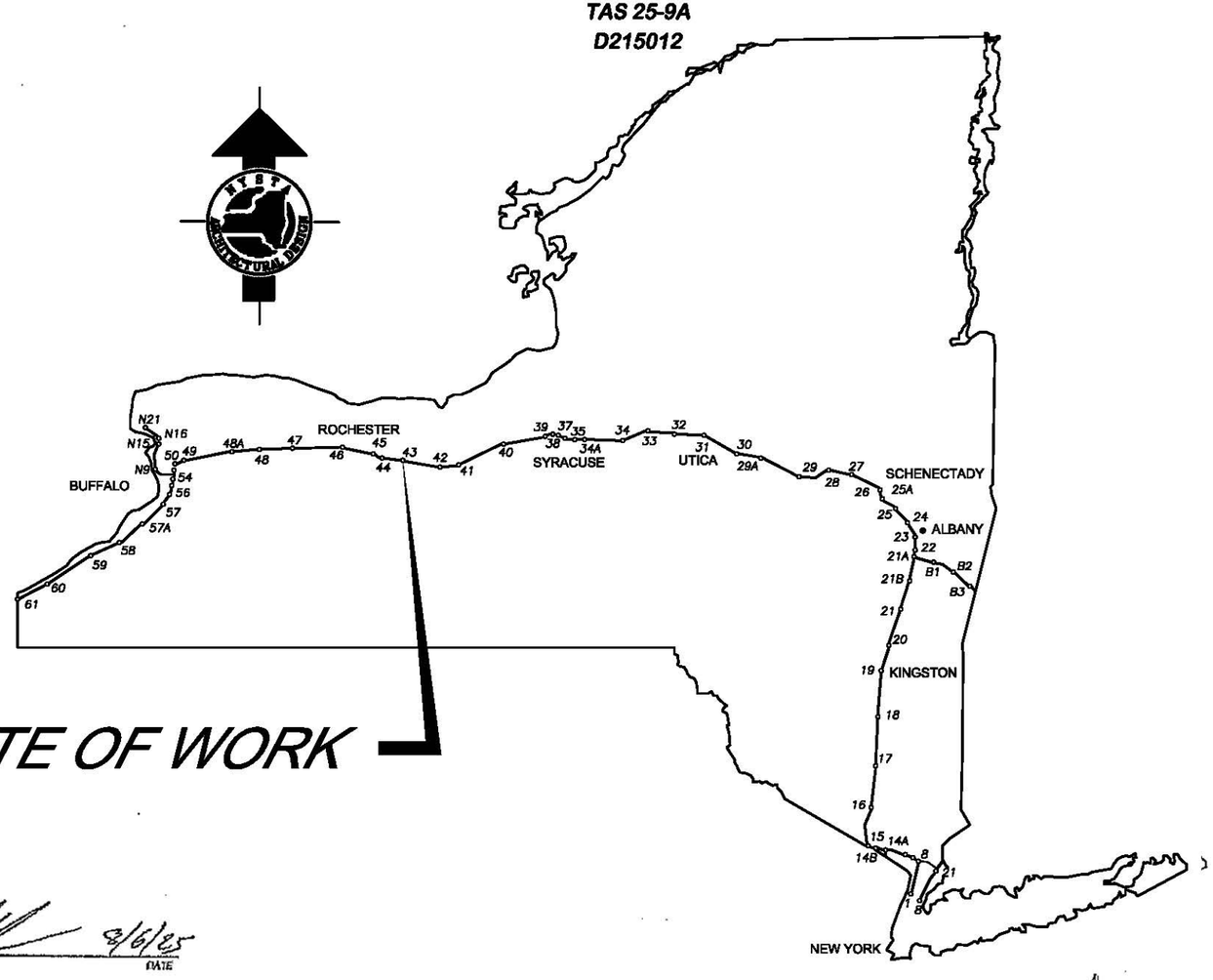
TAS 25-9A

NEW YORK STATE | Thruway Authority

**SYRACUSE DIVISION**
**ADDITION & RENOVATIONS**
**OF THE**
**HIGHWAY SECTION**
**AT**
**MANCHESTER SECTION MAINTENANCE COMPLEX**
**INTERCHANGE 43**
**MILEPOST 340.15**
**IN**
**ONTARIO COUNTY**

**TAS 25-9A**
**D215012**




*TYPE OF CONSTRUCTION:*

ARCHITECTURAL PROJECT REQUIRING LABOR AND MATERIALS FOR GENERAL CONSTRUCTION, MECHANICAL, ELECTRICAL, PLUMBING, ABATEMENT, SITE WORK.

*CODE COMPLIANCE:*

ALL WORK DESCRIBED AND TO BE PERFORMED UNDER THIS CONTRACT, SHALL CONFORM TO THE PROVISIONS OUTLINED BY 19 NYCRR, 202 BUILDING CVODE OF NEW YORK STATE AND ITS REFERENCE STANDARDS, INCLUDING ICC/ANSI 117.1 - 2009.

*BUILDING CLASSIFICATIONS:*

OCCUPANCY CLASSIFICATION: B
CONSTRUCTION CLASSIFICATION: IIB

*NOTES:*

ALL WORK CONTEMPLATED UNDER THIS CONTRACT IS TO BE COVERED BY AND IN CONFORMITY WITH THE STANDARD SPECIFICATIONS (US CUSTOMARY) REFERENCED IN THE CONTRACT "PROPOSAL" EXCEPT AS MODIFIED BY THESE PLANS OR CHANGES SET FORTH IN THE CONTRACT "PROPOSAL".

*STANDARD SHEETS:*

THE LATEST REVISIONS OF THE STANDARD SHEETS MAINTAINED BY NYSDOT, WHICH ARE CURRENT AS OF THE STANDARD SPECIFICATIONS ADOPTION DATE SHOWN ON THE PROPOSAL COVER SHALL BE CONSIDERED TO BE IN EFFECT. ALL PAY ITEMS AND WORK CONTAINED IN THE CONTRACT AND ANY ADDITIONAL PAY ITEMS AND WORK ENCOUNTERED DURING THE COURSE OF THE CONTRACT SHALL BE SUBJECT TO THE APPLICABLE STANDARD SHEET(S) UNLESS OTHERWISE SPECIFIED IN THE CONTRACT DOCUMENTS.

THE LATEST REVISIONS OF THE NYSTA STANDARD SHEETS MAINTAINED BY THE AUTHORITY, WHICH ARE CURRENT ON THE DATE OF ADVERTISEMENT FOR BIDS, SHALL BE CONSIDERED TO BE IN EFFECT. ALL PAY ITEMS AND WORK CONTAINED IN THE CONTRACT AND ANY ADDITIONAL PAY ITEMS AND WORK ENCOUNTERED DURING THE COURSE OF THE CONTRACT SHALL BE SUBJECT TO THE APPLICABLE STANDARD SHEET(S) UNLESS OTHERWISE SPECIFIED IN THE CONTRACT DOCUMENTS. SEE GENERAL NOTES DRAWINGS FOR LISTING.

**UDIG NEW YORK**
**UNDERGROUND FACILITIES PROTECTION ORGANIZATION**
**CALL 811**

REVIEWED BY

PROJECT MANAGER

BUREAU DIRECTOR

CONTRACTOR'S NAME:
AWARD DATE:
COMPLETION DATE:
FINAL ACCEPTANCE DATE:
INSPECTION FIRMS NAME:
RESIDENT ENGR/S:
FINAL COST TOTAL:

| FISCAL SHARE | COST(S) |
|---|---|
| | |

INSPECTION FIRM CONSULTANT STAMP:

PREPARED AND RECOMMENDED BY:
Mathew T. Smullen DATE 07/30/2025
CONSULTANT COMPANY NAME : CPL
CONSULTANT MANAGERS NAME : MATHEW SMULLEN, P.E.
LICENSE NUMBER : 80043, EXP. DATE: 5/31/2026

RECOMMENDED BY: 8/6/25
DIRECTOR, OFFICE OF DESIGN — DATE

RECOMMENDED BY: 8/11/25
DIVISION DIRECTOR — DATE

RECOMMENDED BY: 8/12/25
TRAFFIC ENGINEER — DATE

RECOMMENDED BY: 8/12/25
DIRECTOR, OFFICE OF CONSTRUCTION MANAGEMENT — DATE

RECOMMENDED BY: 8/19/25
DIRECTOR OF MAINTENANCE AND OPERATIONS — DATE

APPROVED BY: 8/22/25
CHIEF ENGINEER — DATE

TA NUMBER(DWG)SDWG NUMBER

XXX

CHECKED BY:

XXX

DRAFTED BY:

XXX

DESIGNED BY:

XXX

BUREAU DIRECTOR: J.L. MORRIS

# LIST OF ABBREVIATIONS

| | |
|---|---|
| AFF | ABOVE FINISHED FLOOR |
| AP | ACCESS PANEL |
| ACOUS | ACOUSTICAL |
| ADJ | ADJACENT |
| ACT | ACOUSTICAL CEILING TILE |
| AWP | ACOUSTICAL WALL PANEL |
| A/C | AIR CONDITIONING |
| ALT | ALTERNATE |
| ALUM | ALUMINUM |
| AB | ANCHOR BOLT |
| < | ANGLE |
| ANOD | ANODIZED |
| APPROX | APPROXIMATE |
| ARCH | ARCHITECT, ARCHITECTURAL |
| AD | AREA DRAIN |
| @ | AT |
| AUTO | AUTOMATIC |
| BSMT | BASEMENT |
| BM | BEAM |
| BP | BEARING PLATE |
| BM | BENCH MARK |
| BITUM | BITUMINOUS |
| BLKG | BLOCKING |
| BLK | BLOCK |
| BD | BOARD |
| BOT | BOTTOM |
| BRK | BRICK |
| BLDG | BUILDING |
| BN | BULLNOSE |
| CAB | CABINET |
| CI | CAST IRON |
| CPT | CARPET(ED) |
| CSMT | CASEMENT |
| CB | CATCH BASIN |
| CLG | CEILING |
| CLG HT | CEILING HEIGHT |
| CEM | CEMENT |
| CL | CENTER LINE |
| CM | CENTIMETER |
| CER | CERAMIC |
| CT | CERAMIC TILE |
| CB | CHALK BOARD |
| CIRC | CIRCUMFERENCE |
| CO | CLEAN OUT |
| CLR | CLEAR |
| CLOS | CLOSET |
| CFCI | CONTRACTOR FURNISHED CONCTRACTOR INSTALLED |
| CM | CONSTRUCTION MANAGER |
| CW | COLD WATER |
| CFMF | COLD FORMED MET FRAMING |
| COL | COLUMN |
| CONC | CONCRETE |
| CMU | CONCRETE MASONRY UNIT |
| COND | CONDUCTOR |
| CONN | CONNECTION |
| CONST | CONSTRUCTION |
| CJT | CONSTRUCTION JOINT |
| CONT | CONTINUOUS |
| CONTR | CONTRACTOR |
| CJ | CONTROL JOINT |
| CG | CORNER GUARD |
| CORR | CORRUGATED COURSE |
| CFCI | CONTRACTOR FURNISHED CONTRCTOR INSTALLED |
| CFT | CUBIC FOOT |
| CYD | CUBIC YARD |
| DP | DAMP PROOFING |
| DL | DEAD LOAD |
| DB | DECIBEL |
| DEMO | DEMOLISH |
| DEPT | DEPARTMENT |
| DET,DTL | DETAIL |
| DIA | DIAMETER |
| DIM | DIMENSION |
| DISP | DISPENSER |
| DSP | DISPOSAL |
| DO | DITTO, REPEAT, SAME |
| DR | DOOR |
| DBL | DOUBLE |
| DN | DOWN |
| DS | DOWNSPOUT |
| DT | DRAIN TILE |
| DWR | DRAWER |
| DWG | DRAWING |
| DF | DRINKING FOUNTAIN |
| DWC | DRYWALL CHANNEL |
| DW | DISHWASHER |
| EA | EACH |
| EF | EACH FACE |
| EW | EACH WAY |
| E | EAST |
| E | ELECTRICAL OUTLET |
| EC | ELECT. CONTRACTOR |
| ELEC | ELECTRICAL |
| ELEV | ELEVATION |
| EL | ELEVATOR |
| EMER | EMERGENCY |
| ENCL | ENCLOSURE |
| ENTR | ENTRANCE |
| EQ | EQUAL |
| EQUIP | EQUIPMENT |
| EST | ESTIMATE(D) |
| EXHST | EXHAUST |
| EXIST | EXISTING |
| EXP | EXPANSION |
| EXP JT | EXPANSION JOINT |
| ETR | EXISTING TO REMAIN |
| FAB | FABRICATE /FABRIC |
| FT | FEET |
| FIG | FIGURE |
| FIN | FINISH |
| FF | FINISHED FLOOR |
| FEC | FIRE EXTINGUISHER CABINET |
| FH | FIRE HOSE |
| FL, FLR | FLOOR |
| FD | FLOOR DRAIN |
| FLUOR | FLUORESCENT |
| FT | FOOT |
| FTG | FOOTING |
| FND | FOUNDATION |
| F'S | FULL SIZE |
| FUT | FUTURE |
| FRT | FIRE RATED TREATED |
| GALV | GALVANIZED |
| G | GAS |
| GA | GAUGE |
| GEN | GENERAL |
| GC | GENERAL CONTRACTOR |
| GL | GLASS, GLAZING |
| GB | GRAB BAR |
| GR | GRADE, GRADING |
| GFI | GROUND FAULT INTERPTR. |
| GSF | GROSS SQUARE FOOT |
| GYP | GYPSUM |
| GWB | GYPSUM BOARD |
| HDWR | HARDWARE |
| HDWD | HARDWOOD |
| HVAC | HEATING, VENTILATING & AIR CONDITIONING |
| HT, HGT | HEIGHT |
| **HC** | **MECHANICAL CONTRACTOR** |
| HEX | HEXAGONAL |
| HWY | HIGHWAY |
| HM | HOLLOW METAL |
| HORZ | HORIZONTAL |
| HB | HOSE BIBB |
| HW | HOT WATER |
| HR | HOUR |
| INCAND | INCANDESCENT |
| IN | INCH |
| INCL | INCLUDING |
| ID | INSIDE DIAMETER |
| INSUL | INSULATION |
| INT | INTERIOR |
| INTERM | INTERMEDIATE |
| INV | INVERT |
| IP | IRON PIPE |
| JAN | JANITOR |
| JS | JANITOR SINK |
| JT | JOINT |
| KW | KILOWATT |
| KWH | KILOWATT HOUR |
| K | KIP |
| KIT | KITCHEN |
| LBL | LABEL |
| LAB | LABORATORY |
| LAM | LAMINATE(ED) |
| LAV | LAVATORY |
| LYR | LAYER |
| LDR | LEADER |
| LH | LEFT HAND |
| LIB | LIBRARY |
| LT | LIGHT |
| LW | LIGHT WEIGHT |
| LL | LIVE LOAD |
| MACH | MACHINE |
| MH | MAN HOLE |
| MHC | MAN HOLE COVER |
| MFR | MANUFACTURE |
| MFRR | MANUFACTURER |
| MAS | MASONRY |
| MO | MASONRY OPENING |
| MAT | MATERIALS |
| MAX | MAXIMUM |
| MC/HVAC | MECH. CONTRACTOR |
| MECH | MECHANICAL |
| MET | METAL |
| M | METER |
| MEZZ | MEZZANINE |
| MM | MILLIMETER |
| MIN | MINIMUM |
| MISC | MISCELLANEOUS |
| MR | MOISTURE RESISTANT |
| MTD | MOUNTED |
| NA | NOT APPLICABLE |
| NAT | NATURAL |
| NRC | NOISE REDUCTION COEF. |
| NOM | NOMINAL |
| N | NORTH |
| NIC | NOT IN CONTRACT |
| NTS | NOT TO SCALE |
| NO, # | NUMBER |
| OC | ON CENTER |
| OPNG | OPENING |
| OD | OUTSIDE DIAMETER |
| OH | OVERHEAD |
| O | OXYGEN |
| PTD | PAINTED |
| PR | PAIR |
| PT | PAPER TOWEL RECEPTOR |
| PKG | PARKING |
| PART BD | PARTICAL BOARD |
| PART | PARTITION |
| PVMT | PAVEMENT |
| PLAM | PLASTIC LAMINATE |
| PL | PLATE |
| PLBG | PLUMBING |
| PLYWD | PLYWOOD |
| PVC | POLYVINYL CHLORIDE |
| LB | POUND |
| PCF | POUNDS PER CUBIC FOOT |
| PLF | POUNDS PER LINEAR FOOT |
| PSF | POUNDS PER SQUARE FOOT |
| PSI | POUNDS PER SQUARE INCH |
| PRE CONC | PRECAST CONCRETE |
| PRE FAB | PREFABRICATED |
| PT, PTD | PAINT, PAINTED |
| PT | PRESSURE TREATED |
| PL | PROPERTY LINE |
| PS CONC | PRESTRESSED CONCRETE |
| PC | PLUMBING CONTRACTOR |
| QTY | QUANTITY |
| QT | QUARRY TILE |
| QTB | QUARRY TILE BASE |
| RAD | RADIUS |
| RECP | RECEPTACLE |
| REF | REFERENCE |
| REFR | REFRIGERATOR |
| RE: | REFER TO |
| REINF | REINFORCED(ING) |
| REQ'D | REQUIR(ED) |
| RVT | RESILIENT VINYL TILE |
| REV | REVISED |
| RH | RIGHT HAND |
| R | RISER |
| RD | ROOF DRAIN |
| RM | ROOM |
| RO | ROUGH OPENING |
| ROB | RUN-OF-BANK |
| SALV | SALVAGE |
| SAN | SANITARY |
| SCHED | SCHEDULE |
| SEC | SECOND |
| SECT | SECTION |
| SHT | SHEET |
| SIM | SIMILAR |
| SC | SOUND CORE |
| STC | SOUND TRANSMISSION COEFFICIENT |
| S | SOUTH |
| SCS | SPECIAL COATING SYSTEM |
| SPEC | SPECIFICATION |
| SQ | SQUARE |
| SS | STAINLESS STEEL |
| STD | STANDARD |
| STL | STEEL |
| STOR | STORAGE |
| STRUCT | STRUCTURAL |
| SGFT | STRUCTURAL GLAZED FACING TILE |
| ST,STL | STRUCTURAL STEEL |
| SUSP | SUSPENDED |
| SAT | SUSPENDED ACOUSTICAL TILE |
| SK | SKYLIGHT |
| SGT | STRUCTURAL GLAZED TILE |
| TEL | TELEPHONE |
| TV | TELEVISION |
| TEMP | TEMPERATURE |
| THK | THICKNESS |
| RC | ROOFING CONTRACTOR |
| TPD | TOILET PAPER DISPENSER |
| TR | TOILET ROOM |
| T&G | TONGUE & GROOVE |
| T&B | TOP & BOTTOM |
| TOEA | TOP OF EDGE ANGLE |
| TOS | TOP OF SLAB/STEEL |
| TOW | TOP OF WALL |
| T,TR | TREAD |
| TD | TRENCH DRAIN |
| TYP | TYPICAL |
| UL | UNDERWRITERS LAB |
| UNFIN | UNFINISHED |
| UNO | UNLESS NOTED OTHERWISE |
| U | URINAL |
| V | VACCUUM |
| VEND | VENDER |
| VEN | VENEER |
| VIF | VERIFY IN FIELD |
| VERT | VERTICAL |
| VEST | VESTIBULE |
| VIN | VINYL |
| VB | VINYL BASE |
| VCT | VINYL COMPOSITION TILE |
| VF | VINYL FABRIC |
| VWC | VINYL WALL COVERING |
| VT | VINYL TILE |
| VOL | VOLUME |
| WH | WALL HUNG |
| W | WATER |
| W | WEST |
| WC | WATER CLOSET |
| WR | WATER RESILIENT/ RESISTANT |
| WT | WEIGHT |
| WWF | WELDED WIRE FABRIC |
| WWM | WELDED WIRE MESH |
| (W) | WIDTH |
| WIND | WINDOW |
| W/ | WITH |
| W/O | WITHOUT |
| WD | WOOD |
| WI | WROUGHT IRON |
| YD | YARD |

# MATERIAL SYMBOLS

| | |
|---|---|
| EARTH | BRICK |
| ROCK | STEEL/MISC. METAL |
| GRAVEL TYPE 1 (ENGINEERED FILL) | STONE |
| PRECAST CONCRETE | TERRAZZO |
| CRUSHED STONE | MARBLE |
| CONCRETE MASONRY UNIT | CERAMIC TILE |
| METAL STUD PARTITION | QUARRY TILE |
| GROUT/MORTAR | RIGID INSULATION |
| NON-FERROUS (TYPE AS NOTED) | ACOUSTICAL TILE |
| ROUGH WOOD/ BLOCKING | FINISH WOOD / TRIM, MILLWORK |
| WOOD, FINISHED WOODWORK | GYPSUM BOARD |
| PLYWOOD (LARGE SCALE) | BATT OR LOOSE INSULATION |

# GRAPHIC SYMBOLS

| | |
|---|---|
| A — EXISTING COLUMN CENTERLINE A | 100 FINISHED CONTOURS |
| A.1 — NEW COLUMN CENTERLINE A.1 | PROPERTY LINE |
| 3 / A201 DETAIL #3 ON SHEET A201 | FENCE |
| C or 3 / A201 BUILDING SECTION (NO.)OR WALL SECTION (LETTER) ON SHEET A201 | EXISTING TREE TO REMAIN |
| 109 ROOM NUMBER 109 | EXISTING TREE TO BE REMOVED |
| 2 A201 4 ELEVATION #2, 4 ON SHEET A201 | BENCHMARKS, FLOOR ELEV., OR OTHER VERTICAL ELEV. |
| (109) DOOR NUMBER 109 | 3 KEYNOTE SYMBOL – DEMOLITION AND NEW CONSTRUCTION |
| 3 1 HR PARTITION TYPE 3(1 HR RATED) | STS STORM SEWER; SAN SANITARY SEWER |
| 1 REVISION NO. 1 | W WATER LINE; G GAS LINE |
| + 100.75 EXISTING SPOT ELEVATION | (100) FURNITURE SYMBOL (NUMBER) |
| + 100.75 FINISHED SPOT ELEVATION | A WINDOW TYPE (LETTER) |
| 100 EXISTING CONTOURS | A or 1 ACCESSORIES SYMBOL (LETTER) EQUIPMENT SYMBOL (NUMBER) |

# LIST OF DRAWINGS





| ALTERED ON: | AFFIXED ON: |
|---|---|
| | 07/30/2025 |
| SIGNATURE: STAMP: | SIGNATURE: STAMP: |

STATE OF NEW YORK · MATTHEW T. SMULLEN · No. 080043 · LICENSED PROFESSIONAL ENGINEER

EXP. 05/31/2026

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REVISIONS

| DATE | DESCRIPTION | BY | SYM. |
|---|---|---|---|
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NEW YORK STATE OF OPPORTUNITY. Thruway Authority

| | |
|---|---|
| TITLE OF PROJECT: ADDITIONS TO MAINTENANCE SECTION | CONTRACT NUMBER: TAS 25-9A |
| LOCATION OF PROJECT: MANCHESTER MP 340.15 | DATE: 07/30/2025 |
| TITLE OF DRAWING: INDEX OF DRAWINGS AND ABREVIATIONS | DRAWING NUMBER: IND-1 |

| TABLE OF BENCHMARKS | | | |
|---|---|---|---|
| NAME | ℄ STATION OFFSET | ELEVATION | DESCRIPTION |
| CPBM–1 | N/A | 559.94 | X CUT IN ANCHOR BOLT ON RADIO TOWER 87' SOUTH EAST OF CBP 2 |
| CPBM–2 | N/A | 558.76 | RAILROAD SPIKE IN POWER POLE 37' SOUTH OF CBP 1 GPS |

NOTES:

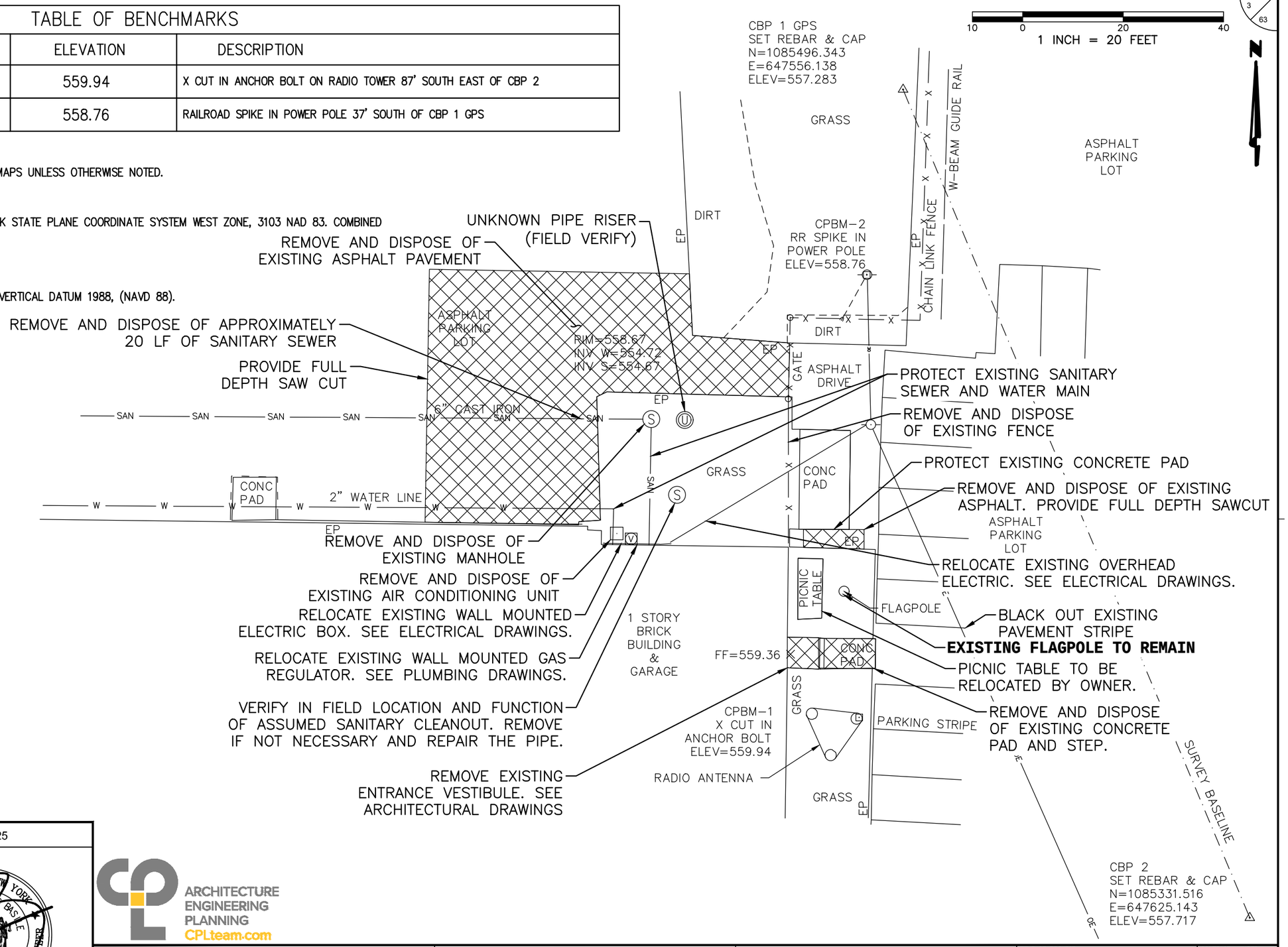
ALL UNDERGROUND UTILITIES ARE TAKEN FROM RECORD MAPS UNLESS OTHERWISE NOTED.

HORIZONTAL DATUM:

COORDINATES SHOWN ARE REFERENCED TO THE NEW YORK STATE PLANE COORDINATE SYSTEM WEST ZONE, 3103 NAD 83. COMBINED SCALE FACTOR FOR THE PROJECT IS 0.999950358

VERTICAL DATUM:

ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM 1988, (NAVD 88).




| ALTERED ON: | AFFIXED ON: 07/30/2025 |
|---|---|
| SIGNATURE: STAMP: | SIGNATURE: STAMP: STATE OF NEW YORK JAMES CHARLES BASILE LICENSED PROFESSIONAL ENGINEER 080472 EXP. 5/31/2026 |

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| REVISIONS | | | |
|---|---|---|---|
| DATE | DESCRIPTION | BY | SYM. |
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NEW YORK STATE OF OPPORTUNITY. Thruway Authority

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|---|---|
| TITLE OF PROJECT: ADDITIONS TO MAINTENANCE SECTION | CONTRACT NUMBER: TAS 25-9A |
| LOCATION OF PROJECT: MANCHESTER MP 340.15 | DATE: 07/30/2025 |
| TITLE OF DRAWING: EXISTING CONDITIONS AND DEMOLITION PLAN | DRAWING NUMBER: C100 |

TA NUMBER/DWSS/DWG NUMBER
DRAFTED BY: XXX
CHECKED BY: XXX
DESIGNED BY: XXX
BUREAU DIRECTOR J.L. MORRIS

10 0 20 40
1 INCH = 20 FEET

N

24" DIAMETER DRYWELL WITH 6" SOLID ACCESS COVER
(NDS FLO-WELL DRY WELL FWAS24 OR EQUAL;
INSTALL WASHED STONE 24" SURROUNDING ENTIRE STRUCTURE;
WRAP STONE AND STRUCTURE EACH WITH NON-WOVEN GEOFABRIC)
USE ALL SMALL DIAMETER KNOCKOUTS. USE ONE SMALL DIAMETER
KNOCKOUT FOR INCOMING 1" CONDENSATE LINE
RIM = 557.85'; BOTTOM = 554.85'

RE-ESTABLISH LAWN AREA

NEW CONCRETE CURB

NEW 4' ø MANHOLE. RECONNECT EXISTING SANITARY SEWER TO PROPOSED MANHOLE. MAINTAIN EXISTING SLOPE.

NEW 5' WIDE RAMP. SEE GRADING PLAN FOR PROPOSED ELEVATIONS.

NEW ASPHALT PAVEMENT

NEW 6" DUCTILE IRON SANITARY SEWER.

PROVIDE STEP FOUNDATION AS NECESSARY

NEW 22.5° BEND

6" CAST IRON

PROVIDE FROST SLAB AT DOORWAYS (TYP. OF 2). SEE ARCHITECTURAL DRAWINGS FOR DETAIL.

PROVIDE STEP FOUNDATION AS NECESSARY

PROTECT EXISTING SANITARY SEWER AND WATER MAIN

15'x12' CONCRETE PAD FOR RTU MOUNTED AT GRADE (SEE DETAIL).

CBP 1 GPS
SET REBAR & CAP
N=1085496.343
E=647556.138
ELEV=557.283

CPBM-2
RR SPIKE IN
POWER POLE
ELEV=558.76

CPBM-1
X CUT IN
ANCHOR BOLT
ELEV=559.94

RADIO ANTENNA

1 STORY BRICK BUILDING & GARAGE
FF=559.36

PROPOSED ADDITION

ASPHALT PARKING LOT

ASPHALT DRIVE

CONC PAD

GRASS

DIRT

EP

W-BEAM GUIDE RAIL

CHAIN LINK FENCE

6' GATE

2" WATER LINE

1" PVC CONDENSATE LINE
(COORDINATE WITH MECHANICAL)

PROVIDE WORK ZONE TRAFFIC CONTROL WARNING SIGNS AND CHANNELIZING DEVICES AS REQUIRED TO PROTECT WORK ZONE OR AOBE.

RESET CHAIN LINK FENCE POST

'NO PARKING' SIGN IN BOLLARD (SEE DETAIL)

PROPOSED ACCESSIBLE PAVEMENT MARKINGS

'ACCESSIBLE PARKING' WITH 'VAN ACCESSIBLE' SIGN IN BOLLARD (SEE DETAIL)

PROVIDE EXPANSION JOINT AT ALL HARD SURFACES

NEW HATCHED PAVEMENT STRIPING

NEW 9'x18' PARKING SPACE

NEW 5' WIDE CONCRETE SIDEWALK

PARKING STRIPE

RELOCATED FLAGPOLE.
PROVIDE CONCRETE FOUNDATION.
COORDINATE FINAL LOCATION WITH OWNER.

SURVEY BASELINE

CBP 2
SET REBAR & CAP
N=1085331.516
E=647625.143
ELEV=557.717

8' 5' 8' 6' 3' 5' 9' 9' 25

TA NUMBER/DWGS/DWG NUMBER
DRAFTED BY: J.L. MORRIS
CHECKED BY: XXX
DESIGNED BY: XXX
BUREAU DIRECTOR: XXX

| ALTERED ON: | AFFIXED ON: 07/30/2025 |
|---|---|
| SIGNATURE: STAMP: | SIGNATURE: STAMP: |

STATE OF NEW YORK · CHARLES BASILE · JAMES · LICENSED PROFESSIONAL ENGINEER · 080472

EXP. 5/31/2026

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REVISIONS

| DATE | DESCRIPTION | BY | SYM. |
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NEW YORK STATE OF OPPORTUNITY. Thruway Authority

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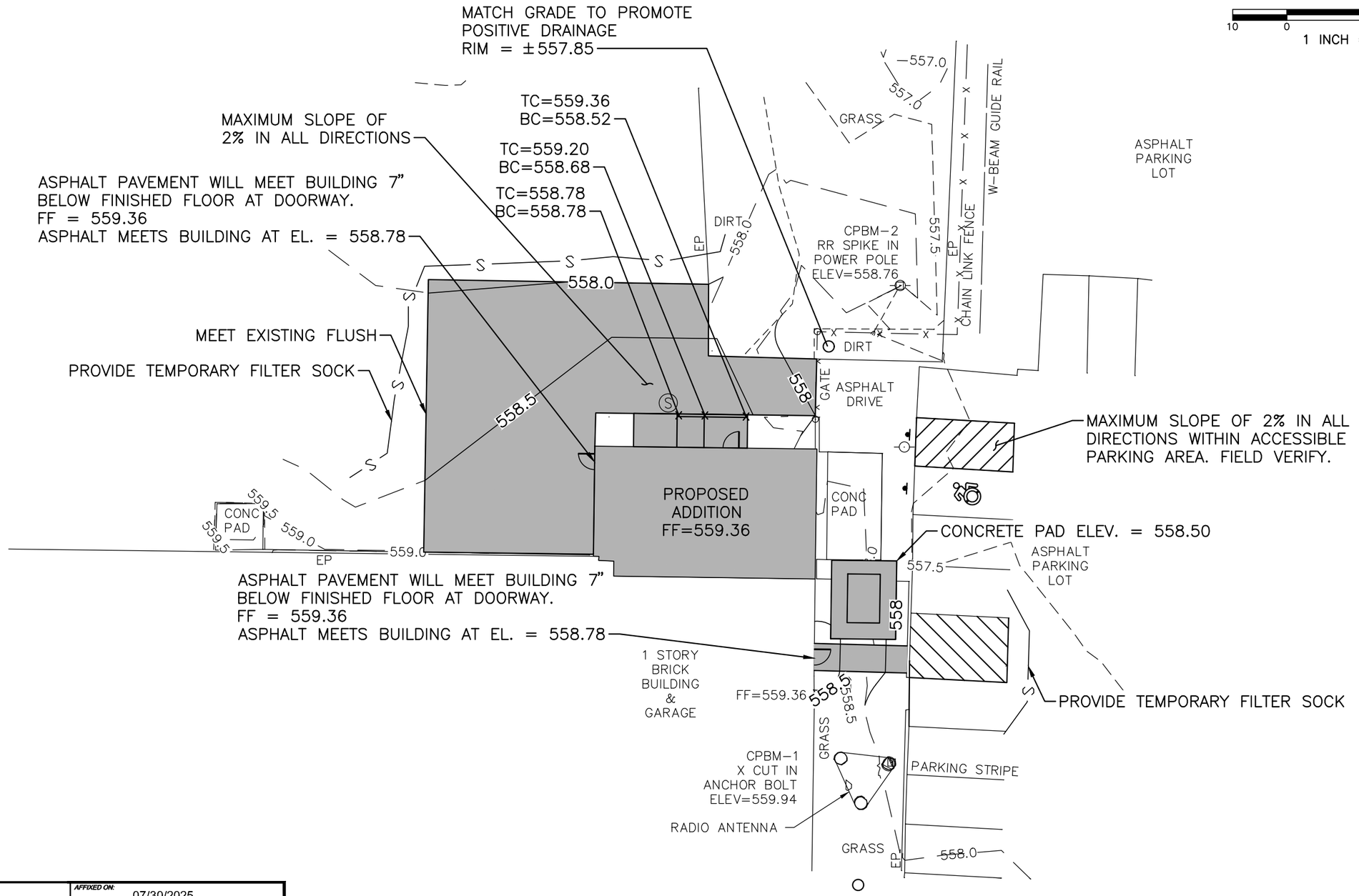
|---|---|
| TITLE OF PROJECT: ADDITIONS TO MAINTENANCE SECTION | CONTRACT NUMBER: TAS 25-9A |
| LOCATION OF PROJECT: MANCHESTER MP 340.15 | DATE: 07/30/2025 |
| TITLE OF DRAWING: PROPOSED SITE AND UTILITY PLAN | DRAWING NUMBER: C200 |




DRAFTED BY: XXX
DESIGNED BY: XXX
CHECKED BY: XXX
BUREAU DIRECTOR: J.J. MORRIS
TA NUMBER/DWG/SDWG NUMBER

ALTERED ON:

SIGNATURE:
STAMP:

AFFIXED ON: 07/30/2025

SIGNATURE:
STAMP:

STATE OF NEW YORK
JAMES CARLEE BASILE
080472
LICENSED PROFESSIONAL ENGINEER

EXP. 5/31/2026

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REVISIONS

| DATE | DESCRIPTION | BY | SYM. |
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NEW YORK STATE OF OPPORTUNITY. Thruway Authority

TITLE OF PROJECT
ADDITIONS TO MAINTENANCE SECTION

LOCATION OF PROJECT
MANCHESTER
MP 340.15

TITLE OF DRAWING
PROPOSED GRADING PLAN

CONTRACT NUMBER: TAS 25-9A

DATE: 07/30/2025

DRAWING NUMBER: C201

# GENERAL NOTES:

1. ALL WORK IS TO BE COMPLETED IN ACCORDANCE WITH OSHA, COUNTY, TOWN, NYSTA, NYSDEC, USACE AND LOCAL COMMUNITY REQUIREMENTS.
2. THE LOCATIONS, SIZES AND ELEVATIONS OF EXISTING UTILITIES ARE BASED ON INFORMATION COMPILED BY THE ENGINEER FROM DRAWINGS OF RECORDS AND INFORMATION FURNISHED BY THE VARIOUS UTILITIES, WITH FIELD CHECKING WHERE NECESSARY AND POSSIBLE. THE ACCURACY OF THIS INFORMATION IS NOT GUARANTEED AND MAY BE APPROXIMATE ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO HAVE THIS INFORMATION VERIFIED AND LOCATED PRIOR TO CONSTRUCTION. NO CONSTRUCTION EXCAVATION, BORING, OR BLASTING SHALL BE DONE WITHOUT CERTIFICATION OF THE DEPTH AND LOCATION OF UTILITIES. CALL DIG SAFELY NEW YORK (UFPO) AT 811 OR 1-(800)-962-7962 AT LEAST 48 HOURS PRIOR TO COMMENCING WORK.
3. THE CONTRACTOR SHALL EXPOSE EXISTING UTILITIES, SERVICES, SEWERS AND LATERALS AHEAD OF PIPE LAYING OR OTHER WORK OPERATIONS SO THAT IF MINOR ADJUSTMENTS MUST BE MADE IN ELEVATION AND/OR ALIGNMENT, DUE TO INTERFERENCE, THESE CHANGES CAN BE MADE IN ADVANCE OF THE WORK.
4. DRAINAGE SHALL BE MAINTAINED THROUGHOUT THE PERIOD OF CONSTRUCTION. THE ROADS SHALL BE KEPT CLEAN OF MUD AND DEBRIS AT ALL TIMES.
5. SAFE AND CONTINUOUS THROUGH TRAFFIC AND INGRESS AND EGRESS FOR ADJACENT OWNER DRIVEWAYS, SERVICE ROADS AND PUBLIC STREETS SHALL BE MAINTAINED THROUGHOUT THE PERIOD OF CONSTRUCTION.
6. THE CONTRACTOR SHALL CONFORM TO ALL CONDITIONS OF ANY APPLICABLE EASEMENTS.
7. THE CONTRACTOR SHALL LOCATE, FLAG AND PRESERVE SURVEY MONUMENTS AND PROPERTY CORNER MARKERS. THE CONTRACTOR SHALL HAVE A LICENSED SURVEYOR REESTABLISH ANY PROPERTY CORNERS OR SURVEY MONUMENTS DISTURBED DURING CONSTRUCTION AT NO ADDITIONAL COST TO THE OWNER.
8. THE CONTROL OF EROSION AND SEDIMENT ORIGINATING FROM CONSTRUCTION OPERATIONS IS CONSIDERED A CRITICAL RESPONSIBILITY OF THE CONTRACTOR. EROSION CONTROL DEVICES SHALL BE ESTABLISHED PRIOR TO COMMENCING WORK. THE ENGINEER WILL BE THE FINAL JUDGE OF THE ADEQUACY OF CONTRACTOR'S EROSION AND SEDIMENT CONTROL AND MAY SUSPEND WORK UNTIL ADEQUATE CONTROL IS ATTAINED.
9. UTILITY POLES SHALL BE SUPPORTED, WHERE NECESSARY, AT NO ADDITIONAL COST TO THE OWNER.
10. TO PROTECT NEW OR EXISTING WORK, SHEETING OR SHORING (IF REQUIRED DURING CONSTRUCTION) SHALL BE PROVIDED AT NO COST TO THE OWNER.
11. CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER DISPOSAL OF EXCAVATED MATERIAL FROM THE SITE.
12. THE CONTROL OF DUST ORIGINATING FROM THE CONSTRUCTION OPERATIONS IS CONSIDERED A CRITICAL RESPONSIBILITY OF THE CONTRACTOR. THE ENGINEER WILL BE THE FINAL JUDGE OF THE ADEQUACY OF THE CONTRACTOR'S DUST CONTROL EFFORTS. WORK MAY BE SUSPENDED BY THE ENGINEER UNTIL ADEQUATE DUST CONTROL IS ATTAINED.
13. ALL NEW SURFACES SHALL BE SLOPED AWAY FROM THE BUILDING ADDITION UNLESS OTHERWISE NOTED ON THE DRAWINGS.
14. MAINTAIN FIRE APPARATUS ACCESS ROAD TO ALL PORTIONS OF THE BUILDING. THE FIRE APPARATUS ACCESS ROAD SHALL COMPLY WITH THE FIRE CODE AND EXTEND TO WITHIN 150' OF THE BUILDING.

# EROSION CONTROL NOTES:

1. SEDIMENT FROM THE SITE SHALL BE PREVENTED FROM DISCHARGING TO ANY SURFACE WATER OR STORMWATER PIPING SYSTEM BY THE INSTALLATION OF EROSION AND SEDIMENTATION CONTROL MEASURES AND PRACTICES PRIOR TO OR CONCURRENT WITH LAND DISTURBING ACTIVITIES.
2. CONTRACTOR SHALL APPOINT A PERSON TO BE RESPONSIBLE FOR ALL EROSION AND SEDIMENT CONTROL MEASURES. THIS PERSON SHALL BE TRAINED IN ACCORDANCE WITH NYSDEC REQUIREMENTS FOR EROSION AND SEDIMENT CONTROL ACTIVITIES.
3. PROVIDE AND MAINTAIN SILT FENCE AROUND PERIMETER OF ALL WORK AREAS, EXCAVATED SOIL STOCKPILES, AND BETWEEN DISTURBED AREAS AND DRAINAGE WAYS OR WATER BODIES. COORDINATE LOCATIONS WITH OWNER AS WORK PROGRESSES AND AREAS ARE STABILIZED. SILT FENCE TO BE INSTALLED AND ENTRENCHED (MIN 6" BELOW GROUND ELEVATION). SILT SOCK MAY USED ON PAVED OR GRAVEL AREAS.
4. EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO ANY SOIL DISTURBANCE ACTIVITIES, INCLUDING GRADING OR FILLING OPERATIONS AND INSTALLATION OF PROPOSED STRUCTURES OR UTILITIES.
5. CONTRACTOR SHALL MAINTAIN EROSION CONTROL MEASURES AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED.
6. PERMANENT GROUND COVER SHALL BE INSTALLED ON ALL DISTURBED AREAS WITHIN 5 WORKING DAYS FOLLOWING COMPLETION OF CONSTRUCTION OR DEVELOPMENT.
7. ADJACENT ROADWAYS TO BE KEPT FREE AND CLEAR OF DEBRIS, REFUSE AND SILT AT ALL TIMES.
8. CONTRACTORS SHALL NOT WASH CONCRETE TRUCKS, TOOLS OR EQUIPMENT OUT ONTO BARE GROUND OR DIRECTLY INTO STORM OR SANITARY SEWER SYSTEMS (INCLUDING SWALES, DITCHES, STREAMS, PONDS, WETLANDS, ETC.). EXCESS CONCRETE AND CONCRETE WASH WATER SHALL BE COLLECTED IN A WASHBASIN AND DISPOSED OF PROPERLY. CONCRETE WASHOUT AREAS SHALL BE DESIGNED TO THE MOST CURRENT VERSION OF THE NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL. ALL CONCRETE WASHOUT AREAS UTILIZED BY THE CONTRACTOR SHALL BE PRE-APPROVED BY THE THRUWAY PROJECT-ENGINEER (TPE). REFER TO ENVIRONMENTAL SPECIAL NOTE 29: CONTROL OF WET CONCRETE WASTE.
9. EROSION CONTROL MEASURES WILL BE STRICTLY ENFORCED BY THE ENGINEER. ANY EROSION CONTROL DEVICE WHICH IS DEEMED NECESSARY BY THE ENGINEER SHALL BE INSTALLED BY THE CONTRACTOR PRIOR TO CONTINUING WITH THE WORK.
10. PERIODIC CLEANING AND INSPECTION OF TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL DEVICES WILL BE NECESSARY. AFTER ANY STORM EVENT MAINTENANCE SHALL BE REQUIRED.
11. IN THE EVENT DEWATERING OPERATIONS BECOME NECESSARY, A SETTLING BASIN WILL BE REQUIRED UNLESS THE PUMP DISCHARGE IS AS CLEAR AND FREE OF SEDIMENT AS THE FLOWING STREAM. PRIOR TO USE, THE SETTLING BASIN LOCATION AND DESIGN SHALL BE APPROVED BY THE ENGINEER.
12. THE COST OF INSTALLING, CLEANING AND REMOVING TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL DEVICES SHALL NOT BE PAID FOR SEPARATELY. THEY SHALL BE INCLUDED AS SPECIFIED IN THE BIDDING DOCUMENTS.

# DEMOLITION NOTES:

1. THE CONTRACTOR SHALL ABANDON AND/OR REMOVE EXISTING UTILITIES, STRUCTURES, PAVEMENT, SIDEWALK, CURB AND APPURTENANCES AS SHOWN ON THE PLANS AND/OR AS DIRECTED.
2. ALL MATERIALS SHALL BE DISPOSED OF OFF-SITE IN ACCORDANCE WITH ALL CURRENT REGULATIONS AND REQUIREMENTS.
3. PROTECT PROJECT BENCHMARKS.
4. CONTRACTOR TO COORDINATE WITH OWNER FOR WORK ADJACENT TO BUILDING ENTRANCES/EXITS. ENTRANCE/EXIT DOORS TO ALL BUILDINGS TO REMAIN FULLY FUNCTIONAL AND UNOBSTRUCTED AS REQUIRED BY CODE TO INSURE PROPER INGRESS AND EGRESS IS MAINTAINED AT ALL TIMES.
5. CONTRACTOR TO PROVIDE TEMPORARY WALKWAYS TO MAINTAIN INGRESS AND EGRESS TO ALL BUILDINGS AS NECESSARY AND TO BE COORDINATED WITH OWNER'S REPRESENTATIVE. WALKWAYS WITHIN 10' OF CONSTRUCTION, DEMOLITION ACTIVITIES, OR OPEN EXCAVATION SHALL HAVE PHYSICAL BARRIERS TO PROTECT PEDESTRIANS.
6. PROTECT ALL SURFACE AND SUBSURFACE UTILITIES TO REMAIN DURING DEMOLITION WORK.
7. THE CONTRACTOR SHALL DETERMINE EXACT LOCATION AND ELEVATION OF UNDERGROUND UTILITIES BEFORE COMMENCING CONSTRUCTION. CONTRACTOR SHALL MAKE EXPLORATION EXCAVATIONS TO LOCATE EXISTING UNDERGROUND FACILITIES SUFFICIENTLY AHEAD OF CONSTRUCTION TO PERMIT REVISIONS AS REQUIRED.
8. WHERE ASPHALT PAVEMENT IS TO BE REMOVED ADJACENT TO CURB OR SIDEWALK THAT IS TO REMAIN, THE CONTRACTOR SHALL MAKE A FULL DEPTH SAW CUT IN THE ASPHALT PAVEMENT ALONG THE FACE OF THE CURB TO PROTECT THE CURB AND SIDEWALK.
9. ALL NEW AND RESTORED LAWN AREAS SHALL RECIEVE 4" OF APPROVED TOP SOIL AND BE SEEDED.

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CHECKED BY: XXX
BUREAU DIRECTOR: J.L. MORRIS
TA NUMBER/DWG/SDWG #/UMBER: XXX

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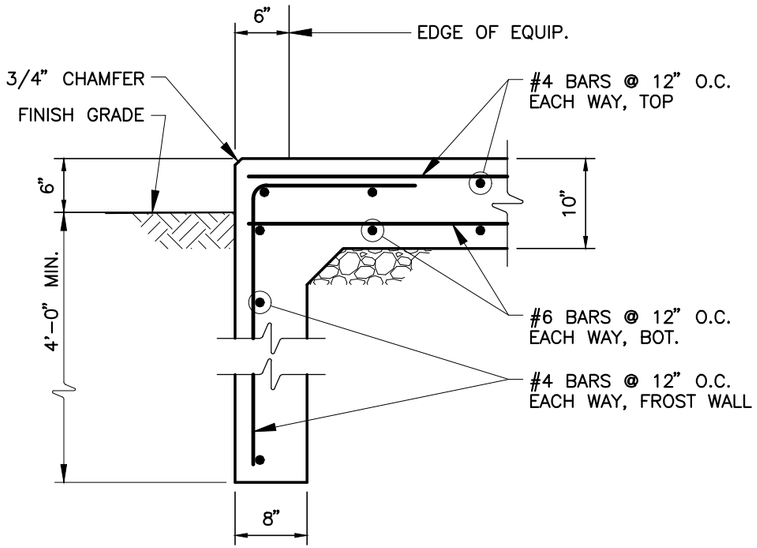
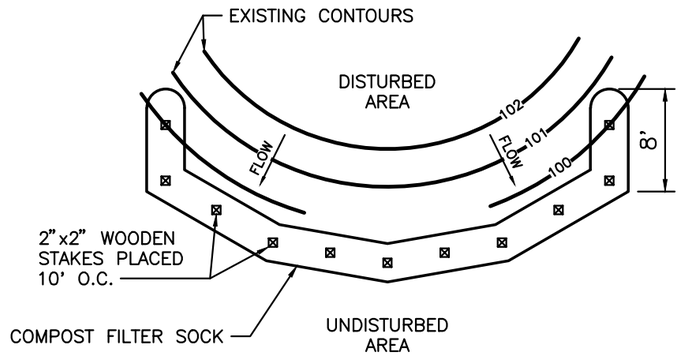
| TITLE OF PROJECT: ADDITIONS TO MAINTENANCE SECTION | CONTRACT NUMBER: TAS 25-9A |
| LOCATION OF PROJECT: MANCHESTER MP 340.15 | DATE: 07/30/2025 |
| TITLE OF DRAWING: MISCELLANEOUS DETAILS | DRAWING NUMBER: C300 |

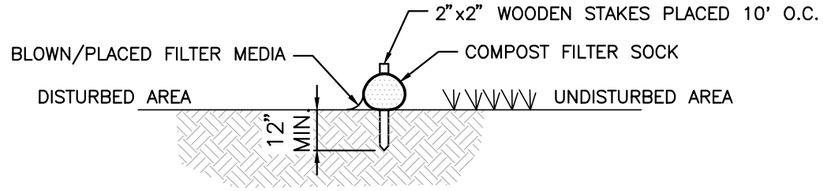



## MOVEMENT SENSITIVE EQUIPMENT

| COMPOST FILTER SOCK SIZE CHART | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| DIA. (IN.) | SLOPE % | 2 | 5 | 10 | 20 | 25 | 33 | 50 |
| 8 | LENGTH (FEET) | 225 | 200 | 100 | 50 | 20 | – | – |
| 12 | | 250 | 225 | 125 | 65 | 50 | 40 | 25 |
| 18 | | 275 | 250 | 150 | 70 | 55 | 45 | 30 |
| 24 | | 350 | 275 | 200 | 130 | 100 | 60 | 35 |
| 32 | | 450 | 325 | 275 | 150 | 120 | 75 | 50 |



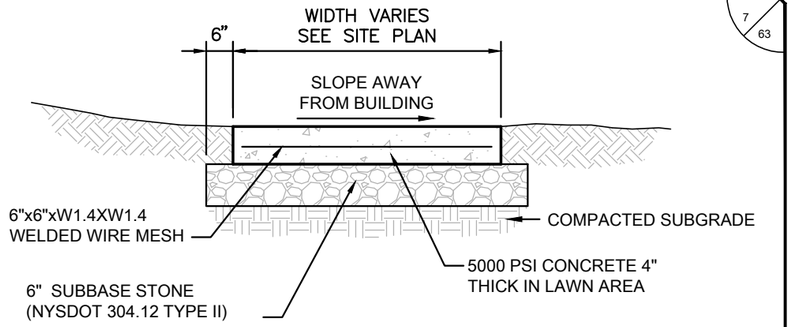

## PLAN VIEW



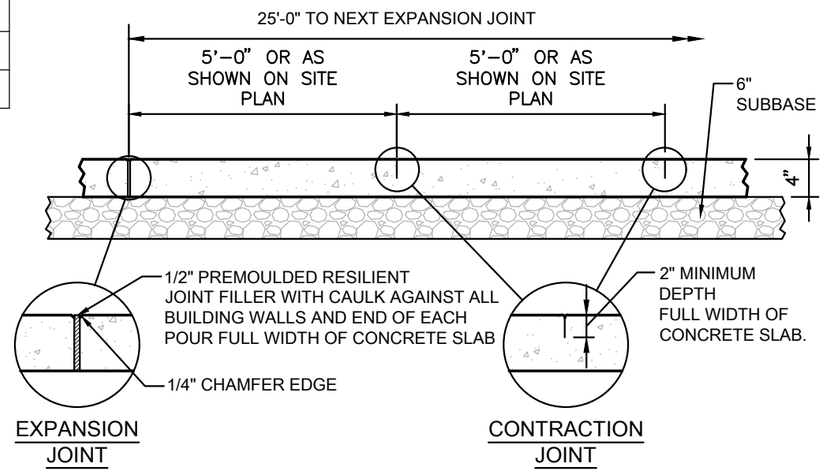

## SECTION VIEW

# COMPOST FILTER SOCK

N.T.S.




## CROSS-SECTIONAL VIEW




## SIDE VIEW

# TYPICAL CONCRETE SIDEWALK

N.T.S.

DETAIL NOTES:
1. COORDINATE EQUIPMENT PAD SIZE AND LOCATION WITH MECHANICAL, ELECTRICAL AND EQUIPMENT MANUFACTURER'S DRAWINGS.
2. VERIFY PAD THICKNESS WITH EQUIPMENT MANUFACTURER FOR ANCHORAGE.
3. PROVIDE CONTROL JOINTS IN SLAB AT SPACINGS NOT TO EXCEED 12'–0" O.C. IN EITHER DIRECTION. JOINTED AREAS SHALL BE SQUARE.

# EXTERIOR EQUIPMENT CONCRETE PAD

N.T.S.

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NEW YORK STATE OF OPPORTUNITY. Thruway Authority

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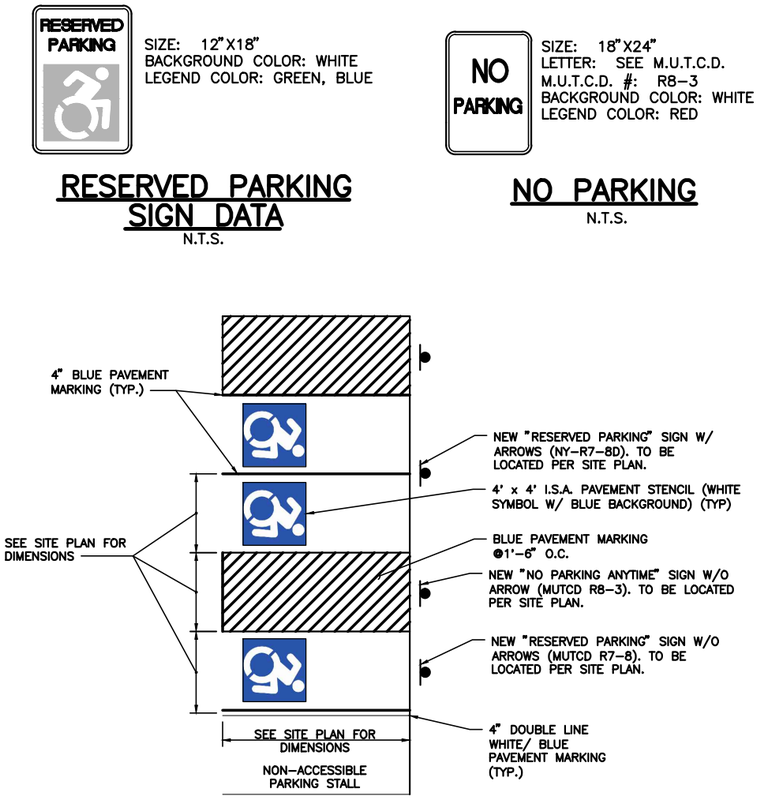
| TITLE OF PROJECT: ADDITIONS TO MAINTENANCE SECTION | CONTRACT NUMBER: TAS 25-9A |
| LOCATION OF PROJECT: MANCHESTER MP 340.15 | DATE: 07/30/2025 |
| TITLE OF DRAWING: MISCELLANEOUS DETAILS | DRAWING NUMBER: C301 |

TA NUMBER/DWGS/DWG NUMBER
DRAFTED BY: XXX
CHECKED BY: XXX
DESIGNED BY: XXX
BUREAU DIRECTOR: J.L. MORRIS




## TYPICAL ACCESSIBLE PARKING STRIPING
N.T.S.



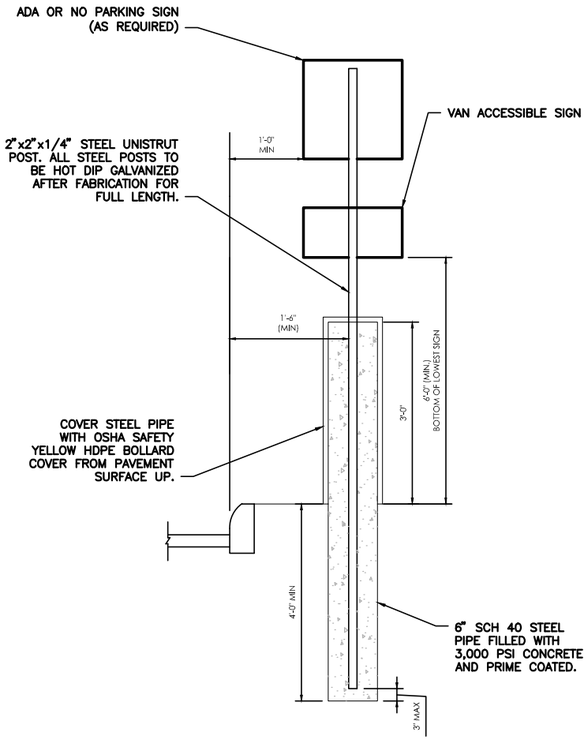

SIZE: 12"X18"
BACKGROUND COLOR: WHITE
LEGEND COLOR: GREEN, BLUE

## RESERVED PARKING SIGN DATA
N.T.S.



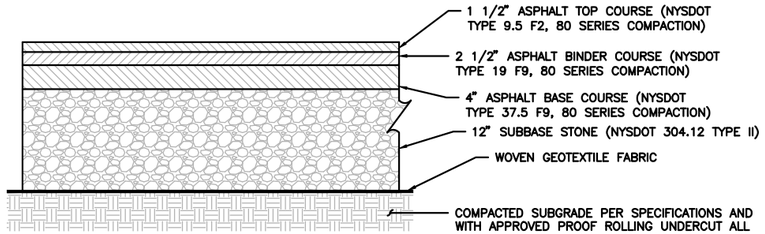

SIZE: 18"X24"
LETTER: SEE M.U.T.C.D.
M.U.T.C.D. #: R8-3
BACKGROUND COLOR: WHITE
LEGEND COLOR: RED

## NO PARKING
N.T.S.

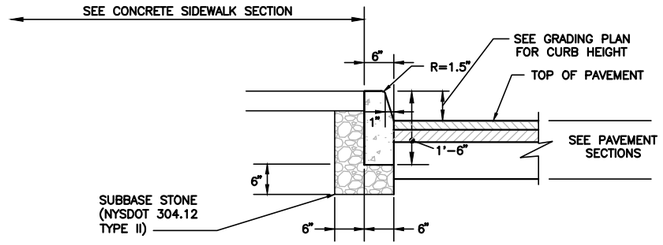



NOTE: (FOR 36" WIDE SIGNS AND GREATER)
1. 2 SIGN POSTS ARE REQUIRED
2. POSTS WILL BE CENTERED AND SPACED AT 20" C-C

## SIGN POST IN BOLLARD
N.T.S.




## STANDARD DUTY ASPHALT PAVEMENT SECTION
N.T.S.




NOTES:
1. CONTRACTION JOINTS SHALL BE FORMED OR SAWCUT EVERY 10 FEET TO DEPTHS SLIGHTLY BELOW THE PAVEMENT SURFACE.
2. EXPANSION JOINTS 3/4 INCH IN WIDTH SHALL BE FORMED WITH A PREMOLDED BITUMINIOUS JOINT FILLER EVERY 40 FEET.
3. SLOPE TOP OF CURB 1/8" PER FOOT TOWARD PAVEMENT.
4. EXPANSION JOINTS AND FORMED CONTRACTION JOINTS ARE TO BE EDGED WITH CONCRETE FINISHING TOOLS.
5. CONCRETE SEALING AGENT SHALL BE APPLIED THE SAME DAY THAT CURBS ARE CONSTRUCTED.

## CONCRETE CURB
N.T.S.

DRAFTED BY: XXX
DESIGNED BY: XXX
CHECKED BY: XXX
CHECKED BY: XXX
BUREAU DIRECTOR: J.T. MORRIS
TA NUMBER/DWGS/DWG NUMBER

| ALTERED ON: | AFFIXED ON: 07/30/2025 |
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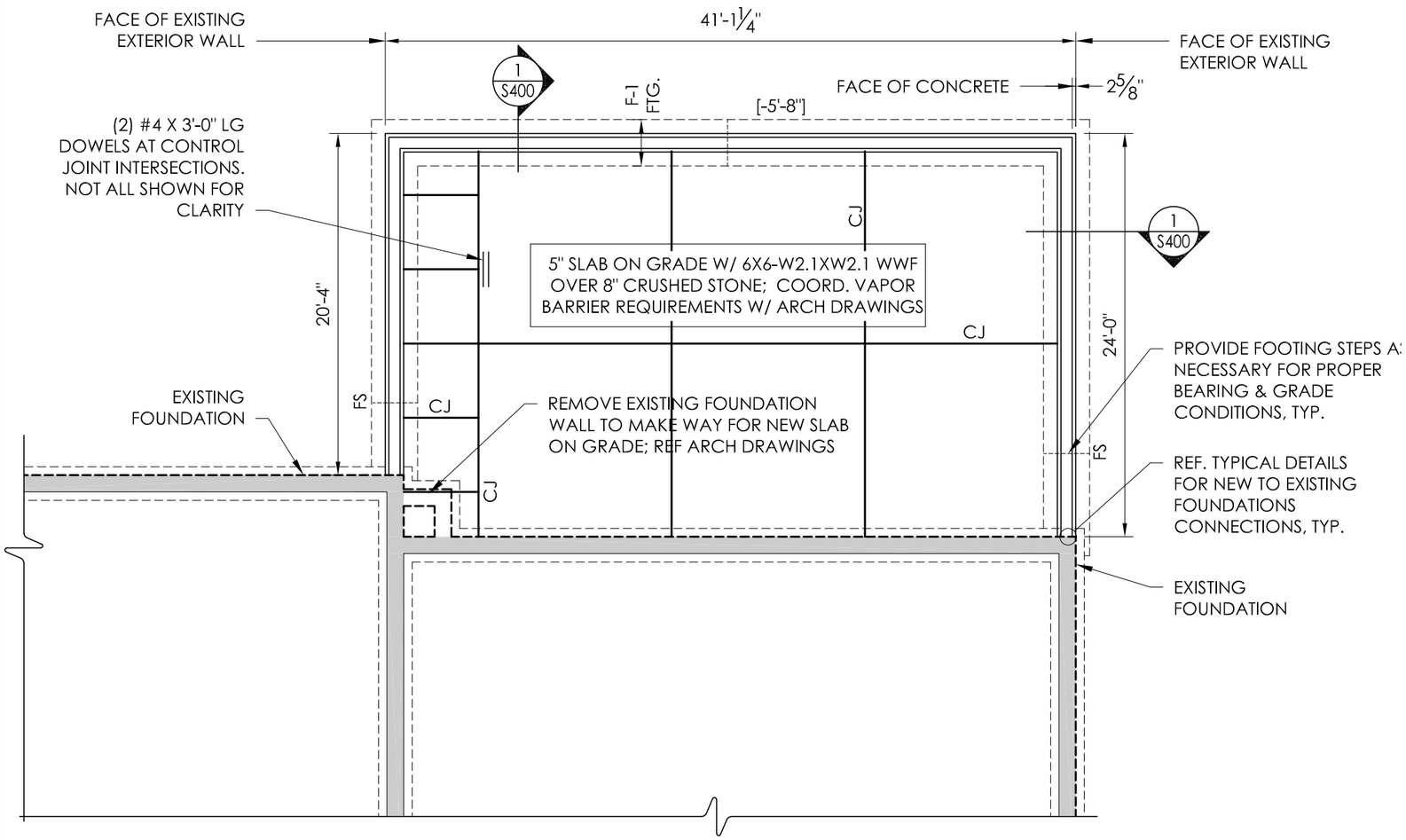
| TITLE OF PROJECT: ADDITIONS TO MAINTENANCE SECTION | CONTRACT NUMBER: TAS 25-9A |
| LOCATION OF PROJECT: MANCHESTER MP 340.15 | DATE: 07/30/2025 |
| TITLE OF DRAWING: MISCELLANEOUS DETAILS | DRAWING NUMBER: C302 |




1 S201 FOUNDATION PLAN
SCALE: 1/8" = 1'-0"

REF N

## FOUNDATION AND SLAB PLAN NOTES

1. DATUM 0'-0" = 559.36' = FINISHED FLOOR ELEVATION.
2. FOUNDATION DESIGN(S) IS BASED ON THE GEOTECH REPORT BY EMPIRE GEO TECHNICAL ENGINEERING SERVICES, DATED SEPTEMBER 2019. THE CONTRACTOR SHALL OBTAIN A COPY OF THE REPORT AND REVIEW THE RECOMMENDATIONS AND REQUIREMENTS INCLUDED THEREIN PRIOR TO START OF CONSTRUCTION.
3. DESIGN ALLOWABLE SOIL BEARING CAPACITY IS 2,000 PSF (NATURAL SOILS OR FILL).
4. TOP OF EXTERIOR FOOTING SHALL BEAR AT A MINIMUM OF 4'-0" BELOW FINISHED GRADE UNLESS NOTED OTHERWISE.
5. TOP OF INTERIOR FOOTINGS SHALL BE AT [-8"] BELOW FINISHED FLOOR UNLESS NOTED OTHERWISE. TOP OF PIERS/FOOTINGS OF COLUMNS/WALLS SUPPORTING A ROOF DRAIN LEADER SHALL BE RECESSED FROM FINISHED FLOOR BY A MINIMUM OF 12-INCHES. FOR CONTINUOUS WALL FOOTINGS, THE ABOVE CITED RECESS SHALL BE MINIMUM 2'-0" WIDE. MAINTAIN REQUIRED FOOTING THICKNESS AT ALL TIMES. CONTRACTOR TO COORDINATE DRAIN LOCATIONS AND ELEVATIONS WITH FOUNDATION ELEMENTS AND NOTIFY ARCHITECT AND ENGINEER IF ANY CONFLICTS EXIST.
6. [XX'-XX"] DENOTES TOP OF PROPOSED FOOTING AS REFERENCED FROM FINISHED FLOOR SLAB.
7. (XX'-XX") DENOTES TOP OF EXISTING FOOTING AS REFERENCED FROM FINISHED FLOOR ELEVATION. WHERE NEW FOOTING ABUTS EXISTING, MATCH BEARING ELEVATION OF EXISTING.
8. NO PIPES OR CONDUIT SHALL BE PLACED IN THE FOOTINGS. REFER TO PLUMBING AND ELECTRICAL DRAWINGS, AND UTILITY PLANS FOR ALL LOCATIONS AN ELEVATIONS OF PENETRATIONS THROUGH FOUNDATION WALLS. DO NOT EMBED PIPING WITHIN OR PASS PIPING VERTICALLY OR HORIZONTALLY THROUGH FOUNDATIONS WITHOUT REVIEW AND APPROVAL BY THE ENGINEER. STEP TOP OF FOOTINGS DOWN TO ALLOW PIPES OR CONDUIT TO RUN OVER TOP OF FOOTINGS.
9. FOOTINGS SHALL BE CENTERED ABOUT COLUMN LINES AND FOUNDATION WALLS UNLESS NOTED OTHERWISE.
10. CONCRETE SLAB-ON-GRADE SHALL BE 5" THICK, NORMAL WEIGHT CONCRETE WITH REINFORCING OVER A VAPOR BARRIER AND 8" COMPACTED CRUSHED STONE, UNLESS NOTED OTHERWISE.
11. REFER TO ARCHITECTURAL DRAWINGS FOR FLOOR FINISHES, FLOOR DRAINS, SLOPES, DEPRESSED/RAISED SLAB AREAS, AND WATERPROOFING.
12. REFER TO S800 SERIES DRAWINGS FOR ALL DESIGN LOADS AND OTHER INFORMATION PERTINENT TO THE STRUCTURAL DESIGN.
13. THE FOLLOWING DENOTES SYMBOL REPRESENTATION:
    FS = FOOTING STEP, COORDINATE WITH GRADING PLANS
    FD = FLOOR DRAIN
    CJ = SLAB CONTROL JOINTS
    TS = THICKENED SLAB
14. (2) SEPARATE POURS ARE ACCEPTABLE FOR FOX BLOCKS CORE POUR.

### CONTINUOUS SPREAD FOOTING SCHEDULE

| MARK | SIZE (THICKNESSxWIDTH) | REINFORCING |
|---|---|---|
| F-1 | 12" x 2'-9" | (3) CONT. LONGITUDINAL #5 BAR<br>#5 TRANSVERSE BARS @ 14" O.C. |

| ALTERED ON: | AFFIXED ON: 07/30/2025 |
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| SIGNATURE: STAMP: | SIGNATURE: STAMP: STATE OF NEW YORK LARRY D. WERTS 084985 LICENSED PROFESSIONAL ENGINEER EXP. 12/31/2027 |

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| DATE | DESCRIPTION | BY | SYM. |
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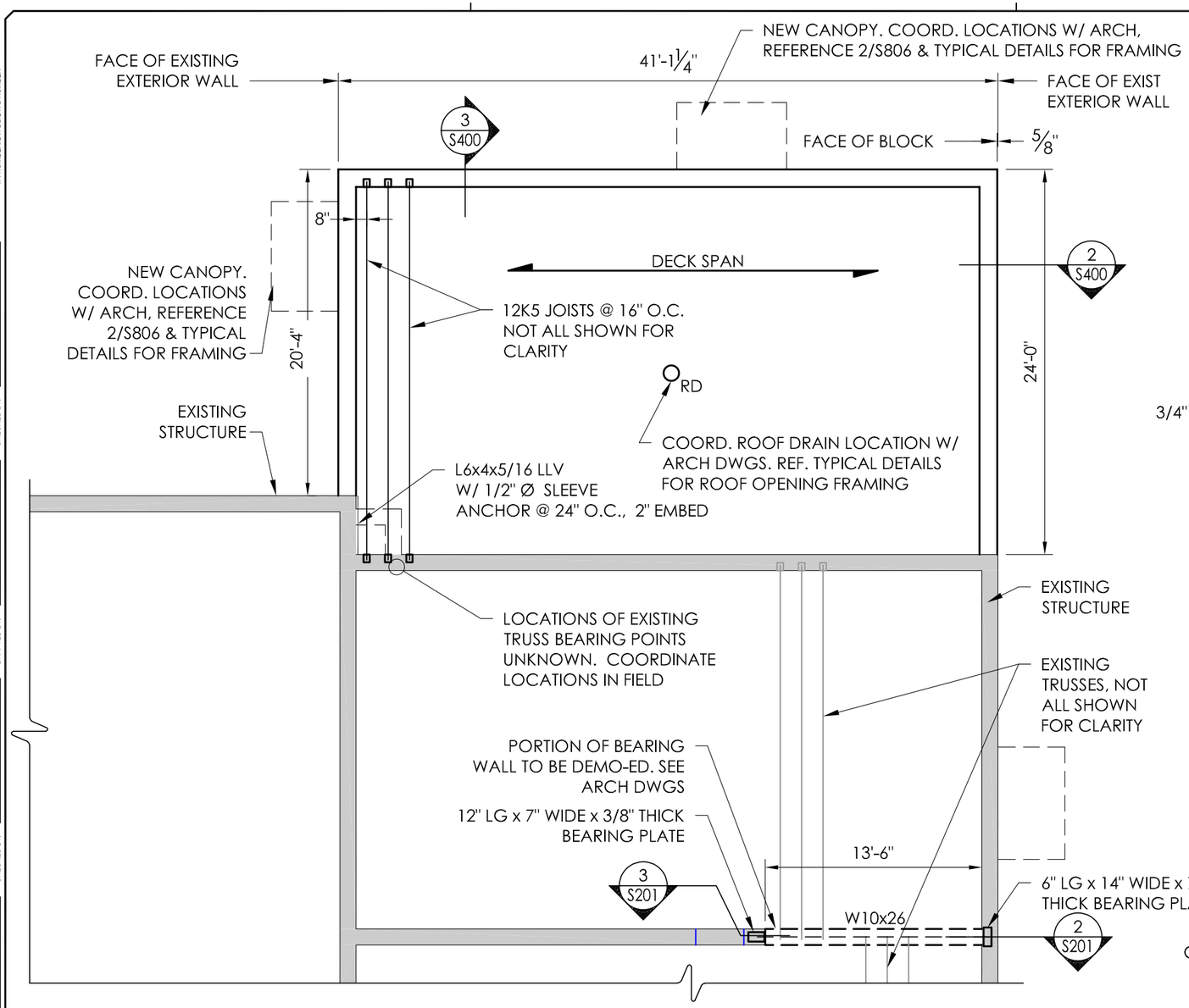
| TITLE OF PROJECT: ADDITIONS TO MAINTENANCE SECTION | CONTRACT NUMBER: TAS 25-9A |
| LOCATION OF PROJECT: MANCHESTER MP 340.15 | DATE: 07/30/2025 |
| TITLE OF DRAWING: FOUNDATION PLAN | DRAWING NUMBER: S200 |

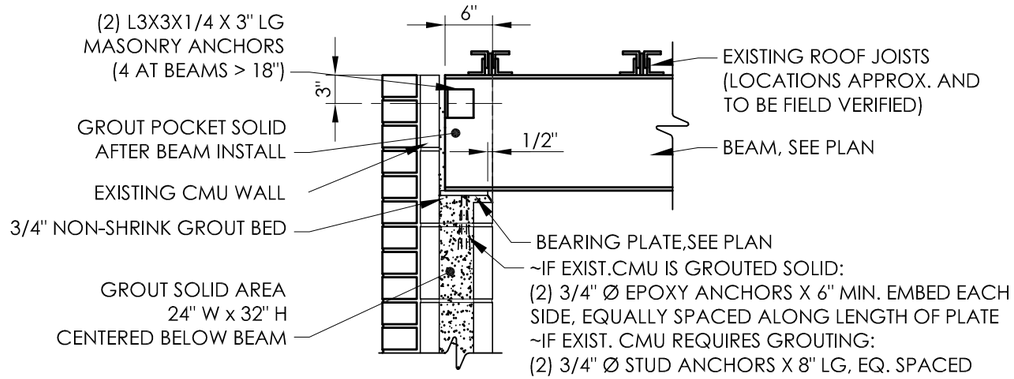
DRAFTED BY: J.L. MORRIS
DESIGNED BY: XXX
CHECKED BY: XXX
DRAWING NUMBER: XXX
TA NUMBER/DWSS/DWG NUMBER



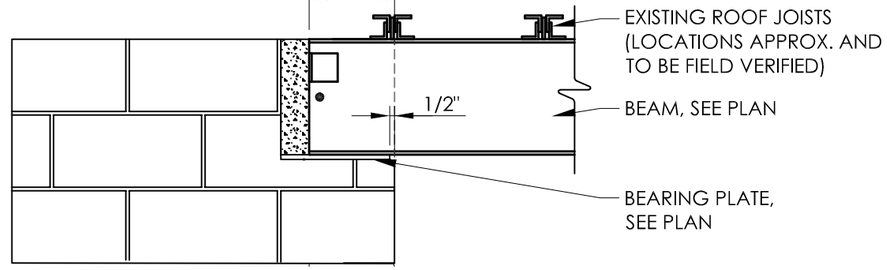

1 S201 **ROOF FRAMING PLAN**
SCALE: 1/8" = 1'-0"

## ROOF FRAMING NOTES

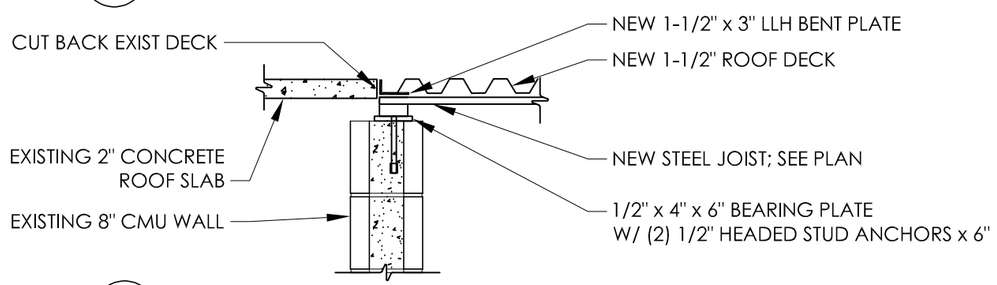
1. TOP OF STEEL/BOTTOM OF DECK ELEVATION = EXISTING T.O. STEEL ELEVATION = 10'-0 1/2"±, UNLESS NOTED OTHERWISE BY (+ OR -).
2. METAL ROOF DECK SHALL BE TYPE "B" - 20 GAGE, 1 1/2" WIDE RIB, UNLESS NOTED OTHERWISE.
3. REFER TO ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR PENETRATIONS NOT SHOWN, AND ALL LOCATIONS SEE TYPICAL DETAILS FOR ADDITIONAL REINFORCEMENT REQUIREMENTS AT OPENINGS. CONTRACTOR TO COORDINATE.
4. PROVIDE JOIST BRIDGING PER THE REQUIREMENTS OF THE STEEL JOIST INSTITUTE. CONTRACTOR TO COORDINATE LOCATIONS OR REQUIRED HORIZONTAL BRIDGING WITH MECHANICAL DRAWINGS.




2 S201 **BEAM BEARING ON MASONRY WALL DETAIL**
SCALE: 3/4" = 1'-0"




3 S201 **BEAM BEARING ON MASONRY WALL DETAIL**
SCALE: 3/4" = 1'-0"




4 S201 **ROOF DECK @ MASONRY WALL DETAIL**
SCALE: 3/4" = 1'-0"

| ALTERED ON: | AFFIXED ON: 07/30/2025 |
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| SIGNATURE: STAMP: | SIGNATURE: STAMP: STATE OF NEW YORK · LARRY D. WERTS · 084985 · LICENSED PROFESSIONAL ENGINEER · EXP. 12/31/2027 |

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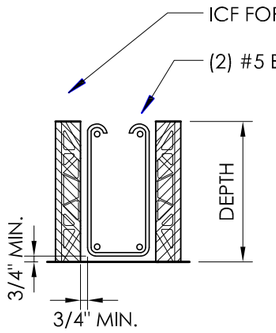
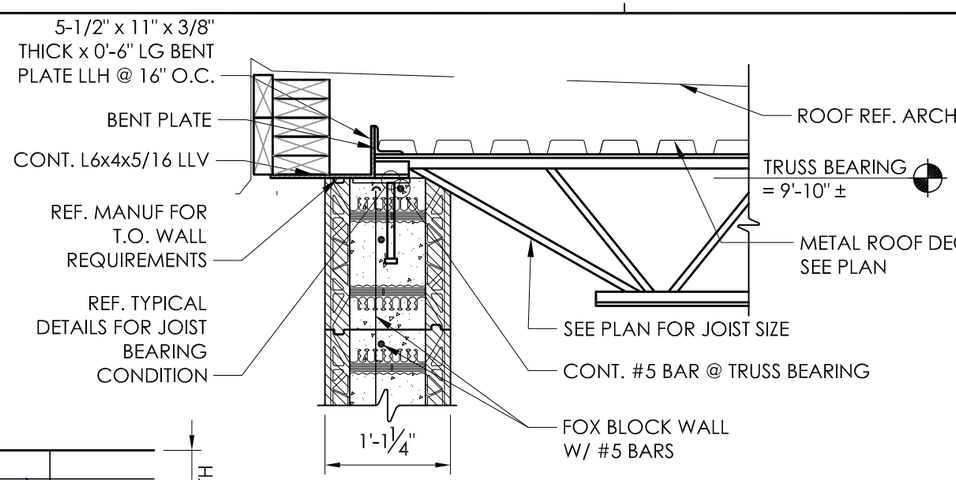
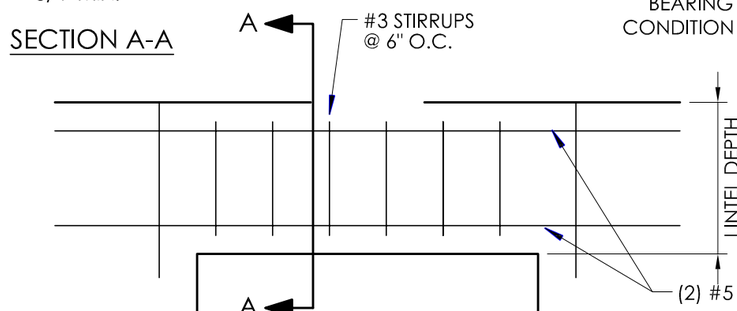
| TITLE OF PROJECT: ADDITIONS TO MAINTENANCE SECTION | CONTRACT NUMBER: TAS 25-9A |
| LOCATION OF PROJECT: MANCHESTER MP 340.15 | DATE: 07/30/2025 |
| TITLE OF DRAWING: ROOF FRAMING PLAN | DRAWING NUMBER: S201 |

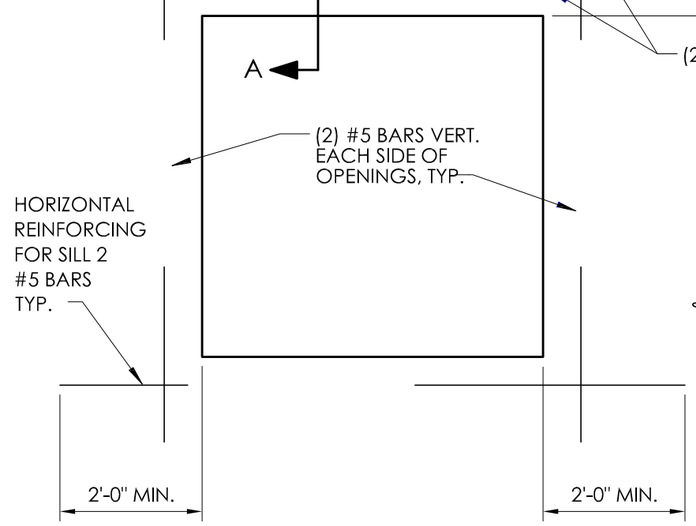
TA NUMBER/DWGS/DWG NUMBER
DRAFTED BY: XXX
CHECKED BY: XXX
DESIGNED BY: XXX
BUREAU DIRECTOR: J.L MORRIS



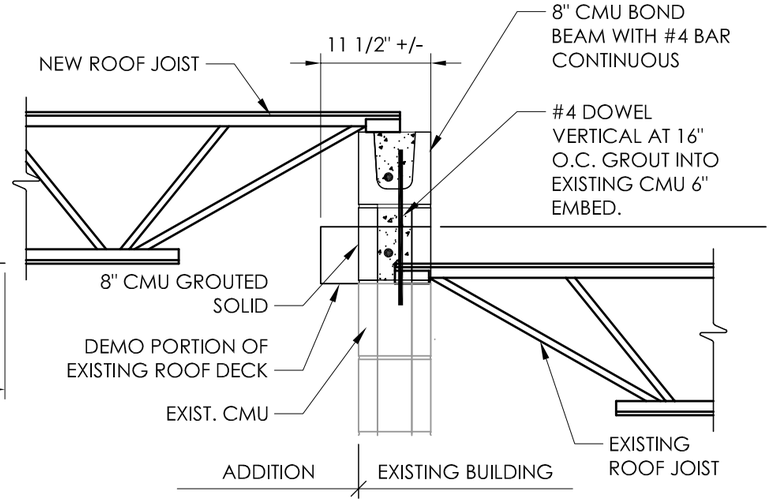




3 S400 SECTION
SCALE: 3/4" = 1'-0"

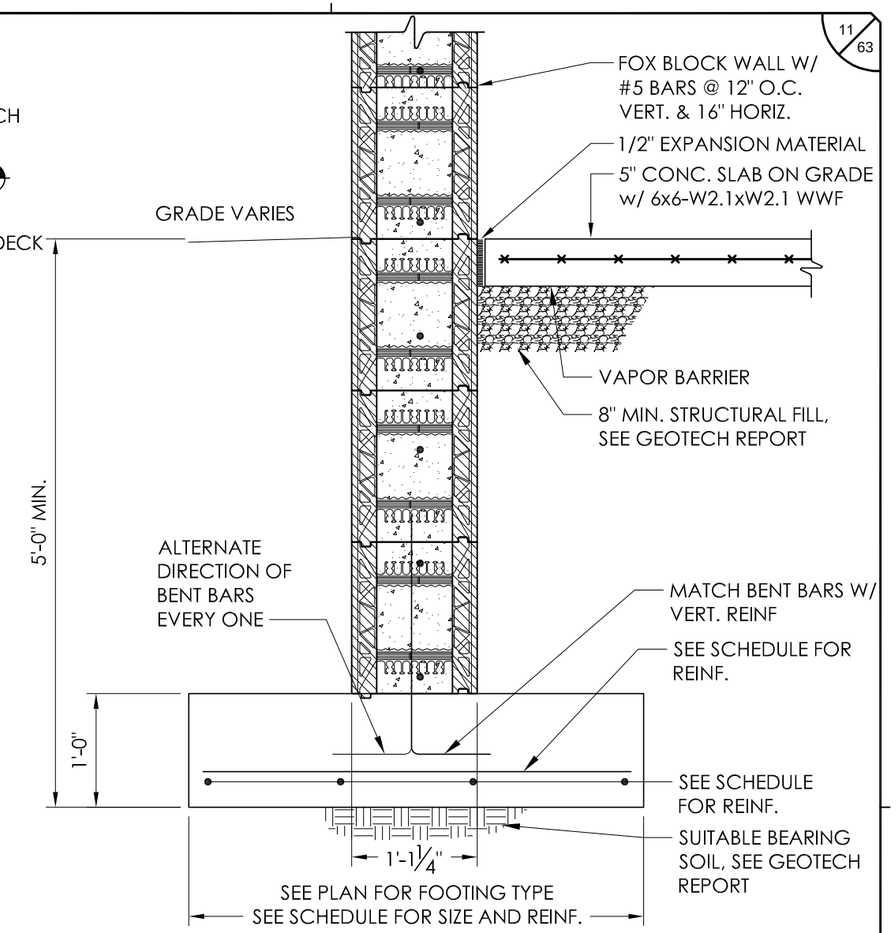


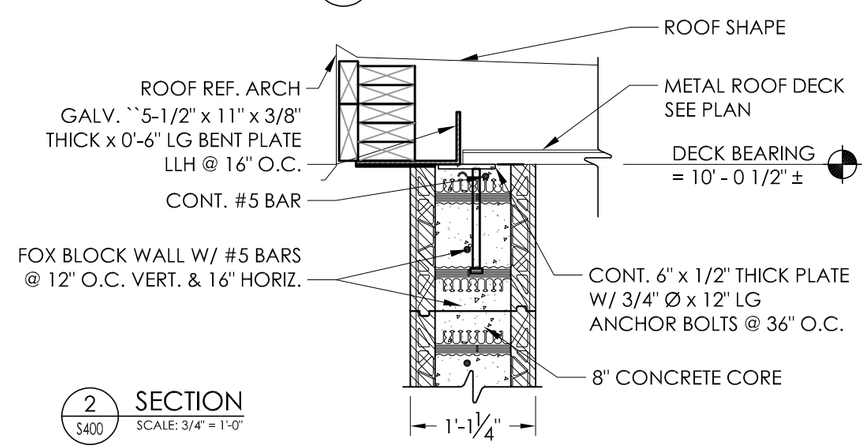

4 S400 TYPICAL OPENING REINFORCING DETAIL
SCALE: N.T.S.




5 S400 SECTION
SCALE: 3/4" = 1'-0"




1 S400 SECTION
SCALE: 3/4" = 1'-0"




2 S400 SECTION
SCALE: 3/4" = 1'-0"

| ALTERED ON: | AFFIXED ON: 07/30/2025 |
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| SIGNATURE: STAMP: | SIGNATURE: STAMP: STATE OF NEW YORK · LARRY D. WERTS · 084985 · LICENSED PROFESSIONAL ENGINEER · EXP. 12/31/2027 |

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| TITLE OF PROJECT: ADDITIONS TO MAINTENANCE SECTION | CONTRACT NUMBER: TAS 25-9A |
| LOCATION OF PROJECT: MANCHESTER MP 340.15 | DATE: 07/30/2025 |
| TITLE OF DRAWING: SECTIONS AND DETAILS | DRAWING NUMBER: S400 |

TA NUMBER/DWGS/DWG NUMBER
DRAFTED BY: XXX
CHECKED BY: XXX
DESIGNED BY: XXX
BUREAU DIRECTOR: J.L. MORRIS

## GENERAL NOTES

1. THE STRUCTURE SHOWN ON THESE DRAWING IS SOUND ONLY IN ITS COMPLETED FORM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE DESIGN, ADEQUACY, SAFETY AND STABILITY OF TEMPORARY ERECTION BRACING AND SHORING.
2. WHERE A DETAIL, TYPICAL DETAIL, SECTION, TYPICAL SECTION OR PLAN NOTE IS SHOWN FOR ONE CONDITION, IT SHALL APPLY FOR ALL SIMILAR OR LIKE CONDITIONS UNLESS NOTED OTHERWISE.
3. ALL DESIGN, INCLUDING MATERIAL STRESSES AND METHODS OF CONSTRUCTION SHALL BE IN COMPLIANCE WITH THE 2020 BUILDING CODE OF NEW YORK STATE, OSHA AND GOVERNING AGENCIES HAVING JURISDICTION.
4. REFER TO THE "SPECIAL INSPECTIONS" SECTION OF THE SPECIFICATIONS FOR PROJECT REQUIREMENTS AND PERTINENT INFORMATION.
5. THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS, ELEVATIONS AND SITE CONDITIONS SHOWN ON THE DRAWINGS AND IMMEDIATELY NOTIFY THE OWNER'S REPRESENTATIVE OF ANY DISCREPANCIES PRIOR TO ORDERING OR FABRICATING MATERIALS OR OTHERWISE PROCEEDING WITH THE WORK.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES IN ORDER TO COMPLY WITH THE CONSTRUCTION DOCUMENTS. THE CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIAL, EQUIPMENT AND SERVICES REQUIRED TO EXECUTE AND COMPLETE ALL ITEMS OF WORK AS SHOWN OR INDICATED ON THE DRAWINGS AND AS SPECIFIED HEREIN, INCLUDING INCIDENTAL ITEMS TO EFFECT A FINISHED AND COMPLETE JOB, EVEN THOUGH SUCH ITEMS ARE NOT SHOWN OR PARTICULARLY MENTIONED.
7. THE ENGINEER IS NOT RESPONSIBLE FOR THE DESIGN OF STEEL STAIRS, PRECAST CONCRETE, HANDRAILS, CURTAIN WALL/WINDOW SYSTEMS, COLD-FORMED METAL FRAMING, OR OTHER SYSTEMS NOT SHOWN ON THE STRUCTURAL DRAWINGS. SUCH SYSTEMS SHALL BE DESIGNED, FURNISHED, AND INSTALLED AS REQUIRED BY OTHER PORTIONS OF THE CONTRACT DOCUMENTS.
8. THE GENERAL CONTRACTOR SHALL USE CONSTRUCTION METHODS THAT ARE IN STRICT ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
9. CONTRACTOR SHALL BE COMPLETELY RESPONSIBLE FOR ADEQUATELY SHORING EXISTING CONSTRUCTION WHILE PERFORMING NEW WORK.
10. DIMENSIONS ARE NOT TO BE DERIVED BY SCALING THESE DRAWINGS. IF THERE ARE ANY QUESTIONS REGARDING DIMENSIONS, CONTACT THE ARCHITECT/ENGINEER FOR INFORMATION PRIOR TO SUBMITTING SHOP DRAWINGS.
11. THE CONTRACTOR SHALL COORDINATE ALL STRUCTURAL WORK WITH THE ARCHITECTURAL AND MECHANICAL DRAWINGS, SPECIFICATIONS, AND WITH THE WORK OF ALL OTHER TRADES.
12. THE CONTRACTOR SHALL COORDINATE ALL SIZES AND LOCATIONS OF FLOOR, ROOF AND WALL PENETRATIONS WITH MECHANICAL, PLUMBING AND ARCHITECTURAL DRAWINGS. ALL PENETRATIONS NOT SHOWN ON STRUCTURAL DRAWINGS MUST BE APPROVED BY THE ENGINEER UNLESS NOTED OTHERWISE.
13. THE CONTRACTOR SHALL RESTORE TO ITS ORIGINAL CONDITION ALL SITE APPURTENANCES DAMAGED UNDER THIS CONTRACT AT NO ADDITIONAL COST TO THE OWNER.
14. INFORMATION IN THESE STRUCTURAL NOTES IS A SELECTED SUMMARY OF REQUIREMENTS. REFER TO SPECIFICATIONS FOR AMPLIFICATIONS OF REQUIREMENTS.
15. WHERE MEMBER LOCATIONS ARE NOT SPECIFICALLY DIMENSIONED, MEMBERS ARE EITHER LOCATED ON COLUMN LINES OR ARE EQUALLY SPACED BETWEEN LOCATED MEMBERS.
16. THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY. CONTRACTOR SHALL BE SOLEY RESPONSIBLE FOR CONSTRUCTION SAFETY.

## NON-COMPOSITE FLOOR AND ROOF DECK NOTES

1. ALL METAL DECK SHALL BE MANUFACTURED AND ERECTED IN ACCORDANCE WITH THE LATEST EDITION OF THE "DESIGN MANUAL FOR COMPOSITE DECKS, FORM DECKS AND ROOF DECKS" BY THE STEEL DECK INSTITUTE (SDI).
2. REFER TO PLANS FOR NON-COMPOSITE DECK TYPES AND LOCATIONS.
3. METAL DECK SHALL BE 1 1/2 INCH x 20 GAUGE, WIDE RIB TYPE B, CLASS I, FACTORY MUTUAL APPROVED., UNLESS NOTED OTHERWISE.
4. DECKING SHALL SPAN A MINIMUM OF THREE SPANS.
5. DECK SHALL BE WELDED TO SUPPORTING FRAME WORK. PROVIDE WELDING WASHERS WHERE NECESSARY. ANCHORING AT ROOF DECK SHALL RESIST AN UPLIFT OF 20 PSF.
6. DO NOT SUSPEND MECHANICAL, ELECTRICAL OR PLUMBING ITEMS FROM ROOF DECK. REFER TO THE MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS AND SPECIFICATIONS FOR HANGERS AND SUPPLEMENTAL FRAMING REQUIRED.
7. UNLESS NOTED OTHERWISE, ALL DECKING SHALL BE GALVANIZED.
8. SEE TYPICAL DETAILS AND PROJECT SPECIFICATIONS FOR ATTACHMENT REQUIREMENTS AND FOR WELD PATTERN.
9. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR REVIEW.

## FOX BLOCK MASONRY

1. REFERENCE MANUFACTURER FOR ALL RECOMMENDATIONS, SPECIFICATIONS, REINFORCEMENT AND ANY/ALL OTHER REQUIREMENTS.

## EXISTING CONSTRUCTION NOTES

1. BEFORE PROCEEDING WITH ANY WORK WITHIN THE EXISTING FACILITY, THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS OF THE EXISTING BUILDING AT THE JOB SITE AND REPORT ANY DISCREPANCIES FROM ASSUMED CONDITIONS SHOWN ON THE DRAWINGS TO THE ARCHITECT AND ENGINEER PRIOR TO THE FABRICATION AND ERECTION OF ANY MEMBERS.
2. THE CONTRACTOR SHALL FIELD VERIFY THE DIMENSIONS, ELEVATIONS, ETC. NECESSARY FOR THE PROPER CONSTRUCTION AND ALIGNMENT OF THE NEW WORK TO THE EXISTING WORK.
3. WORK SHOWN ON THE DRAWINGS IS NEW, UNLESS NOTED AS EXISTING.
4. EXISTING CONSTRUCTION SHOWN ON THE DRAWINGS WAS OBTAINED FROM DRAWINGS PREPARED BY THE FIRM OF EGGERS AND HIGGINS, ARCHITECTS, DATED OCTOBER 1954 AND LIMITED SITE OBSERVATION. THESE DRAWINGS OF EXISTING CONSTRUCTION ARE AVAILABLE FOR CONTRACTOR USE. HOWEVER, THE AVAILABLE DRAWINGS OF EXISTING CONSTRUCTION MAY NOT NECESSARILY BE COMPLETE. THE CONTRACTOR SHALL FIELD VERIFY ALL PERTINENT INFORMATION.
5. IF ANY ARCHITECTURAL, STRUCTURAL, OR MECHANICAL MEMBERS OR COMPONENTS NOT DESIGNATED FOR REMOVAL INTERFERE WITH THE NEW WORK, THE ARCHITECT SHALL BE NOTIFIED IMMEDIATELY AND APPROVAL MUST BE OBTAINED PRIOR TO REMOVAL OF THOSE MEMBERS.
6. THE CONTRACTOR SHALL SAFELY SHORE EXISTING CONSTRUCTION TO ALLOW THE INSTALLATION OF NEW WORK. ALL SHORING METHODS AND SEQUENCING OF DEMOLITION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND HIS ENGINEER.
7. THE CONTRACTOR SHALL SUBMIT A DETAILED PLAN FOR SHORING, BRACING AND PROTECTION OF THE EXISTING CONSTRUCTION. THE PLAN SHALL INCLUDE CONSTRUCTION SEQUENCE, BEAR THE SEAL OF A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF NEW YORK, AND BE SUBMITTED TO THE ENGINEER OF RECORD FOR REVIEW PRIOR TO THE BEGINNING OF WORK.
8. THE CONTRACTOR SHALL VERIFY THE LOCATION OF EXISTING UTILITIES PRIOR TO THE START OF CONSTRUCTION AND TAKE CARE TO PROTECT EXISTING UTILITIES THAT ARE TO REMAIN IN SERVICE.
9. THE CONTRACTOR SHALL REPAIR ALL DAMAGE CAUSED DURING CONSTRUCTION WITH SIMILAR MATERIALS AND WORKMANSHIP TO RESTORE CONDITIONS TO LEVELS ACCEPTABLE TO THE ARCHITECT.
10. THE CONTRACTOR SHALL ENSURE THAT ALL CONSTRUCTION METHODS USED WILL NOT CAUSE DAMAGE TO THE ADJACENT BUILDINGS AND PROPERTY. THIS SHALL INCLUDE ALL FOUNDATION INSTALLATION.

DRAFTED BY: XXX
CHECKED BY: XXX
DESIGNED BY: XXX
BUREAU DIRECTOR: J.L MORRIS
TA NUMBER/DWG/S DWG NUMBER

| ALTERED ON: | AFFIXED ON: 07/30/2025 |
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| TITLE OF PROJECT: ADDITIONS TO MAINTENANCE SECTION | CONTRACT NUMBER: TAS 25-9A |
| LOCATION OF PROJECT: MANCHESTER MP 340.15 | DATE: 07/30/2025 |
| TITLE OF DRAWING: STRUCTURAL NOTES | DRAWING NUMBER: S800 |

## EXCAVATION & BACKFILL NOTES

1. THE SITE SHALL BE PREPARED IN ACCORDANCE WITH SPECIFICATIONS AND THE CIVIL DRAWINGS. THE STRUCTURAL DESIGN IS BASED ON RECOMMENDATIONS CONTAINED IN THE GEOTECHNICAL REPORT PREPARED BY EMPIRE GEO SERVICES, DATED SEPTEMBER 2019. A QUALIFIED GEOTECHNICAL ENGINEER SHALL VERIFY ALL ASSUMPTIONS AND REPORT TO THE ARCHITECT/ENGINEER ANY VARIATIONS.
2. EXCAVATIONS TO BE SHEETED AND BRACED, OR LAID BACK TO PREVENT SLOUGHING IN OF THE EXCAVATED AREAS PER OSHA REGULATIONS.
3. ALL EXCAVATIONS AND GRADES PREPARED FOR BEARING SHALL BE INSPECTED BY A QUALIFIED GEOTECHNICAL ENGINEER TO VERIFY THE DESIGN ASSUMPTIONS AND REPORT NONCONFORMING CONDITIONS.
4. THE CONTRACTOR SHALL DETERMINE THE EXTENT OF CONSTRUCTION DEWATERING REQUIRED FOR THE EXCAVATION. THE CONTRACTOR SHALL SUBMIT TO THE GEOTECHNICAL ENGINEER FOR REVIEW THE PROPOSED PLAN FOR DEWATERING, PRIOR TO EXCAVATION.
5. PLACE ALL FOOTINGS ON FIRM, DRY, LEVEL, ACCEPTABLE BEARING SOIL.
6. FROST DEPTH FOR THIS PROJECT IS 4'-0" BELOW GRADE. FINISH GRADE SHALL BE MAINTAINED A MINIMUM OF 4'-0" ABOVE TOP OF FOUNDATIONS UNLESS NOTED OTHERWISE.
7. TOP OF FOOTING ELEVATIONS PROVIDED ON CONSTRUCTION DRAWINGS ARE FOR PURPOSES OF DESIGN. NOTIFY THE ENGINEER IF TOP OF FOOTING ELEVATIONS NEED TO BE ADJUSTED BASED ON CONTRACTOR'S FIELD COORDINATION OR GEOTECHNICAL ENGINEER'S RECOMMENDATIONS.
8. REMOVE AND DISPOSE OF LEGALLY FROM SITE; UNACCEPTABLE BEARING SOIL, EXCESS EXCAVATED MATERIAL, ASPHALT MATERIAL (SEE SITE PLANS).
9. WHERE FILL IS REQUIRED UNDER BEARING CONDITIONS, IT SHALL BE SELECTED AND PLACED IN ACCORDANCE WITH INSTRUCTIONS OF A QUALIFIED GEOTECHNICAL ENGINEER TO MAINTAIN DESIGN BEARING PRESSURE.
10. THE DESIGN OF WALLS RETAINING EARTH DOES NOT INCLUDE HYDROSTATIC PRESSURE LOADS UNLESS NOTED OTHERWISE, AND ASSUMES A DRAINAGE SYSTEM IS IN PLACE WHERE REQUIRED.
11. BACKFILL WITHIN BUILDING - TO WITHIN 6 INCHES OF UNDERSIDE OF FLOOR SLAB SHALL BE "SUBBASE COURSE" (NYSDOT 304.12 - TYPE 2) CONSISTING OF HARD DURABLE PEBBLES, ROCK FRAGMENTS AND SOIL BINDER. IT SHALL BE FREE OF CLAY, ORGANIC MATTER, AND OTHER DELETERIOUS MATERIAL. GRADATION: 2 INCHES MAXIMUM SIZE, 25-60% PASSING THE 1/4" SIEVE, 5-40% PASSING NO. 40 SIEVE, AND NOT MORE THAN 10% PASSING NO. 200 SIEVE.
12. UNDER SLABS ON GRADE - POROUS 6 INCH LIFT OF WASHED "CRUSHED STONES" CONSISTING OF: 50/50 MIX OF #1's AND #2's., ASTM #57 STONE.
13. BACKFILL OUTSIDE OF BUILDING - "SELECT GRANULAR FILL" (NYSDOT 203.07) CONSISTING OF SAND, FINE GRAVEL, COARSE SILT, OR SIMILAR NON-COHESIVE HARD DURABLE MATERIALS AND SOIL BINDERS WITHOUT EXCESSIVE CLAY, ORGANIC MATTER, OR FROZEN OR DELETERIOUS MATERIAL. GRADATION: 4 INCHES MAXIMUM SIZE, 0-70% PASSING THE #40 SIEVE AND 0-15% PASSING THE #200 SIEVE.
14. FILL COMPACTION: WITHIN BUILDING - 95% DRY DENSITY MODIFIED PROCTOR OUTSIDE OF BUILDING - 95% DRY DENSITY MODIFIED PROCTOR.
15. FILL PLACEMENT - BACKFILL SHALL NOT BE PLACED AGAINST WALLS UNTIL THE WALLS HAVE ACHIEVED SPECIFIED DESIGN STRENGTH. PLACE FILL SIMULTANEOUSLY ON EACH SIDE OF FOUNDATION WALL IN 6 INCH LIFTS. THE MAXIMUM DIFFERENCE IN ELEVATION ON EITHER SIDE OF WALL SHALL NOT EXCEED 1'-6".
16. STRUCTURAL STEEL FRAMING PROVIDES LATERAL RESTRAINT OF BASEMENT FOUNDATION WALLS. STEEL FRAMING AND DECKING SHALL BE IN PLACE PRIOR TO BACKFILLING. WHERE THIS CANNOT BE ACCOMMODATED THE WALL SHALL BE SHORED CONTINUALLY AND THE ENGINEER NOTIFIED.

## CAST-IN-PLACE CONCRETE NOTES

1. ALL CONCRETE WORK, CONSTRUCTION AND REINFORCING DETAILS SHALL CONFORM TO THE 2020 BUILDING CODE OF NEW YORK STATE AND "THE SPECIFICATIONS OF THE AMERICAN CONCRETE INSTITUTE BUILDING CODE REQUIREMENTS" (ACI-318).
2. ALL CONCRETE SHALL ATTAIN A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS AND CONFORM TO THE REQUIREMENTS OF THE SCHEDULE BELOW, UNLESS NOTED OTHERWISE. SEE SPECIFICATIONS FOR MIX DESIGN REQUIREMENTS.

| LOCATION | W/C RATIO | SLUMP (±1") | % AIR (±1%) | MAXIMUM AGGREGATE | MIN. STRENGTH @ 28 DAYS |
|---|---|---|---|---|---|
| BURIED FOUNDATIONS | .50 | 3.5" | N/A | 1 1/2" | 3,500 PSI |
| EXPOSED RETAINING & FOUNDATION WALLS | .45 | 3.5" | 5.5 | 1 1/2" | 5,000 PSI |
| SLAB ON GRADE (INT.) | .45 | 3.5" | 4 | 3/4" | 3,000 PSI |
| SLAB ON GRADE (EXT.) | .45 | 3.5" | 5.5 | 3/4" | 5,000 PSI |

3. CONTRACTOR SHALL SUBMIT MIX DESIGNS PROPORTIONED BY A LICENSED TESTING LABORATORY.
4. PROVIDE MINIMUM OF FOUR (4) CYLINDERS PER EACH FIFTY (50) YARDS OR FRACTION THEREOF POURED IN ONE DAY. BREAK ONE AT 7 DAYS AND TWO AT 28 DAYS.
5. WHERE NEW CONCRETE IS TO BE POURED ONTO EXISTING CONCRETE, BONDING IS REQUIRED AS NOTED IN ACI 301.
6. CONDUITS AND PIPES OF ALUMINUM SHALL NOT BE EMBEDDED IN CONCRETE.

**REINFORCING STEEL:**

1. ALL REINFORCING STEEL SHALL BE DETAILED, FABRICATED AND PLACED IN ACCORDANCE WITH "ACI MANUAL OF STANDARD PRACTICE FOR DETAILING CONCRETE STRUCTURES" (ACI-315).
2. REINFORCING STEEL SHALL CONFORM TO ASTM A-615 GRADE 60. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A-185.
3. LAP SPLICES AND EMBEDMENT LENGTHS SHALL CONFORM TO ACI 318 -CHAPTER 12.
4. PROVIDE CORNER BARS TO MATCH HORIZONTAL REINFORCING WHERE FOOTINGS, WALLS OR BEAMS MEET AT CORNERS OR INTERSECT. THIS ALSO INCLUDES INTERSECTIONS OF CONCRETE WITH MASONRY WORK.
5. PROVIDE SHOP DRAWINGS FOR REINFORCING INCLUDING ALL NECESSARY ACCESSORIES TO HOLD REINFORCING SECURELY IN PLACE.
6. CLEAR COVER CONCRETE PROTECTION FOR REINFORCING STEEL SHALL BE:
   - 6.1. 3" - CONCRETE CAST AGAINST EARTH.
   - 6.2. 2" - FORMED SURFACES IN CONTACT WITH SOIL OR EXPOSED TO WEATHER.
   - 6.3. 1" - FORMED SURFACES NOT IN CONTACT WITH SOIL OR EXPOSED TO WEATHER. 3/4" - SUPPORTED FLOOR SLABS.

**FOUNDATIONS:**

7. ALL FOUNDATIONS ARE TO BEAR ON APPROVED BEARING MATERIAL. (SEE GEOTECHNICAL EVALUATION BY EMPIRE GEOTECHNICAL ENGINEERING SERVICES, DATED SEPTEMBER 2019).
8. ALL FOUNDATION EXCAVATIONS ARE SUBJECT TO APPROVAL BY THE OWNER'S REPRESENTATIVE BEFORE ANY CONCRETE IS PLACED.
9. ALL FORMS AND REINFORCING STEEL IN PLACE SHALL BE APPROVED BY THE OWNER'S REPRESENTATIVE BEFORE ANY CONCRETE IS PLACED.
10. NO FOUNDATION SHALL BE PLACED IN WATER OR ON FROZEN GROUND.
11. IN GENERAL, EXTERIOR CONSTRUCTION SHALL BE CARRIED DOWN A MINIMUM OF 4'-0" BELOW FINISHED EXTERIOR GRADE.
12. CENTERLINE OF FOOTINGS, WALLS, GRADE BEAMS, COLUMNS, AND BEAMS SHALL COINCIDE, UNLESS OTHERWISE NOTED.
13. REFER TO ARCHITECTURAL DRAWINGS FOR FOUNDATION DRAINAGE.
14. ALL EXTERIOR CONCRETE USED ABOVE GRADE SHALL HAVE AN AIR ENTRAINING AGENT.
15. RUB ALL SIGHT EXPOSED CONCRETE AFTER FORMS HAVE BEEN REMOVED.
16. ALL EXPOSED CONCRETE PIER CORNERS SHALL BE CHAMFERED 3/4".
17. ALL GROUT FOR BASE PLATES SHALL BE NON-SHRINK WITH A MINIMUM COMPRESSIVE STRENGTH OF 5000 PSI AT 28 DAYS.
18. ANCHOR BOLTS - ASTM F1554, FY=36 KSI, 1" DIAMETER UNLESS OTHER WISE NOTED.
19. ISOLATION JOINT - ASPHALT IMPREGNATED FILLER STRIP CONFORMING TO ASTM D-944.
20. ALL STEEL COLUMNS BELOW GRADE SHALL BE TWICE COATED WITH A BITUMINOUS COATING.
21. CONTRACTOR SHALL VERIFY ALL DIMENSIONS ON THE JOB BEFORE COMMENCING WORK. REFER TO ARCHITECTURAL DRAWINGS FOR ANY DIMENSIONS AND DETAILS NOT SHOWN. REFER TO ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS FOR LOCATION AND DIMENSIONS OF ANY OPENING, SLEEVES, INSERTS, SLAB DEPRESSIONS, ETC.
22. EPOXY ANCHORS SHALL BE HIT HY-200 INJECTION ADHESIVE ANCHORS AS MANUFACTURED BY HILTI, INC., TULSA OK (800-879-8000).

**SLABS ON GRADE:**

1. ALL SLABS ON GRADE SHALL BE PLACED OVER A STEGO 15 MIL VAPOR BARRIER. TAPE ALL SEAMS AND PROVIDE FLASHING/BOOTS AROUND PIPE PENETRATIONS.
2. UNDER SLABS ON GRADE: POROUS 6 INCH LIFT OF CRUSHED STONE MATERIAL CONSISTING OF 50/50 MIX OF #1'S AND #2'S., ASTM #57 STONE.
3. SLAB ON GRADE REINFORCEMENT SHALL BE 6X6-W2.1X2.1WWF, UNLESS NOTED OTHERWISE.
4. WET CURE FOR 7 DAYS BEFORE APPLYING ANY WHEELED TRAFFIC OR MASONRY PARTITIONS.
5. CONTRACTION JOINTS: JOINTS SHALL BE SPACED NO FARTHER THAN 15'-0" O.C. JOINTS SHALL TYPICALLY RUN BETWEEN COLUMNS AND TERMINATE AT A COLUMN ISOLATION POUR. THE LENGTH OF ANY INDIVIDUAL JOINTED AREA SHALL NOT EXCEED 1.5 TIMES ITS WIDTH.
6. CONSTRUCTION/COLD JOINTS: TERMINATE DAY'S CONCRETE WORK AT A CONTROL JOINT LOCATION. PROVIDE A KEYWAY OR DOWELS FOR CONTINUATION OF WORK WITH NEXT POUR. CONTINUE 50% OF SLAB REINFORCEMENT THROUGH CONSTRUCTION AND CONTRACTION JOINTS.
7. CONCRETE SURFACE SHALL BE HARD STEEL TROWEL FINISH.
8. FOR FLOOR FINISH, FLOOR DRAINS, SLAB DEPRESSIONS, AND WATERPROOFING DETAILS SEE ARCHITECTURAL DRAWINGS.
9. PROVIDE ONE #4 BAR, 4 FEET LONG, DIAGONAL AT CORNERS AND OPENINGS IN SLABS-ON-GRADE.

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DESIGNED BY: XXX
BUREAU DIRECTOR: J.L. MORRIS
TA NUMBER/DWGS/DWG NUMBER

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| TITLE OF PROJECT: ADDITIONS TO MAINTENANCE SECTION | CONTRACT NUMBER: TAS 25-9A |
| LOCATION OF PROJECT: MANCHESTER MP 340.15 | DATE: 07/30/2025 |
| TITLE OF DRAWING: STRUCTURAL NOTES | DRAWING NUMBER: S801 |

## DESIGN CRITERIA NOTES

**1. GENERAL BUILDING CODE**
THESE CONSTRUCTION DOCUMENTS ARE BASED ON THE REQUIREMENTS OF THE 2020 BUILDING CODE OF NEW YORK STATE.

**2. RISK CATEGORY OF BUILDING AND OTHER STRUCTURES**
THE BUILDING HAS BEEN ASSIGNED A RISK CATEGORY IN ACCORDANCE WITH PREVIOUSLY MENTIONED BUILDING CODE WITH THE FOLLOWING CRITERIA:
A. RISK CATEGORY: II, ALL BUILDINGS AND OTHER STRUCTURES EXCEPT THOSE LISTED IN RISK CATEGORIES I, III, IV.

**3. DEAD AND LIVE LOADS**
A. THE DEAD LOADS ARE THE SELF WEIGHT OF MATERIALS OF CONSTRUCTION INCORPORATED INTO AND ON THE BUILDING.
B. THE UNIFORMLY DISTRIBUTED AND/OR CONCENTRATED LIVE LOADS USED IN THE DESIGN OF THE BUILDING ARE BASED ON THE FOLLOWING INTENDED USE OR OCCUPANCIES:
a. OFFICE: 50 PSF
b. ROOFS: 20 PSF / 300 LB ON MAINTENANCE SURFACE

**4. ROOF SNOW LOAD DATA**
SNOW LOADS ARE BASED ON CHAPTER 7 OF THE AMERICAN SOCIETY OF CIVIL ENGINEERS, MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES, ASCE 7 AND THE FOLLOWING CRITERIA:

| | | |
|---|---|---|
| A. | GROUND SNOW LOAD (Pg): | 60 PSF |
| B. | FLAT-ROOF SNOW LOAD (Pf): | 42 PSF |
| C. | SNOW EXPOSURE FACTOR (Ce): | 1.0 |
| D. | SNOW LOAD IMPORTANCE FACTOR (Is): | 1.0 |
| E. | THERMAL FACTOR (Ct): | 1.0 |
| F. | SLOPE FACTOR (Cs): | |
| G. | SNOW DRIFT SURCHARGE LOADS (Pd): | N/A |
| H. | WIDTH OF SNOW DRIFTS (W): | N/A |

**5. WIND DESIGN DATA**
WIND PRESSURES ARE BASED ON CHAPTER 26 OF THE AMERICAN SOCIETY OF CIVIL ENGINEERS, MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES, ASCE 7 AND THE FOLLOWING CRITERIA:

| | | |
|---|---|---|
| A. | ULTIMATE DESIGN WIND SPEED (Vult): | 110 MPH (3 SECOND GUST) |
| B. | NOMINAL DESIGN WIND SPEED (Vasd): | 85 MPH |
| C. | RISK CATEGORY: | II |
| D. | WIND EXPOSURE CATEGORY: | B |
| E. | INTERNAL PRESSURE COEFFICIENT (GCPI): | +0.18/-0.18 |
| F. | COMPONENTS AND CLADDING: | SEE DIAGRAM |

**6. SEISMIC DESIGN DATA**
THE STRUCTURE AND COMPONENTS OF THE BUILDING HAVE BEEN DESIGNED IN ACCORDANCE WITH THE PREVIOUSLY MENTIONED BUILDING CODE WITH THE FOLLOWING CRITERIA:

| | | |
|---|---|---|
| A. | RISK CATEGORY: | II |
| B. | SEISMIC IMPORTANCE FACTOR, Ie: | 1.0 |
| C. | 0.2 SEC. MAPPED SPECTRAL ACCELERATION (Ss): | 0.163G |
| D. | 1 SEC. MAPPED SPECTRAL ACCELERATION (S1): | 0.055G |
| E. | SITE CLASS: | C |
| F. | 0.2 SEC SPECTRAL RESPONSE COEFF. (SDS): | 0.142G |
| G. | 1 SEC SPECTRAL RESPONSE COEFF. (SD1): | 0.055G |
| H. | SEISMIC DESIGN CATEGORY: | A |
| I. | BASIC SEISMIC-FORCE RESISTING SYSTEM: ORDINARY REINFORCED CONCRETE SHEAR WALLS | |
| J. | DESIGN SEISMIC BASE SHEAR (KIPS): | 5 |
| K. | ANALYTICAL PROCEDURE: EQUIVALENT LATERAL FORCE PROCEDURE (ELFP) | |

**7. SEISMIC DEMANDS ON NONSTRUCTURAL COMPONENTS**
SEISMIC DEMAND ON NONSTRUCTURAL COMPONENTS AND CONNECTIONS OF THOSE COMPONENTS TO THE PRIMARY STRUCTURE SHALL BE DESIGNED IN ACCORDANCE WITH THE PREVIOUSLY MENTIONED BUILDING CODE, THE GENERAL SEISMIC CRITERIA LISTED ABOVE, AND THE REQUIREMENTS OF ASCE-7, CHAPTER 13 AS APPROPRIATE.

**8. ROOF RAIN LOAD DATA**
TIE DESIGN RAINFALL BASED ON THE 100 YEAR HOURLY RAINFALL RATE OR DETERMINED BY LOCAL WEATHER USED IN THE DESIGN OF THE BUILDING IS BASED ON THE FOLLOWING:
A. RAIN INTENSITY: 2.25 INCH

**9. GEOTECHNICAL INFORMATION**
THE STRUCTURE HAS BEEN DESIGNED BASED ON INFORMATION PROVIDED IN THE GEOTECHNICAL ENGINEERING REPORT BY EMPIRE GEO TECHNICAL ENGINEERING SERVICES (DATED: SEPTEMBER 2019) AND THE FOLLOWING CRITERIA:
A. ALLOWABLE BEARING: 2,000 PSF

**10. FLOOD DESIGN CRITERIA**
THE BUILDING IS NOT LOCATED IN WHOLE OR IN PART WITHIN A FLOOD HAZARD AREA AS ESTABLISHED PER THE PREVIOUSLY MENTIONED BUILDING CODE.

**11. HANDRAILS AND GUARDS**
THE HANDRAIL ASSEMBLIES AND GUARDS SHALL BE DESIGNED FOR 50 PLF OR A CONCENTRATED LOAD OF 200 POUNDS AT ANY POINT APPLIED IN ANY DIRECTION AT THE TOP AND TO TRANSFER THIS LOAD THROUGH THE SUPPORTS TO THE STRUCTURE. THESE LOADS NEED NOT BE ASSUMED TO ACT CONCURRENTLY.

**12. INTERIOR WALLS AND PARTITIONS**
INTERIOR WALLS AND PARTITIONS THAT EXCEED 6 FEET IN HEIGHT SHALL HAVE ADEQUATE STRENGTH TO RESIST LOADS THEY ARE SUBJECT TO, BUT NOT LESS THAN A HORIZONTAL UNIFORM LOAD OF 5 PSF.

**13. FUTURE EXPANSION**
NO PROVISIONS HAVE BEEN MADE IN THE STRUCTURAL DESIGN FOR FUTURE HORIZONTAL OR VERTICAL BUILDING EXPANSIONS.

**14. RESTRAINED CONSTRUCTION CLASSIFICATION**
IN ACCORDANCE WITH ASTM E 119, ALL FLOOR CONSTRUCTION IS CLASSIFIED AS RESTRAINED CONSTRUCTION.

**15. ROOF TOP EQUIPMENT ANCHORAGE**
ALL ROOF TOP EQUIPMENT CURBS, MECHANICAL EQUIPMENT, TIE DOWNS, AND CONNECTIONS OF ALL EQUIPMENT TO BUILDING STRUCTURE FOR WIND AND SEISMIC LOADING ARE TO BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER RETAINED BY THE EQUIPMENT SUPPLIER.

## OPEN WEB STEEL JOIST NOTES

1. ALL STEEL OPEN WEB JOISTS SHALL BE DESIGNED, FABRICATED, AND ERECTED IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS" OF THE STEEL JOIST INSTITUTE (SJI).
2. DESIGN AND INSTALLATION OF BRIDGING SHALL CONFORM TO THE "STANDARD SPECIFICATIONS" OF THE STEEL JOIST INSTITUTE.
3. ALL JOISTS SHALL BE CONNECTED TO SUPPORTING STEEL BY (2) 1/4" FILLET WELDS x 3" LONG, OR TWO 3/4" ANCHOR BOLTS.
4. WHERE HVAC DUCTWORK INTERSECTS DIAGONAL BRIDGING LINES, PROVIDE HORIZONTAL BRIDGING AT TOP AND BOTTOM CHORDS AS FOLLOWS:
   A. INSTALL DIAGONAL BRIDGING AS TYPICAL DURING INSTALLATION.
   B. REMOVE DIAGONALS AFTER INSTALLATION AND INSTALL HORIZONTAL BRIDGING.
   C. HORIZONTAL REPLACEMENT BRIDGING SHALL BE DESIGNED AND SUPPLIED BY JOIST MANUFACTURER.
   D. REFER TO MECHANICAL DRAWINGS FOR LOCATION AND EXTENT OF OPENINGS.
   E. AT NO TIME SHALL THIS BE DONE IN TWO CONSECUTIVE BAYS WITHOUT ENGINEER APPROVAL.
5. PROVIDE MINIMUM CAMBER TO JOISTS IN ACCORDANCE WITH THE STEEL JOIST INSTITUTE.
6. PROVIDE BOTTOM CHORD EXTENSIONS TO BOTTOM OF EXTERIOR BEAMS.
7. CONTRACTOR SHALL PROVIDE ANY AND ALL EXTRA STEEL TO FRAME AROUND ANY MECHANICAL ROOF PENETRATIONS. PROVIDE A MINIMUM OF TWO EXTRA JOISTS, SAME SIZES AS SHOWN ON DRAWINGS, FOR EACH AC UNIT LOCATION. SUBMIT PROPOSAL TO ENGINEER FOR REVIEW.
8. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR REVIEW.
9. JOISTS SHALL BE DESIGNED TO SUPPORT A SINGLE CONCENTRATED LOAD OF 300 LBS APPLIED AT ANY BOTTOM CHORD PANEL POINT.

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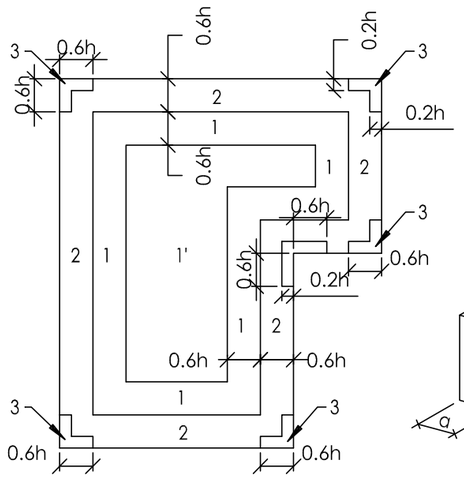
| TITLE OF DRAWING: STRUCTURAL NOTES | DRAWING NUMBER: S802 |

## COMPONENTS AND CLADDING DESIGN PRESSURES

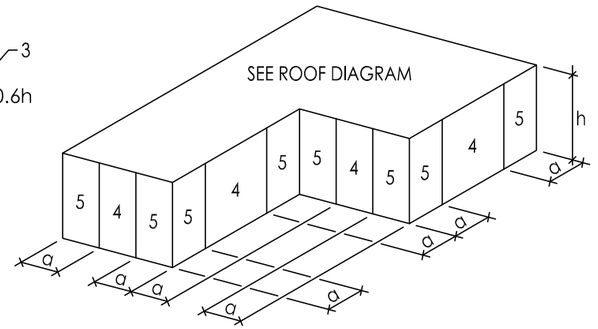
| ZONE | EFFECTIVE WIND AREA | | | |
|---|---|---|---|---|
| | 10 SQ. FT. | 20 SQ. FT. | 50 SQ. FT. | 100 SQ. FT. |
| 1 | 16.0 / -28.45 PSF | 16.0 / -26.6 PSF | 16.0 / -24.1 PSF | 16.0 / -22.2 PSF |
| 1' | 16.0 / -16.318 PSF | 16.0 / -16.3 PSF | 16.0 / -16.3 PSF | 16.0 / -16.3 PSF |
| 2 | 16.0 / -37.474 PSF | 16.0 / -35.1 PSF | 16.0 / -31.9 PSF | 16.0 / -29.5 PSF |
| 3 | 16.0 / 51.086 PSF | 16.0 / -46.4 PSF | 16.0 / -39.9 PSF | 16.0 / -35.1 PSF |
| 4 | 17.876/ -19.352 PSF | 17.0 / -18.5 PSF | 16.0 / -17.5 PSF | 16.0 / -16.7 PSF |
| 5 | 17.876/ -23.862 PSF | 17.0 / -22.5 PSF | 16.0 / -20.2 PSF | 16.0 / -18.5 PSF |
| OVERHANG 1 & 1' | -25.748 PSF | -25.3 PSF | -24.7 PSF | -24.2 PSF |
| OVERHANG 2 | -34.8 PSF | -31.6 PSF | -27.3 PSF | -24.1 PSF |
| OVERHANG 3 | -48.4 PSF | -42.8 PSF | -35.4 PSF | -29.7 PSF |

SCHEDULE NOTES:

1. ALL DESIGN WIND PRESSURE VALUES ARE TAKEN FROM ASCE 7, CHAPTER 30.
2. ALL WIND PRESSURES ARE TO BE CONSIDERED AS ULTIMATE VALUES.
3. PRESSURES SHOWN ARE APPLIED NORMAL TO THE SURFACE. PLUS AND MINUS SIGNS SIGNIFY PRESSURES ACTING TOWARD AND AWAY FROM THE SURFACE, RESPECTIVELY.
4. DISTANCE 'a' SHALL BE 3'-0" FOR ALL INSTANCES SHOWN IN DIAGRAMS.
5. HEIGHT 'h' SHALL BE 12'-0" FOR ALL INSTANCES SHOWN IN DIAGRAMS.
6. FOR JOISTS ONLY: ROOF DEAD LOAD "D" = 15 PSF.
7. SEE 'DESIGN CRITERIA NOTES' ON DRAWING S802 FOR OTHER PERTINENT INFORMATION.




**FLAT,HIP, OR GABLE ROOF (SLOPE <7°)**




**EXTERIOR WALLS**

## COMPONENT AND CLADDING PRESSURE ZONE DIAGRAMS

(FOR USE WITH SCHEDULE ABOVE)

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| LOCATION OF PROJECT: MANCHESTER MP 340.15 | DATE: 07/30/2025 |
| TITLE OF DRAWING: COMPONENTS AND CLADDING | DRAWING NUMBER: S803 |

TA NUMBER/DWGS/DWG NUMBER
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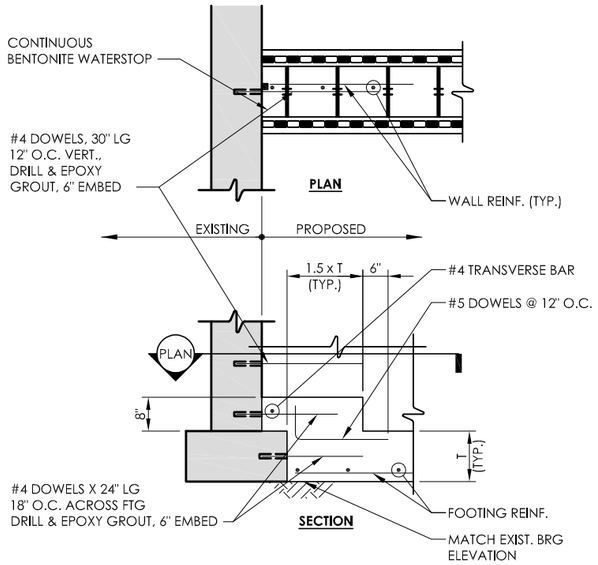
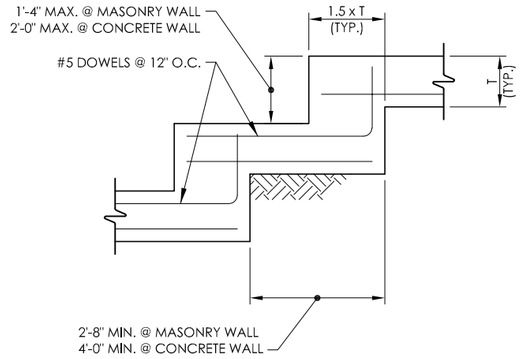
DESIGNED BY: XXX
BUREAU DIRECTOR: J.L. MORRIS



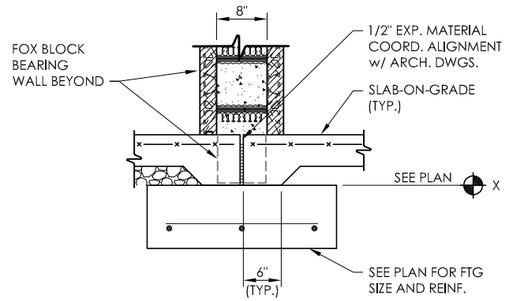

DETAIL NOTES:
1. SEE PLANS FOR EXISTING AND PROPOSED WALL THICKNESS AND REINFORCING.
2. DETAIL SHALL BE USED UNLESS NOTED OTHERWISE ON DRAWINGS.

## 1 S804 NEW/EXISTING FOUNDATION WALL CONNECTION DETAIL
SCALE: 1/2" = 1'-0"

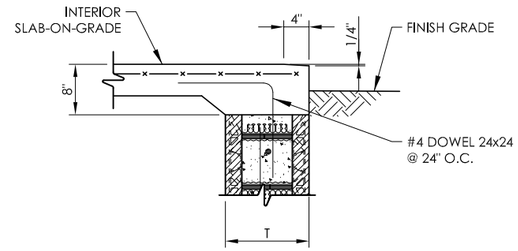



DETAIL NOTES:
1. TRANSVERSE BARS NOT SHOWN FOR CLARITY.

## 2 S804 STEPPED WALL FOOTING DETAIL
SCALE: 1/2" = 1'-0"

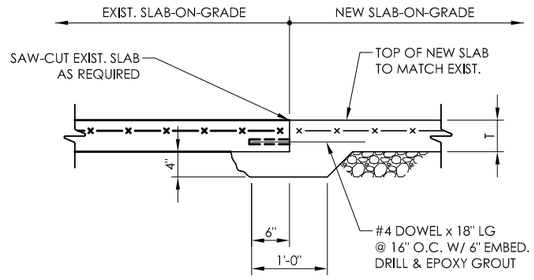



## 3 S804 INTERIOR THRESHOLD AT MASONRY OPENING DETAIL
SCALE: 1/2" = 1'-0"

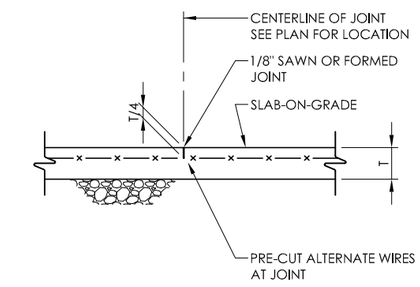



DETAIL NOTES:
1. COORDINATE LOCATION OF FRONT SLOPE WITH ARCHITECTURAL DRAWINGS.
2. REFER TO PLANS AND SECTIONS FOR FURTHER INFORMATION.

## 4 S804 EXTERIOR THRESHOLD DETAIL
SCALE: 1/2" = 1'-0"

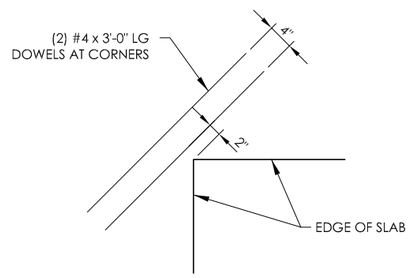



## 5 S804 NEW TO EXISTING SLAB-ON-GRADE CONNECTION DETAIL
SCALE: 1/2" = 1'-0"



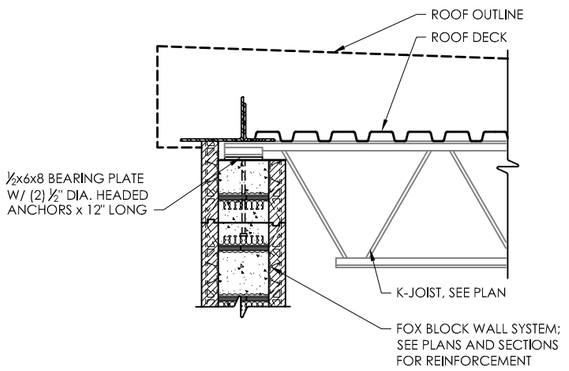

DETAIL NOTES:
1. REFER TO SPECIFICATIONS FOR PROPER JOINT CONSTRUCTION AND TIMING OF PLACEMENT.

## 6 S804 SLAB-ON-GRADE CONTROL JOINT DETAIL
SCALE: 1/2" = 1'-0"




DETAIL NOTES:
1. THIS DETAIL SHALL ALSO OCCUR AT DOOR OPENINGS.
2. DOWELS SHALL BE LOCATED IN THE TOP OF THE SLAB, WHILE MAINTAINING PROPER COVER.

## 7 S804 SLAB-ON-GRADE REINFORCING AT RE-ENTRANT CORNERS DETAIL
SCALE: 1/2" = 1'-0"




DETAIL NOTES:
1. COORDINATE JOIST CONNECTION METHOD WITH MANUFACTURER'S REQUIREMENTS.

## 8 S804 K-JOIST BEARING ON WALL DETAIL
SCALE: 1/2" = 1'-0"

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| LOCATION OF PROJECT: MANCHESTER MP 340.15 | DATE: 07/30/2025 |
| TITLE OF DRAWING: TYPICAL DETAILS | DRAWING NUMBER: S804 |

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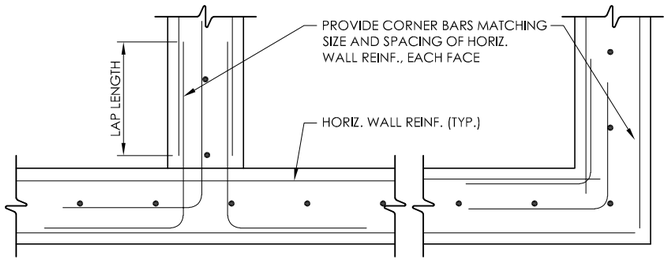
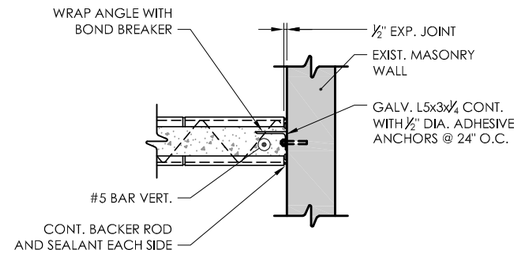
DESIGNED BY: XXX
BUREAU DIRECTOR: J.L. MORRIS
TA NUMBER/DWGS/DWG NUMBER




INTERSECTION CORNER

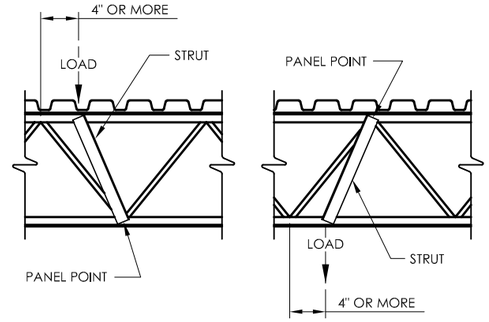
DETAIL NOTES:
1. VERTICAL WALL REINFORCING NOT SHOW FOR CLARITY.
2. SEE 'CONCRETE REINFORCING SPLICE AND EMBEDMENT' SCHEDULE FOR REQUIRED LAP LENGTHS.
3. COORDINATE W/ FOX BLOCK MANUF. FOR ANY ADDITIONAL REQUIREMENTS.

## 1 S805 CONCRETE WALL INTERSECTION AND CORNER DETAIL
SCALE: 1/2" = 1'-0"



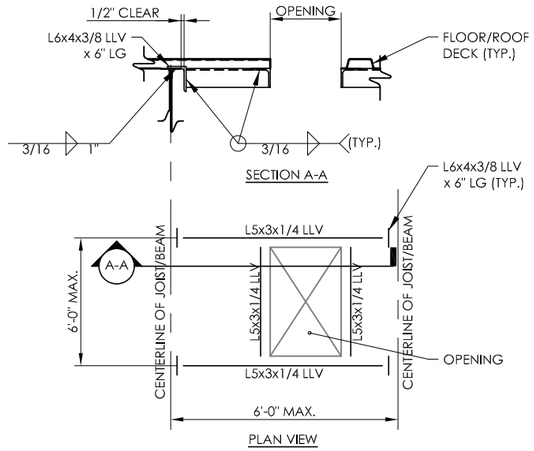

DETAIL NOTES:
1. REFER TO PLANS AND DETAILS FOR REINFORCING AND PROJECT SPECIFICATIONS AND MANUFACTURER REQUIREMENTS FOR FURTHER FOX BLOCKWALL INFORMATION.

## 2 S805 NEW / EXISTING MASONRY WALL CONNECTION DETAIL
SCALE: 1/2" = 1'-0"



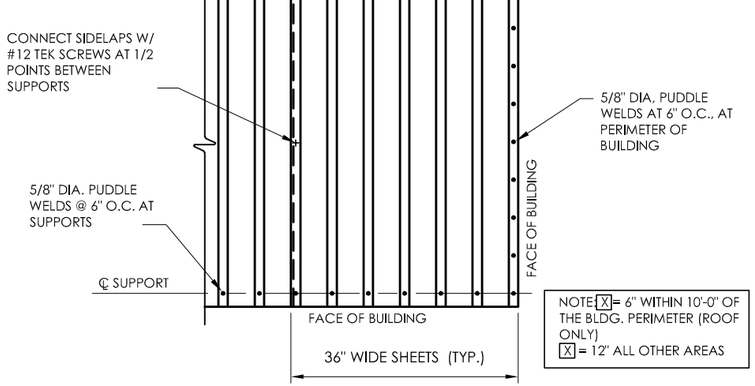

DETAIL NOTES:
1. WHEN A CONCENTRATED LOAD EQUAL TO OR GREATER THAN 200 LBS. OCCURS 4" OR MORE FROM A PANEL POINT, A FIELD WELDED STRUT COMPOSED OF (2) L2x2x3/16 SHALL BE ADDED FROM THE POINT OF THE CONCENTRATED LOAD TO THE PANEL POINT ON THE OPPOSITE CHORD.

## 3 S805 TYP. CONCENTRATED LOAD ON JOIST DETAIL
SCALE: 1/2" = 1'-0"




DETAIL NOTES:
1. THE ABOVE STEEL SIZES SHALL BE USED UNLESS NOTED OTHERWISE ON THE PLANS.
2. CONTRACTOR TO COORDINATE EQUIPMENT AND OPENING SUPPORTS WITH MECHANICAL CONTRACTOR AND FINAL APPROVED EQUIPMENT SUBMITTAL.

## 4 S805 ROOF OR FLOOR OPENING SUPPORT DETAIL
SCALE: N.T.S.




## 5 S805 TYP. DECK ATTACHMENT DETAIL
SCALE: N.T.S.

DRAFTED BY: XXX
CHECKED BY: XXX
DESIGNED BY: XXX
BUREAU DIRECTOR: J.L. MORRIS
TA NUMBER/DWGS/DWG NUMBER

| ALTERED ON: | AFFIXED ON: 07/30/2025 |
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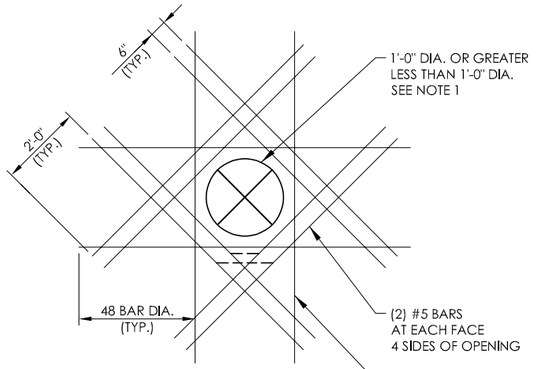
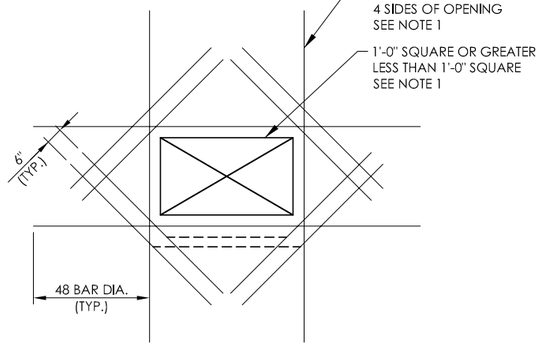
| TITLE OF PROJECT: ADDITIONS TO MAINTENANCE SECTION | CONTRACT NUMBER: TAS 25-9A |
| LOCATION OF PROJECT: MANCHESTER MP 340.15 | DATE: 07/30/2025 |
| TITLE OF DRAWING: TYPICAL DETAILS | DRAWING NUMBER: S805 |



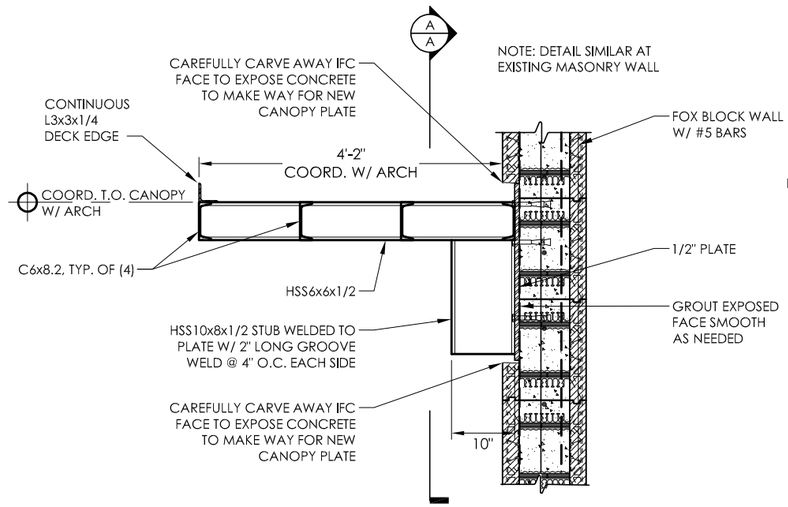

CIRCULAR OPENING



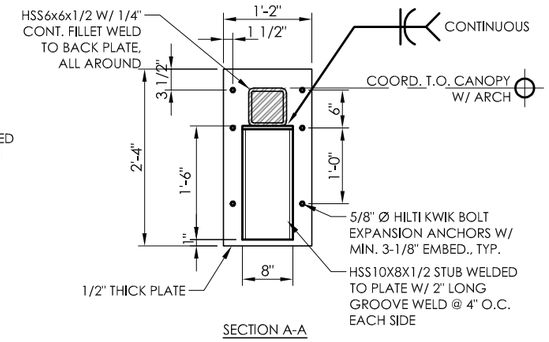

SQUARE OPENING

DETAIL NOTES:
1. FOR OPENINGS WITH SIDES OR DIAMETERS LESS THAN 1'-0" THE WALL REINFORCING SHALL BE ADJUSTED TO CLEAR THE OPENING.
2. REFER TO "FOUNDATION WALL PIPE PENETRATION DETAIL" FOR FURTHER INFORMATION.

1 S806 ADDITIONAL REINFORCING AT FOUNDATION WALL PENETRATION DETAIL
SCALE: N.T.S.

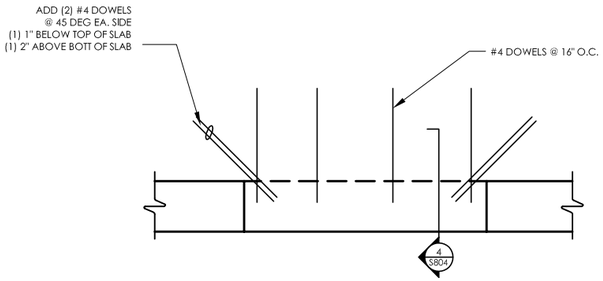



NOTE: CONNECTION DETAIL HAPPENS EACH SIDE OF CANOPY. NOT ALL INTERMEDIATE FRAMING SHOWN FOR CLARITY




SECTION A-A

2 S806 TYPICAL CANOPY DETAIL AND SECTION
SCALE: 1/2" = 1'-0"
NOTE: DETAIL SIMILAR AT EXISTING MASONRY WALL




3 S806 SLAB AT DOOR OPENING - JOINT AT SLAB EDGE
SCALE: 1/2" = 1'-0"

## MASONRY REINFORCING LAP/EMBEDMENT SCHEDULE

| BAR SIZE, SI (METRIC) | 4" CMU | 6" CMU | 8" CMU | | 12" CMU | |
|---|---|---|---|---|---|---|
| | 1 BAR/CELL | 1 BAR/CELL | 1 BAR/CELL | 2 BAR/CELL | 1 BAR/CELL | 2 BAR/CELL |
| #3 (#10) | 19" | 16" | 16" | 17" | 16" | 17" |
| #4 (#13) | 34" | 25" | 21" | 29" | 21" | 29" |
| #5 (#16) | NP | 40" | 27" | 45" | 26" | 45" |
| #6 (#19) | NP | NP | 51" | 54" | 40" | 54" |
| #7 (#22) | NP | NP | 63" | 63" | 46" | 63" |
| #8 (#25) | NP | NP | 72" | NP | 63" | 72" |
| #9 (#29) | NP | NP | NP | NP | 81" | 81" |
| #10 (#32) | NP | NP | NP | NP | NP | NP |
| #11(#36) | NP | NP | NP | NP | NP | NP |

**SCHEDULE NOTES:**
1. VALUES ARE BASED ON GRADE 60, UNCOATED REINFORCING, AND STANDARD BLOCK (f'm = 1500 PSI)
2. WHEN LAP SPLICING BARS OF DIFFERENT SIZES, LAP LENGTH IS DETERMINED BY THE SMALLER BAR.
3. VALUES ARE TO BE USED UNLESS NOTED OTHERWISE ON THE CONSTRUCTION DOCUMENTS.
4. FOR ALL OTHER CRITERIA, REFER TO PROJECT SPECIFICATIONS.
5. NP DENOTES "NOT PERMITTED"

4 S806 FOX BLOCKS REINFORCEMENT SCHEDULE
SCALE: NTS

DRAFTED BY: XXX
CHECKED BY: XXX
DESIGNED BY: XXX
BUREAU DIRECTOR: J.L. MORRIS
TA NUMBER/DWSS/DWG NUMBER

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| TITLE OF PROJECT: ADDITIONS TO MAINTENANCE SECTION | CONTRACT NUMBER: TAS 25-9A |
| LOCATION OF PROJECT: MANCHESTER MP 340.15 | DATE: 07/30/2025 |
| TITLE OF DRAWING: TYPICAL DETAILS | DRAWING NUMBER: S806 |

## GENERAL CONSTRUCTION NOTES:

1. ALL DRAWINGS ARE GRAPHIC REPRESENTATION OF APPROXIMATE LOCATIONS OF EXISTING AND NEW MATERIALS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY ALL DIMENSIONS, QUANTITIES AND CONDITIONS IN FIELD. ANY DISCREPANCY BETWEEN THE CONSTRUCTION DOCUMENTS AND THE ACTUAL CONDITIONS SHALL BE REPORTED TO THE OWNERS REPRESENTATIVE AND ARCHITECT PRIOR TO BID.
2. CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH CONDITIONS PRIOR TO COMMENCING WORK. ALL DIMENSIONS AND CONDITIONS ARE TO BE VERIFIED ON FIELD. CONTRACTOR SHALL NOTIFY THE OWNERS REPRESENTATIVE OF ANY DISCREPANCIES FROM THE CONTRACT DOCUMENTS. IN CASE OF DISCREPANCIES BETWEEN THE CONTRACT DOCUMENTS AND ACTUAL FIELD CONDITIONS, THEY SHALL BE REPORTED TO OWNERS REPRESENTATIVE IN WRITING. WORK DONE AFTER THE DISCOVERY OF DISCREPANCIES AND PRIOR TO RECEIPT OF WRITING APPROVAL FOR CORRECTION SHALL BE CONSIDERED THE CONTRACTOR'S OVERSIGHT IN VERIFICATION OF EXISTING CONDITIONS.
3. THE CONTRACTOR IS RESPONSIBLE FOR DAMAGE TO ANY EXISTING FINISHES AND EQUIPMENT TO REMAIN. DAMAGE THAT OCCURRED AS A RESULT OF CONSTRUCTION ACTIVITIES SHALL BE REPAIRED TO THE OWNER/ARCHITECT'S SATISFACTION AT NO COST TO THE OWNER.
4. COORDINATE WITH OWNERS REPRESENTATIVE FOR ACCESS TO THE WORK AREA. THE WORK AREA SHALL BE FENCED AND KEPT SEPARATE FROM ADJACENT BUILDINGS ON OWNER'S SITE.
5. THE CONTRACTOR SHALL PERFORM HIS WORK SO THAT A MINIMUM OF DISRUPTION IS CAUSED TO THOSE PORTIONS OF THE STRUCTURE WHERE THERE IS NO NEW WORK TO BE DONE UNDER THIS CONTRACT. THE PROJECT WILL BE SUBJECT TO THE OPERATING HOURS APPROVED BY THE OWNER.
6. BUILDING EXITS SHALL BE KEPT READILY ACCESSIBLE AND UNOBSTRUCTED AT ALL TIMES.
7. ALL CONSTRUCTION DEBRIS AND REFUSE SHALL BE REMOVED FROM THE AREA OF WORK AT THE END OF EACH WORK DAY AND LEGALLY DISPOSED OF OFF THE PROPERTY. NO BURNING OF DEBRIS OR REFUSE ON SITE IS PERMITTED.
8. DO NOT LEAVE STRUCTURE OR PORTION THEREOF OPEN TO WEATHER NOR INADEQUATELY PROTECTED WHEN WORK IS NOT ACTUALLY IN PROGRESS.
9. DO NOT LOAD OR PERMIT ANY PART OF EXISTING BUILDING TO BE LOADED WITH ANY MATERIAL OR EQUIPMENT THAT MAY ENDANGER ITS STRUCTURAL INTEGRITY. MAINTAIN ACCESS TO OTHER BUILDINGS ON THE SITE AND ALL WALKWAYS SHALL BE KEPT CLEAR AND CLEAN AT ALL TIMES. PROVIDE TEMPORARY FENCE DURING CONSTRUCTION.
10. ANY CONSTRUCTION-RELATED SPILLS MUST BE REPORTED IMMEDIATELY TO TPE.
11. NO GAS-POWERED CONSTRUCTION EQUIPMENT SHALL BE USED INSIDE THE BUILDING PERIMETER.

## TEMPORARY FACILITIES NOTES:

1. CONTRACTOR SHALL PROVIDE AN OFFICE TRAILER FOR THE NYSTA SITE EMPLOYEES FOR THE DURATION OF CONSTRUCTION. OFFICE TRAILER SHALL BE 60' X 12' AND INCLUDE BATHROOM FACILITY, ELECTRICITY, HEAT AND AIR CONDITIONING, PHONE,FAX, AND INTERNET CONNECTIONS. ACCESS STEPS/STAIRS TO THE TRAILER SHALL BE COMPLIANT WITH THE BUILDING CODE OF NYS. THE OFFICE TRAILER SHALL HAVE (5) WORK STATIONS. ONE STATION SHALL BE IN A PRIVATE ROOM WITH A DOOR. CONTRACTOR WILL BE RESPONSIBLE FOR ALL UTILITY HOOKUPS TO THE TRAILER, INCLUDING SEWER, AND FOR MAINTENANCE OF THEM.
2. CONTRACTOR SHALL PROVIDE BATHROOM AND LOCKER ROOM TRAILER FOR THE NYSTA CREW FOR THE DURATION OF CONSTRUCTION. CONTRACTOR WILL BE RESPONSIBLE FOR ALL UTILITY HOOKUPS TO THE TRAILER, INCLUDING SEWER, AND FOR MAINTENANCE OF THEM.
3. BOTH OFFICE AND BATHROOM TRAILERS MUST BE FULLY OPERATIONAL BEFORE WORK ON THE EXISTING BUILDING BEGINS.
4. MAINTAIN BATHROOM FACILITIES FOR JOB SITE EMPLOYEES.
5. MAINTAIN TRASH RECEPTACLES FOR JOB SITE EMPLOYEES.
6. MAINTAIN AND PROVIDE CONSTANT FLOW OF ALL UTILITIES TO OTHER BUILDINGS IN THE COMPLEX, INCLUDING THE MECHANICS' SHOP AND IMPRESS BUILDING.
7. ESTABLISH PROTECTIVE ZONES, BARRIERS, AND FENCES BETWEEN THE AREAS OF CONSTRUCTION/ CONSTRUCTION HAZARDS AND OTHER NON-AFFECTED AREAS ESSENTIAL FOR MAINTENANCE AND FUNCTIONING OF THE COMPLEX, I.E. THE SHOP AND AREAS OF THE YARD USED FOR STORAGE OR ASSEMBLY.
8. KEEP OPEN ACCESS (FRONT GATE) TO THE SITE AND PROVIDE EMPLOYEE SAFE ACCESS AREA TO ENTER THE COMPLEX.
9. KEEP CONSTRUCTION EQUIPMENT AND MATERIALS WITHIN WORK ZONE OR OFF-SITE UNLESS AGREED OTHERWISE WITH THE SECTION SUPERVISOR.
10. PROVIDE WEEKLY UPDATES ON CONSTRUCTION SCHEDULE TO THE SECTION SUPERVISOR, AND FINISH EXTERIOR WORK BY LABOR DAY WEEKEND, PRIOR TO THE SECTION STARTING SNOW AND ICE READINESS. THE PROJECT COMPLETION DATE IS 01/09/2026.

## WINDOW REPLACEMENT NOTES:

1. THESE NOTES APPLY TO REPLACING WINDOWS IN EXISTING OFFICE AND IN EXISTING GARAGE.
2. OFFICE WINDOWS: CAREFULLY REMOVE AND SALVAGE EXISTING INTERIOR WOOD TRIM AS NECESSARY FOR WINDOWS REPLACEMENT. REINSTALL AFTER NEW WINDOWS ARE IN PLACE. PATCH AND REPAIR ALL ITEMS DAMAGED BY DEMOLITION OR NEW INSTALLATION ACTIVITIES.
3. PROVIDE ALL BLOCKING, SHIM, REPLACEMENT COVERS AND TRIM S REQUIRED FOR NEAT INSTALLATION OF NEW WINDOWS IN EXISTING OPENINGS. WHERE EXISTING COVERS OR TRIM ARE TO BE REMOVED PROVIDE NEW ALUMINUM COVERS AND TRIM TO MATCH NEW WINDOWS.
4. CAULK FULL WINDOW OPENINGS PERIMETER INSIDE AND OUTSIDE.
5. CLEAN AND PAINT EXISTING STEEL LINTELS WHETHER LINTELS ARE TO BE EXPOSED OR NOT.
6. AT EXISTING BRICK WALLS TO BE COVERED WITH METAL PANELS PROVIDE NEW METAL PANEL TRIM AROUND WINDOW OPENINGS. PROVIDE SILL TRIM WITH DRIP EDGE PROJECTING BEYOND THE EXTERIOR FACE OF METAL WALL PANELS.
7. AT EXISTING BRICK WALLS TO BE LEFT EXPOSED PROVIDE NEW ALUMINUM SILL FLASHING WITH DRIP EDGE TO PROJECT OVER EXISTING BRICK SILL.
8. CLEAN, REPAIR AND PAINT EXISTING CEMENT/ MASONRY/ STONE INTERIOR SILLS.

| ALTERED ON: | AFFIXED ON: 07/30/2025 |
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| TITLE OF PROJECT: ADDITIONS TO MAINTENANCE SECTION | CONTRACT NUMBER: TAS 25-9A |
| LOCATION OF PROJECT: MANCHESTER MP 340.15 | DATE: 07/30/2025 |
| TITLE OF DRAWING: ARCHITECTURAL GENERAL NOTES | DRAWING NUMBER: GN-2 |

DRAFTED BY: XXX
CHECKED BY: XXX
DESIGNED BY: XXX
BUREAU DIRECTOR: J.L MORRIS
TA NUMBER/DWGS/DWG NUMBER

## GENERAL ASBESTOS ABATEMENT NOTES:

1. ALL DRAWINGS ARE GRAPHIC REPRESENTATIONS OF APPROXIMATE LOCATIONS OF MATERIALS TO BE ABATED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY EXISTING CONDITIONS AND TO REVIEW THE ASBESTOS INSPECTION SURVEYS (SPEC. SECTION 003126) PRIOR TO SUBMITTING A BID. IF THERE ARE ANY DISCREPANCIES WITH WHAT EXISTS TO WHAT IS INDICATED ON THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL REPORT SUCH SAID DISCREPANCIES TO THE ARCHITECT PRIOR TO SUBMITTING A BID. IT IS THE INTENT OF THIS PROJECT TO COMPLETELY REMOVE ASBESTOS CONTAINING MATERIALS (LOCATIONS AS INDICATED ON THE PLANS) AND TO PROVIDE A CLEAN & A.C.M. FREE WORK AREA POST-ABATEMENT.

2. THE CONTRACT DRAWING AND SPECIFICATIONS HAVE BEEN PREPARED FOR THE PURPOSE OF REPRESENTING THE SCOPE OF WORK AND ARE MEANT AS A GUIDE ONLY, AND DO NOT LIMIT THE ABATEMENT CONTRACTOR'S RESPONSIBILITY TO SEEK AND REMOVE ALL HAZARDOUS MATERIALS SPECIFIED.

3. DEMOLITION A100-SERIES DRAWINGS ARE DIAGRAMMATIC ONLY. THE ABATEMENT CONTRACTOR SHALL VERIFY ALL JOB SITE CONDITIONS, DIMENSIONS AND QUANTITIES.

4. ALL ABATEMENT PROCEDURES TO BE IN ACCORDANCE WITH STANDARDS SET FORTH BY N.Y.S.D.O.L. INDUSTRIAL CODE RULE 56 AND ALL OTHER APPLICABLE REGULATIONS. ANY HAZARDOUS MATERIALS MUST BE STORED ACCORDING TO THOSE RULES AND REGULATIONS.

5. THE CONTRACTOR IS RESPONSIBLE FOR DAMAGE TO ANY EXISTING FINISHES AND EQUIPMENT THAT ARE TO REMAIN. ANY DAMAGE SHALL BE REPAIRED AS DIRECTED BY OWNER AT NO ADDITIONAL COST.

6. THE CONTRACTOR IS RESPONSIBLE FOR NOTIFYING THE OWNER'S REPRESENTATIVE & ARCHITECT IMMEDIATELY IF ANY UNANTICIPATED ASBESTOS CONTAINING MATERIAL IS ENCOUNTERED DURING ABATEMENT.

7. THE CONTRACTOR SHALL NOT DISTURB ANY A.C.M. DURING PRE-ABATEMENT DEMOLITION ACTIVITIES.

8. THE CONTRACTOR SHALL COORDINATE LOCATION OF ASBESTOS DUMPSTER WITH OWNER'S REPRESENTATIVE. DUMPSTER SHALL BE AN ENCLOSED TYPE AND LOCKABLE.

9. THE ABATEMENT CONTRACTOR IS REQUIRED TO PROVIDE A DETAILED ASBESTOS REMOVAL AND DISPOSAL WORK PLAN IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS PRIOR TO MOBILIZATION.

10. THE ABATEMENT CONTRACTOR HAS THE OPTION TO APPLY FOR AND UTILIZE NYSDOL SITE SPECIFIC VARIANCES FOR ALTERNATIVE ABATEMENT METHODS THAT ARE INCLUDED IN THE APPROVED DETAILED ASBESTOS REMOVAL AND DISPOSAL WORK PLAN.

11. PRIOR TO REGULATED ABATEMENT WORK AREA PREPARATION, THE ABATEMENT CONTRACTOR SHALL COORDINATE WITH THE GENERAL/ROOFING CONTRACTOR, THE NEW YORK STATE THRUWAY AUTHORITY (NYSTA) REPRESENTATIVE AND FACILITY PERSONNEL, REGARDING ANY SECURITY AND EGRESS ISSUES THAT MAY APPLY TO THE OVERALL PROTECTION AND SAFETY OF THE BUILDING AND OCCUPANTS.

12. THIS PROJECT WILL BE SUBJECT TO THE OPERATING HOURS OF THE FACILITY OR OTHER OPERATING HOURS AS OTHERWISE APPROVED BY NYSTA.

13. THE NYSTA AND NYSTA REPRESENTATIVES HAVE THE AUTHORITY TO STOP THE WORK AT ANY TIME IF WORK IS NOT CONDUCTED IN ACCORDANCE WITH THE SPECIFICATIONS AND APPLICABLE REGULATIONS. THE STOPPAGE OF WORK SHALL CONTINUE UNTIL CONDITIONS HAVE BEEN CORRECTED TO THE SATISFACTION OF NYSTA AND NYSTA'S REPRESENTATIVES. STANDBY TIME TO RESOLVE PROBLEMS SHALL BE AT THE ABATEMENT CONTRACTOR'S EXPENSE.

## ABATEMENT TEMPORARY PROTECTION NOTES:

1. THE ABATEMENT CONTRACTOR IS INSTRUCTED TO UTILIZE THE LEAST DESTRUCTIVE MEANS AND METHODS POSSIBLE TO REMOVE ASBESTOS CONTAINING AND/OR ASBESTOS CONTAMINATED MATERIALS AND RESIDUE SO AS TO LEAVE THE SUBSTRATE WHOLE, STRUCTURALLY SOUND, AND NOT REQUIRING EXCESSIVE PATCHING OR REPLACEMENT PRIOR TO TEMPORARY ROOFING AND/OR NEW ROOF INSTALLATION. EXCESSIVE DAMAGE WILL BE THE RESPONSIBILITY OF THE ABATEMENT CONTRACTOR TO REPAIR, PATCH OR REPLACE ALL INADVERTENT DAMAGE.

2. TEMPORARY PROTECTION OF THE EXPOSED ROOF DECKING AND/OR FLASHING (POST REMOVAL ) IS THE RESPONSIBILITY OF THE GENERAL/ ROOFING CONTRACTOR. THE ABATEMENT CONTRACTOR IS THEREFORE INSTRUCTED TO COORDINATE ALL ROOF FLASHING ABATEMENT ACTIVITIES WITH GENERAL/ROOFING CONTRACTOR IN ORDER TO MINIMIZE POTENTIAL EXPOSURE/WATER INFILTRATION.

## DEMOLITION GENERAL NOTES:

1. VERIFY SCOPE OF DEMOLITION WORK IN FIELD .

2. PROTECT ADJACENT SURFACES NOT SCHEDULED FOR DEMOLITION AND REPAIR SURFACES DAMAGED AS A RESULT OF DEMOLITION WORK.

3. ALL CONSTRUCTION DEBRIS AND REFUSE SHALL BE REMOVED FROM THE AREA OF WORK AT THE END OF EACH WORK DAY AND LEGALLY DISPOSED OF OFF THE PROPERTY. NO BURNING OF DEBRIS OR REFUSE ON SITE IS PERMITTED.

4. PROTECT EXISTING EXTERIOR WALL MOUNTED LINES, METERS, AND DEVICES THAT ARE TO REMAIN. COORDINATE WITH OWNER FOR TEMPORARY REMOVAL OF EXISTING WALL MOUNTED LINES AND DEVICES.LINES AND DEVICES TO REMAIN SHALL BE TEMPORARILY SUPPORTED UNTIL THE INSTALLATION OF NEW CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL OF EXISTING ABANDONED MATERIALS, EQUIPMENT, ETC. IN THE AREA OF WORK. ALL MATERIAL REMOVED SHALL BE LEGALLY DISPOSED OF.

5. EQUIPMENT AND FURNISHINGS TO BE SALVAGED WILL BE REMOVED BY OWNER PRIOR TO CONSTRUCTION.

6. REFER TO MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR INFORMATION ON DEMOLITION OF MECHANICAL, ELECTRICAL AND PLUMBING ITEMS.

7. REFER TO CIVIL DEMOLITION PLAN FOR INFORMATION ON DEMOLITION OF SURROUNDING SITE.

## ROOF DEMOLITION GENERAL NOTES:

1. CONTRACTOR IS RESPONSIBLE FOR FULL REMOVALS AS PER DRAWINGS AND SPECIFICATIONS
2. CONTRACTOR IS TO DISCONNECT, STORE AND REINSTALL ANY EXISTING BRACKETS, PLATES, CONDUIT, CABLES, EQUIPMENT, LIGHTNING PROTECTION, GROUNDING, LIGHTS, SIGNAGE, ETC. AS REQUIRED TO ACCOMPLISH NEW ROOFING WORK.
3. ALL DIMENSIONS AND QUANTITIES ARE APPROXIMATE. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND QUANTITIES IN FIELD. IN CASE OF DISCREPANCIES, CONTRACTOR SHALL NOTIFY OWNER'S REPRESENTATIVE IN WRITING IMMEDIATELY, PRIOR TO COMMENCEMENT OF WORK.
4. CONTRACTOR SHALL PROVIDE EXTERIOR STAIR / SCAFFOLDING SYSTEM FOR WORK CREW TO ACCESS ROOFTOP.
5. CONTRACTOR IS REQUIRED TO INSTALL A DEBRIS CHUTE FOR REMOVAL ACTIVITIES AND A HOIST SYSTEM TO TRANSPORT MATERIALS FROM THE GROUND FLOOR TO THE ROOF.
6. CONTRACTOR IS TO REPAIR ALL DEFICIENCIES AT EXISTING ROOF DECK AS EXISTING CONDITIONS REQUIRE, AND AS RECOMMENDED BY ROOFING SYSTEM MANUFACTURER IN ORDER TO RECEIVE THE NEW ROOFING SYSTEM . ROOF DECK SHALL BE ACCEPTED BY ROOFING MANUFACTURER IN WRITING.
7. TEST EXISTING DRAIN PIPING TO THE HOUSE TRAP BEFORE THE START OF DEMOLITION WORK & PROVIDE REPORT. TEST AGAIN AT THE CONCLUSION OF CONSTRUCTION AND REMOVE ANY OBSTRUCTIONS IDENTIFIED DURING EITHER TEST.
8. PROTECT EXISTING DRAINS DURING DEMOLITION & CONSTRUCTION WORK.
9. PROTECT ANY EXISTING LIGHT FIXTURES, CONDUITS, JUNCTION BOXES AND WIRING DURING DEMOLITION AND CONSTRUCTION.
10. PROVIDE TEMPORARY SUPPORT TO ANY EXISTING DUCTS AS FIELD CONDITIONS REQUIRE.
11. RELOCATE ANY EXISTING CONDUITS, JUNCTION BOXES AND WIRING TO ACCEPT NEW INSULATION HEIGHT.
12. PATCH ALL HOLES FROM REMOVAL WORK WITH MATERIAL AND FINISH TO MATCH MATERIAL AND FINISH AT ADJACENT TO PATCHING WORK AREA.

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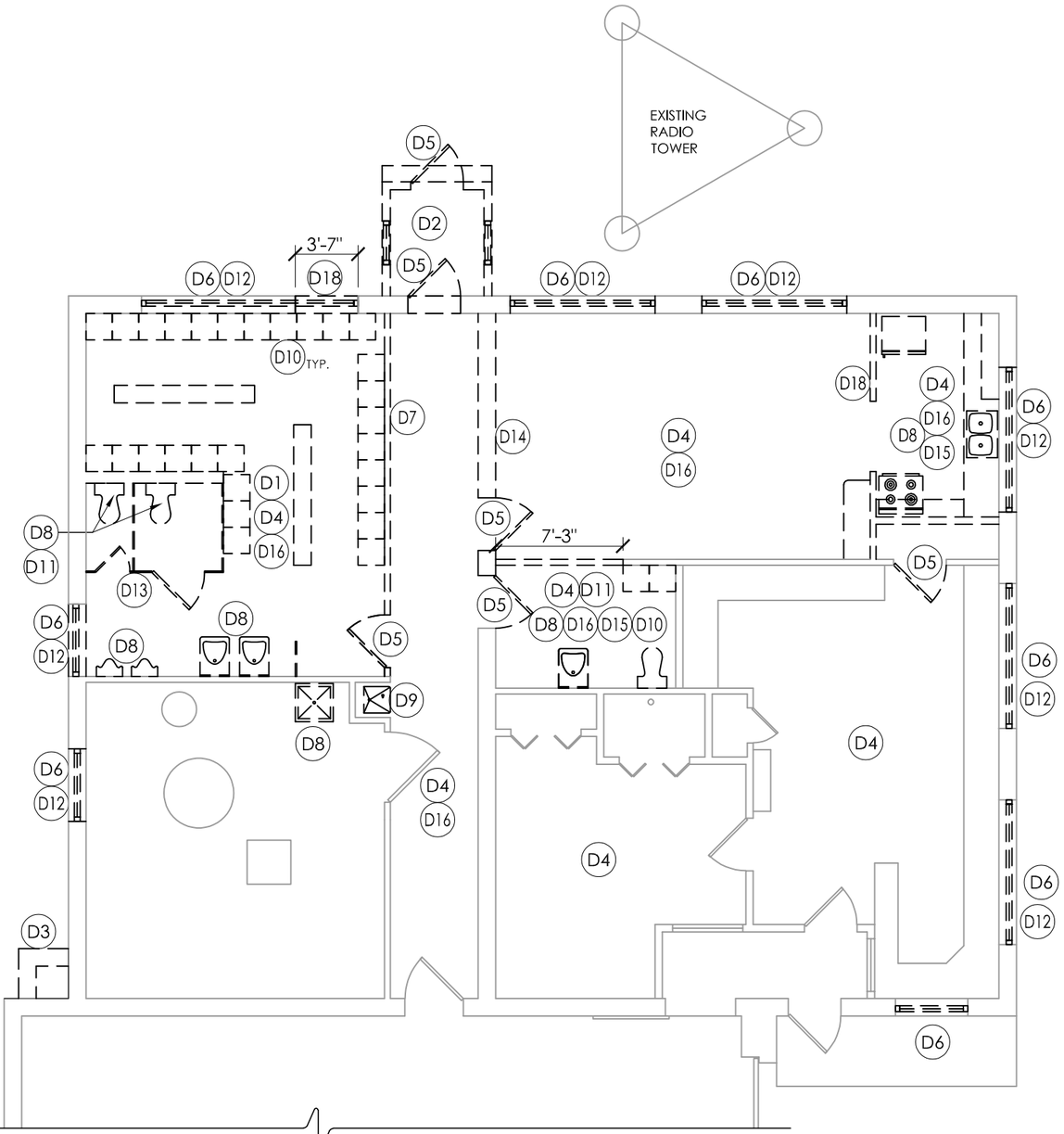
| TITLE OF PROJECT: ADDITIONS TO MAINTENANCE SECTION | CONTRACT NUMBER: TAS 25-9A |
| LOCATION OF PROJECT: MANCHESTER MP 340.15 | DATE: 07/30/2025 |
| TITLE OF DRAWING: DEMOLITION AND ABATEMENT NOTES | DRAWING NUMBER: GN-3 |

TA NUMBER/DWGS/DWG NUMBER
DRAFTED BY: XXX
CHECKED BY: XXX
DESIGNED BY: XXX
BUREAU DIRECTOR: J.L. MORRIS

# DEMOLITION KEY NOTES

- (D1) REMOVE PORTION OF CONCRETE FLOOR SLAB AS REQUIRED FOR INSTALLATION OF NEW UNDER-SLAB PLUMBING.
- (D2) REMOVE ENTRY VESTIBULE ENCLOSURE INCLUDING SLAB
- (D3) REMOVE BRICK CHIMNEY IN ITS ENTIRETY INCLUDING FOUNDATION. CLEAN AND PATCH EXPOSED EXISTING BRICK WHERE IT IS NOT SCHEDULED TO BE COVERED BY METAL PANELS.
- (D4) REMOVE EXISTING CEILING
- (D5) REMOVE DOOR, FRAME AND HARDWARE.
- (D6) REMOVE EXTERIOR WINDOW.
- (D7) REMOVE MASONRY PARTITION FULL HEIGHT.
- (D8) REMOVE PLUMBING FIXTURES AND ASSOCIATED PIPING, REFER TO PLUMBING DEMOLITION.
- (D9) REMOVE DRINKING FOUNTAIN
- (D10) REMOVE LOCKERS AND LOCKER BASE.
- (D11) REMOVE TOILET ROOM ACCESSORIES.
- (D12) REMOVE PORTION OF BRICK SILL TO BE FLUSH WITH WALL BELOW.
- (D13) REMOVE TOILET PARTITIONS
- (D14) REMOVE PORTION OF LOAD BEARING MASONRY WALL. PROVIDE TEMPORARY SUPPORT FOR ROOF CONSTRUCTION.
- (D15) REMOVE MILLWORK.
- (D16) REMOVE EXISTING FLOORING DOWN TO CONCRETE SLAB BELOW.
- (D17) REMOVE EXISTING OH DOOR OPERATOR AND ASSOCIATED ITEMS.
- (D18) REMOVE SILL AND WALL BELOW EXTERIOR WINDOW TO SLAB.




REF N

1 / A101

## DEMOLITION PLAN

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

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| TITLE OF PROJECT: ADDITIONS TO MAINTENANCE SECTION | CONTRACT NUMBER: TAS 25-9A |
| LOCATION OF PROJECT: MANCHESTER MP 340.15 | DATE: 07/30/2025 |
| TITLE OF DRAWING: DEMOLITION FLOOR PLAN | DRAWING NUMBER: A101 |

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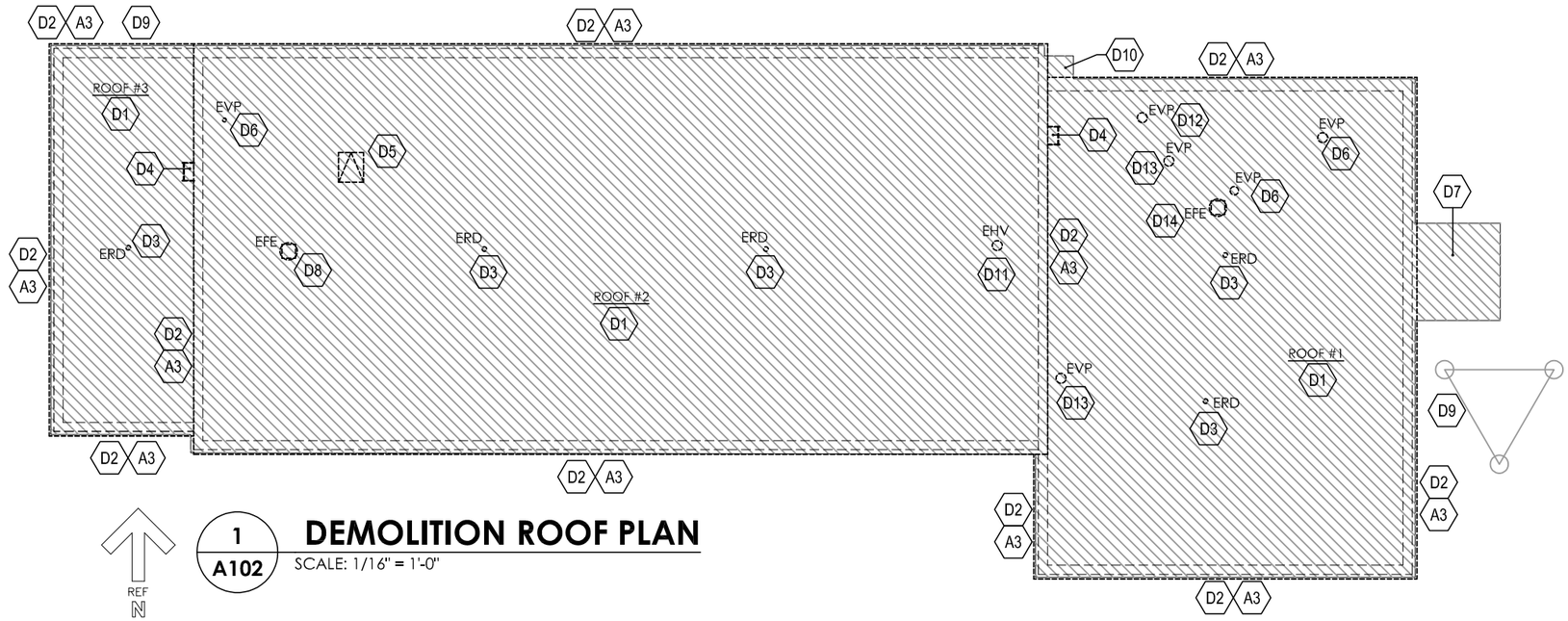


1
A102

# DEMOLITION ROOF PLAN

SCALE: 1/16" = 1'-0"

D1 ROOFING SYSTEM REMOVAL
REMOVE EXISTING ROOFING SYSTEM, BASE AND CAP FLASHING TO CONCRETE SUBSTRATE. PROVIDE TEMPORARY ROOF PROTECTION AS REQUIRED.

D2 FASCIA REMOVAL
REMOVE ENTIRE METAL FASCIA ASSEMBLY AND RELATED ACCESSORIES. REFER TO DETAIL 2/A801.

D3 REMOVAL AT ROOF DRAIN
REMOVE EXISTING STRAINER & CLAMPING RING AT ROOF DRAIN.

D4 LADDER REMOVAL
REMOVE EXISTING ROOF LADDER AND ANCHORAGE. REFER TO DETAILS 1,3/A804.

D5 ROOF HATCH REMOVAL
REMOVE EXISTING HATCH IN ITS ENTIRETY, INCLUDING ROOF CURB. REFER DETAIL 2/A802.

D6 VENT PIPE FLASHING.
REMOVE EXISTING FLASHING AT VENT THROUGH ROOF.

D7 EXISTING ENTRY VESTIBULE
REMOVE EXISTING METAL ROOF AND STRUCTURE.

D8 MECHANICAL CURB FLASHING
REMOVE EXISTING FLASHING AT MECHANICAL CURB.

D9 ADJACENT ITEMS TO REMAIN :
PROTECT EXISTING INSTALLATIONS ( ANTENNAS, VENT, CONDUIT AND WALL MOUNTED LIGHT ) PROJECTING ABOVE THE ROOF DURING DEMOLITION AND NEW WORK. PROTECT RADIO TOWER STRUCTURE ADJACENT TO BUILDING.

D10 CHIMNEY CAP :
REMOVE EXISTING METAL CAP - CHIMNEY TO BE REMOVED IN ITS ENTIRETY.

D11 HOT VENT STACK FLASHING :
REMOVE EXISTING FLASHING AT STACK THROUGH ROOF. EXISTING STACK IS TO REMAIN - PROVIDE TEMPORARY SUPPORT DURING ROOFING WORK.

D12 LIFT STATION VENT:
EXISTING LIFT STATION PIT VENT TO REMAIN. REMOVE FLASHING.

D13 VENT TO DEMOLISH:
REMOVE EXISTING VENT THROUGH ROOF, PATCH OPENING IN ROOF DECK.

D14 EXHAUST FAN TO DEMOLISH:
REMOVE EXISTING EXHAUST FAN, ASSOCIATED CURB AND FLASHING. CLOSE OPENING IN ROOF DECK.

A3 CAULK ABATEMENT:
REMOVE BY ABATEMENT CAULKING AROUND EDGE OF ROOF PRIOR TO ROOF EDGE REMOVAL

## LEGEND

| | | | |
|---|---|---|---|
| D1 | DEMOLITION KEY NOTE | EFE | EXISTING ROOF FAN LOCATION |
| | AREA OF REMOVALS | EVP | EXISTING VENT PIPE LOCATION |
| _ _ _ _ _ _ _ | REMOVAL WORK | ERD | EXISTING ROOF DRAIN TO LOCATION |
| | | EHV | EXISTING HOT VENT LOCATION |

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| LOCATION OF PROJECT: MANCHESTER MP 340.15 | DATE: 07/30/2025 |
| TITLE OF DRAWING: DEMOLITION ROOF PLAN | DRAWING NUMBER: A102 |

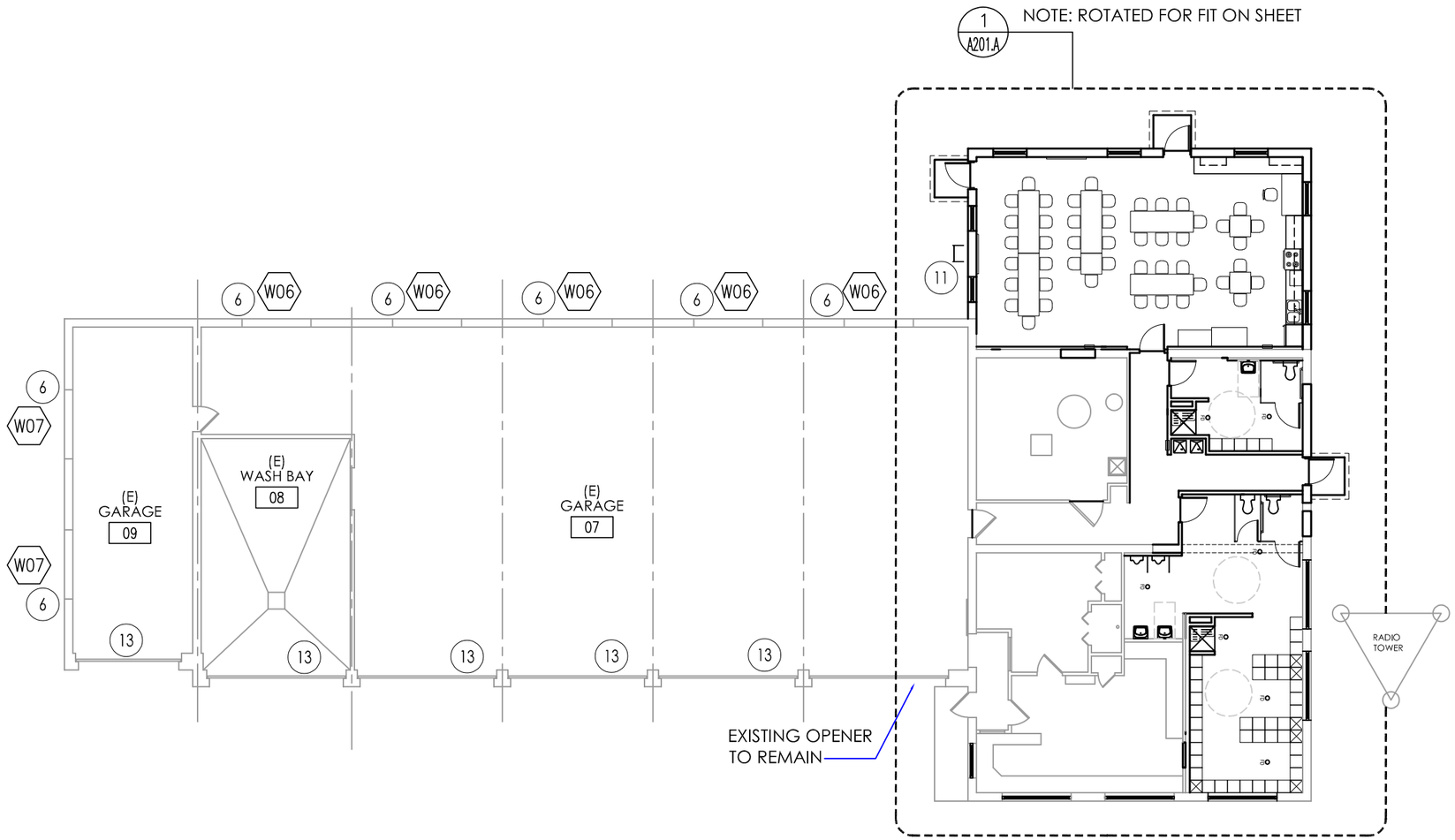
# NEW CONSTRUCTION KEY NOTES:

1. PATCH EXISTING MASONRY WALL SMOOTH AFTER REMOVAL OF ADJACENT / CONNECTING MASONRY WALL - TYPICAL.
2. FILL IN EXISTING OPENING WITH METAL STUD AND GYP. BOARD CONSTRUCTION.
3. FURNITURE BY OWNER.
4. EQUIPMENT BY OWNER.
5. PATCH EXISTING CMU WALL INCLUDING ALL PENETRATIONS FROM FORMER PLUMBING AND FASTENERS. SMOOTH PATCHED AREAS AND PAINT WALL FULL HEIGHT - TYP. CORRIDOR 01 AND 01A.
6. INSTALL NEW WINDOW IN EXISTING MASONRY OPENING.
7. NEW AHU-1 ON CONCRETE PAD. SEE MECHANICAL DRAWINGS.
8. FIRE EXTINGUISHER AND CABINET
9. STEEL BEAM - SEE DETAIL 2/S201
10. FILL IN EXISTING EXTERIOR OPENING WITH CMU TO MATCH EXISTING DEPTH. INSTALL NEW METAL PANELS OVER EXTERIOR OF MASONRY.
11. NEW ALUMINUM LADDER FROM GROUND TO ROOF.
12. NEW CANOPY OVER EXTERIOR DOOR - REFER TO ROOF PLAN.
13. PROVIDE NEW OPERATOR FOR EXISTING OVERHEAD DOOR AND OPENER RAILS. NEW OPENER TO MATCH EXISTING AT EAST BAY: LIFTMASTER T-753-L5 INDUSTRIAL TROLLEY OPENER WITH BREAK, AND T 14' OPENER RAILS.

# LEGEND:

W07 — WINDOW TAG - REFER TO A900 FOR WINDOW TYPES.

S3i — PARTITION/ WALL TYPE - REFER TO A401

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1 / A201 **OVERALL FLOOR PLAN**
SCALE: 1/16" = 1'-0"

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| LOCATION OF PROJECT: MANCHESTER MP 340.15 | DATE: 07/30/2025 |
| TITLE OF DRAWING: OVERALL FLOOR PLAN | DRAWING NUMBER: A201 |

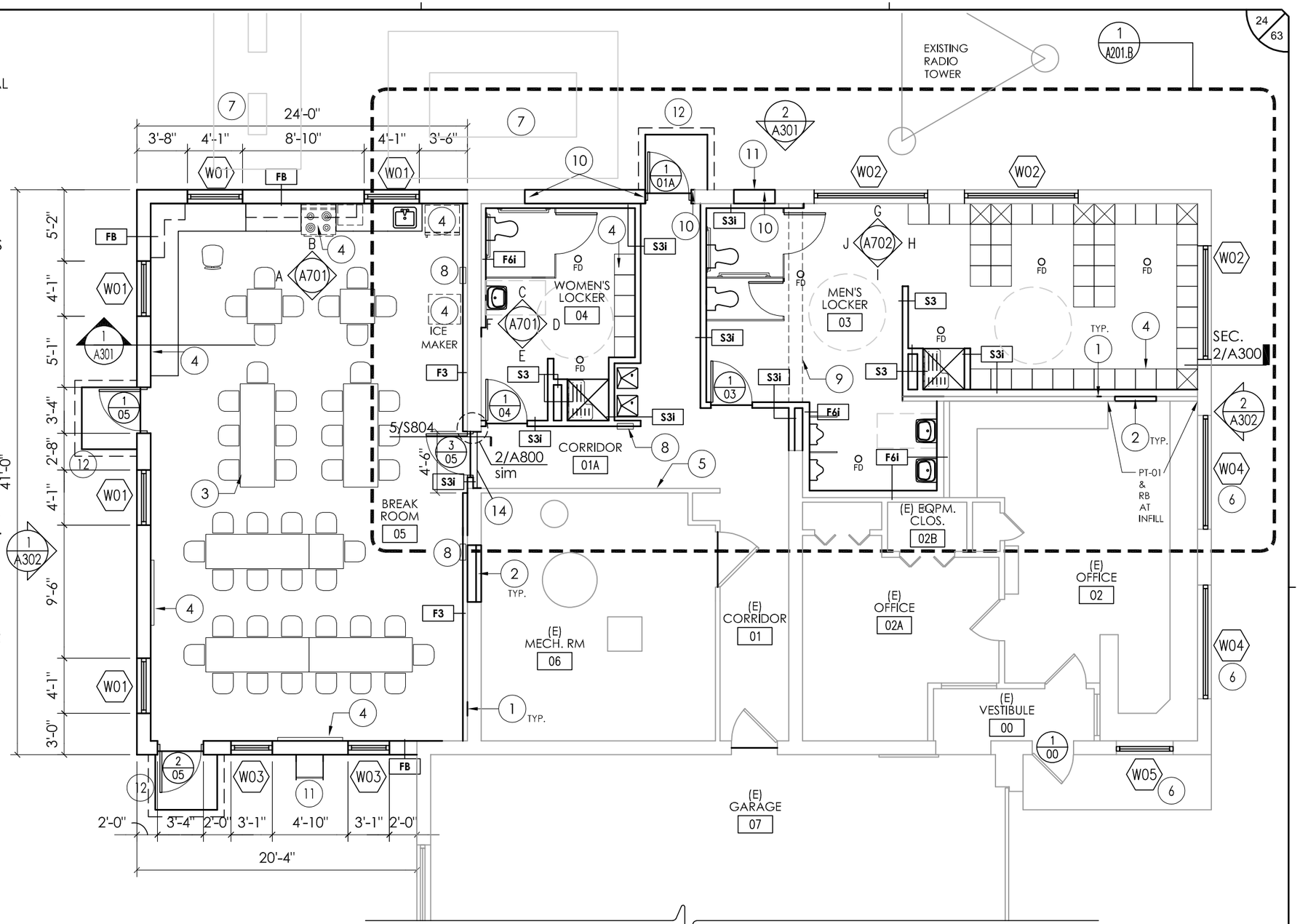
BUREAU DIRECTOR: J.L. MORRIS
DESIGNED BY: XXX
CHECKED BY: XXX
DRAFTED BY: XXX
TA NUMBER/DWSS/DWG NUMBER

# NEW CONSTRUCTION KEY NOTES:

1. PATCH EXISTING MASONRY WALL SMOOTH AFTER REMOVAL OF ADJACENT / CONNECTING MASONRY WALL - TYPICAL.
2. FILL IN EXISTING OPENING WITH METAL STUD AND GYP. BOARD CONSTRUCTION.
3. FURNITURE BY OWNER.
4. EQUIPMENT BY OWNER.
5. PATCH EXISTING CMU WALL INCLUDING ALL PENETRATIONS FROM FORMER PLUMBING AND FASTENERS. SMOOTH PATCHED AREAS AND PAINT WALL FULL HEIGHT - TYP. CORRIDOR 01 AND 01A.
6. INSTALL NEW WINDOW IN EXISTING MASONRY OPENING.
7. NEW HVAC UNITS ON CONCRETE PADS. SEE MECHANICAL DRAWINGS.
8. FIRE EXTINGUISHER, CABINET, AND SIGN - REFER TO SPECIFICATION SECTION 104413
9. STEEL BEAM - SEE DETAIL 2/S201
10. FILL IN EXISTING EXTERIOR OPENING WITH CMU TO MATCH EXISTING DEPTH, 2 1/2" RIGID INSULATION, VAPOR BARRIER, INSTALL NEW METAL PANELS OVER EXTERIOR OF MASONRY.
11. NEW ALUMINUM LADDER FROM GROUND TO ROOF.
12. NEW CANOPY OVER EXTERIOR DOOR - REFER TO ROOF PLAN.
13. PROVIDE NEW OPERATOR FOR EXISTING OVERHEAD DOOR - REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL REQUIREMENTS.
14. ADHERE (1) LAYER OF GYP.BD. AT JAMB OPENING

# LEGEND:

- W07 — WINDOW TAG - REFER TO A900 FOR WINDOW TYPES.
- S3i — PARTITION/ WALL TYPE - REFER TO A401

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1 / A201A — **FLOOR PLAN**
SCALE: 1/8" = 1'-0"

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| LOCATION OF PROJECT: MANCHESTER MP 340.15 | DATE: 07/30/2025 |
| TITLE OF DRAWING: ADDITION FLOOR PLAN | DRAWING NUMBER: A201A |

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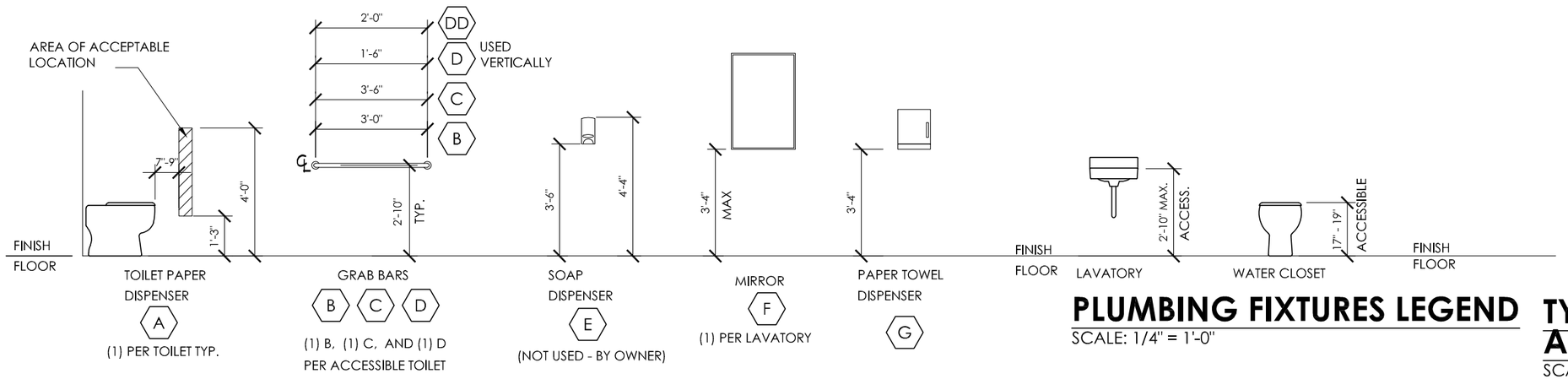
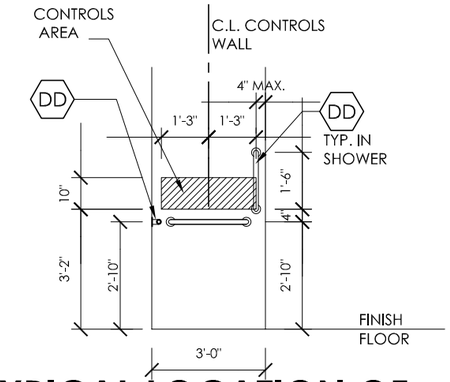



## PLUMBING FIXTURES LEGEND

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




## TYPICAL LOCATION OF ACCESSORIES IN A SHOWER

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

## TOILET ROOM ACCESSORIES LEGEND

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

NOTES:
1. DIMENSIONS REFLECT MOUNTING HEIGHT ABOVE FINISH FLOOR. 2. REFER TO FLOOR PLANS AND INTERIOR ELEVATIONS FOR LOCATION FOR ACCESSORIES.




## TYPICAL ACCESSORIES LOCATIONS AT TOILET

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

REFER TO FIXTURES AND ACCESSORIES LEGENDS FOR OTHER MOUNTING HEIGHTS




REF A201.B 1

## LOCKER ROOM -DIMENSION PLAN

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

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| LOCATION OF PROJECT: MANCHESTER MP 340.15 | DATE: 07/30/2025 |
| TITLE OF DRAWING: LOCKER ROOMS PLAN AND TYPICAL ACCESSORIES DETAILS | DRAWING NUMBER: A201.B |

DESIGNED BY: XXX
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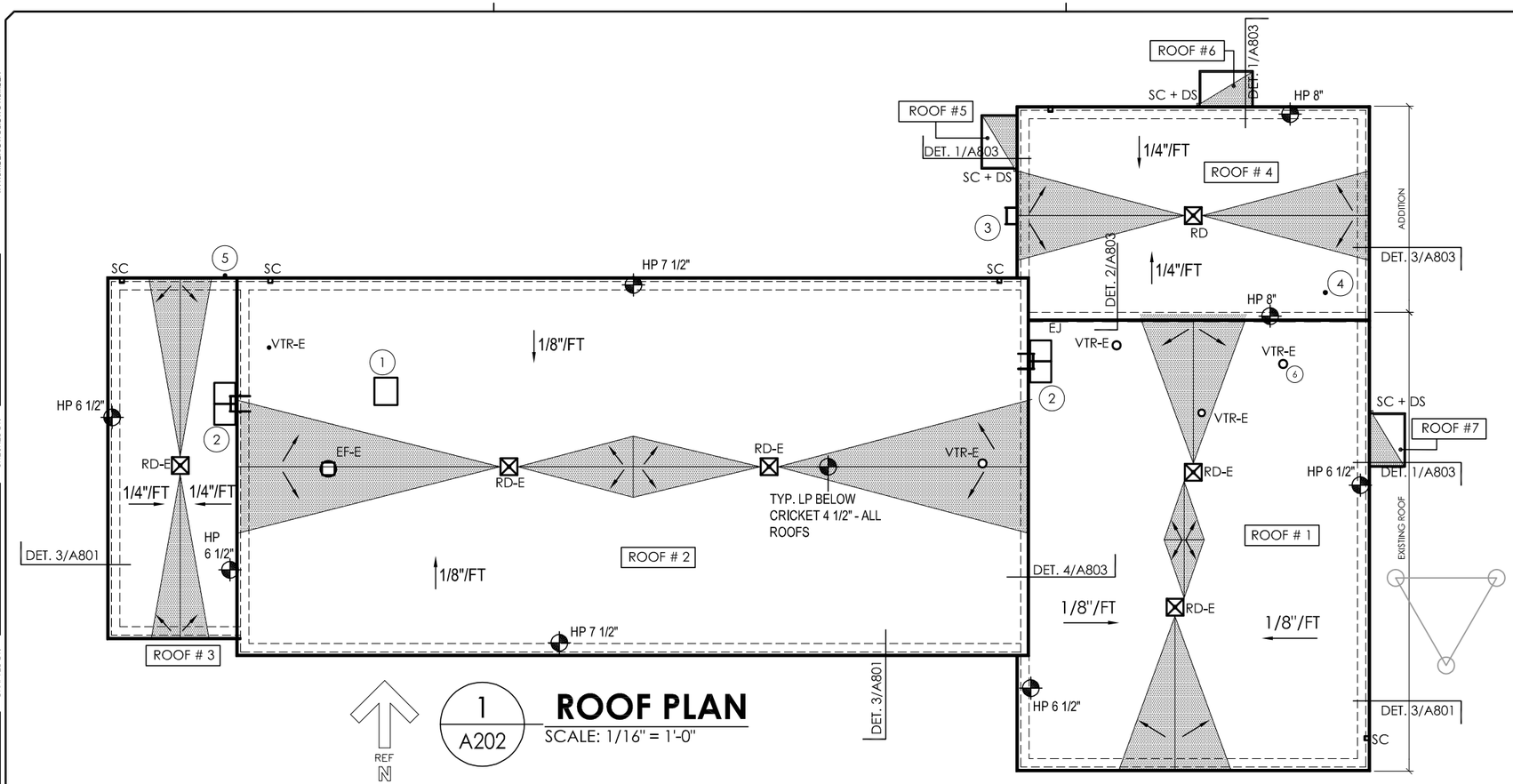


1 / A202 **ROOF PLAN**
SCALE: 1/16" = 1'-0"

## GENERAL ROOFING NOTES:

1. ALL DRAWINGS ARE GRAPHIC REPRESENTATION OF APPROXIMATE LOCATIONS OF EXISTING AND NEW MATERIALS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO SUBMITTING A BID AND COMMENCEMENT OF WORK.
2. PROTECT ALL ADJACENT SURFACES NOT SCHEDULED FOR WORK AND REPAIR ANY AREAS DAMAGED AS A RESULT OF CONTRACTOR WORK AT NO ADDITIONAL COST TO THE OWNER.
3. MAINTAIN WATER TIGHTNESS & PROVIDE PROTECTION AT ANY/ALL OPENINGS IN ROOF LEFT AT THE END OF EACH CONSTRUCTION DAY.
4. ALL WOOD BLOCKING USED SHALL BE PRESSURE TREATED/ FIRE RETARDANT.
5. PROVIDE POSITIVE DRAINAGE TO ROOF DRAINS BY EMPLOYING RIGID TAPERED INSULATION CRICKET PANELS, KITES, AND SADDLES WHERE INDICATED.
6. ROOF INSULATION SLOPE SHOWN FOR MECHANICAL CURBS SADDLES TO BE 1/2" PER FOOT, U.N.O.
7. PRESCRIBED VALUE OF ROOF INSULATION ( INSULATION ABOVE NEW ROOF DECK) = R30
8. PROVIDE NEW FLASHING AT EXISTING ROOF PENETRATIONS AND CURBS, REFER TO DETAILS.
9. EXTEND EXISTING PIPES THROUGH ROOF AND CURBS AS REQUIRED TO ACCOMMODATE NEW INSULATION THICKNESS AND MAINTAIN MIN. 8" FLASHING HEIGHT. TEMPORARILY REMOVE AND RESET EXISTING EQUIPMENT ON EXTENDED CURB.

## ROOF PLAN KEYNOTES:

1. CLOSE OPENING FROM REMOVED EXISTING ROOF HATCH - REF. DET. 3/A802
2. ALUMINUM ROOF LADDER FROM LOWER ROOF TO UPPER ROOF. PROVIDE ROOF PADS AT BASE OF LADDER.
3. ALUMINUM LADDER - FROM GRADE TO ROOF.
4. NEW VENT THROUGH ROOF LOCATION.
5. EXISTING VENT PIPE ADJACENT TO ROOF - PROTECT.
6. EXISTING VENT-THRU-ROOF TO REMAIN. EXTEND VENT PIPE TO BE MIN. 18" ABOVE ROOF SURFACE.

## ROOF SCHEDULE

| ROOF | DECK MATERIAL | EXISTING ROOFING SYSTEM | NEW ROOFING SYSTEM |
|---|---|---|---|
| ROOF # 1, 2, AND 3 | EXISTING CONC. PLANK DECK | INSULATION MEMBRANE ROOF | TAPERED ROOF INSULATION, EPDM ROOF SYSTEM |
| ROOF # 4 | METAL ROOF DECK | --- | TAPERED ROOF INSULATION, EPDM ROOF SYSTEM |
| ROOF # 5, 6, AND 7 | METAL ROOF DECK | --- | TAPERED ROOF INSULATION TO FORM SLOPE, EPDM ROOF SYSTEM |

## ROOF INSULATION ATTACHMENT NOTES :

1. INSTALL R-30 INSULATION IN MINIMUM OF (2) LAYERS. THE TOTAL R-VALUE IS R-30
2. FIRST LAYER OF INSULATION MAY BE MECHANICALLY FASTENED TO THE ROOF DECK.
3. SECOND AND NEXT LAYERS OF INSULATIONS SHALL BE ADHERED TO THE FIRST LAYER .
4. MECHANICAL ONLY ATTACHMENT OF ROOF INSULATION IS NOT PERMITTED.

## GENERAL ROOF BLOCKING ATTACHMENT GUIDE :

1. SECURE 2x WOOD BLOCKING TO METAL DECK WITH (2) ROWS OF #10 GALVANIZED STEEL SCREWS @ 24" O.C. PROVIDE GALVANIZED STEEL WASHERS, 1" OUTSIDE DIAMETER, UNDER SCREW HEADS.
2. SECURE 2x WOOD BLOCKING TO CONCRETE BLOCK, OR MASONRY, WITH 1/2" DIAMETER ANCHOR BOLTS @ 48" O.C. (STAGGERED IF NAILER IS WIDER THAN 6"). BOLTS SHALL BE SPACED EVERY 24" WITH IN 96" OF A CORNER CONDITION.
3. SECURE 2x WOOD BLOCKING TO 2x WOOD BLOCKING WITH (2) ROWS OF NAILS STAGGERED (SPACING IN ANY ONE ROW SHALL NOT EXCEED 24"). SPACING SHALL NOT EXCEED 12" WITHIN 96" OF A CORNER CONDITION. NAILS SHALL PENETRATE 1-1/4" W/ 100 LBS. PER NAIL WITHDRAWAL RESISTANCE.
4. MINIMUM SIZE OF 2X BLOCKING FOR ROOF EDGE ATTACHMENT IS 2X6.

ROOF PLAN SYMBOLS LEGEND:

| | |
|---|---|
| ETR | EXISTING TO REMAIN |
| - E | EXISTING LOCATION - V.I.F. |
| LP / HP | TOP OF INSULATION ELEVATION (FROM T.O. DECK): - LOW POINT - HIGH POINT |
| | ROOF SLOPE DIRECTION |
| | NEW CRICKET, TYP. SLOPE ½"/FT. |
| RD | ROOF DRAIN |
| SC | SCUPPER THROUGH FASCIA/PARAPET (AS SECONDARY DRAINAGE) |
| DS | DOWNSPOUT |
| VTR | VENT/PIPE THROUGH ROOF |
| EF | EXHAUST FAN ON THE ROOF |
| EJ | ROOF EXPANSION JOINT |

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EXP. 05/31/2026

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NEW YORK STATE OF OPPORTUNITY. Thruway Authority

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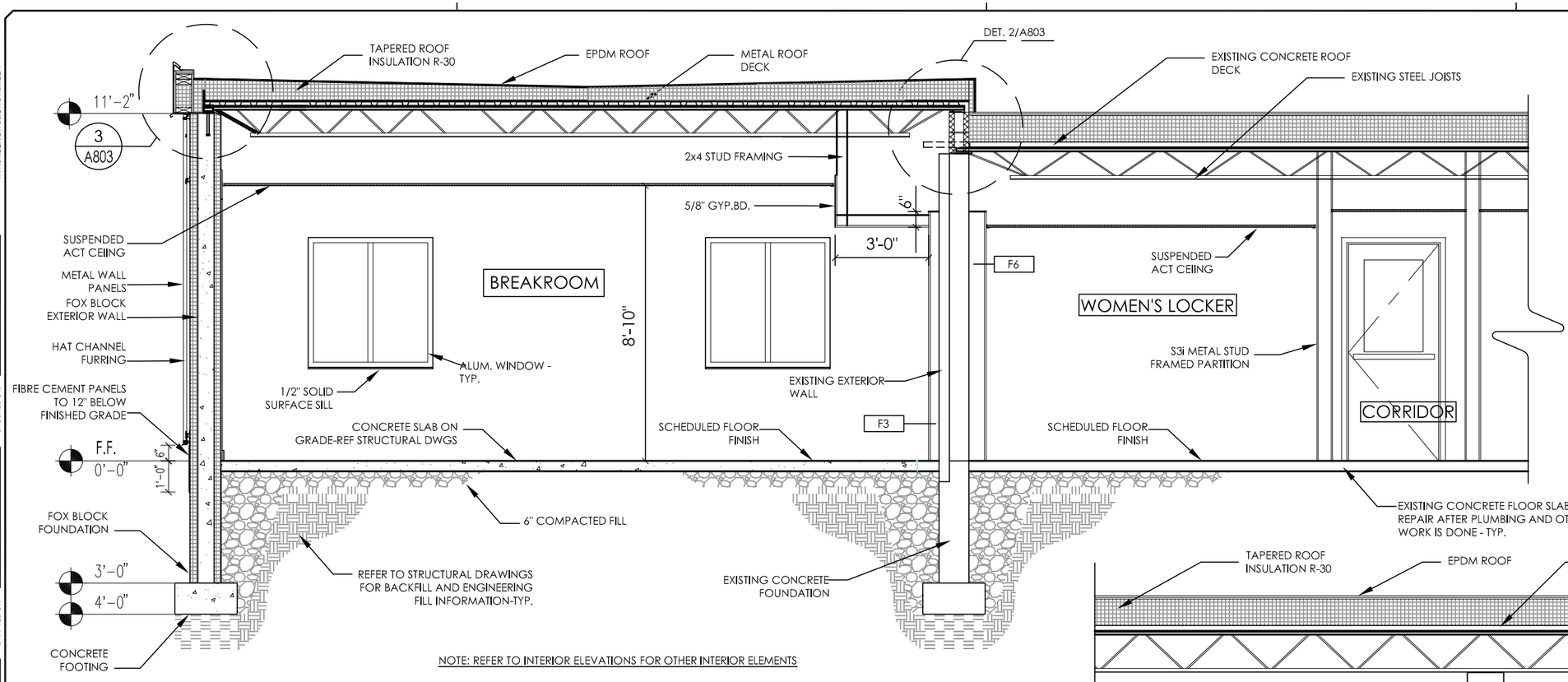
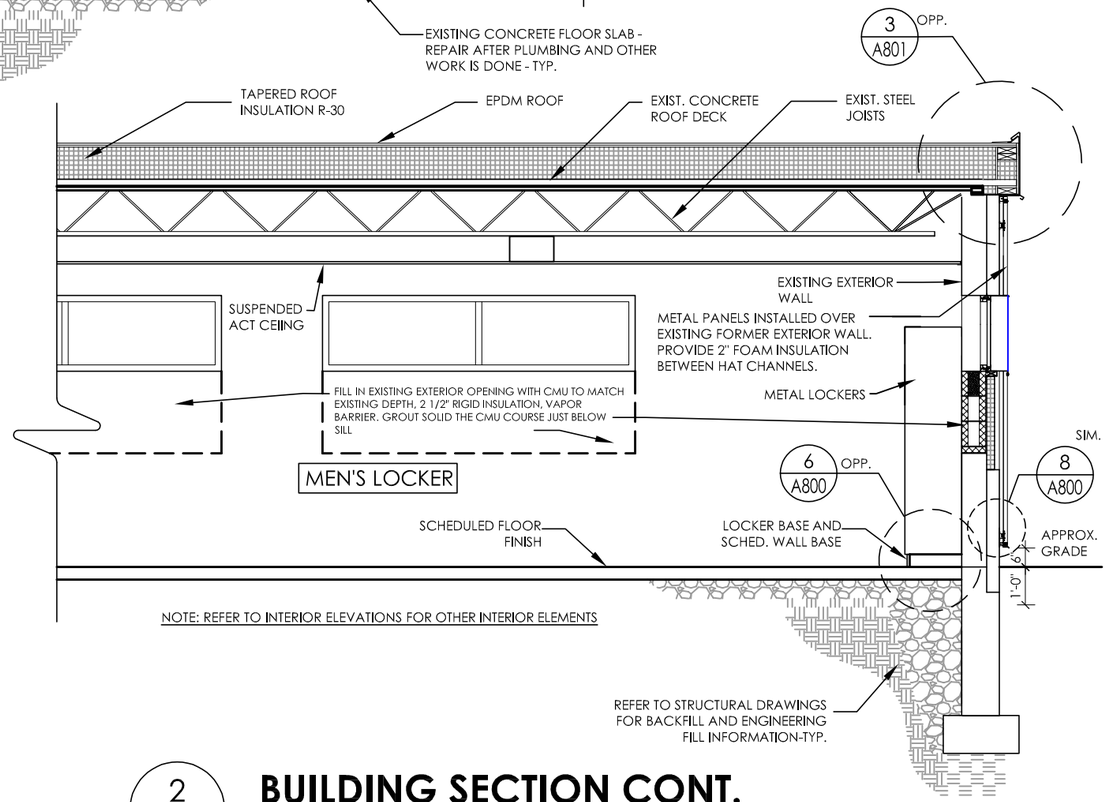
| TITLE OF PROJECT: ADDITIONS TO MAINTENANCE SECTION | CONTRACT NUMBER: TAS 25-9A |
| LOCATION OF PROJECT: MANCHESTER MP 340.15 | DATE: 07/30/2025 |
| TITLE OF DRAWING: ROOF PLAN | DRAWING NUMBER: A202 |

TA NUMBER/DWGS/DWG NUMBER
CHECKED BY: XXX
DESIGNED BY: XXX
DRAFTED BY: XXX
BUREAU DIRECTOR: J.L. MORRIS




1 / A300 **BUILDING ADDITION SECTION**
SCALE: 1/4" = 1'-0"




2 / A300 **BUILDING SECTION CONT.**
SCALE: 1/4" = 1'-0"

TA NUMBER/DWGS/DWG NUMBER
CHECKED BY: XXX
DRAFTED BY: XXX
DESIGNED BY: XXX
BUREAU DIRECTOR: J.L. MORRIS

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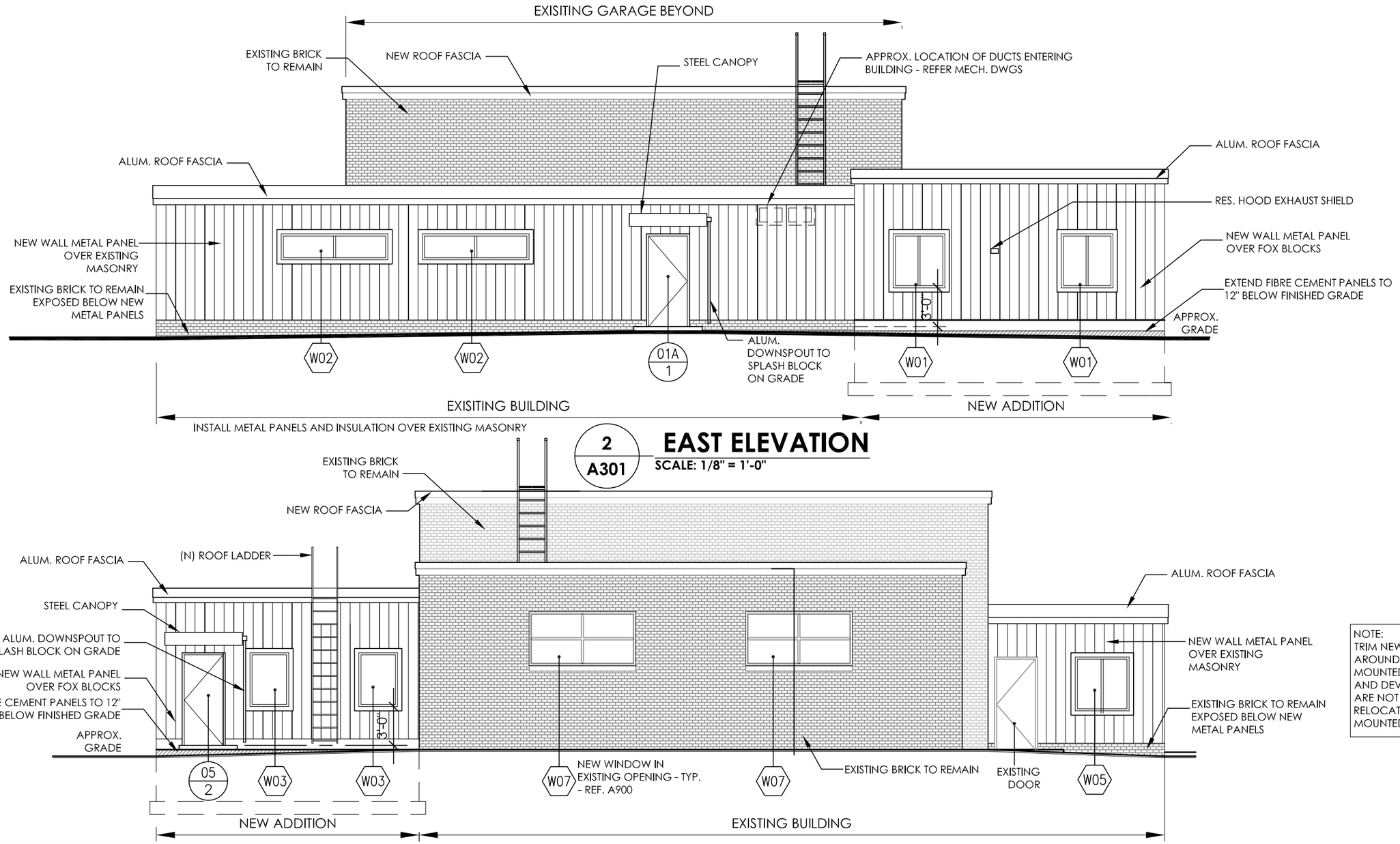
| LOCATION OF PROJECT: MANCHESTER MP 340.15 | DATE: 07/30/2025 |
| TITLE OF DRAWING: BUILDING SECTION | DRAWING NUMBER: A300 |




2 / A301 **EAST ELEVATION**
SCALE: 1/8" = 1'-0"




NOTE:
TRIM NEW METAL WALL PANELS AROUND EXISTING WALL MOUNTED CONDUITS/PIPING AND DEVICES. DEVICES THAT ARE NOT BEING REMOVED OR RELOCATED ARE TO REMAIN MOUNTED ON EXISTING BRICK.

1 / A301 **WEST ELEVATION**
SCALE: 1/8" = 1'-0"

DRAFTED BY: XXX
CHECKED BY: XXX
DESIGNED BY: XXX
BUREAU DIRECTOR: J.L MORRIS
TA NUMBER/DWGS/DWG NUMBER

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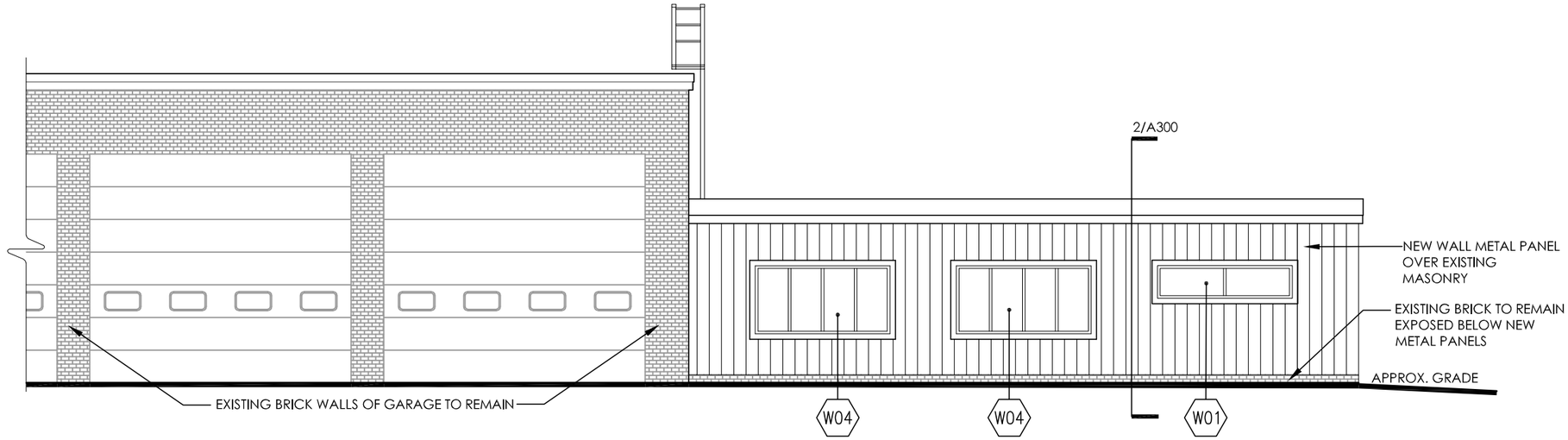
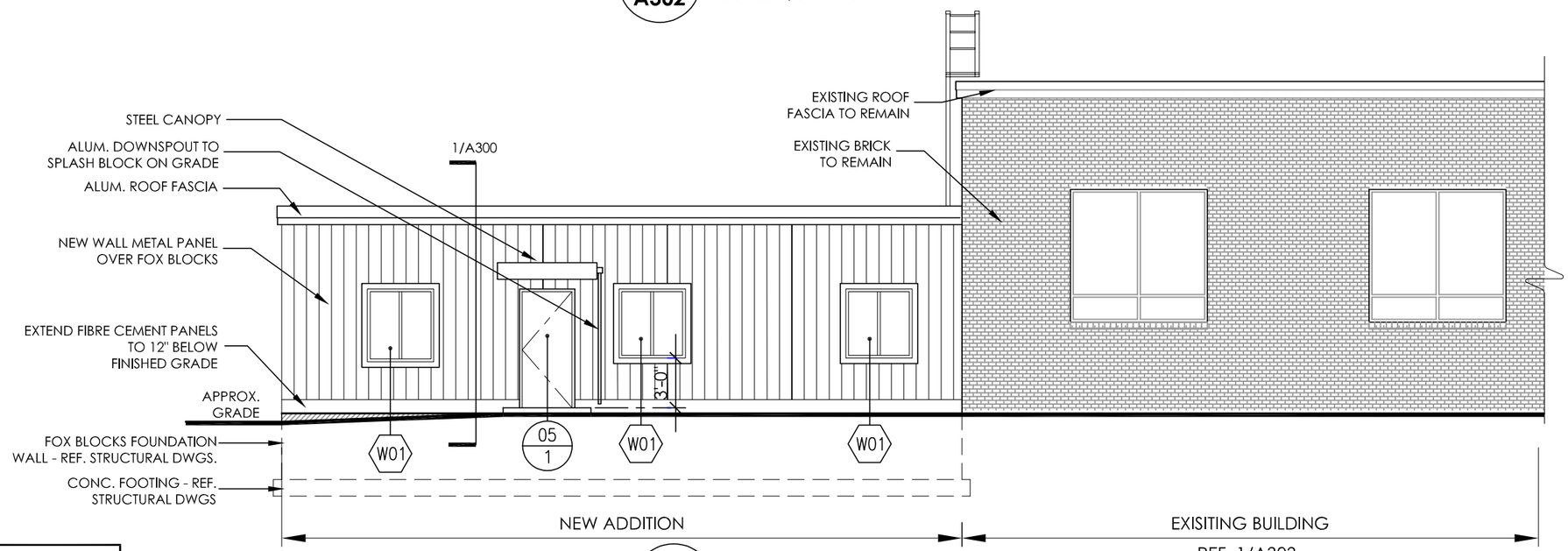
| TITLE OF PROJECT: ADDITIONS TO MAINTENANCE SECTION | CONTRACT NUMBER: TAS 25-9A |
| LOCATION OF PROJECT: MANCHESTER MP 340.15 | DATE: 07/30/2025 |
| TITLE OF DRAWING: BUILDING ELEVATIONS | DRAWING NUMBER: A301 |




## 2 / A302 SOUTH ELEVATION

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

NOTE:
TRIM NEW METAL WALL PANELS AROUND EXISTING WALL MOUNTED CONDUITS/PIPING AND DEVICES. DEVICES THAT ARE NOT BEING REMOVED OR RELOCATED ARE TO REMAIN MOUNTED ON EXISTING BRICK.




## 1 / A302 NORTH ELEVATION

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

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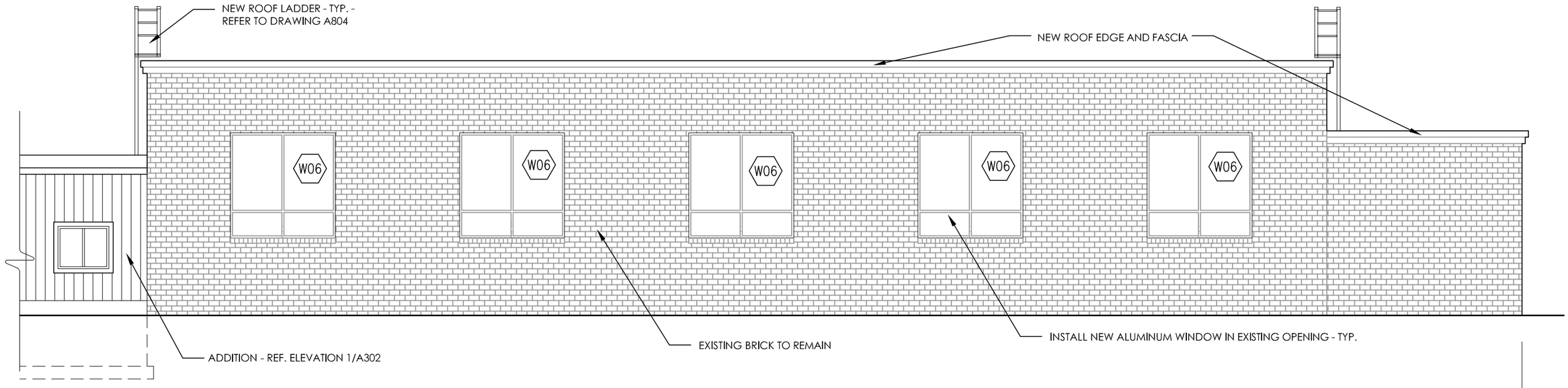
| TITLE OF PROJECT: ADDITIONS TO MAINTENANCE SECTION | CONTRACT NUMBER: TAS 25-9A |
| LOCATION OF PROJECT: MANCHESTER MP 340.15 | DATE: 07/30/2025 |
| TITLE OF DRAWING: BUILDING ELEVATIONS | DRAWING NUMBER: A302 |

TA NUMBER/DWGS/DWG NUMBER
DRAFTED BY: XXX
CHECKED BY: XXX
DESIGNED BY: XXX
BUREAU DIRECTOR: J.L. MORRIS




# 1 / A303 NORTH ELEVATION - EXISTING GARAGE

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

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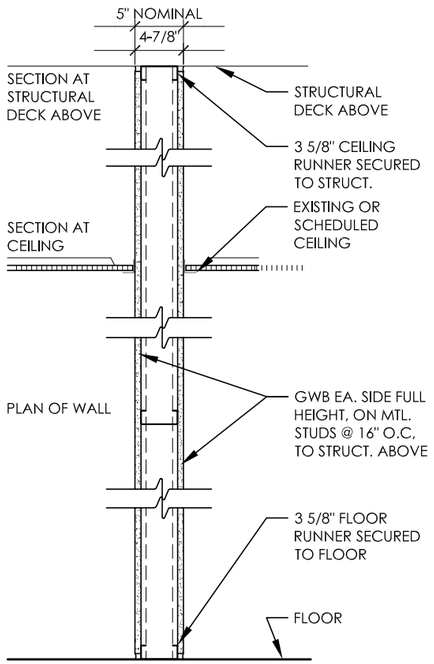
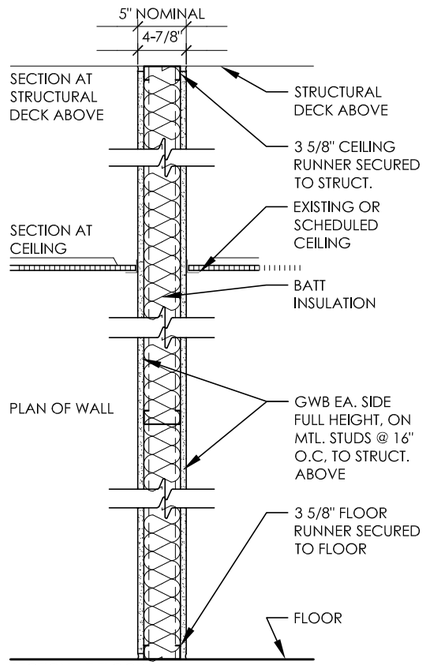
| TITLE OF PROJECT: ADDITIONS TO MAINTENANCE SECTION | CONTRACT NUMBER: TAS 25-9A |
| LOCATION OF PROJECT: MANCHESTER MP 340.15 | DATE: 07/30/2025 |
| TITLE OF DRAWING: BUILDING ELEVATION | DRAWING NUMBER: A303 |

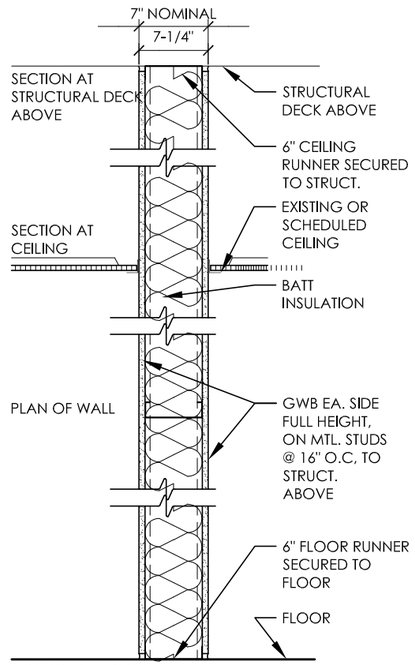
TA NUMBER/DWGS/DWG NUMBER
DRAFTED BY: XXX
CHECKED BY: XXX
DESIGNED BY: XXX
BUREAU DIRECTOR: J.L. MORRIS



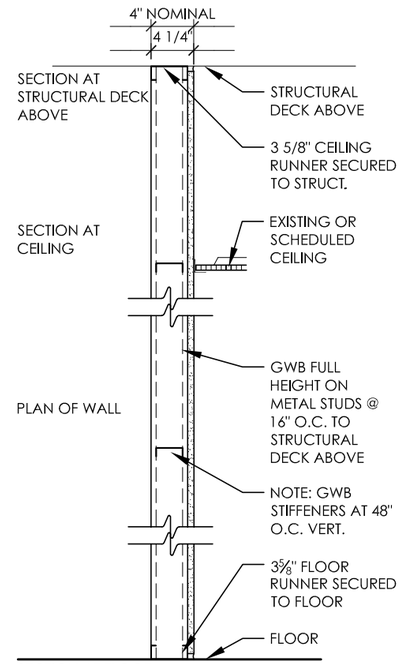

| TYPE | FIRE TEST LAB & DESIGN | FIRE RATING | STC |
|---|---|---|---|
| S3 | NA | NR | 42 |




| TYPE | FIRE TEST LAB & DESIGN | FIRE RATING | STC |
|---|---|---|---|
| S3i | NA | NR | 47 |

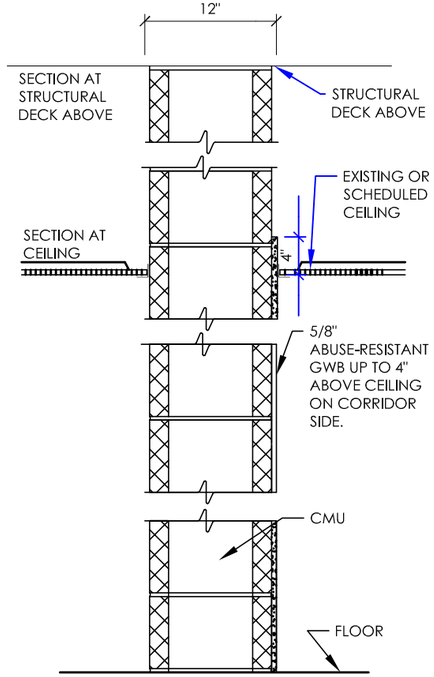



| TYPE | FIRE TEST LAB & DESIGN | FIRE RATING | STC |
|---|---|---|---|
| S6i | NA | NR | 47 |




| TYPE | FIRE TEST LAB & DESIGN | FIRE RATING | STC |
|---|---|---|---|
| F3 | NA | NR | NA |
| F6i | NA | NR | 47 |

NOTE: FURRED PARTITION F6i: SAME AS F3, WITH 6" STUDS AND ACOUSTIC BATT INSULATION BETWEEN STUDS.




| TYPE | FIRE TEST LAB & DESIGN | FIRE RATING | STC |
|---|---|---|---|
| M12 | NA | - | - |

## 1 / A401 WALL TYPES

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

DRAFTED BY: XXX
CHECKED BY: XXX
DESIGNED BY: XXX
BUREAU DIRECTOR: J.L. MORRIS
TA NUMBER/DWSS/DWG NUMBER

| ALTERED ON: | AFFIXED ON: 07/30/2025 |
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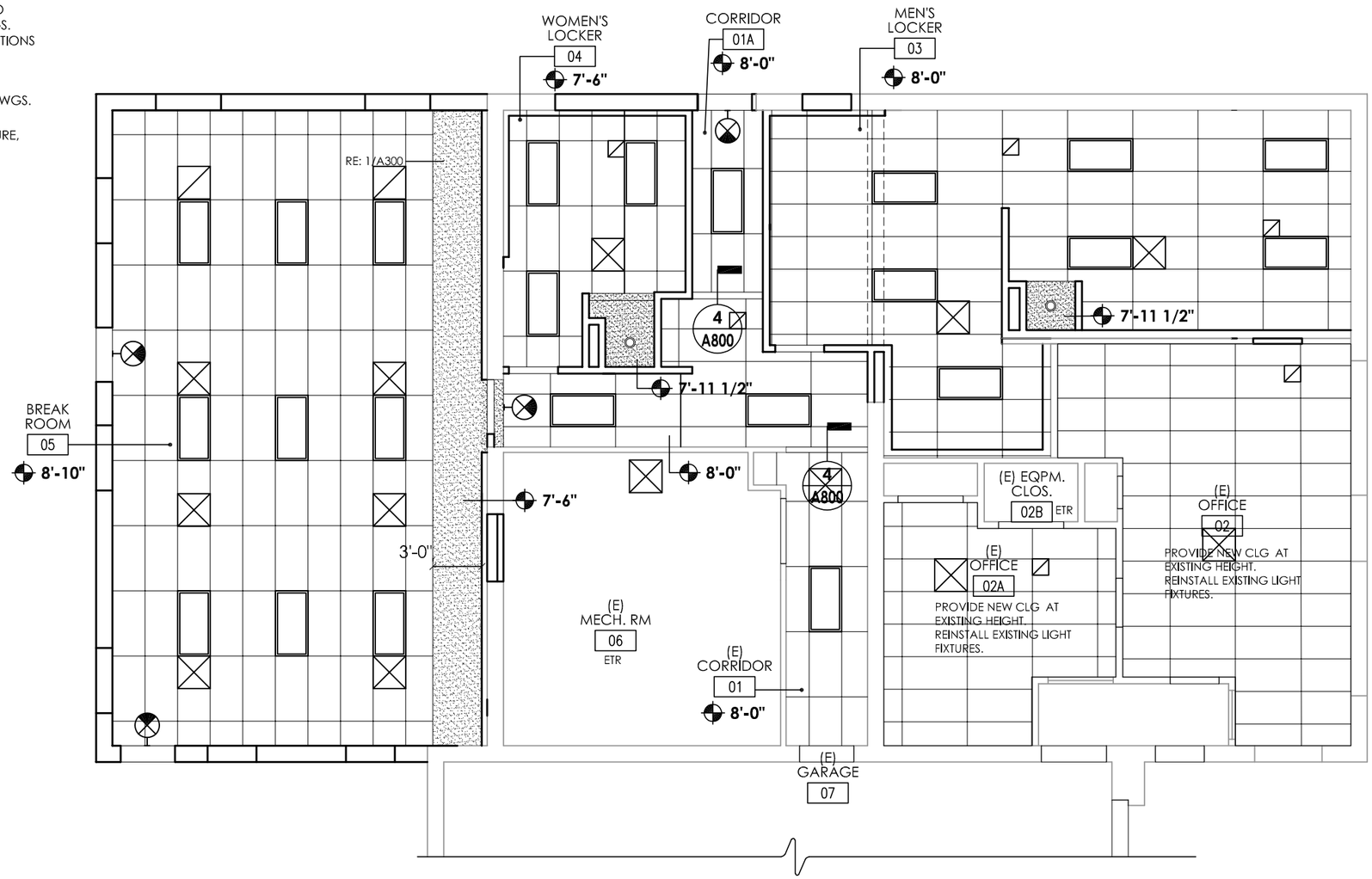
| TITLE OF PROJECT: ADDITIONS TO MAINTENANCE SECTION | CONTRACT NUMBER: TAS 25-9A |
| LOCATION OF PROJECT: MANCHESTER MP 340.15 | DATE: 07/30/2025 |
| TITLE OF DRAWING: WALL TYPES | DRAWING NUMBER: A401 |

## SYMBOL LEGEND:

- SUSPENDED ACOUSTIC CEILING SYSTEM RE: FINISH LEGEND
- GYPSUM BOARD SOFFIT/CEILING ASSEMBLY (U.N.O.), PRIMED & PAINTED
- CEILING HEIGHT ABOVE FINISHED FLOOR
- MECHANICAL DIFFUSERS & GRILLES, REFER TO MECHANICAL SERIES DWGS. FOR INTENDED DESIGNATIONS AND DESCRIPTIONS.
- LIGHT FIXTURES, REFER TO ELECTRICAL SERIES DWGS. FOR INTENDED DESIGNATIONS AND DESCRIPTIONS.
- EXIT DEVICE, RE: ELEC. DWGS.
- EMERGENCY LIGHT FIXTURE, RE: ELEC. DWGS.

## CEILING GENERAL NOTES:

1. ALL DRAWINGS ARE GRAPHIC REPRESENTATION OF APPROXIMATE LOCATIONS OF NEW MATERIALS FOR CONSTRUCTION. IT IS THE CONTRACTORS RESPONSIBILITY TO FIELD VERIFY ALL CONDITIONS PRIOR TO COMMENCEMENT OF WORK.
2. THE CONTRACTOR IS RESPONSIBLE FOR DAMAGE TO ANY EXISTING FINISHES AND EQUIPMENT NOT REMOVED UNDER THE SCOPE OF WORK. ANY DAMAGE WILL BE REPAIRED TO THE OWNER/ARCHITECT'S SATISFACTION.
3. REFER TO THE MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR ADDITIONAL FIXTURES, UTILITY AND SERVICE INFORMATION.
4. IT IS THE RESPONSIBILITY OF THE MECHANICAL, ELECTRICAL, AND PLUMBING CONTRACTORS TO FIRE STOP THEIR WORK, INCLUDING BUT NOT LIMITED TO DUCTWORK, PIPE AND CONDUIT PENETRATIONS, RESPECTIVELY, THROUGH FLOORS AND WALLS.
5. WORK AREAS SHALL BE MAINTAINED AND ALL WORK AREAS SHALL BE LEFT BROOMED CLEAN AT END OF EACH DAY.
6. THE GENERAL CONTRACTOR SHALL COORDINATE CEILING INSTALLATIONS WITH MECHANICAL, ELECTRICAL, AND PLUMBING CONTRACTORS.
7. REFER TO ELECTRICAL DRAWINGS FOR FIXTURE AND DEVICE LOCATIONS.
8. REFER TO MECHANICAL DRAWINGS FOR DIFFUSER LOCATIONS.




REF IN 1/A601

# REFLECTED CEILING PLAN

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

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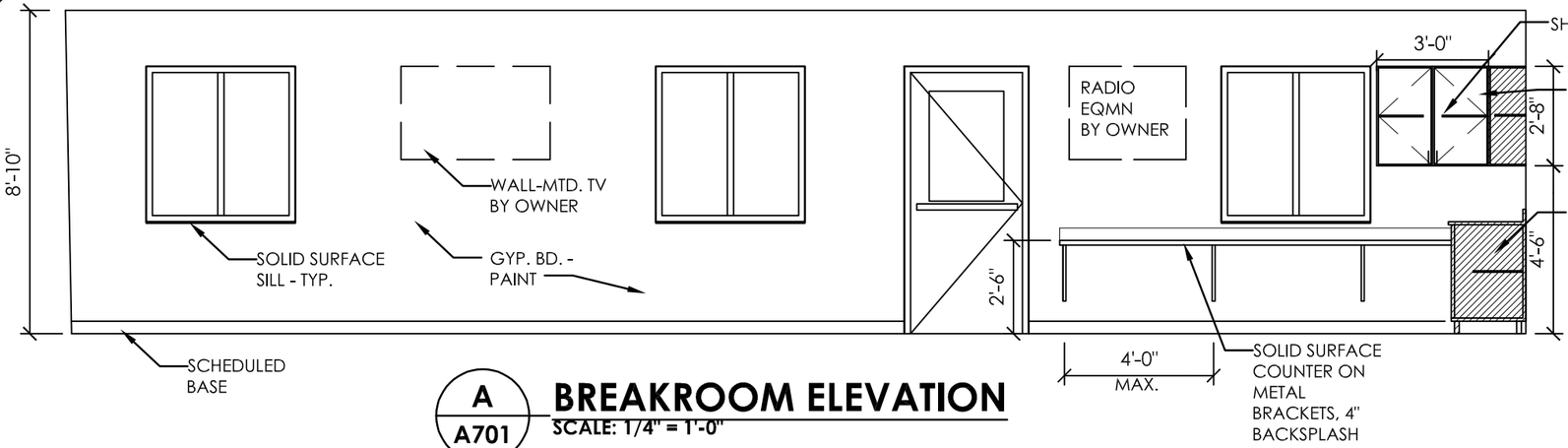
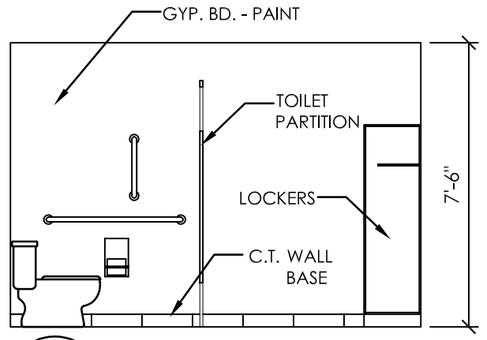
| TITLE OF PROJECT: ADDITIONS TO MAINTENANCE SECTION | CONTRACT NUMBER: TAS 25-9A |
| LOCATION OF PROJECT: MANCHESTER MP 340.15 | DATE: 07/30/2025 |
| TITLE OF DRAWING: REFLECTED CEILING PLAN | DRAWING NUMBER: A601 |

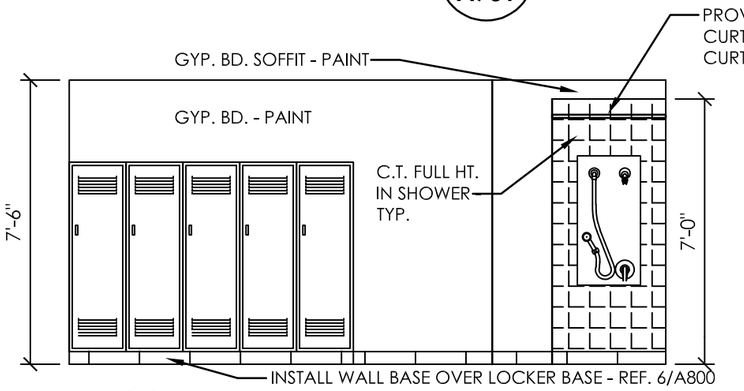
TA NUMBER/DWGS/DWG NUMBER
DRAFTED BY: XXX
CHECKED BY: XXX
DESIGNED BY: XXX
BUREAU DIRECTOR: J.L. MORRIS



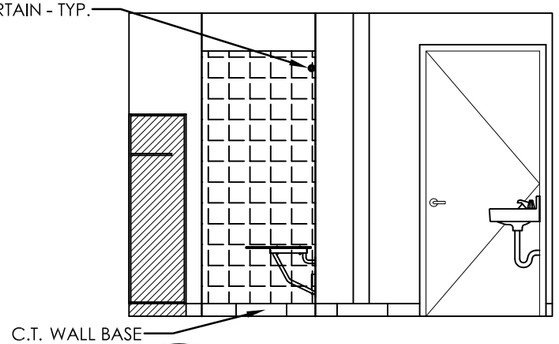

A / A701 **BREAKROOM ELEVATION**
SCALE: 1/4" = 1'-0"



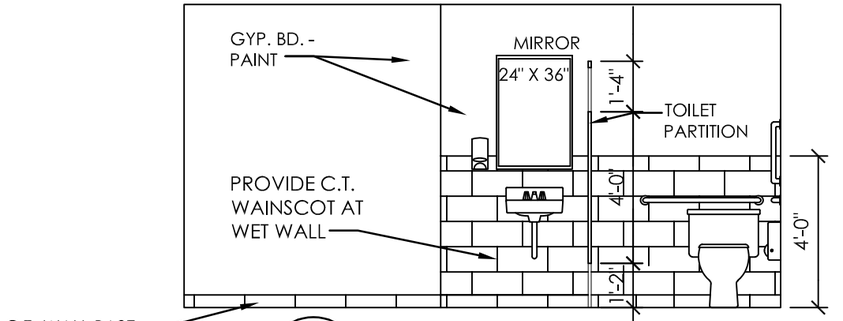

C / A701 **WOMEN'S LOCKER**
SCALE: 1/4" = 1'-0"




D / A701 **WOMEN'S LOCKER**
SCALE: 1/4" = 1'-0"



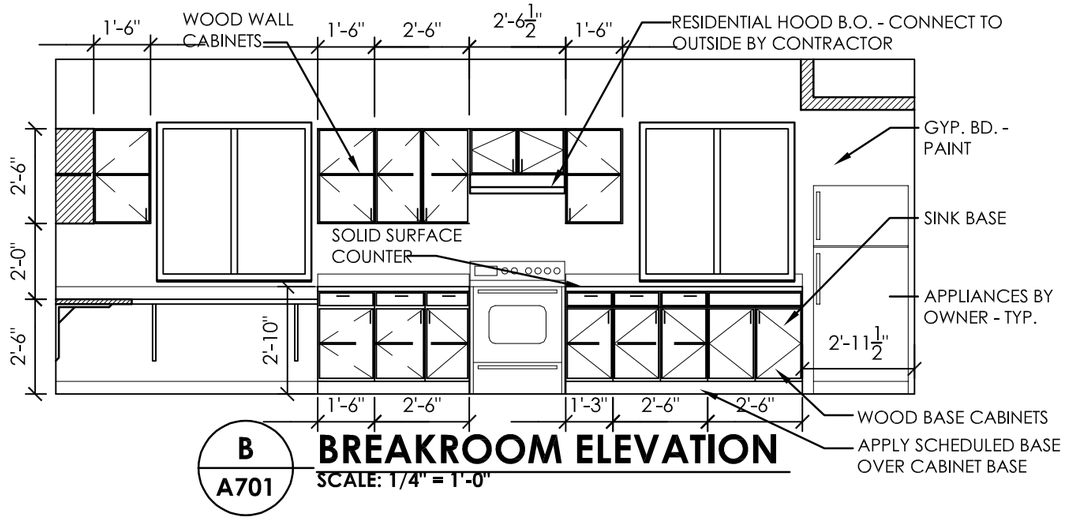

E / A701 **WOMEN'S LOCKER**
SCALE: 1/4" = 1'-0"




F / A701 **WOMEN'S LOCKER**
SCALE: 1/4" = 1'-0"

NOTES:

1. BREAK ROOM WALL AND BASE CABINETS TO BE WOOD PREMANUFACTURED CABINETS WITH SOLID SURFACE COUNTER WITH 4" BACKSPLASH.
   ADA COUNTER HEIGHT IS 34" MAX. IF STANDARD CABINET HEIGHT IS 36" WITH 4" BASE, DISCUSS WITH OWNER THE NEED FOR MODIFYING CABINET BASE WHERE HEIGHT NEEDS TO BE 34".
   PROVIDE CABINET FINISH ENDS WHERE EXPOSED OR ABUTTING APPLIANCES.
2. TOILET PARTITIONS TO BE METAL, BAKED ENAMEL FINISH, OVERHEAD BRACED, WITH STAINLESS STEEL HARDWARE.
3. LOCKERS TO BE METAL, CONFIGURATION AS SHOWN ON DRAWINGS, 18" X 18" X 6'-0" HIGH, WITH (1) SHELF AND DOUBLE HANGER HOOK INSIDE.
4. REFER TO DRAWING A201B FOR LOCATIONS AND MOUNTING HEIGHTS OF TOILER ROOM ACCESSORIES.




B / A701 **BREAKROOM ELEVATION**
SCALE: 1/4" = 1'-0"

| ALTERED ON: | AFFIXED ON: 07/30/2025 |
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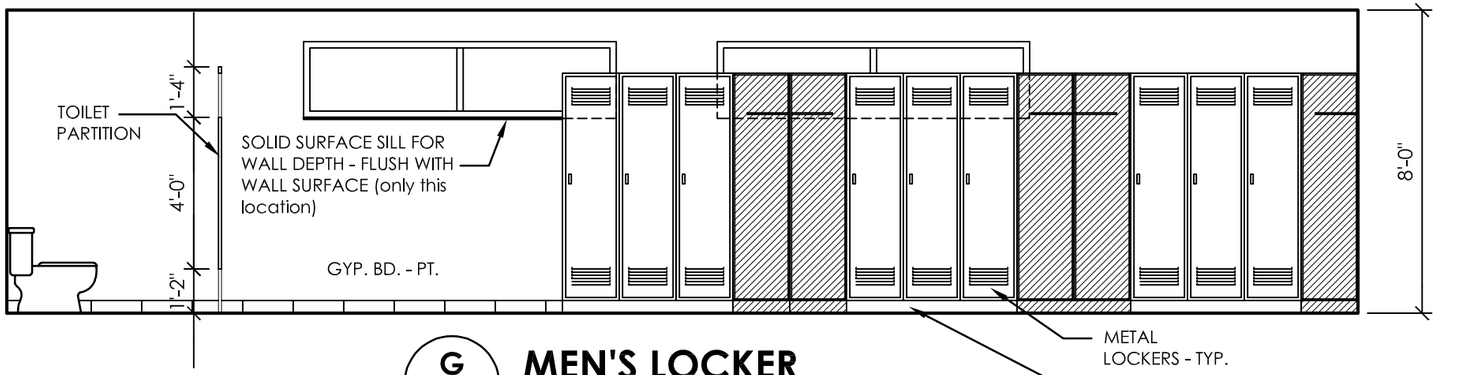
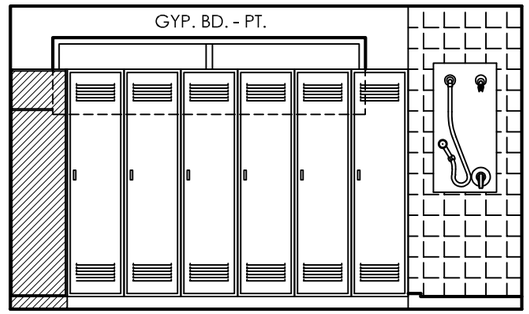
| LOCATION OF PROJECT: MANCHESTER MP 340.15 | DATE: 07/30/2025 |
| TITLE OF DRAWING: INTERIOR ELEVATIONS | DRAWING NUMBER: A701 |

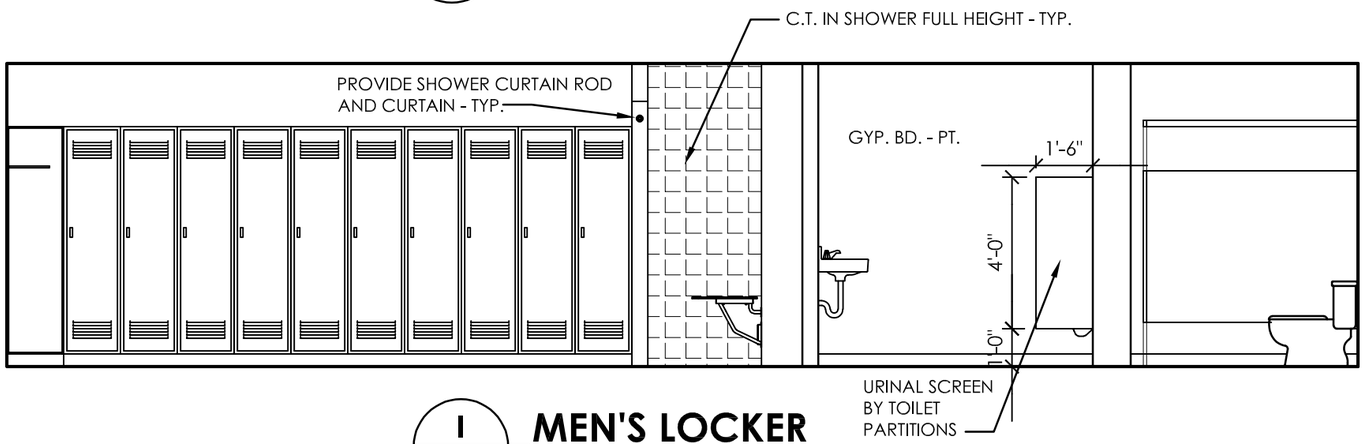
TA NUMBER/DWGS/DWG NUMBER
DRAFTED BY: XXX
CHECKED BY: XXX
DESIGNED BY: XXX
BUREAU DIRECTOR: J.L. MORRIS



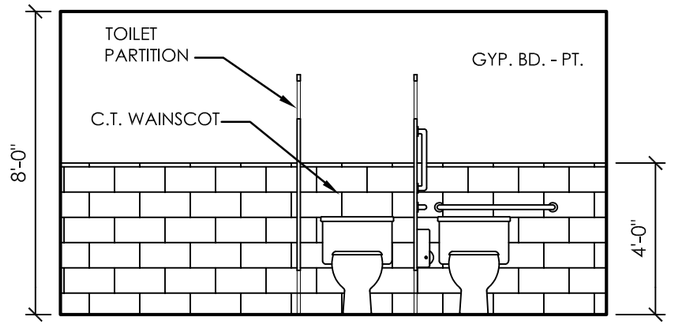

**G / A702 — MEN'S LOCKER**
SCALE: 1/4" = 1'-0"




**H / A702 — MEN'S LOCKER**
SCALE: 1/4" = 1'-0"




**I / A702 — MEN'S LOCKER**
SCALE: 1/4" = 1'-0"




**J / A702 — MEN'S LOCKER**
SCALE: 1/4" = 1'-0"

| ROOM # | ROOM NAME | FLOOR | WALL BASE | WALLS | | | | CEILING | REMARKS |
|---|---|---|---|---|---|---|---|---|---|
| | | | | NORTH | SOUTH | EAST | WEST | | |
| 01 | (E)CORRIDOR | CT | CT | PT-01 | PT-01 | PT-01 | PT-01 | ACT | |
| 01A | CORRIDOR | CT | CT | PT-01 | PT-01 | PT-01 | PT-01 | ACT | |
| 03 | MEN'S LOCKER | CT | CT | EPT-02 | EPT-02 | EPT-02 | EPT-02 | ACT/GWB | C.T. WAINSCOT WET WALLS, FULL HT. IN SHOWER |
| 04 | WOMEN'S LOCKER | CT | CT | EPT-02 | EPT-02 | EPT-02 | EPT-02 | ACT/GWB | C.T. WAINSCOT WET WALLS, FULL HT. IN SHOWER |
| 05 | BREAK ROOM | LVT | RB | PT-03 | PT-03 | PT-03 | PT-03 | ACT | |

FINISH SCHEDULE NOTES:
1. ALL FINISHES TO BE FINALIZED BY OWNER PRIOR TO INSTALLATION.
2. PROVIDE METAL TRANSITIONS FOR NEW FLOOR FINISHES AT DOOR OPENINGS AS NOTED IN DOOR SCHEDULE/THRESHOLD.
3. PAINT ALL EXISTING DOORS AND FRAMES IN CORRIDOR 01 & 01A.
4. PROVIDE MINIMUM OF (3) PAINT COLORS PLUS CEILING/SOFFIT COLOR.

FINISH SYMBOLS LEGEND & ABBREVIATIONS

| | | | |
|---|---|---|---|
| ACT | ACOUSTICAL CEILNG TILE | PT | PAINT |
| AFF | ABOVE FINISHED FLOOR | PTM | PATCH TO MATCH |
| CPT | CARPET TILE | RB | RESILIENT BASE |
| CT | CERAMIC TILE | SF | SPORTS FLOORING |
| EPT | EPOXY PAINT | SGT | STRUCTURAL GLAZED TILE |
| ETR | EXISTING TO REMAIN | SSM | SOLID SURFACE MATERIAL |
| GRT | GROUT | TER | TERRAZZO |
| GWB | GYPSUM WALL BOARD | TR | TRANSITION STRIP/TRIM PIECE |
| HPL | HIGH PRESSURE LAMINATE | VCT | VINYL COMPOSITION TILE |
| INT | INTEGRAL BASE | LVT | LUXURY VINYL TILE |

XX — EXTENTS OF NOTED FINISH

ETR — VCT — FLOORING TRANSITION

| ALTERED ON: | AFFIXED ON: |
|---|---|
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|---|---|
| TITLE OF PROJECT: ADDITIONS TO MAINTENANCE SECTION | CONTRACT NUMBER: TAS 25-9A |
| LOCATION OF PROJECT: MANCHESTER MP 340.15 | DATE: 07/30/2025 |
| TITLE OF DRAWING: INTERIOR ELEVATIONS | DRAWING NUMBER: A702 |

TA NUMBER/DWGS/DWG NUMBER
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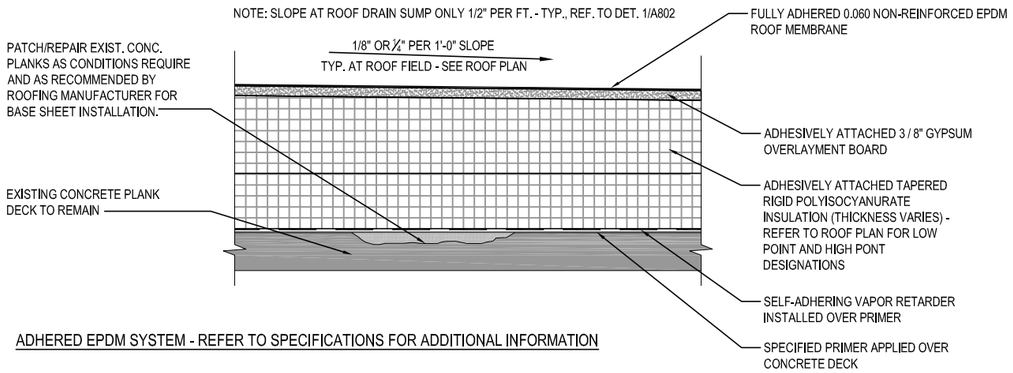
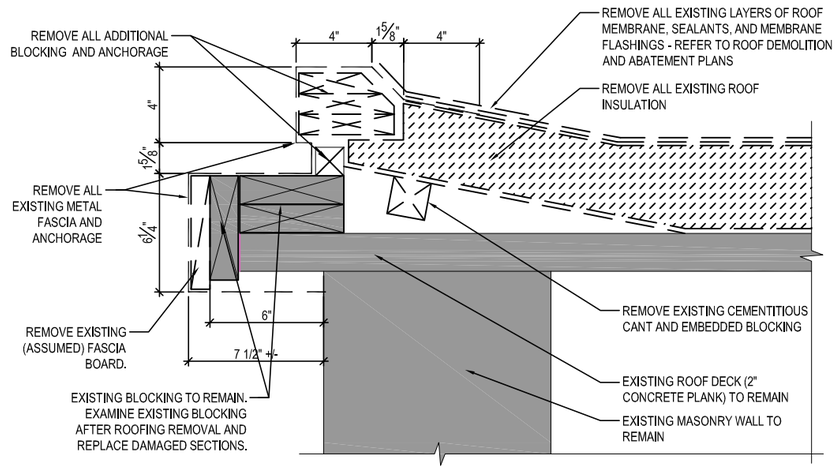
BUREAU DIRECTOR: J.L. MORRIS




ADHERED EPDM SYSTEM - REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION

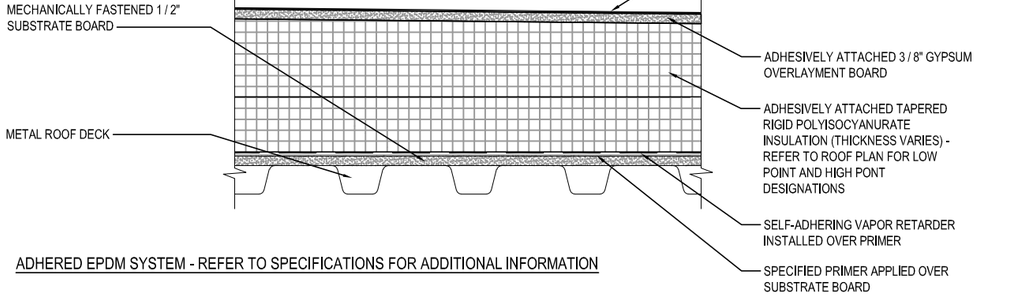
## 1 / A801 TYPICAL ROOF SYSTEM DETAIL - CONCRETE DECK

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




## 2 / A801 TYPICAL ROOF FASCIA REMOVAL DETAIL

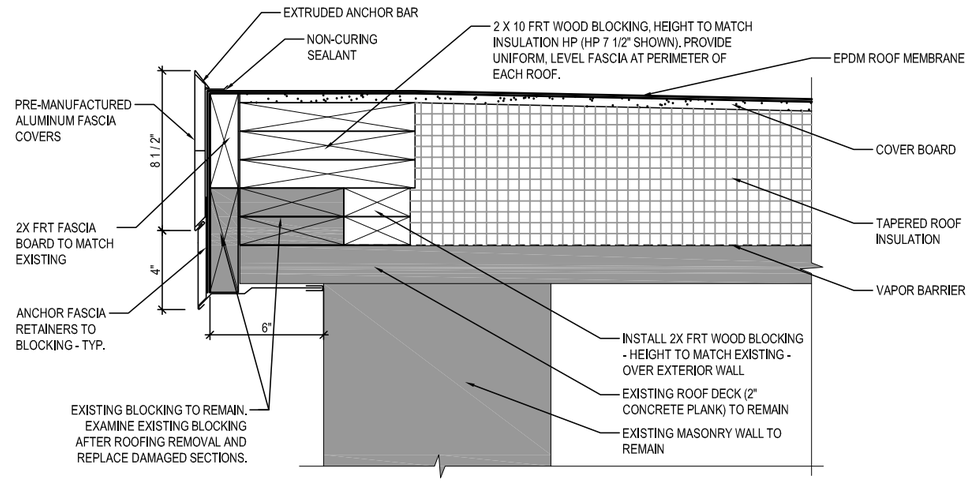
SCALE: 1 1/2" = 1'-0"




ADHERED EPDM SYSTEM - REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION

## 1A / A801 TYPICAL ROOF SYSTEM DETAIL - METAL DECK

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




## 3 / A801 TYPICAL NEW ROOF FASCIA DETAIL

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

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| LOCATION OF PROJECT: MANCHESTER MP 340.15 | DATE: 07/30/2025 |
| TITLE OF DRAWING: ROOF DETAILS | DRAWING NUMBER: A801 |

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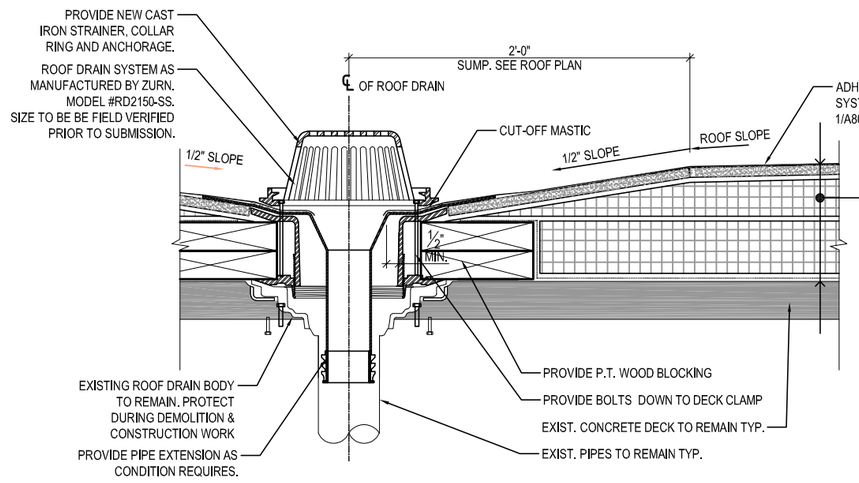
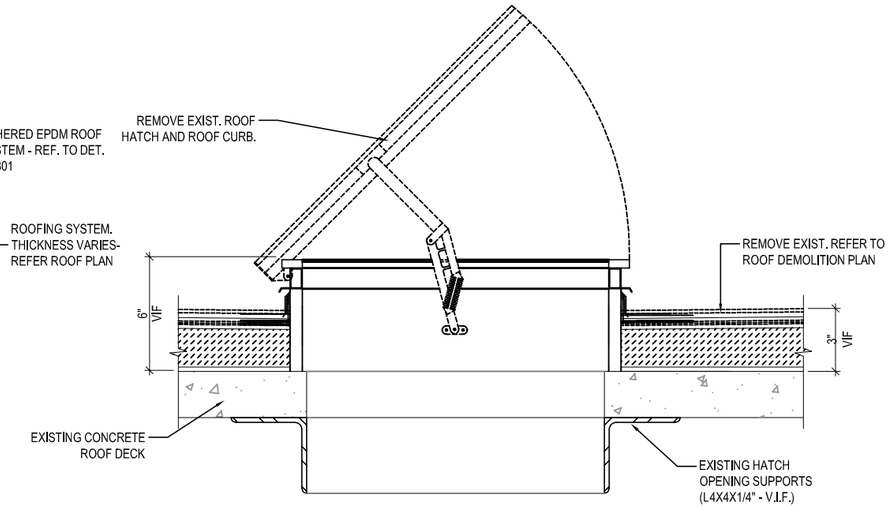
DESIGNED BY: XXX
CHECKED BY: XXX
BUREAU DIRECTOR: J.L. MORRIS




## 1 A802 TYP. ROOF DRAIN FLASHING AND RETROFITTING DETAIL

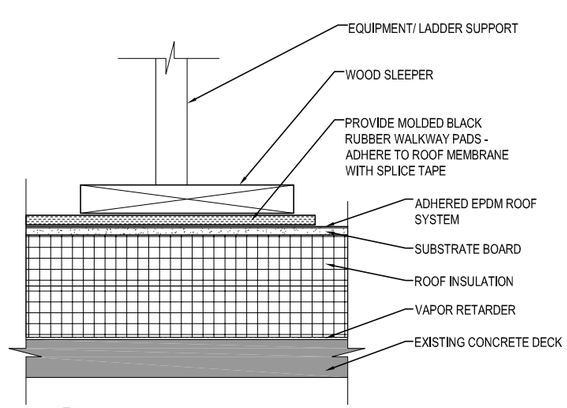
SCALE: 1 1/2" = 1'-0"

NOTE: NEW ROOF DRAIN DETAIL SIMILAR.



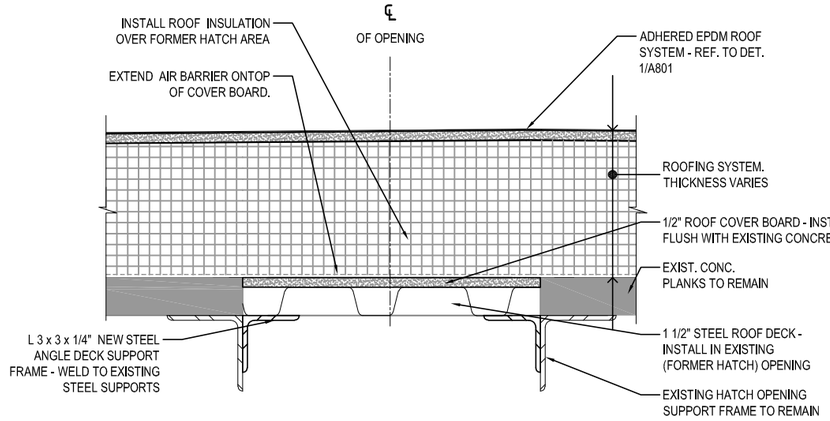

## 2 A802 EXISTING ROOF HATCH REMOVAL SECTION

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



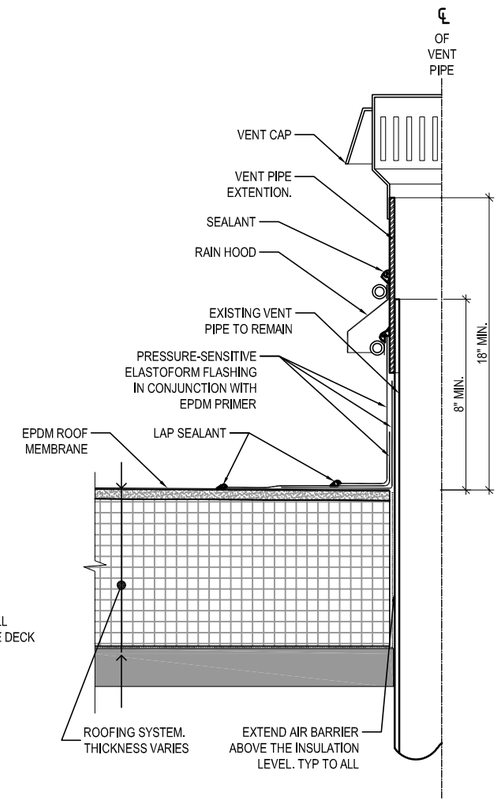

## 5 A802 ROOF WALKWAY DETAIL

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




## 3 A802 ROOF HATCH ENCLOSURE

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




## 4 A802 TYP. ROOF VENT FLASHING AND EXTENSION DETAIL

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

NOTE: FLASHING SIMILAR FOR HOT VENT AND PLUMBING VENT THROUGH ROOF/ AS RECOMMENDED BY ROOF MANUFACTURER

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| LOCATION OF PROJECT: MANCHESTER MP 340.15 | DATE: 07/30/2025 |
| TITLE OF DRAWING: ROOF DETAILS | DRAWING NUMBER: A802 |

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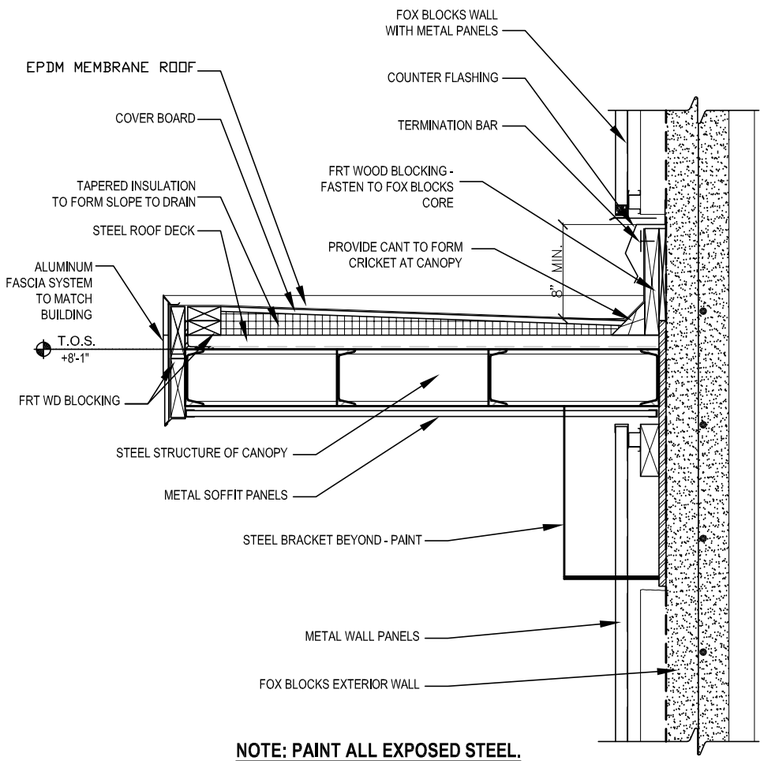
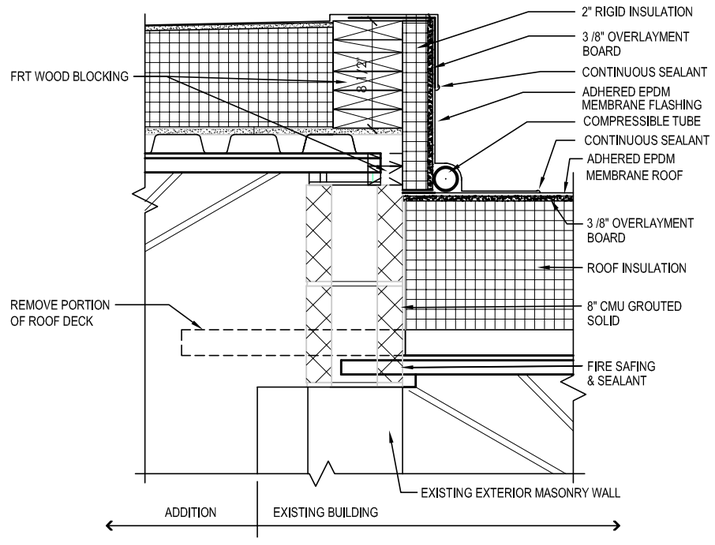
DESIGNED BY: XXX
BUREAU DIRECTOR: J.L. MORRIS

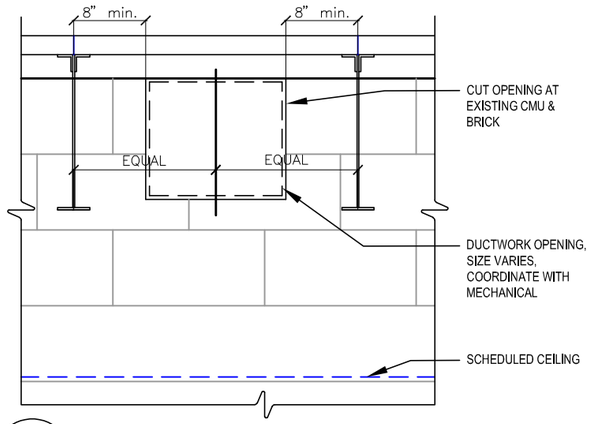



NOTE: PAINT ALL EXPOSED STEEL.

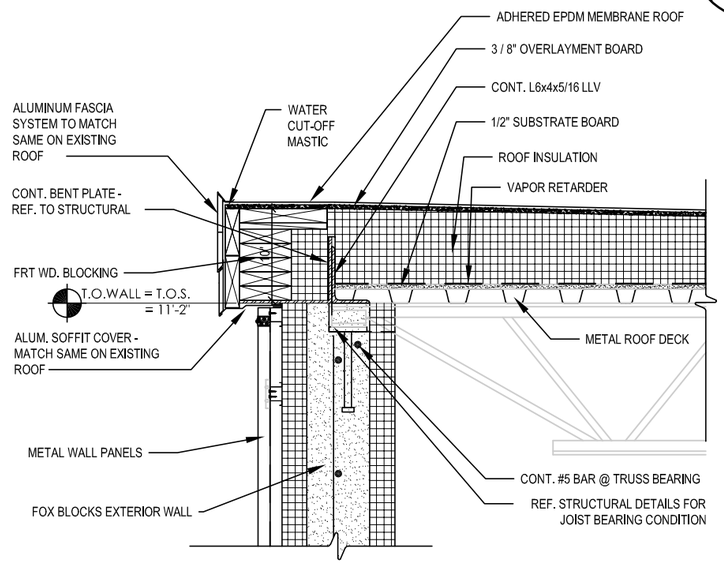
**1 / A803 CANOPY SECTION**
SCALE: 3/4" = 1'-0"



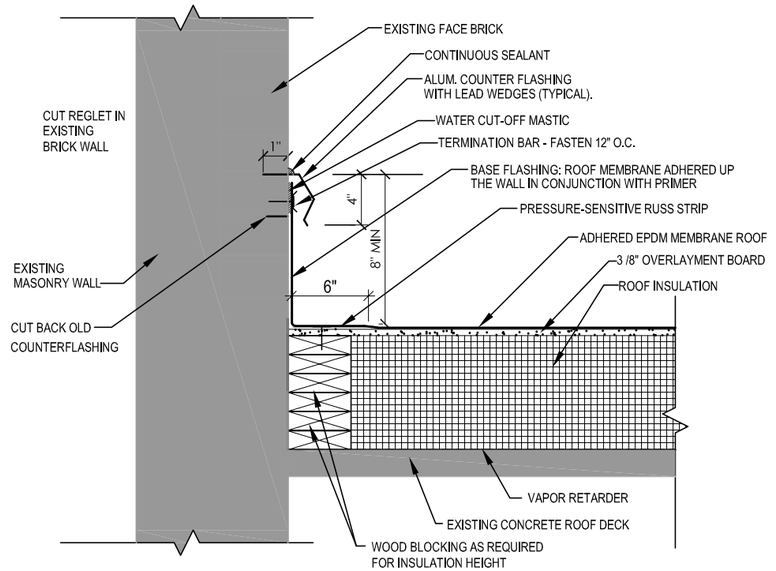

**2 / A803 EXPANSION JOINT DETAIL**
SCALE: 1" = 1'-0"




**5 / A803 WALL OPENING**
SCALE: 3/4" = 1'-0"




**3 / A803 NEW ROOF EDGE DETAIL**
SCALE: 3/4" = 1'-0"




**4 / A803 FLASHING DETAIL**
SCALE: 1" = 1'-0"

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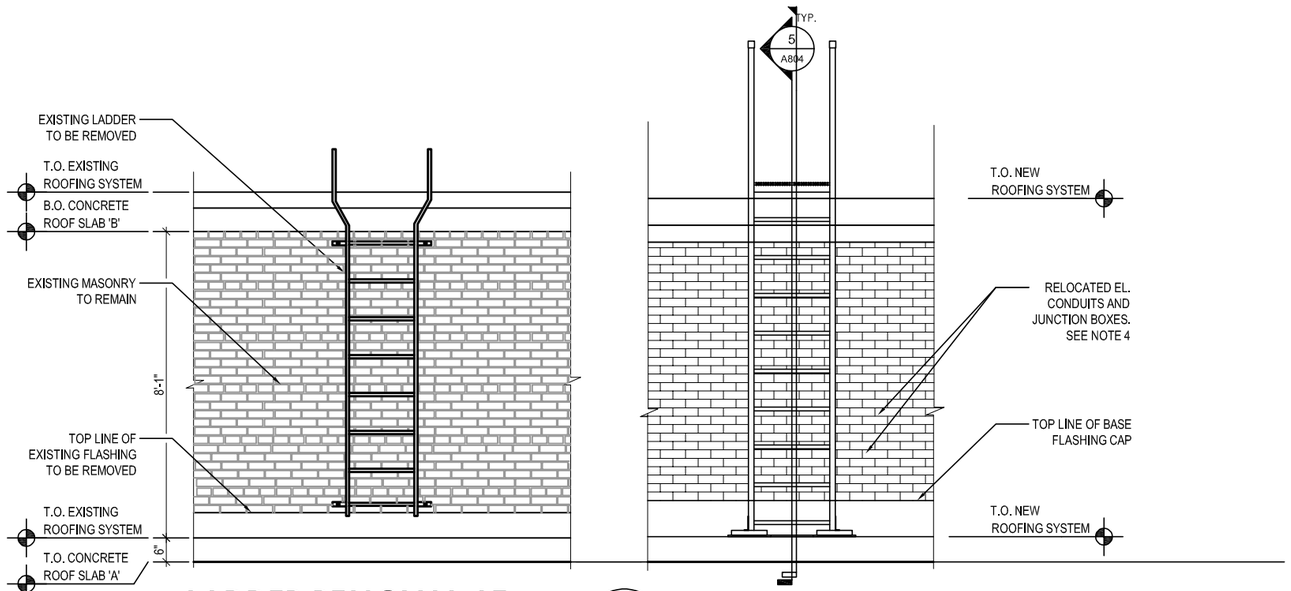
| LOCATION OF PROJECT: MANCHESTER MP 340.15 | DATE: 07/30/2025 |
| TITLE OF DRAWING: ROOF DETAILS | DRAWING NUMBER: A803 |

BUREAU DIRECTOR: J.L MORRIS
DESIGNED BY: XXX
DRAFTED BY: XXX
CHECKED BY: XXX
TA NUMBER/DWGS/DWG NUMBER

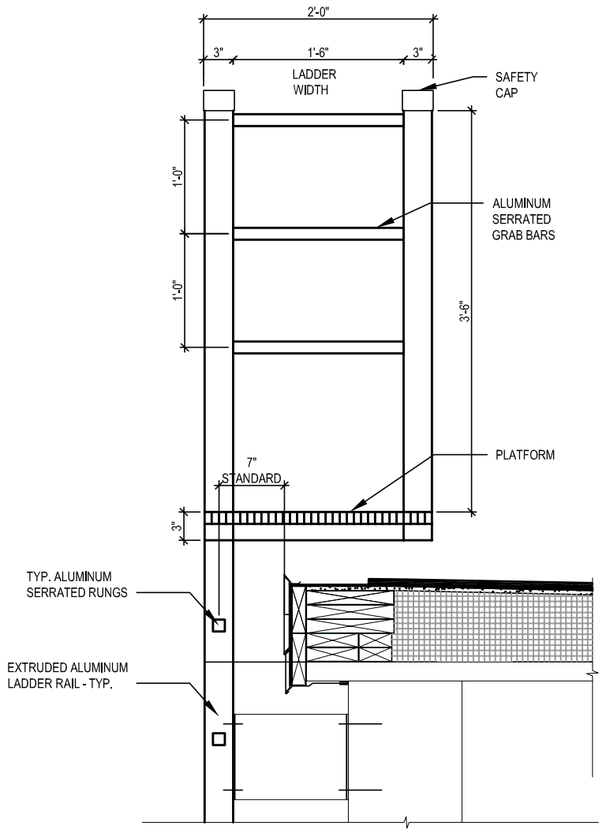



## 1 A804 LADDER REMOVAL AT EAST FACADE

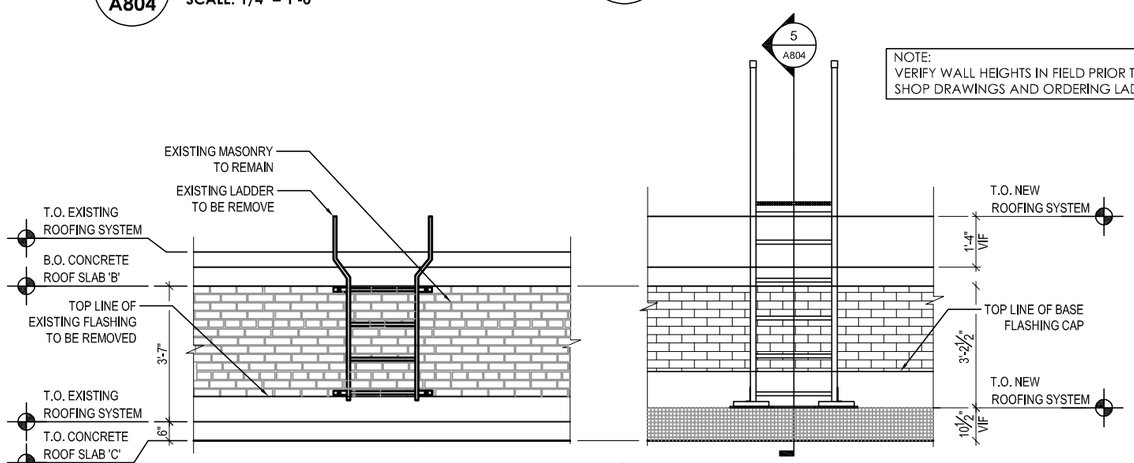
SCALE: 1/4" = 1'-0"

## 2 A804 LADDER ELEVATION AT EAST FACADE

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




NOTE:
VERIFY WALL HEIGHTS IN FIELD PRIOR TO PROVIDING SHOP DRAWINGS AND ORDERING LADDERS.

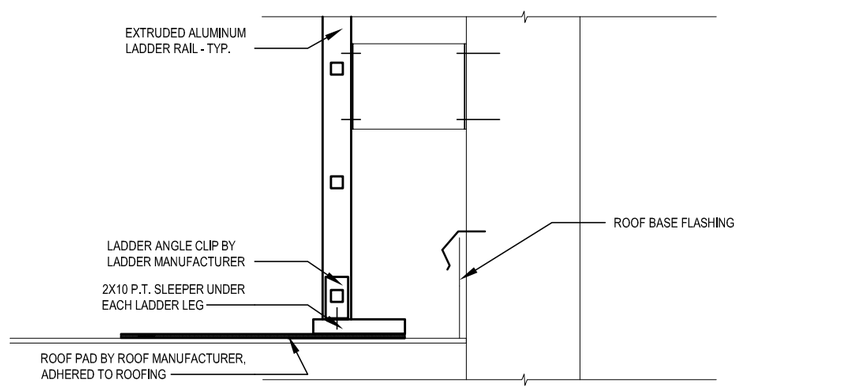



## 3 A804 LADDER REMOVAL AT WEST FACADE

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

## 4 A804 LADDER ELEVATION AT WEST FACADE

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




## 5 A804 SECTION THROUGH EAST/WEST LADDER

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

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| LOCATION OF PROJECT: MANCHESTER MP 340.15 | DATE: 07/30/2025 |
| TITLE OF DRAWING: ROOF LADDERS DETAILS | DRAWING NUMBER: A804 |

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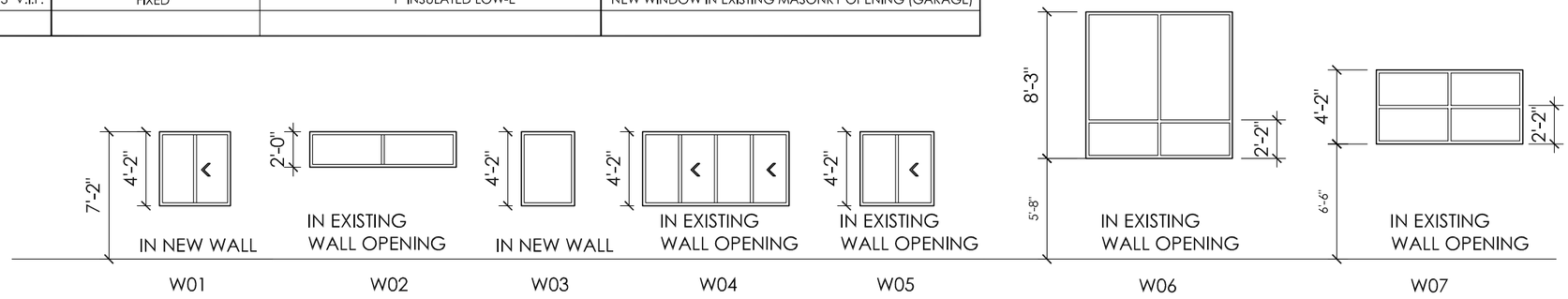
DESIGNED BY: XXX
CHECKED BY: XXX
BUREAU DIRECTOR: J.L. MORRIS

## WINDOW SCHEDULE

| TYPE | UNIT SIZE | | MATERIAL | ROUGH OPENING | | GLAZING | | REMARKS |
|---|---|---|---|---|---|---|---|---|
| | WIDTH | HEIGHT | | WIDTH | HEIGHT | TYPE | THICKNESS | |
| W01 | 4'-0" | 4'-2" | ALUMINUM | 4'-1" | 4'-3" | SLIDING | 1" INSULATED LOW-E | NEW WINDOW IN ADDITION |
| W02 | 8'-3" +/- | 2'-0" | ALUMINUM | 8'-3" V.I.F. | 2'-1" | FIXED | 1" INSULATED LOW-E | NEW WINDOW IN EXISTING MASONRY OPENING WIDTH. |
| W03 | 3'-0" | 4'-2" | ALUMINUM | 3'-1" | 4'-3" | FIXED | 1" INSULATED LOW-E | NEW WINDOW IN ADDITION |
| W04 | 8'-3" +/- | 4'-2" | ALUMINUM | 8'-3" V.I.F. | 4'-3" V.I.F. | SLIDING | 1" INSULATED LOW-E | NEW WINDOW IN EXISTING MASONRY OPENING (OFFICE) |
| W05 | 4'-2" +/- | 4'-2" +/- | ALUMINUM | 4'-2" V.I.F. | 4'-3" V.I.F. | SLIDING | 1" INSULATED LOW-E | NEW WINDOW IN EXISTING MASONRY OPENING (OFFICE) |
| W06 | 8'-3" +/- | 8'-3" +/- | ALUMINUM | 8'-3" V.I.F. | 8'-3" V.I.F. | FIXED | 1" INSULATED LOW-E | NEW WINDOW IN EXISTING MASONRY OPENING (GARAGE) |
| W07 | 8'-3" +/- | 4'-2" +/- | ALUMINUM | 8'-3" V.I.F. | 4'-3" V.I.F. | FIXED | 1" INSULATED LOW-E | NEW WINDOW IN EXISTING MASONRY OPENING (GARAGE) |
| | | | | | | | | |

NOTES:

- VERIFY IN FIELD ALL ROUGH OPENINGS - NEW AND EXISTING - PRIOR TO ORDERING WINDOWS.
- REFER TO EXISTING WINDOW REPLACEMENT NOTES ON DRAWING GN-2
- VERIFY ROUGH OPENING TO UNIT SIZE REQUIREMENTS WITH WINDOW MANUFACTURER.




**WINDOW TYPES**

NOTE: GLASS IN WINDOWS TO BE I-2

## DOOR SCHEDULE

| DOOR NO. | SIZE | | | TYPE | MATERIAL / FINISH | UNDERCUT | LABEL RATING | FRAMES | | | | | | THRESHOLD | GLASS TYPE | HARDWARE | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | WIDTH | HEIGHT | TH. | | | | | OVERALL SIZE | | | TYPE | HEAD/JAMB DETAIL NUMBERS | MATERIAL / FINISH | | | | |
| | | | | | | | | WIDTH | HEIGHT | DEPTH | | | | | | | |
| 00-1 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | PAINT EXISTING DOOR & FRAME |
| 01A-1 | 3'-0" | 7'-0" | 1 3/4" | D1 | EXT. HM-PT | - | - | 3'-4" | 7'-2" | 5 3/4" | F1 | 2/A800 | HM/PT | ALUM. 8/A800 | I-1 | 1 | REVISE OPENING IN EXISTING MASONRY, PROVIDE NEW STEEL LINTEL, PAINT LINTEL, COORDINATE ACCESS CONTROL WITH OWNER. |
| 03-1 | 3'-0" | 7'-0" | 1 3/4" | D2 | HM-PT | - | - | 3'-4" | 7'-2" | 5 3/4" | F1 | 2/A800 | HM/PT | MARBLE | - | 2 | |
| 04-1 | 3'-0" | 7'-0" | 1 3/4" | D2 | HM-PT | - | - | 3'-4" | 7'-2" | 5 3/4" | F1 | 1/A800 | HM/PT | MARBLE | - | 2 | |
| 05-1 | 3'-0" | 7'-0" | 1 3/4" | D1 | EXT. HM-PT | - | - | 3'-4" | 7'-2" | 5 3/4" | F1 | 3/A800 | HM/PT | ALUM. 8/A800 | I-1 | 1 | COORDINATE ACCESS CONTROL WITH OWNER. |
| 05-2 | 3'-0" | 7'-0" | 1 3/4" | D1 | EXT. HM-PT | - | - | 3'-4" | 7'-2" | 5 3/4" | F1 | 3/A800 | HM/PT | ALUM. 8/A800 | I-1 | 1 | COORDINATE ACCESS CONTROL WITH OWNER. |
| 05-3 | 3'-0" | 7'-0" | 1 3/4" | D1 | HM-PT | - | - | 3'-4" | 7'-2" | 5 3/4" | F1 | 1/A800 | HM/PT | TRANSITION STRIP | S-1 | 3 | |
| | | | | | | | | | | | | | | | | | |
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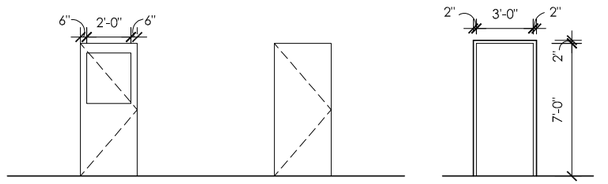
NOTE:
REFER TO SPECIFICATION SECTION 87100 FOR HARDWARE SETS




**DOOR TYPES** **FRAME TYPES**

GLASS TYPES:

| | |
|---|---|
| I-1 | 1" INSULATED SAFETY GLASS |
| I-2 | 1" INSULATED LOW-E GLASS |
| S-1 | 1/4" SAFETY GLASS |

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NEW YORK STATE OF OPPORTUNITY. Thruway Authority

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| TITLE OF PROJECT: ADDITIONS TO MAINTENANCE SECTION | CONTRACT NUMBER: TAS 25-9A |
| LOCATION OF PROJECT: MANCHESTER MP 340.15 | DATE: 07/30/2025 |
| TITLE OF DRAWING: DOOR AND WINDOW SCHEDULES | DRAWING NUMBER: A900 |

TA NUMBER/DWGS/DWG NUMBER
DRAFTED BY: XXX
DESIGNED BY: XXX
CHECKED BY: XXX
BUREAU DIRECTOR: J.L MORRIS

## HVAC ABBREVIATIONS

| | | | |
|---|---|---|---|
| A/C | AIR CONDITIONING | HVAC | HEATING, VENTILATING, AIR CONDITIONING |
| AD | ACCESS DOOR | HX | HEAT EXCHANGER |
| AFF | ABOVE FINISH FLOOR | HZ | HERTZ |
| AFR | ABOVE FINISH ROOF | | |
| AHU | AIR HANDLING UNIT | IN | INCH(ES) |
| BDD | BACK DRAFT DAMPER | KW | KILOWATT |
| BHP | BRAKE HORSE POWER | | |
| BMS | BUILDING MANAGEMENT SYSTEM | LAT | LEAVING AIR TEMPERATURE |
| BOD | BOTTOM OF DUCT | LDB | LEAVING DRY BULB TEMPERATURE |
| BTU | BRITISH THERMAL UNIT | LWB | LEAVING WET BULB TEMPERATURE |
| | | LWT | LEAVING WATER TEMPERATURE |
| CFM | CUBIC FEET PER MINUTE | | |
| CO | CLEAN OUT | MAU | MAKEUP AIR UNIT |
| CO2 | CARBON DIOXIDE | MAX | MAXIMUM |
| COND | CONDENSATE | MBH | THOUSAND BTU'S PER HOUR |
| CP | CONDENSATE PUMP | MCA | MINIMUM CIRCUIT AMPS |
| CUH | CABINET UNIT HEATER | MIN | MINIMUM |
| CV | CONTROL VALVE | MOCP | MAXIMUM OVER CURRENT PROTECTION |
| DB | DRY BULB | NC | NORMALLY CLOSED |
| DCV | DEMAND CONTROL VENTILATION | NIC | NOT IN CONTRACT |
| DDC | DIRECT DIGITAL CONTROL | NO | NORMALLY OPEN |
| DIA | DIAMETER | NTS | NOT TO SCALE |
| DN | DOWN | | |
| DX | DIRECT EXPANSION | OA | OUTDOOR AIR |
| | | OAT | OUTDOOR AIR TEMPERATURE |
| EA | EXHAUST AIR | OED | OPEN-ENDED DUCT |
| EAT | ENTERING AIR TEMPERATURE | OS | OCCUPANCY SENSOR |
| EDB | ENTERING DRY BULB TEMPERATURE | | |
| EER | ENERGY EFFICIENCY RATIO | PH | PHASE |
| EF | EXHAUST FAN | PPM | PARTS PER MILLION |
| ERP | ELECTRIC RADIANT PANEL | PSI | POUNDS PER SQUARE INCH |
| ERV | ENERGY RECOVERY VENTILATOR | | |
| ESP | EXTERNAL STATIC PRESSURE | QTY | QUANTITY |
| ETR | EXISTING TO REMAIN | | |
| EWB | ENTERING WET BULB TEMPERATURE | RA | RETURN AIR |
| EWT | ENTERING WATER TEMPERATURE | RTU | ROOF TOP UNIT |
| EX | EXISTING | | |
| | | SA | SUPPLY AIR |
| F | FAHRENHEIT | SD | SMOKE DAMPER |
| FCU | FAN COIL UNIT | SP | STATIC PRESSURE |
| FD | FIRE DAMPER | SS | STAINLESS STEEL |
| FLA | FULL LOAD AMPS | | |
| FPM | FEET PER MINUTE | TA | TRANSFER AIR |
| FSD | FIRE/SMOKE DAMPER | TC | TEMPERATURE CONTROL |
| FT | FEET | TYP | TYPICAL |
| G | GAS | V | VOLT/VOLTAGE |
| GA | GAUGE/GAGE (THICKNESS) | VAV | VARIABLE AIR VOLUME |
| GAL | GALLONS | VD | VOLUME DAMPER |
| GPM | GALLONS PER MINUTE | VFD | VARIABLE FREQUENCY DRIVE |
| HP | HORSEPOWER | W | WATTS |
| | | WB | WET BULB |
| | | WC | WATER COLUMN |

## HVAC DUCTWORK SYMBOLS

| | |
|---|---|
| | DUCTWORK |
| | EXISTING DUCTWORK TO REMAIN |
| | DUCTWORK TO BE REMOVED |
| | EQUIPMENT |
| | EXISTING EQUIPMENT TO REMAIN |
| | EXISTING EQUIPMENT TO BE REMOVED |
| 20X12SA | DUCT SIZE & TYPE |
| | TRANSITION, CONCENTRIC |
| | TRANSITION, ECCENTRIC |
| | DUCT SECTION, POSITIVE PRESSURE |
| | DUCT SECTION, NEGATIVE PRESSURE |
| | POSITIVE PRESSURE DUCT THRU FLOOR OR ROOF |
| | NEGATIVE PRESSURE DUCT THRU FLOOR OR ROOF |
| | MITERED ELBOW |
| | RADIUSED ELBOW |
| AD | ACCESS DOOR, SIDE OR BOTTOM |
| | DUCT CAP |
| | FLEXIBLE DUCT CONNECTION |
| | POSITIVE PRESSURE DUCT DOWN |
| | NEGATIVE PRESSURE DUCT DOWN |
| | DUCT BREAK |
| FDx | FIRE DAMPER, "X" DENOTES RATING 1=1.5HR, 3=3HR |
| SD | SMOKE DAMPER |
| FSDx | FIRE-SMOKE DAMPER, "X" DENOTES RATING 1=1.5HR, 3=3HR |
| MD | MOTORIZED AIR DAMPER, ELECTRIC OR PNEUMATIC |
| VD | MANUAL VOLUME DAMPER |
| TAG / CFM | SUPPLY, DIFFUSER/GRILLE/REGISTER IDENTIFICATION |
| TAG / CFM | RETURN/EXHAUST, GRILLE OR REGISTER IDENTIFICATION |

## HVAC REFERENCE SYMBOLS

| | |
|---|---|
| | CONNECT NEW TO EXISTING |
| | TERMINATION POINT OF DEMOLITION |
| # | KEYED NOTE - EXISTING TO REMAIN |
| # | KEYED NOTE - NEW CONSTRUCTION |
| # | KEYED NOTE - DEMOLITION/REMOVAL |
| # | KEYED NOTE - REVISION |
| SP | DUCT MOUNTED STATIC PRESSURE SENSOR INTERFACED WITH SUPPLY FAN'S VFD |
| CO2 | WALL MOUNTED CARBON DIOXIDE SENSOR FOR DCV |
| T | REMOTE THERMOSTAT/TEMPERATURE SENSOR |

## HVAC GENERAL NOTES

A. CONTRACTOR IS RESPONSIBLE FOR PROPER FIELD FITTING AND QUANTITY OF WORK. CONTRACTOR SHALL TAKE FIELD MEASUREMENTS AS REQUIRED AND BE RESPONSIBLE FOR FITTING NEW CONSTRUCTION TO EXISTING CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE TO REPAIR ANY EXISTING CONDITIONS DISTURBED OR DAMAGED DURING CONSTRUCTION (TO MATCH EXISTING). REPAIRED WORK SHALL BE REVIEWED & APPROVED BY ARCHITECT AND ENGINEER OF RECORD.

B. CONTRACTOR IS RESPONSIBLE FOR SITE INVESTIGATION PRIOR TO START OF WORK TO REVEAL EXISTING CONDITIONS.

C. CONTRACTOR SHALL EXAMINE ALL DRAWINGS AND SPECIFICATIONS AND COORDINATE WORK WITH ALL OTHER TRADES.

D. PROVIDE ALL CUTTING, PATCHING AND FIRE STOPPING REQUIRED TO ACCOMPLISH WORK SHOWN. PATCH AND SEAL OPENINGS TO MATCH ADJACENT EXISTING WALLS, FLOORS, CEILINGS, ETC. UNLESS OTHERWISE INDICATED. CONCEAL ALL WORK IN FINISHED AREAS UNLESS OTHERWISE INDICATED OR DIRECTED BY THE ARCHITECT AND ENGINEER OF RECORD.

E. CONTRACTOR SHALL FIELD VERIFY ALL LOCATIONS, DIMENSIONS AND EXISTING CONDITIONS (PIPING, DUCTWORK, EQUIPMENT, STRUCTURAL ELEMENTS, ETC.) PRIOR TO STARTING WORK. CONTRACTOR SHALL COORDINATE INSTALLATION OF EQUIPMENT AND DUCTWORK WITH EXISTING CONDITIONS AND OTHER TRADES. PROVIDE FITTINGS, TRANSITIONS, OFFSETS, ELEVATION CHANGES, ETC. TO MINIMIZE CONFLICTS WITH EXISTING CONDITIONS.

F. CONTRACTOR SHALL COORDINATE CONNECTIONS TO ALL MECHANICAL EQUIPMENT, DUCTWORK, AIR OUTLET, AND ACCESSORY.

G. DRAWINGS ARE SCHEMATIC, AND SERVE TO INDICATE THE TYPE AND LOCATION OF MAJOR PIECES OF EQUIPMENT. THIS CONTRACTOR SHALL PROVIDE AND INSTALL ALL MATERIALS, EQUIPMENT, AND LABOR NECESSARY FOR A COMPLETE INSTALLATION PER DESIGN INTENT. ADJUST THE LOCATION OF ALL DUCTWORK, WIRING, EQUIPMENT, AND CONNECTIONS TO ACCOMMODATE ACTUAL CONSTRUCTION CONDITIONS ENCOUNTERED; OBTAIN APPROVAL FROM THE ENGINEER FOR ALL CHANGES. IN ALL CASES EQUIPMENT AND DEVICES SHALL BE FULLY ACCESSIBLE AND MAINTAINABLE PER MANUFACTURER'S GUIDELINES & MAINTENANCE REQUREMENTS.

H. INSTALL ALL EQUIPMENT AND SYSTEMS IN COMPLETE COMPLIANCE WITH 2020 NYSBC, 2020 NYSMC, 2020 NYSECCC, MANUFACTURERS INSTALLATION INSTRUCTIONS, AND SPECIFICATIONS.

I. ALL PHYSICAL ATTRIBUTES OF EQUIPMENT AND DEVICES ARE BASED ON THOSE MANUFACTURERS LISTED IN THE SPECIFICATIONS AND/OR THE EQUIPMENT SCHEDULES. THE RESPECTIVE CONTRACTORS ARE RESPONSIBLE FOR ALL CHANGES AND ASSOCIATED COSTS BROUGHT ABOUT BY THE USE OF ITEMS BY OTHER MANUFACTURERS. THE ARCHITECT/ENGINEER HAS RESERVED THE RIGHT TO REJECT ITEMS BY OTHER MANUFACTURERS FOR REASONS INCLUDING, BUT NOT LIMITED TO, THOSE ITEMS NOT MATCHING THE PHYSICAL ATTRIBUTES OF THE MANUFACTURERS LISTED.

J. THE EXISTING MECHANICAL SYSTEMS, OR PORTIONS THEREOF, SHALL REMAIN IN SERVICE THROUGHOUT CONSTRUCTION. ALL SYSTEM INSTALLATIONS AND EXISTING SYSTEM DEMOLITION SHALL BE COORDINATED TO MINIMIZE SYSTEM DOWNTIME.

K. PROVIDE ANY AND ALL NECESSARY TEMPORARY SERVICES TO ADEQUATELY CONDITION THE BUILDING DURING ALL PHASES OF CONSTRUCTION. SCHEDULE SYSTEMS SHUTDOWNS WITH OWNER, SYSTEM SHUTDOWNS SHALL NOT INTERFERE WITH BUILDING OPERATIONS.

L. COORDINATE DUCT INSTALLATION WITH ELECTRICAL DEVICES. DO NOT INSTALL PIPING OR DUCTWORK IN PROHIBITED LOCATIONS SUCH AS ABOVE ELECTRICAL PANELS, WITHIN HIGH VOLTAGE ROOMS, ETC. COMPLY WITH NEC REQUIREMENTS.

M. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN DRAWINGS FOR DIFFUSER AND REGISTER LOCATIONS WITH RESPECT TO OTHER ELEMENTS.

N. CAP ALL EXISTING DUCT OPENINGS AIRTIGHT CREATED BY REMOVALS WORK. THIS APPLIES TO THOSE ITEMS NOT IDENTIFIED FOR REUSE.

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CHECKED BY: SBZ
DESIGNED BY:
CHECKED BY:
BUREAU DIRECTOR: J.L. MORRIS

| ALTERED ON: | AFFIXED ON: 07/30/2025 |
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| SIGNATURE: STAMP: | SIGNATURE: STAMP: STATE OF NEW YORK · ANDREW SEAN TAYLOR · 081132 · LICENSED PROFESSIONAL ENGINEER · EXCELSIOR |
| | EXP. DATE 04/30/2027 |

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NEW YORK STATE OF OPPORTUNITY. Thruway Authority

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|---|---|
| TITLE OF PROJECT: ADDITIONS TO MAINTENANCE SECTION | CONTRACT NUMBER: TAS 25-9A |
| LOCATION OF PROJECT: MANCHESTER MP 340.15 | DATE: 07/30/2025 |
| TITLE OF DRAWING: MECHANICAL SYMBOLS & ABBREVIATIONS | DRAWING NUMBER: MG100 |

## HEATING VENTILATING AND AIR CONDITIONING UNIT [1/2]

| TAG | MANUFACTURER | MODEL | REFRIGERANT | EER | SUPPLY FAN | | | | | | | | EXHAUST FAN | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | TOTAL (CFM) | DESIGNED MIN./MAX. O.A. (CFM) | ESP (in wg) | TSP (in wg) | DRIVE TYPE | FAN QTY. | HP (ea) | FAN RPM | TOTAL (CFM) | ESP (in wg) | TSP (in wg) | DRIVE TYPE | FAN QTY. | HP (ea) | FAN RPM |
| HVAC-1 | AAON | RN-007-3-0-GAAY-V0-21-000-A | R-454B | 12.6 | 2300 | 520 / 720 | 1.25 | 2.12 | VFD | 1 | 2.0 | 1465 | 2300 | 0.25 | 0.67 | VFD | 1 | 1.0 | 1416 |

## HEATING VENTILATING AND AIR CONDITIONING UNIT [2/2]

| HEAT PUMP COOLING | | | | | | | ENERGY RECOVERY WHEEL | | | | | | | NATURAL GAS HEATING | | | | | | ELECTRICAL | | | | | | WEIGHT (LBS.) | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | WINTER | | | SUMMER | | | | | | | | | | | | | | | | | | |
| TOTAL CAPACITY (MBH) | SENSIBLE CAPACITY (MBH) | ROWS | EAT (db/wb) | UNIT LAT (db/wb) | % RH | COMPRESSORS (QTY), TYPE | EAT DB | LAT DB | TOTAL EFF. (%) | EAT DB | EAT WB | LAT DB | LAT WB | TOTAL EFF. (%) | MIN. PRESSURE | MAX. PRESSURE | INPUT CAPACITY (MBH) | OUTPUT CAPACITY (MBH) | EAT (db/wb) | LAT (db/wb) | VOLTS | PH | HZ | FLA | MCA | MOCP | | |
| 70.0 | 53.4 | 2 | 75.7/62.8 | 55.6/52.5 | 41.7 | 1, VARIABLE CAPACITY SCROLL | 0.0 | 56.9 | 80.7 | 89.0 | 73.0 | 77.3 | 64.4 | 78.8 | 6" W.C. | 10.5" W.C. | 90.0 | 51.5 | 65.9/52.6 | 75.0/60.1 | 208 | 3 | 60 | 39 | 45 | 60 | 1550 | 1-8 |

NOTES:

1. PROVIDE A UNIT CURB FOR THE HORIZONTAL SUPPLY AND RETURN DUCTWORK CONNECTIONS. THE UNIT CURB/PLENUM SHALL BE BY MGM PRODUCTS, INC. "AAON RN A W/EWR, 22" TALL PLENUM FRC W/ PAD MOUNT" - 16 GAUGE G90 CONSTRUCTION, 1" FOIL FACED RIGID INSULATION, GASKETING, 1X4 WOOD NAILER, MECHANICAL CONTRACTOR TO IDENTIFY THE EXACT LOCATION ON THE SIDE OF THE CURB AND CUT THE CURB/PLENUM FOR DUCTWORK CONNECTIONS.
2. PROVIDE MERV-8 PRE-FILTERS AND MERV-13 FINAL FILTERS.
3. PROVIDE A CLOGGED FILTER SWITCH, STANDARD WARRANTY, 5-YEAR COMPRESSORS WARRANTY.
4. PROVIDE FACTORY INSTALLED VFD PER FAN/MOTOR. MOTORS SHALL BE HIGH EFFICIENCY OPEN MOTORS.
5. PROVIDE AIRSIDE ECONOMIZER, ENERGY RECOVERY, BYPASS DAMPER, BAROMETRIC RELIEF EXHAUST AIR DAMPER, FULLY MODULATING ACTUATOR FOR OUTSIDE AIR CONTROL-ENTHALPY LIMIT, POLYMER ENERGY RECOVERY WHEEL, LOW CFM ENTHALPY.
6. PROVIDE SUPPLY DAN WITH DIRECT DRIVE BACKWARD CURVED ALUMINUM AND EXHAUST FAN WITH BACKWARD CURVED ALUMINUM.
7. PROVIDE MODULATING HOT GAS REHEAT MICROCHANNEL COIL, SINGLE POINT POWER-NON-FUSED DISCONNECT POWER SWITCH, REMOTE SAFETY SHUTDOWN TERMINALS, PHASE & BROWN OUT PROTECTION, VAV UNIT CONTROLLER, AAON CONTROLS, BACNET IP, OUTSIDE AIR HOOD, BASE INSULATION, FACTORY WIRED 115 V CONVENIENCE OUTLET, ETL USA LISTING,ECM CONDENSER FAN HEAD PRESSURE CONTROL, ENERGY RECOVERY WHEEL DEFROST - START/STOP, SCCR (10KA), GALVANIZED CABINET - DOUBLE WALL, + R-13 FOAM INSULATION, AND PREMIUM AAON GRAY EXTERIOR PAINT.
8. PROVIDE A NATURAL GAS FURNACE WITH A TOTAL TURNDOWN RATIO OF 10.0:1 AND 81% EFFICIENCY. THE GAS FURNACE SHALL HAVE STAINLESS STEEL HEAT EXCHANGER.

## VAV SCHEDULE

| TAG | LOCATION | SERVICE | MANUFACTURER | MODEL | SIZE | | CFM | | STATIC PRESSURE | | | NC LEVEL | | ELECTRIC HEAT COIL | | | | | | ELECTRICAL | | UNIT INFORMATION | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | UNIT | OUTLET | MAX | MIN | INLET | DOWN | MIN | RAD. | DISTCH. | CFM | KW | VOLTS/PH./HZ | STEPS | EAT | LAT | MCA | MOP | HAND | |
| VAV-01 | BREAK ROOM - 05 | MEN'S LOCKER - 03 | TITUS | DESV | 06 | 12X8 | 330 | 85 | 1 | 0.25 | 0.09 | 22 | 23 | 330 | 1.5 | 208/1/60 | S | 75 | 89.4 | 9.0 | 15 | PER APPROVED SUBMITTAL | 1-7 |
| VAV-02 | BREAK ROOM - 05 | WOMAN'S LOCKER - 04 | TITUS | DESV | 04 | 12X8 | 160 | 40 | 1 | 0.25 | 0.05 | 23 | 32 | 160 | 1 | 208/1/60 | S | 75 | 94.8 | 6.0 | 15 | PER APPROVED SUBMITTAL | 1-7 |
| VAV-03 | BREAK ROOM - 05 | (E) OFFICE - 02 | TITUS | DESV | 04 | 12X8 | 135 | 35 | 1 | 0.25 | 0.04 | 20 | 31 | 135 | 1 | 208/1/60 | S | 75 | 98.4 | 6.0 | 15 | PER APPROVED SUBMITTAL | 1-7 |
| VAV-04 | BREAK ROOM - 05 | BREAK ROOM - 05 | TITUS | DESV | 12 | 16X15 | 1260 | 315 | 1 | 0.25 | 0.11 | 23 | 24 | 1260 | 6 | 208/1/60 | S | 75 | 90.0 | 36.1 | 40 | PER APPROVED SUBMITTAL | 1-7 |
| VAV-05 | BREAK ROOM - 05 | MECH. RM - 06, CORRIDOR - 01 | TITUS | DESV | 06 | 12X8 | 245 | 65 | 1 | 0.25 | 0.05 | 17 | 23 | 245 | 1.5 | 208/1/60 | S | 75 | 94.3 | 9.0 | 15 | PER APPROVED SUBMITTAL | 1-7 |
| VAV-06 | BREAK ROOM - 05 | (E) OFFICE - 02A | TITUS | DESV | 06 | 12X8 | 260 | 70 | 1 | 0.25 | 0.06 | 18 | 24 | 265 | 1.5 | 208/1/60 | S | 75 | 92.9 | 9.0 | 15 | PER APPROVED SUBMITTAL | 1-7 |

NOTES:

1. ALL VAV UNITS TO BE ASSOCIATED WITH HVAC-1
2. MECHANICAL CONTRACTOR SHALL PROVIDE ACOUSTICAL DUCT INSULATION FOR A MINIMUM OF 10 FT DOWNSTREAM OF EACH VAV OUTLET.
3. ALL CONTROL WIRING, RELAYS, MISCELLANEOUS CONTROL DEVICES SHALL BE PROVIDED BY THE MECHANICAL CONTRACTOR.
4. ALL VAV BOXES SHALL BE PRESSURE INDEPENDENT WITH DDC CONTROLS, 24V CONTROLS TRANSFORMER, SCR CONTROLLED ELECTRIC HEATER, 1/2" FIBERGLASS LINING, EXTENDED HOUSING, RJ-45 THERMOSTAT CABLES. DISCONNECT SWITCH, DOOR INTERLOCK TYPE, REMOVABLE CROSS FLOW AIR FLOW SENSOR, AUTOMATIC RESET THERMAL CUTOUTS, POSITIVE PRESSURE FLOW SWITCH, DUST TIGHT CONSTRUCTION AND HANGING BRACKETS.
5. CONTROLLER FURNISHED BY CONTROLS CONTRACTOR/MECHANICAL CONTRACTOR.
6. PROVIDE A REMOTE PROGRAMMABLE THERMOSTAT ON THE WALL FOR EACH VAV BOX. THE CENTERLINE OF THE THERMOSTAT FOR THE TEMPERATURE ADJUSTMENT BUTTON/SCREEN SHALL BE AT 4'-0" ABOVE FINISHED FLOOR. COLOR SHALL BE WHITE OR PER ARCHITECT'S APPROVED CUSTOM COLOR/DESIGN.
7. PROVIDE A REMOTE PROGRAMMABLE THERMOSTAT/ROOM SENSOR SHALL BE BY TITUS ALPHA BACNET CONTROLLER MODEL #BAC-8205 OR APPROVED EQUAL, POWERED BY CONNECTED CONTROLLER, COLOR SHALL BE WHITE OR PER ARCHITECT'S APPROVED CUSTOM COLOR/DESIGN. PROVIDE MOUNTING HARDWARE.

## DIFFUSER & GRILLE SCHEDULE

| TAG | APPLICATION | MATERIAL | COLOR | FEATURES | NECK SIZE | CFM RANGE | MAX NC | BASIS OF DESIGN | NOTES |
|---|---|---|---|---|---|---|---|---|---|
| SD-1 | SUPPLY AIR DIFFUSER | ALUMINUM | WHITE | 24"X24", SQUARE CEILING, PLAQUE FACE | 8" | 0-265 | 25 | PRICE SCDA | 1-5 |
| RG-1 | EXHAUST/RETURN GRILLE | ALUMINUM | WHITE | LOUVERED FACE, SURFACE MOUNT 45° DEFLECTION AT 1/2" SPACING, 12"X12" MIN. | DUCT SIZE | 0-450 | 25 | PRICE 635 | 1-5 |
| RG-2 | EXHAUST/RETURN GRILLE | ALUMINUM | WHITE | LOUVERED FACE, SURFACE MOUNT 45° DEFLECTION AT 1/2" SPACING, 24"X24" MIN. | DUCT SIZE | 451-650 | 25 | PRICE 635 | 1-5 |

NOTES:

1. 25 NC SHALL BE THE NOISE CRITERIA CURVE NOT TO BE EXCEEDED. ADJUSTMENT OF SELECTION MAY BE NECESSARY BASED ON MANUFACTURER.
2. PROVIDE A MANUAL VOLUME DAMPER (VD), OPPOSED BLADE DAMPER TYPE IN THE DUCTWORK FOR EACH SD-1, RG-1, AND RG-2.
3. REFER TO DIFFUSER/GRILLE TAG IN PLAN FOR NECK SIZE, CFM, ETC.
4. COLOR/FINISH AS SELECTED BY ARCHITECT.
5. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN DRAWINGS FOR DIFFUSER AND GRILLE LOCATIONS WITH RESPECT TO OTHER ELEMENTS.

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BUREAU DIRECTOR: J.L. MORRIS

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STATE OF NEW YORK
ANDREW SEAN TAYLOR
LICENSED PROFESSIONAL ENGINEER
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EXP. DATE 04/30/2027

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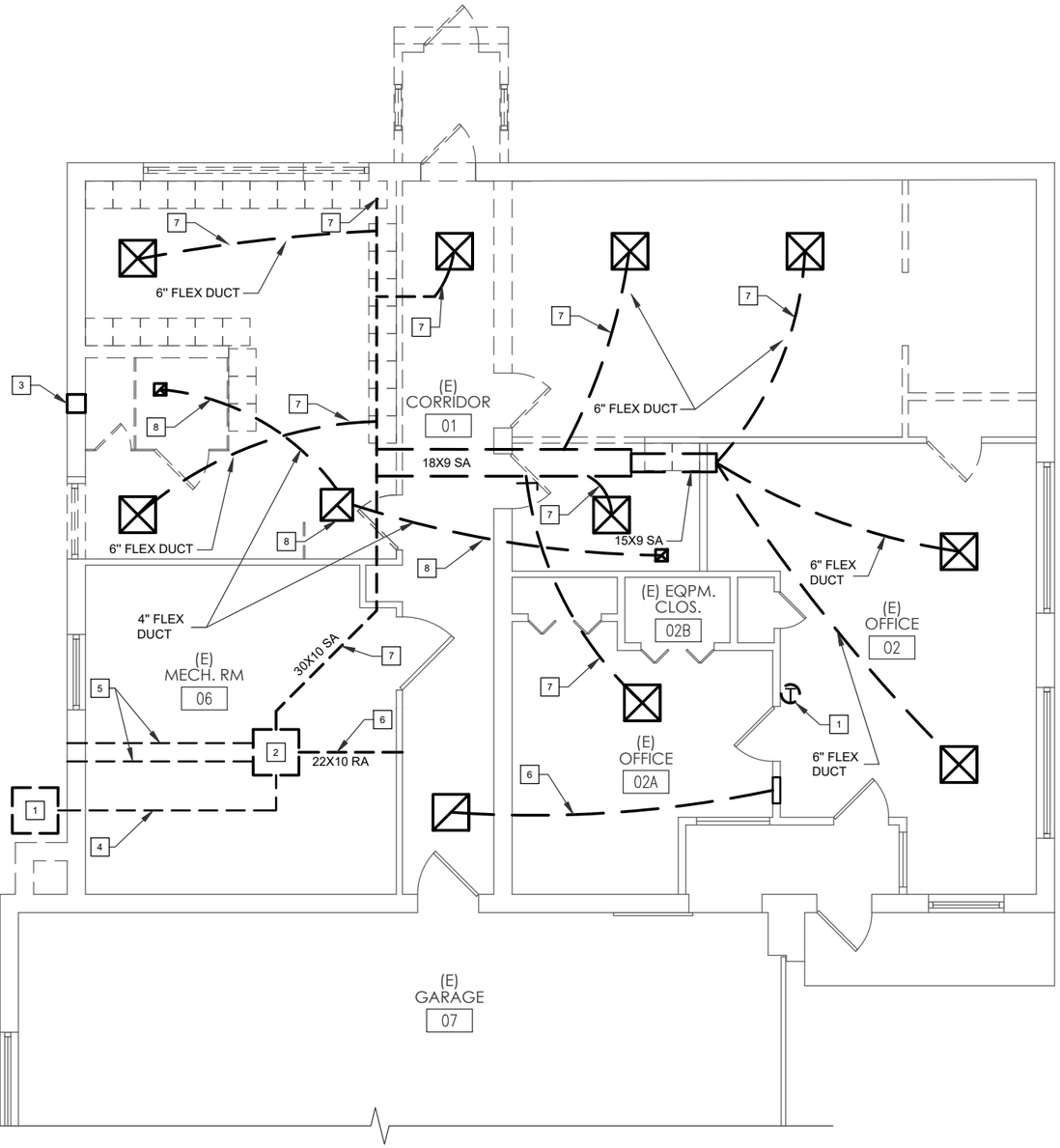
TITLE OF PROJECT: ADDITIONS TO MAINTENANCE SECTION
LOCATION OF PROJECT: MANCHESTER MP 340.15
TITLE OF DRAWING: MECHANICAL EQUIPMENT SCHEDULES SHEET

CONTRACT NUMBER: TAS 25-9A
DATE: 07/30/2025
DRAWING NUMBER: MG801

DRAFTED BY: RPM
CHECKED BY: SBZ
CHECKED BY:
DESIGNED BY:
BUREAU DIRECTOR: J.L. MORRIS




1 FIRST FLOOR MECHANICAL DEMOLITION PLAN

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

## # MECHANICAL DEMOLITION NOTES:

1. REMOVE EXISTING CONDENSING UNIT, DISCONNECT, MOUNTING PAD, THERMOSTAT, CONTROL WIRING, AND ACCESSORIES.
2. REMOVE EXISTING FURNACE, SUPPLY DUCTWORK, ASSOCIATED HANGERS, BRACKETS & INSULATION, AND ACCESSORIES.
3. REMOVE WALL-MOUNTED EXHAUST FAN.
4. REMOVE REFRIGERANT LIQUID & SUCTION PIPING AND ASSOCIATED HANGERS, BRACKETS & INSULATION VENT/DUCT.
5. REMOVE FURNACE VENT INTAKE AND EXHAUST PIPING TO EXTENTS SHOWN.
6. REMOVE RETURN AIR DUCTWORK AND ASSOCIATED FITTINGS, HANGERS & ACCESSORIES.
7. REMOVE SUPPLY AIR DUCTWORK, FLEX DUCT, SUPPLY CEILING DIFFUSER (CD), ASSOCIATED FITTINGS, HANGERS & ACCESSORIES.
8. REMOVE EXHAUST AIR DUCTWORK AND ASSOCIATED FITTINGS, HANGERS & ACCESSORIES.

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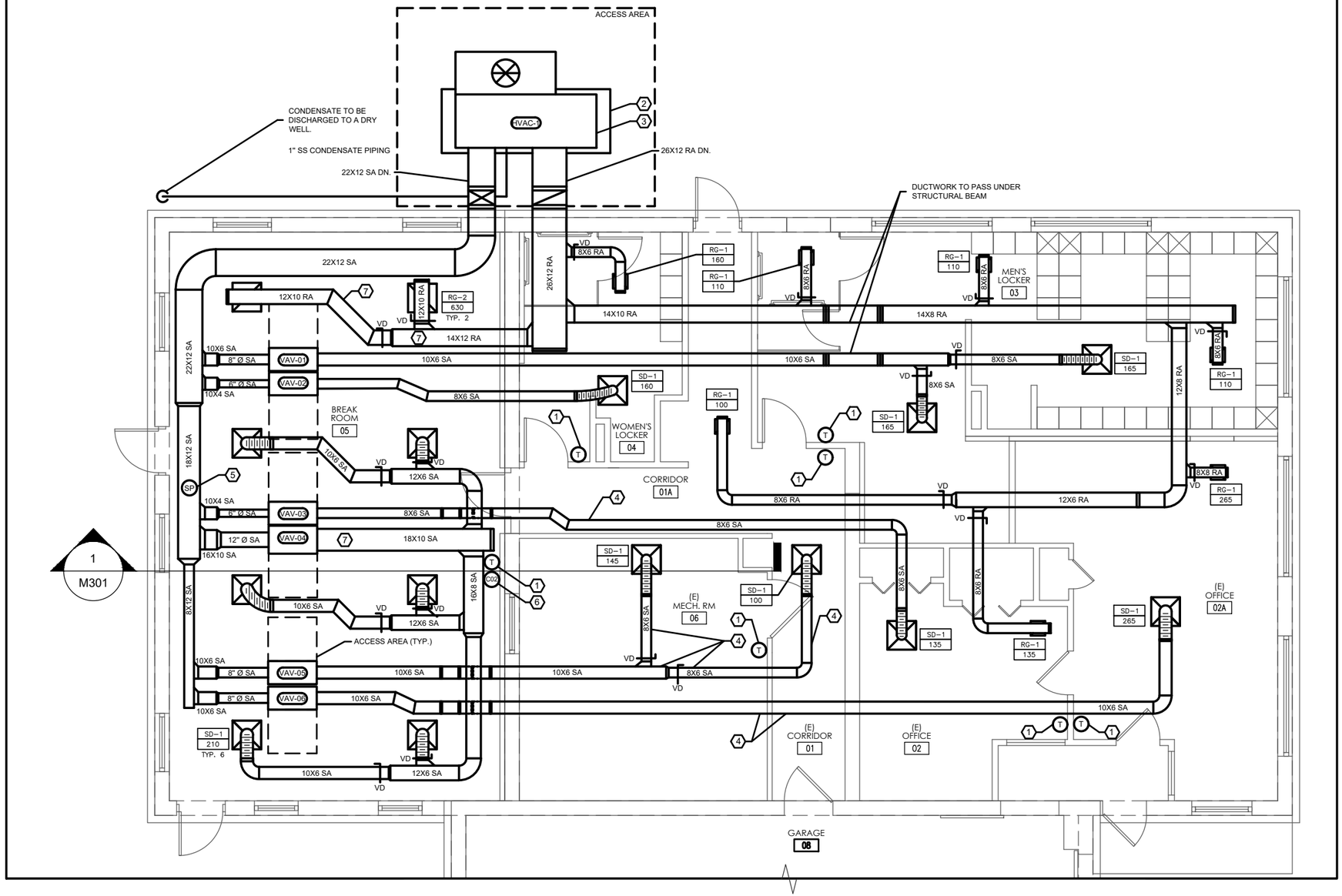
| TITLE OF PROJECT: ADDITIONS TO MAINTENANCE SECTION | CONTRACT NUMBER: TAS 25-9A |
| LOCATION OF PROJECT: MANCHESTER MP 340.15 | DATE: 07/30/2025 |
| TITLE OF DRAWING: FIRST FLOOR MECHANICAL DEMOLITION PLAN | DRAWING NUMBER: MD101 |




1 M301

## 1 FIRST FLOOR MECHANICAL PLAN

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

## # KEYED MECHANICAL NEW SCOPE OF WORK NOTES:

1. 7-DAY PROGRAMMABLE THERMOSTAT, WALL MOUNTED.
2. REINFORCED CONCRETE EQUIPMENT PAD. COORDINATE WITH ARCH. & STRUCTURAL DRAWINGS FOR EXACT LOCATION.
3. 22" EQUIPMENT CURB, PROVIDED BY MANUFACTURER
4. PROVIDE A MIN. 1" INTERNAL ACOUSTICAL LINING FOR SUPPLY DUCTWORK PASSING THROUGH MECH. RM. AND CORRIDOR. THE REMAINING SUPPLY DUCTWORK SHALL HAVE EXTERNAL 1 1/2" THICK INSULATION PER 2020 NYSECCC.
5. PROVIDE A DUCT MOUNTED STATIC PRESSURE (SP) SENSOR 2/3 DOWNSTREAM FROM THE HVAC-1'S SA OUTLET. THE SP SHALL BE INTERFACED WITH SUPPLY FAN'S VFD AND SET INITIALLY AT 1.0" (ADJ.). AIR TESTING AND BALANCING CONTRACTOR SHALL MAKE THE FINAL CFM ADJUSTMENT AND STATIC PRESSURE SETTING.
6. PROVIDE A WALL MOUNTED CARBON DIOXIDE (CO2) SENSOR AND SET THE ALARM AT 700 PPM (ADJ.). THE CO2 SENSOR SHALL BE INTERFACED WITH OA'S DAMPER. UPON THE ACTIVATION OF THE ALARM, THE OA DAMPER POSITION SHALL BE AT THE MAXIMUM DESIGN POSITION (720 CFM).
7. PROVIDE 1" INTERNAL ACOUSTICAL LINING FOR ALL SUPPLY DUCTWORK ASSOCIATED WITH VAV-04 AND RETURN AIR DUCTWORK SERVING THE BREAK ROOM.

## GENERAL MECHANICAL NOTES:

A. PROVIDE DUCT INSULATION AND JACKET FOR EXTERIOR INSTALLATION PER 2020 NYSECCC AND SPECIFICATION.
B. PROVIDE OFFSETS IN DUCTWORK AS REQUIRED BY FIELD CONDITIONS
C. PROVIDE TURNING VANES FOR RECTANGULAR & SQUARE DUCTWORK PER SMACNA STANDARDS.
D. PROVIDE CONNECTION TO THE CEILING DIFFUSERS AND CEILING GRILLES TO SUPPLY AIR DUCTWORK WITH 3'-0" OR LESS INSULATED FLEXIBLE DUCT (UL-181 & UL-181B) PER SMACNA STANDARDS.

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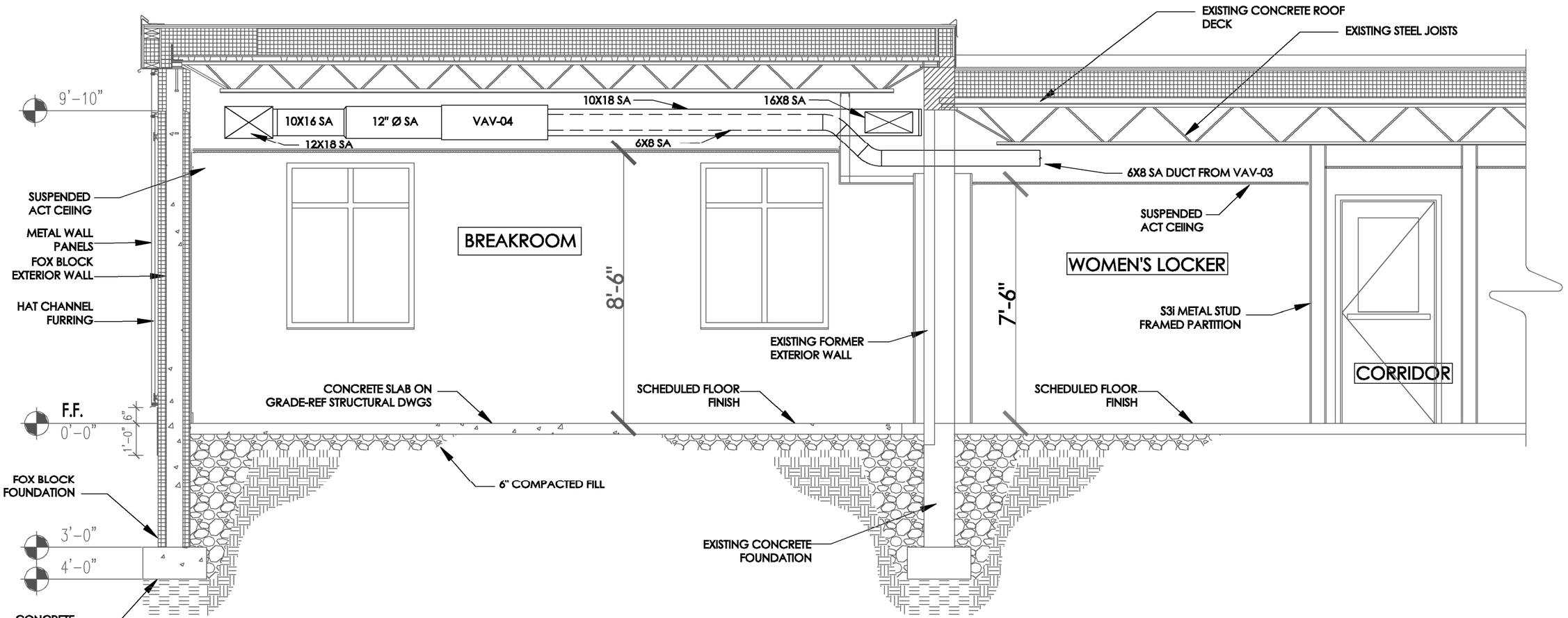
| LOCATION OF PROJECT: MANCHESTER MP 340.15 | DATE: 07/30/2025 |
| TITLE OF DRAWING: FIRST FLOOR NEW MECHANICAL PLAN | DRAWING NUMBER: M101 |




1 MECHANICAL SECTION VIEW

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

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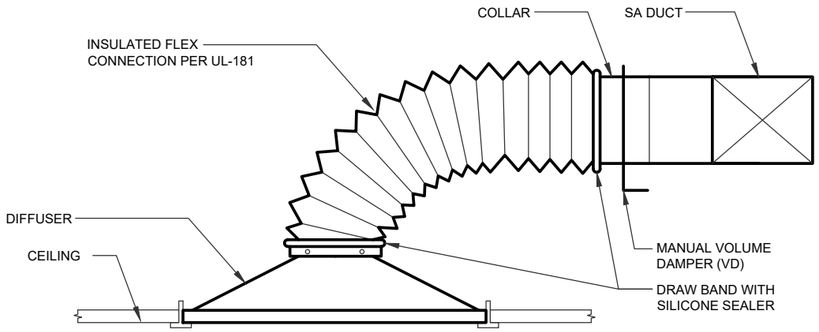
| LOCATION OF PROJECT: MANCHESTER MP 340.15 | DATE: 07/30/2025 |
| TITLE OF DRAWING: MECHANICAL SECTIONS SHEET | DRAWING NUMBER: M301 |




## 1 TYPICAL DIFFUSER CONNECTION DETAIL

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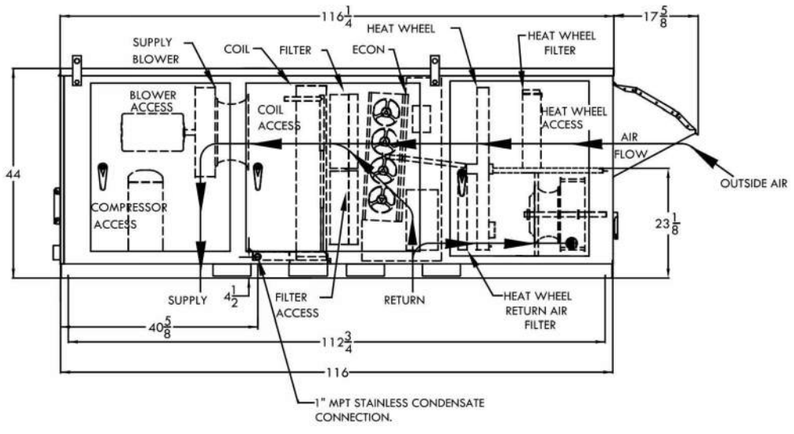
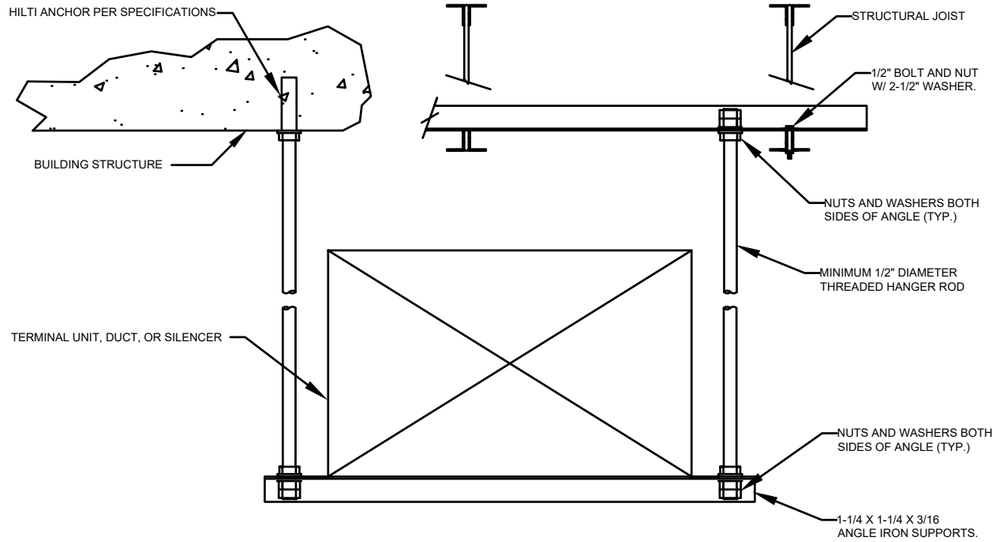



NOTES:

1. PROVIDE 22" HIGH CURB FOR THE HVAC UNIT.

## 3 HVAC-1 ARRANGEMENT DETAIL

NTS




## 2 DUCT AND TERMINAL UNIT HANGER DETAIL

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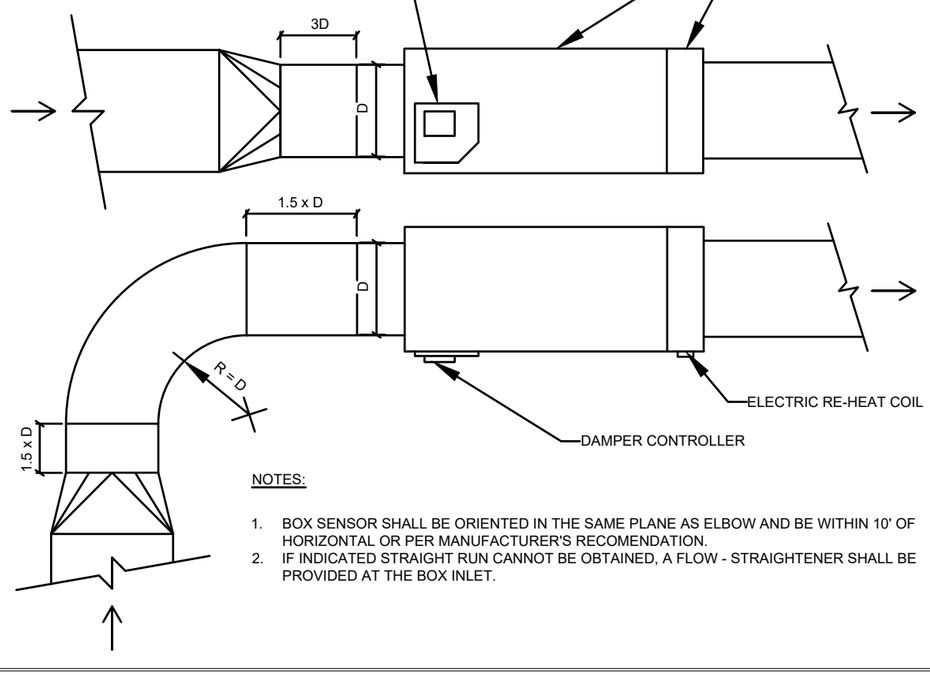


NOTES:

1. BOX SENSOR SHALL BE ORIENTED IN THE SAME PLANE AS ELBOW AND BE WITHIN 10' OF HORIZONTAL OR PER MANUFACTURER'S RECOMENDATION.
2. IF INDICATED STRAIGHT RUN CANNOT BE OBTAINED, A FLOW - STRAIGHTENER SHALL BE PROVIDED AT THE BOX INLET.

## 4

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LICENSED PROFESSIONAL ENGINEER
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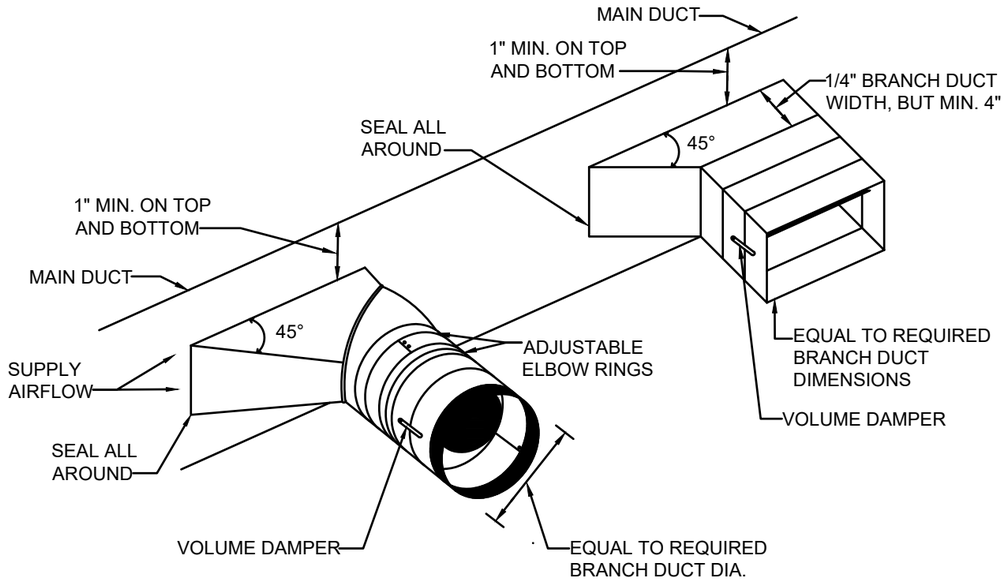
TITLE OF PROJECT: ADDITIONS TO MAINTENANCE SECTION
LOCATION OF PROJECT: MANCHESTER MP 340.15
TITLE OF DRAWING: MECHANICAL DETAILS SHEET #1

CONTRACT NUMBER: TAS 25-9A
DATE: 07/30/2025
DRAWING NUMBER: M501




NOTES:

1. PROVIDE VOLUME DAMPER AT EACH BRANCH TAKE OFF LOCATION.
2. REFER TO FLOOR PLANS FOR DUCT SIZES

1 TYPICAL BRANCH TAKEOFF FITTING DETAIL
NTS

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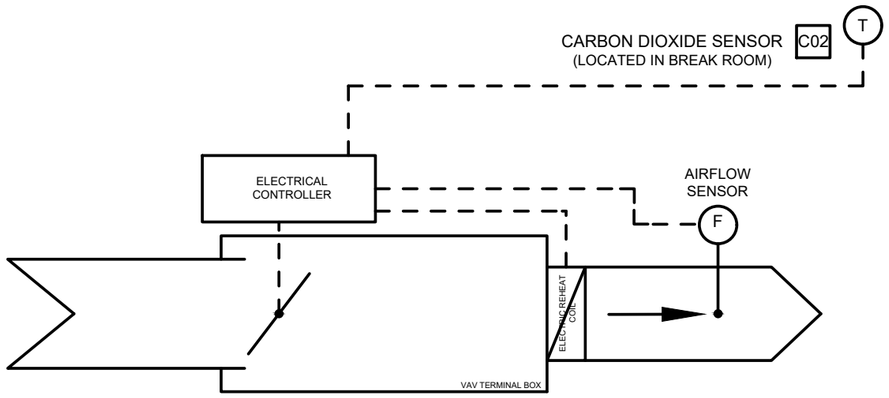
| TITLE OF DRAWING: MECHANICAL DETAILS SHEET #2 | DRAWING NUMBER: M502 |




1 VARIABLE AIR VOLUME BOX WITH ELECTRIC RE-HEAT TERMINAL UNIT - TYPICAL
NTS

## VARIABLE AIR VOLUME (VAV) BOXES WITH ELECTRIC REHEAT (TYPICAL)

FOR COOLING MODE:

A. UPON THE REMOTE THERMOSTAT CALLS FOR COOLING BASED ON THE SPACE/ROOM TEMPERATURE SETTING OF 75 DEG. F (ADJUSTABLE), THE VAV BOX SHALL BE ACTIVATED/OPENED TO A MAXIMUM POSITION. THE VAV BOX SHALL REMAIN OPEN TO THE DESIGNED CFM UNTIL THE SPACE/ROOM TEMPERATURE IS SATISFIED. AFTER THE SPACE TEMPERATURE SETPOINT HAS BEEN SATISFIED, THE VAV BOX SHALL BE IN A MINIMUM POSITION.

FOR HEATING MODE:

A. UPON THE REMOTE THERMOSTAT CALLS FOR HEAT BASED ON THE SPACE/ROOM TEMPERATURE SETTING OF 70 DEG. F (ADJUSTABLE), THE ELECTRIC HEATING COIL SHALL BE ENERGIZED AND THE VAV BOX SHALL BE ACTIVATED/OPENED TO A MINIMUM POSITION. THE ELECTRIC HEATING COIL SHALL REMAIN ON UNTIL THE SPACE/ROOM TEMPERATURE IS SATISFIED. AFTER THE SPACE TEMPERATURE SETPOINT HAS BEEN SATISFIED, THE VAV BOX SHALL BE IN A DESIGNED CFM POSITION.

## SEQUENCE OF OPERATIONS FOR THE HVAC-1'S OUTSIDE AIR (OA) DAMPER POSITION AND CO2 SENSOR

FOR BOTH COOLING AND HEATING MODES:

A. UPON THE RISE OF THE CO2 LEVEL IN THE BREAK ROOM ABOVE 700 PPM (ADJ.), THE OA DAMPER POSITION SHALL BE SET TO THE MAXIMUM CFM POSITION AT 720 CFM
B. AFTER THE CO2 LEVEL IN THE BREAK ROOM FALLS BELOW 700 PPM (ADJ.), THE OA DAMPER POSITION SHALL BE SET TO THE MINIMUM CFM POSITION AT 520 CFM.

## SAFETIES:

1. THE ELECTRIC HEATING COIL SHALL NOT BE ENERGIZED OR SHUT OFF IF THERE IS LOW AIR FLOW OR NO AIR FLOW.

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| LOCATION OF PROJECT: MANCHESTER MP 340.15 | DATE: 07/30/2025 |
| TITLE OF DRAWING: MECHANICAL CONTROLS DETAILS | DRAWING NUMBER: M503 |

## PLUMBING GENERAL NOTES:

A. PROVIDE FOR THE PROPER FIELD FITTING OF WORK. PROVIDE FOR ANY FIELD MEASUREMENTS AS REQUIRED. CONTRACTOR SHALL BE RESPONSIBLE FOR FITTING THE NEW CONSTRUCTION AROUND EXISTING CONDITIONS. PROVIDE FOR THE REPAIR OF ANY EXISTING CONDITIONS DISTURBED OR DAMAGED DURING CONSTRUCTION.

B. PROVIDE FOR A SITE INVESTIGATION OF EXISTING PLUMBING AND BUILDING CONDITIONS DURING WALK THROUGH PRIOR TO PREPARATION OF BID AND COMMENCEMENT OF WORK.

C. PROVIDE FOR REVIEW OF THE CONTRACT DRAWINGS AND SPECIFICATIONS TO COORDINATE PLACEMENT AND INSTALLATION OF PLUMBING WORK IN COORDINATION WITH THE WORK OF OTHER TRADES. CONTRACTOR SHALL PROVIDE FOR THE FIELD COORDINATION & COMMUNICATION NECESSARY TO RESOLVE SITE DISCOVERED CONDITIONS WITH THE ELECTRICAL, MECHANICAL, AND GENERAL CONSTRUCTION CONTRACTORS. ADJUST THE LOCATIONS OF ALL PIPING, STACK, EQUIPMENT, AND CONNECTIONS TO ACCOMMODATE ACTUAL CONSTRUCTION CONDITIONS ENCOUNTERED;OBTAIN APPROVAL FROM THE ARCHITECT FOR ALL BUT MINOR CHANGES. WRITTEN SUGGESTIONS SHALL BE PROVIDED TO THE ARCHITECT AND ENGINEER PRIOR TO COMMENCING WITH WORK. THE PLUMBING CONSTRUCTION DRAWINGS ARE SCHEMATIC IN INTENT. PROVIDE FOR ALL MATERIALS, EQUIPMENT, AND LABOR NECESSARY FOR A COMPLETE INSTALLATION. ALL EQUIPMENT SHALL BE INSTALLED TO BE FULLY ACCESSIBLE FOR OPERATION AND MAINTENANCE IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION REQUIREMENTS. PROVIDE VALVES, BACKFLOW DEVICES, AND WATER HAMMER ARRESTORS AT REMOVABLE CEILING TILES, BEHIND 16"x16" ACCESS DOORS, OR ACCESSIBLE FROM A STANDING POSITION ON THE FLOOR.

D. PROVIDE FOR ALL CUTTING, PATCHING, CORE DRILLS, ACCESS DOORS, AND FIRE STOPPING REQUIRED TO ACCOMPLISH WORK SHOWN. PATCH AND SEAL OPENINGS TO MATCH ADJACENT EXISTING WALLS, FLOORS, CEILINGS, ETC. UNLESS OTHERWISE INDICATED. CONCEAL ALL WORK IN FINISHED AREAS UNLESS OTHERWISE INDICATED OR DIRECTED BY THE ARCHITECT.

E. FIELD VERIFY ALL LOCATIONS, DIMENSIONS AND EXISTING CONDITIONS (PIPING, DUCTWORK, EQUIPMENT, STRUCTURAL ELEMENTS, ETC.) PRIOR TO COMMENCING WITH WORK, CONTRACTOR SHALL COORDINATE INSTALLATION OF EQUIPMENT AND PIPING WITH EXISTING CONDITIONS AND OTHER TRADES. PROVIDE FITTINGS, TRANSITIONS, OFFSETS, ELEVATION CHANGES, ETC. TO MINIMIZE CONFLICTS WITH EXISTING CONDITIONS.

F. PROVIDE ALL GAS, WATER, DRAINS, INDIRECT WASTE, ETC. CONNECTIONS TO MECHANICAL EQUIPMENT AS INDICATED ON THE PLANS. COORDINATE WORK WITH OTHER TRADES FOR FINAL CONNECTION POINTS.

G. PROVIDE ALL SUBMITTED EQUIPMENT AND SYSTEMS IN COMPLIANCE WITH THE MANUFACTURERS WRITTEN INSTALLATION INSTRUCTIONS AND SPECIFICATIONS.

H. ALL PHYSICAL ATTRIBUTES OF EQUIPMENT AND DEVICES ARE BASED ON THOSE MANUFACTURERS LISTED IN THE SPECIFICATIONS AND/OR THE EQUIPMENT SCHEDULES. PROVIDE FOR ALL CHANGES BROUGHT ABOUT BY THE USE OF ITEMS SUBMITTED BY OTHER MANUFACTURERS AT NO ADDITIONAL COST TO OWNER. THE ARCHITECT/ENGINEER HAS RESERVED THE RIGHT TO REJECT ITEMS BY OTHER MANUFACTURERS.

I. THE EXISTING BUILDING MATERIALS MAY CONTAIN ASBESTOS CONTAINING MATERIALS. REFER TO CONTRACT DRAWINGS AND PROJECT MANUAL FOR MORE INFORMATION.

J. PROVIDE FOR THE PROPER OFF-SITE DISPOSAL OF ALL CONSTRUCTION DEBRIS AND/OR EXCAVATED MATERIALS ASSOCIATED WITH WORK IN THIS TRADE IN COMPLIANCE WITH LOCAL, NEW YORK STATE AND FEDERAL LAWS AND REQUIREMENTS.

K. PROVIDE FOR THE JET FLUSHING AND MECHANICAL CLEANING OF ALL NEW AND EXISTING SANITARY SEWERS ASSOCIATED WITH THE SCOPE OF WORK UPON COMPLETION OF THE PROJECT. ALL NEW FLOOR DRAINS AND TRAPS SHALL BE CLEANED. CLEAN AND JET FLUSH BUILDING MAIN SANITARY SEWER BRANCH FROM THE BUILDING EXIT POINT TO THE EXTERIOR MANHOLE UPON COMPLETION OF THE PROJECT.

L. PROVIDE ALL MATERIALS, EQUIPMENT, LABOR, ETC. AS REQUIRED TO PERFORM THE CONTRACT WORK. ALL SYSTEMS AND EQUIPMENT SHALL BE COMPLETE AND OPERATIONAL.

M. PLUMBING EQUIPMENT IN PUBLIC SPACES SHALL BE FULLY HANDICAPPED ACCESSIBLE. EQUIPMENT FOR USE IN SPACES SPECIFICALLY DESIGNATED FOR HANDICAPPED USE SHALL BE DESIGNED FOR HANDICAPPED USE AND SHALL CONFORM TO THE AMERICANS WITH DISABILITIES ACT (CURRENT EDITION).

N. PROVIDE ALL WORK OF THIS PROJECT IN COMPLIANCE WITH ALL LOCAL, PLUMBING CODE OF NEW YORK STATE 2020, FEDERAL CODES, APPLICABLE NFPA STANDARDS, AND THE NEW YORK STATE THRUWAY AUTHORITY WRITTEN STANDARDS.

O. OBTAIN ALL NECESSARY INSPECTIONS OF ROUGHED IN PIPING CONCEALED IN CHASES, WALLS, OR ABOVE CEILINGS BY ENGINEER PRIOR TO COMPLETION OF WALLS AND CEILINGS.

P. LOCATE PIPING TO PREVENT FREEZING. DO NOT INSTALL WATER PIPING IN EXTERIOR WALLS.

Q. THE DRAWINGS DO NOT INDICATE ALL OFFSETS, CHANGES IN ELEVATION, ETC., WHICH MAY BE REQUIRED. MAKE CHANGES IN THE LOCATIONS OF PIPING AND EQUIPMENT, ETC., TO ACCOMMODATE WORK, OBSTACLES, AND THE WORK OF OTHER CONTRACTORS. PROVIDE FOR ELBOWS, TEES, AND FITTINGS AS REQUIRED.

R. ALL PIPES PENETRATING RATED WALLS AND FLOOR DECKS SHALL BE FIRESTOPPED USING APPROVED, U.L. LISTED FIRE STOPPING MATERIAL. REFER TO THE ARCHITECTURAL DRAWINGS FOR FIRE RATED WALL AND FLOOR PENETRATION LOCATIONS; CONFIRM ALL LOCATIONS WITH ARCHITECTURAL PLANS. PATCH / REPAIR ALL ABANDONED PIPE PENETRATIONS THROUGH FLOOR DECKS AND WALLS TO MATCH ADJACENT EXISTING FINISHES.

S. PROVIDE ALL EQUIPMENT IN COMPLETE COMPLIANCE WITH MANUFACTURERS INSTALLATION INSTRUCTIONS, AND THE PROJECT SPECIFICATIONS.

T. PROVIDE CLEANOUTS AT THE BASE OF EACH SANITARY STACK, AND AT CHANGES IN DIRECTION AS REQUIRED BY CODE. WALL CLEANOUTS IN FINISHED SPACES SHALL BE CONCEALED BY CHROME OR APPROVED CLEANOUT COVER. FLOOR CLEANOUT LOCATIONS SHALL BE ACCESSIBLE AND TWO (2) FEET AWAY FROM WALLS AND OBSTRUCTIONS.

U. PROVIDE MINIMUM 16"x16" ACCESS PANELS FOR ALL VALVES, WATER HAMMER ARRESTORS, CLEANOUTS, ETC CONCEALED BEHIND WALLS AND ABOVE GYPSUM BOARD CEILINGS, WHERE OTHERWISE INACCESSIBLE. ACCESS DOORS SHALL BE FACTORY PRIMED AND FIELD PAINTED. PROVIDE DOORS WITH LOCKABLE TUMBLER. ACCESS PANELS SHALL BE FIRE RATED CONSTRUCTION TO MATCH THE WALL OR CEILING FIRE RATING WHERE APPLICABLE.

V. PROVIDE FOR TESTING OF ALL PLUMBING EQUIPMENT AND PIPING SYSTEMS FOR PROPER OPERATION. PROVIDE FOR TESTING OF ALL PIPING AND EQUIPMENT IN COMPLIANCE WITH THE PLUMBING CODE OF NEW YORK STATE 2020 AND IN ACCORDANCE WITH MANUFACTURERS REQUIREMENTS.

W. PROVIDE COMPLETE RECORD DRAWINGS DEPICTING THE FINAL INSTALLED LOCATIONS OF PIPING, EQUIPMENT, VALVES, CLEANOUTS AS-BUILT ON A CLEAN SET OF PLANS. PROVIDE FULL SIZE COPIES FOR THE OWNER, ARCHITECT AND ENGINEER. PROVIDE (3) COPIES OF THE OPERATION AND MAINTENANCE MANUALS TO OWNER INCLUDING ALL PRODUCTS AND MECHANICAL EQUIPMENT.

X. PROVIDE FOR ALL SPECIALTIES, INCLUDING HANGERS, SUPPORTS, CONTROLS, INSULATION, VALVES, AS REQUIRED FOR THE INSTALLATION.

Y. INSULATE ALL NEW COLD, HOT AND HOT WATER RECIRCULATION PIPING IN COMPLIANCE WITH THE ENERGY CONSERVATION CODE OF NEW YORK STATE (2020 VERSION). REPLACE INSULATION REMOVED OR DAMAGED DURING CONSTRUCTION.

Z. THE EXISTING PIPING CONDITIONS HAVE BEEN OBTAINED FROM THE ORIGINAL CONSTRUCTION DRAWINGS. ACTUAL AS BUILT PIPING CONDITIONS MAY VARY. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND REPORT ANY DISCREPANCIES TO ENGINEER IN WRITING PRIOR TO PROCEEDING WITH WORK.

AA. PROVIDE FOR PROTECTION OF PLUMBING WORK DURING CONSTRUCTION IN COMPLIANCE WITH CHAPTER 3 OF THE PLUMBING CODE OF NEW YORK STATE 2020.

AB. MINIMUM SLOPE FOR DRAINAGE PIPE WITHIN 5'-0" OF BUILDING IS ¼" PER FOOT FOR 2-½" DIAMETER AND LESS / ⅛" PER FOOT FOR 3" DIAMETER AND GREATER. MINIMUM SLOPE FOR DRAINAGE PIPE BEYOND 5'-0" OF BUILDING IS 1%.

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DESIGNED BY: MRC
BUREAU DIRECTOR: J.L. MORRIS

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## DIG SAFELY

CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL UNDERGROUND UTILITY LOCATIONS AND PROVIDE ALL PROTECTIVE MEASURES FOR EXCAVATION AND UNDERGROUND UTILITY WORK.

CALL:
DIG SAFELY: 811 OR 1-800-962-7962
A MINIMUM OF TWO (2) DAYS PRIOR TO COMMENCING WITH EXCAVATION.

NEW YORK STATE OF OPPORTUNITY. Thruway Authority

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|---|---|
| TITLE OF PROJECT: ADDITIONS TO MAINTAINACE SECTION | CONTRACT NUMBER: TAS 25-9A |
| LOCATION OF PROJECT: MANCHESTER MP 340.15 | DATE: 07/30/25 |
| TITLE OF DRAWING: PLUMBING NOTES | DRAWING NUMBER: PG100 |

## PLUMBING SYMBOL LIST

| | |
|---|---|
| | POINT OF CONNECTION (NEW TO EXISTING) |
| | TERMINATION POINT OF DEMOLITION |
| # | PLUMBING KEYED NOTE |
| # | DEMOLITION KEYED NOTE |
| # | REVISION KEYED NOTE |
| X / X-X | SECTION: TOP CHARACTER INDICATES SECTION NUMBER, BOTTOM CHARACTER INDICATES DRAWING ON WHICH SECTION APPEARS |
| | FLOOR / CUT / PATCH (UNDERSLAB) |

## PLUMBING SYMBOL LIST

| | |
|---|---|
| | COLD WATER PIPING (C) |
| | HOT WATER PIPING (H) |
| | RECIRULATING HOT WATER PIPING (HWR) |
| SAN | SANITARY OR WASTE PIPING (SAN) |
| (BF)SAN | BELOW FLOOR SANITARY OR WASTE PIPING ((BF)SAN) |
| | VENT PIPING |
| ST | STORM SEWER PIPING (ST) |
| G | NATURAL GAS PIPING (G) |
| IW | INDIRECT WASTE (IW) |
| | EXISTING PIPING TO REMAIN |
| | REMOVE EXISTING PIPING (REMOVAL PLANS) |

## PLUMBING SYMBOL LIST

| | |
|---|---|
| | BALL VALVE |
| | GATE VALVE |
| | CHECK VALVE |
| | BALANCING VALVE |
| | BRONZE STRAINER |
| | FLOOR DRAIN (FD) |
| | FLOOR CLEANOUT (FCO) |
| | FLOOR SINK (FS) |
| | ROOF DRAIN (RD) |
| WH HB | WALL HYDRANT (WH), HOSE BIBB (HB) (HS), OR HOSE END DRAIN VALVE |
| / | ELBOW UP / ELBOW DN. |
| | DROP CONNECTION, RISE CONNECTION |
| / | SHOWER HEAD - (FINAL LOCATION BY ARCHITEC - REFER TO ARCHITECT PLANS) |
| | DIRECTION OF FLOW |
| | CAP OR PLUG EXISTING PIPING AT MAIN |
| | LUBRICATED PLUG VALVE (GAS PIPING) |
| | PIPE REDUCER |
| | ANCHOR |
| WHA | WATER HAMMER ARRESTOR |

## PLUMBING ABBREVIATIONS

| | | | | | |
|---|---|---|---|---|---|
| AFF | ABOVE FINISHED FLOOR | G | GAS | SAN | SANITARY SEWER |
| BFP | BACK FLOW PREVENTER | GC | GENERAL CONTRACTOR | SAN(BF) | BELOW FLOOR SANITARY |
| BLDG | BUILDING | HB | HOSE BIBB | SK | SINK |
| CO | CLEANOUT | HW. | HOT WATER | ST | STORM SEWER |
| CONC | CONCRETE | HWR | HOT WATER RETURN | TYP | TYPICAL |
| CW | COLD WATER | IW | INDIRECT WASTE | UR | URINAL |
| DN | DOWN | LAV | LAVATORY | V | VENT |
| DWG | DRAWING | MSS | MOP SERVICE SINK | VTR | VENT THRU ROOF |
| DWH | DOMESTIC WATER HEATER | NTS | NOT TO SCALE | WC | WATER CLOSET |
| ETR | EXISTING TO REMAIN | PC | PLUMBING CONTRACTOR | WCO | WALL CLEANOUT |
| FCO | FLOOR CLEANOUT | P | PROPANE | WH | WALL HYDRANT |
| FD | FLOOR DRAIN | RD | ROOF DRAIN | WHA | WATER HAMMER ARRESTOR |
| FIN. | FINISH/FINISHED | RM | ROOM | | |

## FIXTURE CONNECTION SCHEDULE

| FIXTURE | FIXTURE TYPE(s) | | WASTE | VENT | HOT WATER | COLD WATER | NOTES: |
|---|---|---|---|---|---|---|---|
| WATER CLOSET | WC-A | WC-B | 4" | 2" | - | 1" | |
| URINAL | UR-A | UR-B | 2" | 2" | - | 3/4" | |
| LAVATORY | LAV-A | LAV-B | 1-1/2" | 1-1/2" | 1/2" | 1/2" | |
| SHOWER | SHR-A | | 2" | 2" | 1/2" | 1/2" | |
| SINK | SK-A | | 1-1/2" | 1-1/2" | 1/2" | 1/2" | |
| WATER COOLER | EWC-A | | 1-1/2" | 1-1/2" | - | 1/2" | |

GENERAL NOTE:
1. REFER TO SPECIFICATION SECTION 224000 PLUMBING FIXTURES FOR PRODUCT SPECIFICATIONS.
2. THE DOMESTIC WATER PIPING AND COMPONENTS SHALL COMPLY WITH ANSI/NSF 61, NSF 62 ANNEX G AND NSF 372 FOR DRINKING WATER COMPONENTS. THE LEAD CONTENT OF DRINKING WATER PIPING AND COMPONENTS SHALL NOT EXCEED 0.25 PERCENT BY WEIGHTED AVERAGE. PLASTIC PIPING COMPONENTS SHALL BE MARKED WITH "NSF-PW."

## WATER HAMMER ARRESTOR

| NO. | FIXTURE UNIT RATING | SIZE | PDI SYMBOL |
|---|---|---|---|
| WHA-A | 1-11 | 3/4" | A |

GENERAL NOTE:
1. PROVIDE LIFETIME WARRANTY OR ACCESS PANEL.

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CHECKED BY: GMM/AJW
DESIGNED BY: MRC
BUREAU DIRECTOR: J.L.MORRIS

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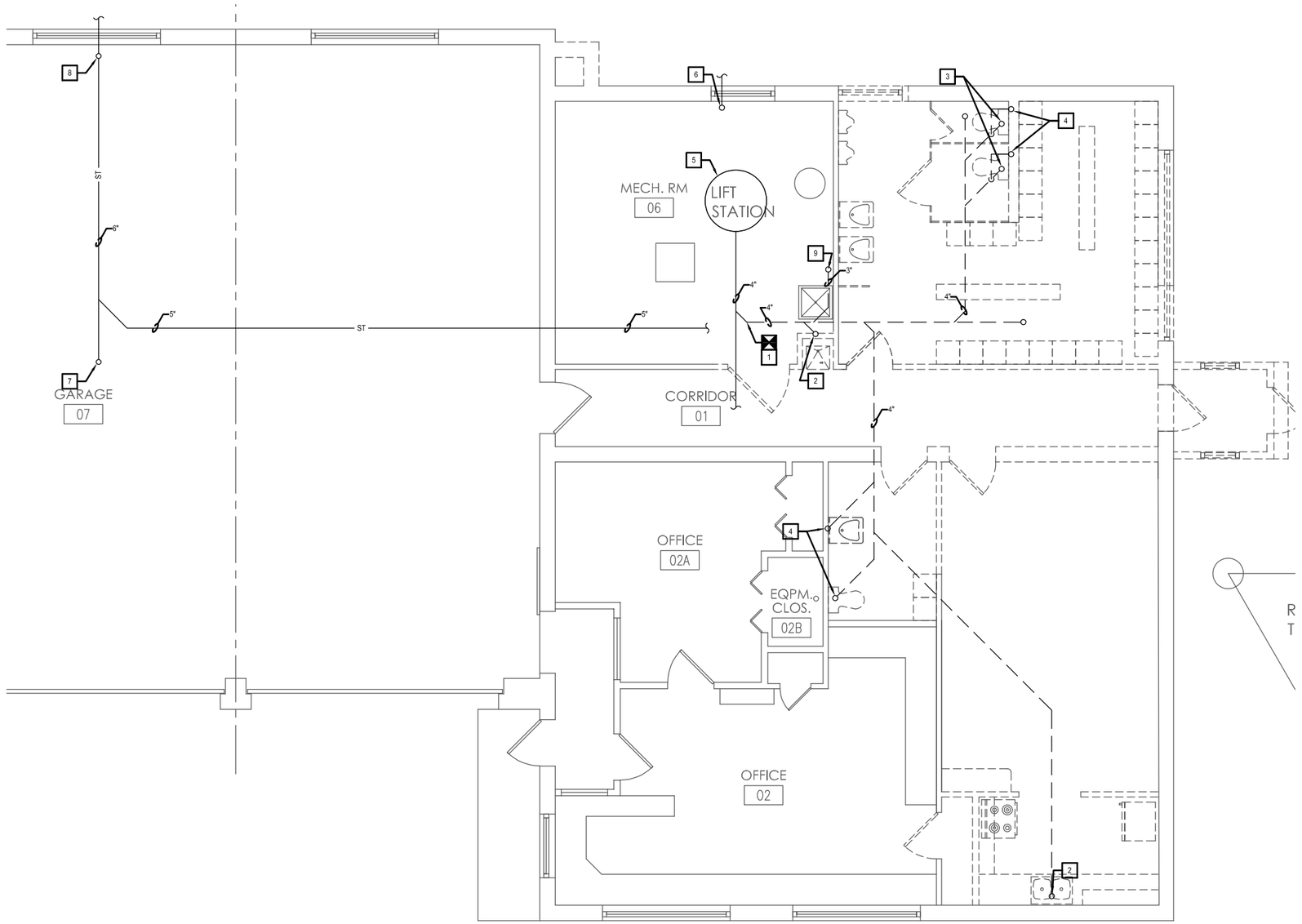
|---|---|
| TITLE OF PROJECT: ADDITIONS TO MAINTAINACE SECTION | CONTRACT NUMBER: TAS 25-9A |
| LOCATION OF PROJECT: MANCHESTER MP 340.15 | DATE: 07/30/25 |
| TITLE OF DRAWING: PLUMBING LEGENDS, SCHEDULES & SYMBOLOGY | DRAWING NUMBER: PG101 |

## KEYED NOTES: #

1. DISCONNECT AND REMOVE 4" SAN BACK TO POINT SHOWN AND CAP. REMAINING PIPING SHALL BE USED FOR CONNECTION TO NEW WORK.
2. REMOVE 2" SAN UP.
3. REMOVE 4" SAN UP.
4. REMOVE 2" VENT UP.
5. EXISTING SEWAGE GRINDER/ EJECTOR TO REMAIN.
6. EXISTING 2" WATER UP.
7. 6" ST UP.
8. 8" ST UP.
9. REMOVE 3" SAN UP.




1 PLUMBING – BELOW FLOOR PLAN – REMOVAL

SCALE: 1/16" = 1'-0"

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CHECKED BY: GMM/AJW
DESIGNED BY: MPC
BUREAU DIRECTOR: J.L.MORRIS

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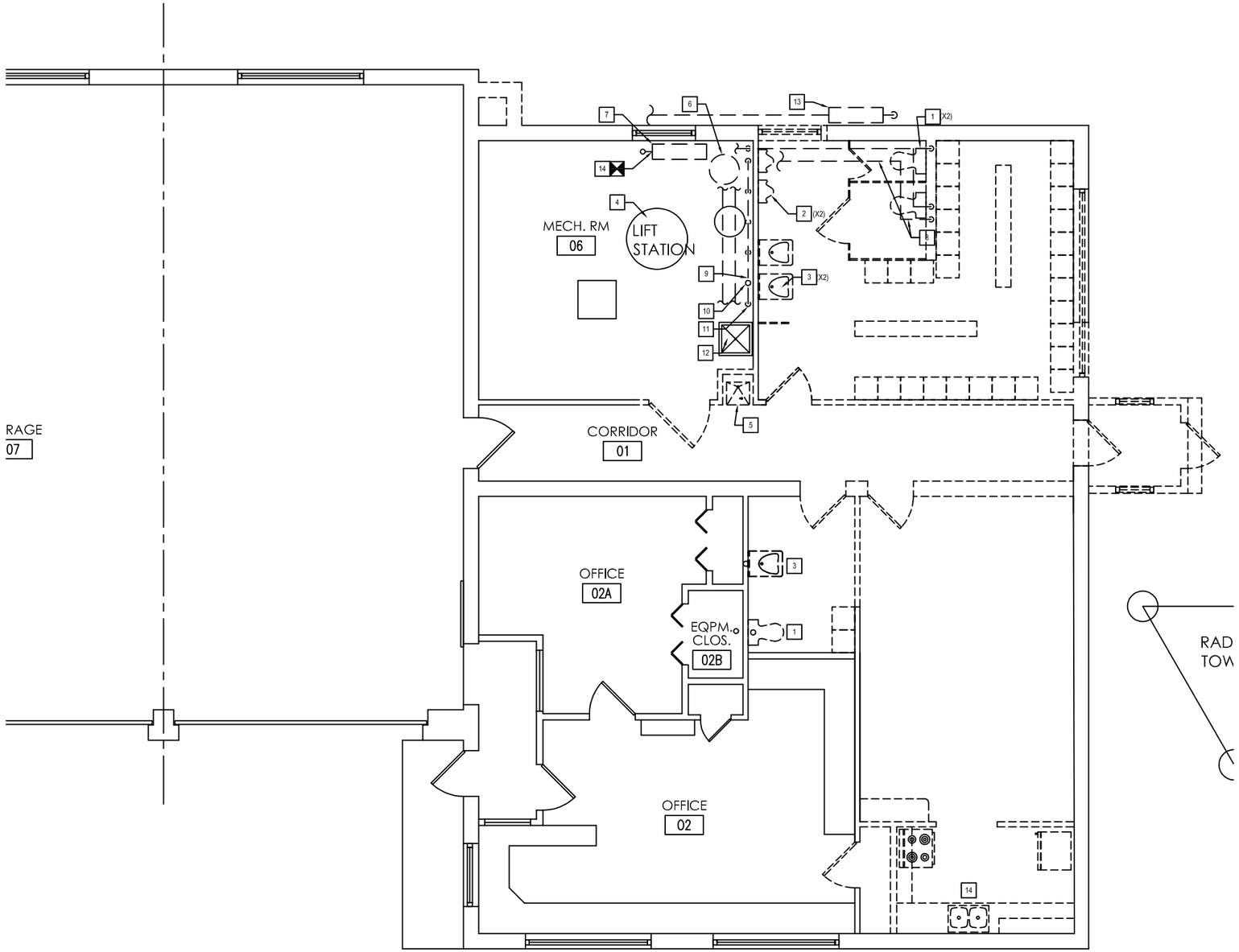
| TITLE OF PROJECT: ADDITIONS TO MAINTAINACE SECTION | CONTRACT NUMBER: TAS 25-9A |
| LOCATION OF PROJECT: MANCHESTER MP 340.15 | DATE: 07/30/25 |
| TITLE OF DRAWING: PLUMBING BELOW FLOOR REMOVAL PLAN | DRAWING NUMBER: PD100 |

## KEYED NOTES: #

1. REMOVE FLOOR MOUNTED WATER CLOSET, 4" SAN, 2" VENT AND 1" CW BRANCH PIPING IN ITS ENTIRETY.
2. REMOVE WALL MOUNTED URINAL, CARRIER, 2" SAN, 2" VENT AND ½" CW PIPING IN ITS ENTIRETY.
3. REMOVE WALL MOUNTED LAVATORY, CARRIER, 1-½" SAN, 1-½" VENT, ½" CW AND ½" HW BRANCH PIPING IN ITS ENTIRETY.
4. EXISTING LIFT STATION TO REMAIN.
5. REMOVE WATER COOLER, 1-½" SAN, 1-½" VENT AND ½" CW BRANCH PIPING IN ITS ENTIRETY.
6. REMOVE GAS-FIRED WATER HEATER, ¾" HW AND ¾" CW BRANCH PIPING IN ITS ENTIRETY. DISCONNECTION BY OTHERS.
7. REMOVE RPZ AND 2" PIPING AND CAP ABOVE FLOOR.
8. REMOVE ALL CW PIPING BACK TO METER. REMOVE ALL HW PIPING BACK TO HOT WATER TANK
9. DISCONNECT 2" SAN PIPING FROM 2" SAN PIPING.
10. REMOVE 2" VENT PIPING UP.
11. REMOVE 2" SAN PIPING DN.
12. REMOVE MOP SINK, FAUCET AND ALL ASSOCIATED BRANCH PIPING.
13. DISCONNECT AND REMOVE GAS PIPING FROM GAS METER IN ITS ENTIRETY. COORDINATE WITH NATIONAL FUEL GAS FOR METER REMOVAL.
14. REMOVE DROP-IN SINK, 2" SAN, 1-½" VENT, ½" CW AND ½" HW BRANCH PIPING IN ITS ENTIRETY.




1 PLUMBING – FLOOR PLAN – REMOVAL

SCALE: 1/16" = 1'–0"

DESIGNED BY: MPC
DRAFTED BY: MPC
CHECKED BY: GMM/AJW
CHECKED BY: GMM/AJW
BUREAU DIRECTOR: J.L. MORRIS

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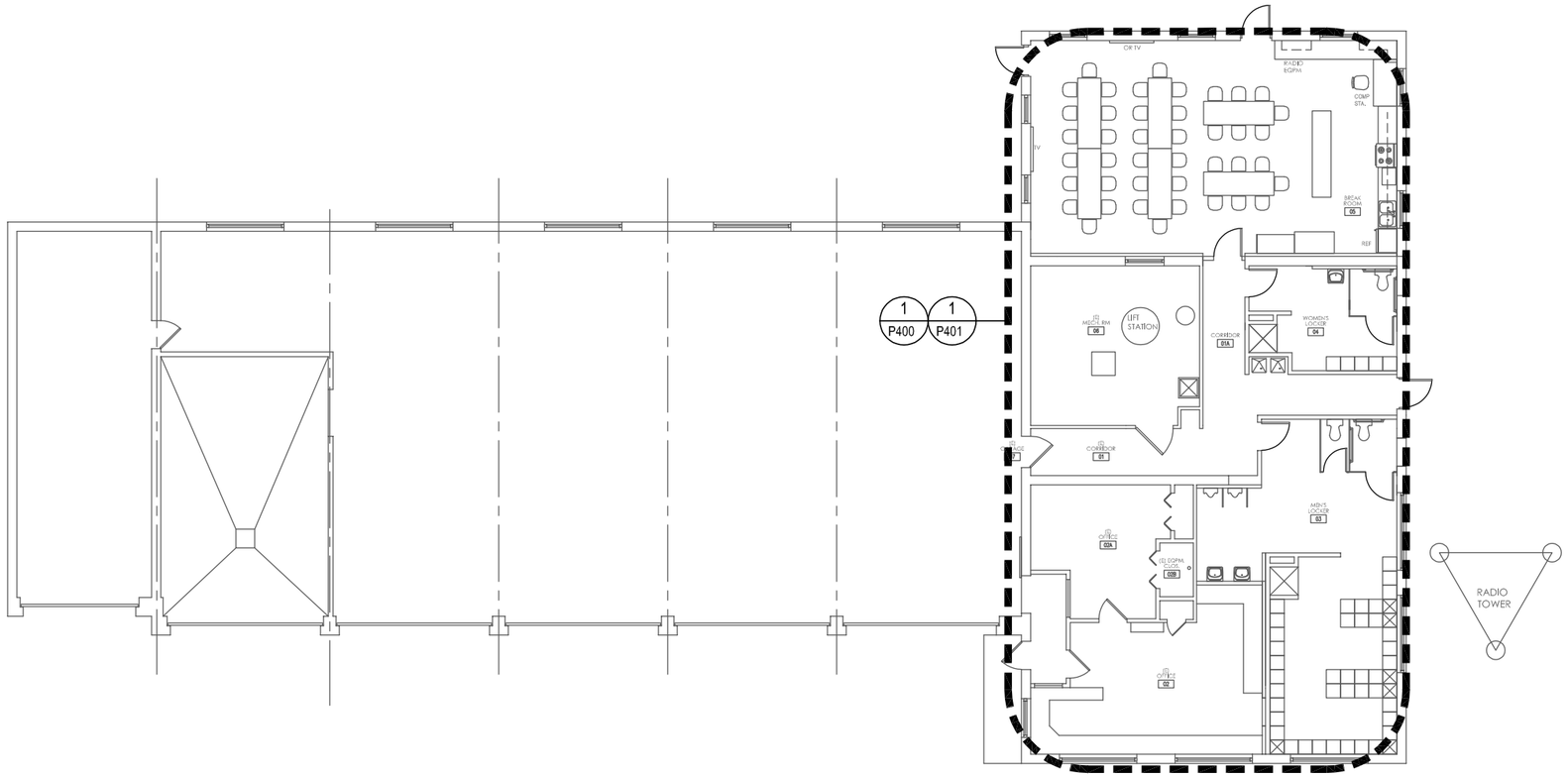
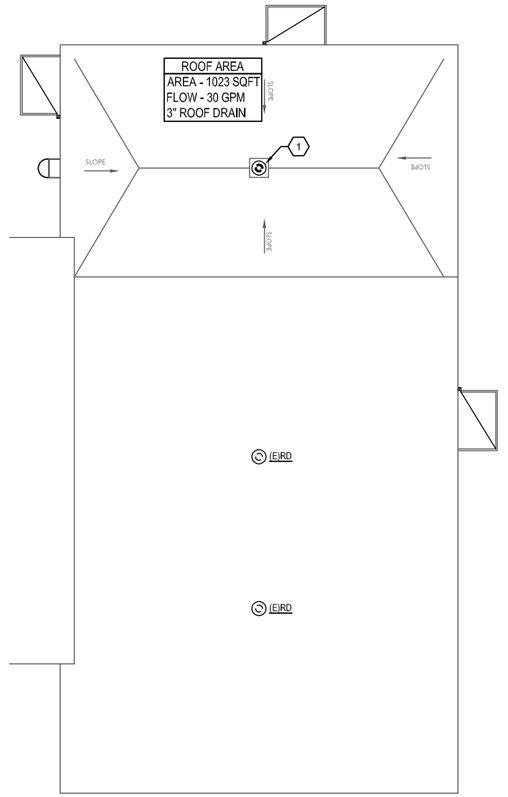
| LOCATION OF PROJECT: MANCHESTER MP 340.15 | DATE: 07/30/25 |
| TITLE OF DRAWING: PLUMBING REMOVAL PLAN | DRAWING NUMBER: PD101 |




1 PLUMBING – OVERALL FLOOR PLAN

SCALE: 1/16" = 1'-0"




2 PLUMBING – PARTIAL ROOF PLAN

SCALE: 1/16" = 1'-0"

## KEYED NOTES: ⟨#⟩

1. PROVIDE 3" ROOF DRAIN.

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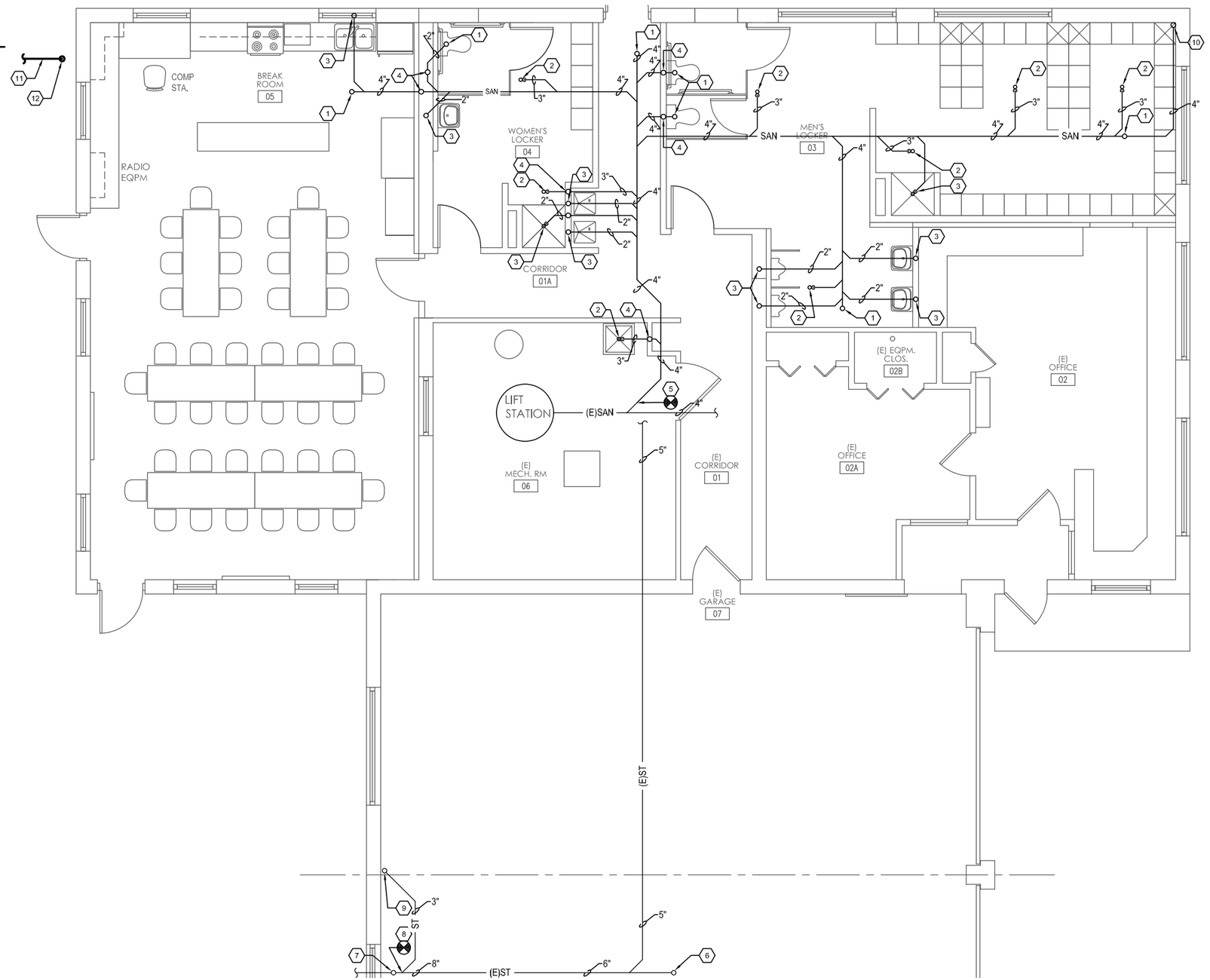
| TITLE OF PROJECT: ADDITIONS TO MAINTAINACE SECTION | CONTRACT NUMBER: TAS 25-9A |
| LOCATION OF PROJECT: MANCHESTER MP 340.15 | DATE: 07/30/25 |
| TITLE OF DRAWING: PLUMBING FLOOR PLANS | DRAWING NUMBER: P101 |

## KEYED NOTES: (#)

1. 4" SAN UP.
2. 3" SAN UP.
3. 2" SAN UP.
4. 2" VENT UP.
5. CONNECT 4" SAN TO EXISTING 4" SAN. CONFIRM ELEVATION OF SANITARY PIPING BEFORE NEW WORK BEGINS.
6. EXISTING 6" ST UP.
7. EXISTING 8" ST UP.
8. CONNECT 4" ST TO EXISTING 8" ST.
9. 3" ST UP.
10. 4" VENT UP.
11. COORDINATE WITH NATIONAL FUEL GAS FOR SERVICE RELOCATION.
12. GAS SERVICE PIPING UP TO METER.




1 PLUMBING – ENLARGED BELOW FLOOR PLAN

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

DRAFTED BY: MRC
CHECKED BY: GMM/AJW
DESIGNED BY: MRC
BUREAU DIRECTOR: J.L. MORRIS

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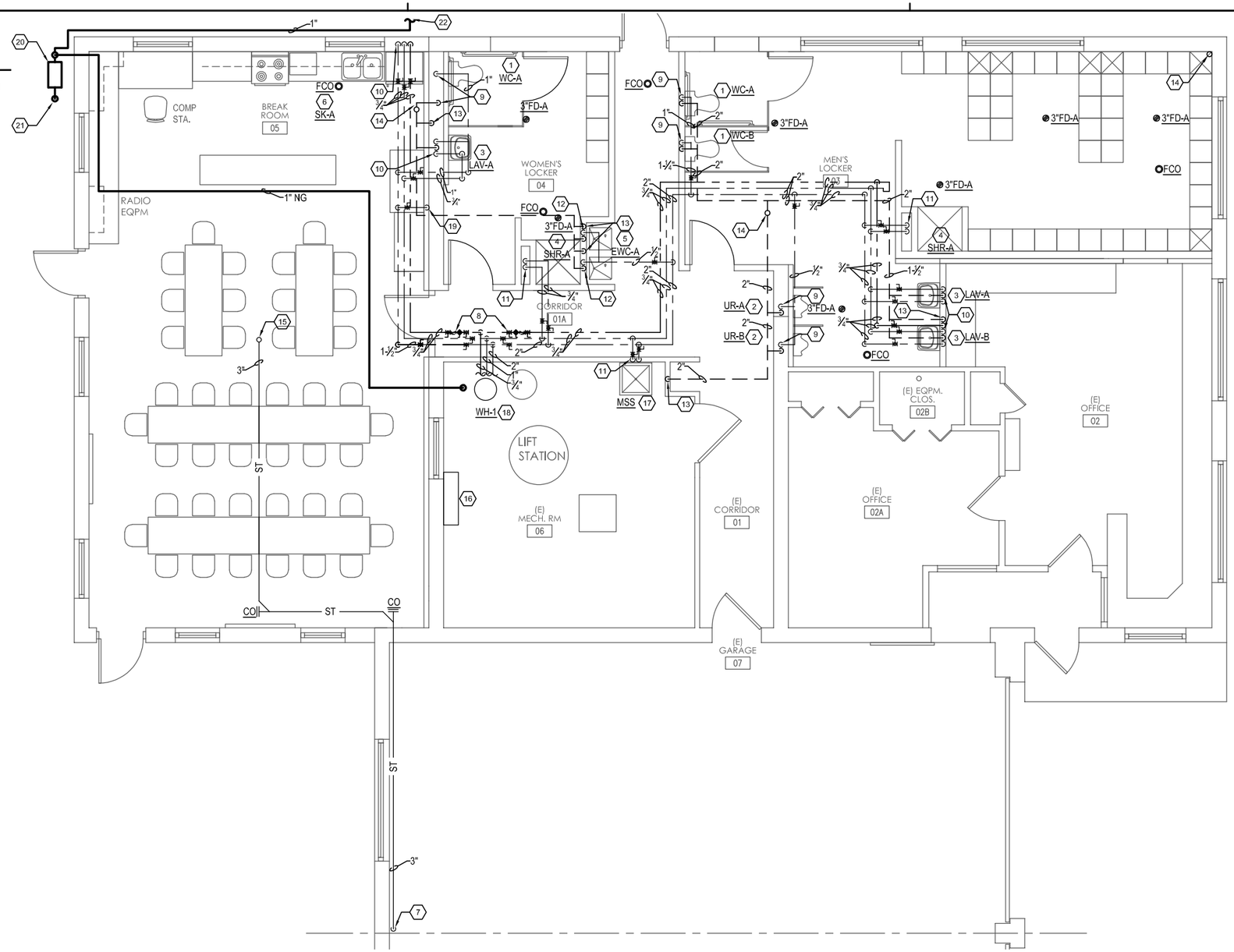
| TITLE OF PROJECT: ADDITIONS TO MAINTAINACE SECTION | CONTRACT NUMBER: TAS 25-9A |
| LOCATION OF PROJECT: MANCHESTER MP 340.15 | DATE: 07/30/25 |
| TITLE OF DRAWING: PLUMBING ENLARGED FLOOR PLAN | DRAWING NUMBER: P400 |

## KEYED NOTES: (#)

1. PROVIDE WATER CLOSET AND ALL ASSOCIATED CW, SAN AND VENT BRANCH PIPING.
2. PROVIDE WALL MOUNTED URINAL, CARRIER AND ALL ASSOCIATED CW, SAN AND VENT BRANCH PIPING.
3. PROVIDE WALL MOUNTED LAVATORY, CARRIER AND ALL CW, HW, SAN AND VENT BRACH PIPING.
4. PROVIDE SHOWER BASE, MIXING VALVE, HEAD AND ALL ASSOCIATED CW, HW, SAN AND VENT BRANCH PIPING.
5. PROVIDE ELECTRIC WATER COOLER, CARRIER AND ALL ASSOCIATED CW, SAN AND VENT PIPING.
6. PROVIDE DROP-IN DOUBLE BASIN SINK AND ALL ASSOCIATED CW, HW, SAN AND VENT BRANCH PIPING.
7. 3" ST DN. PROVIDE CLEANOUT AT BASE.
8. PROVIDE BALL, CHECK AND MEMORY STOP BALANCING VALVES ON DOMESTIC HOT WATER RECIRCULATION PIPING, 1 GPM.
9. 1" CW AND 2" VENT DN.
10. ½" CW, ½" HW AND ½" HWR DN.
11. ½" CW AND ½" HW DN.
12. ½" CW AND 1-½" VENT DN.
13. 2" VENT DN.
14. 4" VENT THRU ROOF.
15. 3" ST UP.
16. NEW 2" BACKFLOW PREVENTOR. EXISTING METER TO BE REUSED.
17. PROVIDE MOP SINK AND ALL ASSOCIATED CW, HW, SAN AND VENT PIPING.
18. PROVIDE ELECTRIC DOMESTIC WATER HEATER, CIRCULATION PUMP, EXPANSION TANK AND ALL ASSOCIATED BRANCH CW, HW AND HWR PIPING.
19. 1/2" CW DOWN FOR ICE MACHINE.
20. COORDINATE WITH NATIONAL FUEL GAS FOR RELOCATED SERVICE AND NEW METER.
21. GAS SERVICE PIPING FROM BELOW GRADE.
22. PROVIDE 1" GAS PIPING TO MECHANICAL SYSTEM AIR HANDLING UNIT. RUN PIPING ON EXTERIOR OF BUILDING, 18 INCHES ABOVE GRADE. PAINT WITH PRIME COAT AND TWO FINISH COATS OF PAINT. CLEAN PIPING BEFORE PAINTING. PROVIDE SHUT-OFF VALVE, UNION, DIRT LEG, AND FLEXIBLE CONNECTION. COORDINATE WITH MC FOR EXACT LOCATION AND REQUIREMENTS.




1 PLUMBING – FIRST FLOOR PLAN

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

| ALTERED ON: | AFFIXED ON: 07/30/2025 |
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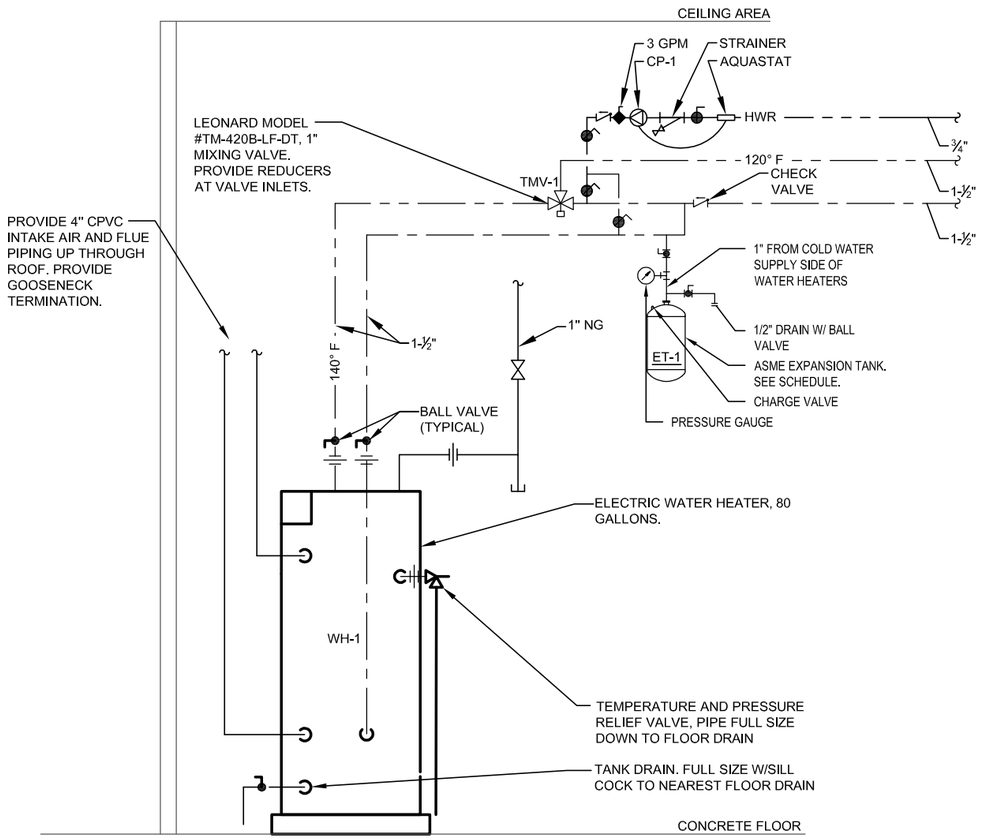
| LOCATION OF PROJECT: MANCHESTER MP 340.15 | DATE: 07/30/25 |
| TITLE OF DRAWING: PLUMBING ENLARGED FLOOR PLAN | DRAWING NUMBER: P401 |

DRAFTED BY: MRC
CHECKED BY: GMM/AW
DESIGNED BY: MRC
BUREAU DIRECTOR: J.L MORRIS




1 ELECTRIC DOMESTIC WATER HEATER (WH-1)

SCALE: NOT TO SCALE

## NATURAL GAS WATER HEATER SCHEDULE (WH)

| PLAN DESIGNATION | MANUFACTURER MODEL NO. | LOCATION | STORAGE TEMP (F) | RECOVERY (GPH) | TEMP. RISE (°F) | NG INPUT (BTU/HR) | EFFICIENCY (%) | TANK SIZE (GAL.) | NOTES |
|---|---|---|---|---|---|---|---|---|---|
| WH-1 | AO SMITH MODEL - BTH-150(A) | MECH/ CUST | 140 | 173 | 100 | 100,000 | 98 | 100 | 1, 2, 3 & 4 |

NOTES:
1. PROVIDE WATER HEATERS IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS WITH THE REQUIRED CLEARANCES. REFER TO SPECIFICATION SECTION 223400.
2. ASME TANK CERTIFIED FOR 160psi WITH ASME RELIEF VALVE (125 PSIG).
3. PROVIDE 4" HIGH HOUSEKEEPING PAD FOR WATER HEATER.
4. PROVIDE CONDENSATE NEUTRALIZATION KIT.

## PUMP SCHEDULE

| PLAN DESIGNATION | TYPE | MANUFACTURER MODEL No. | LOCATION | FLOW RATE (GPM) | HEAD (FT.) | ELECTRICAL DATA | | | NOTES |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | HP | RPM | VOLTS/PH/HZ | |
| CP-1 | HOT WATER RECIRCULATION PUMP (110°F) ADDITION | GRUNDFOS MODEL UP-26-99-BFC | MECH/ CUST -- | 8 | 28.0 | 1/6 | 3 SPEED | 120 / 1 / 60 | 1 & 2 |

NOTES:
1. LEAD-FREE BRONZE BODY WITH BRONZE FITTINGS (FOR POTABLE WATER APPLICATION).
2. PROVIDE COMBINATION AQUASTAT AND AUTO TIMER CLOCK KIT. - (GRUNDFOS UP TIMER AND AQUASTAT)

## EXPANSION TANK SCHEDULE (ET)

| PLAN DESIGNATION | ASSOCIATED SYSTEM | TANK VOLUME (GAL.) | ACCEPTANCE VOLUME (GAL.) | MAX. OPERATING PRESSURE | FILL PRESSURE | RELIEF VALVE SETTING | WEIGHT (LBS.) | MODEL No. |
|---|---|---|---|---|---|---|---|---|
| ET-1 | DOMESTIC HOT WATER SYSTEM WH-1 | 5 | 3.3 | 150 psig | 40 psig | 125 psig | 28 | WATTS REGULATOR MODEL DETA-12 ASME RATED |

GENERAL NOTES:
A. UNIT TYPE: PRESSURIZED VERTICAL EXPANSION TANK (DIAPHRAGM TYPE).
B. ASME CODE LABELED.
C. ADJUST FILL PRESSURE TO EQUAL ACTUAL STATIC SUPPLY PRESSURE OF WATER.
D. LOCATE ON COLD WATER SUPPLY TO WATER HEATER, DOWNSTREAM OF CHECK VALVE.

DRAFTED BY: MRC
CHECKED BY: GMM/AJW
DESIGNED BY: MRC
BUREAU DIRECTOR: J.J. MORRIS

| ALTERED ON: | AFFIXED ON: 07/30/2025 |
|---|---|
| SIGNATURE: STAMP: | SIGNATURE: STAMP: STATE OF NEW YORK ANDREW SEAN TAYLOR EXCELSIOR 081132 LICENSED PROFESSIONAL ENGINEER |

EXP DATE: 04/30/2027

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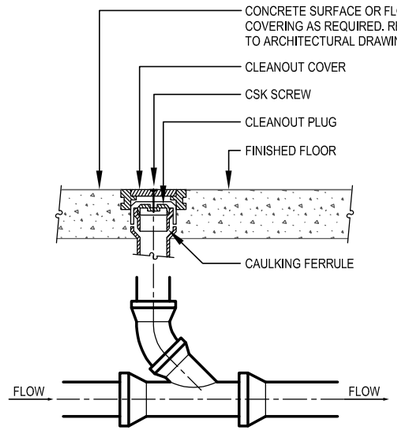
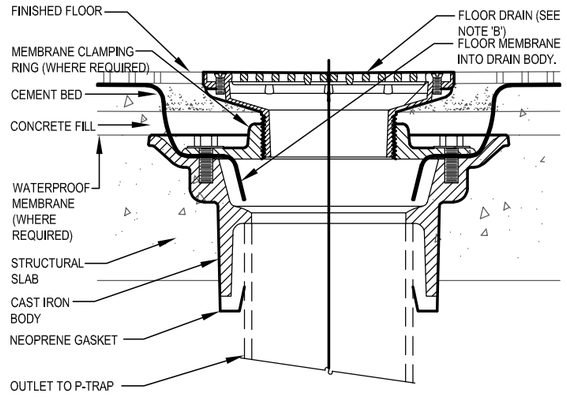
TITLE OF PROJECT: ADDITIONS TO MAINTAINACE SECTION
LOCATION OF PROJECT: MANCHESTER MP 340.15
TITLE OF DRAWING: PLUMBING DETAILS & SCHEDULES

CONTRACT NUMBER: TAS 25-9A
DATE: 07/30/25
DRAWING NUMBER: P501




3 FLOOR CLEANOUT PIPING

SCALE: NOT TO SCALE

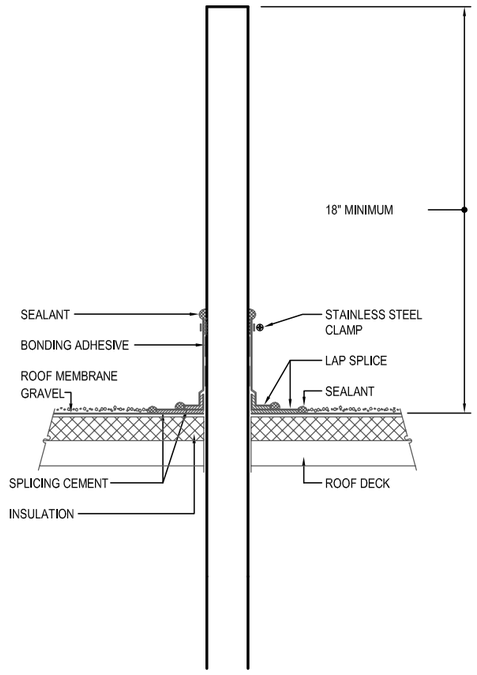



NOTE:

A. PROVIDE A DEEP SEAL TRAP IN ALL FLOOR DRAINS.
B. DRAIN PIPE SIZE AS INDICATED ON FLOOR PLANS.

2 FLOOR DRAIN MOUNTING

SCALE: NOT TO SCALE




1 VENT THROUGH FLAT ROOF

SCALE: NOT TO SCALE

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CHECKED BY: GMM/AJW
DESIGNED BY: MPC
CHECKED BY: GMM/AJW
BUREAU DIRECTOR: J.L. MORRIS

| ALTERED ON: | AFFIXED ON: 07/30/2025 |
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| SIGNATURE: STAMP: | SIGNATURE: STAMP: STATE OF NEW YORK ANDREW SEAN TAYLOR 108 1132 LICENSED PROFESSIONAL ENGINEER EXCELSIOR EXP DATE: 04/30/2027 |

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|---|---|
| TITLE OF PROJECT: ADDITIONS TO MAINTAINACE SECTION | CONTRACT NUMBER: TAS 25-9A |
| LOCATION OF PROJECT: MANCHESTER MP 340.15 | DATE: 07/30/25 |
| TITLE OF DRAWING: PLUMBING DETAILS | DRAWING NUMBER: P502 |

## ELECTRICAL ABBREVIATIONS LIST

| | |
|---|---|
| AFF | ABOVE FINISHED FLOOR |
| AFG | ABOVE FINISHED GRADE |
| BMS | BUILDING MANAGEMENT SYSTEM |
| C | CONDUIT |
| cd | CANDELLA |
| CKT | CIRCUIT |
| DISC | DISCONNECT |
| EWC | ELECTRIC WATER COOLER |
| EMT | ELECTRICAL METALLIC TUBING |
| ETR | EXISTING TO REMAIN |
| FBO | FURNISHED BY OTHERS |
| GFI | GROUND FAULT INTERRUPTER |
| GRC | GALVANIZED RIGID CONDUIT |
| IG | ISOLATED GROUND |
| MC | MOMENTARY CONTACT |
| MDP | MAIN DISTRIBUTION PANEL |
| MTD | MOUNTED |
| NEC | NATIONAL ELECTRICAL CODE |
| NEMA | NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION |
| NL | NIGHT LIGHT |
| NIC | NOT IN CONTRACT |
| OC | OVER THE COUNTER |
| PTZ | PAN, TILT, ZOOM |
| PVC | POLYVINYL CHLORIDE CONDUIT |
| REC | RECESSED |
| SM | SURFACE MOUNTED |
| SPD | SURGE PROTECTIVE DEVICE |
| SWBD | SWITCHBOARD |
| TVSS | TRANSIENT VOLTAGE SURGE SUPPRESSION |
| UC | UNDER COUNTER |
| UF | UNDERFLOOR |
| UG | UNDERGROUND |
| UTP | CATEGORY 6A UNSHIELDED TWISTED PAIR |
| VFD | VARIABLE FREQUENCY DRIVE |
| W | WATTS |
| WG | WIRE GUARD |
| WP | WATERPROOF (OR) WEATHERPROOF |
| XFMR | TRANSFORMER |

## ELECTRICAL GENERAL NOTES

A. CONTRACTOR IS RESPONSIBLE FOR APPROPRIATE FIELD VERIFICATION AND SCOPE OF WORK. CONTRACTOR SHALL PERFORM FIELD MEASUREMENTS AS REQUIRED AND BE RESPONSIBLE FOR PLANNING THE NEW CONSTRUCTION.

B. CONTRACTOR IS RESPONSIBLE FOR SITE INVESTIGATION PRIOR TO START OF WORK TO REVEAL EXISTING CONDITIONS

C. IT IS THE CONTRACTORS RESPONSIBILITY TO EXAMINE ALL DRAWINGS AND SPECIFICATIONS AND COORDINATE WORK WITH ALL OTHER DISCIPLINES.

D. CONTRACTOR IS RESPONSIBLE FOR ALL CUTTING, PATCHING AND REPAIRING OF MATERIALS AND FINISHES THAT ARE DISTURBED BY THEIR RESPECTIVE DISCIPLINES.

E. CONTRACTOR SHALL COORDINATE WITH THE MECHANICAL CONTRACTOR FOR ALL POWER CONNECTIONS AND FINAL EQUIPMENT.

F. CONTRACTOR SHALL PERFORM WORK ACCORDING TO CURRENT VERSION OF NEC, NFPA AND ALL APPLICABLE LOCAL, STATE AND FEDERAL CODES, INCLUDING CITY ORDINANCES AND OGS REQUIREMENTS.

G. CONTRACTOR SHALL COORDINATE ELECTRICAL WORK WITH AVAILABLE AS-BUILT INFORMATION.

## BRANCH WIRING

| | |
|---|---|
| 1 3 LLPB | BRANCH CIRCUIT TO PANELBOARD, WHEN SHOWN, LETTERING INDICATES PANELBOARD DESIGNATIONS. QUANTITY OF ARROWHEADS INDICATE QUANTITY OF BRANCH CIRCUITS. PROTECT EACH BRANCH CIRCUIT WITH A 20 AMPERE, 1-POLE OVERCURRENT DEVICE UNLESS OTHER SIZE INDICATED. TYPICAL DESIGNATION, (2#12,1#12G-3/4"C,20A-1P.) NUMERAL INDICATES CIRCUIT NUMBER. |
| 11 8 4 / 4 11 22 | ON BRANCH CIRCUITRY WHERE ONLY THE CIRCUIT NUMBER IS SHOWN, CIRCUIT WIRING DEVICES OR LUMINAIRES WITH THE SAME NUMBER TO THE CIRCUIT INDICATED WITH A HOMERUN TO EACH NUMBERED GROUP. CONNECT TO A 20A-1P CIRCUIT BREAKER, OR AS NOTED. NUMERAL INDICATES PANELBOARD CIRCUIT NUMBER. |

## ELECTRICAL SYMBOL LEGEND

### GENERAL

| | |
|---|---|
| ——— | EXISTING WIRING OR EQUIPMENT (LIGHT SOLID). |
| ——— | NEW WIRING OR EQUIPMENT, THIS PROJECT (HEAVY SOLID). |
| — — — | EXISTING WIRING OR EQUIPMENT TO BE REMOVED, THIS PROJECT (DASHED) |
| # | DEMOLITION KEYED DRAWING NOTE. |
| # | NEW CONSTRUCTION KEYED DRAWING NOTE. |
| X / YYYY | DETAIL CALL OUT. "X" INDICATES DETAIL NUMBER WITHIN IDENTIFIED SHEET, "Y" INDICATES SHEET NUMBER. |

### LIGHTING

| | |
|---|---|
| A,a,1 A,a,1 A,a,1 A,a,1 | LIGHTING FIXTURE. UPPER CASE LETTER INDICATES FIXTURE TYPE AS DESCRIBED IN LUMINAIRE SCHEDULE. LOWER CASE LETTER(S) INDICATE SWITCHING. NUMBER INDICATES CIRCUIT NUMBER OF POWER SOURCE. HATCHING INDICATES AN EMERGENCY POWERED LIGHT FIXTURE. |
| | EMERGENCY LIGHTING UNIT CONNECTED TO UNSWITCHED LIGHTING CIRCUIT WITHIN SPACE. REFER TO LIGHTING FIXTURE SCHEDULE FOR ADDITIONAL INFORMATION. |
| | EXIT SIGN, ARROW(S) INDICATE DIRECTIONAL CHEVRONS. REFER TO LIGHTING FIXTURE SCHEDULE FOR ADDITIONAL INFORMATION. |
| | OUTDOOR WALL MOUNT FIXTURE WITH INTEGRAL PHOTOCELL CONTROL. REFER TO LIGHTING FIXTURE SCHEDULE FOR ADDITIONAL INFORMATION. |

### DEVICES

| | |
|---|---|
| | DUPLEX RECEPTACLE - UPPER CASE LETTERS INDICATE TYPE AS FOLLOWS:<br>IG - ISOLATED GROUND; AF - ARC FLASH<br>TR - TAMPER RESISTANT; SM - SURFACE MOUNTED<br>OC - ABOVE COUNTER; WP - WEATHER PROOF<br>TVSS - TRANSIENT VOLTAGE SURGE SUPPRESSION; USB - USB RECEPTACLE |
| | QUAD RECEPTACLE |
| | SWITCHED DUPLEX RECEPTACLE |
| | DUPLEX RECEPTACLE, GFCI TYPE. |
| 6-30R | SPECIAL PURPOSE RECEPTACLE, TAG INDICATES NEMA CONFIGURATION. |
| PB | PUSHBUTTON-KEYED NOTES INDICATE TYPE AND FUNCTION |
| | TELEPHONE OUTLET, INTERCOMMUNICATION SYSTEM. "WM" INDICATES WALL MOUNTED OUTLET. |
| | DATA COMMUNICATIONS SYSTEM OUTLET |
| | TELEPHONE AND DATA OUTLET, INTERCOMMUNICATION SYSTEM |
| TV | CABLE TELEVISION OUTLET AND POWER LOCATION. REFER TO DETAIL FOR ADDITIONAL INFORMATION. |
| $ | AC LIGHTING SWITCH,UPPER CASE LETTER(S) OR NUMBER INDICATE TYPE AS FOLLOWS:<br>3 = THREE WAY; 4 = FOUR WAY; K = KEYED<br>T = TIMER; L = ILLUMINATED; P= PILOT<br>D = DIMMER<br>LOWER CASE LETTER(S) SIGNIFY SWITCHING DESIGNATIONS. QUANTITY OF LOWER CASE LETTERS EQUALS QUANTITY OF GANGED SWITCHES. |
| OS | OCCUPANCY SENSOR, CEILING MOUNTED. |
| OS | OCCUPANCY SENSOR, WALL MOUNTED. |
| PC | PHOTOCELL. |
| XX | FIRE ALARM SYSTEM, 120V SMOKE DETECTOR; PHOTOELECTRIC TYPE UNLESS INDICATED OTHERWISE.<br>CO = COMBINATION SMOKE DETECTOR/CARBON MONOXIDE ALARM |

### DISTRIBUTION AND MOTOR EQUIPMENT

| | |
|---|---|
| | NEW BRANCH CIRCUIT PANELBOARD. REFER TO PANEL BOARD SCHEDULE. |
| | EXISTING BRANCH CIRCUIT PANELBOARD. REFER TO PANEL BOARD SCHEDULE. |
| | ELECTRICAL MOTOR - NIC |
| 30 / 20 3R | DISCONNECT SWITCH, 3R INDICATES WEATHERPROOF (NEMA 3R)<br>30 — INDICATES SWITCH AMPERE RATING<br>20 — INDICATES FUSE SIZE - INDICATES NON FUSED |
| + | ELECTRICAL CONNECTION. CONTRACTOR SHALL PROVIDE A COMPLETE CONNECTION INCLUDING ALL REQUIRED FITTINGS AND ACCESSORIES. |
| # | ELECTRICAL CONNECTION IDENTIFICATION TAG ASSOCIATED WITH ELECTRICAL CONNECTION SYMBOL. REFER TO ASSOCIATED ITEM NUMBER WITHIN THE EQUIPMENT CONNECTION SCHEDULE FOR ADDITIONAL INFORMATION REGARDING ELECTRICAL CONNECTION. |
| XX - # | EQUIPMENT IDENTIFICATION TAG ASSOCIATED WITH ELECTRICAL CONNECTION SYMBOL. REFER TO EQUIPMENT CONNECTION SCHEDULE. |

NOTE: ABBREVIATIONS AND SYMBOLS ON THIS DRAWING ARE FOR REFERENCE ONLY, AND MAY NOT BE USED IN THE FOLLOWING DOCUMENTS.

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CHECKED BY:
CHECKED BY:
DESIGNED BY:
BUREAU DIRECTOR: J.L. MORRIS

ALTERED ON:
SIGNATURE:
STAMP:

AFFIXED ON: 07/30/2025
SIGNATURE:
STAMP:

STATE OF NEW YORK · ANDREW SEAN TAYLOR · 081132 · LICENSED PROFESSIONAL ENGINEER

EXP. DATE: 04/30/2027

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| TITLE OF PROJECT: ADDITIONS TO MAINTAINACE SECTION | CONTRACT NUMBER: TAS 25-9A |
| LOCATION OF PROJECT: MANCHESTER MP 340.15 | DATE: 07/30/2025 |
| TITLE OF DRAWING: ELECTRICAL SYMBOLS, ABBREVIATIONS, & NOTES | DRAWING NUMBER: EG100 |

## LIGHTING FIXTURE SCHEDULE

| TYPE | DESCRIPTION | LENS | DRIVER | LAMPS | FIXTURE WATTAGE |
|---|---|---|---|---|---|
| A | 2X4 RECESSED LED FLAT PANEL LIGHTING FIXTURE FOR USE MOUNTED IN GRID CEILING. NARROW ALUMINUM BEZEL TIGHTLY HELD TO CODE GUAGE STEEL BACK PLATE WITH SEAMLESS CORNERS AND INTEGRAL GRID CLIPS. SELECTABLE LUMEN OUTPUT AND CCT. PROVIDE SURFACE MOUNTING ACCESSORIES FOR MECHANICAL SPACES AND MOUNT TO WEB TRUSSES. DLC LISTED. AS MANUFACTURED BY COOPER METALUX, 24FPS SERIES, CATALOG NUMBER 24FPSL2SCT3 OR APPROVED EQUAL. | WHITE FROST SCRATCH RESISTANT LENS. | ELECTRONIC DIMMING DRIVER. | LED, 3534 LUMENS, 3500K CCT | 30 |
| EM | LED ARCHITECTURAL BUG EYE EMERGENCY LIGHT FIXTURE WITH TEST SWTICH AND INDICATOR LAMP. INJECTION MOLDED, COLOR STABLE, HIGH IMPACT UL 94-5V RATED PLYCARBONATE HOUSING AND MOUNTING PLATE. DESIGNER WHITE TEXTURED FINISH. SEALED LEAD CALCIUM MAINTANANCE FREE, LONG LIFE, FULL RECHARGE TIME BATTERY. AS MANUFACTURED BY COOPER SURE LITES CATALOG NUMBER CU2-LED OR APPROVED EQUAL. | POLYCARBONATE | ELECTRONIC | LED | 1 |
| W | SLIM LOW PROFILE LED WALL PACK LIGHT FIXTURE. ONE-PIECE DIE-CAST ALUMINUM HINGED REMOVABLE DOOR AND BACK BOX. EXTERNAL FIN DESIGN FOR HEAT EXTRACTION AND ONE-PIECE SILICONE GASKET BETWEEN DOOR AND BACKBOX. INTEGRAL PHOTOCELL. DLC LISTED, WET LOCATION LISTED AND IP66 RATED. AS MANUFACTURED BY COOPER LUMARK, XTOR SERIES, CATALOG NUMBER XTOR3BWPC1 OR APPROVED EQUAL. | IMPACT RESISTANT TEMPERED GLASS | ELECTRONIC | LED, 2710 LUMENS, 4000K CCT | 26 |
| X | COMMERCIAL POLYCARBONATE EXIT SIGN, SINGLE AND DOUBLE FACE. WHITE POLYCARBONATE HOUSING WITH RED LETTERING, UNIVERSAL MOUNT AND SELF DIAGNOSIS FEATURE. UL 924 COMPLIANT. AS MANUFACTURED BY COOPER SURE-LITES , LPX SERIES, CATALOG NUMBER LPX7SD90 OR APPROVED EQUAL. | N/A | INTEGRAL LED DRIVER | LED | 1 |

DRAFTED BY:
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DESIGNED BY:
CHECKED BY:
BUREAU DIRECTOR: J.L. MORRIS

| ALTERED ON: | AFFIXED ON: 07/30/2025 |
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| SIGNATURE: STAMP: | SIGNATURE: STAMP: STATE OF NEW YORK ANDREW SEAN TAYLOR 081132 LICENSED PROFESSIONAL ENGINEER EXCELSIOR EXP DATE: 04/30/2027 |

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| TITLE OF PROJECT: ADDITIONS TO MAINTAINACE SECTION | CONTRACT NUMBER: TAS 25-9A |
| LOCATION OF PROJECT: MANCHESTER MP 340.15 | DATE: 07/30/2025 |
| TITLE OF DRAWING: ELECTRICAL SCHEDULES | DRAWING NUMBER: EG800 |

## EQUIPMENT CONNECTION SCHEDULE

**KEY**

**DISCONNECT TYPE**
- A - NON-FUSED SAFETY SWITCH
- B - FUSED SAFETY SWITCH
- C - MOTOR SWITCH
- D - MOTOR SWITCH W/ THERMAL OVERLOAD
- E - CORD AND PLUG

**NEMA TYPE**
- 12 - NEMA 12 (INDOOR, OIL TIGHT)
- 3R - NEMA 3R (RAIN PROOF)
- 7 - NEMA 7 (EXPLOSION PROOF)
- 4 - NEMA 4 (WATERTIGHT)
- 4X - NEMA 4X (CORROSION/WATERTIGHT)
- 1 - NEMA 1 (INDOOR, DUST TIGHT)

**STARTER TYPE**
- MAG - MAGNETIC
- COMB - COMBINATION
- MAN - MANUAL
- RED - REDUCED VOLTAGE
- VFD - VARIABLE FREQUENCY DRIVE
- OTH - OTHER (SEE NOTES)
- VSC - VARIABLE SPEED CONTROL

**CONTROLS**
- 1 - START/STOP PUSH BUTTON W/ PILOT LIGHT IN COVER
- 2 - H-O-A SWITCH W/ PILOT LIGHT IN COVER
- 3 - AUXILLARY CONTACTS

**FURNISHED BY**
- GC - GENERAL CONTRACTOR
- MECH - DIVISION 23
- PLUMB - DIVISION 22
- ELEC - DIVISION 26

| ITEM NO | DESIGNATION | DESCRIPTION | LOCATION | HP | KW | AMPS | VOLTS | PH | PANEL | | BREAKER SIZE (EC TO PROVIDE) | WIRE | GND | CONDUIT SIZE | DISCONNECT TYPE | DISCONNECT NEMA TYPE | DISCONNECT SIZE (AMPS) | DISCONNECT FURNISHED BY | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | CP-1 | CONDENSATE PUMP | MECH. ROOM 06 | 1/6 | | | 120 | 1 | PD2 | | 20/1 | 2#12 | #12 | 3/4" | C | 1 | 20 | ELEC | |
| 2 | HVAC-1 | OUTDOOR AIR HANDLER | AT GRADE | | | 45 | 208 | 3 | PD2 | | 60/3 | 3#4 | #10 | 1" | A | 3R | 60 | ELEC | |
| 3 | VAV-01 | VARIABLE AIR VOLUME | BREAK ROOM 05 | | | 9 | 208 | 1 | | | 20/1 | 2#12 | #12 | 3/4" | C | 1 | 20 | ELEC | |
| 4 | VAV-02 | VARIABLE AIR VOLUME | BREAK ROOM 05 | | | 6 | 208 | 1 | | | 20/1 | 2#12 | #12 | 3/4" | C | 1 | 20 | ELEC | |
| 5 | VAV-03 | VARIABLE AIR VOLUME | BREAK ROOM 05 | | | 6 | 208 | 1 | | | 20/1 | 2#12 | #12 | 3/4" | C | 1 | 20 | ELEC | |
| 6 | VAV-04 | VARIABLE AIR VOLUME | BREAK ROOM 05 | | | 36.1 | 208 | 1 | | | 40/1 | 2#4 | #10 | 1" | C | 1 | 20 | ELEC | |
| 7 | VAV-05 | VARIABLE AIR VOLUME | BREAK ROOM 05 | | | 9 | 208 | 1 | | | 20/1 | 2#12 | #12 | 3/4" | C | 1 | 20 | ELEC | |
| 8 | VAV-06 | VARIABLE AIR VOLUME | BREAK ROOM 05 | | | 9 | 208 | 1 | | | 20/1 | 2#12 | #12 | 3/4" | C | 1 | 20 | ELEC | |
| 9 | WH-1 | WATER HEATER | MECH. ROOM 06 | | | 5 | 120 | 1 | PD2 | | 20/1 | 2#12 | #12 | 3/4" | C | 1 | 20 | ELEC | |
| 10 | HOOD | RANGE HOOD | BREAK ROOM 05 | | | 7.5 | 120 | 1 | PD2 | | 20/1 | 2#12 | #12 | 3/4" | C | 1 | 20 | ELEC | |
| 11 | | | | | | | | | | | | | | | | | | | |
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## GENERAL CONSTRUCTION NOTES:

A. IT IS THE CONTRACTORS RESPONSIBILITY TO EXAMINE ALL DRAWINGS AND SPECIFICATIONS AND COORDINATE WORK WITH ALL OTHER DISCIPLINES.

B. CONTRACTOR SHALL COORDINATE WITH THE MECHANICAL CONTRACTOR FOR ALL POWER CONNECTIONS AND FINAL EQUIPMENT. REFER TO EQUIPMENT CONNECTION SCHEDULE.

C. ALL CIRCUITS INDICATED SHALL BE POWERED FROM AND TERMINATED AT EXISTING TO REMAIN PANELS.

D. REUSE EXISTING LIGHTING CIRCUITS.

E. ALL NEW CIRCUIT BREAKERS SHALL MATCH THE INTERRUPTING CURRENT RATING OF EXISTING CIRCUIT BREAKER PANELS.

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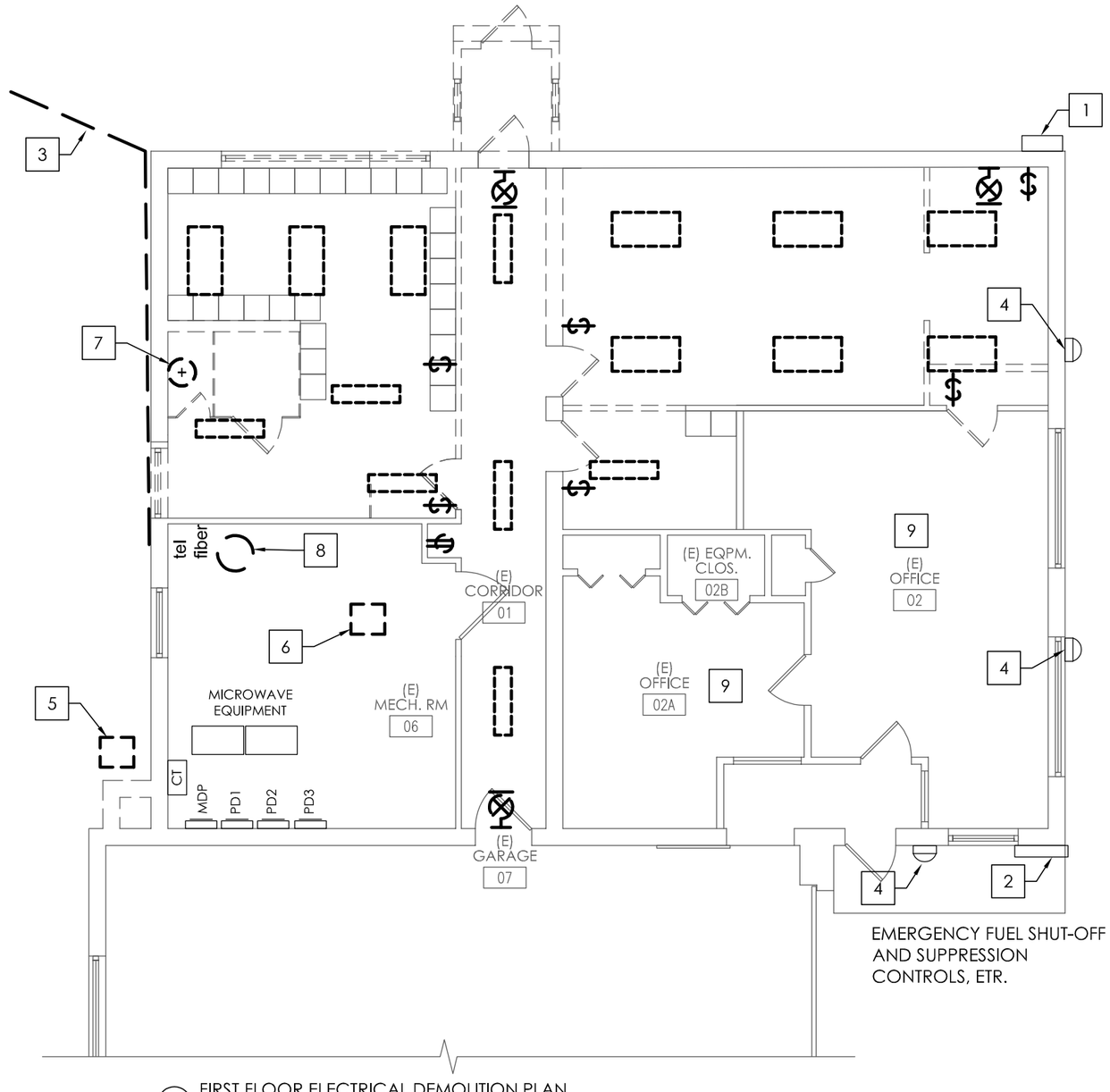
| TITLE OF PROJECT | ADDITIONS TO MAINTAINACE SECTION |
| LOCATION OF PROJECT | MANCHESTER MP 340.15 |
| TITLE OF DRAWING | ELECTRICAL SCHEDULES |
| CONTRACT NUMBER: | TAS 25-9A |
| DATE: | 07/30/2025 |
| DRAWING NUMBER: | EG801 |




1 FIRST FLOOR ELECTRICAL DEMOLITION PLAN
SCALE: 1/8"=1'-0"

EMERGENCY FUEL SHUT-OFF AND SUPPRESSION CONTROLS, ETR.

## GENERAL DEMOLITION NOTES:

A. REMOVE ALL LIGHTING FIXTURES AND CONTROLS ALONG WITH PATHWAY AND WIRING BACK TO SOURCE. REUSE EXISTING CIRCUITS IN ETR PANELBOARDS FOR NEW LOCATIONS. MAINTAIN ALL DOWNSTREAM DEVICES.

B. REMOVE ALL WIRING DEVICES ALONG WITH PATHWAY AND WIRING BACK TO SOURCE. REUSE EXISTING CIRCUITS IN ETR PANELBOARDS FOR NEW DEVICES. MAINTAIN ALL DOWNSTREAM DEVICES.

C. COORDINATE WITH OWNER IT DEPARTMENT TO REMOVE, STORE, AND RELOCATE DATA NETWORK EQUIPMENT IF INSIDE CONSTRUCTION AREA.

D. REMOVE ALL ELECTRICAL CONNECTIONS ALONG WITH PATHWAY AND WIRING BACK TO SOURCE FOR ALL MECHANICAL EQUIPMENT BEING REMOVED. COORDINATE REMOVALS WITH MECHANICAL CONTRACTOR. MAINTAIN ALL DOWNSTREAM DEVICES. REUSE EXISTING CIRCUITS FOR NEW EQUIPMENT.

E. DO NOT DISTURB EMERGENCY FUEL SHUT-OFF AND SUPPRESSION SYSTEM CONTROLS.

F. DO NOT DISTURB THE AUTHORITY'S FIBER OPTIC NETWORK TRUNK COMPONENTS.

G. PROVIDE TEMPORARY SERVICE TO BUILDING AS REQUIRED.

H. PROVIDE TEMPORARY POWER AND LIGHTING FOR CONSTRUCTION AREAS.

## KEYED DEMOLITION NOTES: #

1. EXISTING FIBER OPTIC PULL BOX TO REMAIN. MAINTAIN FACILITY NETWORK CONNECTION AND EXISTING FIBER BACKBONE CABLING IN PLACE THROUGHOUT CONSTRUCTION.
2. EXISTING TO REMAIN EMERGENCY FUEL SHUT-OFF AND SUPPRESSION SYSTEM CONTROLS. MAINTAIN OPERATION OF SYSTEM THROUGHOUT CONSTRUCTION.
3. DISCONNECT EXISTING SERVICE LATERAL BACK TO SERVICE POLE. COORDINATE ALL ASPECTS OF INSTALLATION WITH UTILITY PRIOR TO PERFORMING WORK.
4. DISCONNECT AND REMOVE EXTERIOR LIGHT FIXTURE. EXISTING CABLING TO REMAIN FOR REUSE.
5. DISCONNECT AND REMOVE CABLING TO CONDENSING UNIT. REMOVE ALL CONDUIT, CABLE AND ASSOCIATED HARDWARE BACK TO SOURCE.
6. DISCONNECT AND REMOVE CABLING TO FURNACE. REMOVE ALL CONDUIT, CABLE AND ASSOCIATED HARDWARE BACK TO SOURCE.
7. DISCONNECT AND REMOVE CABLING TO EXHAUST FAN. REMOVE ALL CONDUIT, CABLE AND ASSOCIATED HARDWARE BACK TO SOURCE.
8. DISCONNECT AND REMOVE CABLING TO WATER HEATER. REMOVE ALL CONDUIT, CABLE AND ASSOCIATED HARDWARE BACK TO SOURCE.
9. DISCONNECT AND REMOVE TEMPORARY SUPPORT LIGHTING AND CEILING MOUNTED DEVICES. EXISTING CABLING TO REMAIN FOR REUSE. DEVICES TO BE REINSTALLED. SEE DRAWING E102 FOR MORE INFORMATION.

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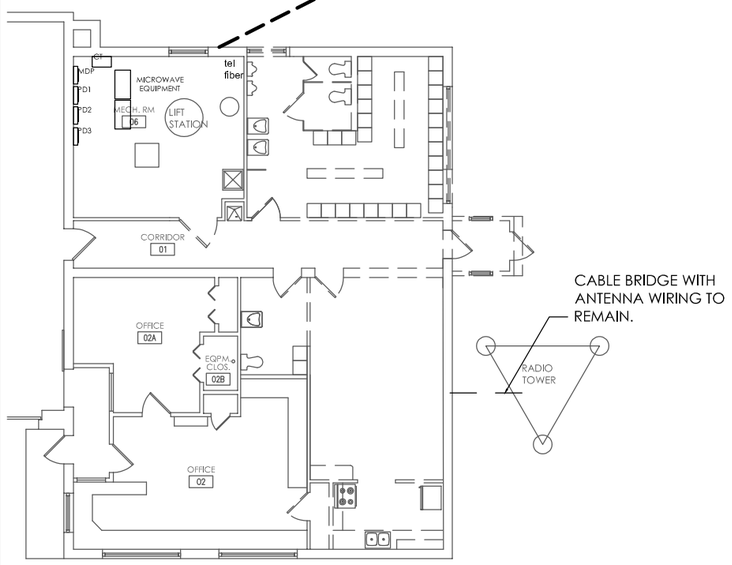
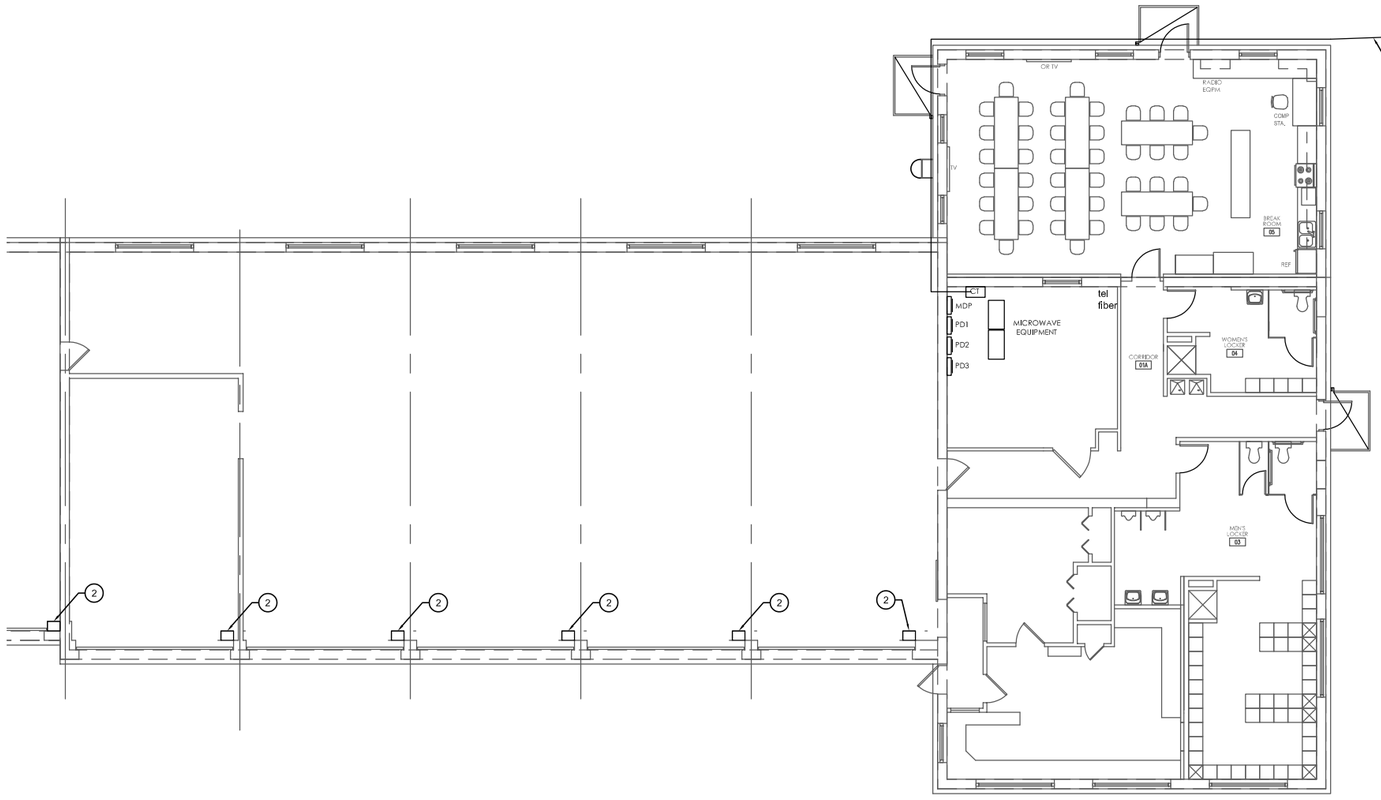
| TITLE OF PROJECT: ADDITIONS TO MAINTAINACE SECTION | CONTRACT NUMBER: TAS 25-9A |
| LOCATION OF PROJECT: MANCHESTER MP 340.15 | DATE: 07/30/2025 |
| TITLE OF DRAWING: FIRST FLOOR ELECTRICAL DEMOLITION PLAN | DRAWING NUMBER: ED101 |

APPROXIMATE LOCATION OF POWER POLE AND SERVICE TRANSFORMERS. REFER TO 1/E501 FOR ADDITIONAL INFORMATION.




1 SITE ELECTRICAL REMOVAL PLAN

SCALE: 1/16"=1'-0"




2 SITE ELECTRICAL PLAN

SCALE: 1/16"=1'-0"

## GENERAL CONSTRUCTION NOTES:

A. IT IS THE CONTRACTORS RESPONSIBILITY TO EXAMINE ALL DRAWINGS AND SPECIFICATIONS AND COORDINATE WORK WITH ALL OTHER DISCIPLINES.

B. CONTRACTOR SHALL COORDINATE WITH THE MECHANICAL CONTRACTOR FOR ALL POWER CONNECTIONS AND FINAL EQUIPMENT. REFER TO EQUIPMENT CONNECTION SCHEDULE.

C. ALL CIRCUITS INDICATED SHALL BE POWERED FROM AND TERMINATED AT EXISTING TO REMAIN PANELS.

D. REUSE EXISTING LIGHTING CIRCUITS.

## KEYED DEMOLITION NOTES: [#]

1. PROVIDE TEMPORARY SERVICE CONNECTION TO BUILDING, REMOVE EXISTING.

## KEYED CONSTRUCTION NOTES: (#)

1. PROVIDE NEW SERVICE LATERAL, SECURE TO BUILDING WITH STAINLESS STEEL HARDWARE. COORDINATE ADDITIONAL REQUIREMENTS WITH UTILITY. THE CONTRACTOR SHALL PAY ALL ADDITIONAL COSTS TO THE UTILITY COMPANY FOR CONNECTIONS. (PROPOSED ROUTING SHOWN)

2. DISCONNECT POWER TO EXISTING OVERHEAD DOOR OPERATOR TO ALLOW REPLACEMENT BY OTHERS. RECONNECT EXISTING POWER TO NEW DOOR OPERATOR AFTER INSTALLATION. EXTEND EXISTING CONDUIT AND CABLING AS REQUIRED. COORDINATE WITH OWNER AND ARCHITECT PRIOR TO PERFORMING WORK.

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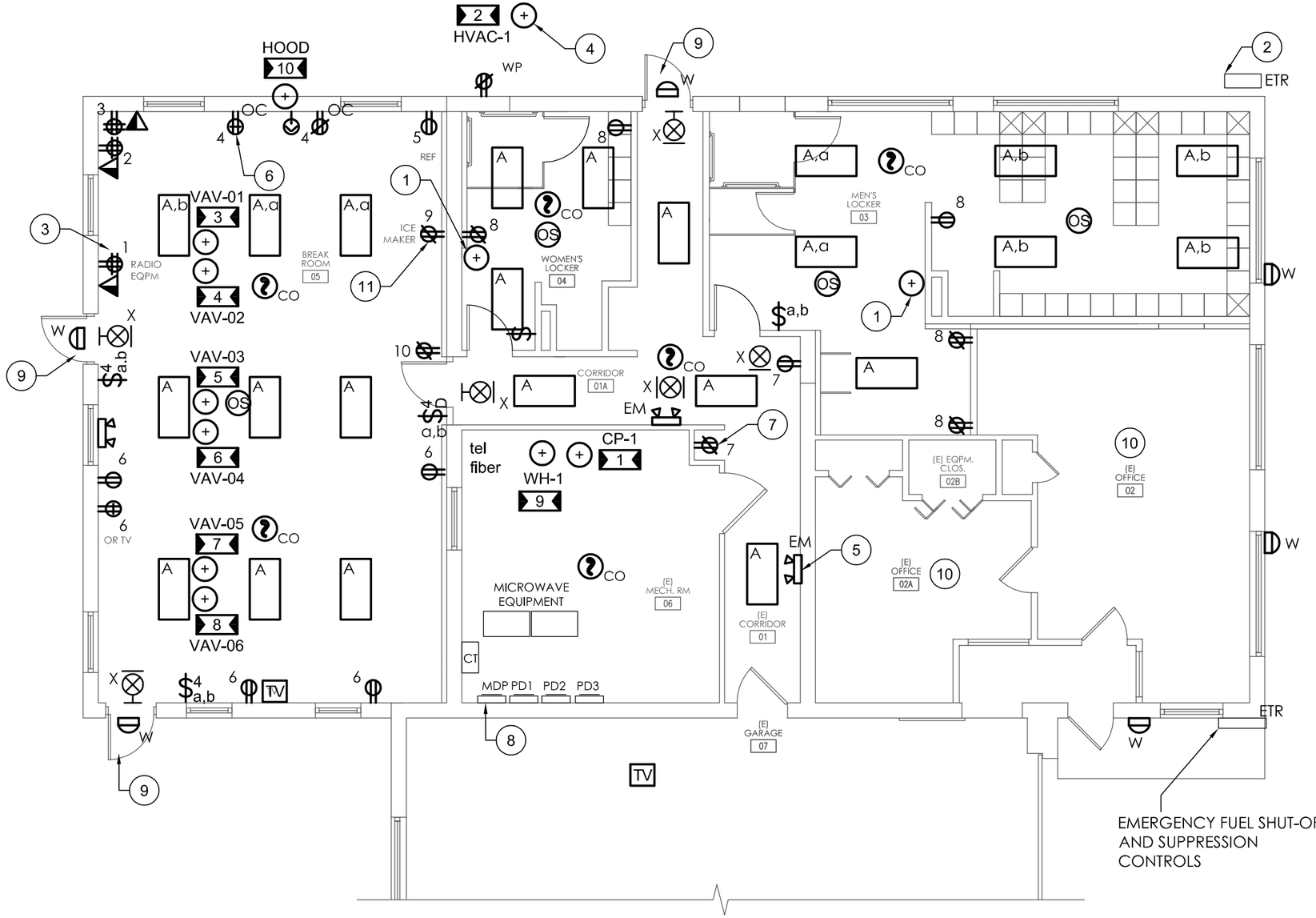
| TITLE OF PROJECT: ADDITIONS TO MAINTAINACE SECTION | CONTRACT NUMBER: TAS 25-9A |
| LOCATION OF PROJECT: MANCHESTER MP 340.15 | DATE: 07/30/2025 |
| TITLE OF DRAWING: FIRST FLOOR ELECTRICAL PLAN | DRAWING NUMBER: E101 |




1 FIRST FLOOR ELECTRICAL PLAN

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

## GENERAL CONSTRUCTION NOTES:

A. IT IS THE CONTRACTORS RESPONSIBILITY TO EXAMINE ALL DRAWINGS AND SPECIFICATIONS AND COORDINATE WORK WITH ALL OTHER DISCIPLINES.

B. CONTRACTOR SHALL COORDINATE WITH THE MECHANICAL CONTRACTOR FOR ALL POWER CONNECTIONS AND FINAL EQUIPMENT. REFER TO EQUIPMENT CONNECTION SCHEDULE.

C. ALL CIRCUITS INDICATED SHALL BE POWERED FROM AND TERMINATED AT EXISTING TO REMAIN PANELS.

D. REUSE EXISTING LIGHTING CIRCUITS.

E. ALL NEW CIRCUIT BREAKER SHALL MATCH THE INTERUPTING CURRENT RATING OF EXISTING CIRCUIT BREAKER PANELS.

F. WIRE ALL SMOKE/CARBON MONOXIDE DETECTORS TOGETHER WITH (2) # 12, #12 GND. IN 3/4" CONDUIT. INSTALL A DEDICATED 20/1 BREAKER FOR CIRCUIT IN AVAILABLE PANEL SPACE.

## KEYED CONSTRUCTION NOTES:

1. PROVIDE CONNECTION TO HAND DRYER BY OTHERS FROM PANEL PD2.
2. DO NOT DISTURB FIBER OPTIC PULL BOX OR UNDERGROUND CONDUITS.
3. RELOCATE RADIO AND TEL/DATA EQUIPMENT FROM EXISTING BREAK ROOM. REROUTE AND RECONNECT EXISTING CABLING AS REQUIRED.
4. PROVIDE CONNECTIONS TO HVAC EQUIPMENT BY OTHERS. COORDINATE PENETRATION AND EXACT LOCATION WITH DIV. 23.
5. MOUNT EMERGENCY LIGHT FIXTURE AT 7' A.F.F. TIE INTO UNSWITCHED PORTION OF LIGHTING CIRCUIT FEEDING THE AREA THE EM LIGHT IS INSTALLED. TYPICAL FOR ALL EM LIGHT FIXTURES.
6. RECEPTACLE FOR USE WITH MICROWAVE. COORDINATE LOCATION OF DEVICE WITH REQUIREMENTS OF MICROWAVE MANUFACTURER.
7. RECEPTACLE FOR USE WITH WATER COOLER. COORDINATE LOCATION OF DEVICE WITH REQUIREMENTS OF WATER COOLER MANUFACTURER.
8. DISCONNECT AND REMOVE EXISTING 400 AMP MAIN BREAKER. REPLACE WITH A 600 AMP MAIN BREAKER. BREAKER TO BE SERVICE ENTRANCE RATED. COORDINATE NEW BREAKER INTERRUPTING CURRENT WITH EXISTING PANEL.
9. INCORPORATE EXTERIOR DOOR IN TO EXISTING LENEL ACCESS CONTROL SYSTEM. PROVIDE IDENTICAL HARDWARE AS EXISTING EXTERIOR DOORS. PROVIDE POWER AND CONTROL CABLING AS REQUIRED.
10. REINSTALL TEMPORARY SUPPORT LIGHTS AND CEILING MOUNTED DEVICES THAT WERE DISCONNECTED DURING DEMOLITION. RECONNECT EXISTING CABLING AS REQUIRED.
11. RECEPTACLE FOR USE WITH ICE MAKER. PROVIDE A DEDICATED CIRCUIT.

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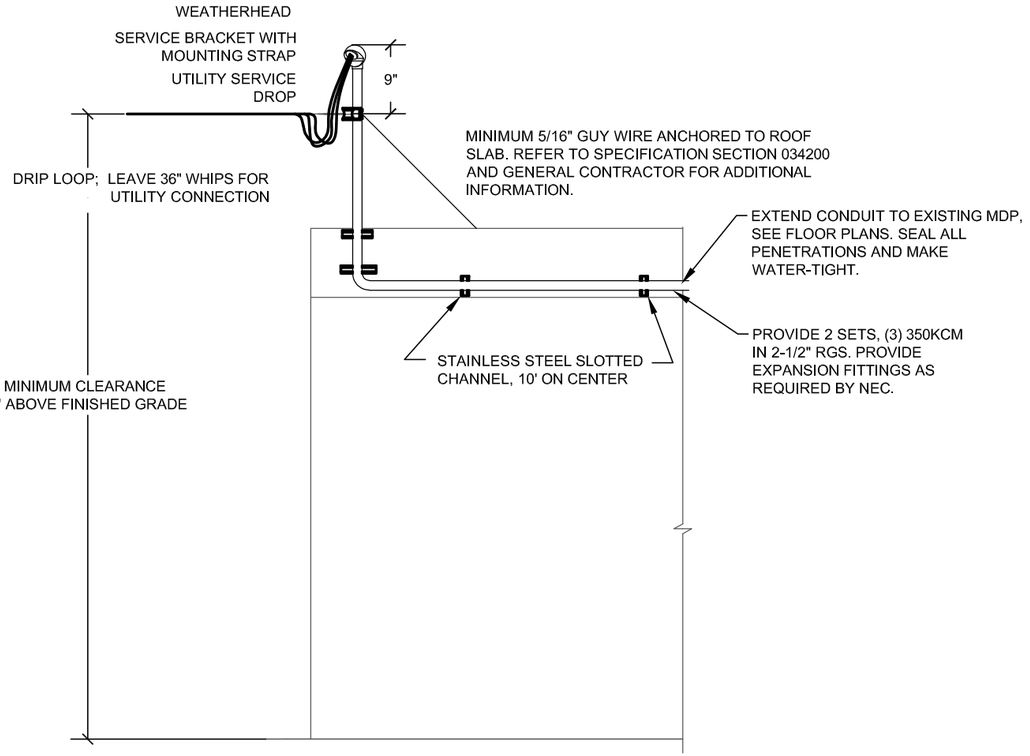
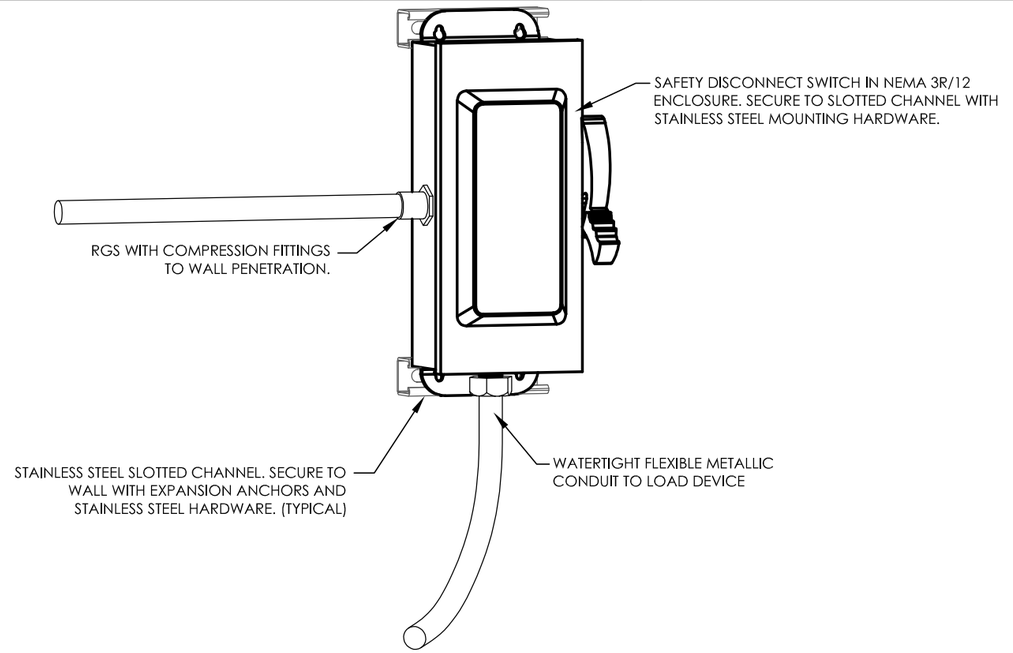
| LOCATION OF PROJECT: MANCHESTER MP 340.15 | DATE: 07/30/2025 |
| TITLE OF DRAWING: FIRST FLOOR ELECTRICAL PLAN | DRAWING NUMBER: E102 |




1 SERVICE LATERAL INSTALLATION DETAIL

SCALE: N.T.S.




## DETAIL GENERAL NOTES:

A. REFER TO FLOOR PLANS AND SCHEDULES FOR EXACT LOCATIONS AND DISCONNECT RATINGS.
B. COORDINATE WITH DIVISION 23 FOR ADDITIONAL WIRING REQUIREMENTS.
C. SECURE BRANCH CIRCUIT CONDUITS TO WALL WITHIN 12" OF ENCLOSURE AND AT 36" INTERVALS TO PENETRATION DEVICE.
D. MOUNT ON WALL 36" AFG TO BOTTOM OF ENCLOSURE.

2 OUTDOOR SAFETY SWITCH DETAIL

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| TITLE OF DRAWING: ELECTRICAL DETAILS | DRAWING NUMBER: E501 |