS SHOWN
- D2 REMOVE WINDOW
- D3 REMOVE DOOR, FRAME AND HARDWARE. REMOVE THRESHOLD WHERE EXISTS
- D4 REMOVE CABINETS, COUNTERTOP AND SINK
- D5 REMOVE TOILET PARTITIOND6 REMOVE TOILET ACCESSORIES
- D7 REMOVE SHELVING
- D8 REMOVE CONCRETE SILL

  D9 REMOVE MASONRY CONTROL JOINT BACKERROD AND
- D10 REMOVE BRICK VENEER 12" (MIN) FROM OPENING, OR TO

NEAREST BRICK JOINT BEYOND 12", SEE ELEVATIONS FOR

OPENING DOWN TO FLOOR SLAB FOR INSTALLATION OF

- ADDITIONAL INFO REGARDING TOOTHING IN TO EXISTING BRICK VENEER

  D11 REMOVE BRICK VENEER AND CMU BACKUP BELOW WINDOW
- EXTERIOR DOOR ASSEMBLY
- D12 REMOVE PORTION OF WALL FOR DOOR INSTALLATION
- D14 REMOVE WINDOW BLINDS

D13 REMOVE STEEL RAILING

- D15 REMOVE METAL PIT COVER
- D16 COORDINATE WITH OWNER FOR REMOVAL OF EQUIPMENT STORED ON AND AROUND SHELVING. TEMPORARILY RELOCATE SHELVING TO OWNER DESIGNATED ON-SITE
- D17 REMOVE VINYL ASBESTOS TILE (VAT) FLOORING AND ASSOCIATED ADHESIVES DOWN TO SUBSTRATE
- D18 REMOVE CARPET, UNDERLYING VAT FLOORING AND ASSOCIATED ADHESIVES DOWN TO SUBSTRATE
- D19 REMOVE CEILING SYSTEM
- D20 REMOVE TILE FLOORING AND WAINSCOT

Architects/Engineers:



STATE OF MAINE
DEPT OF AGRICULTURE, CONSERVATION AND FORESTRY

22 STATE HOUSE STATION AUGUSTA, MAINE 04333-0022



WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS. THESE DRAWING SHALL BE COPIED FROM THE ORIGINAL BLUEPRINTS AND ARE APPROXIMATELY TO SCALE. IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE PROJECT AND SHALL NOTIFY THE ENGINEER OF ANY VARIATIONS FROM THE DIMENSIONS AND

A	ISSUED FOR BID	01-10-202
Ο.	REVISION	DATE
A	SEUSED ARCHI	



PROJECT

CONY ROAD BUILDING RENOVATION

OWNER

MAINE DEPARTMENT OF AGRICULTURE, CONSERVATION AND FORESTRY

ITLE

DEMOLITION PLAN

**NORTH & GRAPHIC SCALE** 



PROJECT NO.: 3529230024

DATE: 01-10-2025

DWN. BY: ANB CKD. BY: EAH

SCALE: As indicated

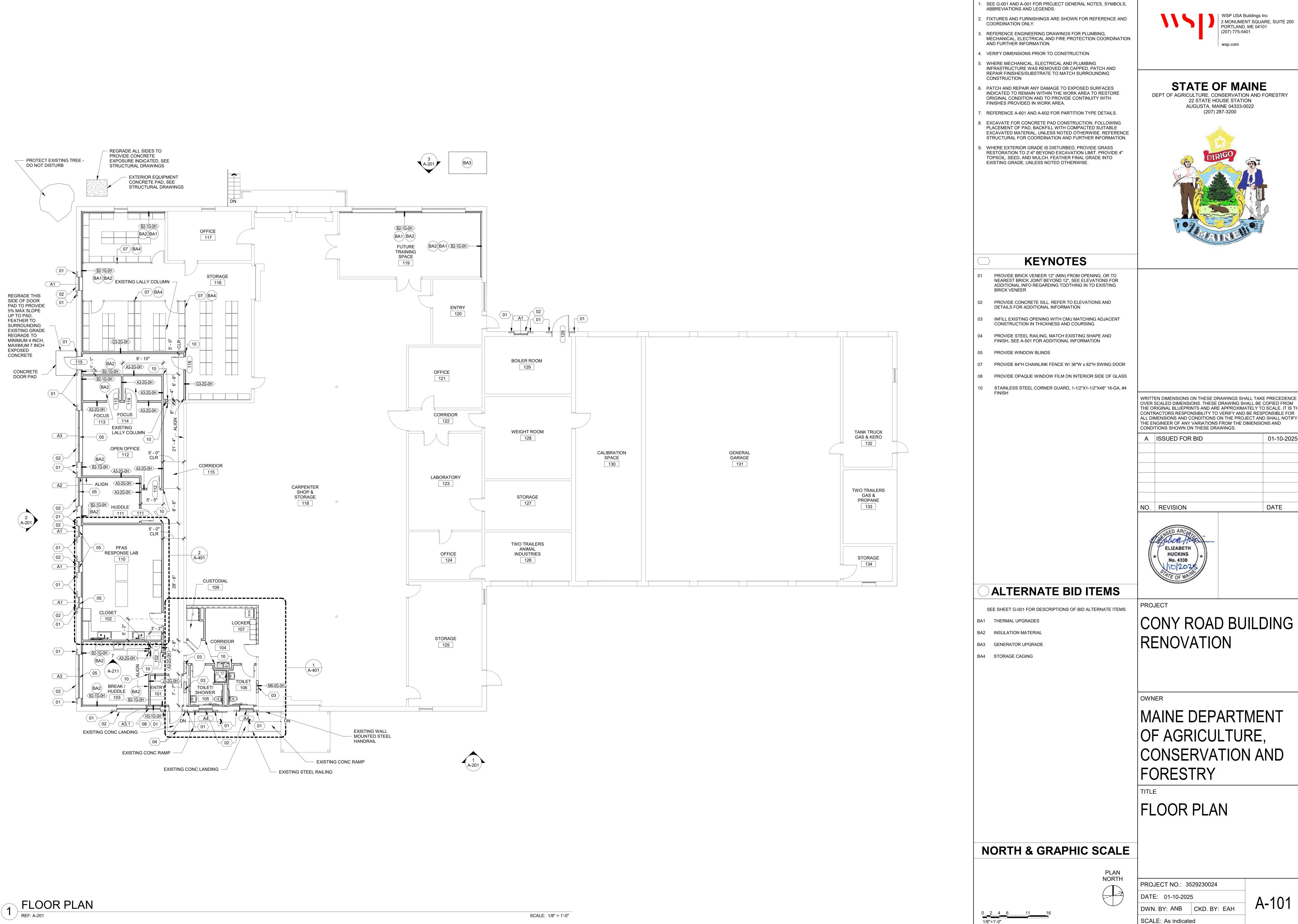
AD101

1 DEMOLITION PLAN

REF: A-201

-

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



Architects/Engineers:

**GENERAL NOTES** 

2 MONUMENT SQUARE, SUITE 200

OVER SCALED DIMENSIONS. THESE DRAWING SHALL BE COPIED FROM ALL DIMENSIONS AND CONDITIONS ON THE PROJECT AND SHALL NOTIFY

Α	ISSUED FOR BID	01-10-20
NO.	REVISION	DATE
	SED ARCHI	

A-101

- . SEE G-001 AND A-001 FOR GENERAL NOTES , SYMBOLS, ABBREVIATIONS, AND LEGENDS.
- REFERENCE ENGINEERING DRAWINGS FOR STRUCTURAL, PLUMBING, MECHANICAL, ELECTRICAL, AND FIRE PROTECTION FOR COORDINATION AND FURTHER INFORMATION.
- 3. CENTER NEW GRID IN SPACE UNLESS NOTED OTHERWISE.
- 4. CENTER NEW EQUIPMENT AND DEVICES IN CEILING TILE UNLESS NOTED OTHERWISE.
- 5. "OPEN" REFERS TO OPEN TO STRUCTURE ABOVE IN AREAS OPEN TO ABOVE OR WITH GYPSUM BOARD CEILING, CENTER LIGHT FIXTURES IN SPACE AND DISTRIBUTE EVENLY AS SHOWN UNLESS NOTED OTHERWISE.
- . COORDINATE WITH MECHANICAL, ELECTRICAL, AND PLUMBING REQUIREMENTS FOR LOCATIONS OF ACCESS PANELS. LOCATE EQUIPMENT REQUIRING ACCESS ABOVE SUSPENDED CEILING WHEN POSSIBLE. LOCATIONS SHALL BE REVIEWED AND APPROVED BY THE OWNER.



STATE OF MAINE DEPT OF AGRICULTURE, CONSERVATION AND FORESTRY 22 STATE HOUSE STATION



WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS. THESE DRAWING SHALL BE COPIED FROM ALL DIMENSIONS AND CONDITIONS ON THE PROJECT AND SHALL NOTIFY THE ENGINEER OF ANY VARIATIONS FROM THE DIMENSIONS AND

A ISSUED FOR BID 01-10-2025 DATE NO. REVISION



PROJECT

CONY ROAD BUILDING RENOVATION

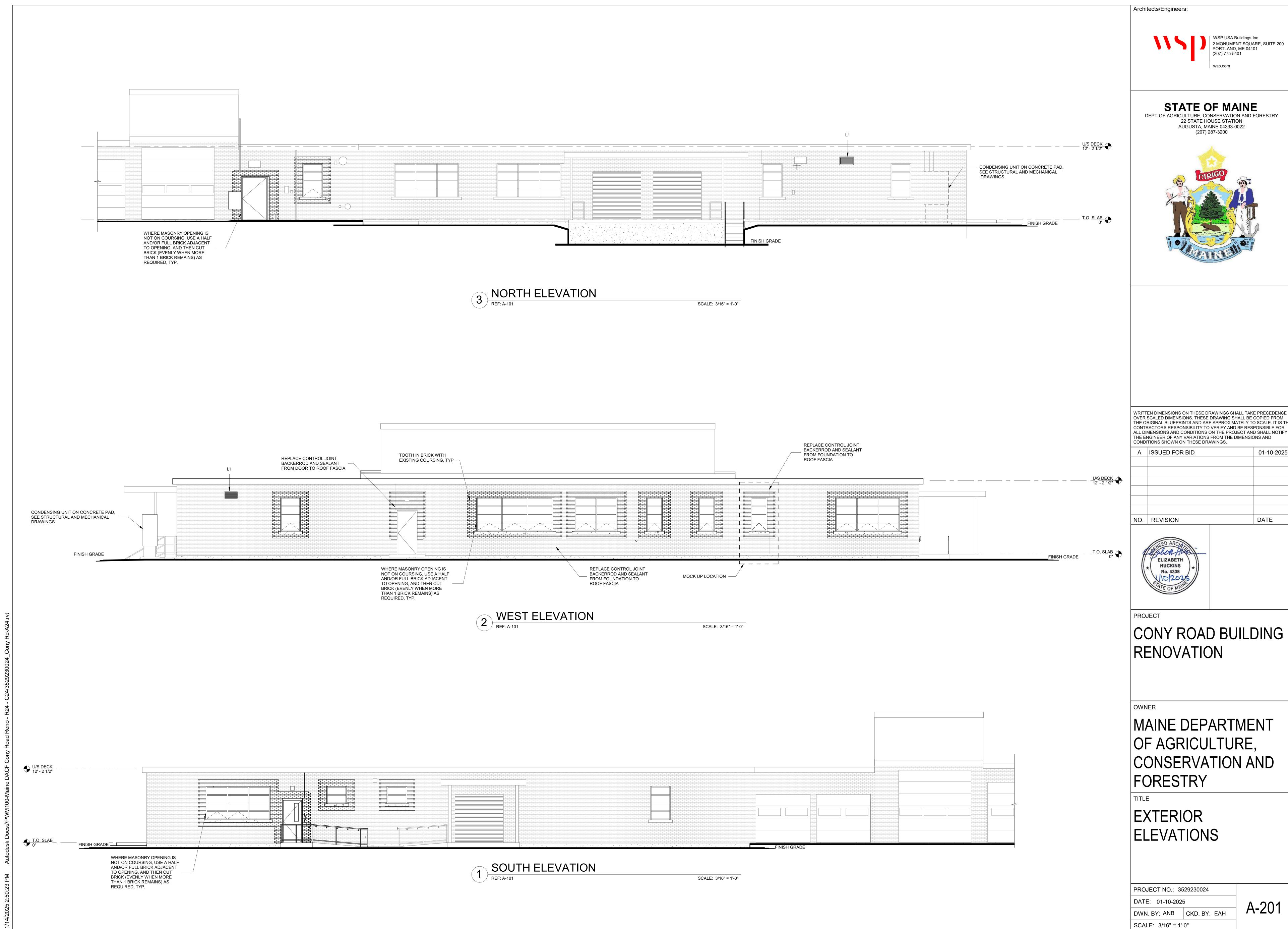
MAINE DEPARTMENT OF AGRICULTURE, CONSERVATION AND FORESTRY

REFLECTED CEILING PLAN

### **NORTH & GRAPHIC SCALE**

PLAN NORTH

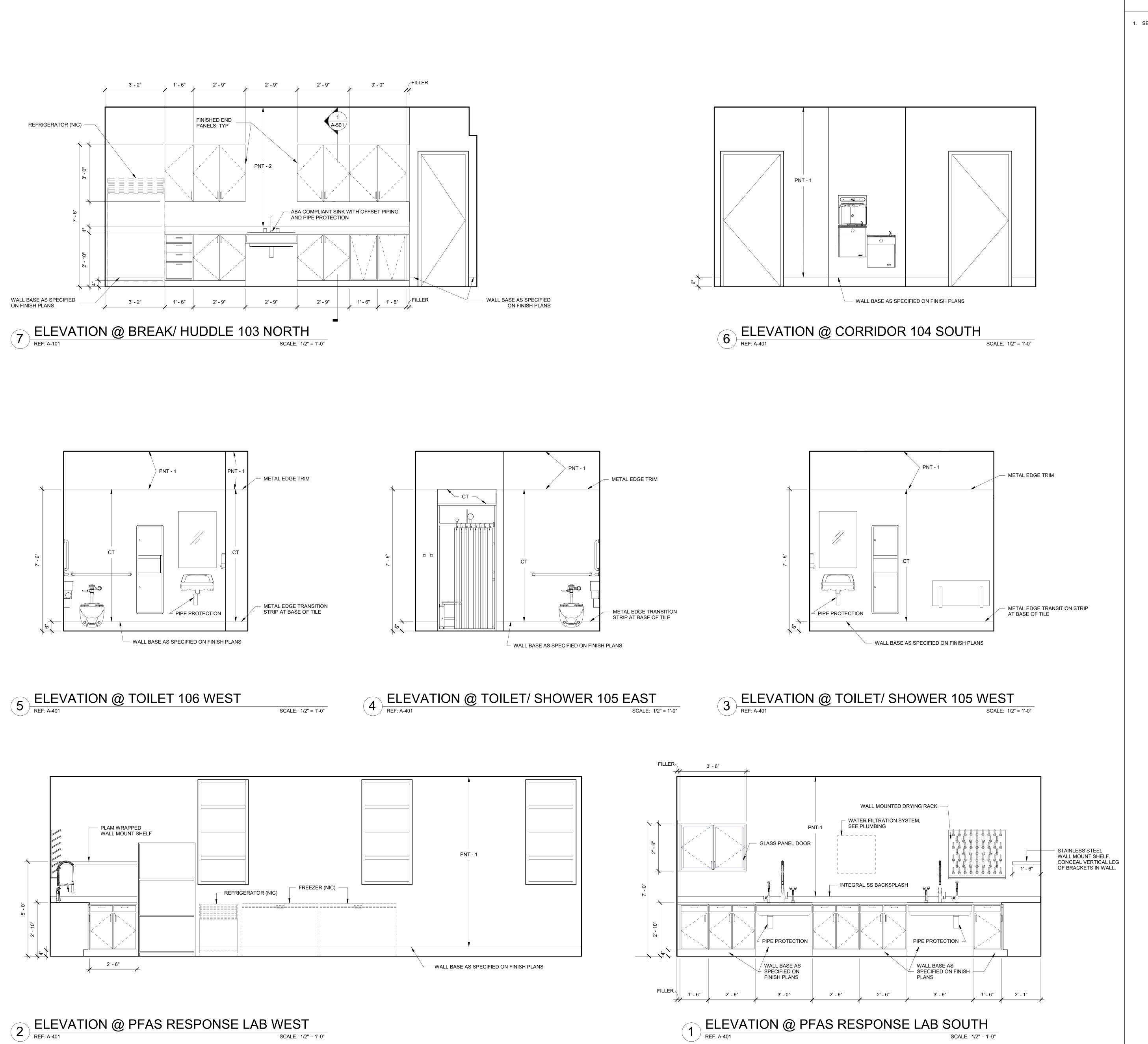
PROJECT NO.: 3529230024 DATE: 01-10-2025 A-121 DWN. BY: ANB CKD. BY: EAH SCALE: As indicated



2 MONUMENT SQUARE, SUITE 200

WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS. THESE DRAWING SHALL BE COPIED FROM THE ORIGINAL BLUEPRINTS AND ARE APPROXIMATELY TO SCALE. IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE PROJECT AND SHALL NOTIFY

	Α	ISSUED FOR BID	01-10-2025
	NO.	REVISION	DATE
1			



1. SEE SHEET A-701 FOR FINISH DESIGNATIONS

2 MONUMENT SQUARE, SUITE 200 PORTLAND, ME 04101

Architects/Engineers:

STATE OF MAINE 22 STATE HOUSE STATION AUGUSTA, MAINE 04333-0022 (207) 287-3200



WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS. THESE DRAWING SHALL BE COPIED FROM ALL DIMENSIONS AND CONDITIONS ON THE PROJECT AND SHALL NOTIFY THE ENGINEER OF ANY VARIATIONS FROM THE DIMENSIONS AND

A ISSUED FOR BID 01-10-2025 DATE NO. REVISION

No. 4338

PROJECT

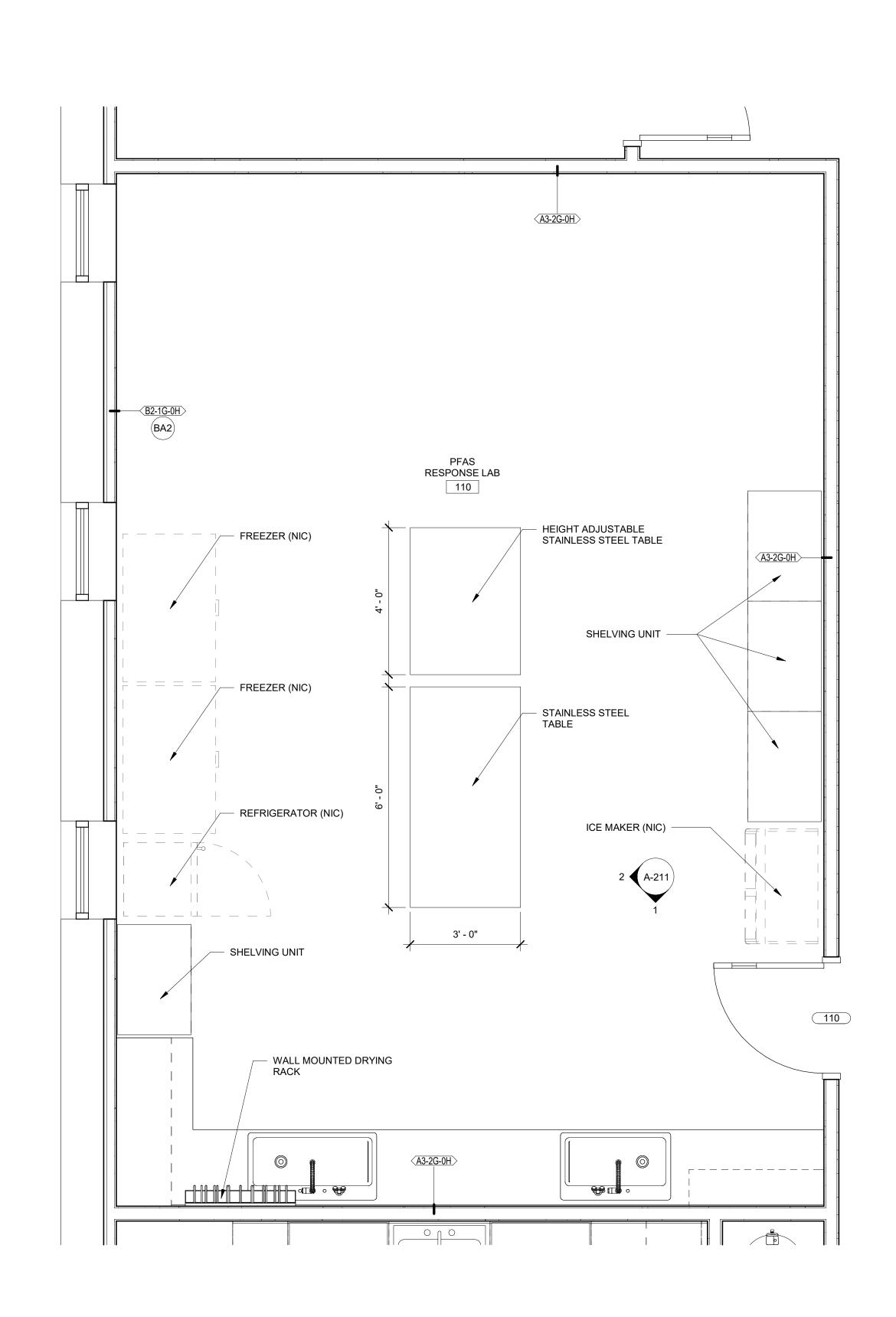
CONY ROAD BUILDING RENOVATION

MAINE DEPARTMENT OF AGRICULTURE, CONSERVATION AND FORESTRY

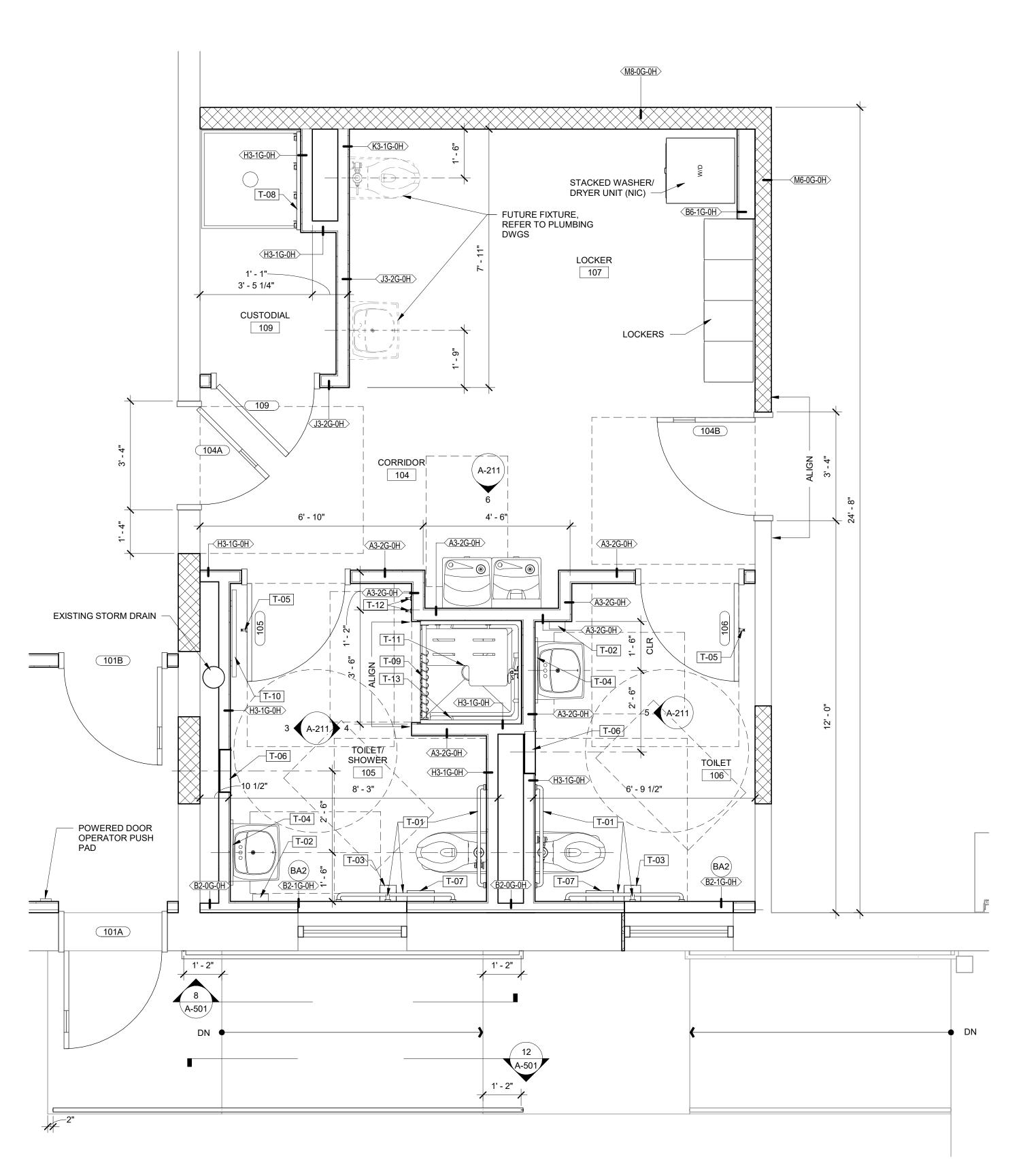
INTERIOR ELEVATIONS

PROJECT NO.: 3529230024 SCALE: As indicated

DATE: 01-10-2025 A-211 DWN. BY: ANB CKD. BY: EAH



2 ENLARGED PFAS RESPONSE LAB PLAN
REF: A-101 SCALE: 1/2" = 1'-0"

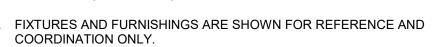


1 ENLARGED TOILET ROOM PLAN
REF: A-101

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

**GENERAL NOTES** 

SEE G-001 AND A-001 FOR PROJECT GENERAL NOTES, SYMBOLS, ABBREVIATIONS AND LEGENDS.



REFERENCE ENGINEERING DRAWINGS FOR PLUMBING, MECHANICAL, ELECTRICAL AND FIRE PROTECTION COORDINATION AND FURTHER INFORMATION.

4. VERIFY DIMENSIONS PRIOR TO CONSTRUCTION

- WHERE MECHANICAL, ELECTRICAL AND PLUMBING INFRASTRUCTURE WAS REMOVED OR CAPPED. PATCH AND REPAIR FINISHES/SUBSTRATE TO MATCH SURROUNDING CONSTRUCTION
- PATCH AND REPAIR ANY DAMAGE TO EXPOSED SURFACES INDICATED TO REMAIN WITHIN THE WORK AREA TO RESTORE ORIGINAL CONDITION AND TO PROVIDE CONTINUITY WITH FINISHES PROVIDED IN WORK AREA.
- REFERENCE A-601 AND A-602 FOR PARTITION TYPE DETAILS.
- . LAB SHELVING BASIS OF DESIGN ULINE BOLTLESS SHELVING H-7115 OR EQUAL, 36"W X 18"D X 72"H, 400 LBS MIN SHELF CAPACITY WITH 14-GA POWDER-COATED STEEL FRAME AND FIVE 5/8" PARTICLE BOARD SHELVES
- . LOCKERS BASIS OF DESIGN ASI STORAGE SOLUTIONS TRADITIONAL KNOCKED-DOWN METAL LOCKERS, SINGLE TIER WITH LEGS, 15"W X 18"D X 78"H, 16-GA POWDER-COATED STEEL.
- 10. FOR ALL PRODUCTS, INCLUDING BASIS OF DESIGN, SUBMIT PRODUCT DATA AND COLOR SAMPLES FOR INITIAL SELECTION AND VERIFICATION.

Architects/Engineers:



STATE OF MAINE DEPT OF AGRICULTURE, CONSERVATION AND FORESTRY 22 STATE HOUSE STATION AUGUSTA, MAINE 04333-0022



LEGENDS			
<u>MARKS</u>	DESCRIPTION		
T-01	TOILET GRAB BAR	SURFACE MOUNTED	
T-02	SOAP DISPENSER	SURFACE MOUNTED	
T-03	TOILET TISSUE DISPENSER	SURFACE MOUNTED	
T-04	MIRROR - 24"W x 36"H	SURFACE MOUNTED	
T-05	COAT HOOK	SURFACE MOUNTED	
T-06	PAPER TOWEL DISPENSER/WASTE	RECESSED	
T-07	SANITARY PRODUCT DISPOSAL	SURFACE MOUNTED	
T-08	MOP RACK AND BROOM HOLDER	SURFACE MOUNTED	
T-09	SHOWER CURTAIN & ROD	SURFACE MOUNTED	
T-10	ADA 16"W X 32"L FOLDING BENCH	WALL MOUNTED	
T-11	FOLDABLE SHOWER SEAT	WALL MOUNTED	
T-12	ROBE HOOK	SURFACE MOUNTED	
T-13	SHOWER GRAB BAR	SURFACE MOUNTED	

WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS. THESE DRAWING SHALL BE COPIED FROM THE ORIGINAL BLUEPRINTS AND ARE APPROXIMATELY TO SCALE. IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE PROJECT AND SHALL NOTIFY

THE ENGINEER OF ANY VARIATIONS FROM THE DIMENSIONS AND CONDITIONS SHOWN ON THESE DRAWINGS.			
Α	ISSUED FOR BID	01-10-2025	

DATE NO. REVISION



PROJECT

CONY ROAD BUILDING RENOVATION

MAINE DEPARTMENT OF AGRICULTURE, CONSERVATION AND FORESTRY

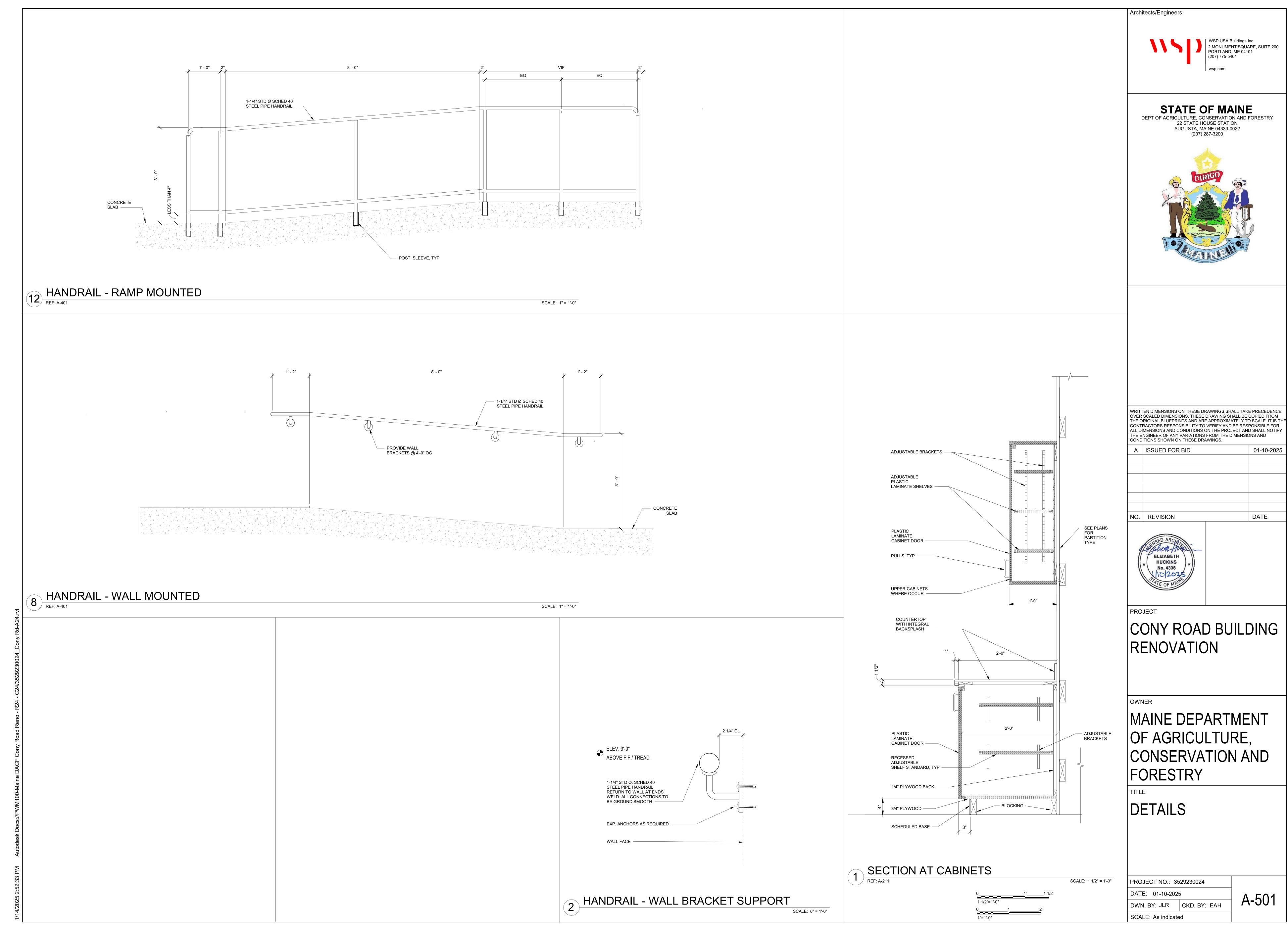
ENLARGED PARTIAL PLANS

**NORTH & GRAPHIC SCALE** 



PROJECT NO.: 3529230024 DATE: 01-10-2025 DWN. BY: JLR CKD. BY: EAH SCALE: As indicated

A-401



REFER TO PARTITION TYPE DIAGRAMS, REFERENCED BY THE "PARTITION TYPE CHARACTER", INDICATING THE COMPONENTS AND ASSEMBLY OF EACH PARTITION.

- REFER TO PROJECT SPECIFICATIONS FOR VERTICAL PARTITION SPAN CRITERIA AND METAL STUD GAGES.
- 3. ALL GYPSUM BOARD IS 5/8" THICK, U.N.O.
- 4. ALL METAL STUDS ARE 20 GAGE AND 16" O.C., U.N.O.
- ALL FIRE RATED PARTITIONS MUST CONFORM TO THE MINIMUM REQUIREMENTS OF THE LISTED TESTED ASSEMBLY UNLESS MORE STRINGENT REQUIREMENTS ARE DESIGNATED BY DETAIL.
- ALL ACOUSTICAL STC RATED PARTITION CONSTRUCTION EXTENDING TO THE BOTTOM OF STRUCTURE SHALL HAVE ALL PENETRATIONS AND INTERSECTIONS SEALED AIR TIGHT WITH ACOUSTICAL SEALANT.
- FIRE RATED SEALANT SHALL BE USED AT FIRE RATED PARTITIONS. ALL RECESSED BOXES SHALL BE SEALED AND RUNNERS SHALL BE SET IN 2 BEADS OF SEALANT.
- AT SHOWERS AND VERTICAL SURFACES TO RECEIVE TILE FINISH, PROVIDE 1 LAYER CEMENT BACKER BD IN PLACE OF THE OUTSIDE LAYER OF GWB ON THE SCHEDULED PARTITION. MOUNT ON EACH FACE INDICATED WITH CERAMIC TILE FINISH.

9. COORDINATE PARTITION CONSTRUCTION WITH FINISH PLANS.

- 10. PROVIDE METAL BACKING PLATES FOR ALL WALL MOUNTED CONSTRUCTION.
- 1. SEE TYPICAL TERMINATION DETAILS AT BOTTOM OF STRUCTURE FOR FIRE RATED AND ACOUSTICALLY RATED CONSTRUCTION.



| Architects/Engineers:

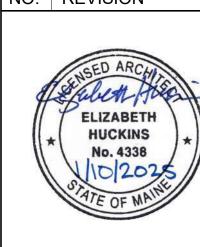
STATE OF MAINE DEPT OF AGRICULTURE, CONSERVATION AND FORESTRY 22 STATE HOUSE STATION

AUGUSTA, MAINE 04333-0022



WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS. THESE DRAWING SHALL BE COPIED FROM THE ORIGINAL BLUEPRINTS AND ARE APPROXIMATELY TO SCALE. IT IS TH CONTRACTORS RESPONSIBILITY TO VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE PROJECT AND SHALL NOTIFY THE ENGINEER OF ANY VARIATIONS FROM THE DIMENSIONS AND CONDITIONS SHOWN ON THESE DRAWINGS.

Α	ISSUED FOR BID	01-10-202
NO.	REVISION	DATE



CONY ROAD BUILDING RENOVATION

MAINE DEPARTMENT OF AGRICULTURE, CONSERVATION AND FORESTRY

PARTITION INFORMATION

**GRAPHIC SCALE** 

PROJECT NO.: 3529230024 DATE: 01-10-2025 DWN. BY: JLR | CKD. BY: EAH

A-601 SCALE: As indicated

- REFER TO PARTITION TYPE DIAGRAMS, REFERENCED BY THE "PARTITION TYPE CHARACTER", INDICATING THE COMPONENTS AND ASSEMBLY OF EACH PARTITION.
- REFER TO PROJECT SPECIFICATIONS FOR VERTICAL PARTITION SPAN CRITERIA AND METAL STUD GAGES.
- 3. ALL GYPSUM BOARD IS 5/8" THICK, U.N.O.
- 4. ALL METAL STUDS ARE 20 GAGE AND 16" O.C., U.N.O.

ACOUSTICAL SEALANT.

CONSTRUCTION.

- ALL FIRE RATED PARTITIONS MUST CONFORM TO THE MINIMUM REQUIREMENTS OF THE LISTED TESTED ASSEMBLY UNLESS MORE STRINGENT REQUIREMENTS ARE DESIGNATED BY DETAIL.
- ALL ACOUSTICAL STC RATED PARTITION CONSTRUCTION EXTENDING TO THE BOTTOM OF STRUCTURE SHALL HAVE ALL PENETRATIONS AND INTERSECTIONS SEALED AIR TIGHT WITH
- FIRE RATED SEALANT SHALL BE USED AT FIRE RATED PARTITIONS. ALL RECESSED BOXES SHALL BE SEALED AND RUNNERS SHALL BE SET IN 2 BEADS OF SEALANT.
- AT SHOWERS AND VERTICAL SURFACES TO RECEIVE TILE FINISH, PROVIDE 1 LAYER CEMENT BACKER BD IN PLACE OF THE OUTSIDE LAYER OF GWB ON THE SCHEDULED PARTITION. MOUNT ON EACH FACE INDICATED WITH CERAMIC TILE FINISH.
- 9. COORDINATE PARTITION CONSTRUCTION WITH FINISH PLANS. 10. PROVIDE METAL BACKING PLATES FOR ALL WALL MOUNTED
- 11. SEE TYPICAL TERMINATION DETAILS AT BOTTOM OF STRUCTURE FOR FIRE RATED AND ACOUSTICALLY RATED CONSTRUCTION.

Architects/Engineers:



STATE OF MAINE DEPT OF AGRICULTURE, CONSERVATION AND FORESTRY

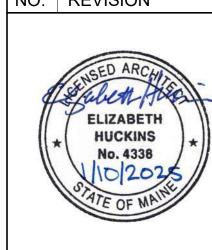
22 STATE HOUSE STATION

AUGUSTA, MAINE 04333-0022

(207) 287-3200

WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS. THESE DRAWING SHALL BE COPIED FROM THE ORIGINAL BLUEPRINTS AND ARE APPROXIMATELY TO SCALE. IT IS TH ALL DIMENSIONS AND CONDITIONS ON THE PROJECT AND SHALL NOTIFY THE ENGINEER OF ANY VARIATIONS FROM THE DIMENSIONS AND CONDITIONS SHOWN ON THESE DRAWINGS.

Α	ISSUED FOR BID	01-10-202
NO.	REVISION	DATE
		_



CONY ROAD BUILDING RENOVATION

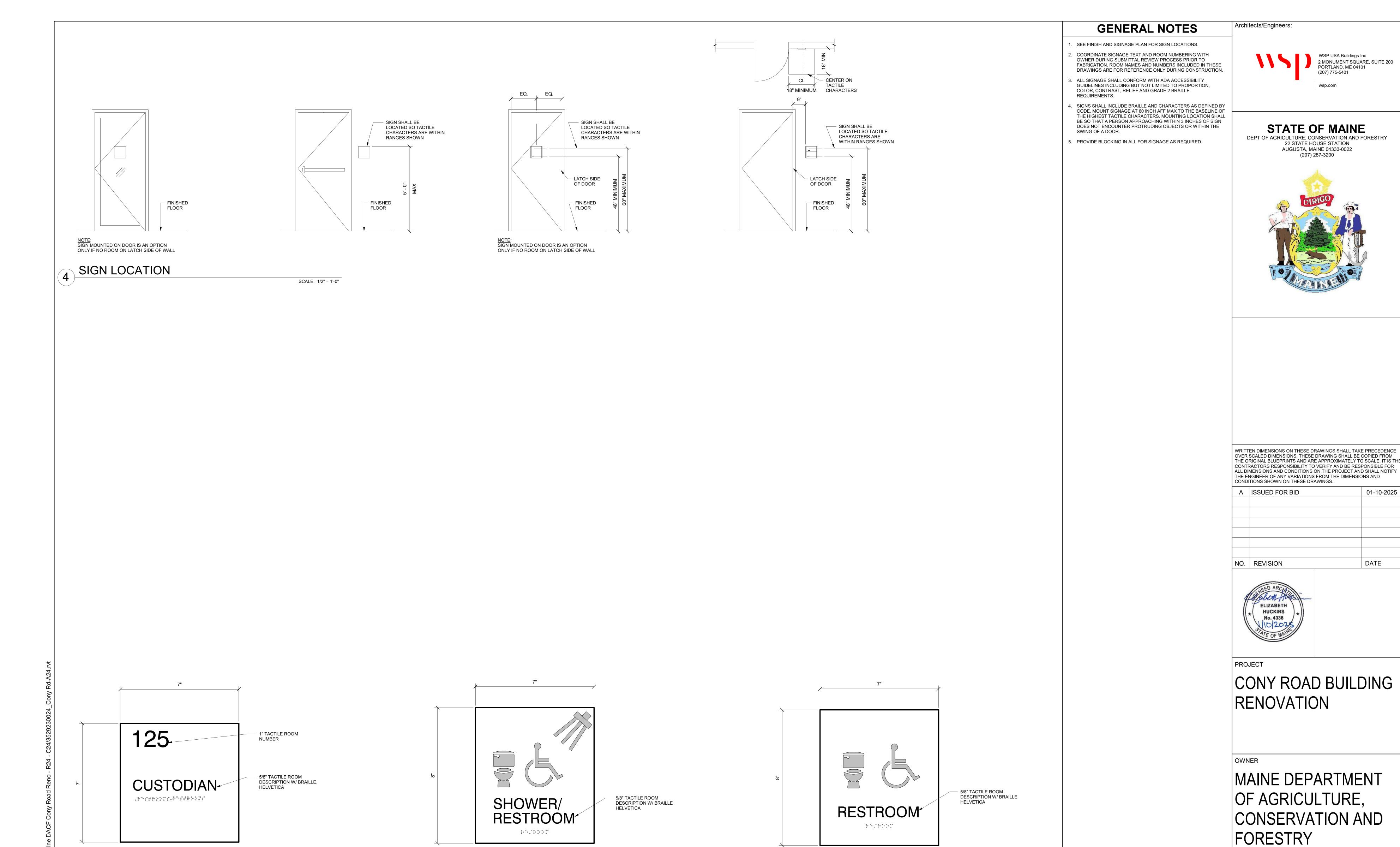
MAINE DEPARTMENT OF AGRICULTURE, CONSERVATION AND FORESTRY

PARTITION INFORMATION

**GRAPHIC SCALE** 

PROJECT NO.: 3529230024 DATE: 01-10-2025 DWN. BY: JLR CKD. BY: EAH

A-602 SCALE: As indicated



SCALE: 6" = 1'-0"

1 SIGN TYPE A

2 SIGN TYPE B

SIGN TYPE C

SIGNAGE DETAILS

DWN. BY: ANB CKD. BY: EAH

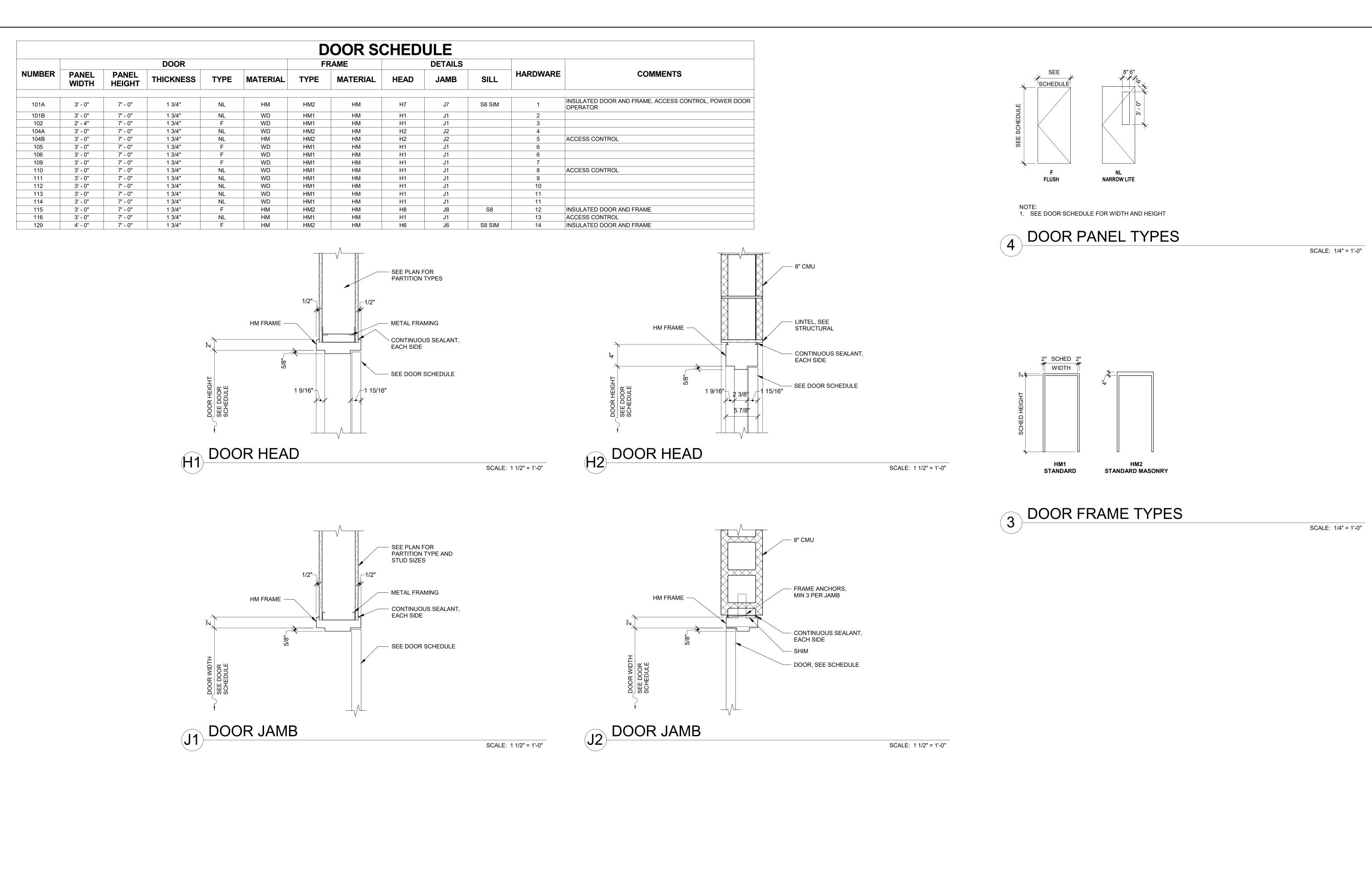
SCALE: As indicated

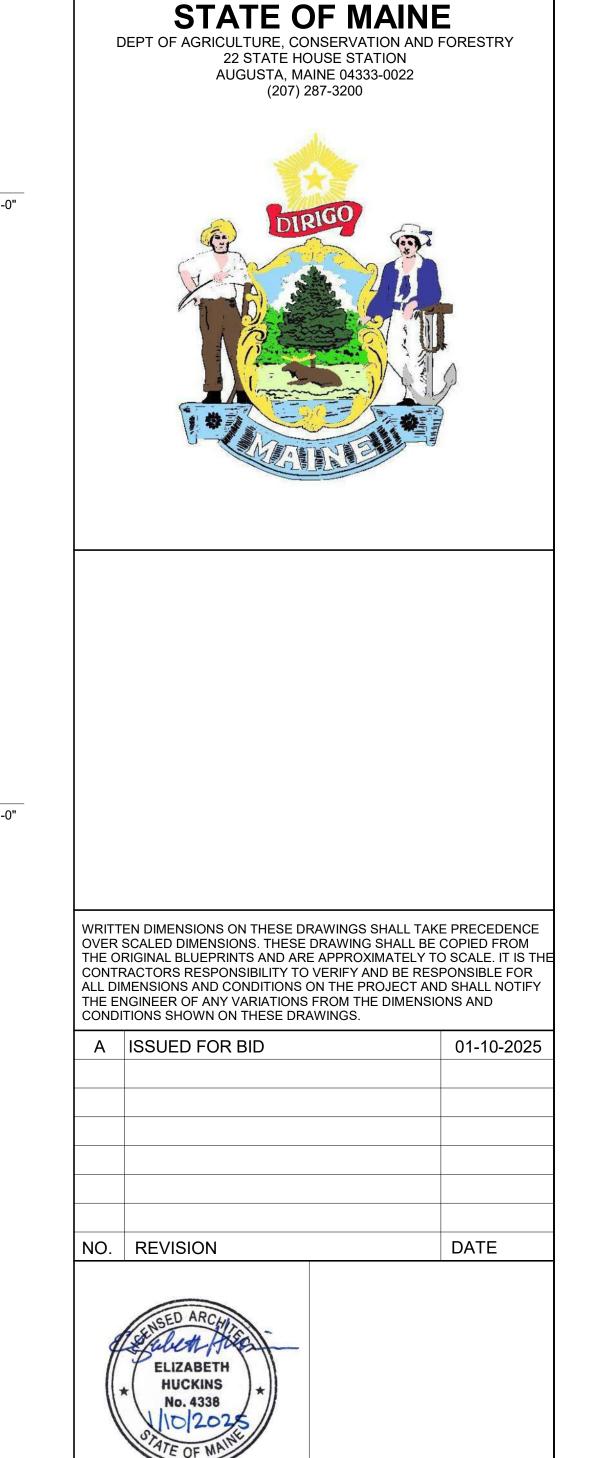
**GRAPHIC SCALE** 

SCALE: 6" = 1'-0"

PROJECT NO.: 3529230024 DATE: 01-10-2025

A-603





Architects/Engineers:

2 MONUMENT SQUARE, SUITE 200

PORTLAND, ME 04101

(207) 775-5401

wsp.com

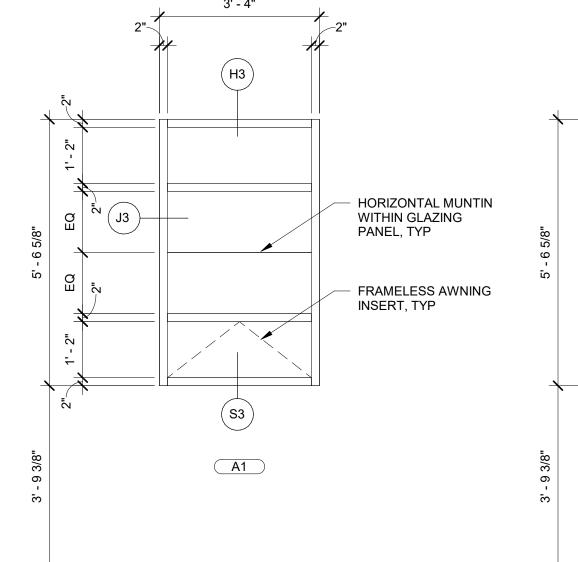
PROJECT

CONY ROAD BUILDING RENOVATION

MAINE DEPARTMENT OF AGRICULTURE, CONSERVATION AND FORESTRY

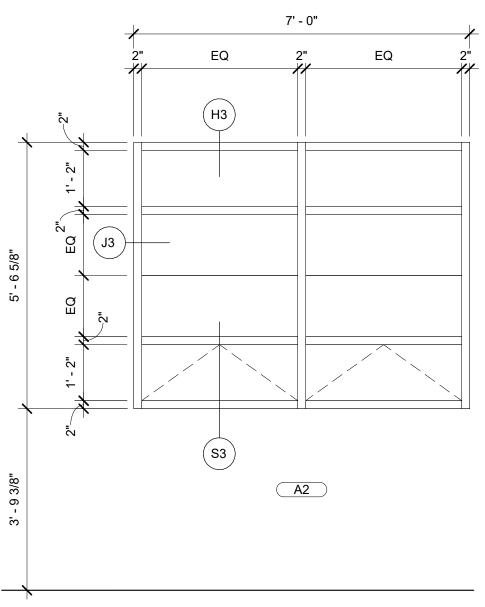
DOOR AND WINDOW INFORMATION

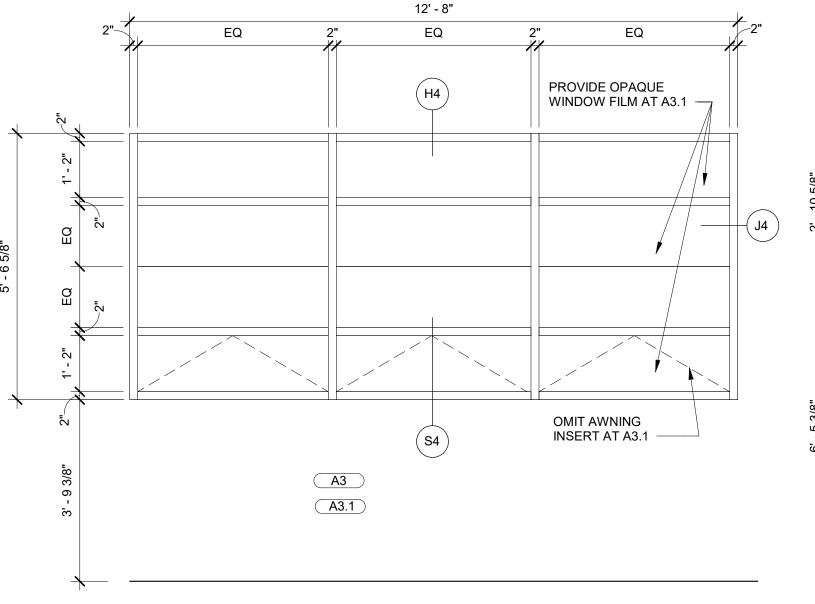
PROJECT NO.: 3529230024 DATE: 01-10-2025 DWN. BY: JLR CKD. BY: EAH SCALE: As indicated

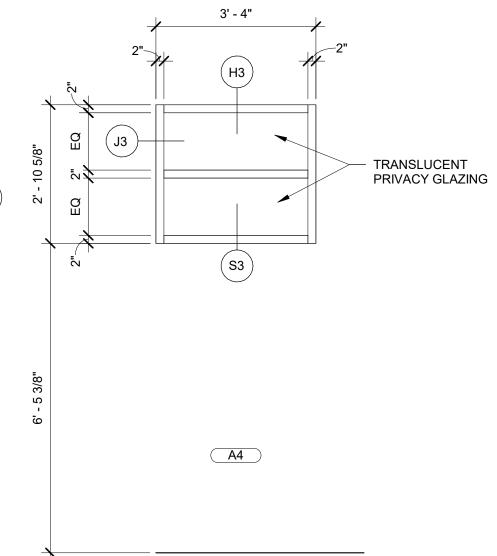


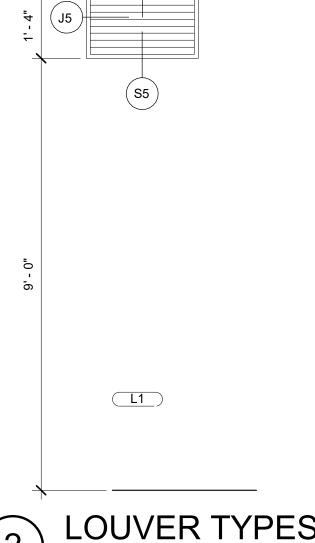
1 ALUMINUM FRAME TYPES

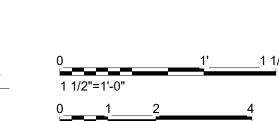
(SEE SHEET A-621 FOR HEAD, JAMB AND SILL DETAILS)









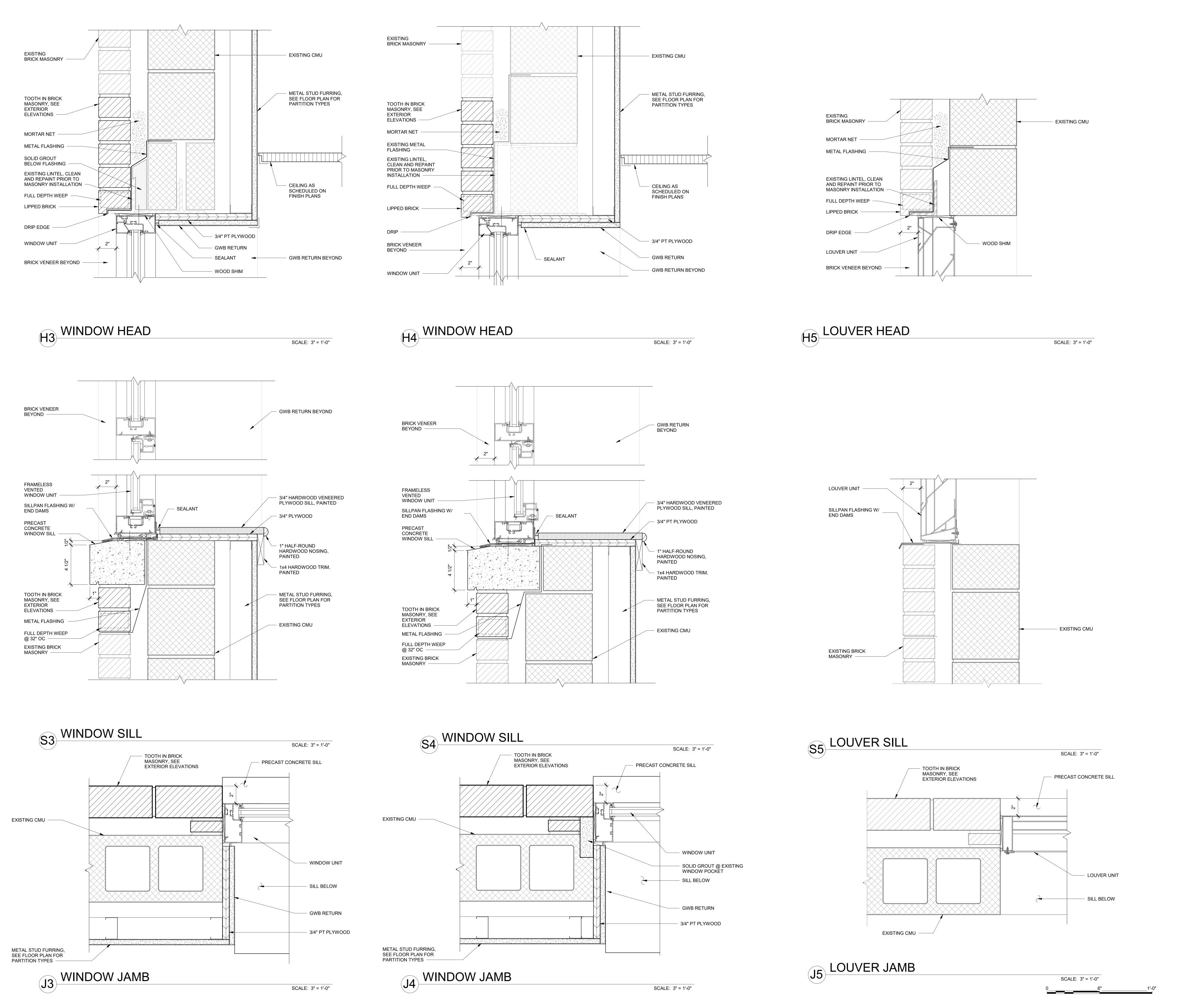


LOUVER TYPES

1/2" = 1'-0"

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

A-611



SCALE: 3" = 1'-0"

SCALE: 3" = 1'-0"

Architects/Engineers: 2 MONUMENT SQUARE, SUITE 200 PORTLAND, ME 04101 (207) 775-5401 wsp.com

STATE OF MAINE DEPT OF AGRICULTURE, CONSERVATION AND FORESTRY 22 STATE HOUSE STATION AUGUSTA, MAINE 04333-0022 (207) 287-3200

WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS. THESE DRAWING SHALL BE COPIED FROM THE ORIGINAL BLUEPRINTS AND ARE APPROXIMATELY TO SCALE. IT IS TH ALL DIMENSIONS AND CONDITIONS ON THE PROJECT AND SHALL NOTIFY THE ENGINEER OF ANY VARIATIONS FROM THE DIMENSIONS AND A ISSUED FOR BID 01-10-2025

DATE

HUCKINS No. 4338

PROJECT

NO. REVISION

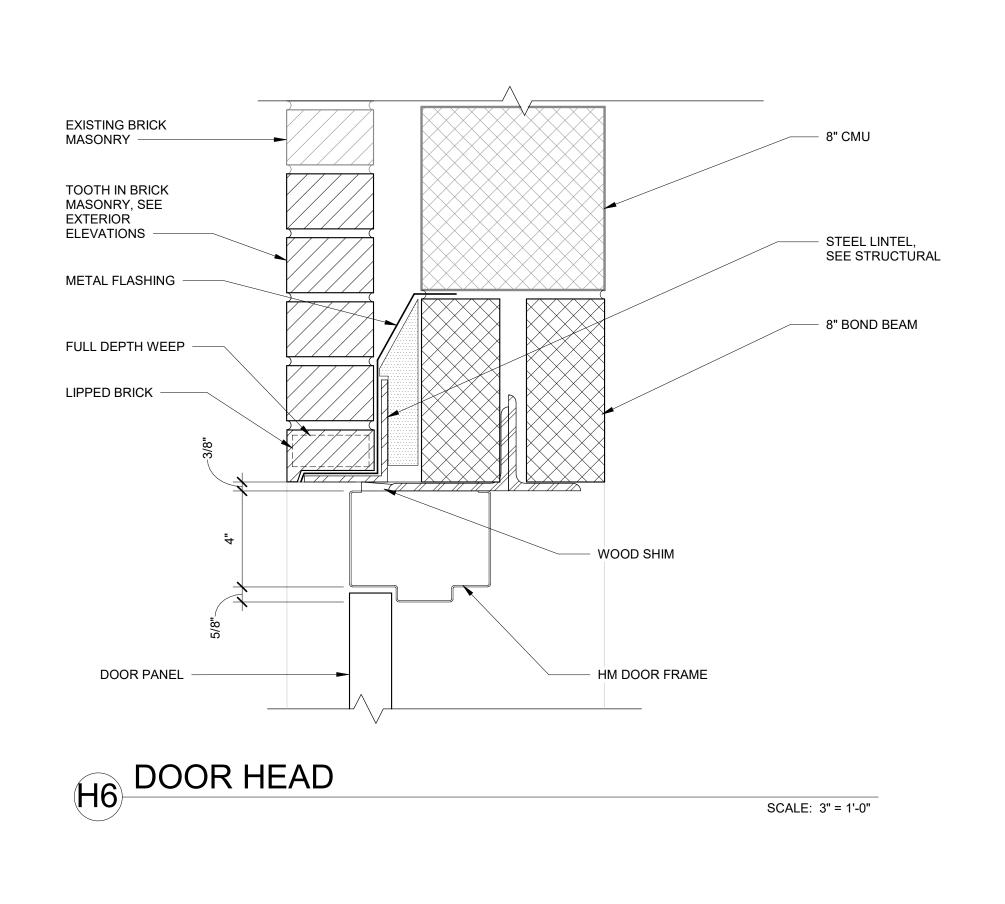
CONY ROAD BUILDING RENOVATION

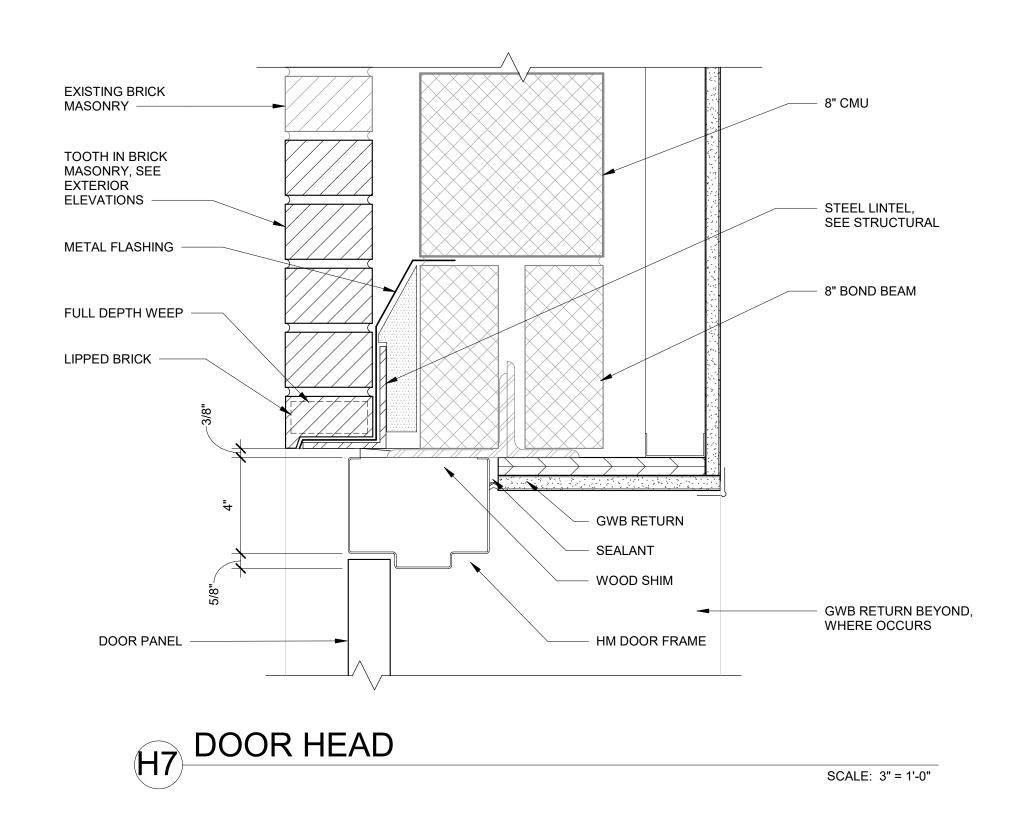
MAINE DEPARTMENT OF AGRICULTURE, CONSERVATION AND FORESTRY

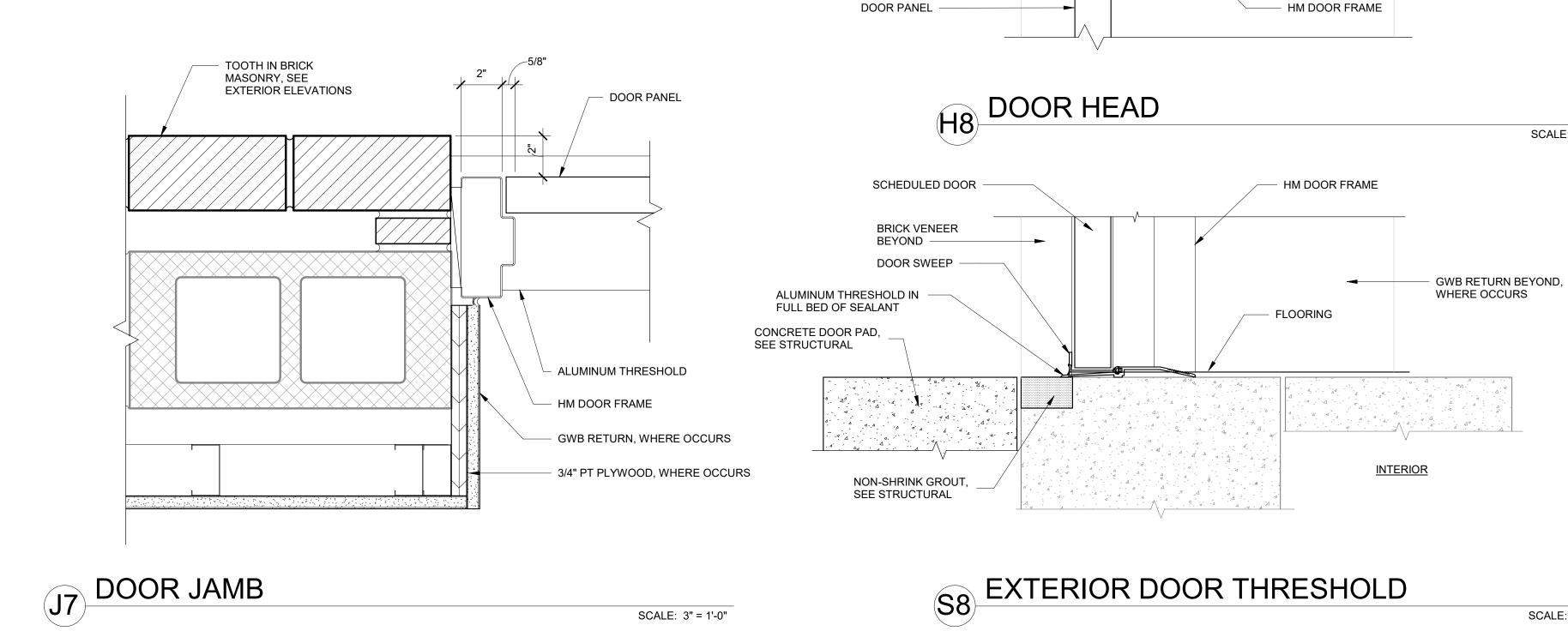
SCALE: 3" = 1'-0"

EXTERIOR DETAILS

PROJECT NO.: 3529230024 DATE: 01-10-2025 A-621 DWN. BY: JLR CKD. BY: EAH SCALE: 3" = 1'-0"







EXISTING BRICK

MASONRY -

MORTAR NET

METAL FLASHING

FULL DEPTH WEEP

LIPPED BRICK

FOR SEALANT

TOOTH IN BRICK MASONRY, SEE

METAL FLASHING -

FULL DEPTH WEEP -

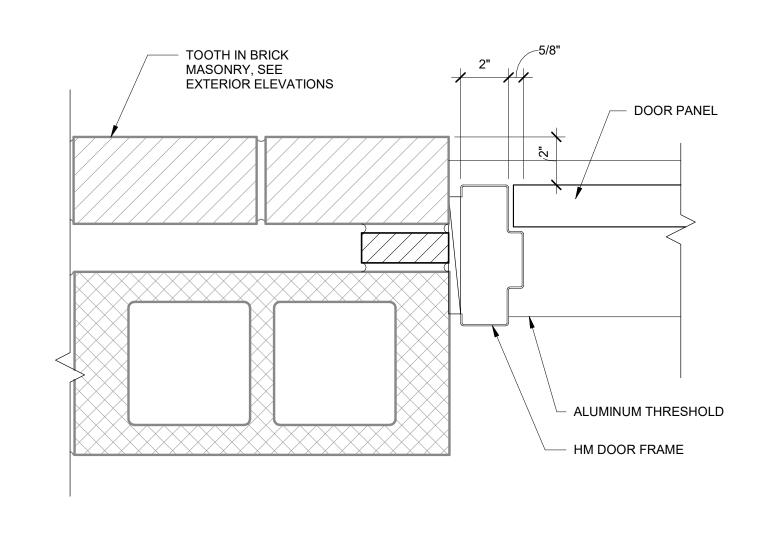
LIPPED BRICK

EXTERIOR

**ELEVATIONS** 

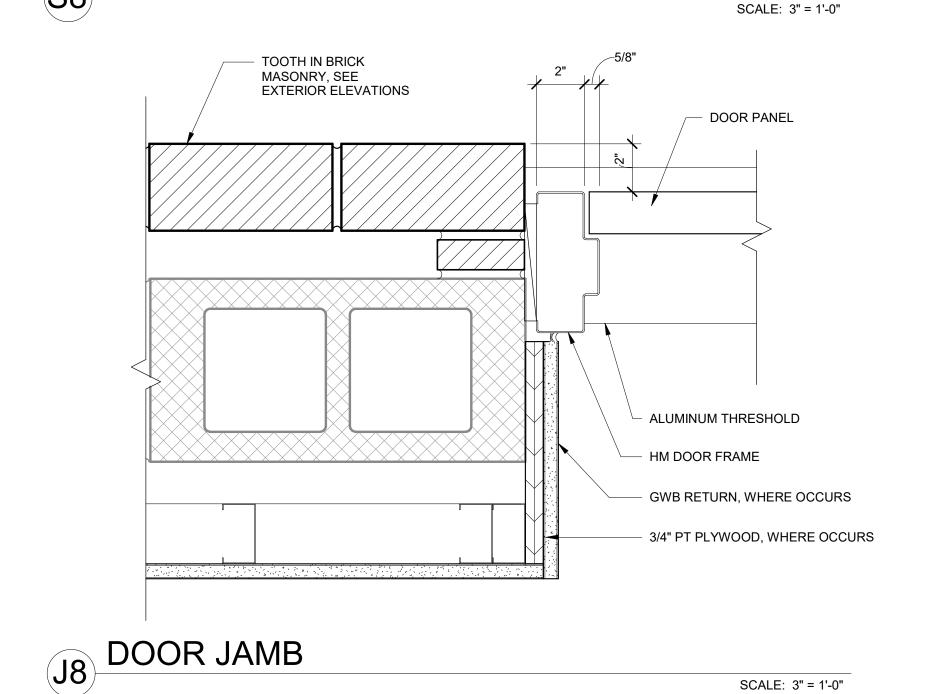
BACKER ROD & SEALANT,

MATCH MORTAR COLOR



DOOR JAMB

SCALE: 3" = 1'-0"





EXISTING CMU

- CEILING, IF EXISTS,

SEE CEILING PLAN

EXISTING LINTEL

STEEL LINTEL,

- 8" BOND BEAM

GWB RETURN BEYOND, WHERE OCCURS

SCALE: 3" = 1'-0"

SEE STRUCTURAL

METAL STUD FURRING IF EXISTS. SEE FLOOR PLAN FOR PARTITION

STATE OF MAINE

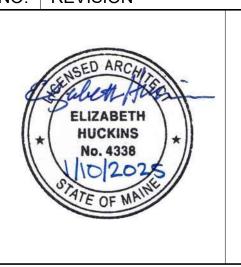
DEPT OF AGRICULTURE, CONSERVATION AND FORESTRY
22 STATE HOUSE STATION
AUGUSTA, MAINE 04333-0022
(207) 287-3200

WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS. THESE DRAWING SHALL BE COPIED FROM THE ORIGINAL BLUEPRINTS AND ARE APPROXIMATELY TO SCALE. IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE PROJECT AND SHALL NOTIFY THE ENGINEER OF ANY VARIATIONS FROM THE DIMENSIONS AND CONDITIONS SHOWN ON THESE DRAWINGS.

A ISSUED FOR BID

01-10-2025

NO. REVISION DATE



PROJECT

CONY ROAD BUILDING RENOVATION

OWNE

MAINE DEPARTMENT OF AGRICULTURE, CONSERVATION AND FORESTRY

TITLE

DOOR DETAILS

PROJECT NO.: 3529230024

DATE: 01-10-2025

DWN. BY: Author CKD. BY: Checker

SCALE: 3" = 1'-0"



- SEE G-001 AND A-001 FOR PROJECT GENERAL NOTES, SYMBOLS, ABBREVIATIONS AND LEGENDS.
- PREPARE SUBSTRATE IN ALL AREAS TO RECEIVE SCHEDULED FINISHES PER MANUFACTURER'S RECOMMENDATIONS, INCLUDING CONDUCTING MOISTURE TESTING AT CONCRETE SUBSTRATES.
- PAINT ALL PREVIOUSLY PAINTED EXISTING SURFACES TO REMAIN WITHIN THE WORK AREA, INCLUDING WALLS, CEILINGS, AND DOOR
- WHERE MORE THAN ONE FINISH IS INDICATED, REFER TO OTHER DRAWINGS OR PLAN NOTES ON THIS SHEET FOR LOCATION AND EXTENTS OF EACH FINISH.
- PATCH AND REPAIR ANY DAMAGE TO EXPOSED SURFACES INDICATED TO REMAIN WITHIN THE WORK AREA TO RESTORE ORIGINAL CONDITION AND TO PROVIDE CONTINUITY WITH FINISHES PROVIDED IN WORK AREA.
- REFER TO REFLECTED CEILING PLANS FOR EXTENTS OF NEW AND EXISTING CEILING.
- PROVIDE METAL EDGE TRIM AT TOP AND BOTTOM EDGES OF WALL TILE, OUTSIDE CORNERS, AND VERTICAL TERMINATION AT SHOWER ENCLOSURE.
- WHERE "PNT-1/ PNT-2" FINISH IS DESIGNATED, REFER TO FINISH PLANS AND INTERIOR ELEVATIONS FOR EXTENTS OF PNT-1 AND
- WHERE "CT/ PNT-1" FINISH IS DESIGNATED, REFER TO INTERIOR ELEVATIONS FOR EXTENTS OF PNT-1 AND CT WAINSCOT.
- 10. FOR ALL PRODUCTS, INCLUDING BASIS OF DESIGN, SUBMIT PRODUCT DATA AND COLOR SAMPLES FOR INITIAL SELECTION AND VERIFICATION.

 			_
	ISI	ШΕ	6
H		пс	

MARK	DESCRIPTION	BASIS OF DESIGN
APC	ACOUSTICAL PANEL CEILING, SEE RCP FOR LOCATIONS	ARMSTRONG ULTIMA TEGULAR 1951, 24" X 24", 15/16" GRID
СТ	CERAMIC WALL TILE	DALTILE, RIGID CLAY, 12 X 24 RIDGE WA TILE, COLOR - DUNE RC11, GROUT TBD
LVT	RESILIENT TILE FLOORING	MILLIKEN, THE MAGIC HOUR, HORIZON, COLOR - BACKLIGHT HZN122
PNT-1	PAINT (FIELD)	SHERWIN WILLIAMS, COLOR - NACRE SW 6154
PNT-2	PAINT (ACCENT)	SHERWIN WILLIAMS, COLOR - COURTYA SW 6440
PNT-3	PAINT (CEILINGS/ SOFFITS)	SHERWIN WILLIAMS, COLOR - SW 7007 CEILING BRIGHT WHITE
PNT-4	PAINT (WINDOW SILLS/ DOOR FRAMES)	SHERWIN WILLIAMS, COLOR - NACRE SW 6154
RB	RESILIENT BASE	TARKETT THERMOPLASTIC RUBBER, 4" W/ TOE JOHNSONITE, COLOR - MACADAI
RES	RESINOUS FLOORING	RIO FLOORING SYSTEMS, RIO-COAT UHW SYSTEM, COLOR - NIGHT GRAY
FRP	FIBERGLASS REINFORCED PLASTIC PANEL	MARLITE, SMOOTH FINISH TO 48" AFF, COLOR - WHITE
CONC	CONCRETE SEALER	DUR-A-FLEX, DUR-A-GLAZE GRIND & SEAL

#### Architects/Engineers:



STATE OF MAINE DEPT OF AGRICULTURE, CONSERVATION AND FORESTRY 22 STATE HOUSE STATION

AUGUSTA, MAINE 04333-0022



### **LEGENDS**

	ROOM NAME 101		ROOM TAG
CEILIN	IG FINISH(#)		
WAL	L FINISH(#)	-	FINISH TAG
BAS	SE FINISH		
FLO	OR FINISH		
		_	

SIGN TYPE, SEE A-603

WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS. THESE DRAWING SHALL BE COPIED FROM THE ORIGINAL BLUEPRINTS AND ARE APPROXIMATELY TO SCALE. IT IS TH ALL DIMENSIONS AND CONDITIONS ON THE PROJECT AND SHALL NOTIFY THE ENGINEER OF ANY VARIATIONS FROM THE DIMENSIONS AND CONDITIONS SHOWN ON THESE DRAWINGS.

	ISSUED FOR BID	01-10-2025
).	REVISION	DATE
#	SED ARCHI SALLEN HOSCO ELIZABETH	

PROJECT

HUCKINS

No. 4338

CONY ROAD BUILDING RENOVATION

MAINE DEPARTMENT OF AGRICULTURE, CONSERVATION AND FORESTRY

FINISH AND SIGNAGE PLAN

### **GRAPHIC SCALE**



PLAN	
NORTH	Р
(>	

PROJECT NO.: 3529230024 DATE: 01-10-2025 A-701 DWN. BY: ANB CKD. BY: EAH SCALE: As indicated

### FIRE PROTECTION LEGEND AND ABBREVIATIONS

	ABBREVIATIONS		SYMBOL LEGEND
AFF	ABOVE FINISHED FLOOR	T	
AHJ	AUTHORITY HAVING JURISDICTION	PIV	POST INDICATOR VALVE
AP	ACCESS PANEL		VALVE (SPECIFICATION FOR TYPE)
BLDG	BUILDING		
CONT	CONTINUATION		- CHECK VALVE
CV	CHECK VALVE		PRESSURE REDUCING VALVE
CW	COLD WATER		OS&Y (OUTSIDE SCREW & YOKE) VALVE
(D)	DEMOLISH		_ OSAT (OUTSIDE SCREW & TORE) VALVE
DN	DOWN		AUTOMATIC FLOW CONTROL VALVE
DR	DRAIN		BUTTERFLY VALVE (MANUAL)
DROP	DROP (WITHIN FLOOR)  DRY SPRINKLER		- GLOBE VALVE
DSP	DRY FIRE STANDPIPE		
DWG	DRAWING		VALVE WITH TAMPER SWITCH
(E)	EXISTING		AUTOMATIC AIR VENT ASSEMBLY
ETR	EXISTING TO REMAIN		— UNION
ETBR	EXISTING TO BE REMOVED		
FDC	FIRE DEPARTMENT CONNECTION		- REDUCER
FP	FIRE PUMP		— SLEEVE
FS	FLOW SWITCH		- PUMP
FSP	FIRE STANDPIPE		
JP	JOCKEY PUMP	- TH- TH- TH- TH- TH- TH- TH- TH- TH- TH	FIRE DEPARTMENT CONNECTION
LDR	LEADER		FIRE DEPARTMENT TEST HEADER
NC	NORMALLY CLOSED		
NIC	NOT IN THIS CONTRACT	——X	FIRE DEPT. HOSE VALVE W/ CAP & CHAIN
NO	NORMALLY OPEN		ROOF MANIFOLD
PIV	POST INDICATING VALVE	—————————————————————————————————————	THE ST. HIS WILL SEE
PRV	PRESSURE REDUCING VALVE		SPRINKLER FLOOR CONTROL VALVE ASSEMBLY
PSI	POUNDS PER SQUARE INCH		EXISTING FIRE HYDRANT
(RE)	REMOVE	DPV	DRY PIPE VALVE W/ ALL RELATED APPURTENANCES
RB	RETURN BEND		
RISE	RISE (WITH IN FLOOR)	DCVA	DOUBLE CHECK VALVE ASSEMBLY
SPKR	SPRINKLER		UPRIGHT SPRINKLER HEAD
TYP UON	TYPICAL  UNLESS OTHERWISE NOTED	•	PENDENT SPRINKLER HEAD
UP	UP (PENETRATES FLOOR SLAB)		
UI .	OF (FENETIALEST ECON SEAB)		CONCEALED PENDANT SPRINKLER HEAD
			SIDEWALL SPRINKLER HEAD
	PIPING LEGEND	<b>&gt;</b>	EXTENDED COVERAGE SPRINKLER HEAD
	= = = =		- BOTTOM PIPE CONNECTION
—— F ——	FIRE WATER SUPPLY		
SP	SPRINKLER PIPING		TOP PIPE CONNECTION
		<del>/</del>	VALVE IN VERTICAL
FSP	FIRE STANDPIPE	- G	— PIPE DOWN
—— DR ——	SPRINKLER DRAIN PIPING		
DFS	DRY FIRE STANDPIPE		PIPE UP
DSP	DRY SPRINKLER PIPING		— CAP
			ARROW INDICATES DIRECTION OF FLOW
E	EXISTING PIPING	<del>\</del>	HYDRAULIC DESIGN AREA
E	EXISTING PIPING TO BE REMOVED	•	POINT OF CONNECTION (NEW TO EXISTING)
			LINE BREAK

### **DIVISION 21 SCOPE NOTES**

- 1. THE DIVISION 21 FIRE PROTECTION CONTRACT DRAWINGS INDICATE A RECOMMENDED DESIGN AND SPECIFY THE DESIGN CRITERIA TO BE USED BY THE INSTALLING CONTRACTOR WHO FINALIZES THE SYSTEM LAYOUT, PROVIDES HYDRAULIC CALCULATIONS AND SUBMITS SHOP DRAWINGS FOR REVIEW AND APPROVAL BY THE OWNER'S REPRESENTATIVE AND AHJ. THE SPRINKLER AND PIPING LAYOUTS AND PIPE SIZES SHOWN ON THE CONTRACT DRAWINGS DEFINE THE BASIC SCOPE, ARE DIAGRAMMATIC AND SHALL BE USED IN CONJUNCTION WITH THE SPECIFIED REQUIREMENTS TO PROVIDE COMPLETE, SET OF WORKING (FABRICATION) DRAWINGS FOR CONSTRUCTION OF A FULLY FUNCTIONAL AND CODE COMPLIANT SYSTEMS.
- 2. THE WORK OF THE DIVISION 21 FIRE PROTECTION CONTRACT INCLUDES:
- PREPARATION OF WORKING (FABRICATION) DRAWINGS AS DEFINED BY NFPA 13.
   COMPLETE SPRINKLER PROTECTION INSTALLATION AND TESTING IN COMPLIANCE WITH NFPA 13.
- HYDRAULIC CALCULATIONS FOR THE ACTUAL INSTALLATION CONDITIONS BASED ON THE COORDINATION DRAWINGS.
- ON SITE FIELD SURVEY, MEASUREMENT, DESIGN AND FABRICATION.
- COORDINATION WITH OTHER TRADES.OBTAINING ALL REQUIRED PERMITS AND LICENSES.
- 3. ALL FIRE PROTECTION PIPING, SPRINKLERS AND EQUIPMENT SHALL BE UL LISTED OR FM APPROVED.
- 4. GENERAL NOTES, ABBREVIATIONS AND SYMBOLS APPLY TO FIRE PROTECTION DRAWINGS.
  HOWEVER, ALL ABBREVIATIONS AND SYMBOLS MAY NOT BE APPLICABLE TO THIS PARTICULAR PROJECT.
  THEY ARE PROVIDED FOR GENERAL REFERENCE ONLY.
- 5. INSTALLATION OF SPRINKLER SYSTEMS SHALL COMPLY WITH PROJECT SPECIFICATIONS, NFPA 13 (2016 ED) AS ADOPTED BY THE RULES OF THE STATE FIRE MARSHAL CHAPTER 4; AND ALL APPLICABLE CODES AND STANDARDS.

	MISCELLANEO	JS	
	P = SAN, VENT STACK OR DOMESTIC WATER RIS	ER	<u> </u>
$\left(\begin{array}{c} P \\ 1 \end{array}\right)$	ST = STORM DRAIN LEADER RISER	RISER NO.	
	F = FIRE STANDPIPE RISER		MOLITINO.
CP 1	EQUIPMENT DESIGNATION	°	EQUIPMENT EQUIPMENT NO.
1 P2.1	DETAIL DESIGNATION	0	DETAIL NUMBER DWG. SHEET NO.
	SHEET NOTE NUMBER		
1	REVISION NUMBER		

FIRE PROTECTION SHEET INDEX				
SHEET NUMBER	DRAWING INDEX			
F-001	FIRE PROTECTION LEGENDS & ABBREVIATIONS			
F-101	FIRE PROTECTION PLAN			
F-501	FIRE PROTECTION DETAILS			

SPRINKLER SYSTEM HYDRAULIC DESIGN CRITERIA											
AREA OF OPERATION, HOSE ALLOWANCE, TYPE (2) SPRINKLER CHARACTERISTICS										TICS	
AREA	STORAGE	DESIGN STANDARD (1)	SYSTEM TYPE	CLASSIFICATION	GPM / SQ. FT.	SQ. FT.	GPM	TYPE (2)	K-FACTOR	TEMP. ° F (2)	STYLE
		NFPA 13 FIGURE 11.2.3.1.1	WET	LIGHT HAZARD	0.10	1,500	100	QUICK RESPONSE	5.6	165	PENDENT
OFFICES; FOCUS AND HUDDLE ROOMS; BREAK ROOM; CORRIDORS; RESTROOMS; LAB;	N/A										
CARPENTER SHOP/STORAGE	STORAGE OF EQUIPMENT, MATERIALS AND TOOLS (NO FUEL FILLED EQUIPMENT): MISC STG - CLASS II COMMODITY: < 40 GAL FLAMMABLE/COMBUSTIBLE LIQUIDS IN CABINETS	NFPA 13 FIGURE 13.2.1	WET	ORDINARY HAZARD	0.15	1,500	250	STANDARD RESPONSE	5.6	165	PENDENT

NOTES: (1) NFPA 13 (2016 ED.)

(2) TABLE VALUES USED IN BASIS OF DESIGN. RESPONSE TIME AND TEMPERATURE RATING WITHIN THE ROOM (SPACE) TO MATCH EXISTING SPRINKLERS EXCEPT ARCHIVAL STORAGE (LEVEL 1).

(3) UNLESS OTHERWISE SHOWN ON DRAWINGS

(4) ALSO WITH CONSIDERATION GIVEN TO MULTIPLE HAZARD CLASSIFICATIONS IN SECTION 12.7.2 AND A.12.7.2(3).

Architects/Engineers:



STATE OF MAINE
DEPT OF AGRICULTURE, CONSERVATION AND FORESTRY
22 STATE HOUSE STATION



WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS. THESE DRAWING SHALL BE COPIED FROM THE ORIGINAL BLUEPRINTS AND ARE APPROXIMATELY TO SCALE. IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE PROJECT AND SHALL NOTIFY THE ENGINEER OF ANY VARIATIONS FROM THE DIMENSIONS AND CONDITIONS SHOWN ON THESE DRAWINGS.

Α	ISSUED FOR BID	01-10-2025
NO.	REVISION	DATE



PROJECT

CONY ROAD BUILDING RENOVATION

OWNER

MAINE DEPARTMENT OF AGRICULTURE, CONSERVATION AND FORESTRY

TITLE

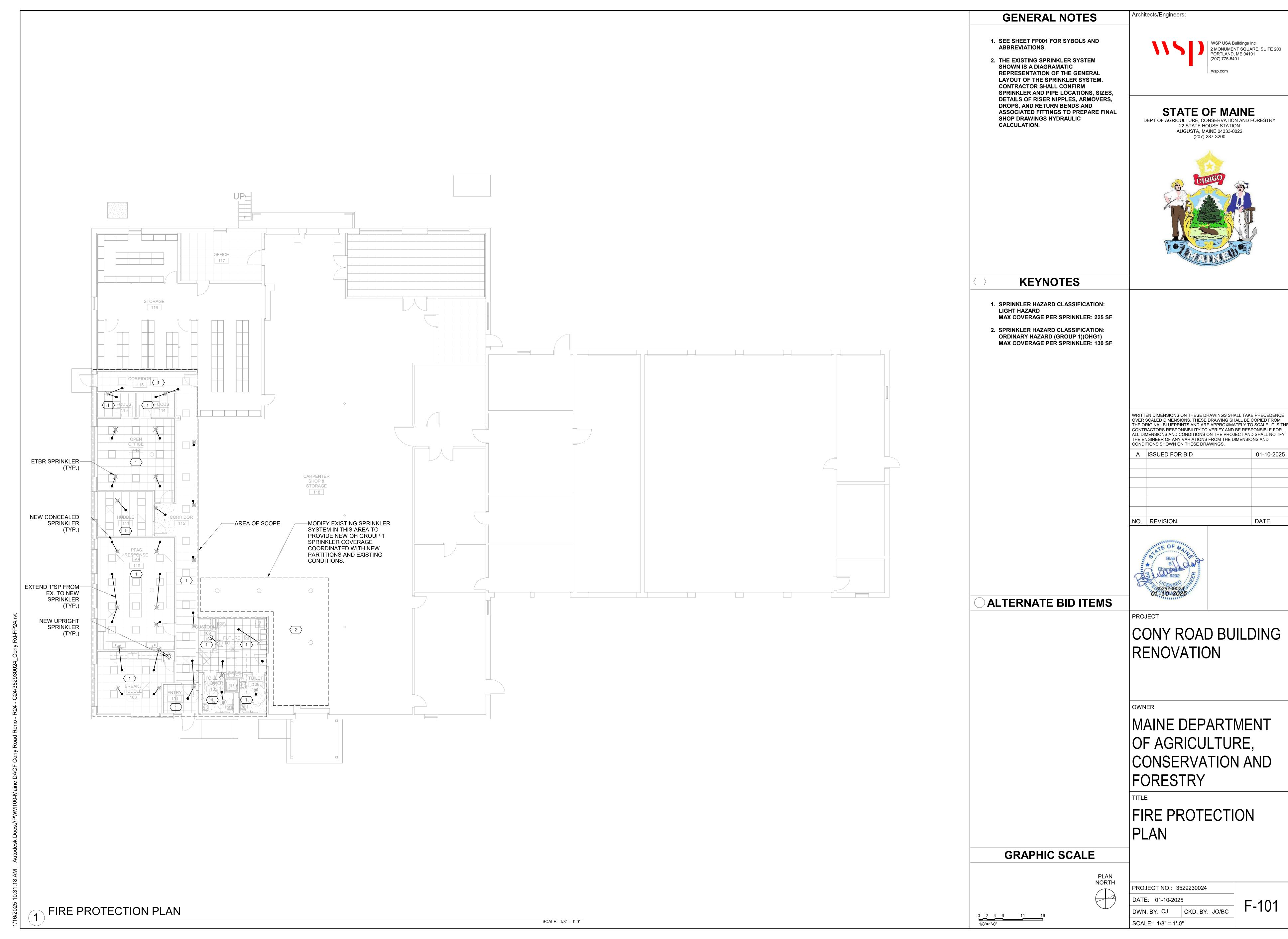
FIRE PROTECTION LEGENDS & ABBREVIATIONS

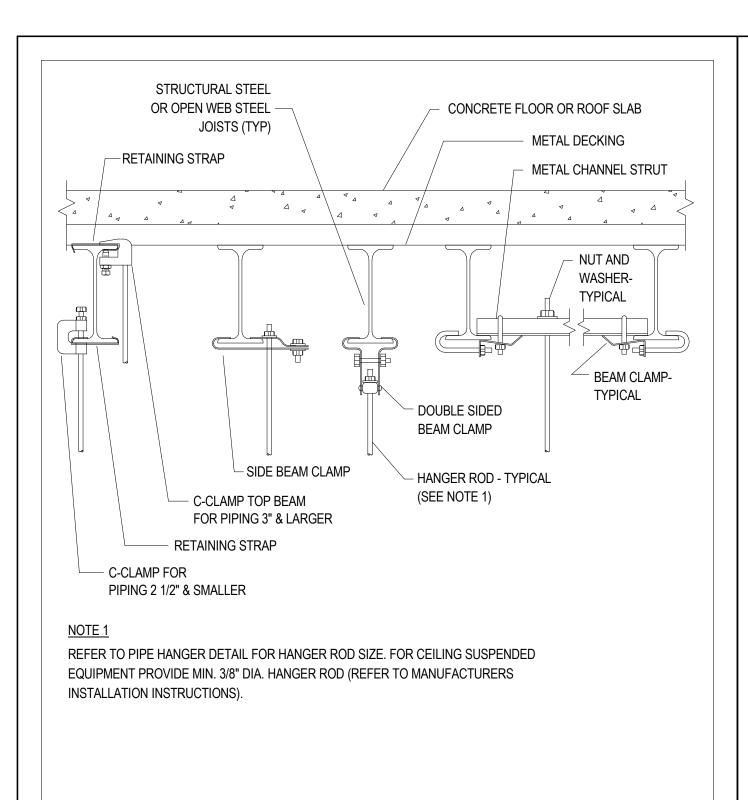
PROJECT NO.: 3529230024

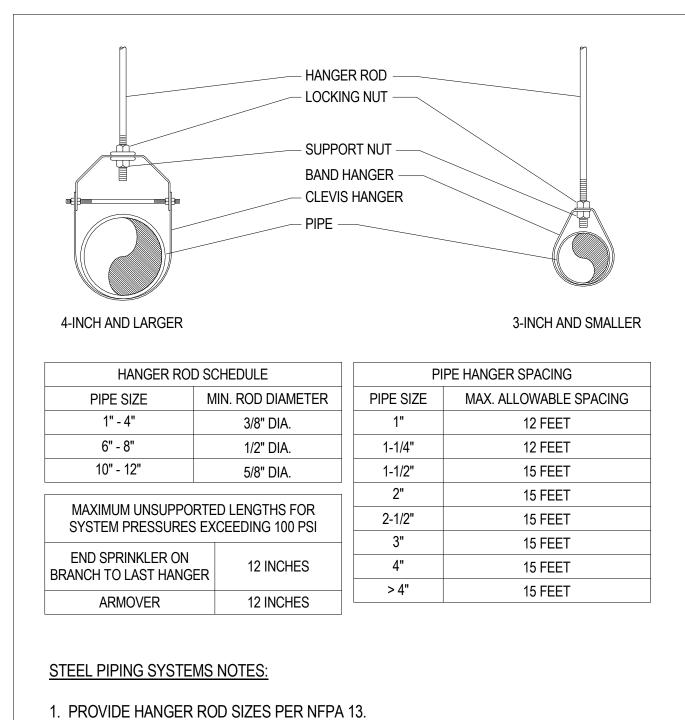
DATE: 01-10-2025

DWN. BY: CJ CKD. BY: JO/BC

SCALE: NTS

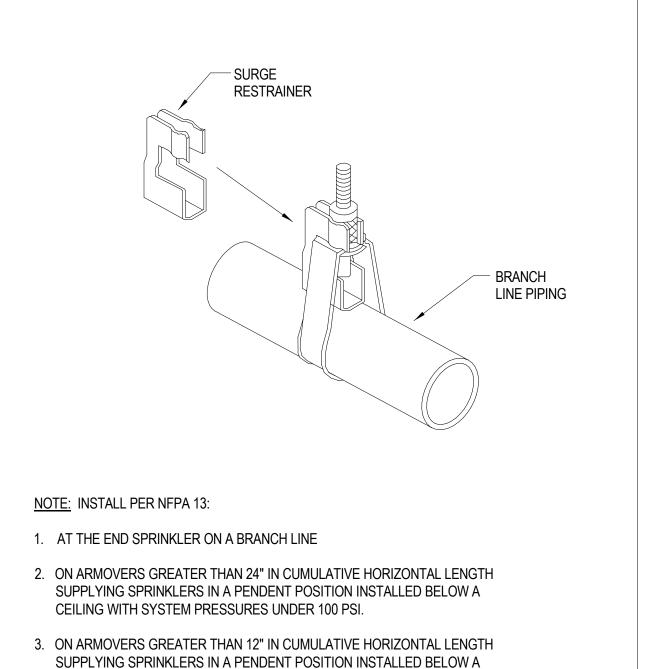






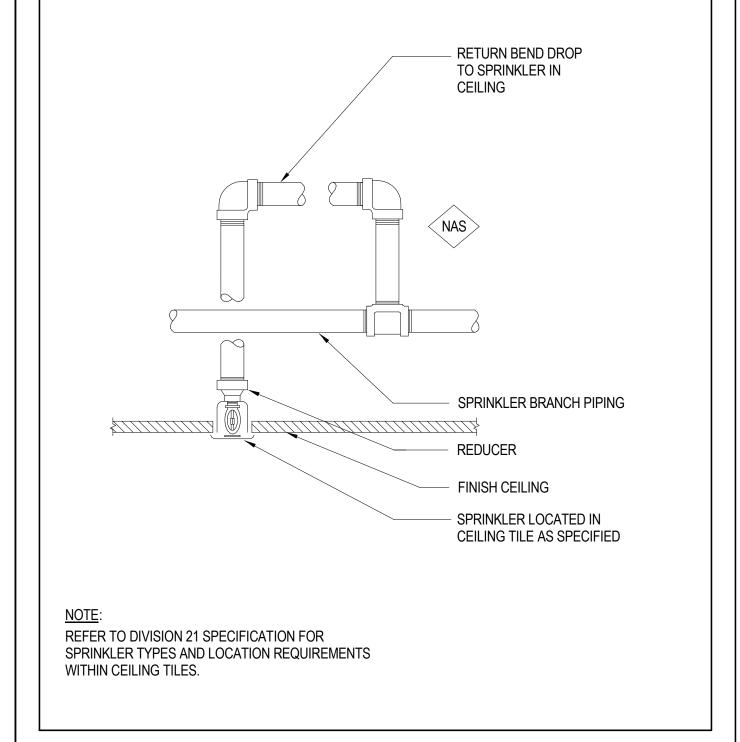
2. MAXIMUM DISTANCE BETWEEN PIPE HANGERS SHALL BE PER NFPA 13.

CLEVIS - BAND HANGER & ROD



CEILING WITH SYSTEM PRESSURES OVER 100 PSI.

SURGE RESTRAINER

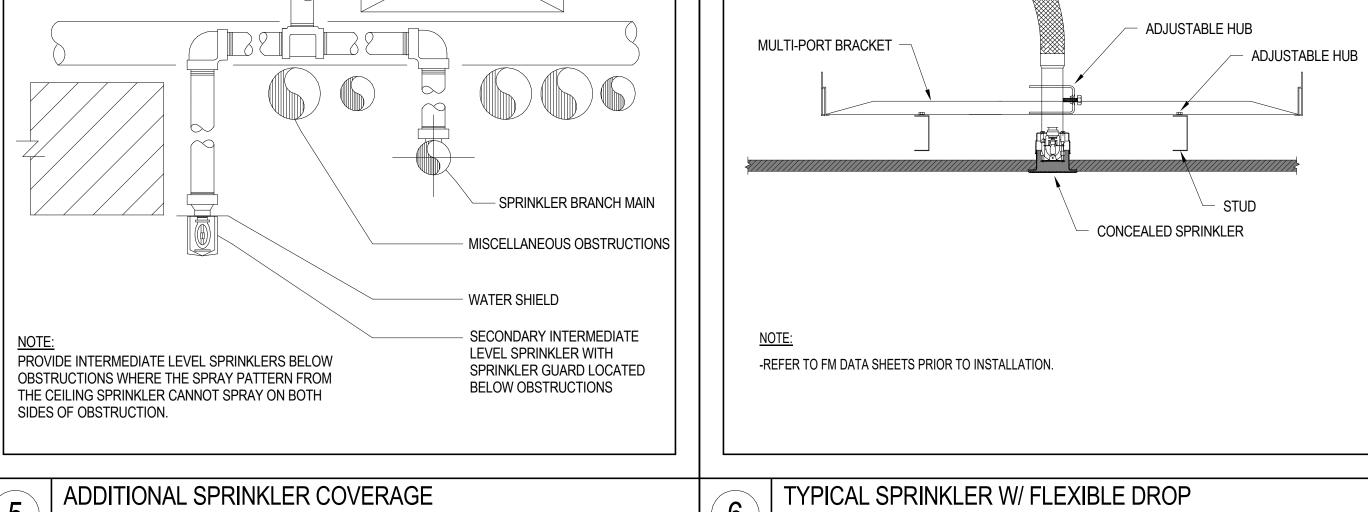


RETURN BEND DROP

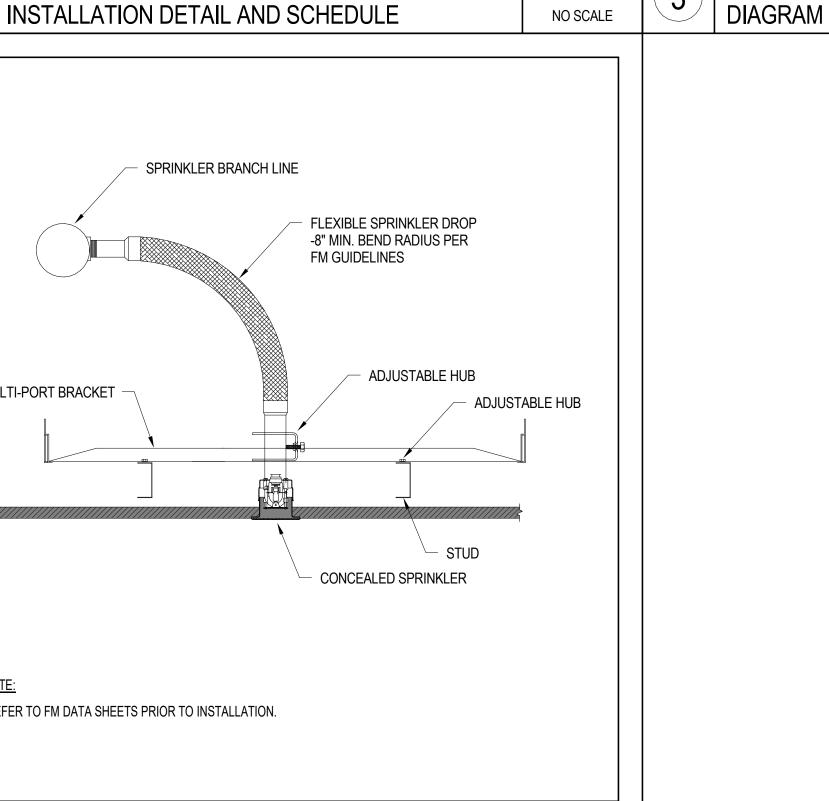
NO SCALE

$\frac{1}{R}$	ODS TO S	TRUCTURAL STEE	L DETAIL	NO :	SCALE
	LOOR/ROOF ECK		"CEILING" SPRII WITHIN 12" OF I		
		12"MAX	MISCELLANEOU OBSTRUCTION: TRAYS, DUCTW PIPING, TRUSS SIMILAR OBJEC	S (e.g. CABLE /ORK, CABINETS, ES, JOISTS, &	
					)
				SPRINKLER BRANCH N	
			WATE	ER SHIELD	
OBSTRUC <sup>*</sup>	TIONS WHERE TI	EVEL SPRINKLERS BELOW HE SPRAY PATTERN FROM ANNOT SPRAY ON BOTH	LEVE SPRI	ONDARY INTERMEDIAT IL SPRINKLER WITH NKLER GUARD LOCATE DW OBSTRUCTIONS	

IN CONGESTED OPEN CEILING AREAS



NO SCALE



NO SCALE

WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS. THESE DRAWING SHALL BE COPIED FROM THE ORIGINAL BLUEPRINTS AND ARE APPROXIMATELY TO SCALE. IT IS THE ALL DIMENSIONS AND CONDITIONS ON THE PROJECT AND SHALL NOTIFY THE ENGINEER OF ANY VARIATIONS FROM THE DIMENSIONS AND

A ISSUED FOR BID 01-10-2025 DATE NO. REVISION



Architects/Engineers:

| WSP USA Buildings Inc

PORTLAND, ME 04101

(207) 775-5401

wsp.com

STATE OF MAINE

DEPT OF AGRICULTURE, CONSERVATION AND FORESTRY

22 STATE HOUSE STATION

AUGUSTA, MAINE 04333-0022 (207) 287-3200

2 MONUMENT SQUARE, SUITE 200

PROJECT

NO SCALE

CONY ROAD BUILDING RENOVATION

MAINE DEPARTMENT OF AGRICULTURE, CONSERVATION AND FORESTRY

FIRE PROTECTION DETAILS

F-501

-----

**─** 

\* NOTE \*
ALL OF GENERAL NOTES ON THIS SHEET ARE TO BE APPLIED TO ALL OTHER DRAWINGS IN

THIS SET.THE SYMBOLS AND ABBREVIATIONS SHOWN ON THIS SHEET MAY OR MAY NOT BE

USED IN THIS SET OF DRAWINGS.

-Backdraft Damper

-Smoke Damper

Comb. Fire/

Smoke Damper

-Fire Damper

NO2 Nitrogen Dioxide Detector

O2 Oxygen Gas Detector

#### **Project Requirements**

- REMOVE ALL UNUSED PIPING, DUCTWORK AND ACCESSORIES. B THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING, PRIOR TO FINAL BID, ALL EXISTING CONDITIONS FOR PLUMBING AND MECHANICAL SYSTEMS WITHIN TENANT SPACE
- AND WITHIN CLOSE PROXIMITY OF TENANT SPACE. THE MECHANICAL CONTRACTOR SHALL PERFORM SERVICE AND REPAIR ON THE EXISTING EQUIPMENT AND ITS ACCESSORIES AS FOLLOWS: CLEAN ALL COILS, REPLACE THE FILTERS AND BELTS, INSPECT, REPAIR, OR REPLACE THE ECONOMIZERS, DRIVES AND FAN BEARINGS, MOTORS, CONTROL COMPONENTS, VALVES AND ANY OTHER ITEM NECESSARY FOR A COMPLETE AND PROPER OPERATING SYSTEM. THIS CONTRACTOR SHALL ALSO VISIT THE SITE, PRIOR TO FINAL BIDDING, AND VERIFY ALL EXISTING SITE CONDITIONS. PROVIDE ALL MATERIAL AND COMPONENTS AS NEEDED TO BRING THE UNITS TO FULL COMPLIANCE OF THE LANDLORD'S CRITERIA AND LOCAL AUTHORITY HAVING JURISDICTION.
- WHERE FLOOR DRAINS OCCUR WITHIN THE LIMITS OF CONSTRUCTION, PREVENT CONSTRUCTION DEBRIS FROM ENTERING DRAIN BODY BY SEALING DRAIN OPENING PRIOR TO START OF WORK. UNSEAL DRAINS AT COMPLETION OF COORDINATE INSTALLATION OF PIPING, DUCTWORK, CONDUIT,
- LIGHTS, CABLE TRAY, STRUCTURE, AND EQUIPMENT TO PREVENT THE CONTRACTOR SHALL BE FAMILIAR WITH ALL THE CONDITIONS BOTH EXISTING AND THOSE ILLUSTRATED BY THESE DOCUMENTS AS WELL AS THOSE WHICH CAN BE REASONABLY ANTICIPATED
- INCLUDING, BUT NOT LIMITED TO ARCHITECTURAL, ELECTRICAL, VENTILATION, PLUMBING, AND OTHER SYSTEMS INVOLVED ON THIS FINAL PRODUCT SHALL BE A COMPLETE AND FUNCTIONING SYSTEM, AND SHALL CONFORM TO ALL REQUIREMENTS OF APPLICABLE FEDERAL, STATE, AND LOCAL CODES, INCLUDING BUT

NOT LIMITED TO THE INTERNATIONAL BUILDING CODE AND

- INTERNATIONAL MECHANICAL CODE. H LOCATE EQUIPMENT REQUIRING ACCESS 2'-0" MAXIMUM ABOVE NOT USED J NOT USED
- K LOCATE DUCTWORK, PIPING AND MECHANICAL EQUIPMENT AWAY FROM THE SPACE ABOVE ELECTRICAL PANELS. TRANSFORMERS AND OTHER ELECTRICAL EQUIPMENT.
- FIRE STOPPING SHALL BE AN APPROVED MATERIAL AS PRESCRIBED IN CSFM STANDARD 43-1 AND SHALL BE U.L. LISTED M PROVIDE SLEEVES AND/OR OPENINGS TO RUN PIPES AND DUCTS

PENETRATIONS OF RATED ASSEMBLIES SHALL BE FIRE STOPPED.

- THROUGH FOUNDATIONS, FLOORS, WALLS, AND ROOF. MAINTAIN CLEAR ACCESS TO SERVICE EQUIPMENT AND OTHER ACCESSORIES REQUIRING SERVICE, VISUAL INSPECTION OR HAND OPERATION. WHERE INDICATED OR REQUIRED, PROVIDE ACCES PANELS OF THE TYPE SELECTED TO SUIT MATERIALS IN WHICH
- ADJUST PIPING AND DUCTWORK SIZES TO PROPERLY CONNECT TO MECHANICAL EQUIPMENT. P REFER TO HVAC SERIES DRAWINGS FOR A.C. CONDENSATE DRAIN

Q PIPE SIZES SHOWN SHALL BE CONTINUED IN THE DIRECTION OF

- FLOW UNTIL ANOTHER SIZE IS SHOWN. R FOR DETAILS, EQUIPMENT CONNECTIONS, AND PIPE SIZES NOT
- SHOWN ON THE SEGMENTS, REFER TO DETAILS, SCHEDULES, AND INSTALL ALL EQUIPMENT IN ACCORDANCE WITH THE RESPECTIVE MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS, AT A LEVEL OF QUALITY AND WORKMANSHIP CONSISTENT WITH THE SPECIFICATIONS.
- LOCATIONS OF PIPING, DUCTWORK AND EQUIPMENT AS INDICATE ON THE DRAWING, ARE APPROXIMATE AND SUBJECT TO MINOR ADJUSTMENTS IN THE FIELD. WORK SHALL BE COORDINATED WITH ALL OTHER TRADES TO AVOID INTERFERENCE IN THE FIELD. INSTALL EXPOSED PIPING AND DUCTWORK AS HIGH AS PRACTICAL IN ROOMS WITHOUT CEILINGS.
- AND APPROVED BY THE OWNER. PRIOR TO STARTING WORK, SUBMIT SHOP DRAWINGS FOR ALL MECHANICAL EQUIPMENT, PLUMBING FIXTURES, AND DIFFUSERS CONTRACTOR SHALL OBTAIN AND PAY FOR ALL NECESSARY
- PERMITS AND SHALL ARRANGE FOR ALL INSPECTIONS AS PROVIDE ONE YEAR WARRANTY FOR ALL WORKMANSHIP AND MATERIALS AFTER THE DATE OF FINAL ACCEPTANCE.

THE CONTRACTOR'S WORK SCHEDULE SHALL BE SUBMITTED TO

#### **HVAC General Notes**

- A HOT SUPPLY AND RETURN PIPING TO COILS ARE THE M-401 MECHANICAL PIPING DIAGRAMS
- B CONTRACTOR SHALL LOCATE THERMOSTATS AND M-502 MECHANICAL DETAILS TEMPERATURE SENSORS AT 5'-0" AFF, A MINIMUM OF M-503 MECHANICAL DETAILS 8" FROM LIGHT SWITCH. REFER TO HVAC DRAWINGS FOR THERMOSTAT AND

TEMPERATURE SENSOR LOCATIONS.

- CONDENSATE DRAINS SHALL BE SUPPLIED FOR ALL COOLING EQUIPMENT. CONTRACTOR SHALL ENSURE M-702 MECHANICAL CONTROLS BY FEDERAL, STATE, AND LOCAL CODES. CONDENSATE PIPING SHALL BE TYPE "L" COPPER.
- D ALL SUPPLY, RETURN, AND EXHAUST DUCTWORK SHALL BE RATED FOR PRESSURE CLASS OF 2" W.G. UNLESS NOTED OTHERWISE.
- E COORDINATE THE EXACT LOCATION OF ALL CEILING DIFFUSERS, REGISTERS, AND GRILLES WITH NEW AND EXISTING LIGHTING. F PROVIDE DIFFUSERS AND REGISTERS WITH 4-WAY
- BLOW PATTERN UNLESS OTHERWISE NOTED. THIS CONTRACTOR SHALL BE REQUIRED TO REPLACE FILTERS ON HVAC EQUIPMENT AFTER ALL DUST PRODUCING CONSTRUCTION HAS BEEN COMPLETED AND PRIOR TO THE FINAL PUNCH.

- M-001 MECHANICAL LEGEND AND ABBEVIATIONS
- M-501 MECHANICAL DETAILS
- M-601 MECHANICAL SCHEDULES

#### **HVAC SHEET INDEX**

- M-701 MECHANICAL CONTROLS
- PROPER INSTALLATION AND DRAINAGE AS REQUIRED | MD101 | MECHANICAL DEMOLITION PLAN MP101 MECHANICAL FLOOR PLAN - PIPING

- M-700 MECHANICAL CONTROL LEGENDS

MH101 MECHANICAL FLOOR PLAN - DUCTWORK

Architects/Engineers:



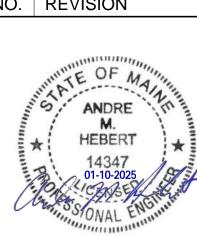
STATE OF MAINE

DEPT OF AGRICULTURE. CONSERVATION AND FORESTRY 22 STATE HOUSE STATION AUGUSTA, MAINE 04333-0022 (207) 287-3200



WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS. THESE DRAWING SHALL BE COPIED FROM THE ORIGINAL BLUEPRINTS AND ARE APPROXIMATELY TO SCALE. IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE PROJECT AND SHALL NOTIFY THE ENGINEER OF ANY VARIATIONS FROM THE DIMENSIONS AND CONDITIONS SHOWN ON THESE DRAWINGS.

Α	ISSUED FOR BID	01-10-20
NO.	REVISION	DATE



**PROJECT** 

CONY ROAD BUILDING RENOVATION

MAINE DEPARTMENT OF AGRICULTURE, CONSERVATION AND FORESTRY

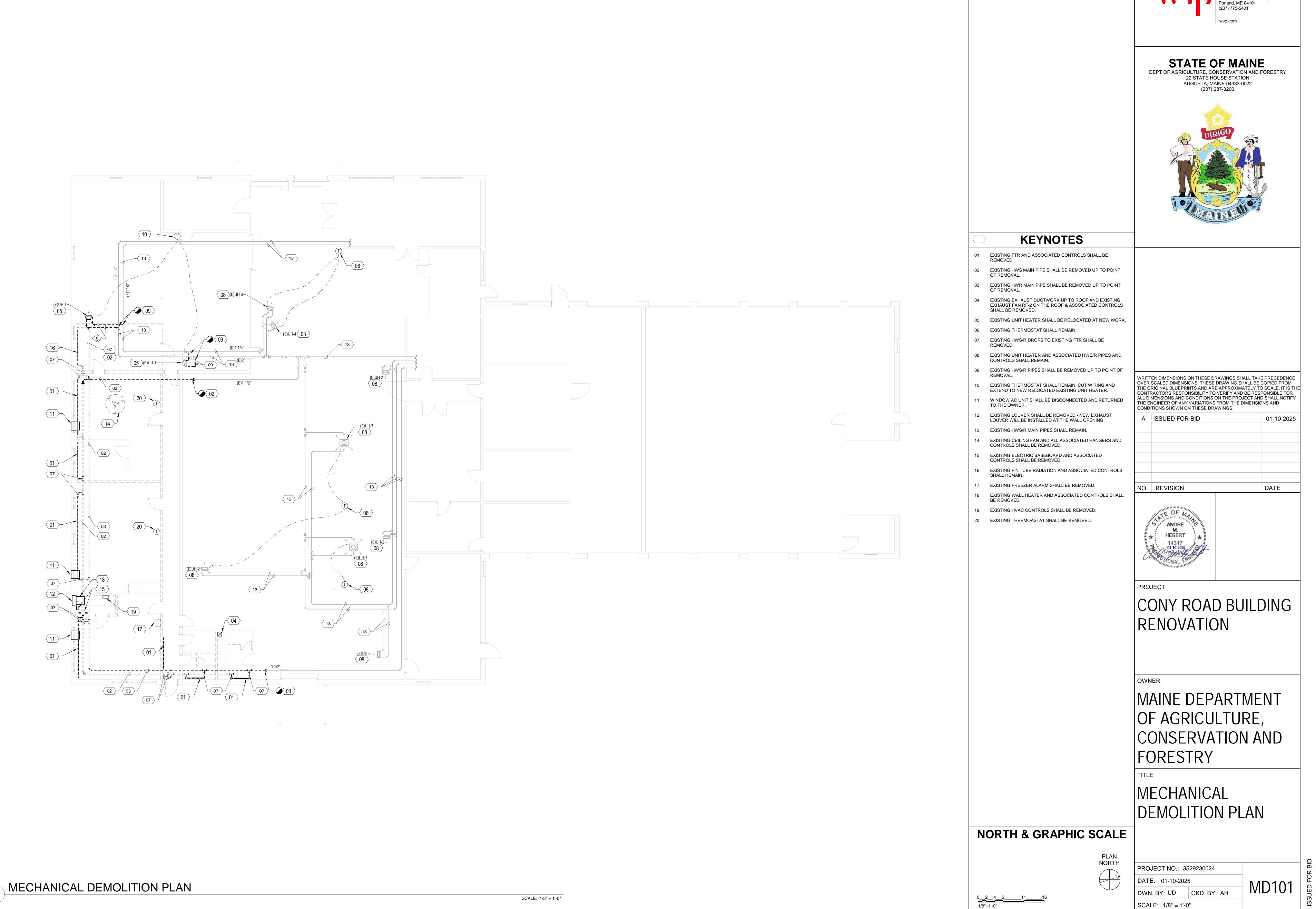
MECHANICAL LEGEND AND ABBEVIATIONS

PROJECT NO.: 3529230024 DATE: 01-10-2025

SCALE: NTS

M-001

DWN. BY: UD CKD. BY: AH



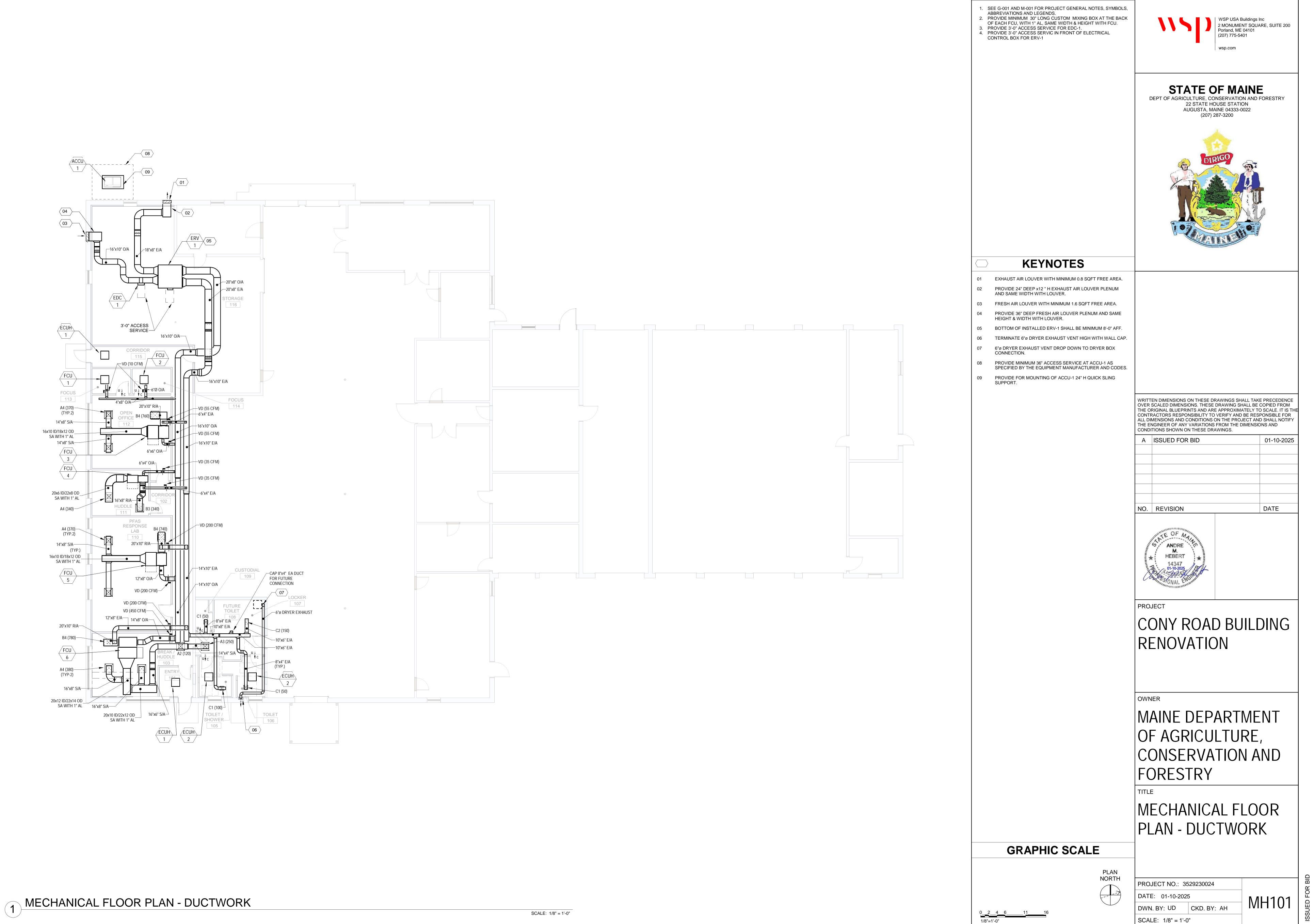
Architects/Engineers:

WSP USA Buildings Inc

2 MONUMENT SQUARE, SUITE 200

**GENERAL NOTES** 

. SEE G-001 AND M-001 FOR PROJECT GENERAL NOTES, SYMBOLS, ABBREVIATIONS AND LEGENDS.

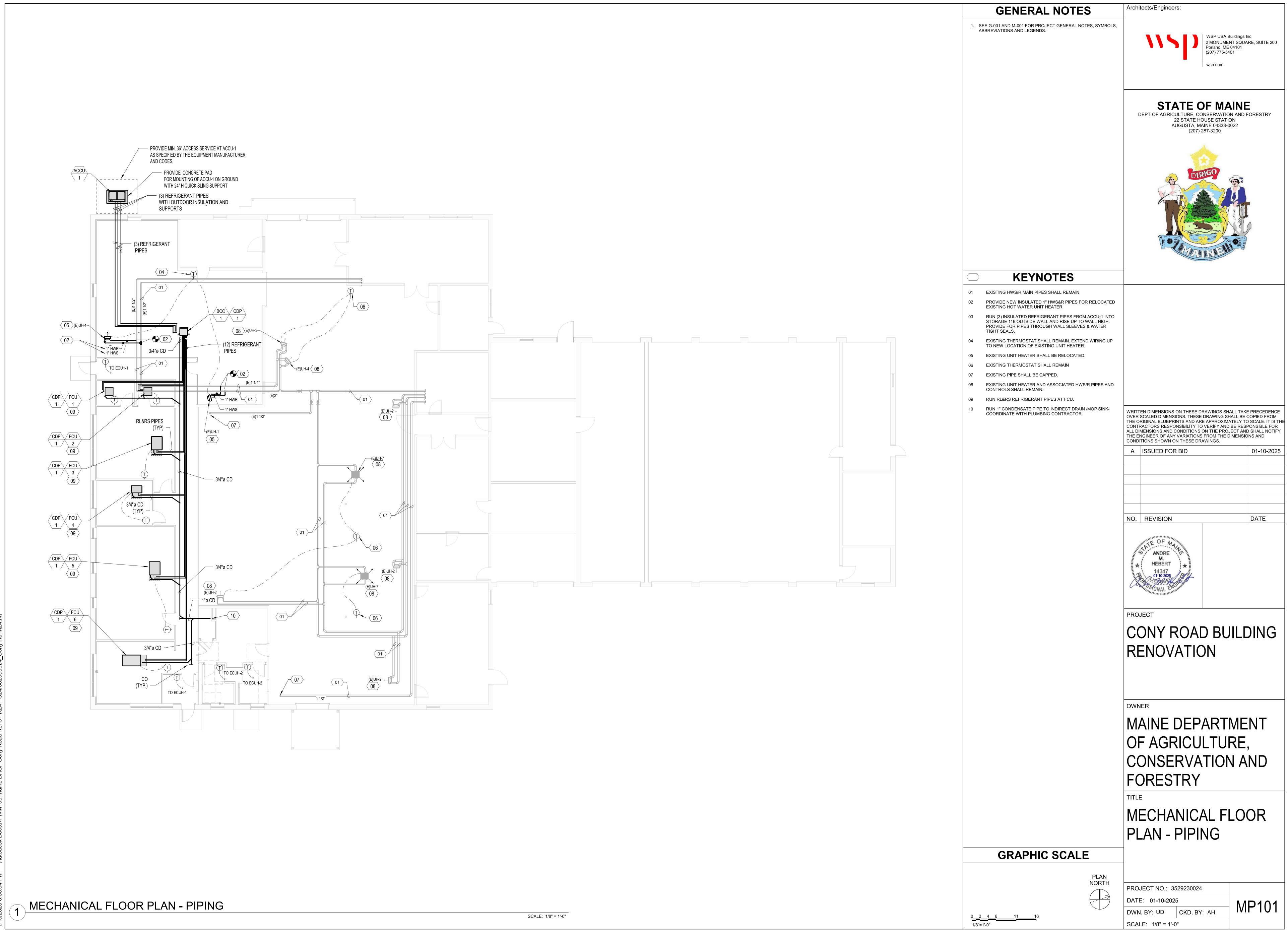


Architects/Engineers:

**GENERAL NOTES** 

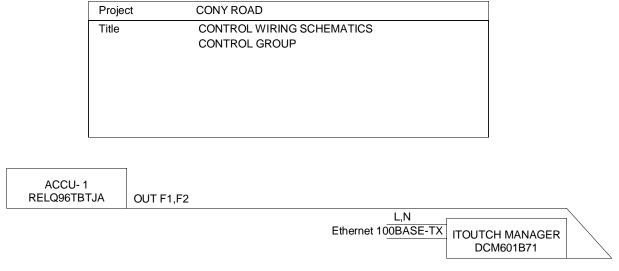
WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS. THESE DRAWING SHALL BE COPIED FROM ALL DIMENSIONS AND CONDITIONS ON THE PROJECT AND SHALL NOTIFY

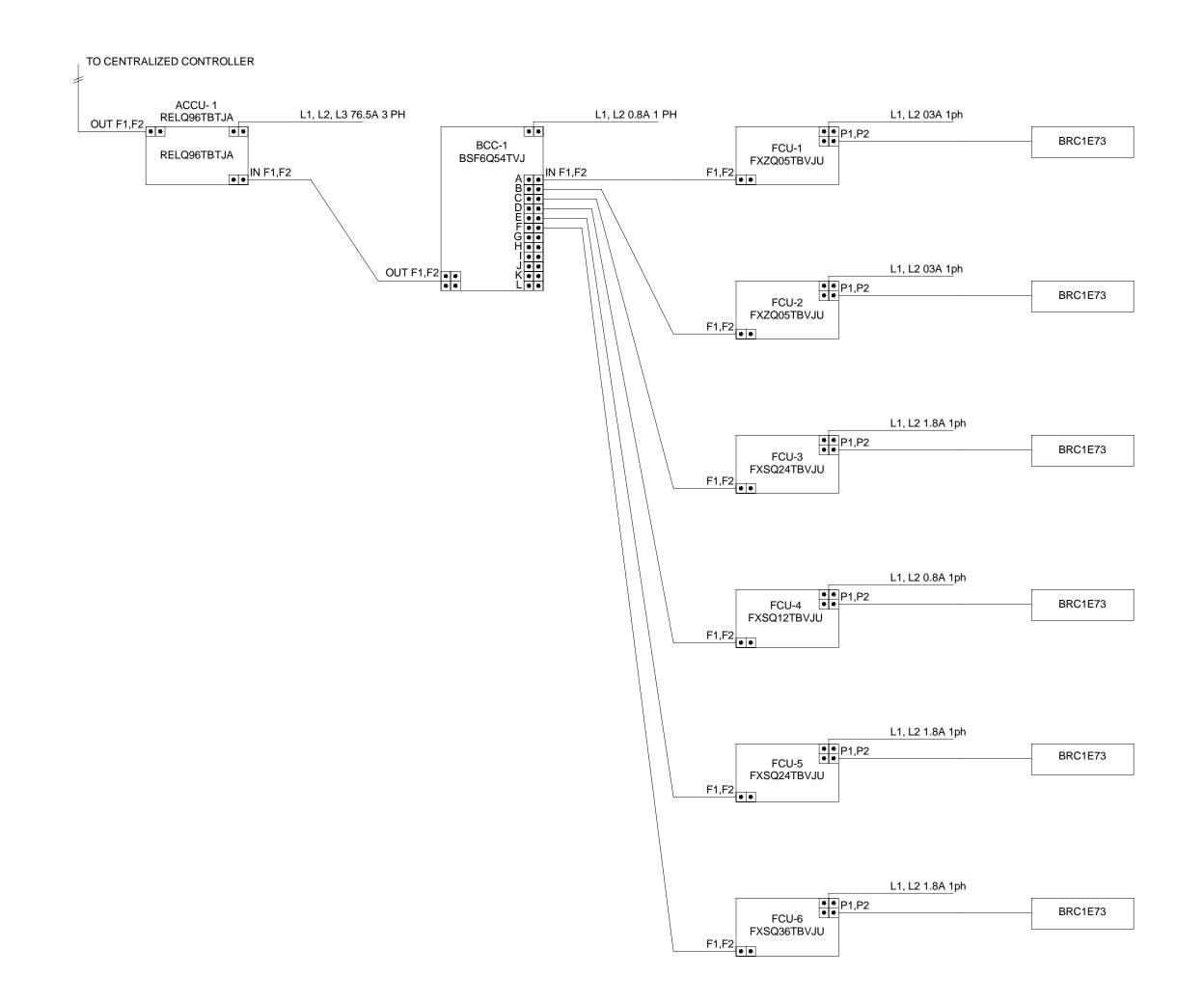
01-10-2025

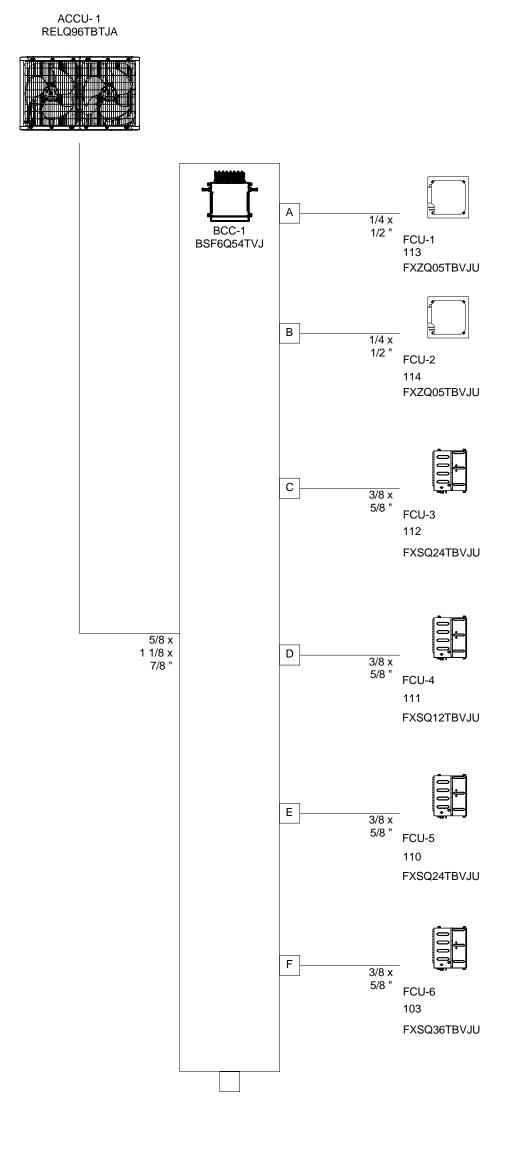


CONY ROAD WIRING DIAGRAM SCHEMATICS AIR COOLED HEAT RECOVERY

CONY ROAD PIPING DIAGRAM SCHEMATICS AIR COOLED HEAT RECOVERY







Architects/Engineers: 2 MONUMENT SQUARE, SUITE 200 Porland, ME 04101 (207) 775-5401 wsp.com

> STATE OF MAINE DEPT OF AGRICULTURE, CONSERVATION AND FORESTRY 22 STATE HOUSE STATION AUGUSTA, MAINE 04333-0022 (207) 287-3200



WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS. THESE DRAWING SHALL BE COPIED FROM THE ORIGINAL BLUEPRINTS AND ARE APPROXIMATELY TO SCALE. IT IS THE ALL DIMENSIONS AND CONDITIONS ON THE PROJECT AND SHALL NOTIFY THE ENGINEER OF ANY VARIATIONS FROM THE DIMENSIONS AND CONDITIONS SHOWN ON THESE DRAWINGS.

Α	ISSUED FOR BID	01-10-2025
NO.	REVISION	DATE
AMILITATION IN THE PARTY OF THE	S ANDRE HEBERT	

PROJECT

CONY ROAD BUILDING RENOVATION

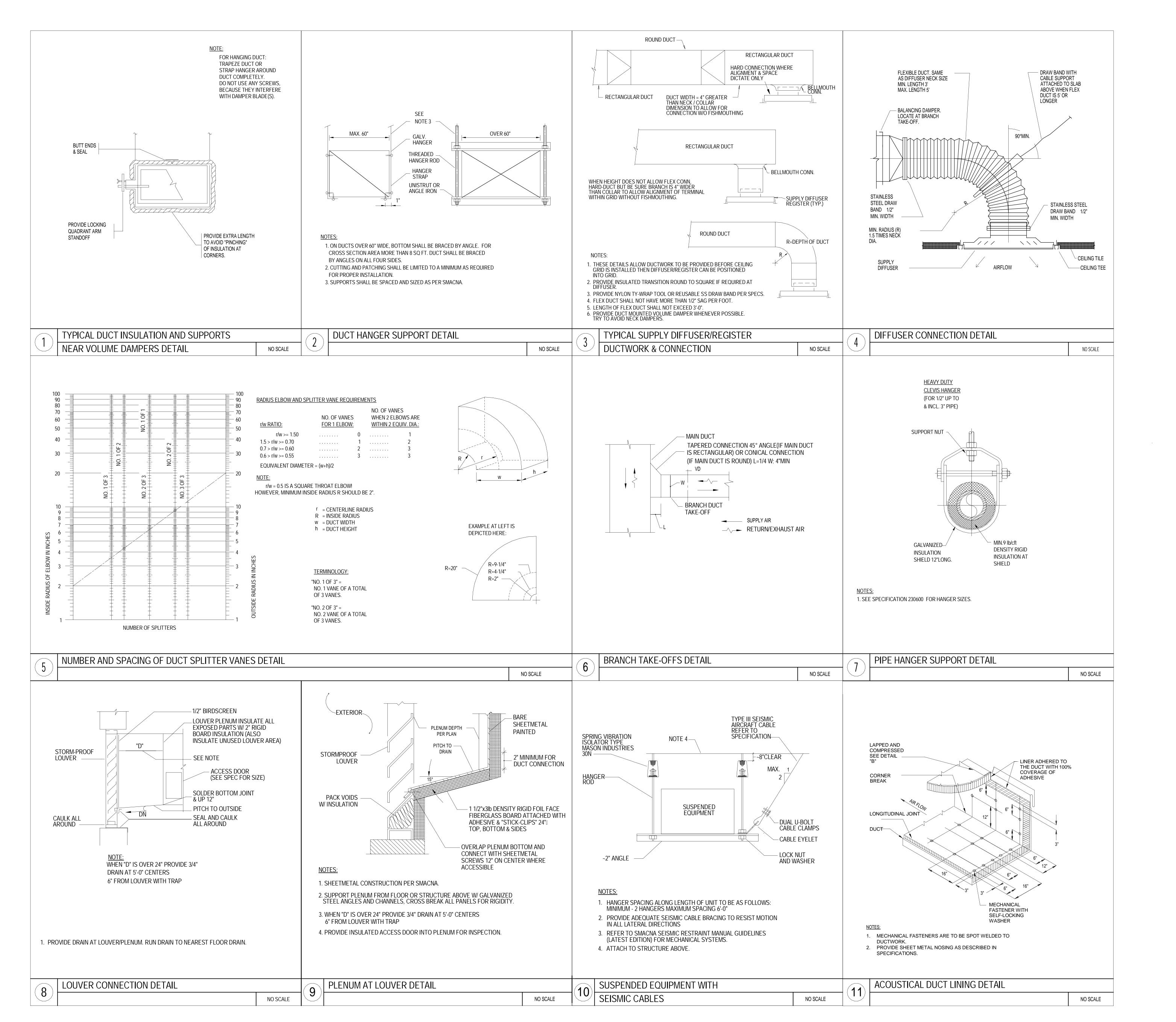
MAINE DEPARTMENT OF AGRICULTURE, CONSERVATION AND FORESTRY

SCALE: NTS

MECHANICAL PIPING DIAGRAMS

PROJECT NO.: 3529230024 DATE: 01-10-2025

DWN. BY: UD CKD. BY: AH



Architects/Engineers:

WSP USA Buildings Inc
2 MONUMENT SQUARE, SUITE 200
Porland, ME 04101
(207) 775-5401
wsp.com

STATE OF MAINE

DEPT OF AGRICULTURE, CONSERVATION AND FORESTRY

22 STATE HOUSE STATION

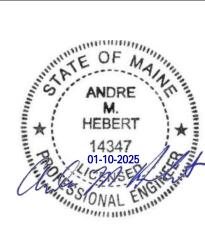
AUGUSTA, MAINE 04333-0022

(207) 287-3200



WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS. THESE DRAWING SHALL BE COPIED FROM THE ORIGINAL BLUEPRINTS AND ARE APPROXIMATELY TO SCALE. IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE PROJECT AND SHALL NOTIFY THE ENGINEER OF ANY VARIATIONS FROM THE DIMENSIONS AND CONDITIONS SHOWN ON THESE DRAWINGS.

Α	ISSUED FOR BID	01-10-202
NO.	REVISION	DATE
	animinaning,	



PROJECT

CONY ROAD BUILDING RENOVATION

OWNE

MAINE DEPARTMENT OF AGRICULTURE, CONSERVATION AND FORESTRY

TITLE

SCALE: NTS

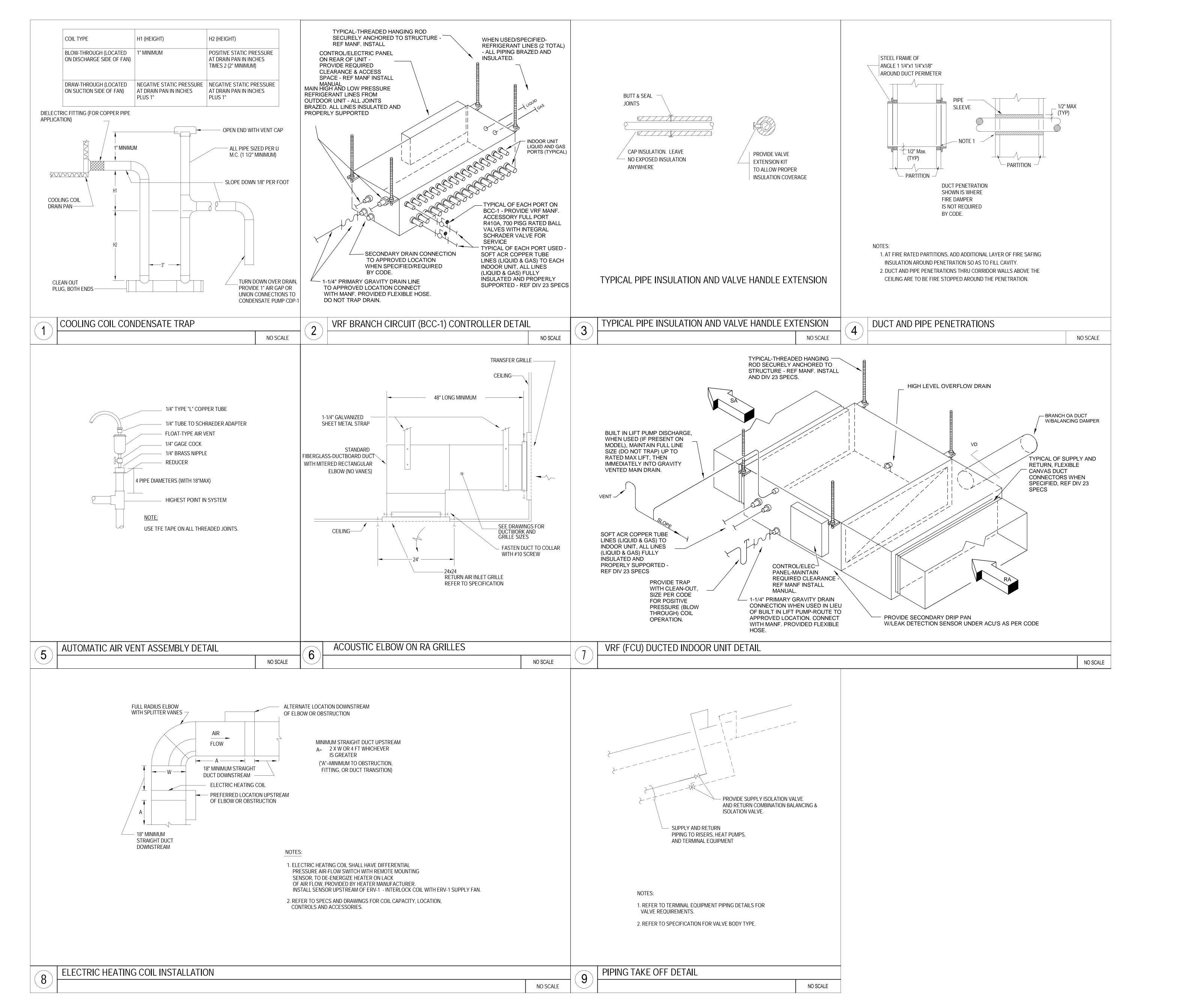
MECHANICAL DETAILS

PROJECT NO.: 3529230024

DATE: 01-10-2025

DWN. BY: UD CKD. BY: AH

M-501



Architects/Engineers:

WSP USA Buildings Inc
2 MONUMENT SQUARE, SUITE 200
Porland, ME 04101
(207) 775-5401
wsp.com

STATE OF MAINE

DEPT OF AGRICULTURE, CONSERVATION AND FORESTRY
22 STATE HOUSE STATION



WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS. THESE DRAWING SHALL BE COPIED FROM THE ORIGINAL BLUEPRINTS AND ARE APPROXIMATELY TO SCALE. IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE PROJECT AND SHALL NOTIFY THE ENGINEER OF ANY VARIATIONS FROM THE DIMENSIONS AND CONDITIONS SHOWN ON THESE DRAWINGS.

ISSUED FOR BID	01-10-202
REVISION	DATE
ANDRE M. HEBERT 14347 01-10-2025 01-10-2025	
	REVISION  OF MANAGEMENT  HEBERT

PROJECT

CONY ROAD BUILDING RENOVATION

OWNER

MAINE DEPARTMENT
OF AGRICULTURE,
CONSERVATION AND
FORESTRY

ITLE

SCALE: NTS

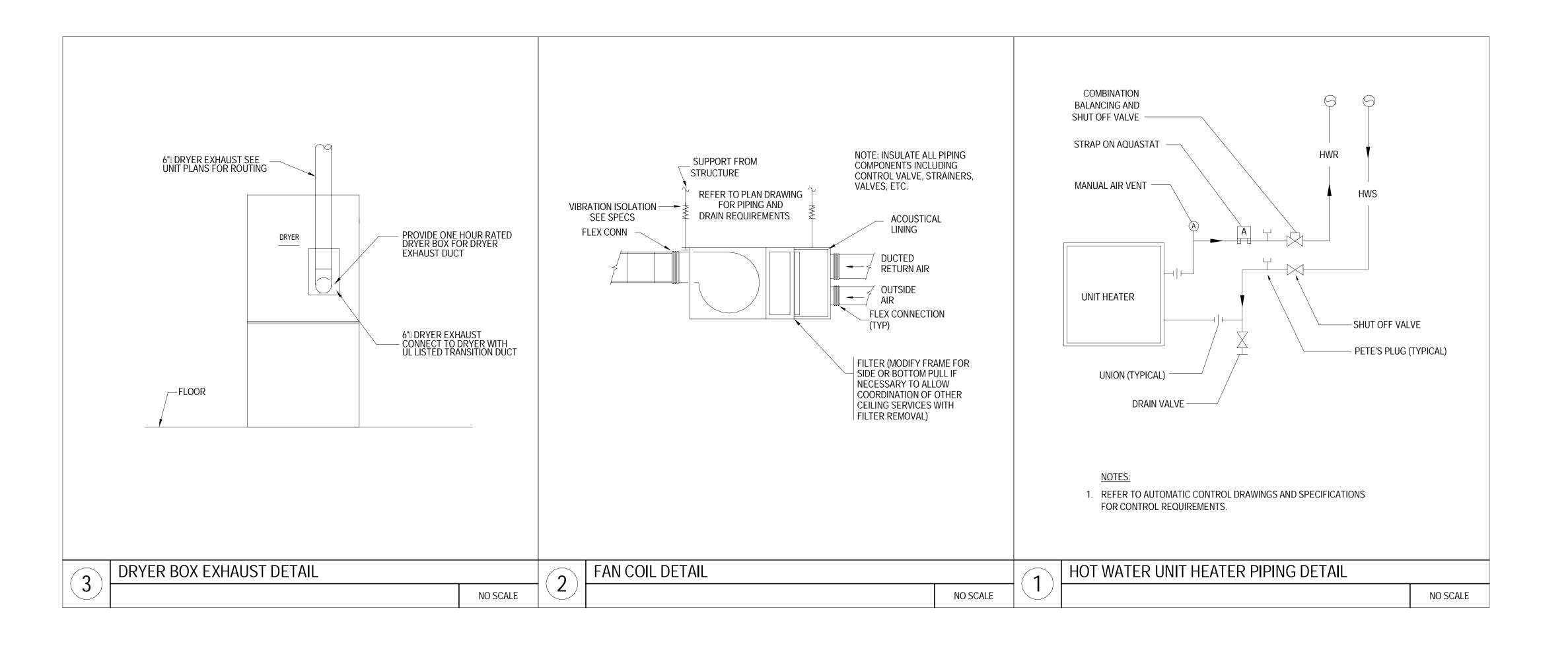
MECHANICAL DETAILS

PROJECT NO.: 3529230024

DATE: 01-10-2025

DWN. BY: UD CKD. BY: AH

M-502



Architects/Engineers: 2 MONUMENT SQUARE, SUITE 200 Porland, ME 04101 (207) 775-5401 wsp.com

> STATE OF MAINE DEPT OF AGRICULTURE, CONSERVATION AND FORESTRY 22 STATE HOUSE STATION AUGUSTA, MAINE 04333-0022 (207) 287-3200

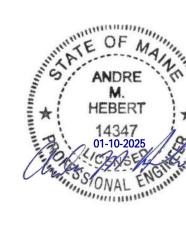


WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS. THESE DRAWING SHALL BE COPIED FROM THE ORIGINAL BLUEPRINTS AND ARE APPROXIMATELY TO SCALE. IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE PROJECT AND SHALL NOTIFY

	NGINEER OF ANY VARIATIONS FROM THE DIMENSIC TIONS SHOWN ON THESE DRAWINGS.	ONS AND
Α	ISSUED FOR BID	01-10-202

DATE

NO. REVISION



PROJECT

CONY ROAD BUILDING RENOVATION

MAINE DEPARTMENT OF AGRICULTURE, CONSERVATION AND FORESTRY

SCALE: NTS

MECHANICAL DETAILS

PROJECT NO.: 3529230024 DATE: 01-10-2025 DWN. BY: UD CKD. BY: AH

M-503

		AIR I	NLETS AN	D OUTLETS	SCHEDU	JLE				
DESIGNATION	MANUF. MODEL NUMBER	TYPE OF SERVICE	NECK SIZE (IN)	MOUNTING	FACE (IN)	CFM RANGE	THROW (FT)	NC AT MAX CFM	MAX PD (IN)	NOTES
A1	TITUS OMNI	SUPPLY	6"I/6x6	LAY-IN	24x24	0-100	7	<10	0.169	1
A2	TITUS OMNI	SUPPLY	8"I/8x8	LAY-IN	24x24	101-175	13	<10	0.169	1
А3	TITUS OMNI	SUPPLY	10x10	LAY-IN	24x24	220-350	14	<10	0.169	1
A4	TITUS OMNI	SUPPLY	12x12	LAY-IN	24x24	355-450	14	<10	0.169	1
<b>A</b> 5	TITUS OMNI	SUPPLY	15x15	LAY-IN	24x24	455-650	14	<10	0.169	1
A6	TITUS OMNI	SUPPLY	18x18	LAY-IN	24x24	655-780	14	<10	0.169	1
B1	TITUS OMNI	RETURN / EXHAUST	6x6	LAY-IN	24x24	0-100		<10	-0.169	1
B2	TITUS OMNI	RETURN / EXHAUST	8x8	LAY-IN	24x24	101-220		<10	-0.169	1
В3	TITUS OMNI	RETURN / EXHAUST	10x10	LAY-IN	24x24	220-350		<10	-0.169	1
B4	TITUS OMNI	RETURN / EXHAUST	15x15	LAY-IN	24x24	550-780		<10	-0.169	1
B5	TITUS OMNI	RETURN / EXHAUST	18x18	LAY-IN	24x24	550-780		<10	-0.169	1
C1	TITUS 350 RL	EXHAUST	6x6	CEILING	9x9	0-100		<10	-0.169	1,2, 3
C2	TITUS 350 RL	EXHAUST	9x9	CEILING	12x12	105-150		<10	-0.169	1,2, 3

NOTES:

1. DISCONNECTS SHALL BE FUSED TYPE.

4. PROVIDE WITH SIDE FILTERS ACCESS.

6. SA/EA FANS WILL BE WITH ECM.

2. PROVIDE WITH 2 SETS OF FILTERS, MERV-8 FOR EA AND MERV - 13 FOR OA.

3. PROVIDE WITH SINGLE POWER CONNECTION. COORDINATE POWER CONNECTIONS WITH ELECTRICAL CONTRACTOR.

5. PROVIDE WITH FROST PROTECTION, FILTER INDICATOR SWITCH, REMOTE CONTROL OPTION WITH TIME CLOCK AND OVERRIDE, MOTORIZED DAMPERS FOR OA/SA AND EXHAUST.

#### **GENERAL NOTES:**

A. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR SUPPLY/RETURN/EXHAUST TYPE MOUNTINGS (AT PLASTER OR HARD CEILINGS)

B. OPPOSED BLADE DAMPERS FOR FINAL BALANCING ONLY. VOLUME DAMPERS ARE REQUIRED AS INDICATED ON DRAWINGS.

ARCHITECT TO COORDINATE FRAME, BORDER, FINISH, MOUNTING AND COLORS.

PROVIDE WITH OBD. PROVIDE WITH ALUMINUM MATERIAL.

		C	CABINET U	JNIT HE	EATER S	CHEDU	LE (ELE	CTRIC)				ECUH
UNIT NO.	SERVICE	UNIT LOCATION	HEATING OUTPUT (KW)	CFM	AIR DATA E.A.T. DB (°F)	L.A.T. DB (°F)	BTU/HR	ELECTRICAL I VOLT/PHASE/HZ	ΤΟΤΛΙ	APPROX. WEIGHT (LBS)	MANUFACTURER MODEL NUMBER (AS STANDARD)	REMARKS
ECUH-1	SEE PLANS	CEILING RECESSED	5.0	300	60	102	17.1	208/3/60	18	27	QMARK CDF-RE-558	SEE NOTES 1 THRU 4
ECUH-2	SEE PLANS	CEILING RECESSED	3.0	300	60	102	10.2	208/3/60	14.4	27	QMARK CDF-RE-548	SEE NOTES 1 THRU 4

### NOTES:

- . PROVIDE RECESSED MOUNTING BRACKETS. 2. PROVIDE DISCONNECT SWITCH.
- 3. FINAL COLOR BY ARCHITECT.
- 4. UNIT SHALL BE FULLY RECESSED IN CEILING, WITH BOTTOM INLET & OUTLET.

											,	/RF SCH	IEDULE					
											II	NDOOR I	JNITS					
					OA AIR		COOLIN	IG DATA		HEATII	NG DATA	AIR	FAN		ELE	CTRICAL SERVICE		
UNIT NUMBER	ST	YLE	LOCA	NIT Ation	FLOW (CFM)	TOTAL MBH	SENSIBLE MBH		R TEMP WB(°F)	TOTAL MBH	INDOOR TEMI DB(°F)	FLOW (CFM)	ESP (IN WG)	SOUND (dBA) LOW/HIGH	VOLT/PHASE/HZ	MCA	MOCP	NET UNIT WEIGHT(LBS)
FCU-1	CEILING	CASSETTE	SEE PL	LANS	10	5.0	4.3	75	63	6.5	70	300		30/32	208/1/60	0.3	15	35
FCU-2	CEILING	CASSETTE	SEE PL	LANS	10	5.0	4.3	75	63	6.5	70	300		30/32	208/1/60	0.3	15	35
FCU-3	CEILING	G DUCTED	SEE PL	LANS	55	21.1	15.2	75	63	27.0	70	740	0.6	29/36	208/1/60	1.8	15	82
FCU-4	CEILING	G DUCTED	SEE PL	LANS	35	10.5	8.4	75	63	13.5	70	340	0.6	30/34	208/1/60	0.8	15	55
FCU-5	CEILING	S DUCTED	SEE PL	LANS	200	21.1	15.2	75	63	27.0	70	740	0.6	29/36	208/1/60	1.8	15	82
FCU-6	CEILING	G DUCTED	SEE PL	LANS	450	31.7	22.7	75	63	40.0	70	1130	0.6	32/39	208/1/60	2.5	15	101
											C	UTDOO	R UNIT					
LINIT		11807			AHRI RATINGS				COOLING			HEATING D	ATA	COMPRESSOR	?	ELECTRICAL SER\	/ICE (PER M	ODULE) BASIS (
UNIT	SERVICE	UNIT		rrn.	IEED COD	TOTAL	TOTAL	CORRECT	ED INDO	OOR TEMP	OUTDOOR	TOTAL MI	DII TVD	NO.	DEEDICEDANIT	VOLT/DUACE/UZ	, NACA	DECIC

1				7 11 11 11 11 11	111100			00	OLINO D	/ \   / \		TIE/TING D/TI/	·	OOM RESSOR		LLLC INIOAL SLIVIC	/L (I LIV I	VIODULL	DACIC OF	NIET LINUT	
UNIT NUMBER	SERVICE	UNIT LOCATION	EER	IEER	СОР	TOTAL TON	TOTAL (	CORRECTED MBH		R TEMP WB(°F)	OUTDOOR TEMP (°F)	TOTAL MBH	TYPE	NO. (PER MODULE)	REFRIGERANT	VOLT/PHASE/HZ	MCA	МОСР	BASIS OF DESIGN	NET UNIT WEIGHT(LBS)	REMARKS
ACCU-1	SEE PLANS	SEE PLANS	11	18.5	3.5	8	96	89.2	75	63	95	108	DCI	2	R410A	208/3/60	76.5	80	DAIKIN AUROIRA HR RELQ96TBTJA	794	NOTES 1 - 9, 11, 13-15

RECOVERY CORE

						HEAT REC	COVERY BRA	NCH CIRCUIT (	CONTROLLER BO	OX					ВСС
			PHYSICAL	CHARACTERISTICS		TOTAL	PER PORT		ELECTRICAL S	ERVICE			MANUFACTURER		
UNIT NUMBER	SERVICE	UNIT LOCATION	INSTALLED UNIT WEIGHT(LBS)	W"xH"xD"	NUMBER OF PORTS	CONNECTED CAPACITY (MBH)	CONNECTED CAPACITY (MBH)	VOLT/PHASE/HZ	MAX BRANCH INPUT POWER (KW)	MCA	MOP	REFRIGERANT TYPE	MODEL NUMBER (AS STANDARD)	REMARKS	
BCC-1	SEE PLANS	SEE PLANS	73	23.4 x 9.5 x 23.8	6	101.4	16.8	208/1/60	-	0.6	15	R410	DAIKIN BSF6Q54TVJ	NOTES 1 - 9, 11-12	

INDOOR AND OUTDOOR UNIT SHALL BE THE SAME MANUFACTURER.

REFER TO ELECTRICAL DRAWINGS FOR ELECTRICAL REQUIREMENTS. COORDINATE MOUNTING OF INDOOR UNIT WITH ARCHITECT.

PROVIDE WITH BOTTOM REPLACEMENT FILTER.

- REFRIGERANT SHALL BE R410A. PROVIDE DISCONNECT.
- PROVIDE LOW VOLTAGE COMMUNICATION LINE BETWEEN OUTDOOR UNIT AND INDOOR UNITS (BY ATC CONTRACTOR). PROVIDE WITH WALL MOUNTED CONTROLLER WITH REMOTE CONTROLS ADAPTOR FOR INTEGRATION INTO FACILITY BAS.
- REFRIGERANT LINES SIZED PER MANUFACTURERS RECOMMEDATIONS. PROVIDE LOW & HIGH TEMP ALARMS. PROVIDE WITH CONDENSATE PUMP, AND MOISTURE SENSOR WITH ALARM TO BMS.
- 11. COOLING BASED ON AMBIENT TEMPERATURE OF 95°F.
- 12. PROVIDE WITH SINGLE POINT POWER CONNECTION THROUGH CONDENSING UNIT. 13. MOUNT UNIT OM SNOW STAND WITH OPEN BASE MODEL QUICK SLING OR EQUAL WITH
- MINIMUM 18" HEIGHT. PROVIDE CONCRETE PAD TO MOUNT SUPPORT LEGS. 14. PROVIDE PANEL HEATERS.
- 15. PROVIDE WITH LOW AMBIENT HOOD WITH ACD DAMPER.
- 16. PROVIDE WITH LOW AMBIENT KIT.

					El	LECTRIC	REHE	AT CC	OIL SC	HEDU	ILE								EDC
UNIT	SERVICE	LOCATION	HEATING	TYPE	INPUT	OUTPUT	AIR TEN	MP(°F)	DUCT	SIZE	PD	# OF	DISCONNECT	ELEC	C SERVIC	E	INTER-	MANUFACTURER MODEL NUMBER	NOTES
NO.	3232		CFM		KW	MBH	ENT	LVG	W(IN)	H(IN)	(IN WG)	STEPS		VOLTS	PHASE	HZ	LOCK	(AS STANDARD)	
EDC-1	ERV -1/OA DUCT	STORAGE116	760	SLIP-IN	2.9	9.8	-3	15	16	10	<0.5"	SCR	LOCAL	208	3	60	ERV-1	INDEECO QUA	1,2,3,4,5
NOTES					DDOMDE		4ATIO TI II			•					<u>'</u>				

WINTER DATA

DB(°F)

SUMMER DATA

SUPPLY EAT SUPPLY LAT EXHAUST EAT SUPPLY EAT SUPPLY LAT EXHAUST EAT EXHAUST LAT

 $|DB(^{\circ}F)|WB(^{\circ}F)|DB(^{\circ}F)|WB(^{\circ}F)|DB(^{\circ}F)|WB(^{\circ}F)|WB(^{\circ}F)|WB(^{\circ}F)$ 

BASIS OF

DESIGN

FXZQ05TAVJU

FXZQ05TAVJU DAIKIN

FXSQ24TBVJU DAIKIN

FXSQ12TBVJU DAIKIN

FXSQ24TBVJU

FXSQ36TBVJU

PROVIDE WITH AIRFLOW SWITCH POSITIVE.

- 3. PROVIDE WITH AUTOMATIC THERMAL CUTOUT.
- 4. PROVIDE MAGNETIC DISCONNECT SWITCH. PROVIDE WITH CONTROL CIRCUIT TRANSFORMER. 5. ALL COILS TO BE INSTALLED WITH A MINIMUM OF 36" SERVICE CLEARANCE.

			CC	NDENS	SATE DRAII	NAGE	PUMP								CDP
UNIT NUMBER	LOCATION	SYSTEM SERVED	GPH	P.D.	TANK CAPACITY GAL.	AMPS	WATTS	HP	RPM	PSI	VOLT	PHASE	Hz	MANUFACTURER MODEL NUMBER (AS STANDARD)	NOTE
CDP-1         SEE FLOOR PLANS         SEE FLOOR PLANS         50         1.0         0.5         1.0         60         1/50         1750         6.5         115         1         60         LITTLE GIANT VCM-15ULS         1-3												1-3			

- I. MANUFACTURER OF CONDENSING UNIT TO PROVIDE PUMP, WIRED THROUGH PANEL FOR FCUs & BCC-1 UNIT.
- 2. PROVIDE 6'-0" POWER WIRING IN METAL CONDUIT SUITABLE FOR HARD WIRING CONNECTION ABOVE CEILING.
- B. PROVIDE WITH REMOTE DETECTION UNIT FITTED WITH A 3 LEVEL FLOAT (ON/OFF/ALARM). THE ALARM CONTACT (N/C) AUTOMATICALLY CUTS OFF THE UNIT CONTROL LOW VOLTAGE OR A SOLENOID VALVE. COORDINATE WIRING REQUIREMENTS WITH ATC CONTRACTOR AND FCUs & BCC-1 UNIT MANUFACTURER.

Architects/Engineers: | WSP USA Buildings Inc 2 MONUMENT SQUARE, SUITE 200 Porland, ME 04101 (207) 775-5401 wsp.com

> STATE OF MAINE DEPT OF AGRICULTURE, CONSERVATION AND FORESTRY 22 STATE HOUSE STATION AUGUSTA, MAINE 04333-0022

NOTES

REMARKS

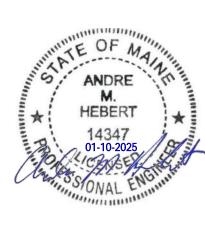
NOTES 1 - 11

75 | 63 | 83 | 67 | NOTES 1,2,3,4,5,6



WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS. THESE DRAWING SHALL BE COPIED FROM THE ORIGINAL BLUEPRINTS AND ARE APPROXIMATELY TO SCALE. IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE PROJECT AND SHALL NOTIFY THE ENGINEER OF ANY VARIATIONS FROM THE DIMENSIONS AND CONDITIONS SHOWN ON THESE DRAWINGS.

	110110 0110 1111 011 111202 011	
Α	ISSUED FOR BID	01-10-202
NO.	REVISION	DATE



PROJECT

CONY ROAD BUILDING RENOVATION

MAINE DEPARTMENT OF AGRICULTURE, CONSERVATION AND FORESTRY

SCALE: NTS

MECHANICAL SCHEDULES

PROJECT NO.: 3529230024 DATE: 01-10-2025

M-601 DWN. BY: UD CKD. BY: AH

PARALLEL BLADE DAMPER W/ TWO POSITION ACTUATOR

W/ MODULATING ACTUATOR

AUTOMATIC CONTROL VALVE.

MODULATING ACTUATOR

TWO POSITION ACTUATOR THREE WAY AUTOMATIC CONTROL VALVE,

MODULATING ACTUATOR

TWO POSITION ACTUATOR

ELECTRIC WIRING INTERFACE/INTERLOCK.

HAND-OFF-AUTOMATIC CONTROL STATION

THREE WAY AUTOMATIC CONTROL VALVE,

AUTOMATIC CONTROL VALVE,

SEE DIVISION 16 DWGS

HOA REFER TO DIVISION 16 DWGS

#### **CONTROL SYSTEM NOTES**

## CONTROL SYSTEM SHALL BE AN OPEN ARCHITECTURE MICROPROCESSOR-BASED DISTRIBUTED CONTROL SYSTEM. THE SYSTEM ARCHITECTURE INDICATED IS DIAGRAMMATIC AND IS INTENDED TO QUALIFY THE FUNCTIONALITY OF THE SYSTEM INCLUDING DATA FLOW, SYSTEM DEVICES, AND COMMUNICATION MEDIA; IT IS NOT INTENDED TO DEPICT OR LIMIT SYSTEM TOPOLOGY OR QUANTIFY DEVICES. PROVIDE A FULLY FUNCTIONAL SYSTEM INCLUDING, BUT NOT LIMITED, TO THE COMPONENTS SHOWN HERE.

- UNLESS INDICATED OTHERWISE, ALL LOCALLY CONTROLLED SETPOINTS, OPERATING SCHEDULES, AND ADJUSTABLE CONTROL
  POINTS SHALL BE ACCESSIBLE AND ADJUSTABLE FROM THE OPERATOR WORKSTATION AND THROUGH EACH LOCALLY
  MOUNTED CONTROLLER.
- 3. PROVIDE ALL CABLE AND WIRING BETWEEN OPERATOR WORKSTATIONS AND PERIPHERAL DEVICES FOR FULLY FUNCTIONAL OPERATOR WORKSTATIONS.
- 4. PROVIDE ALL SOFTWARE, HARDWARE & GRAPHICS REQUIRED TO ACCEPT NEW POINTS & SYSTEMS ASSOCIATED WITH THE
- 5. MOUNT ALL EQUIPMENT CONTROLLERS FURNISHED BUT NOT INSTALLED BY HVAC EQUIPMENT MANUFACTURERS IN ACCORDANCE WITH EQUIPMENT MANUFACTURER'S RECOMMENDATIONS.
- 6. PROVIDE ALL INTERCONNECTING WIRING BETWEEN PACKAGED CONTROL SYSTEMS AND CONTROL SYSTEM.
- 7. UNLESS INDICATED OTHERWISE, ALL <u>INDOOR</u> EQUIPMENT CONTROLLERS NOT PROVIDED BY HVAC EQUIPMENT MANUFACTURERS SHALL BE MOUNTED ON OR NEAR THE EQUIPMENT IN WHICH THEY SERVE.
- 8. UNLESS INDICATED OTHERWISE, ALL <u>OUTDOOR</u> EQUIPMENT CONTROLLERS NOT INSTALLED BY THE HVAC EQUIPMENT MANUFACTURERS SHALL BE MOUNTED AT THE NEAREST INDOOR, SECURE, AND ACCESSIBLE LOCATION OR BE HOUSED IN A WEATHERPROOF NEMA ENCLOSURE MOUNTED ON THE OUTDOOR EQUIPMENT.
- 9. COORDINATE LOCATIONS OF DISTRIBUTED POINT PANELS AND DATA MANAGERS WITH THE OWNER'S REPRESENTATIVE PRIOR TO
- 10. CONTROL SYSTEM SHALL BE EXPANDABLE WITHOUT HAVING TO PHYSICALLY RECONFIGURE THE NETWORK.
- 11. PROVIDE SECURE ACCESS TO BUILDING CONTROL SYSTEM TO PREVENT UNAUTHORIZED USERS FROM ENTERING THE SYSTEM THROUGH THE COMMON LOCAL AREA NETWORK. SECURITY SHALL INCLUDE BUT NOT BE LIMITED TO SUCH DEVICES AS "FIRE
- 9. WEB BROWSER OPERATOR TERMINAL WITH GRAPHIC USER INTERFACE (GUI)
- 10. ENSURE THAT THE BUIDING SECURITY OFFICE CAN MONITOR ALL SPECIFIED CRITICAL ALARMS.
- 11. PROVIDE FIBEROPTIC & HUBS AS REQUIRED.

SEQUENCE OF CONTROLS - GENERAL

- 1. UNLESS OTHERWISE NOTED, ALL CONTROLS SHALL BE DIRECT DIGITAL TYPE (DDC)
- 2. AS A MINIMUM, ONE DDCFP SHALL BE PROVIDED.
- 3. ALL SETPOINTS INDICATED IN THE SEQUENCES SHALL BE ADJUSTABLE AT THE COMPUTER WORKSTATION AND VIA A LAPTOP COMPUTER CONNECTED TO ANY DDCFP.
- 4. SOFTWARE COMMUNICATION SHALL BE REQUIRED BETWEEN THE BUILDING MANAGEMENT SYSTEM (BMS) AND EQUIPMENT MANUFACTURERS PACKAGED CONTROL SYSTEMS WHERE INDICATED.
- 5 ALL COMMON INFORMATION (OUTSIDE AIR TEMP & HUMIDITY, ETC.) SHALL BE MEASURED AND COMMUNICATED IN AT LEAST 3 LOCATIONS.
- 6. ALL SEQUENCES SHALL BE PERFORMED BY THE DDCFP AND MONITORED BY THE (BMS). 7. UNLESS NOTED OTHERWISE THE FOLLOWING SHALL BE INITIAL SPACE TEMPERATURE SETPOINTS (ADJ.) (REFER TO INDIVIDUAL SEQUENCES FOR VARIABLE SETPOINTS): FOCUS, OPEN OFFICE, HUDDLE, PFAS LAB, BREAK/HUDDLE

UNOCCUPIED COOLING: 85 DEGREES F OCCUPIED: 6:00 AM TO 6:00 PM MONDAY THROUGH SUNDAY UNOCCUPIED: ALL OTHER TIME PERIODS

- ALL EQUIPMENT CONTROLLED BY THE BMS SHALL BE CAPABLE OF MANUAL OPERATION THROUGH HAND-OFF-AUTOMATIC (HOA) SWITCHES LOCATED IN THE MOTOR STARTERS.
  THE POSITIONING OF ALL VALVES CONTROLLED BY THE BMS SHALL BE CAPABLE OF MANUAL POSITIONING (OPEN, CLOSED, MODULATED, AUTO) VIA LABELED POTENTIOMETERS
  AND SWITCHES PROVIDED BY THE BMS CONTRACTOR. SAFETY DEVICES SHALL FUNCTION AND SHUT DOWN THE ASSOCIATED EQUIPMENT WHEN THE MANUAL SWITCHES ARE IN
- 9. PROVIDE COMMUNICATIONS INTERFACE (INCLUDING NECESSARY SOFTWARE) BETWEEN THE BMS AND EACH MANUFACTURER SUPPLIED CONTROL PANEL SPECIFIED. BMS SHALL BE CAPABLE OF READING AND DISPLAYING ALL DATA USED BY THE MANUFACTURER'S CONTROL PANEL. SOFTWARE INTERFACE SHALL BE THROUGH LONMARK/BACNET/MOD BUS COMPLIANT PROTOCOL. WHERE THE BAS IS REQUIRED TO CONTROL THE OPERATION OF THE EQUIPMENT, PROVIDE INPUT AND OUTPUT INTERFACE AS REQUIRED. 10. PROVIDE ADEQUATE DAMPING OF ALL MODULATING CONTROL LOOPS TO PREVENT HUNTING. MAXIMUM RESPONSE TIME SHALL BE 30 SECONDS.
- 11. WHENEVER A UNIT IS SHUT DOWN BECAUSE OF ONE OF IT'S SAFETIES, THE BMS SHALL RETAIN IN MEMORY THE READING AND SETPOINT OF EACH ASSOCIATED DEVICE TO HELP THE OPERATOR IN ISOLATING THE CAUSE OF THE SHUT DOWN.
- 12. WHENEVER AN ALARM IS INITIATED, THE BMS SHALL RETAIN IN MEMORY THE READING AND SETPOINT OF EACH ASSOCIATED DEVICE TO HELP THE OPERATOR IN ISOLATING THE CAUSE OF THE ALARM.
- 13. IF ANY DDCFP OR EQUIPMENT MANUFACTURER'S CONTROL PANEL LOSES COMMUNICATION WITH THE BMS NETWORK, AN ALARM SHALL BE INITIATED AT THE BMS INDICATING THE
- 14. PROVIDE ADJUSTABLE FLOW RATE RESTRICTORS ON THE EXHAUST PORT AND PRESSURE PORT OF EACH E/P RELAY AND E/P OR I/P TRANSDUCERS.
- 15. EACH SEQUENCE WITH A DEFINED OCCUPIED PERIOD SHALL HAVE THE PERIOD ADJUSTABLE GLOBALLY (SO THAT ALL CAN BE ON THE SAME TIME FRAME) AND INDIVIDUALLY (SO THAT ANY ONE OPERATION CAN HAVE A DIFFERENT OCCUPIED PERIOD).
- 16. ALL DDC FIELD PANELS (DDCFPS) SHALL BE CAPABLE OF INDEPENDENT OPERATION REGARDLESS OF THE STATUS OF THE BUILDING MANAGEMENT SYSTEM (BMS).

#### P.& I.D. IDENTIFICATION LETTERS FIRST -LETTER SUCCEEDING-LETTERS MEASURED OR MODIFIER MODIFIER FUNCTION PASSIVE FUNCTION INITIATING VARIABLE ANALYSIS ALARM BURNER, COMBUSTION USER'S CHOICE CONTROL (NOT USED HERE) **ÚSER'S CHOICE** DIFFERENTIAL (NOT USED HERE) SENSOR (PRIMARY ELEMENT) VOLTAGE FLOW RATE RATIO (FRACTION) USER'S CHOICE GLASS, VIEWING DEVICE (NOT USED HERE) HAND HIGH CURRENT (ELECTRICAL) INDICATE POWER TIME RATE OF CONTROL STATION TIME, TIME SCHEDULE LOW LEVEL LIGHT MOISTURE MOMENTARY MIDDLE, INTERMEDIATE USER'S CHOICE USER'S CHOICE USER'S CHOICE **USER'S CHOICE** (NOT USED HERE) (NOT USED HERE) (NOT USED HERE) (NOT USED HERE) **USER'S CHOICE** ORIFICE, RESTRICTION PRESSURE, VACUUM POINT (TEST) CONNECTION INTEGRATE, TOTALIZE RADIATION RECORD SAFETY **SWITCH** SPEED (VELOCITY) TEMPERATURE TRANSMIT MULTIFUNCTION MULTIFUNCTION MULTIFUNCTION MULTIVARIABLE VALVE, DAMPER, LOUVER VIBRATION WEIGHT, FORCE WELL SMOKE X AXIS RELAY, COMPUTE, CONVERT Y AXIS EVENT, STATE OR PRESENCE

Z AXIS

POSITION, DIMENSION

GENERAL INSTRUMENT/ FUNCTION SYMBOLS

MOUNTED MODIFIER SYMBOLS AND DESCRIPTIONS SHOWN BELOW: DEVICE (NON-VALIDATED) △ DIFFERENTIAL F(x) CHARACTERIZED Ω PULSE I/O X = ANALOG(A) OR DIGITAL(D)X MULTIPLIER | REPEAT OR BOOST Y = OUTPUT(O) OR INPUT(I)÷ DIVIDE > SELECT HIGHEST SIGNAL  $\sqrt{\phantom{a}}$  SQUARE ROOT < SELECT LOWEST SIGNAL Ā AVERAGE REAR OF PANEL OC OPEN/CLOSE MOUNTED OO ON/OFF DEVICE SS START/STOP AUTO AUTO MOUNTED 1 PROVIDED AND INSTALLED BY UNIT MANUFACTURER. DEVICE PROVIDED BY MANUFACTURER, INSTALLED BY CONTRACTOR. REAR OF PANEL MOTOR BY LSS/FIRE ALARM CONTRACTOR. CONTROL CENTER MOUNTED DEVICE MOTOR CONTROL CENTER MOUNTED DEVICE INSTRUMENT IDENTIFICATION SYMBOL BMS SHARED CONTROL & DATA OR SETPOINT AQUISITION SYSTEM FUNCTION ✓ ## → DEVICE NUMBER HARDWIRED INTERLOCK RELAY LOGIC

**PROCESS** 

ELECTRIC

DATA LINK SIGNAL

\_\_\_\_\_\_

SIGNAL

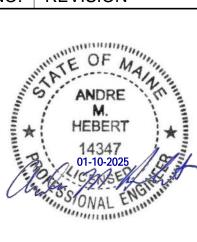
CONNECTION

SOFTWARE INTERLOCK LOGIC

O COMMUNICATION PORT

WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS. THESE DRAWING SHALL BE COPIED FROM THE ORIGINAL BLUEPRINTS AND ARE APPROXIMATELY TO SCALE, IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE PROJECT AND SHALL NOTIFY THE ENGINEER OF ANY VARIATIONS FROM THE DIMENSIONS AND CONDITIONS SHOWN ON THESE DRAWINGS.

Α	ISSUED FOR BID	01-10-20
NO.	REVISION	DATE



Architects/Engineers:

WSP USA Buildings Inc

Porland, ME 04101 (207) 775-5401

wsp.com

STATE OF MAINE

DEPT OF AGRICULTURE, CONSERVATION AND FORESTRY

22 STATE HOUSE STATION

AUGUSTA, MAINE 04333-0022 (207) 287-3200

2 MONUMENT SQUARE, SUITE 200

**PROJECT** 

CONY ROAD BUILDING RENOVATION

MAINE DEPARTMENT OF AGRICULTURE, CONSERVATION AND

SCALE: NTS

MECHANICAL CONTROL LEGENDS

PROJECT NO.: 3529230024 DATE: 01-10-2025 DWN. BY: UD CKD. BY: AH

D. VOLUME CONTROL:

FAN CFM OF 100 CFM (ADJ.).

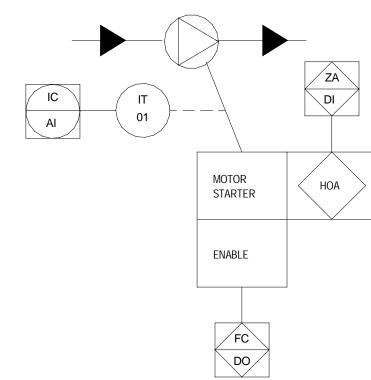
TO OPERATE AT MINIMUM SPEED (30% ADJ.).

1. UPON ERV ACTIVATION, BOTH THE SUPPLY AND RETURN FANS SHALL BE COMMANDED

2. ONCE FAN OPERATION HAS BEEN CONFIRMED, THE SUPPLY FAN SHALL BE RELEASED

TO MODULATE TO MAINTAIN THE SUPPLY DUCT STATIC PRESSURE (1.0" ADJ.) AS MEASURED BY THE PRESSURE SENSOR LOCATED APPROXIMATELY 2/3 OF THE WAY DOWN THE SUPPLY

PUMP# = PUMP EQUIPMENT TAG (UNIT NO.) AS SCHEDULED

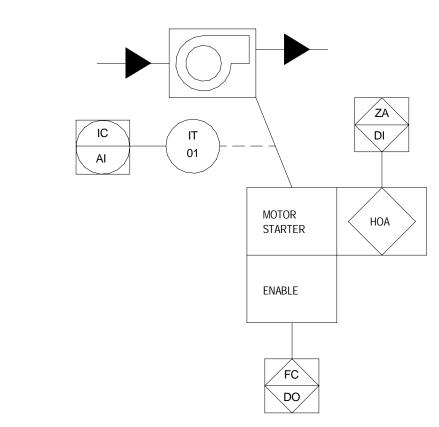


#### MOTOR STARTER CONTROL DIAGRAM - PUMPS

- 1. BCS SHALL ENABLE THE PUMP AS REQUIRED BY THE APPROPRIATE CONTROL SEQUENCE OF OPERATION.
- 2. PUMP OPERATION SHALL BE MONITORED BY THE CURRENT TRANSMITTER, IT-01
- 3. STARTER HOA SWITCH SHALL BE MONITORED FOR "NOT IN AUTOMATIC" POSITION.
- 4. ALARMS SHALL BE GENERATED FOR THE FOLLOWING:
  - a. FAN FAILURE IF IT-01 INDICATES LOW OR HIGH CURRENT AFTER BEING ENABLED FOR 5 MINUTES.
  - b. HOA SWITCH IS NOT IN AUTOMATIC.

MOTOR STARTER CONTROL DIAGRAM - PUMPS CONTROL DIAGRAM

#### FAN# = FAN EQUIPMENT TAG (UNIT NO.) AS SCHEDULED



- A. MOTOR STARTER CONTROL DIAGRAM CONSTANT SPEED FAN (TYPICAL)
- 1. BCS SHALL ENABLE THE FAN AS REQUIRED BY THE APPROPRIATE CONTROL SEQUENCE OF OPERATION.
- 2. FAN OPERATION SHALL BE MONITORED BY THE A CURRENT SENSOR, IT-01.
- 3. STARTER HOA SWITCH SHALL BE MONITORED FOR "NOT IN AUTOMATIC" POSITION.
- 4. ALARMS SHALL BE GENERATED FOR THE FOLLOWING:
- a. FAN FAILURE IF IT-01 INDICATES LOW OR HIGH AFTER BEING ENABLED FOR 5 MINUTES.
- b. HOA SWITCH IS NOT IN AUTOMATIC.

SEQUENCE OF OPERATIONS

CONTROLLERS.

1. EQUIPMENT SHALL BE PROVIDED WITH STAND ALONE TEMPERATURE

SETPOINT, THE REVERSE SHALL OCCUR.

1. WHEN SPACE TEMPERATURE DROPS BELOW 60°F (ADJ.) THE FAN SHALL ACTIVATE AND RUN CONTINUOUSLY AND ELECTRIC HEATING COIL SHALL BE ENERGIZED TO

MAINTAIN HEATING SETPOINT. UPON A RISE IN SPACE TEMPERATURE ABOVE

A. GENERAL

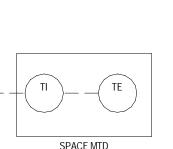
B. OPERATION

c. The fan amperage status, as sensed by IT-01, varies from Normal INDICATING A LOOSE OR BROKEN BELT, LOCKED DAMPER, ETC.

MOTOR STARTER CONTROL DIAGRAM - FANS CONTROL DIAGRAM

ZONE MOUNTED

TEMPERATURE SENSOR



**GENERAL NOTES:** 

1. TEMPERATURE SETTINGS SHALL BE AS OUTLINED IN THE "SEQUENCE OF CONTROLS - GENERAL" ON M07.00.

SEQUENCE OF OPERATIONS A. GENERAL

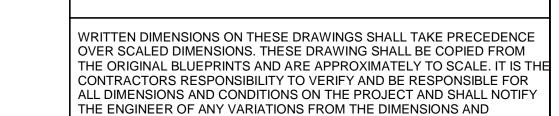
> 1. SPACE SUCH PROVIDED WITH STAND-ALONE MANUFACTURERS EQUIPMENT CONTROLLERS SHALL BE PROVIDED WITH SPACE TEMPERATURE SENSOR PROVIDING FEED BACK TO BMS. REFER TO PLANS FOR LOCATIONS OF DEVICES.

B. NORMAL MODE

1. THE SPACE MOUNTED TEMPERATURE SENSOR SHALL PROVIDE SPACE TEMPERATURE FEEDBACK AT 2.UPON A DROP IN SPACE TEMPERATURE BELOW SETPOINT OR A RISE IN SPACE TEMPERATURE

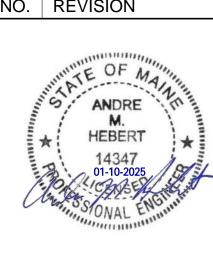
SETPOINT AND ALARM SHALL BE GENERATED AT THE

TYPICAL CABINET & UNIT HEATERS (ELECTRIC) REMOTE SPACE SENSOR



CONDITIONS SHOWN ON THESE DRAWINGS.

A ISSUED FOR BID 01-10-2025 DATE NO. REVISION



Architects/Engineers:

2 MONUMENT SQUARE, SUITE 200

Porland, ME 04101 (207) 775-5401

STATE OF MAINE DEPT OF AGRICULTURE, CONSERVATION AND FORESTRY 22 STATE HOUSE STATION AUGUSTA, MAINE 04333-0022 (207) 287-3200

PROJECT

CONY ROAD BUILDING RENOVATION

OWNER

MAINE DEPARTMENT OF AGRICULTURE, CONSERVATION AND

SCALE: NTS

MECHANICAL CONTROLS

PROJECT NO.: 3529230024

DATE: 01-10-2025 DWN. BY: UD CKD. BY: AH

SEQUENCE OF OPERATION

DOWN PERIODS.

B. NORMAL OPERATION

C. ALARMS

BUILDING MANAGEMENT SYSTEM (BMS).

AND EXHAUST DAMPERS SHALL BE CLOSED.

ALARM SHALL BE GENERATED AT THE BMS.

P&ID & SEQUENCE OF OPERATION

1. EQUIPMENT OPERATION SHALL BE ADJUSTABLE & MONITORED FROM THE NEW

3. THE ERV SHALL BE DEACTIVATED DURING UNOCCUPIED AND MORNING WARM UP/COOL

1. THE ERV SUPPLY AND EXHAUST FAN SHALL NORMALLY BE DEACTIVATED AND THE INTAKE

DAMPERS SHALL OPEN AND BE PROVEN OPEN BY THEIR RESPECTIVE END SWITCHES, AND

2. UPON THE ACTIVATION OF THE SYSTEM THE ERV SUPPLY AND EXHAUST ISOLATION

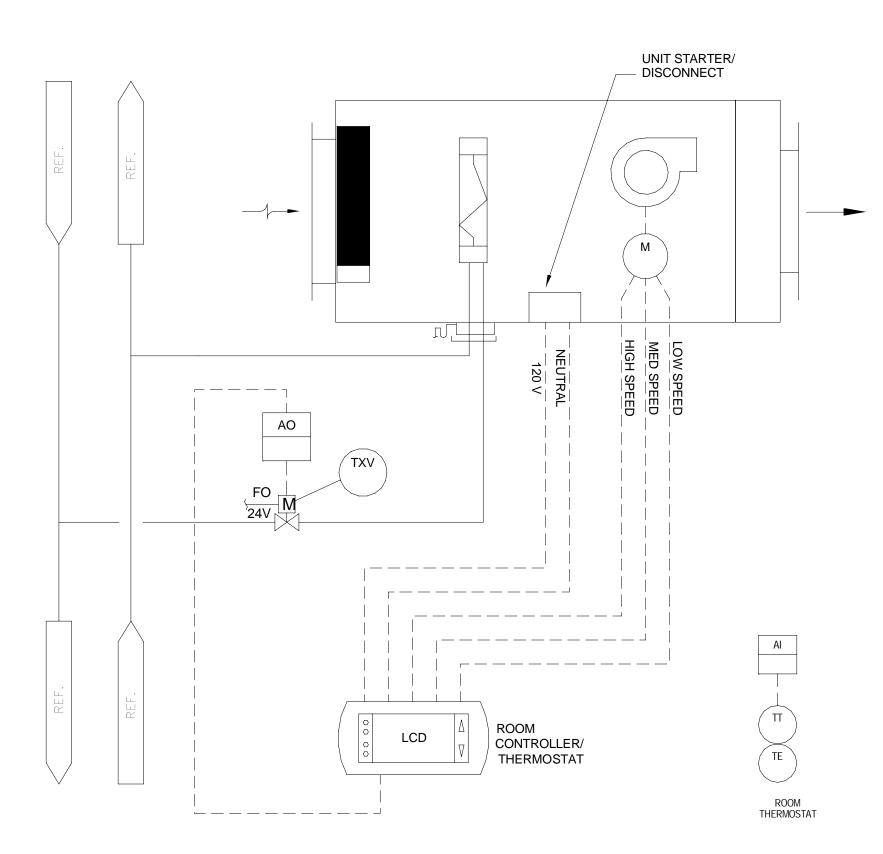
1. IF THE SUPPLY OR EXHAUST FANS FAIL TO START 1 MINUTE (ADJ.) AFTER ACTIVATED AN

ENERGY RECOVERY VENTILATOR (INTEGRATED TO ACU)

THE SUPPLY AND EXHAUST FANS SHALL ACTIVATE AND RUN CONTINUOUSLY. 3. UPON A DROP IN SUPPLY DISCHARGE AIR TEMPERATURE BELOW THE SETPOINT (65°F ADJ.) THE HEATING COIL CONTROLLER SHALL MODULATE TO MAINTAIN SUPPLY DISCHARGE AIR TEMPERATURE SETPOINT. WHEN SETPOINT IS ACHIEVED THE REVERSE SHALL OCCUR. 4. UPON DEACTIVATION OF THE SYSTEM THE SUPPLY AND EXHAUST FANS SHALL DE-ENERGIZE, AND THE INTAKE AND EXHAUST DAMPERS SHALL CLOSE, PROVEN BY THEIR RESPECTIVE END

2. THE ERV SHALL RUN CONTINUOUSLY DURING NORMAL OCCUPIED HOURS.

A. GENERAL



#### ROOM HVAC VRF SEQUENCE OF OPERATIONS

#### **GENERAL**

- A. EACH ROOM SHALL BE PROVIDED WITH A WIRELESS COMMUNICATION DIGITAL THERMOSTAT AND WIRELESS OCCUPANCY SENSOR(S) FOR COMPLETE ROOM COVERAGE.
- B. THE ROOM CONTROLLER SHALL BE CAPABLE OF CONNECTING TO THE STANDARD ROOM CONTROLLER T5 AS WELL AS THE BMS VIA WIRELESS NETWORK.
- C. THE ROOM CONTROLLER SHALL BE CAPABLE OF CONNECTING TO BMS VIA WIRELESS NETWORK.
- D. SPACE SETPOINTS:
- OCCUPIED COOLING SETPOINT: 75 DEG F (ADJ. +/- 1 DEG F) HEATING SETPOINT: 70 DEG F (ADJ. +/- 1 DEG F)
- UNOCCUPIED COOLING SETPOINT: 85 DEG F (ADJ. +/- 1 DEG F) HEATING SETPOINT: 65 DEG F (ADJ. +/- 1 DEG F)

# F. OCCUPIED MODE

- 1. THE UNIT FAN SHALL OPERATE CONTINUOUSLY.
- 2. ACU UNIT THERMAL EXPANSION VALVE SHALL MODULE TO MAINTAIN SETPOINT TEMPERATURE.

# G. UNOCCUPIED MODE

- 1. THE UNIT FAN SHALL BE OFF, THE EXPANSION VALVE SHALL BE CLOSED.
- 2. WHEN THE SPACE TEMPERATURE DROPS BELOW THE UNOCCUPIED HEATING SET-POINT OF 65°F (ADJUSTABLE), THE EXPANSION VALVE SHALL OPEN AND THE FAN SHALL BE ENERGIZED. WHEN THE SPACE TEMPERATURE RISES 2°F (ADJUSTABLE) ABOVE THE UNOCCUPIED HEATING SET-POINT, THE UNIT SHALL BE CONTROLLED IN ACCORDANCE WITH PARAGRAPH "A" ABOVE.
- 3. WHEN THE SPACE TEMPERATURE RISES ABOVE THE UNOCCUPIED COOLING SET-POINT OF 78°F (ADJUSTABLE), THE EXPANSION VALVE SHALL OPEN AND THE FAN SHALL BE ENERGIZED. WHEN THE SPACE TEMPERATURE DROPS 2°F (ADJUSTABLE) BELOW THE UNOCCUPIED COOLING SET-POINT, THE UNIT SHALL BE CONTROLLED IN ACCORDANCE WITH PARAGRAPH "A" ABOVE.

# J. SAFETIES

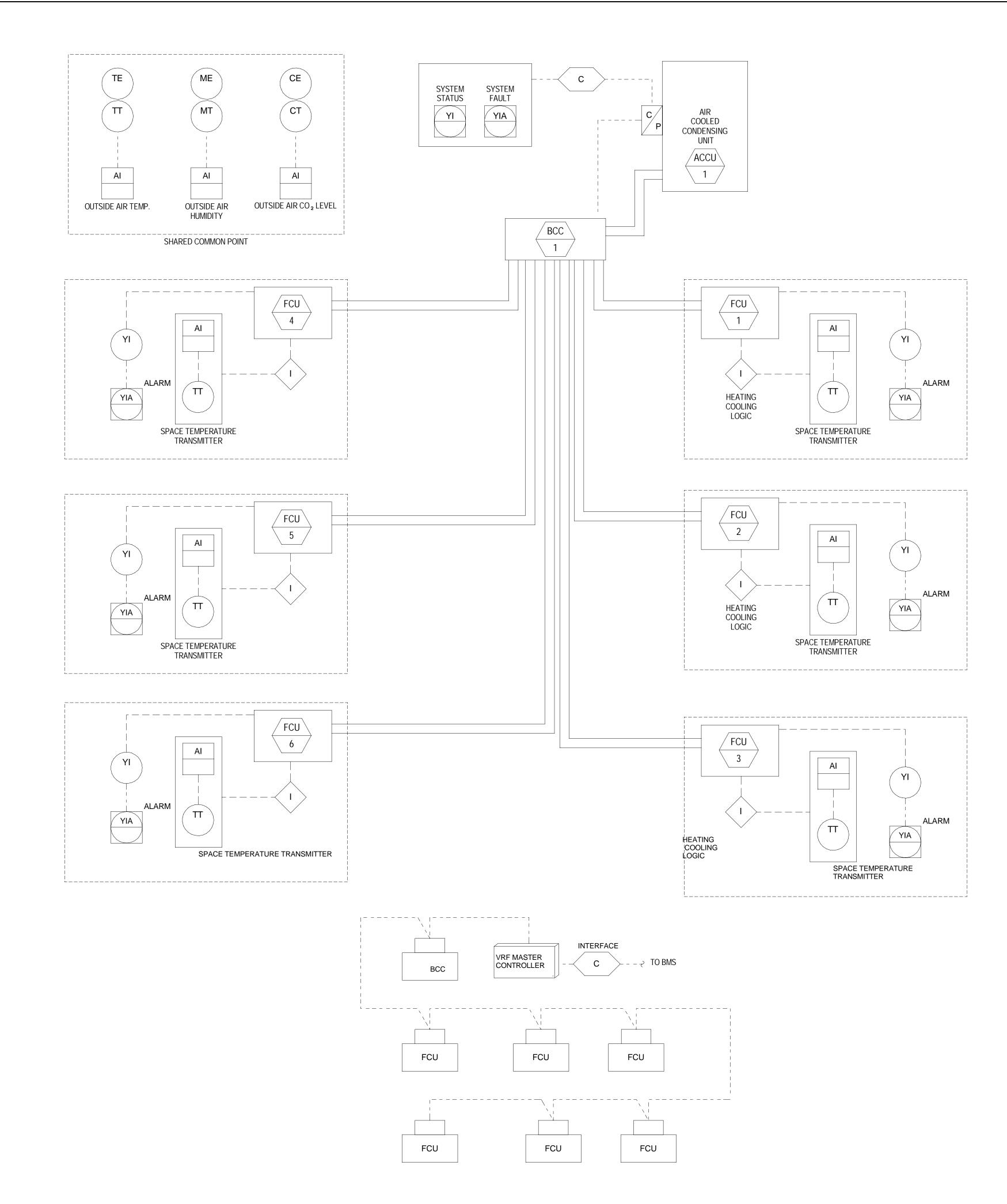
2 TYPICAL FAN COIL UNIT

CONTROL DIAGRAM AND SEQUENCE OF OPERATION

- AN AVERAGING TYPE TEMPERATURE SENSOR INSTALLED AT THE DISCHARGE OF THE COIL SHALL DE-ENERGIZE THE UNIT FAN WHENEVER THE DISCHARGE AIR TEMPERATURE DROPS BELOW THE LOW LIMIT SET-POINT OF 40°F (ADJUSTABLE).
- WHEN WATER IS DETECTED IN THE UNIT SECONDARY DRAIN PAN, AN ALARM SHALL BE ANNUNCIATED IN THE BMS AND THE UNIT FAN SHALL BE DE-ENERGIZED.

### KEY NOTES:

- TYPICAL WIRE-LESS COMMUNICATIONS MODULAR ROOM CONTROLLER/DIGITAL THERMOSTAT POWERED BY FAN COIL UNIT CIRCUIT, THE ATC CONTRACTOR SHALL PROVIDE POWER WIRING TO THE CONTROLLER. EXACT LOCATION SHALL BE PER ARCHITECTURAL PLANS & ELEVATIONS.
- WIRELESS SWITCH-OCCUPANCY STATUS. (BY OTHERS)
- CONCEALED POWER, FAN SPEED AND COIL VALVE CONTROL WIRING BY EMS CONTRACTOR.
- DIGITAL OR ANALOG FAN SPEED CONTROL OF ROOM FCU. PROVIDE ALL REQUIRED CONTACTS, EXPANSION BOARD AS REQUIRED.
- WIRELESS TEMPERATURE SENSOR BUILT INTO THE ROOM CONTROLLER. ADJUSTABLE LCD SCREEN WITH REMOTE MONITORING AND CONTROL.
- A WIRELESS REMOTE MOUNTED OCCUPANCY SENSOR SHALL INTEGRATE WITH THE CONTROLLER.
- MOISTURE ALARM-PROVIDE A LEAK DETECTION PUCK OR CABLE LOCATED WITHIN THE CODE REQUIRED SECONDARY DRAIN PAN. WIRE DEVICE TO SHUT DOWN FCU.
- THE ROOM CONTROLLER SHALL RESIDE ON THE DDC NETWORK AND BE MONITORED/CONTROLLED BY THE DDC SYSTEM.
- THE ROOM CONTROLLER SHALL HAVE THE CAPABILITY TO INTERFACE WITH THE DDC SYSTEM.



- A. INDOOR UNIT SEQUENCE OF OPERATION:
- ON/OFF CONTROL: THE INDOOR UNITS WILL BE COMMANDED ON/OFF AT THE REMOTE CONTROLLER. IF ALL INDOOR UNITS ARE OFF, THE OUTDOOR UNIT SHALL TURN OFF. WITH THE NIGHT SETBACK FUNCTION/MODE, THE SYSTEM SHALL CYCLE ON DURING UNOCCUPIED PERIODS AS NEEDED TO MAINTAIN UNOCCUPIED TEMPERATURE SETPOINT.
- SPACE TEMPERATURE CONTROL: THE INDOOR UNIT SHALL MODULATE ITS INTERNAL LINEAR EXPANSION VALVE (LEV) TO MAINTAIN THE TEMPERATURE SETPOINT VIA THE INDOOR UNIT'S INTERNAL CONTROL.
- THE SETPOINT IS ADJUSTABLE AT THE REMOTE CONTROLLER, CENTRAL CONTROLLER, OR THROUGH A BMS INTERFACE. THE TEMPERATURE SETPOINT CAN ALSO BE SCHEDULED AT THE REMOTE CONTROLLER OR THE CENTRAL CONTROLLER.

# MODE CONTROL

- AUTO MODE: THE INDOOR UNIT SHALL DETERMINE WHETHER IT SHOULD BE IN AUTO-HEAT MODE OR AUTO-COOL MODE BASED ON SPACE TEMPERATURE RELATIVE TO TEMPERATURE SETPOINT. IF THE INDOOR UNIT IS IN AUTO HEAT MODE, THE INDOOR UNIT CONTROL BOARD SHALL FOLLOW THE HEAT MODE SEQUENCE. IF
- THE INDOOR UNIT IS IN AUTO COOL MODE, THE INDOOR UNIT CONTROL BOARD SHALL FOLLOW THE COOL MODE SEQUENCE. THE INDOOR UNIT SHALL SWITCH FROM AUTOHEAT TO AUTOCOOL WHEN THE SPACE TEMPERATURE RISES ABOVE AND REMAINS ABOVE THE TEMPERATURE SETPOINT PLUS THE DEAD BAND FOR 3 MINUTES.
- THE INDOOR UNIT WILL SWITCH FROM AUTOCOOL TO AUTOHEAT WHEN THE SPACE TEMPERATURE DROPS BELOW AND REMAINS BELOW THE TEMPERATURE SETPOINT MINUS THE DEAD BAND FOR 3 MINUTES.
- HEATING MODE: THE INDOOR UNIT SHALL MODULATE ITS LINEAR EXPANSION VALVE (LEV) TO MAINTAIN TEMPERATURE SETPOINT.
- 3. COOLING MODE: THE INDOOR UNIT SHALL MODULATE ITS LINEAR EXPANSION VALVE (LEV) TO MAINTAIN TEMPERATURE SETPOINT.

VRF CONTROLS



STATE OF MAINE DEPT OF AGRICULTURE, CONSERVATION AND FORESTRY 22 STATE HOUSE STATION AUGUSTA, MAINE 04333-0022 (207) 287-3200



WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS. THESE DRAWING SHALL BE COPIED FROM THE ORIGINAL BLUEPRINTS AND ARE APPROXIMATELY TO SCALE. IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE PROJECT AND SHALL NOTIFY THE ENGINEER OF ANY VARIATIONS FROM THE DIMENSIONS AND CONDITIONS SHOWN ON THESE DRAWINGS.

Α	ISSUED FOR BID	01-10-202
NO.	REVISION	DATE
THUILIUM MINIMAN	ANDRE M. HEBERT 14347 01-10-2025	

PROJECT

CONY ROAD BUILDING RENOVATION

OWNER

MAINE DEPARTMENT OF AGRICULTURE, CONSERVATION AND FORESTRY

MECHANICAL CONTROLS

PROJECT NO.: 3529230024

SCALE: NTS

DATE: 01-10-2025 DWN. BY: UD CKD. BY: AH

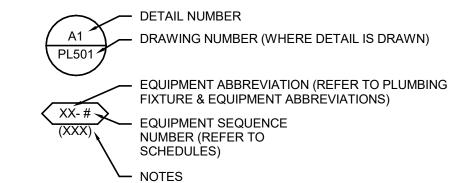
# PLUMBING FIXTURE & EQUIPMENT ABBREVIATIONS

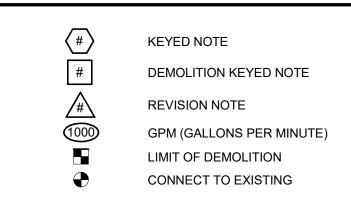
BFP	BACKFLOW PREVENTER DEVICE	MR	SERVICE SINK
CP	CONDENSATE PUMP	PVB	PRESSURE VACUUM BREAKER
DCV	A DOUBLE CHECK VALVE ASSEMBLY	RD	ROOF DRAIN
DDC	VA DOUBLE DETECTOR CHECK VALVE ASSEMBLY	RP	RE-CIRCULATION PUMP
DWF	DOMESTIC WATER HEATER	RPBP	REDUCED PRESSURE BACKFLOW PREVENTER
EW	EMERGENCY EYEWASH	SH	SHOWER
EE	EMERGENCY STATION	SK	SINK
ET	EXPANSION TANK	TD	TRENCH DRAIN
EWO	ELECTRICAL WATER COOLER	TMV	THERMOSTATIC MIXING VALVE
EWH	I ELECTRICAL WATER HEATER	TP	TRAP PRIMER
FD	FLOOR DRAIN	UR	URINAL
FCO	FLOOR CLEANOUT	US	UTILITY SINK
FPH	B FREEZEPROOF HOSE BIBB	VB	VACUUM BREAKER
FS	FLOOR SINK	WB	WALL BOX
GI	GREASE INTERCEPTOR	WC	WATER CLOSET
HB	HOSE BIBB	WH	WALL HYDRANT

# GENERAL SYMBOLS

LAVATORY

INCHES





WATER HAMMER ARRESTOR

## PIPING SYMBOLS

FIFING	STIVIDOLS
	PIPE RISE
<del></del>	PIPE TEE FROM BOTTOM
<del></del>	PIPE TEE FROM TOP
<del></del>	PIPE ELBOW OFFSET
<del></del>	PIPE END CAP
<del></del>	PIPE BREAK
<b></b>	DIRECTION OF FLOW
<b>─</b>	REDUCER (CONCENTRIC)
<u> </u>	REDUCER (ECCENTRIC OR FOT)
<u></u>	BALL VALVE
—ф—	UNION AS DICTATED BY PIPE SIZE
	CHECK VALVE  REDUCED PRESSURE BACKFLOW PREVENTER
<u> </u>	WATER HAMMER ARRESTOR
<u></u> ДА	AUTOMATIC AIR VENT WITH ISOLATION VALVE
<u> </u>	MANUAL AIR VENT
$-\!\!\!\!-\!\!\!\!\!-\!\!\!\!\!-\!\!\!\!\!-$	PUMP
——————————————————————————————————————	METER
——⋈——	COMBINATION FLOW MEASURING/ BALANCING VALVE (CIRCUIT SETTER)
φ	PRESSURE GAUGE W/ BALL VALVE
<u> </u>	THERMOMETER WITH WELL
<u>s</u> 	SOLENOID VALVE
<del></del>	SAFETY RELIEF VALVE
<del></del>	HOSE BIBB

# **GENERAL NOTES**

- GENERAL NOTES, SYMBOLS LIST AND DETAILS ARE APPLICABLE TO ALL PLUMBING DRAWINGS INDICATED BY P-001.
- 2. PERFORM MANUFACTURER RECOMMENDED FUNCTION PERFORMANCE
- TESTING. TEST AND BALANCE SYSTEM UPON STARTUP.
- LAYDOWN AND STAGING AREAS TO BE COORDINATED WITH OWNER.
   COORDINATE UTILITY INTERRUPTIONS IN SERVICE WITH OWNER.
- F DIANG ARE DIAGRAMMATIC AND SYSTEMS SHALL BE CONSTRUCTED TO COR
- 5. PLANS ARE DIAGRAMMATIC AND SYSTEMS SHALL BE CONSTRUCTED TO CODE.
- 6. PROVIDE COMPLETE AND FUNCTIONAL SYSTEMS.
- 7. ALL WORK SHALL BE COORDINATED WITH ALL TRADES INVOLVED.
- 8. SCALE IS APPROXIMATE.

PREVENT STRESS ON PIPING.

- 9. OFFSETS IN PIPING AND TRANSITIONS AROUND OBSTRUCTIONS SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE OWNER.
- 10. VERIFY EQUIPMENT CONNECTIONS WITH MANUFACTURER'S CERTIFIED
- DRAWINGS. FIELD VERIFY AND COORDINATE DIMENSIONS BEFORE FABRICATION.

  11. CONTROL WIRE AND CONDUIT SHALL COMPLY WITH NEC AND SPECIFICATIONS.
- 12. PROVIDE CLAMPS, OFFSETS, EXPANSION JOINTS, ANCHORS AND GUIDES AS RECOMMENDED BY MANUFACTURER AND DEFINED BY SPECIFICATIONS TO
- 13. ALL ROOF/WALL PENETRATIONS, FITTINGS, AND CONNECTIONS SHALL BE PROPERLY SEALED TO ENSURE THE EFFICIENT OPERATION OF THE SYSTEM
- AND TO AVOID THE INFILTRATION OF MOISTURE OR PRECIPITATION.

  14. MANUFACTURERS NAMES AND MODELS ARE USED TO PROVIDE CAPACITY, SIZE, AND QUALITY AND PERFORMANCE ONLY AND SUBSTITUTIONS MEETING THE
- 15. REFER TO MECHANICAL DRAWINGS FOR SEQUENCE OF OPERATIONS AND CONTROLS DIAGRAMS FOR PLUMBING EQUIPMENT.

PROJECT NEEDS ARE ALLOWED PENDING SUBMITTAL APPROVAL.

16. MINIMUM SANITARY PIPE SIZE BELOW SLAB TO BE 2".

# LINETYPES

PURE WATER PIPING

TEMPERED WATER PIPING

	<u> </u>
(D)	ITEMS TO BE REMOVED
——— (E) ———	EXISTING ITEMS TO REMAIN
	ITEMS TO BE PROVIDED
	HIDDEN ITEMS
CW	DOMESTIC COLD WATER PIPING
— – – — HW — – – —	DOMESTIC HOT WATER PIPING
——————————————————————————————————————	DOMESTIC HOT WATER RECIRCULATION PIPING
——— TP ———	TRAP PRIMER WATER PIPING
s	SANITARY PIPING
s	BELOW SLAB SANITARY PIPING
	VENT PIPING
v	BELOW SLAB VENT PIPING
SD	STORM DRAIN PIPING
SD	BELOW SLAB STORM DRAIN PIPING
CD	CONDENSATE DRAIN PIPING
G	GAS PIPING

PIPE PITCH DOWN IN DIRECTION OF FLOW

FLANGE AS DICTATED BY PIPE SIZE

# GENERAL DEMOLITION NOTES

- 1. DEMOLITION SHALL BE COORDINATED BY THE CONTRACTOR TO MAINTAIN THE INTEGRITY OF THE BUILDING.
- 2. COORDINATE DEMOLITION OF PLUMBING SYSTEMS WITH THAT OF OTHER
- 3. CONTRACTOR SHALL REPLACE ANY ITEM OR EQUIPMENT DAMAGED DURING CONTRACTOR'S DEMOLITION.
- 4. REMOVE ASSOCIATED PIPING, CONTROLS, HANGERS, AND SUPPORTS WITH
- ITEMS OR EQUIPMENT BEING DEMOLISHED UNLESS NOTED OTHERWISE.5. PROVIDE TEMPORARY VALVES AND/OR CAPS AS NEEDED FOR FUTURE WORK.
- 6. ANY ITEMS OR EQUIPMENT THAT ARE REMOVED TO FACILITATE THE DEMOLITION OR INSTALLATION OF NEW EQUIPMENT SHALL BE REINSTALLED BACK TO ITS PRE-DEMOLITION CONDITION.

	PLUMBING SHEET INDEX
SHEET NUMBER	DRAWING INDEX
P-001	PLUMBING LEGEND AND ABBREVIATIONS
PD100	UNDERSLAB DEMOLITION PLAN
PD101	DEMOLITION PLAN
PL100	UNDERSLAB PIPING PLAN
PL101	PIPING PLAN
P-501	PLUMBING DETAILS
P-601	PLUMBING SCHEDULES

Architects/Engineers:



STATE OF MAINE
DEPT OF AGRICULTURE, CONSERVATION AND FORESTRY
22 STATE HOUSE STATION

AUGUSTA, MAINE 04333-0022



WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS. THESE DRAWING SHALL BE COPIED FROM THE ORIGINAL BLUEPRINTS AND ARE APPROXIMATELY TO SCALE. IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE PROJECT AND SHALL NOTIFY THE ENGINEER OF ANY VARIATIONS FROM THE DIMENSIONS AND CONDITIONS SHOWN ON THESE DRAWINGS.

Α	ISSUED FOR BID		01-10-2025
NO.	REVISION		DATE
		_	



PROJECT

CONY ROAD BUILDING RENOVATION

OWNER

MAINE DEPARTMENT OF AGRICULTURE, CONSERVATION AND FORESTRY

TITLE

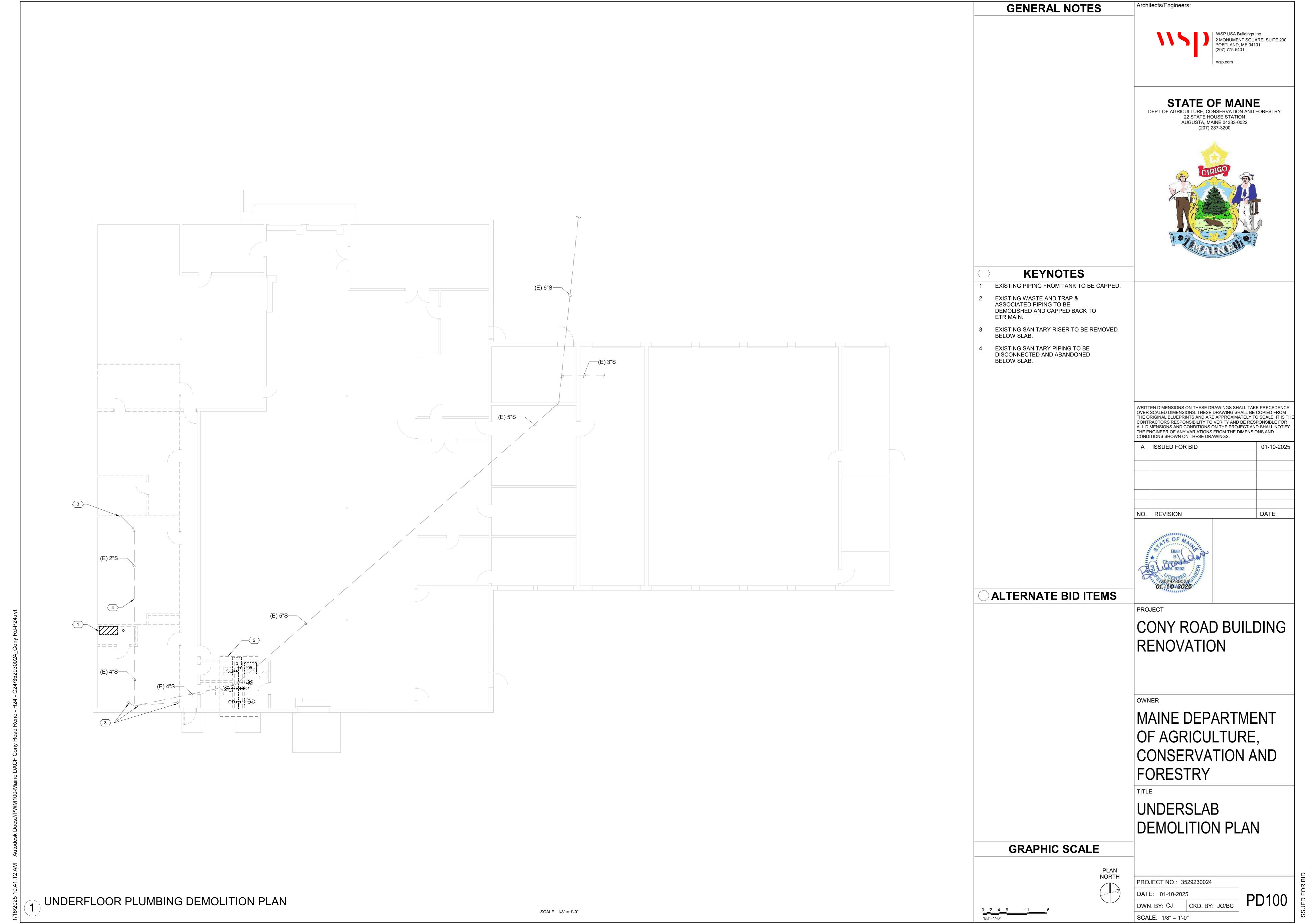
PLUMBING LEGEND AND ABBREVIATIONS

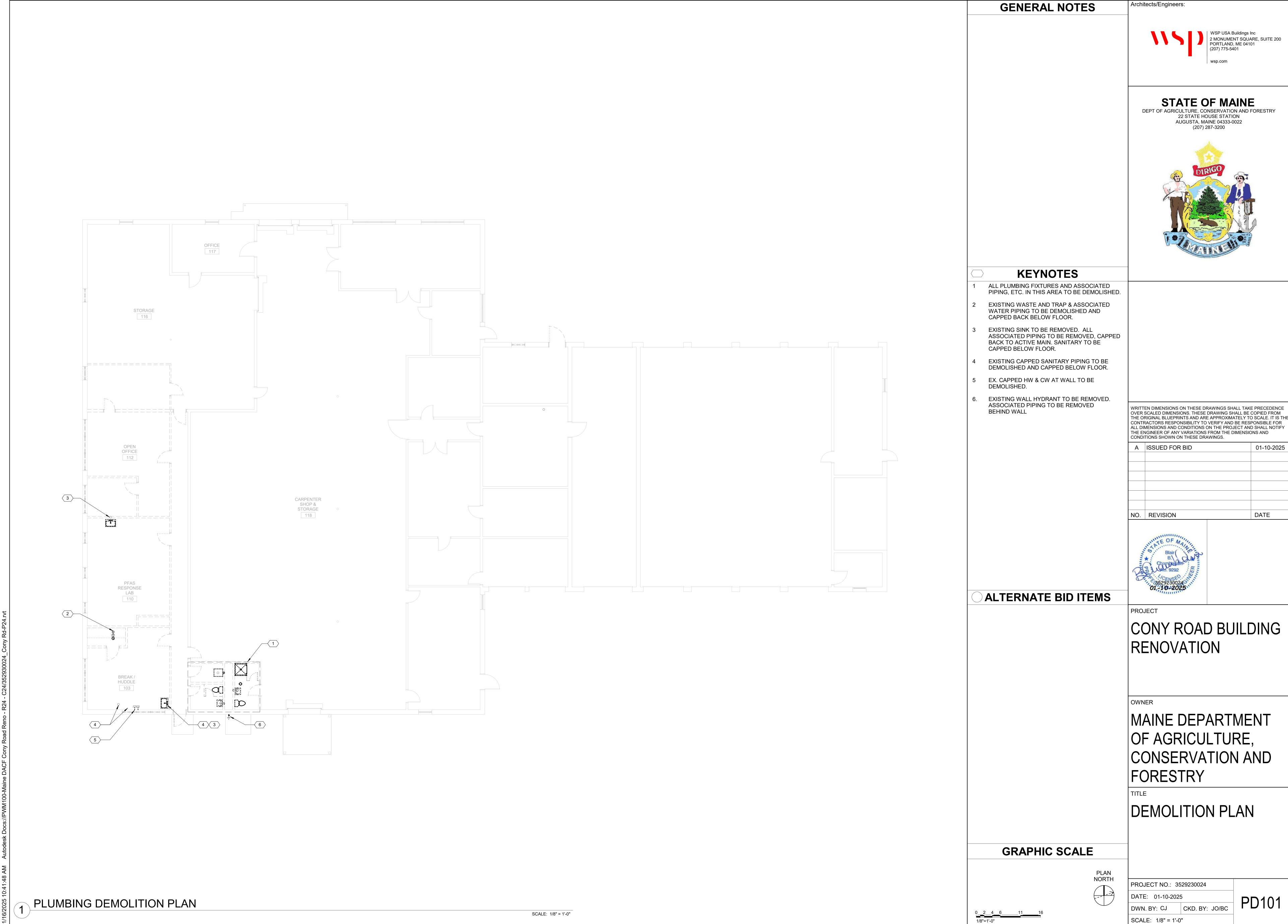
PROJECT NO.: 3529230024

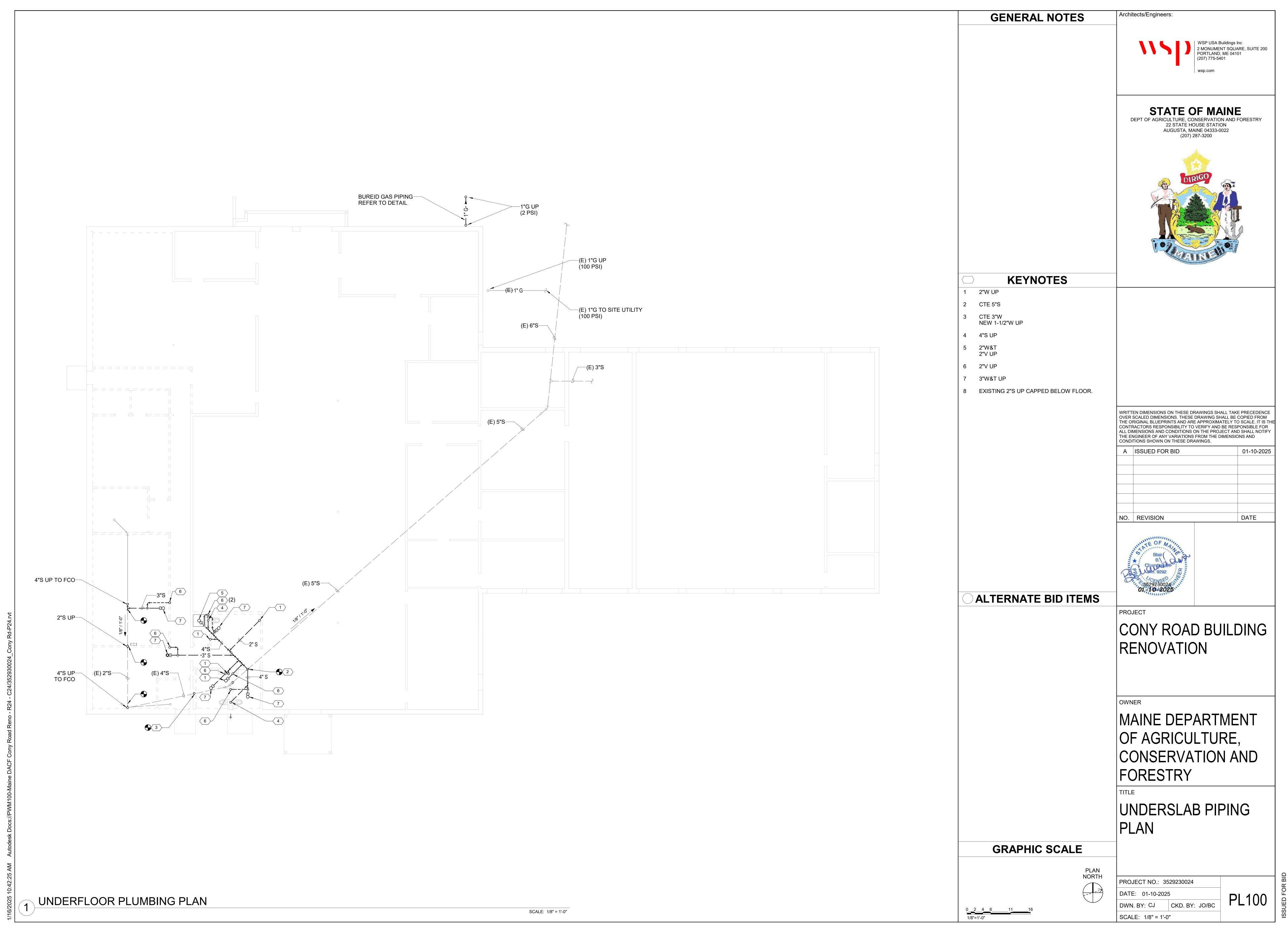
DATE: 01-10-2025

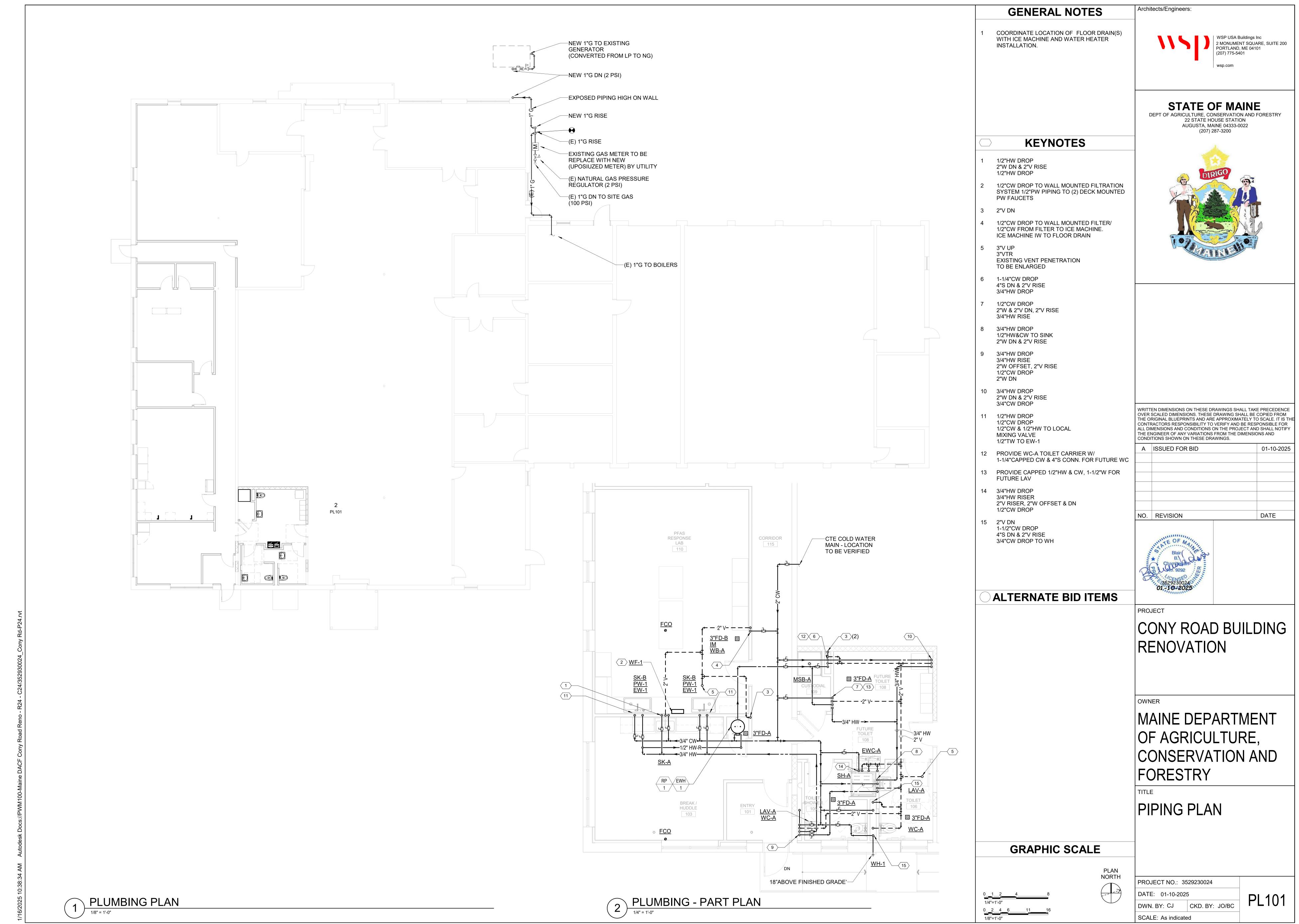
DWN. BY: CJ CKD. BY: JO/BC

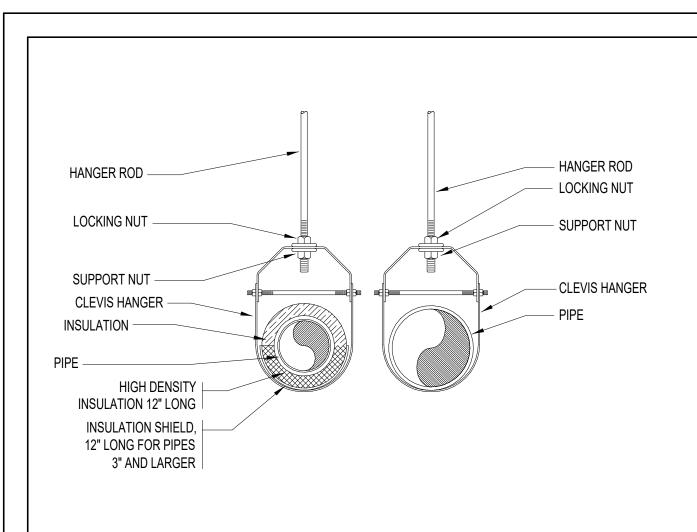
SCALE: NTS











PIPE SIZE

1 1/4"

3" THRU 8" 10" & 12"

HANGER ROD SCHEDULE

ROD SIZE

3/8" DIA.

1/2" DIA.

TYPICAL CLEVIS HANGER & ROD INSTALLATION

DETAIL FOR INSULATED PIPING SYSTEMS

PIPE SIZE

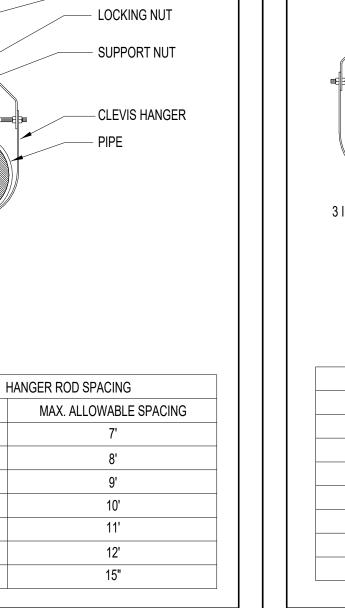
UP TO 2"

2 1/2" THRU 3"

4" AND 5"

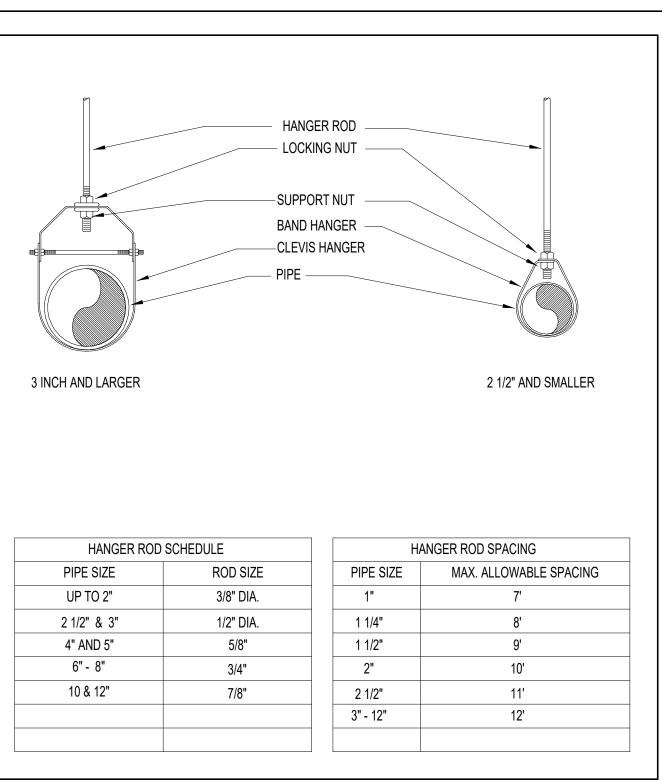
6" THRU 8"

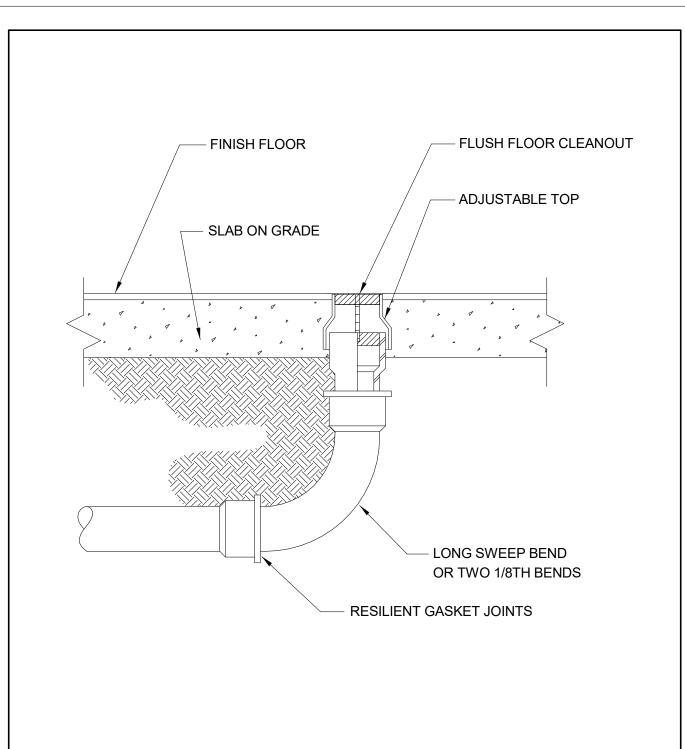
12"



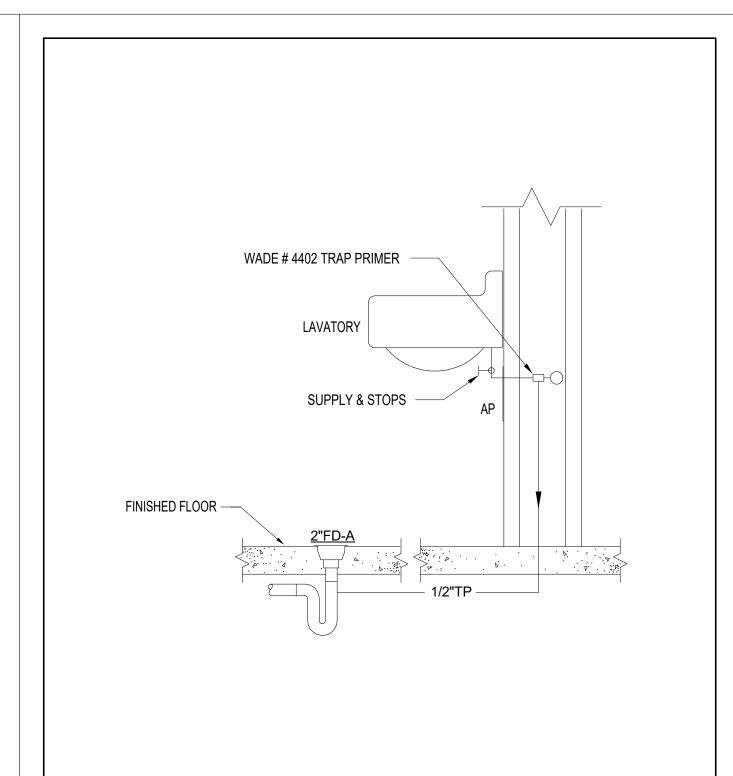
NO SCALE

NO SCALE



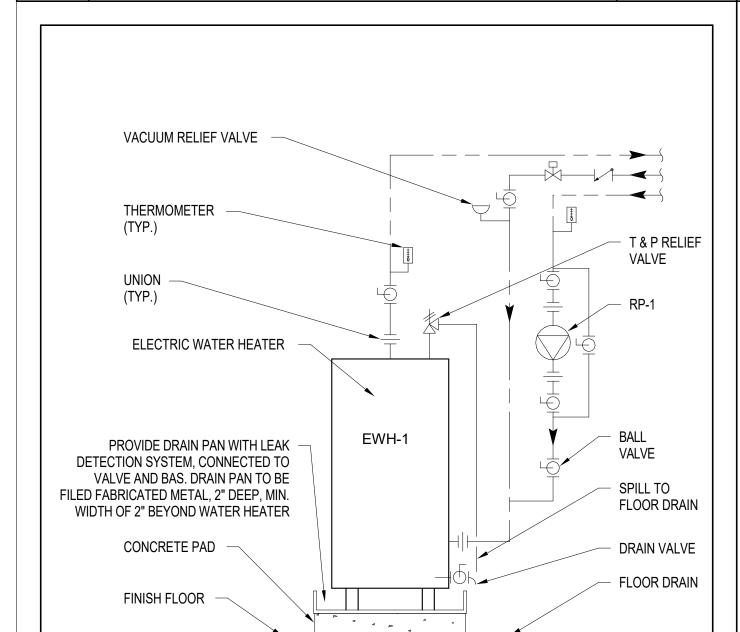


END OF RUN FLOOR CLEANOUT



LAVATORY SUPPLY - TRAP PRIMER DETAIL

NO SCALE

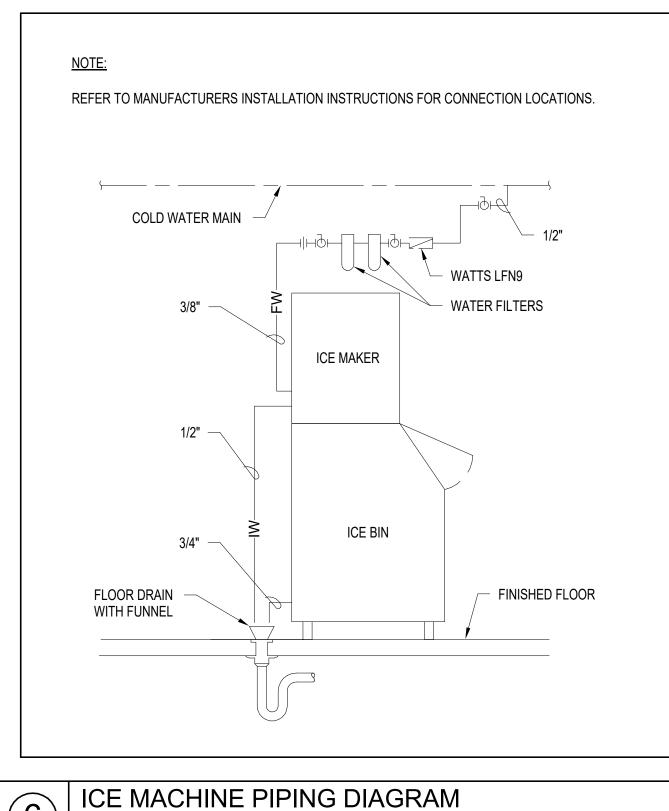


\* PROVIDE FLOODMASTER LEAK DETECTION SYSTEM MODEL KIT RS-094, COMPLETE WITH AUTOMATIC SOLENOID VALVE, CONTROL MODULE, SENSOR KIT, LEAK DETECTION SHALL BE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS. ALL REQUIREMENTS TO BE

COORDINATED WITH ELECTRICAL CONTRACTOR.

PIPING DIAGRAM

ELECTRIC WATER HEATER

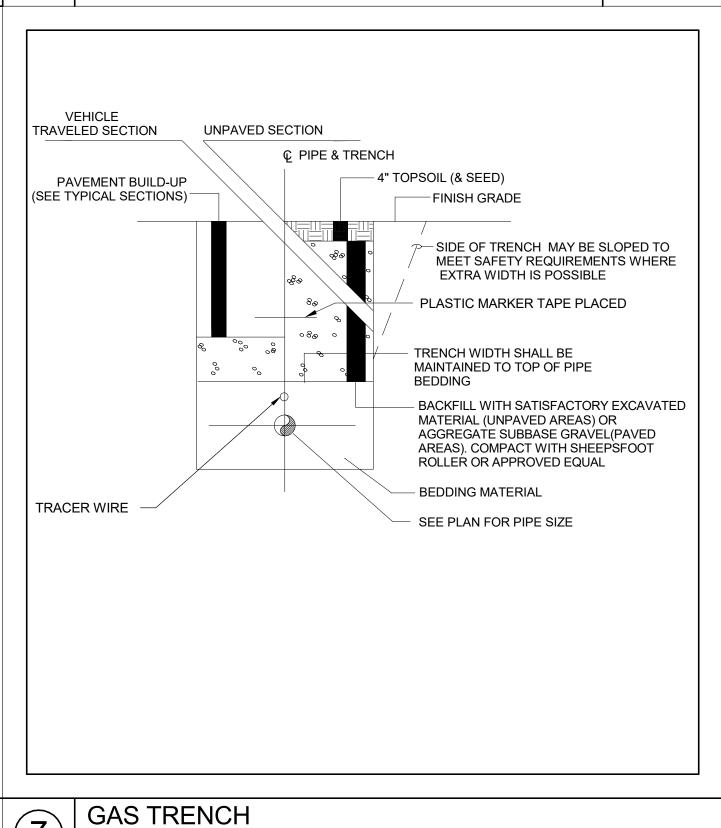


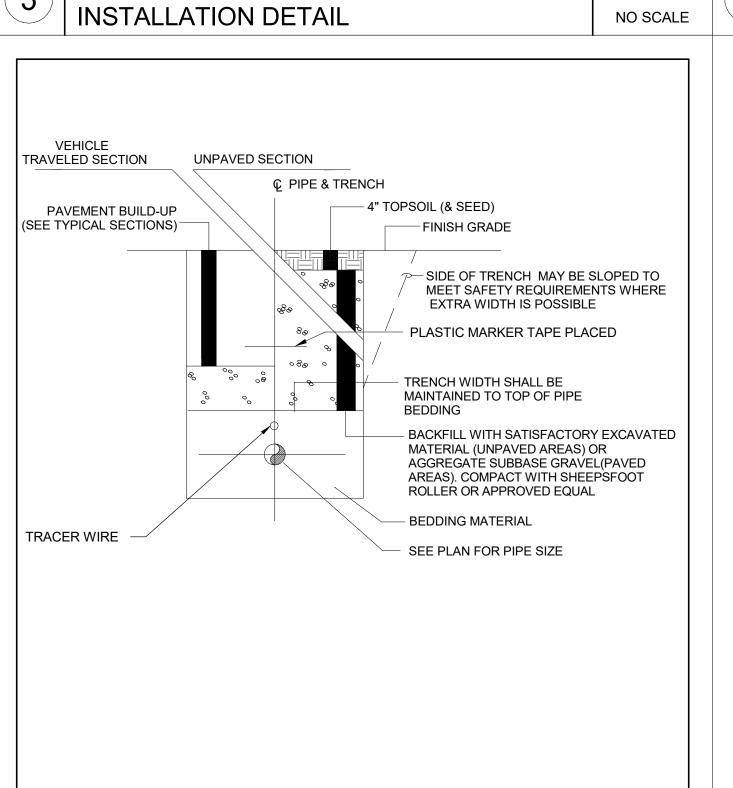
TYPICAL CLEVIS / BAND HANGER & ROD INSTALLATION

NO SCALE

NO SCALE

DETAIL FOR NON-INSULATED PIPING SYSTEMS





NO SCALE

Architects/Engineers: | WSP USA Buildings Inc 2 MONUMENT SQUARE, SUITE 200 PORTLAND, ME 04101 (207) 775-5401 wsp.com

STATE OF MAINE DEPT OF AGRICULTURE, CONSERVATION AND FORESTRY 22 STATE HOUSE STATION AUGUSTA, MAINE 04333-0022 (207) 287-3200

WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS. THESE DRAWING SHALL BE COPIED FROM THE ORIGINAL BLUEPRINTS AND ARE APPROXIMATELY TO SCALE. IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE PROJECT AND SHALL NOTIFY THE ENGINEER OF ANY VARIATIONS FROM THE DIMENSIONS AND CONDITIONS SHOWN ON THESE DRAWINGS.

Α	ISSUED FOR BID	01-10-20
NO.	REVISION	DATE

PROJECT

CONY ROAD BUILDING RENOVATION

MAINE DEPARTMENT OF AGRICULTURE, CONSERVATION AND FORESTRY

PLUMBING DETAILS

PROJECT NO.: 3529230024 DATE: 01-10-2025 DWN. BY: CJ CKD. BY: JO/BC SCALE: NTS

			EQU	IPMENT	rough	HING SCHEDULE
PLUMBING ID	FIXTURE TYPE	USE	CW	HW	IW	CONNECTION REMARKS
<u>IM</u>	ICE MAKER	FURNISHED UNDER OTHER SECTIONS, INSTALLED UNDER DIVISION 22	1/2"	-	-	PROVIDE PRV INLINE FILTER, PROVIDE WATTS LF7 BFP AND SHUT OFF VALVE. 1/2" CW FROM WB-A
NOTES:						
2. PROVIDE A	ACCESS PANELS AT ALL RISE	DNNECTIONS TO EQUIPMENT IR VALVES IN CONCEALED AREAS ESIGNATIONS ON THE PLANS ARE ONLY F	OR ROUGH PIF	PING SIZES.		

		WATER FILTRATION SCHEDULE				
I.D.	DESCRIPTION	CW CONN.	MODEL	REMARKS		
<u>WF-1</u>	WATER FILTRATION SYSTEM	1/2"	THERMO BARNSTEAD B-PURE #D4521	WALL MOUNTED FILTRATION SYSTEM ABOVE CASEWORK. 1/2"CW CONN. W/ SHUT OFF VALVE TO FILTRATION SYSTEM. 1/2" FILTERED WATER FROM SYSTEM TO (2) DECK MOUNTED FAUCETS. PIPING FROM SYSTEM TO FAUCETS IN WALL AND CASEWORK		
NOTES:						

TAG	SIZE	FIXTURE UNITS	BASIS OI	F DESIGN	NOTES
			MFG	MODEL	
WHA-1	100	1 - 11			
WHA-2	200	12 - 32			
WHA-3	300	33 - 60	711001	74700	4.0.0
WHA-4	400	61 - 113	ZURN	Z1700	1, 2, 3
WHA-5	500	114 - 154			
WHA-6	600	155 - 330			

		DRA	IN SCHED	ULE		
TAG	SERVICE	PIPE SIZE	MANUFACTURER	MODEL	STYLE	NOTES
FD-A	FLOOR DRAIN	NOTE 1	ZURN	Z507	MEDIUM DUTY	
FCO-A	FLOOR CLEANOUT	NOTE 1	ZURN	Z1400-B	LIGHT DUTY	

ITEM	DECODIDATION	SYSTEM	LOCATION	LOCATION	ODM TDU	II DOI		MO	TOR		MANUIFACTURED & MOREL #	DEMADIZO
ITEM	DESCRIPTION	SYSTEM	LOCATION	GPM	TDH	PSI	HP	RPM	V	PH	MANUFACTURER & MODEL #	REMARKS
RP-1	RECIRC. PUMP	HOT WATER LEVEL 1	WATER HEATER CLOSET	5	15	-	1/25	-	115	1	GRUNDFOS MAGNA1	COORDINATE WITH DIV. 26

Architects/Engineers:

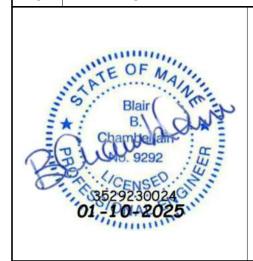


STATE OF MAINE
DEPT OF AGRICULTURE, CONSERVATION AND FORESTRY
22 STATE HOUSE STATION



WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS. THESE DRAWING SHALL BE COPIED FROM THE ORIGINAL BLUEPRINTS AND ARE APPROXIMATELY TO SCALE. IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE PROJECT AND SHALL NOTIFY THE ENGINEER OF ANY VARIATIONS FROM THE DIMENSIONS AND CONDITIONS SHOWN ON THESE DRAWINGS.

Α	ISSUED FOR BID	01-10-202
NO.	REVISION	DATE



PROJECT

CONY ROAD BUILDING RENOVATION

OWNE

MAINE DEPARTMENT OF AGRICULTURE, CONSERVATION AND FORESTRY

ITLE

PLUMBING SCHEDULES

PROJECT NO.: 3529230024

DATE: 01-10-2025

DWN. BY: CJ CKD. BY: JO/BC

SCALE: As indicated

# ELECTRICAL LEGEND AND ABBREVIATIONS

	ABBREVIATIONS		POWER LEGEND
မှ	CENTER LINE		SURFACE MOUNTED PANELBOARD
AFF	ABOVE FINISHED FLOOR		DECECCED DANIEL BOARD
AIC	AMPERES INTERRUPTING CAPACITY		RECESSED PANELBOARD
AS/AF	AMPERE RATING OF SWITCH/FUSE		GENERATOR
AF/AT	AMPERE RATING OF CIRCUIT, BREAKER FRAME/TRIP	0\0	ALITOMATIC TRANSFER CAVITOLI
A/V	AUDIO/VISUAL	_	AUTOMATIC TRANSFER SWITCH
BMS	BUILDING MANAGEMENT SYSTEM		HEAVY DUTY DISCONNECT SWITCH
<u>C</u>	CONDUIT, GENERIC TERM FOR RACEWAY		LIEAVA DUTY DICCONNECT CWITCH WITH FLICE
CB	CIRCUIT BREAKER		HEAVY DUTY DISCONNECT SWITCH WITH FUSE
CKT	CIRCUIT		MOTOR STARTER
DE	DUAL ELEMENT, TIME DELAY FUSES		VADIADI E EDEGLIENOV DDIVE
EC	ELECTRICAL METALLIC TURING	VFD	VARIABLE FREQUENCY DRIVE
EMT	FIRE ALARM	СВ	ENCLOSED CIRCUIT BREAKER
FA	FEEDER		HINCTION DOV
FDR GFCI	GROUND FAULT CIRCUIT INTERRUPTER		JUNCTION BOX
GFI	GROUND FAULT INTERRUPTER		FLEXIBLE CONNECTION
GFPE	GROUND FAULT PROTECTION EQUIPMENT	CM)	CLISTOMED ENEDGY METER
GND	GROUND GROUND	- Civi	CUSTOMER ENERGY METER
LSGI	LONG TIME SHORT TIME GROUND INSTANT.	M	UTILITY USAGE METER
MCA	MINIMUM CIRCUIT AMPACITY	_	
MCP	MOTOR CIRCUIT PROTECTOR	ONE	
MOCP	MAXIMUM OVERCURRENT PROTECTIVE DEVICE	ONE	LINE DIAGRAM SYMBOLS
NC	NORMALLY CLOSED		CIDCUIT DDE AVED
NO	NORMALLY OPEN		CIRCUIT BREAKER
NTS	NOT TO SCALE		SWITCH AND FUSE
OC	ON CENTER		FEEDER TAG, REFER TO CIRCUIT SCHEDULE
OCPD	OVERCURRENT PROTECTIVE DEVICE	60	FOR FEEDER SIZE
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED		CIRCUIT BREAKER IN ENCLOSURE
PVC	POLYVINYL CHLORIDE CONDUIT	CM) FM	CURRENT TRANSFORMER COMPARTMENT
RSC	RIGID STEEL CONDUIT		WITH CUSTOMER OR UTILITY METER
SE	SERVICE ENTRANCE		NORMALLY OPEN CONTACT
SP	STANDBY POWER SYSTEM		NORMALLY CLOSED CONTACT
SPD	SURGE PROTECTION DEVICE		TOTAL SECOLD SOLVITO
TEL	TELECOM		TRANSFORMER
TYP	TYPICAL		1
UON	UNLESS OTHERWISE NOTED		
WP	WEATHERPROOF		
WT	WATERTIGHT		

	FIRE ALARM LEGEND		WIRING DEVICE LEGEND
F	MANUAL PULL STATION	Φ	SINGLE RECEPTACLE OUTLET: 125V; WALL MOUNTED
<b>N</b> 04	AREA SMOKE DETECTOR: CEILING MOUNTED; CO = COMBINATION SMOKE/CO DETECTOR	Φ	DUPLEX RECEPTACLE OUTLET: 125V; WALL MOUNTED
③ <sub>XX</sub>	E = ELEVATOR RECALL SP = STAIR PRESSURIZATION ACTIVATION	•	DOUBLE DUPLEX RECEPTACLE OUTLET: 125V; WALL MOUNTED
	I = INTERLOCKED TO TRASH CHUTE		DUPLEX RECEPTACLE OUTLET: 125V; GROUND FAULT INTERRUPTER; WALL MOUNTED
<u>()</u>	HEAT DETECTOR, CEILING MOUNTED		DOUBLE DUPLEX RECEPTACLE OUTLET: 125V; GROUND FAULT INTERRUPTER; WALL MOUNTED
WF	SPRINKLER WATER FLOW SWITCH		HALF SWITCHED DUPLEX RECEPTACLE OUTLET: 125V;
TS	SPRINKLER TAMPER SWITCH	$\blacksquare$	WALL MOUNTED. TOP OUTLET CONTROLLED BY OCCUPANCY SESOR
	SPRINKLER SYSTEM LOW PRESSURE SWITCH	lacksquare	FULLY SWITCHED RECEPTACLE OUTLET: 125V; WALL MOUNTED
CM	CONTROL MODULE	<b>A</b>	HALF SWITCHED DOUBLE DUPLEX RECEPTACLE OUTLET:
MM ———	MONITOR MODULE	#	125V; WALL MOUNTED. (1) DUPLEX RECEPTACLE CONTROLED BY OCCUPANCY SENSOR
H V	FIRE ALARM HORN: CEILING MOUNTED	•	FULLY SWITCHED DOUBLE DUPLEX RECEPTACLE OUTLET: 125V; WALL MOUNTED
T T	FIRE ALARM HORN: WALL MOUNTED	•	DUPLEX RECEPTACLE OUTLET: 125V; WALL MOUNTED;
H	COMBINATION FIRE ALARM HORN/VISUAL ALARM: CEILING MOUNTED	# # T	CONNECTED TO GENERATOR CIRCUIT  DOUBLE DUPLEX RECEPTACLE OUTLET: 125V; WALL
É H	COMBINATION FIRE ALARM HORN/VISUAL ALARM: WALL MOUNTED	п	MOUNTED; CONNECTED TO GENERATOR CIRCUIT  DUPLEX RECEPTACLE OUTLET: 125V; GROUND FAULT
RAI	FIRE ALARM REMOTE ALARM INDICATOR, CEILING MOUNTED	∰	INTERRUPTER; WALL MOUNTED; CONNECTED TO GENERATOR CIRCUIT
RAI	FIRE ALARM REMOTE ALARM INDICATOR, WALL MOUNTED	<b>1 2</b>	SPECIAL PURPOSE RECEPTACLE OUTLET: REFER TO SCHEDULE FOR RATING OR RATING AS INDICATED OR
X	VISUAL ALARM; CEILING MOUNTED		MATCH CIRCUIT BREAKER; WALL MOUNTED.  DUPLEX RECEPTACLE MOUNTED IN RECESSED TV
Ä	VISUAL ALARM; WALL MOUNTED		BACKBOX; MOUNTED 60"AFF UNLESS OTHERWISE NOTED
RS	REMOTE TEST STATION WITH INDICATING LIGHT		SINGLE RECEPTACLE OUTLET: 125V; CEILING MOUNTED
FACP	FIRE ALARM CONTROL PANEL		DUPLEX RECEPTACLE OUTLET: 125V; CEILING MOUNTED  DOUBLE DUPLEX RECEPTACLE OUTLET: 125V; CEILING
FARA	FIRE ALARM REMOTE ANNUNCIATOR		MOUNTED SPECIAL PURPOSE RECEPTACLE OUTLET: REFER TO
FARP	FIRE ALARM REMOTE PANEL	02	SCHEDULE FOR RATING OR RATING AS INDICATED OR MATCH CIRCUIT BREAKER; CEILING MOUNTED.
FATC	FIRE ALARM TERMINAL CABINET	999	POWER TYPE MULTI-OUTLET ASSEMBLY: LENGTH APPROXIMATELY AS SHOWN. ONE OUTLET PER FT.
FABP	FIRE ALARM BOOSTER PANEL		UNLESS NOTED OTHERWISE.  PLUGMOLD, DUAL CIRCUIT WITH OUTLETS 1FT OC
	MISCELLANEOUS LEGEND	\$	SINGLE POLE SWITCH
<b>—</b> G <b>—</b>	GROUND BAR - 2"W x 1/4" THICK COPPER BUS, UNLESS	ТМ	ASTRONOMICAL TIMECLOCK
	OTHERWISE INDICATED.	D	WALL DIMMER
$\left\langle \begin{array}{c} AC \\ 2 \end{array} \right\rangle$	MECHANICAL EQUIPMENT TAG NUMBER REFER TO MECHANICAL EQUIPMENT SCHEDULE.	LV	LOW VOLTAGE SWITCH
(100MI)	FEEDER TAG, REFER TO CIRCUIT SCHEDULE FOR	sc	SCENE CONTROLLER
	FEEDER SIZE  DRAWING KEY NOTE	os	OCCUPANCY SENSOR: WALL MOUNTED; DUAL TECHNOLOGY WITH OVERRIDE SWITCH.
		Vs	VACANCY SENSOR: WALL MOUNTED; DUAL TECHNOLOGY WITH OVERRIDE SWITCH
DPS	POWER DOOR ACTIVATOR	©3 <sup>XX</sup>	OCCUPANCY SENSOR: CEILING MOUNTED; DUAL TECHNOLOGY; HB = HIGH BAY OCCUPANCY SENSOR;
_		W <sup>XX</sup>	PL = PLUG LOAD CONTROL  VACANCY SENSOR: CEILING MOUNTED; DUAL  TECHNOLOGY: PL = PLUG LOAD CONTROL
	SECTION IDENTIFIER, INDICATING SECTION "B" ON DRAWING E-2.	<b>©</b>	TECHNOLOGY; PL = PLUG LOAD CONTROL  PHOTOCELL: CEILING MOUNTED
	E-2	LD	LOW VOLTAGE LIGHTING CONTROL SWITCH: ON/OFF AND
	2 DETAIL IDENTIFIER, INDICATING		DIMMING  CORD DROP WITH DOUBLE DUPLEX RECEPTACLE. SEE
E	DETAIL NO. 2 ON DRAWING E-4.		THE "CORD DROP DETAIL" ON DRAWING E-402  POWER FURNITURE FEED: WALL MOUNTED.
		FP	COORDINATE EXACT ELECTRICAL REQUIREMENTS WITH FURNITURE MANUFACTURER
		FT	DATA FURNITURE FEED: WALL MOUNTED. COORDINATE EXACT DATA REQUIREMENTS WITH FURNITURE MANUFACTURER
			TELECOMMUNICATION OUTLET. 4" SQUARE BY 2' 1/8" DEEP BOX WITH SINGLE GANG PLASTIC RING. 1' 1/4" C.
		∇	FROM BOX TO ABOVE ACCESSIBLE SUSPENDED CEILING SPACE. ALL CONDUITS FOR TELECOMMUNICATIONS SHALL INCLUDE INSULATED BUSHINGS AND A SECURED PULL STRING.

LIGHTING LEGEND LEGEND NOTES THIS SHEET IS A GENERAL LIST OF SYMBOLS AND LIGHTING FIXTURE; CEILING MOUNTED ABBREVIATIONS AND SHALL BE USED AS A DICTIONARY TO DEFINE ITEMS INDICATED ON DRAWINGS. NOT ALL SYMBOLS OR LIGHTING FIXTURE; WALL MOUNTED ABBREVIATIONS ARE NECESSARILY USED ON THIS PROJECT. LIGHTING FIXTURE, SIZE APPROXIMATELY AS SHOWN; CEILING MOUNTED WIRING DEVICE SUBSCRIPT LEGEND LIGHTING FIXTURE, SIZE APPROXIMATELY AS ALL RECEPTACLE AND SWITCHES ARE MINIMUM 20A UNLESS NOTED SHOWN; WALL MOUNTED OTHERWISE RELAY CONTROL LIGHTING SYSTEM SWITCHES SHALL BE LIGHTING FIXTURE, CONTINUOUS ROW; CEILING LOW VOLTAGE C = COUNTER HEIGHT LIGHTING FIXTURE SUBSCRIPTIONS: NUMBER INDICATES CIRCUIT,  $\bigcirc$ 6 = NUMBER INDICATES CIRCUIT NUMBER LOWERCASE LETTER INDICATES SWITCH CONTROL UPPERCASE LETTER INDICATES FIXTURE TYPE NL INDICATES NIGHT LIGHT 2 = DOUBLE POLE SWITCH EM INDICATES EMERGENCY FIXTURE \$3 | 3 = THREE WAY SWITCH EXIT SIGN; ARROWS AS SHOWN, ILLUMINATED FACE AS INDICATED BY SHADING; WALL MOUNTED EXIT SIGN; ARROWS AS SHOWN, ILLUMINATED FACE 4 = FOUR WAY SWITCH AS INDICATED BY SHADING; CEILING MOUNTED EMERGENCY BATTERY UNIT (EBU) F = FAN SWITCH QUANTITY OF HEADS AS INDICATED K = KEY SWITCH **EXISTING EQUIPMENT** P = PILOT LIGHT SWITCH DASHED DENOTES EXISTING EQUIPMENT UNLESS T = THERMAL OVERLOAD/DISCONNECT SWITCH OTHERWISE INDICATED. EXISTING ITEM TO BE REMOVED AND CIRCUIT PULLED BACK TO NEXT ACTIVE OUTLET OR BACK TO PANEL. **ELECTRICAL DRAWING LIST** EXISTING ITEM TO REMAIN. E-001 ELECTRICAL LEGEND AND ABBREVIATIONS ELECTRICAL NOTES EXISTING ITEM TO BE REMOVED AND NEW ITEM AS ELECTRICAL SITE PLAN SPECIFIED INSTALLED ON EXISTING OUTLET, ELECTRICAL POWER PLAN RECONNECT TO EXISTING CIRCUIT ELECTRICAL LIGHTING PLAN E-301 ELECTRICAL FIRE ALARM PLAN EXISTING ITEM TO BE REMOVED, OUTLET BLANKED AND E-401 ELECTRICAL DIAGRAM AND SCHEDULES CIRCUIT EXTENDED TO NEW ITEM AS SHOWN. E-402 ELECTRICAL DIAGRAMS AND DETAILS

EXISTING ITEM TO BE REMOVED AND RELOCATED.

NEW LOCATION OF EXISTING RELOCATED ITEM.

**HOMERUN LEGEND** 

R21A-1,3,5 NOTED: PROVIDE 2#12 FOR EACH CIRCUIT PLUS A

R21A-1,3,5 ARROW SIGNIFIES BREAKER SIZE AND HOMERUN TO PANEL NOTED. REFER TO WIRING SCHEDULE.

ARROW SIGNIFIES HOMERUNS TO PANEL CIRCUIT

#12 GROUND WIRE. (IE: 3/4"C, 6#12 & 1#12 GND.)

(W) EXISTING ITEM TO BE REWIRED.

(30A-3P-NG) (IE: 3/4" 4#10 & 1#10 GND)

E-403 ELECTRICAL FIRE ALARM DIAGRAM AND NOTES

ED-101 ELECTRICAL DEMOLITION PLAN

WSP USA Buildings Inc
2 MONUMENT SQUARE, SUITE 200
PORTLAND, ME 04101
(207) 775-5401
wsp.com

Architects/Engineers:

STATE OF MAINE

DEPT OF AGRICULTURE, CONSERVATION AND FORESTRY
22 STATE HOUSE STATION
AUGUSTA, MAINE 04333-0022



WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS. THESE DRAWING SHALL BE COPIED FROM THE ORIGINAL BLUEPRINTS AND ARE APPROXIMATELY TO SCALE. IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE PROJECT AND SHALL NOTIFY THE ENGINEER OF ANY VARIATIONS FROM THE DIMENSIONS AND CONDITIONS SHOWN ON THESE DRAWINGS.

Α	ISSUED FOR BID	01-10-2025
NO.	REVISION	DATE



PROJECT

CONY ROAD BUILDING RENOVATION

OWNE

MAINE DEPARTMENT
OF AGRICULTURE,
CONSERVATION AND
FORESTRY

TITLE

ELECTRICAL LEGEND AND ABBREVIATIONS

PROJECT NO.: 3529230024

DATE: 01-10-2025

DWN. BY: S.O. CKD. BY: A.P.

SCALE: N.T.S.

#### **GENERAL NOTES:**

- 1. THE ELECTRIC CODE REFERRED TO SHALL BE THE MAINE ELECTRIC CODE LATEST EDITION AS WELL AS ALL LOCAL CODE REQUIREMENTS
- 2. VISIT THE SITE TO DETERMINE ALL PRE-EXISTING CONDITIONS AND WORK NECESSARY PRIOR TO SUBMISSION OF BID PRICE.
- 3. COORDINATE WITH THE GENERAL CONTRACTOR, OTHER TRADES AND MANUFACTURER'S SHOP DRAWINGS. COORDINATE EXACT LOCATIONS AND ROUGHING IN DIMENSIONS OF ALL EQUIPMENT AND MAKE ALL FINAL CONNECTIONS AS REQUIRED, I.E., POWER, CONTROL, INTERLOCK, ETC.
- 4. ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH OSHA, NFPA STANDARDS, THE ELECTRIC CODE AND THE LOCAL GOVERNING AUTHORITIES. THE DRAWINGS AND SPECIFICATIONS DO NOT ATTEMPT TO INDICATE ALL WORK REQUIRED BY CODES AND AUTHORITIES.
- 5. TEST ALL EQUIPMENT AND SYSTEMS INSTALLED TO CERTIFY COMPLIANCE WITH DRAWINGS, SPECIFICATIONS, CODES, LOCAL AUTHORITIES AND REGULATIONS. INCLUDE LABOR AND COSTS FOR TESTING, REVIEWS, APPROVALS AND CERTIFICATIONS.
- 6. PROVIDE TRAINING TO OWNER ON ALL EQUIPMENT AND SYSTEMS INSTALLED.
- 7. IN GENERAL, DRAWINGS ARE DIAGRAMMATIC ONLY. EXACT LOCATION, MOUNTING HEIGHTS OF EQUIPMENT AND ROUTING OF RACEWAYS SHALL BE COORDINATED WITH THE EQUIPMENT REQUIREMENTS AND FIELD CONDITIONS.
- 8. PROVIDE ALL INCIDENTAL ACCESSORIES NECESSARY TO MAKE THE ELECTRICAL WORK COMPLETE AND READY FOR OPERATION.
- 9. ELECTRIC METALLIC TUBING SHALL BE USED FOR BRANCH CIRCUIT HOMERUNS IN EXPOSED, UNFINISHED AREAS. MINIMUM SIZE SHALL BE 3/4 INCH. PROVIDE RIGID STEEL CONDUIT BELOW 8 FEET AND IN AREAS SUBJECT TO ABUSE. FLEXIBLE METALCONDUIT WITH PVC COATING SHALL BE USED FOR CONNECTIONS TO MOTORS AND VIBRATING EQUIPMENT.
- 10. STEEL SET SCREW TYPE FITTINGS MAY BE USED ON EMT OR FLEXIBLE METAL CONDUITS, UNLESS OTHERWISE INDICATED.
- 11. TYPE MC OR AC CABLE WITH A FULL SIZE, INSULATED, SEPARATE GREEN GROUND WIRE MAY BE USED AS PERMITTED BY STATE AND LOCAL CODES FOR BRANCH CIRCUIT WIRING IN CONCEALED AREAS.
- 12. SUPPORT ALL WORK FROM THE BUILDING STRUCTURE.
- 13. ELECTRICAL WORK SHALL BE RECESSED INTO WALLS OR INSTALLED ABOVE HUNG CEILINGS UNLESS OTHERWISE INDICATED.
- 14. DO NOT INSTALL OUTLETS BACK TO BACK. PROVIDE 24 INCH SPACING IN FIRE
- 15. PROVIDE ELECTRICAL OUTLET PLATE GASKETS SEALS AT RECEPTACLES. SWITCHES AND OTHER ELECTRICAL BOXES ON EXTERIOR WALLS AND INTERIOR WALLS BETWEEN CONDITIONED AND NON-CONDITIONED SPACES.
- 16. WIRE AND CONDUIT SIZES INDICATED ON HOMERUNS SHALL BE CONTINUOUS THROUGHOUT CIRCUIT.
- 17. FURNISH AND INSTALL CODE REQUIRED STARTERS AND DISCONNECTS WHICH ARE NOT FURNISHED WITH THE EQUIPMENT
- 18. INSTALL A GREEN GROUNDING CONDUCTOR WITHIN EACH RACEWAY SIZED IN ACCORDANCE WITH THE ELECTRIC CODE.
- 19. INSTALLATION OF RACEWAYS UNDER THE BUILDING OR IN THE FLOOR SLAB WILL NOT BE ACCEPTABLE UNLESS SPECIFICALLY INDICATED OTHERWISE
- 20. PROVIDE WATERTIGHT AND GAS-TIGHT SEALS INSIDE AND OUTSIDE OF CONDUITS THAT PENETRATE THE BUILDING BELOW GRADE, O.Z. GEDNEY OR APPROVED EQUAL. PROVIDE WEATHER-TIGHT SEAL AT PENETRATIONS ABOVE GRADE.
- 21. PROVIDE NRTL LISTED SMOKE AND FIRE SEALS AT ALL PENETRATIONS THROUGH FLOORS OR FULL HEIGHT (SLAB TO SLAB) WALLS.
- 22. USE CAUTION TO AVOID DAMAGE TO EXISTING UTILITY LINES AND/OR HARM TO PERSONNEL WORKING IN THESE AREAS.
- 23. ALL BRANCH CIRCUIT CONDUCTORS SHALL BE COPPER MINIMUM #12 AWG. SIZE UNLESS OTHERWISE INDICATED
- 24. ALL CONDUCTORS INSTALLED UNDERGROUND SHALL BE COPPER, SIZE AS INDICATED, USE-2/RHW-2 INSULATION, 600 VOLTS RATED UNLESS OTHERWISE
- 25. TEMPORARY LIGHTING AND POWER SHALL BE PROVIDED AS REQUIRED BY OSHA, CODES AND LOCAL AUTHORITIES. REMOVE ALL TEMPORARY FACILITIES AT PROJECT COMPLETION.

#### LIGHTING FIXTURE NOTES:

- 1. FURNISH ALL LIGHTING FIXTURES COMPLETE WITH MOUNTING ACCESSORIES TO MEET THE JOB REQUIREMENTS. VERIFY CEILING AND GRID TYPE PRIOR TO ORDERING FIXTURES. USE THE LATEST ARCHITECTURAL DRAWINGS.
- 2. VERIFY FIXTURE MOUNTING, HEIGHTS AND LOCATION AGAINST PLANS, ELEVATIONS AND DETAIL DRAWINGS. EXACT LOCATION OF FIXTURES SHALL BE CONFIRMED WITH THE ARCHITECT PRIOR TO ROUGHING IN.
- 3. FIXTURES SHALL BE SUPPORTED FROM THE BUILDING STRUCTURE, INDEPENDENT OF HUNG CEILING, REFER TO SPECIFICATIONS.
- 4. FINISH COLOR AS SELECTED BY THE ARCHITECT.
- 5. ALL LIGHTING FIXTURES IN EACH ROOM/AREA SHALL BE INSTALLED SO THAT THE ORIENTATION OF LAMPS, BASKETS, DIFFUSERS, ETC. ARE IN A CONSISTENT MANNER THROUGHOUT THAT ROOM/AREA. PRIOR TO INSTALLATION COORDINATE WITH THE ARCHITECT.
- 6. ALL EXIT SIGNS AND EMERGENCY BATTERY UNIT SHALL BE WIRED AHEAD OF ALL CONTROLS FOR CONSTANT AC INPUT.
- 7. WHERE PHOTOSENSORS ARE INDICATED IN A ROOM/AREA THEY SHALL PROVIDE ADDITIONAL CONTROL FOR EACH LIGHTING FIXTURE IN THAT ROOM/AREA, EXCEPT AS FOLLOWS:
- A. DESIGNATED 24/7 NIGHTLIGHTS;
- B. EXIT SIGNS, EMERGENCY BATTERY UNITS AND EMERGENCY BATTERY BACKUP
- C. CORD AND PLUG UNDER COUNTER/CABINET LIGHTING FIXTURES
- D. PHOTOSENSORS DESIGNATED WITH A LOWER CASE LETTER(S) (a,b,c,etc.) SHALL ONLY CONTROL LIGHTING FIXTURES THAT INCLUDE ONE OR MORE OF THOSE
- 8. WHERE A LIGHTING FIXTURE IS SCHEDULED WITH A REMOTE LED DRIVER, THE DRIVER LOCATION REQUIREMENTS SHALL BE AS FOLLOWS:
  - A. REMOTE LED DRIVERS FOR LIGHTING FIXTURES SERVING THE BEDROOMS SHALL BE LOCATED ON THE WALL ABOVE THE ACCESSIBLE SUSPENDED CEILING OUTSIDE THE SPECIFIC BEDROOM.
- B. REMOTE LED DRIVERS FOR ALL OTHER INDOOR LIGHTING FIXTURES SHALL BE LOCATED WALL MOUNTED ABOVE THE NEAREST ACCESSIBLE SUSPENDED CEILING SPACE TO THE SPECIFIC LIGHTING FIXTURE FOR THAT DRIVER.
- C. REMOTE LED DRIVERS FOR EXTERIOR BUILDING MOUNTED LIGHTING FIXTURES SHALL BE LOCATED WALL MOUNTED ABOVE THE NEAREST INTERIOR ACCESSIBLE SUSPENDED CEILING SPACE TO THE SPECIFIC LIGHTING FIXTURE FOR THAT DRIVER.
- PRIOR TO INSTALLATION OF REMOTE LED DRIVERS COORDINATE EXACT LOCATIONS WITH THE ARCHITECT. AND CONFIRM ALL DRIVER AND LIGHTING FIXTURE MANUFACTURERS REQUIREMENTS FOR INSTALLATION.
- 10. REMOTE LED DRIVERS INSTALLED INDOORS SHALL BE INSTALLED IN STEEL BOXES WITH LOUVERED SCREW FASTENED STEEL COVERS. BOXES SHALL BE CUSTOM SIZED FOR AIR CIRCULATION FOR THE DRIVERS.
- 11. ALL LOW VOLTAGE WIRING SHALL BE INSTALLED IN CONDUITS MEETING ALL REQUIREMENTS OF THE SPECIFICATIONS AND THE DRAWINGS FOR THE SPECIFIC APPLICATIONS.
- 12. INCLUDE ALL REMOTE LED DRIVER LOCATIONS AND HANDHOLE LOCATIONS ON THE AS-BUILT DRAWINGS. IDENTIFY THE LIGHTING FIXTURE CONTROLLED BY EACH DRIVER.

# CONTROLLED RECEPTACLE NOTES

- 1. PROVIDE COMPLETE WIRING SYSTEMS FOR CIRCUITING AND CONTROL AS INDICATED.
- 2. UTILIZE THE DEDICATED OCCUPANCY SENSORS FOR THE SAME ROOM. PROVIDE AND WIRE SEPARATE DEDICATED POWER PACKS FOR RECEPTACLE CONTROL.
- OCCUPANCY/VACANCY SENSORS FOR LIGHTING CONTROL ARE INDEPENDENT OF THE SENSORS FOR RECEPTACLE CONTROL AND SHALL NOT AFFECT RECEPTACLES.

#### WIRING NOTES:

REQUIRED.

- 1. RACEWAYS ARE INDICATED ON DRAWINGS ONLY FOR SPECIFIC ROUTES OR SPECIAL CONDITIONS.
- 2. WIRING AND CONDUIT SHALL BE REQUIRED BETWEEN ALL OUTLETS INDICATED WITH CIRCUIT NUMBERS AND PANEL DESIGNATIONS.
- 3. ALL SWITCH CONTROLS SHALL BE PROVIDED WITH WIRING AND CONDUIT AS
- 4. ALTHOUGH NOT ALL BRANCH CIRCUIT WIRE AND CONDUIT IS SHOWN, IT IS THE INTENT OF THESE DOCUMENTS THAT A COMPLETE BRANCH CIRCUIT WIRING SYSTEM BE INSTALLED.
- 5. RACEWAYS SHALL BE LIMITED TO SIX CURRENT CARRYING CONDUCTORS (THREE PHASE AND THREE NEUTRALS) AND GROUNDING CONDUCTOR, UNLESS OTHERWISE INDICATED. PROVIDE A DEDICATED NEUTRAL CONDUCTOR FOR EACH SINGLE PHASE CIRCUIT, EXCEPT FOR LIGHTING CIRCUITS, UNLESS AN OVERSIZED NEUTRAL IS SPECIFICALLY INDICATED.
- 6. WIRING INDICATED BY CIRCUIT NUMBER SYMBOL SHALL INCLUDE A NEUTRAL WHEN THE LOAD SERVED HAS PROVISIONS FOR, OR REQUIRES A NEUTRAL.
- 7. PRIOR TO INSTALLATION OF ANY OUTLETS, COORDINATE WITH ARCHITECT OR EXACT LOCATIONS. LOCATIONS OF OUTLETS ON ARCHITECTURAL DRAWINGS AND/OR DIRECTION BY ARCHITECT FOR OUTLET LOCATIONS SHALL SUPERSEDE THE OUTLET LOCATIONS ON THE ELECTRICAL PLANS. QUANTITIES SHALL NOT BE LESS THAN THOSE INDICATED ON THE ELECTRICAL PLANS. OUTLETS INDICATED ON ONE SET OF DRAWINGS (ARCHITECTURAL OR ELECTRICAL) AND NOT INDICATED ON THE OTHER SET SHALL BE PROVIDED AND WIRED.
- 8. SPECIAL CONFIGURATION RECEPTACLES SHALL MATCH NEMA CONFIGURATION OF CORD & PLUG FOR EQUIPMENT TO BE PLUGGED IN TO THAT RECEPTACLE. CIRCUIT BREAKER TRIP AMPERE RATING SHALL MATCH THAT OF CORD AND PLUG FOR EQUIPMENT. CIRCUIT CONDUCTORS AMPERE RATING AT 60°C COLUMN OF 310-15(B)(16) OF THE NEC SHALL MATCH OR EXCEED TRIP AMPERE RATING OF THE CIRCUIT BREAKER

#### <u>LIGHTING CONTROL GENERAL NOTES:</u>

LIMITED TO:

- 1. ALL LIGHTING CONTROL OCCUPANCY SENSORS, VACANCY SENSORS, PHOTOSENSORS AND LOW VOLTAGE SWITCHES SHALL BE OF THE SAME MANUFACTURER. 2. IN ADDITION TO ALL POWER CIRCUIT WIRING SYSTEMS FOR LIGHTING, PROVIDE ALL WIRING SYSTEMS FOR LIGHTING CONTROL WHICH SHALL INCLUDE BUT NOT BE
- a. SWITCHED HOT CONDUCTOR FOR 3 WIRE DIMMING.
- b. LOW VOLTAGE VIOLET & PINK CONDUCTORS FOR 0-10V CONTROL AND DIMMING.
- c. SYSTEM CONTROL CABLES (LUTRON ECO, ETHERNET, CRESTNET, MSTP, ETC.)
- 4. LINE VOLTAGE CONDUCTORS AND LOW VOLTAGE CONDUCTORS SHALL NOT SHARE THE SAME RACEWAYS, ENCLOSURES OR CABLE ASSEMBLIES. UL LISTED STEEL JACKETED LUMINARY MC CABLES MAY ONLY BE UTILIZED FOR APPLICATIONS WHERE THE SPECIFICATIONS ALLOW MC CABLES INSTALLATION.
- 5. UNLESS SPECIFIED OTHERWISE, ALL LIGHTING ZONES SHALL BE FULLY DIMMABLE
- 6. WEHRE A ROOM INCLUDES MULTIPLE OCCUPANCY/VACANCY LIGHTING CONTROL SENSORS, ACTIVATION OF ANY OCCUPANCY/VACANCY LIGHTING CONTROL SENSOR SHALL CONTROL ALL LIGHTING IN THE ROOM UNLESS OTHERWISE NOTED. OCCUPANCY SENSORS FOR RECEPTACLE CONTROL ARE INDEPENDENT OF THE SENSORS FOR LIGHTING CONTROL AND SHALL NOT AFFECT LIGHTING.

# **EXTERIOR LIGHTING WIRING NOTES:**

- PROVIDE COMPLETE WIRING SYSTEMS FOR CIRCUITING AND CONTROL AS INDICATED.
- 2. ALL CONDUCTORS SHALL BE RATED FOR WET LOCATIONS.
- 3. PROVIDE ALL SETTINGS OF TIME SWITCHES IN PRESENCE OF OWNER, AND CARRY IN BID ALL COSTS FOR ADDITIONAL SETTING FOR EACH TIME SWITCH.
- 4. PROVIDE PHENOLIC LABELING AT EACH TIME SWITCH TO DESIGNATE THE CIRCUIT CONTROLLED, AND THE ROOM NAME AND NUMBER OF THEPANELBOARD SERVING THE CIRCUIT. FOR EMERGENCY CIRCUITS LIST IN ADDITION TO THE CIRCUIT DESIGNATION AND PANELBOARD LOCATION "VIA EMERGENCY OVERRIDE RELAY" AND LIST THE LOCATION OF THE RELAY. COLOR CODE OF THE PHENOLIC LABELS SHALL BE AS PER THE SPECIFICATIONS FOR THE RESPECTIVE NORMAL POWER AND EMERGENCY POWER SYSTEMS.

#### **DEMOLITION NOTES**

- 1. REFER TO SPECIFICATIONS FOR ADDITIONAL DEMOLITION REQUIREMENTS.
- 2. DEMOLITION DRAWINGS ARE BASED ON EXISTING PLANS AND FIELD INVESTIGATION. PRIOR TO BID, ELECTRICAL CONTRACTOR SHALL VISIT THE GENERAL CONTRACTOR UNLESS OTHERWISE INDICATED. COORDINATE ALL WORK CONCERNING EXISTING EQUIPMENT AND SERVICES REMAINING IN THE BUILDING. DE-ENERGIZE CIRCUITS AND RECONNECT CIRCUITS TO REMAIN THAT ARE DISRUPTED DURING DEMOLITION.
- 3. IN AREAS WHERE NEW LIGHTING IS INDICATED, REMOVE EXISTING FIXTURES AND REMOVE OR DEAD END AND ABANDON EXISTING WIRING AS
- 4. WHERE EXISTING OUTLETS ARE NOT TO BE REUSED, THEY SHALL BE REMOVED AND THE WIRING REMOVED OR DEAD ENDED AS
- WHERE EXISTING EQUIPMENT IS TO BE RELOCATED, THE EXISTING WIRING SHALL BE EXTENDED TO THE NEW LOCATION OR REMOVED OR ABANDONED AND NEW WIRING INSTALLED AS INDICATED.
- 7. WHERE EXISTING OUTLETS ARE TO REMAIN AND ARE CUT OFF BY THE REMODELING THEY SHALL HAVE THEIR WIRING EXTENDED AND
- 8. WHERE EXISTING EQUIPMENT IS INDICATED TO BE REMOVED DISCONNECT EQUIPMENT AND LOWER TO FLOOR FOR REMOVAL FROM AREA BY THE GENERAL CONTRACTOR. OFFER EQUIPMENT TO OWNER. DISPOSE OF
- 9. WIRING INDICATED TO BE REMOVED OR SERVING EQUIPMENT TO BE REMOVED SHALL BE REMOVED BACK TO THE SOURCE OR TO THE NEXT JUNCTION POINT IF THE WIRING SERVES OTHER OUTLETS TO REMAIN. CONDUIT OVER UNDISTURBED CEILINGS SHALL REMAIN AND BE LABELED ABANDONED ON EACH END. CONDUIT UNDERGROUND OR IN CONCRETE SLABS SHALL BE MADE FLUSH AND SEALED WATERTIGHT AND GAS-TIGHT
- 10. RECONNECT EXISTING CIRCUITRY WHICH ORIGINATES OR PASSES THROUGH THE RENOVATED AREAS BUT SERVES OTHER AREAS NOT BEING RENOVATED. EXTEND THESE CIRCUITS AS MAY BE NECESSARY TO THE EXISTING PANELBOARDS.
- 11. COORDINATE WORK CONCERNING EXISTING EQUIPMENT AND SERVICES IN THE BUILDING. COORDINATE REQUIRED POWER INTERRUPTIONS AND PERFORM AT TIME CONVENIENT TO OWNER. INCLUDE COSTS FOR REQUIRED PREMIUM TIME.
- EXISTING BRANCH CIRCUIT WIRING WHICH IS TO BE REUSED FOR NEW EQUIPMENT. WIRING FOUND TO BE NON-FUNCTIONAL SHALL BE REPLACED
- CONTRACTOR THAT AN EXISTING CIRCUIT BECOMES SPARE, THE CONTRACTOR SHALL UPDATE THE PANELBOARD DIRECTORY TO INDICATE SUCH, EVEN IF IT IS NOT EXPLICITLY MARKED ON THE ELECTRICAL PLANS.
- FITTINGS, MOUNTING DEVICES, MOUNTING HARDWARE ETC. PROVIDE CONDUIT PLUGS AND BLANKS FOR ALL OPENINGS CREATED BY THE REMOVAL OF CONDUIT.
- USED FOR ITEMS INCLUDING, BUT NOT LIMITED TO, AS FOLLOWS.
- AFFECTING/AFFECTED BY THE WORK OF THIS PROJECT.
- C. REQUIREMENTS TO MAINTAIN EXISTING EQUIPMENT THAT WOULD BE
- D. DETERMINE EXISTING CIRCUITS SERVING EQUIPMENT FOR DEMOLITION, RE-WIRING, UPDATED LABELING, AND UPDATED TYPEWRITTEN PANELBOARD DIRECTORIES.
- 16. COORDINATE WITH OWNER AND GENERAL CONTRACTOR PRIOR TO ANY SHUTDOWNS AND PRIOR TO INVESTIGATIONS OUTSIDE THE RENOVATED



- THE SITE IN ORDER TO BECOME FAMILIAR WITH THE EXISTING CONDITIONS AND AVOID CONFLICTS. GENERAL DEMOLITION WORK SHALL BE DONE BY
- REQUIRED BY JOB CONDITIONS.
- REQUIRED BY JOB CONDITIONS.
- 6. REMOVE EXPOSED OR ACCESSIBLE WIRING, TO EQUIPMENT OR OUTLETS TO BE REMOVED OR RELOCATED. UNLESS OTHERWISE INDICATED.
- CONNECTED TO CIRCUITS AS REQUIRED BY JOB CONDITIONS.
- EQUIPMENT THE OWNER DOES NOT WISH TO RETAIN.
- USING O.Z. GEDNEY OR EQUAL FITTINGS.
- 12. BE RESPONSIBLE FOR VERIFYING THE INTEGRITY AND CONDITION OF THE
- 13. IF DURING THE COURSE OF CONSTRUCTION, IT IS DETERMINED BY THE
- 14. ALL CONDUIT REMOVED SHALL BE REMOVED IN ITS ENTIRETY, INCLUDING
- 15. INCLUDE IN BID ALL INVESTIGATION OF AND TRACING OF EXISTING CIRCUITS AS REQUIRED FOR ALL WORK OF THIS PROJECT. THIS SHALL BE
- A. DETERMINATION OF UPSTREAM AND DOWNSTREAM EQUIPMENT
- B. INTERCEPTION OF EXISTING CIRCUITS
- AFFECTED BY DEMOLITION AND OTHER WORK OF THIS PROJECT.

| Architects/Engineers:



STATE OF MAINE DEPT OF AGRICULTURE, CONSERVATION AND FORESTRY 22 STATE HOUSE STATION

**AUGUSTA, MAINE 04333-0022** 

(207) 287-3200



WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS. THESE DRAWING SHALL BE COPIED FROM THE ORIGINAL BLUEPRINTS AND ARE APPROXIMATELY TO SCALE. IT IS TH CONTRACTORS RESPONSIBILITY TO VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE PROJECT AND SHALL NOTIFY THE ENGINEER OF ANY VARIATIONS FROM THE DIMENSIONS AND CONDITIONS SHOWN ON THESE DRAWINGS.

Α	ISSUED FOR BID	01-10-2025
NO.	REVISION	DATE
AND THE PROPERTY OF THE PARTY O	MELISSA SIERRA 18357 CENSE 01/10/2025	

PROJECT

CONY ROAD BUILDING RENOVATION

OWNER

MAINE DEPARTMENT OF AGRICULTURE, CONSERVATION AND FORESTRY

ELECTRICAL NOTES

PROJECT NO.: 3529230024 DATE: 01-10-2025 DWN. BY: S.O. | CKD. BY: A.P

SCALE: N.T.S.

E-002

WSP USA Buildings Inc
2 MONUMENT SQUARE, SUITE 200
PORTLAND, ME 04101
(207) 775-5401

Architects/Engineers:

STATE OF MAINE

DEPT OF AGRICULTURE, CONSERVATION AND FORESTRY
22 STATE HOUSE STATION

AUGUSTA, MAINE 04333-0022

wsp.com



WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS. THESE DRAWING SHALL BE COPIED FROM THE ORIGINAL BLUEPRINTS AND ARE APPROXIMATELY TO SCALE. IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE PROJECT AND SHALL NOTIFY THE ENGINEER OF ANY VARIATIONS FROM THE DIMENSIONS AND CONDITIONS SHOWN ON THESE DRAWINGS.

THE ENGINEER OF ANY VARIATIONS FROM THE DIMENSIONS AND CONDITIONS SHOWN ON THESE DRAWINGS.

A ISSUED FOR BID 01-10-2025

NO. REVISION

DATE



PROJECT

CONY ROAD BUILDING RENOVATION

OWI

MAINE DEPARTMENT
OF AGRICULTURE,
CONSERVATION AND
FORESTRY

TITLE

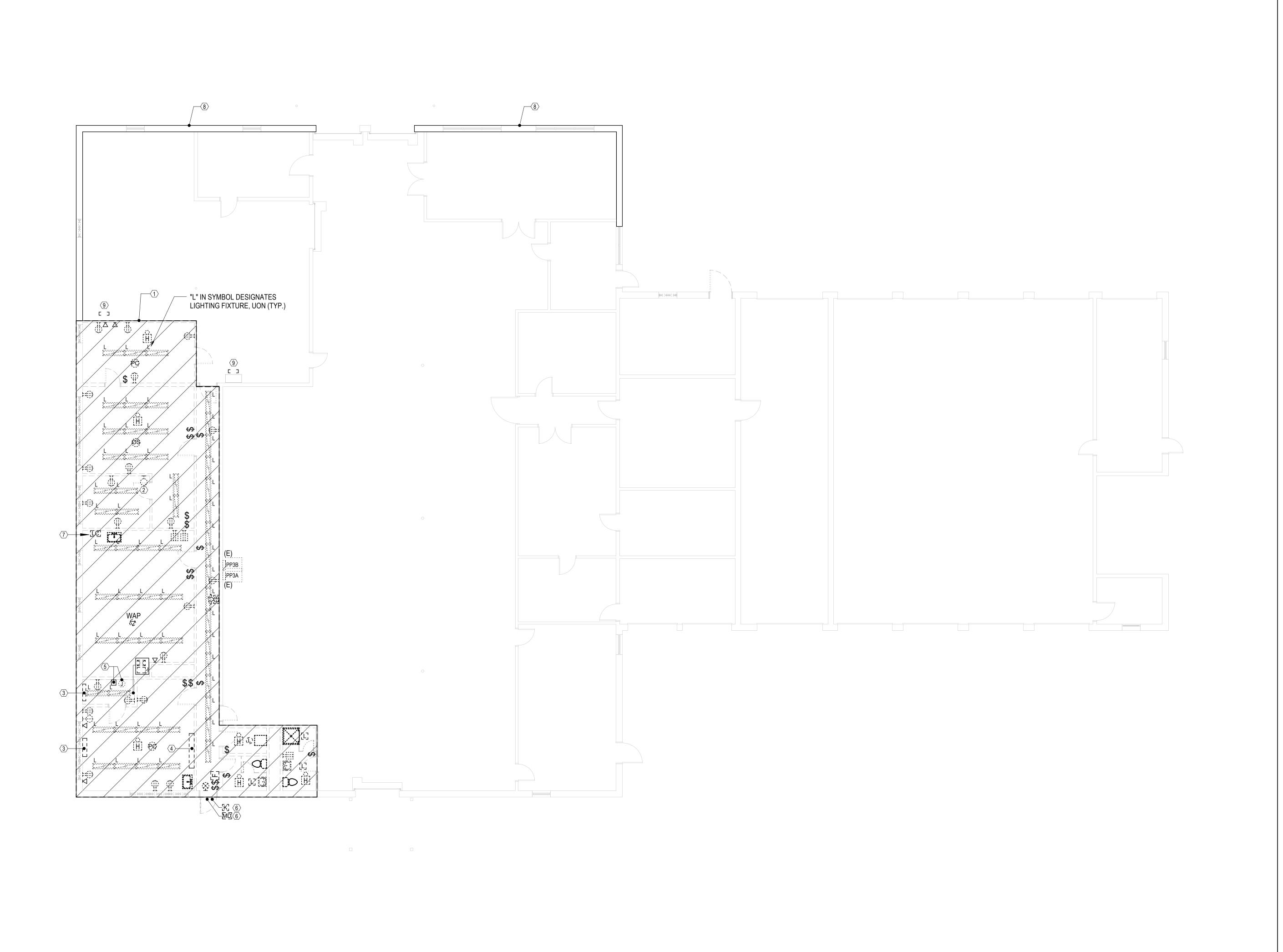
ELECTRICAL SITE PLAN

PROJECT NO.: 3529230024

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

DATE: 01-10-2025

DWN. BY: S.O. CKD. BY: A.P.



#### KEY NOTES:

- ALL ELECTRICAL EQUIPMENT AND FIRE ALARM EQUIPMENT (LIGHTING, CONTROLS, DEVICES, BOXES, MULTI-OUTLET ASSEMBLIES, CONDUITS, CABLES, CONDUCTORS, SUPPORTS, ETC.) IN ROOMS/ AREAS INDICATED BY DIAGONAL HATCHING SHALL BE DEMOLISHED WHETHER OR NOT INDICATED ON THE PLANS, UNLESS OTHERWISE INDICATED AND/OR REQUIRED TO MAINTAIN OPERATION OF EXISTING TO REMAIN EQUIPMENT WITHIN THIS AREA OR AREAS OUTSIDE OF THESE ROOMS/AREAS. THIS INCLUDES ALL ELECTRICAL AND FIRE ALARM ON/IN WALLS AND FLOORS, ON/IN AND ABOVE CEILINGS, AND MOUNTED TO FURNISHED, MILLWORK, BENCHES, ETC.
- ② SPECIAL CONFIGURATION RECEPTACLE TO BE DEMOLISHED.
- MECHANICAL EQUIPMENT TO BE DEMOLISHED BY HVAC INSTALLER. DEMOLISH ALL LINE VOLTAGE CIRCUIT WIRING SYSTEMS, DISCONNECTS CONTROLS. COORDINATE WITH HVAC INSTALLER.
- 4 MULTI-OUTLET ASSEMBLY TO BE DEMOLISHED.
- 5 HEATING AND AC RELAY TO BE DEMOLISHED. COORDINATE WITH THE HVAC INSTALLER.
- 6 SECURITY KEYPAD AND MOTION DETECTOR TO BE DEMOLISHED. WIRING SHALL BE REMOVED BACK TO THE SECURITY HEAD END EQUIPMENT. COORDINATE WITH THE OWNER'S SECURITY PERSONNEL.
- 7 LOAD CENTER TO BE DEMOLISHED.
- 8 UNDER BID ALTERNATE BA1 THE EXISTING WALL WILL BE FURRED OUT WITH AA NEW STUD AND DRYWALL WALL. SCOPE OF WORK SHALL BE AS FOLLOWS:
  - a. ELECTRICAL DEVICE: REMOVE THE COVER PLATE.
    DISCONNECT AND REMOVE THE DEVICE. INSTALL
    WIRE NUTS FOR THE CONDUCTORS. PROVIDE
    STEEL BOX EXTENDERS SO THAT DEVICE WILL BE
    FLUSH TO THE NEW WALL SURFACE. RE-INSTALL
    AND RECONNECT THE DEVICE. RE-INSTALL THE
    COVER PLATE.
- b. FIRE ALARM DEVICE: REMOVE AND STORE THE DEVICE. PULL BACK THE CONDUCTORS TO THE NEXT ACTIVE DEVICES ON THE CIRCUITS. PROVIDE STEEL BOX EXTENDERS SO THAT THE DEVICE WILL BE FLUSH TO THE NEW WALL SURFACE. PROVIDE WIRING SYSTEMS FROM THE EXISTING DEVICES TO THIS LOCATION.
- c. RECESSED MOUNTED TEL/DATA DEVICE: PRIOR TO START OF WORK COORDINATE WITH THE OWNER'S TEL/DATA PERSONNEL. AFTER THE DEVICE AND WIRING HAVE BEEN REMOVED BY TEL/DATA, PROVIDE BOX EXTENDERS SO THAT THE DEVICE WILL BE FLUSH TO THE NEW WALL SURFACE.
  d. SURFACE MOUNTED TEL/DATA DEVICE: PRIOR TO
- d. SURFACE MOUNTED TEL/DATA DEVICE: PRIOR TO START OF WORK COORDINATE WITH THE OWNER' TEL/DATA PERSONNEL. AFTER THE DEVICE AND WIRING HAVE BEEN REMOVED BY TEL/DATA, DEMOLISH THE BOX AND CONDUIT.
- ELECTRIC UNIT HEATER TO BE REMOVED AND REINSTALLED BY HVAC FOR THE DEMOLITION WORK. EC
  SHALL DE-ENERGIZE THE UNIT, DISCONNECT THE WIRING
  AND REMOVE AND STORE THE DISCONNECT SWITCH.
  MAKE SAFE THE WIRING. WHEN RE-INSTALLED BY HVAC,
  EC SHALL RE-INSTALL THE DISCONNECT AND EXTEND THE
  WIRING TO THE UNIT VIA THE DISCONNECT.

Architects/Engineers:



STATE OF MAINE

DEPT OF AGRICULTURE, CONSERVATION AND FORESTRY
22 STATE HOUSE STATION
AUGUSTA, MAINE 04333-0022
(207) 287-3200



WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS. THESE DRAWING SHALL BE COPIED FROM THE ORIGINAL BLUEPRINTS AND ARE APPROXIMATELY TO SCALE. IT IS T CONTRACTORS RESPONSIBILITY TO VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE PROJECT AND SHALL NOTIFY THE ENGINEER OF ANY VARIATIONS FROM THE DIMENSIONS AND

A	1990ED FOR BID	01-10-2025
NO.	REVISION	DATE
M. Linishmini M.	MELISSA SIERRA 18357 CENSE 01/10/2025	

PROJECT

CONY ROAD BUILDING RENOVATION

OWNER

MAINE DEPARTMENT OF AGRICULTURE, CONSERVATION AND FORESTRY

TLE

ELECTRICAL DEMOLITION PLAN

PROJECT NO.: 3529230024

DATE: 01-10-2025

DWN. BY: S.O. | CKD. BY: A.P. | ED-101

- BOILER ROOM EQUIPMENT KEY NOTES.
- (A) EXISTING TO REMAIN AUTOMATIC TRANSFER SWITCH. SEE THE POWER DISTRIBUTION DIAGRAM FOR ADDITIONAL INFORMATION.
- (B) EXISTING TO REMAIN MAIN BUILDING POWER DISCONNECT
- © EXISTING TO REMAIN CURRENT TRANSFORMER (CT)
  CABINET. EXISTING WIRING SUSTEMS TO BE RE-WORKED
  ARE INSTALLED THROUGH THE EQUIPMENT. COORDINATE
  WITH THE UTILITY COMPANY BEFORE THE START OF WORK.
  SEE THE POWER DISTRIBUTION DIAGRAM FOR ADDITIONAL
  INFORMATION
- (D) EXISTING MAIN PANELBOARD TO REMAIN AND BE REFED. SEE THE POWER DISTRIBUTION DIAGRAM FOR ADDITIONAL INFORMATION.
- (E) NEW MAIN DISTRIBUTION PANELBOARD. EQUIPMENT BASED ON EATON PRL4B SERIES, MAXIMUM WIDTH 24"
- (F) MECHANICAL EQUIPMENT SHOWN FOR REFRANCE LOCATIONS (TYPICAL)

2 BOILER ROOM PART PLAN E-101 1/4" = 1'-0"

#### KEY NOTES:

- (1) ALL WORK IN FUTURE TRAINING SPACE 119 IS BID ALTERNATE BA1.
- ② REFRIGERATIOIN EQUIPMENT. FURNISH, INSTALL AND WIRE TO 20A-1P CIRCUIT BREAKER IN EXISTING PANELBOARD PP3A.
- POWER AND TELECOMMUNICATION OUTLETS FOR TV.
  COORDINATE WITH THE ARCHITECT AND THE OWNER FOR
  THE EXACT LOCATIONS AND MOUNTING HEIGHTS.
- THE CONTROLLED RECEPTACLES IN THIS ROOM SHALL UTILIZE THE OCCUPANCY SENSOR(S) WITHIN THE ROOM FOR ON/OFF CONTROL. PROVIDE AND WIRE A DEDICATED POWER PACK FOR THE CONTROLLED RECEPTACLES IN EACH ROOM IN ADDITION TO THE POWER PACK(S) FOR LIGHTING CONTROL FROM THE OCCUPANCY SENSORS.
- 5 POWER OUTLETS FOR WASHER AND DRYER. COORDINATE EXACT LOCATIONS WITH ARCHITECT.
- 6 20A-1P GFCI CIRCUIT BREAKER.
- DISPOSAL: 120V. WIRE TO OUTLET VIA SWITCH ABOVE COUNTER. LABEL SWITCH TO READ "DISPOSAL" AND LIST THE CIRCUIT DESIGNATION. IN ADDITION, PROVIDE MOTOR RATED TOGGLE DISCONNECT SWITCH BELOW CONTER AT EQUIPMENT.
- **8** WATER PURIFICATION SYSTEM: 120V.
- CEILING MOUNTED TELECOMMUNICATIONS WIRELESS
   ACCESS POINT OUTLET. ALL WAP WORK BY
   TELECOMMUNICATIONS INSTALLER. SHOWN FOR
   LOCATION REFERENCE

Architects/Engineers:



STATE OF MAINE

DEPT OF AGRICULTURE, CONSERVATION AND FORESTRY

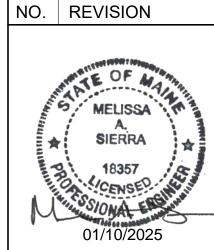
22 STATE HOUSE STATION

AUGUSTA, MAINE 04333-0022



WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS. THESE DRAWING SHALL BE COPIED FROM THE ORIGINAL BLUEPRINTS AND ARE APPROXIMATELY TO SCALE. IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE PROJECT AND SHALL NOTIFY THE ENGINEER OF ANY VARIATIONS FROM THE DIMENSIONS AND

IONDI	TIONS SHOWN ON THESE DRAWINGS.	
Α	ISSUED FOR BID	01-10-2025
10.	REVISION	DATE



PROJECT

CONY ROAD BUILDING RENOVATION

OWNER

MAINE DEPARTMENT OF AGRICULTURE, CONSERVATION AND FORESTRY

TLE

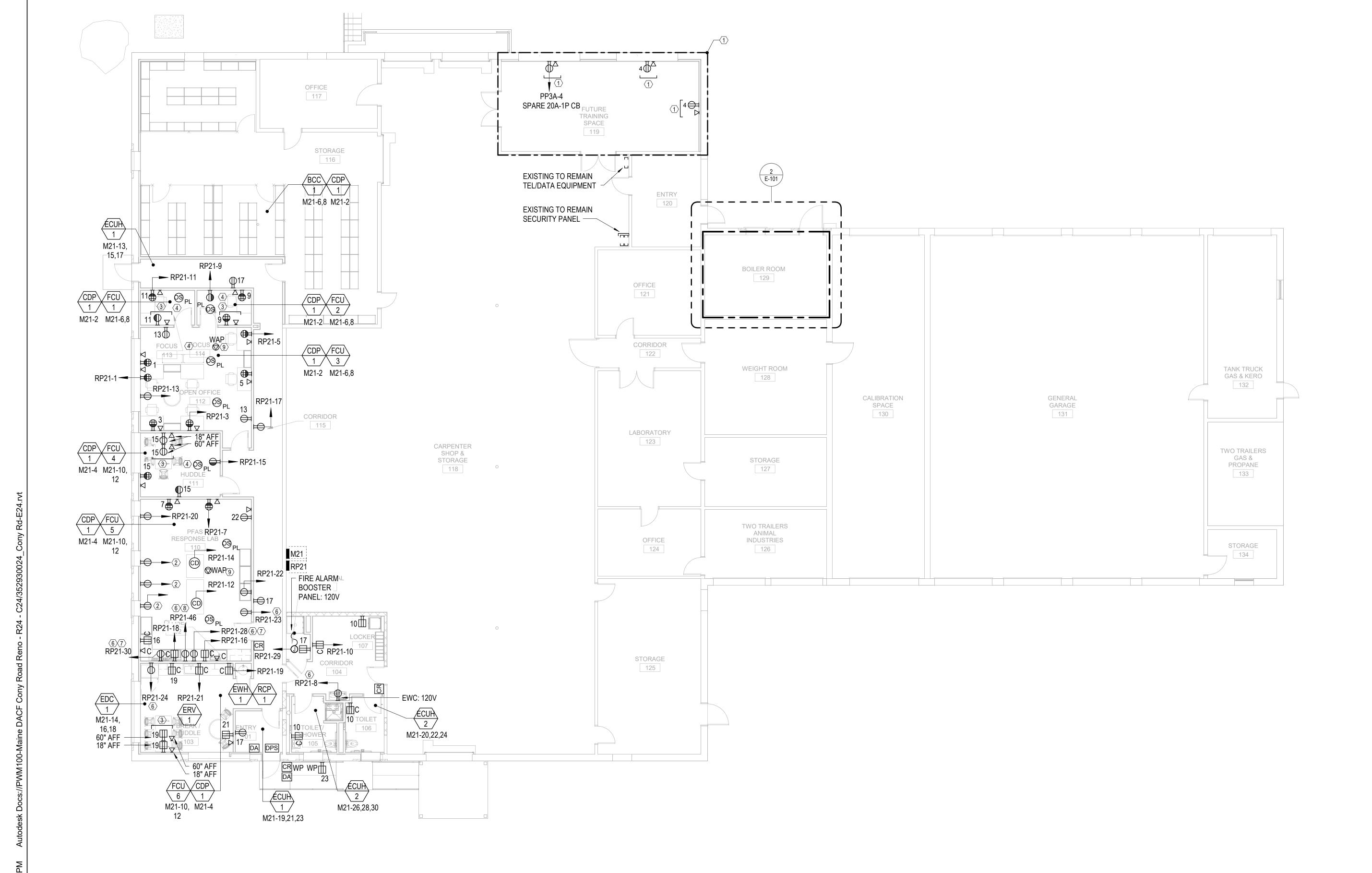
ELECTRICAL POWER PLAN

PROJECT NO.: 3529230024

DATE: 01-10-2025

DWN. BY: S.O. CKD. BY: A.P.

SCALE: As indicated



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

Power Floor Plan

KEY NOTES: 1 BASE BID ONLY 2 MONUMENT SQUARE, SUITE 200 PORTLAND, ME 04101 (207) 775-5401 wsp.com

Architects/Engineers:

STATE OF MAINE 22 STATE HOUSE STATION AUGUSTA, MAINE 04333-0022 (207) 287-3200



WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS. THESE DRAWING SHALL BE COPIED FROM

A ISSUED FOR BID 01-10-2025 DATE

NO. REVISION



PROJECT

CONY ROAD BUILDING RENOVATION

MAINE DEPARTMENT OF AGRICULTURE, CONSERVATION AND FORESTRY

ELECTRICAL LIGHTING PLAN

PROJECT NO.: 3529230024

DATE: 01-10-2025 DWN. BY: S.O. CKD. BY: A.P.

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

E-201



WSP USA Buildings Inc
2 MONUMENT SQUARE, SUITE 200
PORTLAND, ME 04101
(207) 775-5401
wsp.com

Architects/Engineers:

STATE OF MAINE
PT OF AGRICULTURE, CONSERVATION AND FOR



WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS. THESE DRAWING SHALL BE COPIED FROM THE ORIGINAL BLUEPRINTS AND ARE APPROXIMATELY TO SCALE. IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE PROJECT AND SHALL NOTIFY THE ENGINEER OF ANY VARIATIONS FROM THE DIMENSIONS AND CONDITIONS SHOWN ON THESE DRAWINGS.

A ISSUED FOR BID 01-10-2025

NO. REVISION DATE



PROJECT

CONY ROAD BUILDING RENOVATION

OWNE

MAINE DEPARTMENT OF AGRICULTURE, CONSERVATION AND FORESTRY

TITLE

ELECTRICAL FIRE ALARM PLAN

PROJECT NO.: 3529230024

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

DATE: 01-10-2025

DWN. BY: S.O. CKD. BY: A.P.

E-301

1 UNDERGROUND CONDUIT FOR THIS CIRCUIT BETWEEN THE BUILDING AND THE UNIT SHALL BE 1' 1/2" TRADE SIZE.

2 MONUMENT SQUARE, SUITE 200 PORTLAND, ME 04101 (207) 775-5401

Architects/Engineers:

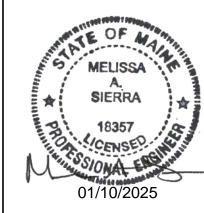
STATE OF MAINE DEPT OF AGRICULTURE, CONSERVATION AND FORESTRY 22 STATE HOUSE STATION AUGUSTA, MAINE 04333-0022 (207) 287-3200



WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS. THESE DRAWING SHALL BE COPIED FROM THE ORIGINAL BLUEPRINTS AND ARE APPROXIMATELY TO SCALE. IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE PROJECT AND SHALL NOTIFY THE ENGINEER OF ANY VARIATIONS FROM THE DIMENSIONS AND

CONDITIONS SHOWN ON THESE DRAWINGS.								
Α	ISSUED FOR BID	01-10-202						

NO. REVISION DATE



PROJECT

CONY ROAD BUILDING RENOVATION

MAINE DEPARTMENT OF AGRICULTURE, CONSERVATION AND FORESTRY

ELECTRICAL DIAGRAM AND SCHEDULES

PROJECT NO.: 3529230024 DATE: 01-10-2025 DWN. BY: S.O. CKD. BY: A.P. SCALE: As indicated

**EXISTING TO REMAIN** UTILITY POLE MOUNTED TRANSFORMER -- EXISTING TO REMAIN OVERHEAD ELECTRICAL SERVICE SERVICE ENTRANCE EQUIPMENT -- EXISTING TO REMAIN LIQUID PROPANE GENERATOR TO BE RETROFIT TO NATURAL GAS 4"C., 4#500KCMIL, 1#3G 2 1/2"C., 4#1/0, 1#6G EXISTING TO REMAIN 150A AUTOMATIC TRANSFER SWITCH (ATS) 200KA/ PHASE —SPD 100KA/ MODE 400A MLO; 208/120V, 3Ø,4W; 42,000AIC 208/120V 3PH, 4W, 42,000AIC - 2 1/2"C., 4#3/0, 1#6G 150A 100A 100A 150A 100A 2"C., 4#1/0, 1#6G —— 1 1/4"C., 3#3, 1#8G ——— — 2"C., 4#1/0, 1#6G 100AS-3P WP 2 80AF-DE - EXISTING MAIN PANELBOARD

# POWER DISTRIBUTION ONE-LINE DIAGRAM

# SCHEDULE OF MECHANICAL EQUIPMENT

TAG	DESCRIPTION CHARACTERISTICS/LOAD VOLT PH PANEL CIRCUIT FEEDER					FFFDFD	PROVIDE AND CONNI								DEMARKS	
NAME	DESCRIPTION	CHARACTERISTICS/LOAD	VOLT	РП	CIRCUIT	BREAKER	FEEDER	\$	$\boxtimes$			\$	©	VFD	$\oplus^{WF}$	REMARKS
ERV 1	ENERGY RECORY VENTILATOR	5.63A MCA; 15A MOCP	208V	1	M21-1,3	15A-2P	3/4" C., 2#12, 1# 12G		/	,	<b>/</b>	<b>/</b>				
FCU 1	VRF INDOOR UNIT	0.3 MCA; 15A MOCP	208V	1	SEE PLANS	15A-2P	3/4" C., 2#12, 1# 12G	<b>/</b>				✓				
FCU 2	VRF INDOOR UNIT	0.3 MCA; 15A MOCP	208V	1	SEE PLANS	15A-2P	3/4" C., 2#12, 1# 12G	<b>/</b>				<b>/</b>				
FCU 3	VRF INDOOR UNIT	0.8 MCA; 15A MOCP	208V	1	SEE PLANS	15A-2P	3/4" C., 2#12, 1# 12G	<b>/</b>				<b>/</b>				
FCU 4	VRF INDOOR UNIT	1.8 MCA; 15A MOCP	208V	1	SEE PLANS	15A-2P	3/4" C., 2#12, 1# 12G	/				<b>/</b>				
FCU 5	VRF INDOOR UNIT	1.8 MCA; 15A MOCP	208V	1	SEE PLANS	15A-2P	3/4" C., 2#12, 1# 12G	/				<b>✓</b>				
FCU 6	VRF INDOOR UNIT	2.5 MCA; 15A MOCP	208V	1	SEE PLANS	15A-2P	3/4" C., 2#12, 1# 12G	/				✓				
BCC 1	BRANCH CIRCUIT CONTROLLER	0.6 MCA; 15A MOCP	208V	1	SEE PLANS	15A-2P	3/4" C., 2#12, 1# 12G	<b>/</b>				<b>✓</b>				
ACCU 1	VRF OUTDOOR UNIT	76.5 MCA; 80A MOCP	208V	3	MDP	1	1		<b>/</b>	,		✓			<b>/</b>	
CDP 1	CONDENSATE DRAINAGE PUMP	1.0 A	120V	3	SEE PLANS	15A-1P	3/4" C., 2#12, 1#12G.	/				<b>✓</b>				2
EWH 1	ELECTRIC WATER HEATER	4.5 KW	208V	1	M21-5,7	30A-2P	3/4" C., 2#12, 1#12G.				<u> </u>	<u> </u>				
RCP 1	RECIRCULATION PUMP	1/8 HP	120V	1	M21-9	15A-1P	3/4" C., 2#12, 1#12G.	/				✓				
ECUH 1	ELECTRIC CABINET UNIT HEATER	5 KW	208V	3	SEE PLAN	20A-3P	3/4" C., 3#12, 1#12G.				<u> </u>	<u> </u>				
ECUH 2	ELECTRIC CABINET UNIT HEATER	3 KW	208V	3	SEE PLAN	20A-3P	3/4" C., 3#12, 1#12G.				<u> </u>	<b>/</b>				
EDC 1	ELECTRIC REHEAT COIL	2.9 KW	208V	3	SEE PLAN	20A-3P	3/4" C., 3#12, 1#12G.				<b>/</b>	<b>/</b>				

# SCHEDULE OF MECHANICAL EQUIPMENT NOTES:

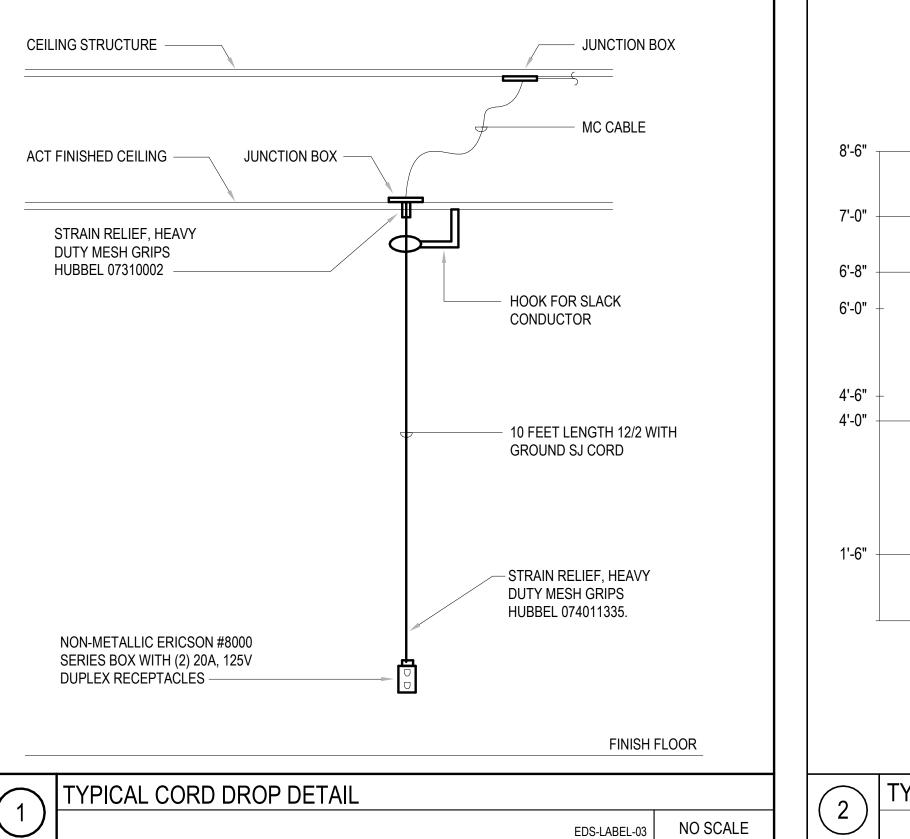
- 1) SEE "POWER DISTRIBTUTION DIAGRAM" ON DRAWING E-401.
- 2 WHERE MULTIPLE UNITS ARE ON THE SAME CIRCUIT THE CIRCUIT BREAKER SHALL BE 20A-1P.

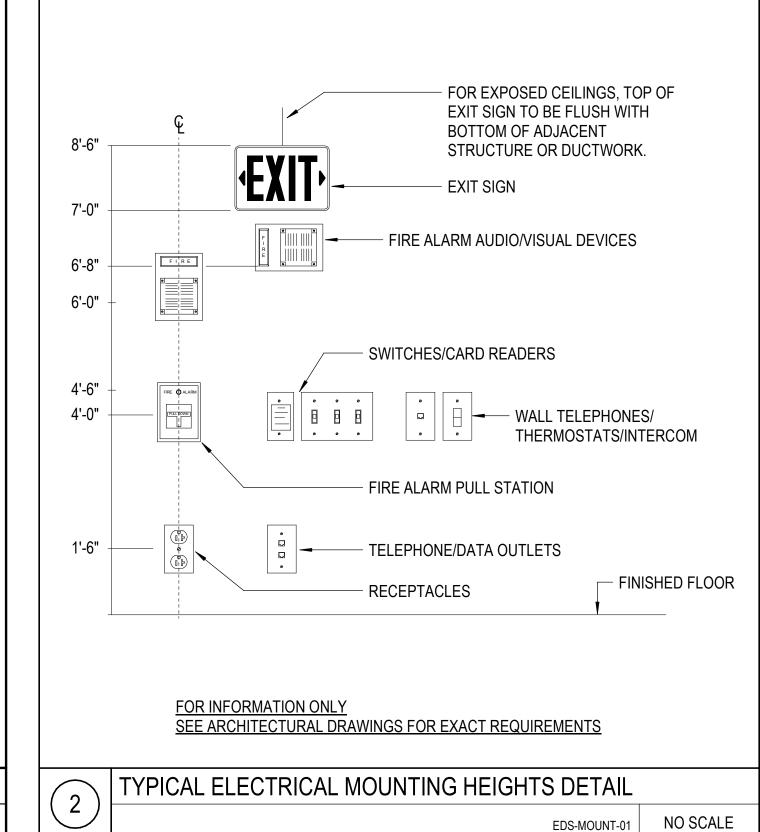
# LIGHTING FIXTURE SCHEDULE

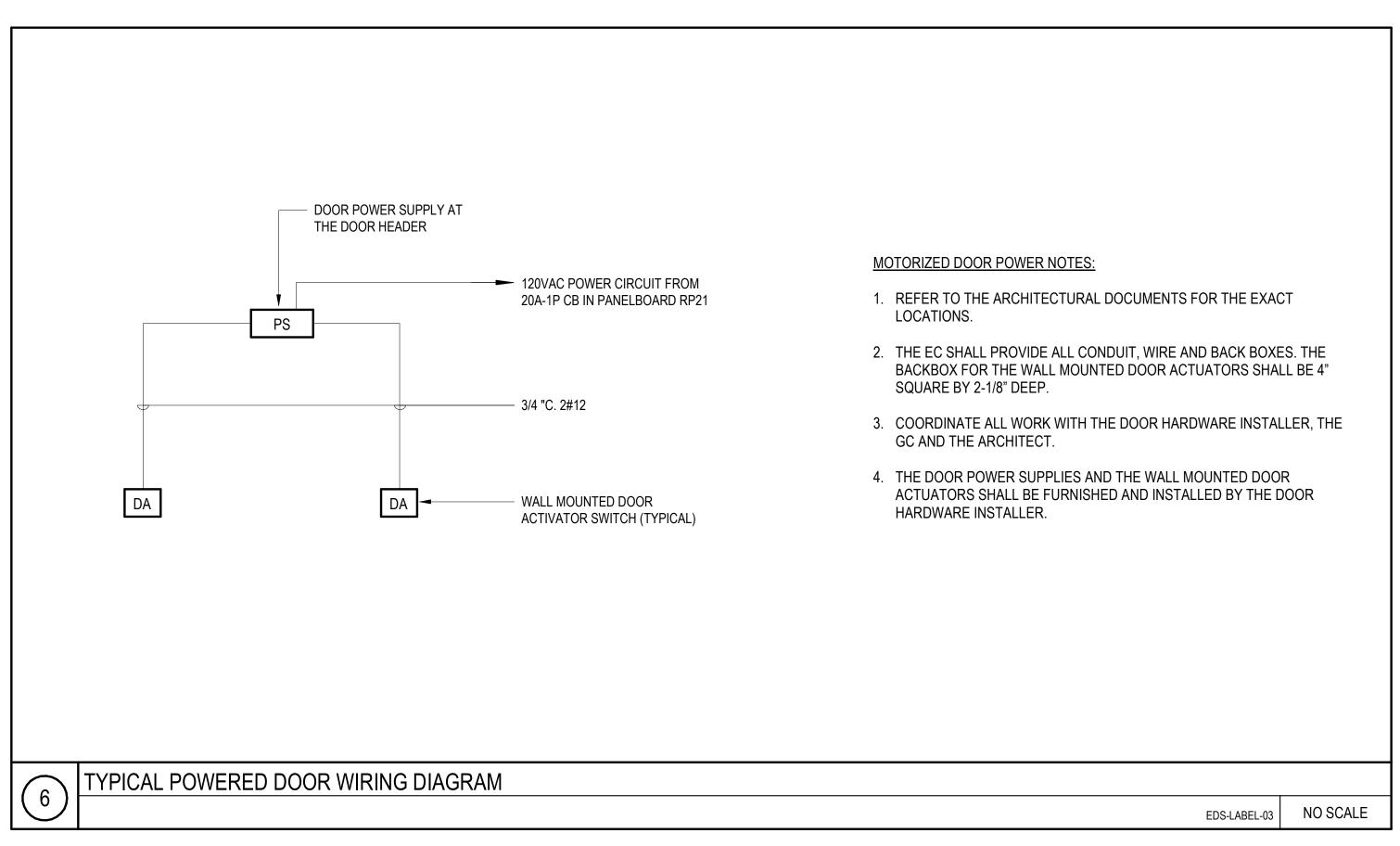
TYPE	DESCRIPTION	MANUFACTURER AND CATALOG NUMBER	WATTS	VOLTS	REMARKS
R1	RECESSED 2X2 LED WITH LENS.	LEVITON #CRUi-2X2-A-9-35-35L-DSA	31W	UNV	
R2	RECESSED 2X2 LED WITH LENS.	LEVITON #CRUi-2X2-A-9-35-55L-DSA	50W	UNV	
R3	RECESSED LED 6" DOWNLIGHT WITH LENS.	CREE #CDR-6 SERIES	18W	UNV	
R4	RECESSED LED 6" DOWNLIGHT WITH LENS.	CREE #CDR-6 SERIES	18W	UNV	GASKETED FOR DAMP LOCATION LISTING
R5	RECESSED LED 4" LENSED SHOWER LIGHT.	CREE #CDR-4 SERIES	12W	UNV	GASKETED FOR WET LOCATION LISTING
W1	4 FOOT WALL MOUNTED LED STRIP WITH LENS	EVENLITE #WW-AC-SL-CT	17W	UNV	
S1	4 FOOT SUSPENDED LED STRIP WITH LENS	LEVITON #LCOMN48-LED8-35K-040L-UNV	30.5W	UNV	
EW1	WALL MOUNTED, SINGLE FACE ALUMINUM EXIT SIGN WITH BATTERY BACKUP.	EVENLITE # CCDS-EM-R1-WW	1W	UNV	
EC1	CEILING MOUNTED, SINGLE FACE ALUMINUM EXIT SIGN WITH BATTERY BACKUP.	EVENLITE # CCDS-EM-R1-WW	1W	UNV	
EBU-1	EMERGENCY BATTERY UNIT WITH (2) LED LAMPS	EVENLITE #TEBL6W	12W	UNV	
EBU-2	EMERGENCY BATTERY UNIT WITH (2) LED LAMPS	EVENLITE #TEBL3W	6W	UNV	
EBU-3	EMERGENCY BATTERY UNIT WITH (2) LED LAMPS	EVENLITE #TCSWL	14W	UNV	

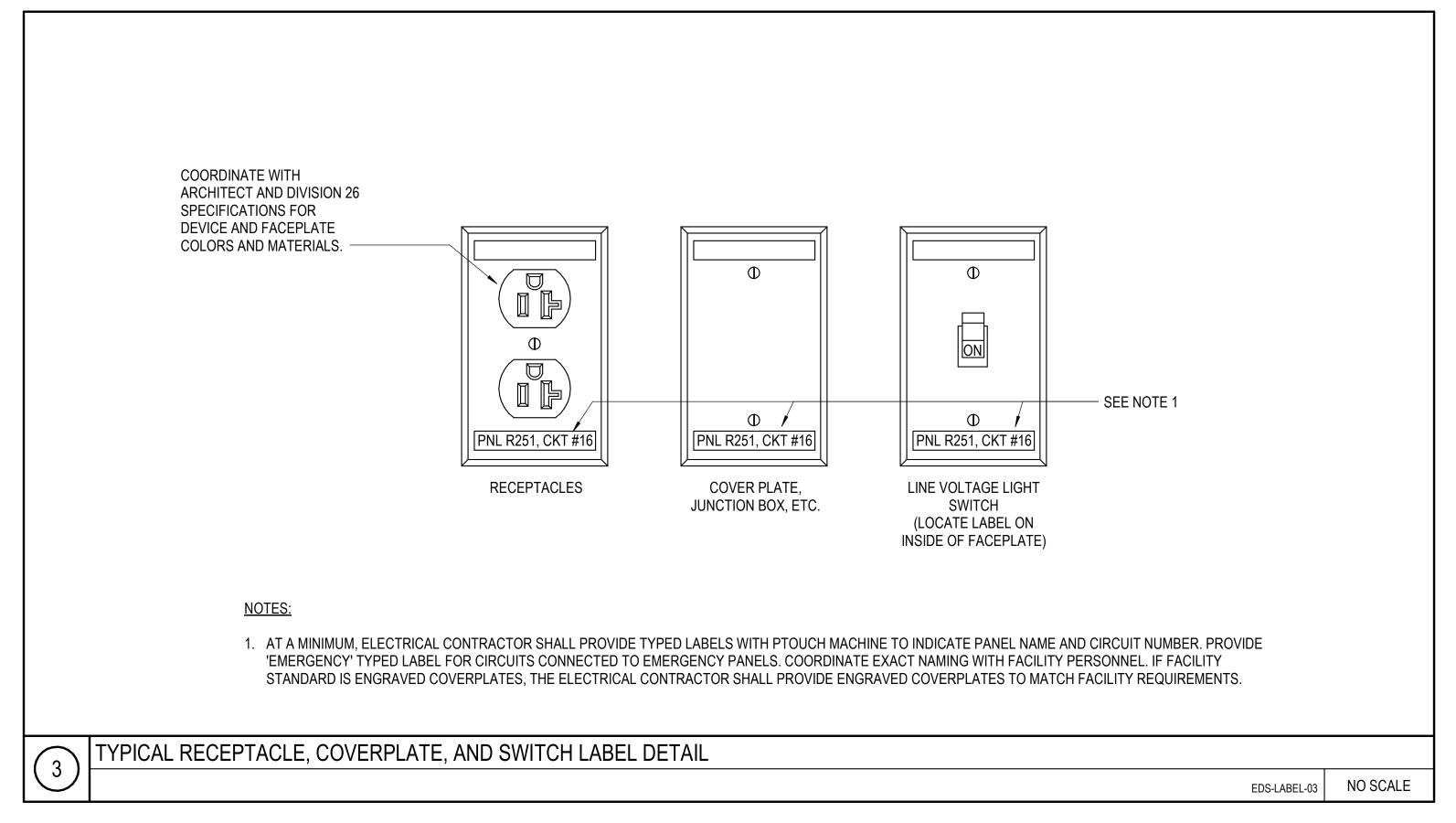
# PANELBOARD SUMMARY SCHEDULE

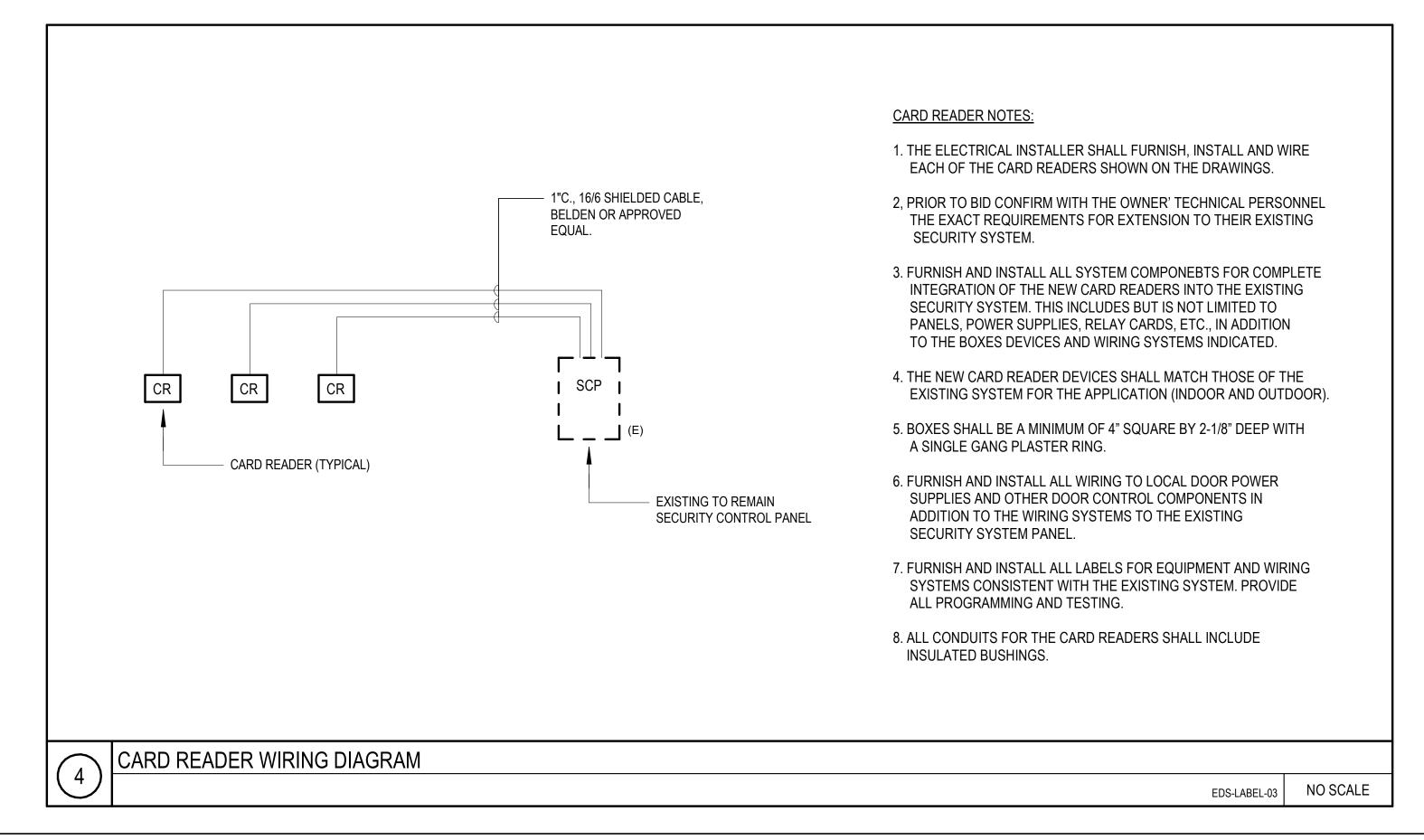
DANEL	LICE/LOCATION VOLTACE DUM	MAINIC	BRANCH CIRCUIT BREAKER		CH CIRCUIT BREAKER		BRANCH CIRCUIT BREAKER T		A.I.C	DEMARKS
PANEL	USE/LOCATION VOLTAGE, PH/W	MAINS	MOUNTING	ACTIVE	SPARE	POLES	A.I.C	REMARKS		
RP21	208/120V, 3PH, 4W	150A-3P MCB	SURFACE	(24) 20A-1P, (7) 20A-1P GFCI, (1) 30A-2P GFCI, (1) 15A-1P	(6) 20A-1P	60	22,000	SINGLE ENCLOSURE PANELBOARD		
M21	208/120V, 3PH, 4W	150A-3P MCB	SURFACE	(1) 15A-1P, (2) 20A-1P, (3) 15A-2P, (1) 30A-2P, (5) 20A-3P	(12) 20A-1P	42	22,000			

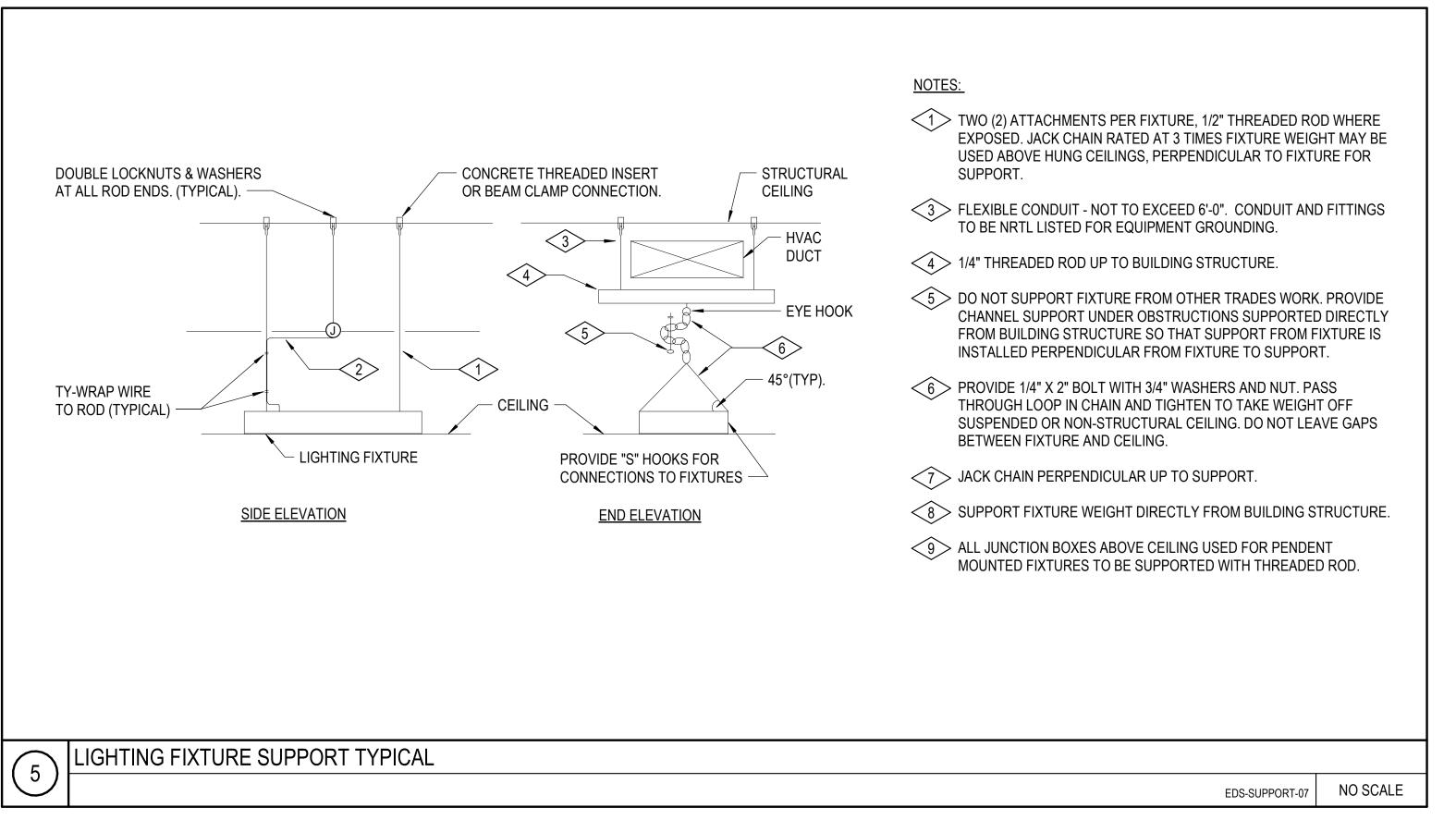


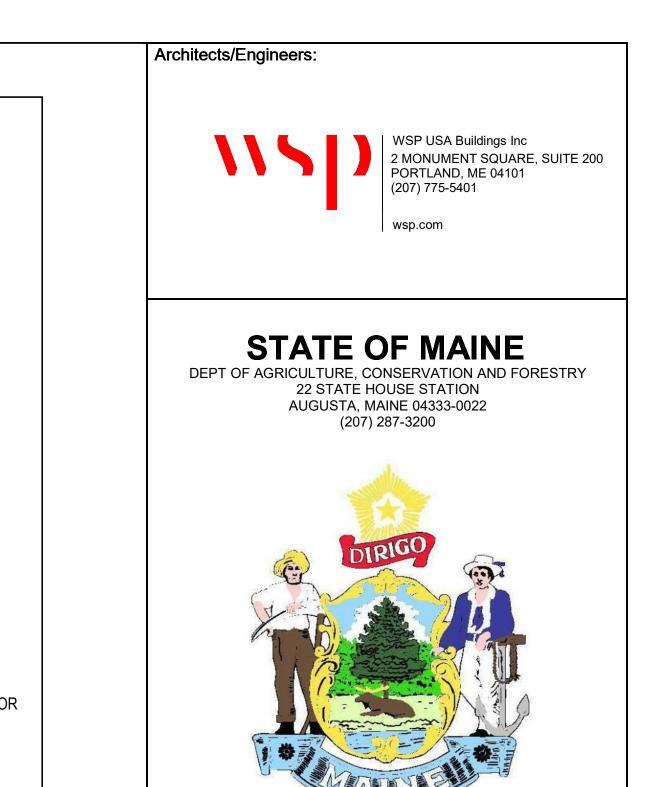












ALL DIMENSIONS AND CONDITIONS ON THE PROJECT AND SHALL NOTIFY THE ENGINEER OF ANY VARIATIONS FROM THE DIMENSIONS AND CONDITIONS SHOWN ON THESE DRAWINGS.									
Α	ISSUED FOR BID		01-10-2025						
NO.	REVISION		DATE						
A Liniano	MELISSA SIERRA 18357 CENSED SIONA 01/10/2025								

WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL TAKE PRECEDENCE

OVER SCALED DIMENSIONS. THESE DRAWING SHALL BE COPIED FROM

THE ORIGINAL BLUEPRINTS AND ARE APPROXIMATELY TO SCALE. IT IS THE

PROJECT

# CONY ROAD BUILDING RENOVATION

OWNER

MAINE DEPARTMENT OF AGRICULTURE, CONSERVATION AND FORESTRY

TITLE

ELECTRICAL
DIAGRAMS AND
DETAILS

PROJECT NO.: 3529230024

DATE: 01-10-2025

DWN. BY: S.O. CKD. BY: A.P.

SCALE: As indicated

ISSUED FOR BID

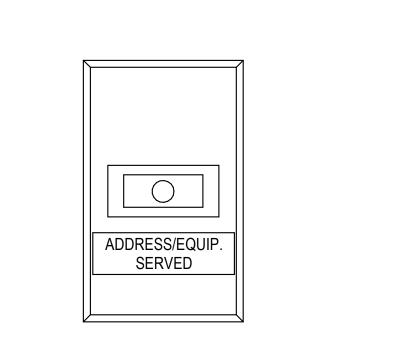
1. THE FIRE ALARM DIAGRAM SHOWS TYPICAL WIRING REQUIREMENTS. QUANTITY OF DEVICES SHALL BE AS PER THE PLANS. QUANTITY OF CIRCUITS SHALL BE AS PER THE SPECIFICATIONS AND THE VENDOR'S

# FIRE ALARM SYSTEM TYPICAL EXTENSION DIAGRAM

NO SCALE

#### FIRE ALARM SYSTEM EXTENSION NOTES:

- 1. ALL NEW EQUIPMENT AND DEVICES SHALL MATCH THOSE OF THE SAME TYPE OF THE EXISTING FIRE ALARM SYSTEM. COORDINATE WITH THE OWNER'S TESTING AND SERVICE COMPANY FOR EXACT REQUIREMENTS.
- 2. ALL FIRE ALARM SYSTEM CABLES SHALL MATCH THOSE OF THE EXISTING SYSTEM FOR THE SAME TYPE OF CIRCUIT (SLC, HORN, STROBE, ETC.) AND SHALL BE INSTALLED IN CONDUIT. ALL BOXES AND FITTINGS FOR FIRE ALARM SHALL BE RED.
- 3. PROVIDE ALL LABELING, PROGRAMMING AND TESTING.
- 4. ALL CIRCUITS SHALL BE CLASS A.
- 5. ALL VISUAL DEVICES SHALL BE SYNCHRONIZED.
- 6. ALL NOTIFICATION APPLIANCE DEVICES SHALL BE WIRED INTERLEAVED, SO THAT AUDIBLE DEVICES ARE NOT WIRED TO THE SAME CIRCUITS AS ADJACENT AUDIBLE DEVICES AND VISUAL DEVICES ARE NOT WIRED TO THE SAME CIRCUITS AS ADJACENT VISUAL DEVICES.
- 7. THE FIRE ALARM BOOSTER PANEL SHALL BE LOCATED IN A NORMALLY LOCKED, UNOCCUPIED ROOM WITH ACCESS TO AUTHORIZED PERSONNEL ONLY. THAT ROOM SHALL INCLUDE A FIRE ALARM SYSTEM SMOKE DETECTOR. THE FIRE ALARM BOOSTER PANEL SHALL INCLUDE AS FOLLOWS:
- 120VAC INPUT.
- INTEGRAL BATTERY BACKUP.
- NEMA 1 RATED RED CABINET. • (4) HORN AND (4) STROBE CIRCUITS.
- ÎNPUT FROM FÎRE ALARM SYSTEM CONTROL MODULE.
- 8. ACTIVATION OF NEW DEVICES SHALL INCLUDE ALL OF THE OUTPUTS OF THE EXISTING FIRE ALARM SYSTEM FOR DEVICES OF THE SAME TYPE.



SINGLE LED LIGHT REMOTE ALARM INDICATOR

REMOTE TEST STATION ②XX 👃 SMOKE & HEAT DETECTOR

AUDIO/VISUAL NOTIFICATION DEVICE

WFTS LP WF/TS/LP

TYPICAL FIRE ALARM DEVICE LABELING DETAIL

EDS-LABEL-04 NO SCALE

Architects/Engineers:



STATE OF MAINE

DEPT OF AGRICULTURE, CONSERVATION AND FORESTRY 22 STATE HOUSE STATION AUGUSTA, MAINE 04333-0022 (207) 287-3200



WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS. THESE DRAWING SHALL BE COPIED FROM THE ORIGINAL BLUEPRINTS AND ARE APPROXIMATELY TO SCALE. IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE PROJECT AND SHALL NOTIFY THE ENGINEER OF ANY VARIATIONS FROM THE DIMENSIONS AND CONDITIONS SHOWN ON THESE DRAWINGS.

10-2025
Έ



PROJECT

CONY ROAD BUILDING RENOVATION

MAINE DEPARTMENT OF AGRICULTURE, CONSERVATION AND FORESTRY

ELECTRICAL FIRE ALARM DIAGRAM AND NOTES

PROJECT NO.: 3529230024 DATE: 01-10-2025 E-403 DWN. BY: S.O. CKD. BY: A.P. SCALE: N.T.S.