

# RESTROOM RENOVATION- CLAYTON PARK

## 3173 GARNET MINE RD, CONCORD TOWNSHIP

CLAYTON PARK

CONCORD TOWNSHIP PA



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### ABBREVIATIONS

|                                 |   |                           |                               |
|---------------------------------|---|---------------------------|-------------------------------|
| AB Anchor Bolt                  | EA Each                                       | JAN Janitor               | RJ Reveal joint               |
| AC Air Conditioning             | E JTC-1 Exp. Jt. Cover & Type                 | JT Joint                  | RM Room                       |
| ACOUS Acoustics                 | EL Elevation                                  | JUNC Juncture             | RO Rough opening              |
| ACP Acous Ceiling Panels        | ELEV Elevator                                 | LVT Luxury Vinyl Tile     | RRP Radius reference point    |
| ACT-1 Acous ceiling tile & type | EMER Emergency                                | LAV Lavatory              | RWC Rainwater conductor       |
| AD Access door                  | ENTR Entrance                                 | LP Low Point              |                               |
| ADH Adhesive                    | EP Extruded Polystyrene                       | LTG Lighting              |                               |
| ADJ Adjustable                  | EPS Equal                                     | MSNRY Masonry             | SAB Sound attenuation blanket |
| AFF Above finished floor        | EQ Expanded Polystyrene                       | MATL Material             | SVF Seamless vinyl flooring   |
| ALT Alternate                   | ER Existing to remain                         | MAX Maximum               | SCW Solid core wood           |
| ALUM Aluminium                  | ESB Exterior soffit board                     | MB Mail box               | SCHED Schedule                |
| ANDZ Anodize                    | EWK Electric water cooler                     | MC Mineral core           | SHLVS Shelves                 |
| APPROX Approximate              | EXH Exhaust                                   | MEMB Membrane             | SHT Sheet                     |
| A.P. Access panel               | EXP Exposed                                   | MFR Manufacturer          | SHTHG Sheathing               |
| ARCH Architect                  | EXT Expansion joint                           | MIN Minimum               | SIM Similar                   |
| ASBLY Assembly                  | E JT Existing                                 | MIR Mirror                | SLNT Sealant                  |
| ASL Above slab                  |   | MISC Miscellaneous        | SPEC Specification            |
|                                 |   | MLWK Millwork             | SF Square foot                |
| BAL Balance                     | FB Face Brick                                 | MM Millimeter             | SFT Structural facing tile    |
| B&B Balled & bagged             | FEC Fire extinguisher cabinet                 | MO Masonry Opening        | STD Standard                  |
| BD Board                        | FHC Fire hose & valve cabinet                 | MR Membrane Roofing       | STL Steel                     |
| BEV Beveled                     | FD Floor drain                                | MTD Mounted               | STOR Storage                  |
| BI Birch                        | FL Floor                                      | MTL Metal                 | STRUC. Structure              |
| BITUM Bituminous                | FLUOR Fluorescent                             | MULL Mullion              | ST STL Stainless steel        |
| BKSPL Backsplash                | FDN Foundation                                |                           | SURF Surface                  |
| BL Borrowed light               | FFRFG Fireproofing                            |                           | SUSP Suspended                |
| BLK Block                       | FSR Flexible sheet roof                       | NAT Natural (finish)      | SYST System                   |
| BLKG Blocking                   | FT Feet                                       | N North                   |                               |
| BM Beam                         | FTG Footing                                   | NIC Not in contract       |                               |
| BOT Bottom                      | FUR Furring                                   | NO Number                 |                               |
| BRCC Bracing                    |   | NDM Nominal               |                               |
| BRG Bearing                     |   | NTS Not to scale          |                               |
| BRK Brick                       | GA Gauge                                      |                           | TB Tackboard                  |
| BS Both sides                   | GALV Galvanized                               |                           | TD Towel Dispenser            |
|                                 | GB Grab bar                                   | O Oak                     | TDR Towel Dispenser Receptor  |
| CAB Cabinet                     | GC General contractor                         | OA Overall                | THOLD Threshold               |
| CASBD Casing bed                | GFB Glazed Face Brick                         | OC On Center              | TEMP Tempered                 |
| CB Chalkboard                   | GRB Glass fiber board                         | OD Outside Diameter       | TME To Match Existing         |
| CH Ceramic                      | GL Glass                                      | O.H. Opposite Hand        | T.O. Top of                   |
| CH Ceiling height               | GL CMU Glazed CMU                             | OHD Overhead              | TPH Toilet paper holder       |
| CJT Control joint               | GR Grade                                      | OPG Opening               | TR Through roof               |
| CLG Ceiling                     | GRN Granite                                   | OPP Opposite              | TRZ Terrazzo                  |
| CLR Clear or clearance          | GWB Gypsum wallboard                          |                           | TSL Top of slab               |
| CMU Concrete masonry unit       | GYP Gypsum                                    | PC Piece                  | TSTL Top of steel             |
| COL Column                      |   | PLAM Plastic Laminote     | T.O.W. Top of wall            |
| COMB Combination                | HB Hose Bib                                   | PLAS Plaster              | TYP Typical                   |
| CONC Concrete                   | HC Hollow core                                | PNT Point                 | UL UNDERWRITER LABORATORY     |
| CONSTR Construction             | HDWE Hardware                                 | POLYC Polycarbonate       | U.O.N. UNLESS OTHERWISE NOTED |
| CONT Continuous                 | HM Hollow metal                               | PR Pair                   | VAR Varies                    |
| CPT Carpet                      | HCAP Handicapped                              | PRTN Partition            | VB Vinyl Base                 |
| CPS Course                      | HNDRL Handrail                                | PNT Point                 | VCT Vinyl composite tile      |
| CS Cast stone                   | HORIZ Horizontal                              | PTCL BD Partial Board     | VERT Vertical                 |
| CSP Concealed                   | HP High Point                                 | PTD Painted               | VA Veterans Administration    |
| CT Ceramic tile                 | HT Height                                     | PLWD Plywood              | VST Vinyl Stair Tread         |
| CTR Center                      | HVAC Heating, ventilation, & air conditioning | R&S Rod & Sheif           | VWC Vinyl wall covering       |
| CW Curtain wall                 | HYD Hydrant                                   | RAD Radius                | W/ With                       |
| CUT Conductive vinyl tile       |   | RD Roof drain             | W/O Without                   |
|                                 |   | RCF Raised computer floor | WO Wood                       |
| DBLE Double                     | ID Inside diameter                            | REC Recessed              | WO Window opening             |
| DBL ACT Double Acting           | IFS Insulation & finish                       | REC EP Receptacle         | WPRFG Waterproofing           |
| DIA Diameter                    | INS Insulation                                | REF Reference             |                               |
| DIM Dimension                   | INVT Invert                                   | REFL Reflective           |                               |
| DN Down                         | INT Interior                                  | REINF Reinforcing         |                               |
| DPFRG Dampproofing              |   | REQD Required             |                               |
| DS Downspout                    |   | REV Revision              |                               |
| DWGS Drawings                   |   | RFG Roofing               |                               |

### DRAWING INDEX

| DWG NO.              | DWG DATE   | REV. # | REV. DATE | DRAWING TITLE                                       |
|----------------------|------------|--------|-----------|---|
| <b>ARCHITECTURAL</b> |            |        |           |   |
| CS                   | 07-07-2024 |        |           | COVER SHEET   |
| A1                   | 07-07-2024 |        |           | FLOOR PLAN & SITE PLAN                              |
| A2                   | 07-07-2024 |        |           | EXISTING ELEVATIONS (DEMOLITIONS)                   |
| A3                   | 07-07-2024 |        |           | PROPOSED ELEVATIONS                                 |
| A4                   | 07-07-2024 |        |           | REFLECTED CLG. PLANS & INT. ELEV. S                 |
| A5                   | 07-07-2024 |        |           | HC RESTROOM PLANS & ELEVATIONS                      |
| A6                   | 07-07-2024 |        |           | SECTIONS & SCHEDULES                                |
| A7                   | 07-07-2024 |        |           | DETAILS   |
| A8                   | 07-07-2024 |        |           | DETAILS   |
| A9                   | 07-07-2024 |        |           | DETAILS   |
| <b>PLUMBING</b>      |            |        |           |   |
| P000                 | 07-07-2024 |        |           | PLUMBING SYMBOLS & ABBREVIATIONS                    |
| P100                 | 07-07-2024 |        |           | PLUMBING DEMOLITION & NEW INSTALLATION PLAN         |
| P101                 | 07-07-2024 |        |           | PLUMBING SANITARY AND DOMESTIC RISER DIAGRAMS       |
| P102                 | 07-07-2024 |        |           | PLUMBING FIXTURE SHEETS                             |
| <b>ELECTRICAL</b>    |            |        |           |   |
| E000                 | 07-07-2024 |        |           | ELECTRICAL SYMBOLS AND ABBREVIATIONS                |
| E100                 | 07-07-2024 |        |           | ELECTRICAL DEMOLITION PLANS                         |
| E101                 | 07-07-2024 |        |           | ELECTRICAL POWER AND LIGHTING PLANS                 |
| E200                 | 07-07-2024 |        |           | SINGLE LINE, PANEL SCHEDULE, WIRING CHART AND NOTES |

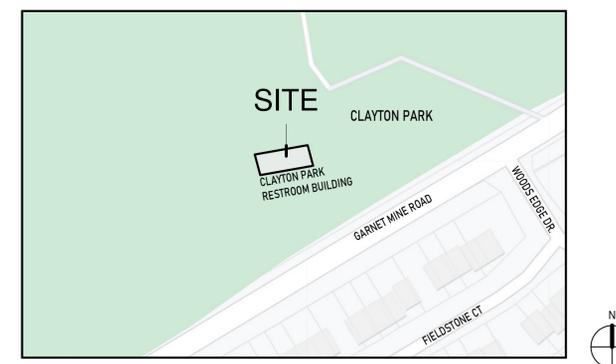
### BUILDING CODE/DATA

|                   |  |
|-------------------|--|
| BUILDING CODE     | 2018 IBC/ 2018 IEBC                                |
| CONSTRUCTION TYPE | 5B   |
| APPLICABLE CODES: |  |
|                   | INTERNATIONAL PLUMBING CODE 2018 (IPC)             |
|                   | INTERNATIONAL MECHANICAL CODE 2018 (IMC)           |
|                   | INTERNATIONAL ENERGY CONSERVATION CODE 2018 (IECC) |

### SYMBOLS LEGEND

|  |                        |  |                    |  |                    |
|--|------------------------|--|--------------------|--|--------------------|
|  | ROUGH WOOD             |  | WINDOW TYPE NOTE   |  | DETAIL TARGET      |
|  | WOOD SHIM              |  | DOOR TYPE NOTE     |  | FLOOR ELEVATION    |
|  | FINISH WOOD            |  | PARTITION TYPE     |  | GLASS TYPE         |
|  | PLYWOOD                |  | INTERIOR ELEVATION |  | DETAIL REFERENCE   |
|  | RIGID INSULATION, EIFS |  | EXTERIOR ELEVATION |  | FINISH LABEL       |
|  | BATT INSULATION        |  | NORTH ARROW        |  | CEILING TYPE LABEL |
|  | EARTH                  |  |                    |  |                    |
|  | GRAVEL                 |  |                    |  |                    |
|  | STRUCTURAL CONCRETE    |  |                    |  |                    |
|  | BRICK                  |  |                    |  |                    |
|  | CONCRETE MASONRY UNIT  |  |                    |  |                    |
|  | STEEL                  |  |                    |  |                    |

### LOCATION MAP

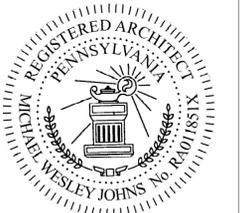


### GENERAL NOTES

- All dimensions are finish dimensions.
- Definitions:
  - Remove: Detach items from existing construction and legally dispose of them off-site, unless noted to be removed and salvaged or removed and reinstalled.
  - Remove and Salvage: Detach items from existing construction and deliver, ready for reuse, as directed by County of Delaware(COD).
  - Remove and Reinstall: Detach item from existing construction, prepare them for reuse, and reinstall them where indicated.
  - Existing to Remain: Existing items of construction that are not to be removed and that are not otherwise indicated to be removed, removed and salvaged, or removed and reinstalled.
- All work shall be done in accordance with 2018 IBC / IRC applicable and all local/state ordinances.
- All electrical work is to be installed per the latest edition of the national Electrical Code and applicable COD Codes. The completed work is to be certified by an underwriting agency approved by COD.
- The contractor shall secure and pay for the building permit. The contractor, and/or his subcontractors, shall secure and pay for all other permits and governmental fees, licenses, and inspections necessary for proper execution and completion of the work.
- The contractor and his subcontractors to comply with all laws, ordinances, rules, regulations, and orders of any public authority having jurisdiction on the performance of the work.
- The contractor shall comply with and give notices required by laws, ordinances, rules, regulations and lawful orders of public authorities bearing on performance of the work.
- The contractor to carefully study and compare the Contract Documents with each other and with information furnished by COD and shall report any errors, inconsistencies, or omissions discovered to the Architect and to COD.
- Contractor is responsible for providing all temporary services and facilities during construction including but not limited to water, electricity, dumpster, job trailer.
- The contractor shall be responsible for compliance with all OSHA regulations.
- The contractor to take field measurements and verify field conditions before proceeding with any work and shall be responsible for same.
- The contractor is responsible for cutting, fitting or patching required to complete the work or to make its parts fit together properly.
- The contractor to keep the premises and surrounding area free from accumulation of waste materials or rubbish caused by construction operations.
- The contractor to provide secure temporary supports as required and maintain same until permanent supports are fully in place.
- All guardrails to be 36" A.F.F. and balusters spaced so that 4" diam sphere cannot pass through any point.
- Smoke detectors shall be wired to the primary power source with battery back-up. Actuation of one unit shall sound alarm on all units. Provide detectors in all areas required by code and as per drawings.
- All pipes passing through the foundation are to pass through a sleeve size larger than the pipe it serves. Pack the annular space and seal with a waterproof sealant.
- Provide only 1.6 gallon per flush toilets and 3 GPM fixtures max.
- No lead solder.
- Plumbing, mechanical and all other prefabricated equipment to have approval labels and instructions attached at time of inspection.
- Use moister resistant GWB in all wet areas.



SEAL:



| Mark | Revisions | Date |
|------|-----------|------|
|------|-----------|------|

ALL DIMENSIONS AND RELATIONSHIPS MUST BE VERIFIED BY CONTRACTOR. THE ARCHITECT IS TO BE NOTIFIED OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE CONSTRUCTION. DO NOT SCALE FROM DRAWINGS.

|            |                |
|------------|----------------|
| PROJECT #  | Project Number |
| DRAWN BY   | Author         |
| CHECKED BY | Checker        |
| DATE       | 07-07-2024     |

BID SET

COVER SHEET

DRAWING TITLE

CS



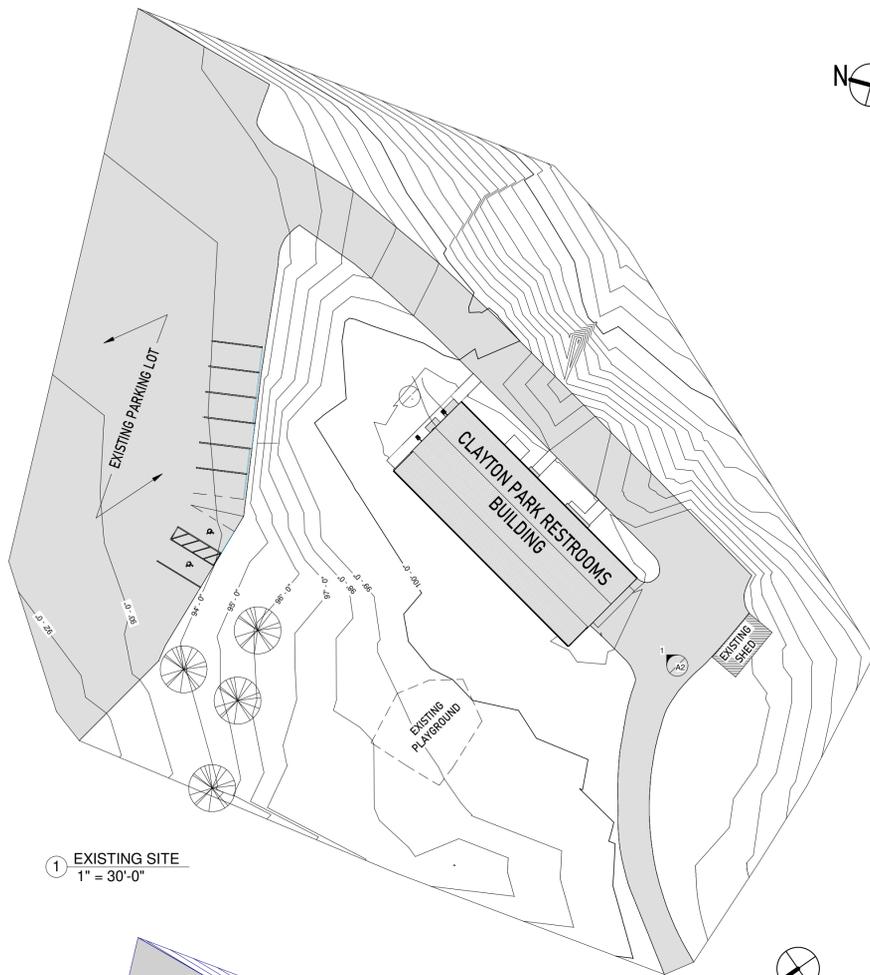
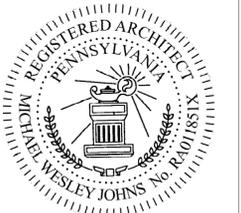
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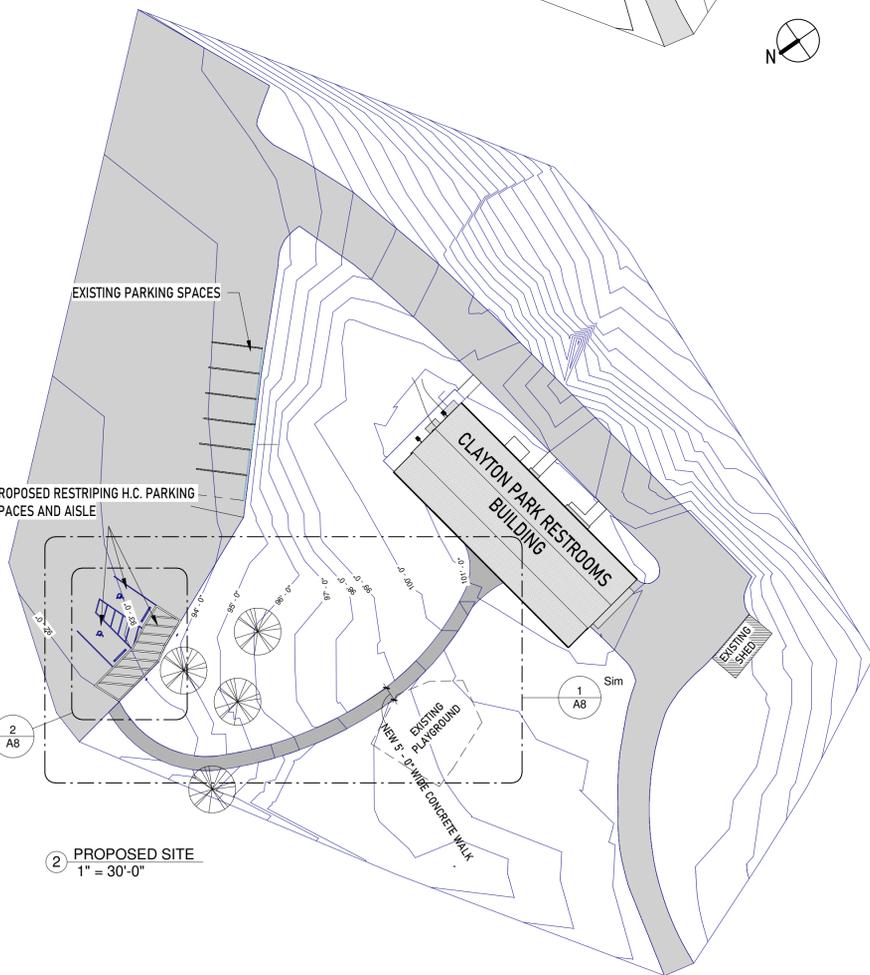
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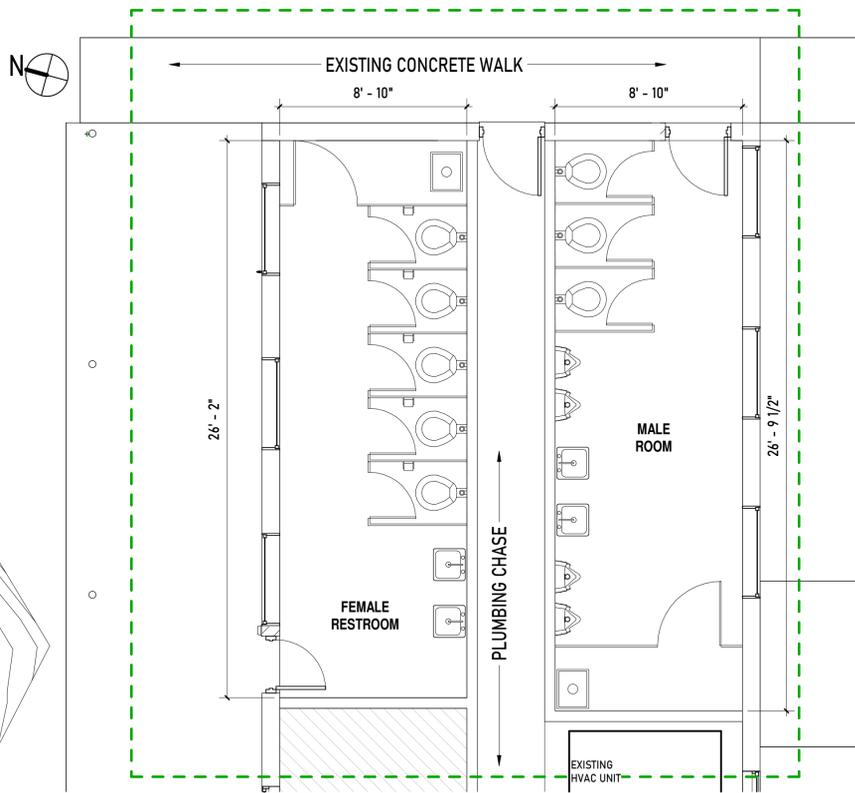
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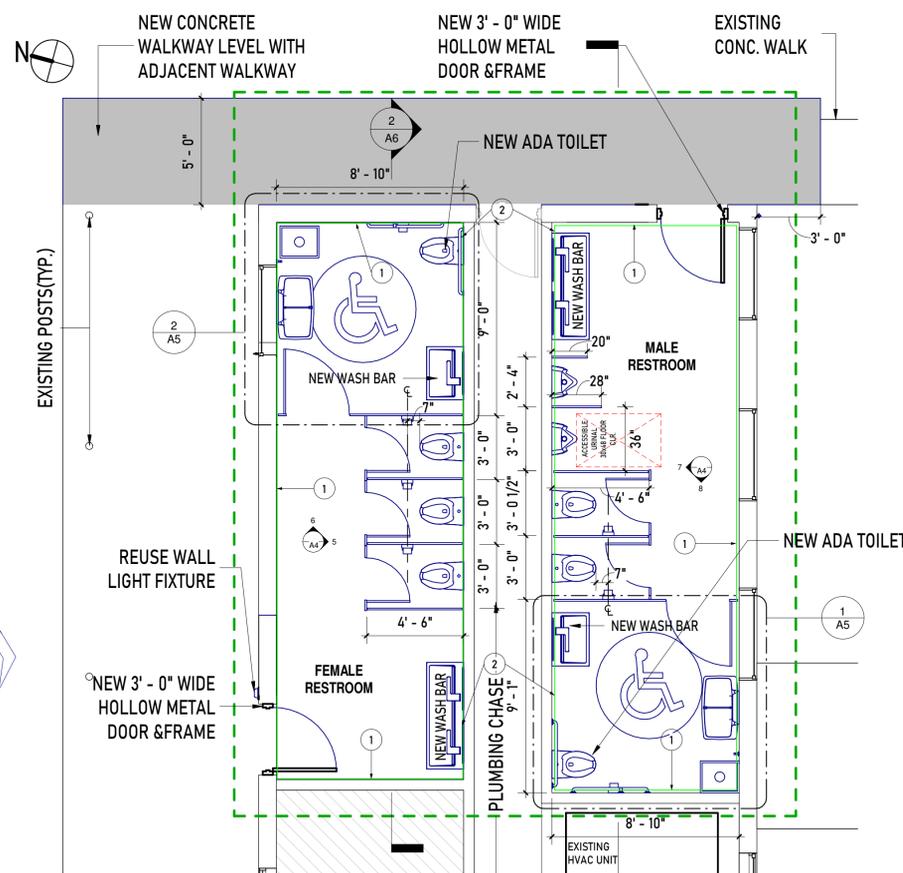
1 EXISTING SITE  
1/4" = 1'-0"



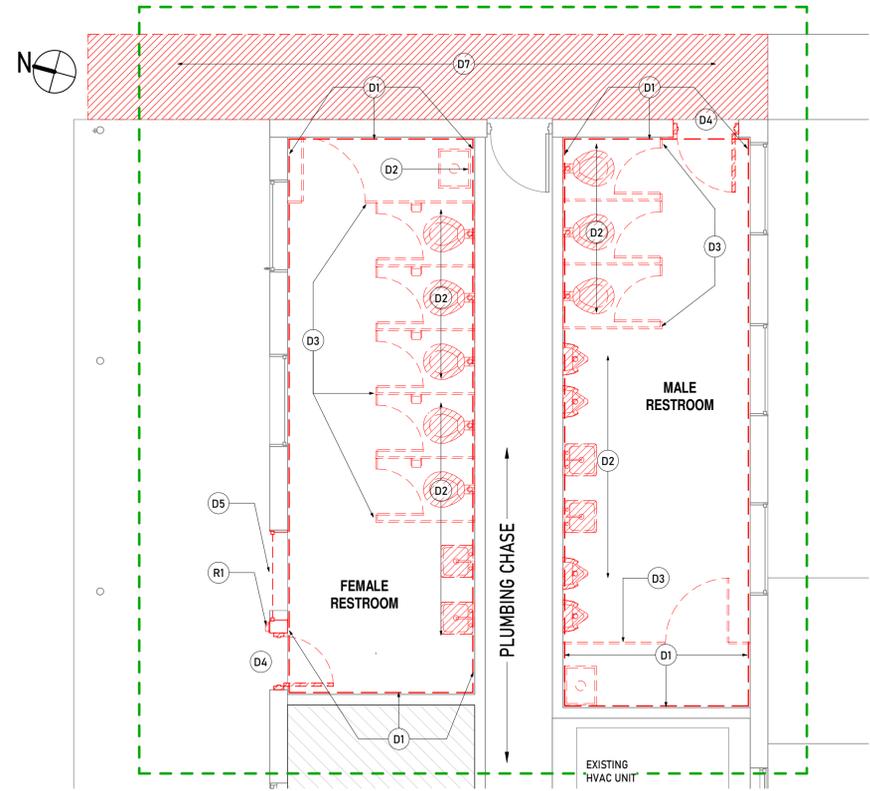
2 PROPOSED SITE  
1/4" = 1'-0"



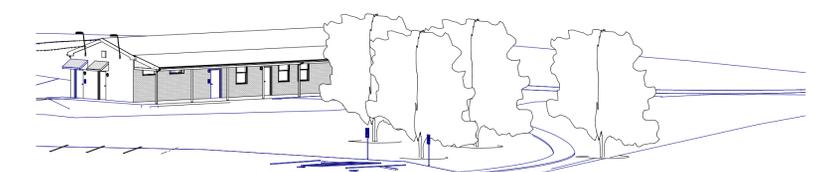
3 EXISTING PLAN  
1/4" = 1'-0"



5 PROPOSED PLAN  
1/4" = 1'-0"



4 DEMOLITION PLAN  
1/4" = 1'-0"



6 AERIAL VIEW OF THE RESTROOM FROM THE PARKING AREA

**LEGEND**

|  |                          |
|--|--------------------------|
|  | EXISTING                 |
|  | TO BE REMOVED            |
|  | NEW WALL FINISH MATERIAL |
|  | EXISTING TREES           |
|  | WORK AREA BOUNDARY       |

- CONSTRUCTION NOTES**
- INSTALL IMPACT & MOISTURE RESISTANT GWB & FRP PANELS (ON GWB) FLOOR TO CEILING ON ALL WALLS EXCEPT THE ONE ADJACENT TO THE PLUMBING CHASE.
  - INSTALL IMPACT & MOISTURE RESISTANT GWB & 1/2x24 PORCELAIN TILES (ON GWB) FLOOR TO CEILING ON WALLS ADJACENT TO THE PLUMBING CHASE.

- GENERAL DEMOLITION NOTES**
- EXCEPT FOR TERRAZZO FLOORING, REMOVE ALL FINISHES INCLUDING CEILING, WALLS DOWN TO CONCRETE BLOCK WALLS.
  - REMOVE LIGHT FIXTURES.
  - REMOVE PLUMBING FIXTURES & APPURTENANCES ETC.
  - REMOVE TOILET STALLS.
  - REMOVE PIPING AS NECESSARY TO ACCOMMODATE NEW PLUMBING FIXTURE INSTALLATIONS.

**DEMOLITION NOTES**

| NOTE | DESCRIPTION  |
|------|--|
| D1   | REMOVE ALL WALL TILES, G.W.B. ETC., IN THEIR ENTIRETY AND PREPARE THE WALL SURFACE TO RECEIVE NEW WALL TILES AND M.R. G.W.B.             |
| D2   | REMOVE PLUMBING FIXTURES IN THEIR ENTIRETY.  |
| D3   | REMOVE TOILET STALLS AND ACCESSORIES IN THEIR ENTIRETY.  |
| D4   | REMOVE DOOR FRAME AND HARDWARE AND ENLARGE OPENING FOR INSTALLATION OF 3' - 0" WIDE DOOR IN METAL FRAME.                                 |
| D5   | REMOVE THE EXISTING WINDOW TO ACCOMMODATE THE NEW DOOR.  |
| D6   | REMOVE EXISTING LIGHT FIXTURES.  |
| D7   | DEMOLISH EXISTING CONCRETE WALK.   |
| D8   | REMOVE G.W.B. CEILING, LEAVE FRAMING INTACT IN SO FAR AS POSSIBLE.   |
| D9   | REMOVE EXISTING LIGHT FIXTURES, MECH. VENTS AND SMOKE DETECTORS IN THEIR ENTIRETY; CONDUIT AND WIRING TO BE REUSED IF IN GOOD CONDITION. |
| R1   | REMOVE AND REUSE THE LIGHT FIXTURE AS INDICATED. REFER TO PROPOSED PLAN AND ELEVATION.   |

Mark Revisions Date

|            |                |
|------------|----------------|
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| CHECKED BY | Checker        |
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BID SET

FLOOR PLAN  
& SITE PLAN

DRAWING TITLE

A1



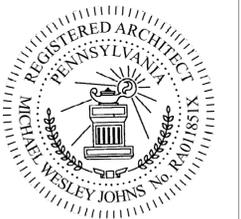
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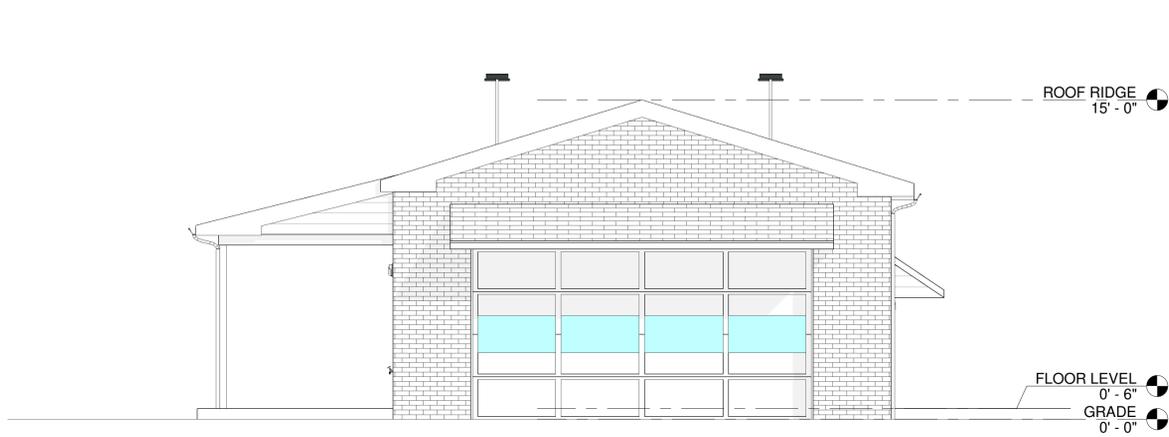
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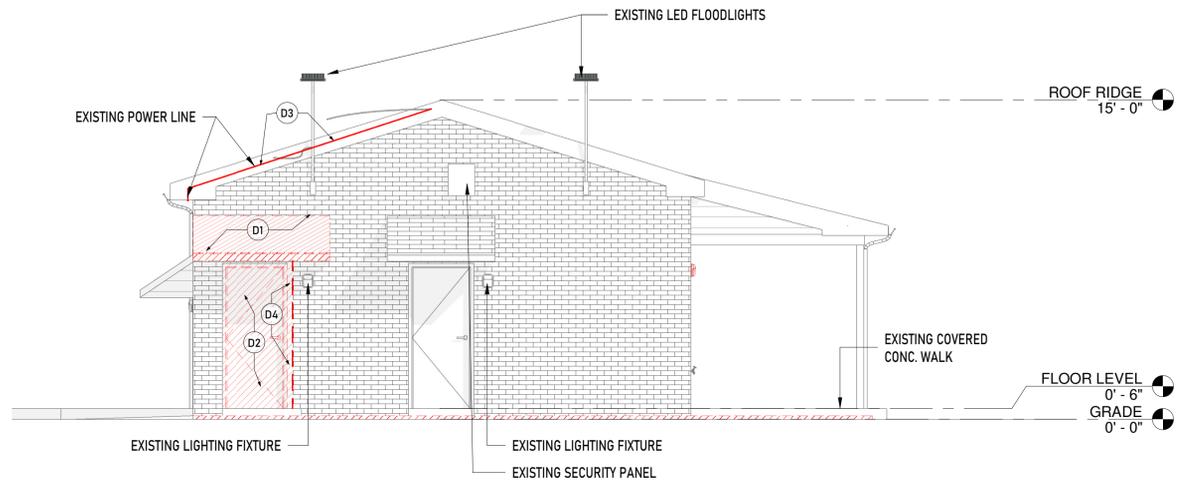
EXISTING  
ELEVATIONS  
(DEMOLITIONS)

DRAWING TITLE

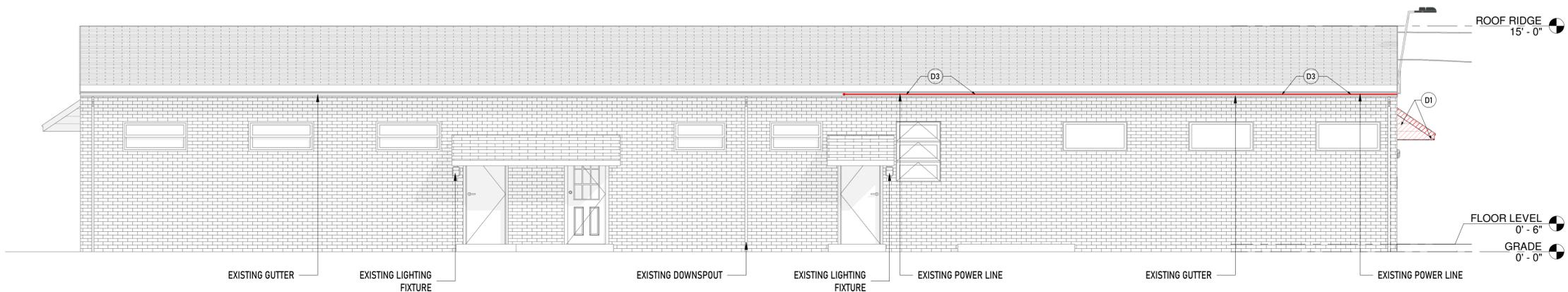
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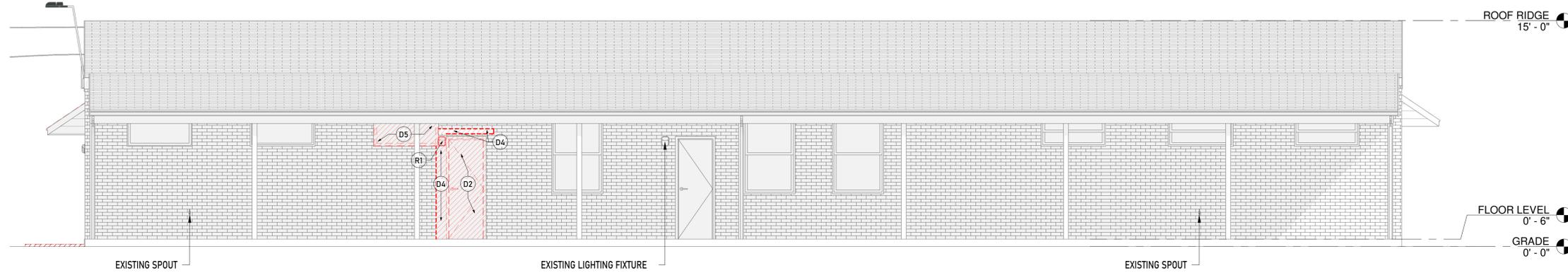
1 EXISTING WEST ELEVATION  
1/4" = 1'-0"



2 EXISTING EAST ELEVATION  
1/4" = 1'-0"



3 EXISTING SOUTH ELEVATION  
1/4" = 1'-0"



4 EXISTING NORTH ELEVATION  
1/4" = 1'-0"

DEMOLITION NOTES.

| LEGEND |                                 |
|--------|---------------------------------|
|        | EXISTING                        |
|        | PROPOSED ALTERATIONS/DEMOLITION |

| NOTE | DESCRIPTION   |
|------|---|
| D1   | DEMOLISH EXISTING PENT ROOF AS INDICATED.   |
| D2   | REMOVE DOOR FRAME AND HARDWARE.   |
| D3   | REMOVE THE EXISTING ELECTRIC CONDUIT IN ITS ENTIRETY BACK TO ELEC. PANEL.                                 |
| D4   | REMOVE EXISTING BRICK MASONRY AS NECESSARY TO ACCOMMODATE INSTALLATION OF NEW 3' 0" WIDE DOOR & HM FRAME. |
| D5   | REMOVE EXISTING WINDOW.   |
| R1   | REMOVE AND REUSE THE LIGHT FIXTURE AS INDICATED. REFER TO PROPOSED PLAN AND ELEVATION.                    |



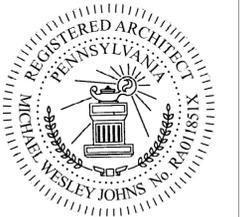
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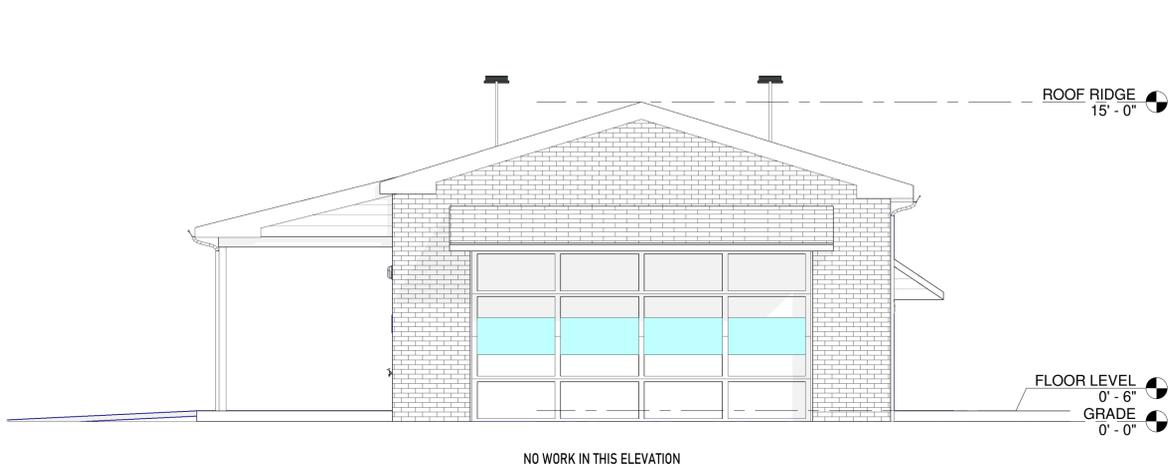
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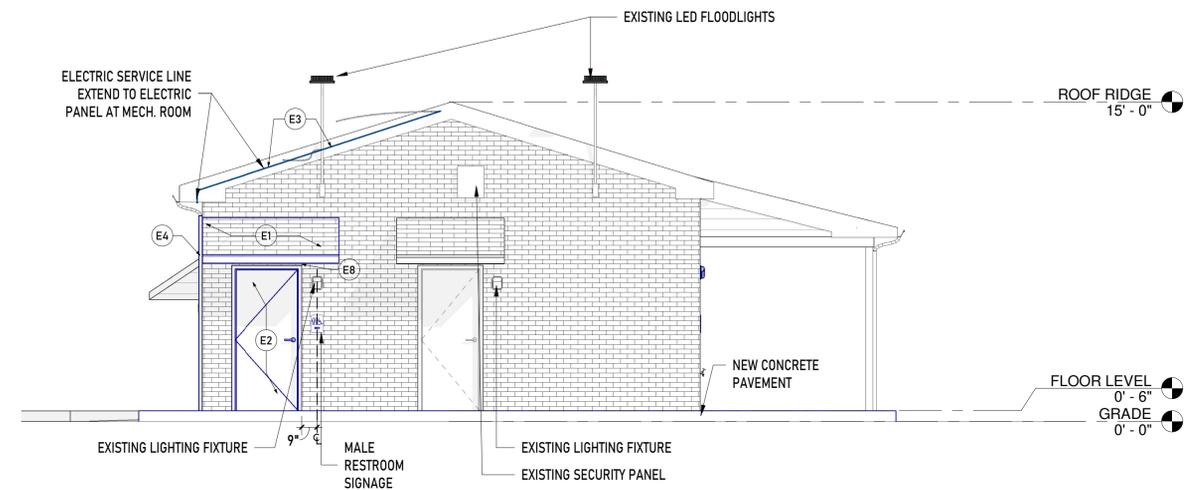
PROPOSED ELEVATIONS

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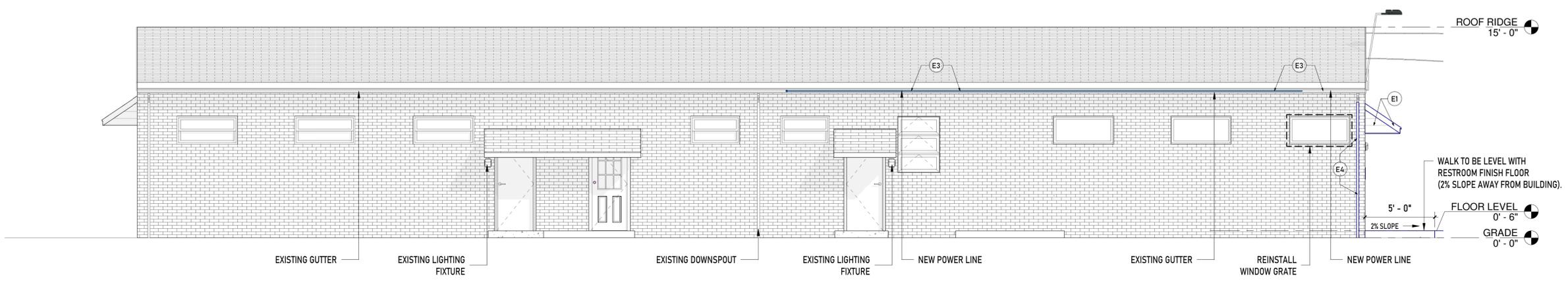
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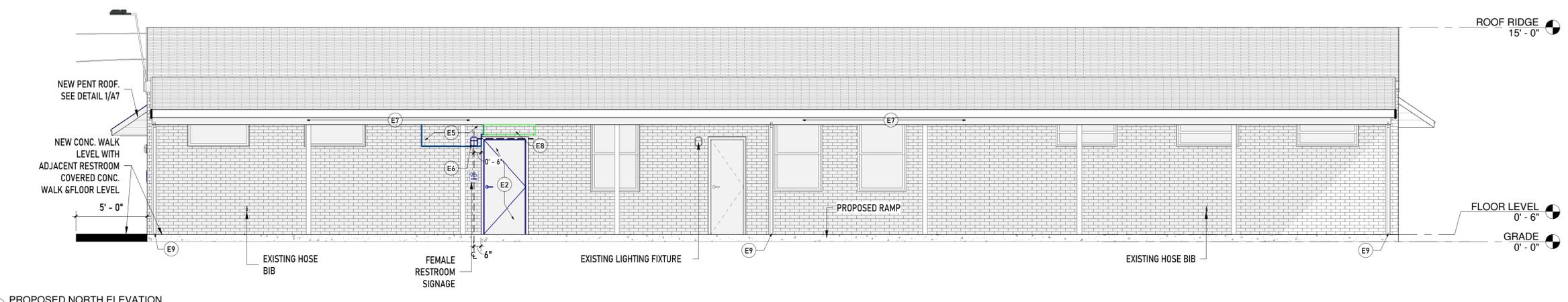
1 PROPOSED WEST ELEVATION  
1/4" = 1'-0"



2 PROPOSED EAST ELEVATION  
1/4" = 1'-0"



3 PROPOSED SOUTH ELEVATION  
1/4" = 1'-0"



4 PROPOSED NORTH ELEVATION  
1/4" = 1'-0"

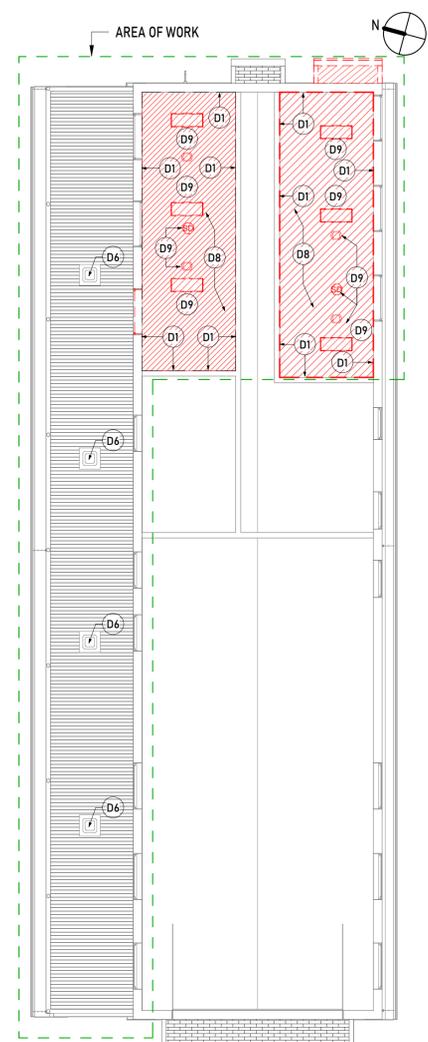
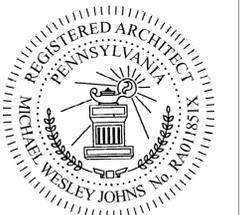
| LEGEND |                          |
|--------|--------------------------|
|        | EXISTING                 |
|        | TO BE REMOVED            |
|        | NEW WALL FINISH MATERIAL |
|        | EXISTING TREES           |
|        | WORK AREA BOUNDARY       |

| CONSTRUCTION NOTES |  |
|--------------------|--|
| NOTE               | DESCRIPTION  |
| E1                 | REBUILD THE SLOPED PENT ROOF IN ITS ENTIRETY. REFER DETAILS ON SHEET A6.             |
| E2                 | INSTALL NEW 3' - 0" WIDE HOLLOW METAL DOOR & FRAME AS INDICATED.                     |
| E3                 | REPLACE THE SERVICE CONDUIT ALL THE WAY TO THE ELECTRIC METER. SEE ELECTRICAL NOTES. |
| E4                 | INSTALL A NEW DOWNSPOUT AS INDICATED.  |
| E5                 | SEAL THE WINDOW OPENING WITH A METAL PANEL. REFER TO DETAILS ON SHEET A6.            |
| E6                 | RELOCATE THE EXISTING LIGHT FIXTURE AT THE PROPOSED LOCATION.                        |
| E7                 | REPAIR/REPLACE THE METAL FASCIA AND THE SOFFIT WHEREVER REQUIRED.                    |
| E8                 | INSTALL A NEW STEEL LINTEL AS INDICATED. REFER TO DETAILS ON SHEET A6.               |
| E9                 | REPLACE THE DOWNSPOUTS AS INDICATED.   |
| E10                | INSTALL NEW LEDs AS INDICATED.   |

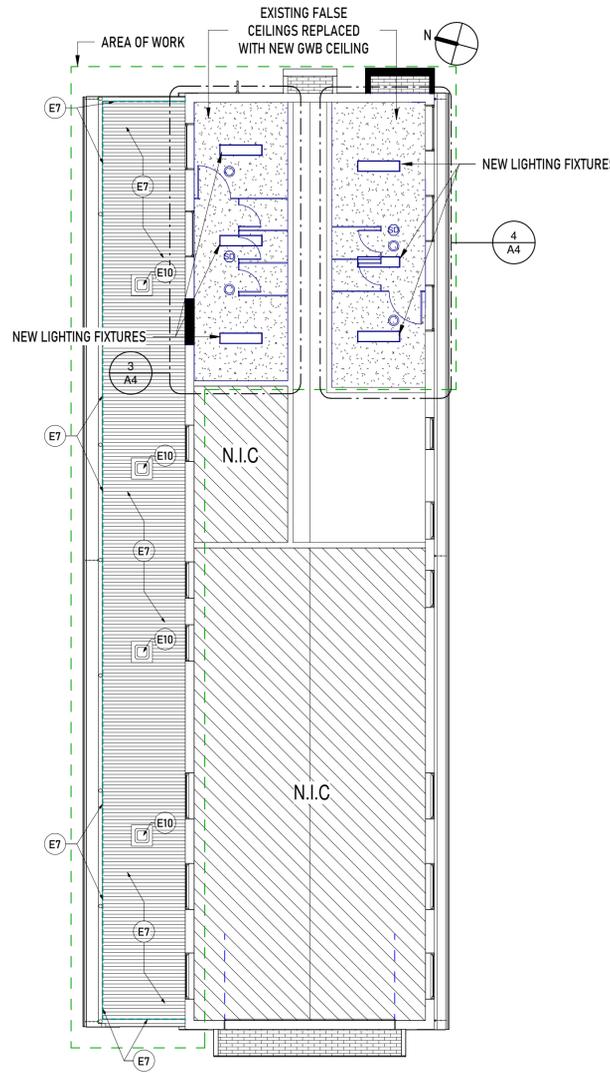
NOTE: ALL EXISTING CONDITIONS TO REMAIN EXCEPT WHERE NOTED OTHERWISE.



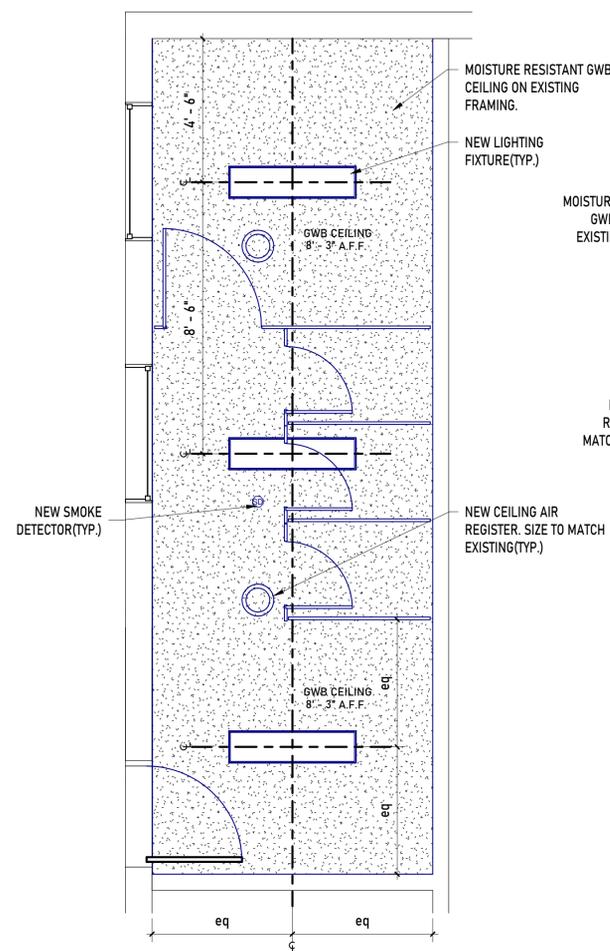
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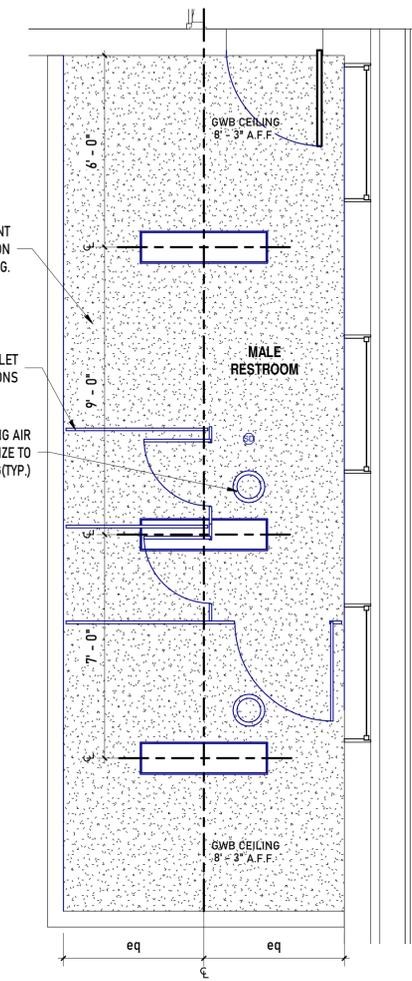
1 REFLECTED CEILING PLAN- DEMOLITION PLAN  
1/8" = 1'-0"



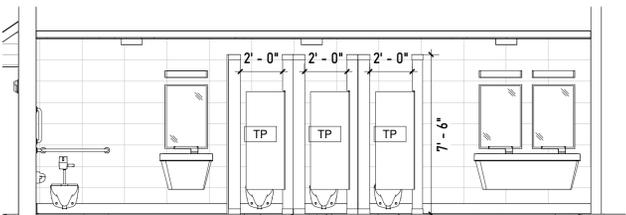
2 REFLECTED CEILING PLAN- CONSTRUCTION PLAN  
1/8" = 1'-0"



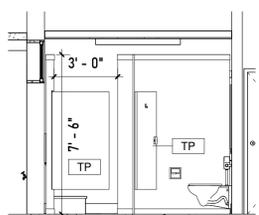
3 REFLECTED CEILING PLAN- FEMALE RESTROOM  
3/8" = 1'-0"



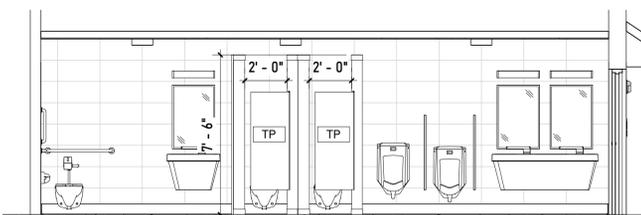
4 REFLECTED CEILING PLAN- MALE RESTROOM  
3/8" = 1'-0"



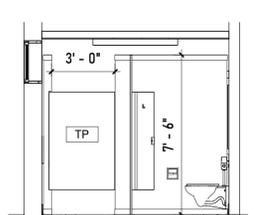
5 FEMALE RESTROOM ELEVATION- 1  
1/4" = 1'-0"



6 FEMALE RESTROOM ELEVATION- 2  
1/4" = 1'-0"



7 MALE RESTROOM INTERIOR ELEVATION- 1  
1/4" = 1'-0"



8 MALE RESTROOM ELEVATION- 2  
1/4" = 1'-0"

NEW FIXTURES LEGEND

- 1' x 4' CEILING LIGHT
- MECH. VENT
- SMOKE DETECTOR

DEMOLITION LEGEND

- EXISTING CEILING TO REMOVED. FRAMING TO REMAIN.
- EXISTING LIGHTING FIXTURE TO BE REMOVED.
- EXISTING MECH. VENT TO BE REMOVED.
- EXISTING SMOKE DETECTOR TO BE REMOVED.

CONSTRUCTION NOTES

| NOTE | DESCRIPTION  |
|------|--|
| E1   | REBUILD THE SLOPED PENT ROOF IN ITS ENTIRETY. REFER DETAILS ON SHEET A6.             |
| E2   | INSTALL NEW 3' - 0" WIDE HOLLOW METAL DOOR & FRAME AS INDICATED.                     |
| E3   | REPLACE THE SERVICE CONDUIT ALL THE WAY TO THE ELECTRIC METER. SEE ELECTRICAL NOTES. |
| E4   | INSTALL A NEW DOWNSPOUT AS INDICATED.  |
| E5   | SEAL THE WINDOW OPENING WITH A METAL PANEL. REFER TO DETAILS ON SHEET A6.            |
| E6   | RELOCATE THE EXISTING LIGHT FIXTURE AT THE PROPOSED LOCATION.                        |
| E7   | REPAIR/REPLACE THE METAL FASCIA AND THE SOFFIT WHEREVER REQUIRED.                    |
| E8   | INSTALL A NEW STEEL LINTEL AS INDICATED. REFER TO DETAILS ON SHEET A6.               |
| E9   | REPLACE THE DOWNSPOUTS AS INDICATED.   |
| E10  | INSTALL NEW LEDs AS INDICATED.   |

DEMOLITION NOTES

| NOTE | DESCRIPTION  |
|------|--|
| D1   | REMOVE ALL WALL TILES, G.W.B. ETC., IN THEIR ENTIRETY AND PREPARE THE WALL SURFACE TO RECEIVE NEW WALL TILES AND M.R. G.W.B.             |
| D2   | REMOVE PLUMBING FIXTURES IN THEIR ENTIRETY.  |
| D3   | REMOVE TOILET STALLS AND ACCESSORIES IN THEIR ENTIRETY.  |
| D4   | REMOVE DOOR FRAME AND HARDWARE AND ENLARGE OPENING FOR INSTALLATION OF 3' - 0" WIDE DOOR IN METAL FRAME.                                 |
| D5   | REMOVE THE EXISTING WINDOW TO ACCOMMODATE THE NEW DOOR.  |
| D6   | REMOVE EXISTING LIGHT FIXTURES.  |
| D7   | DEMOLISH EXISTING CONCRETE WALK.   |
| D8   | REMOVE G.W.B. CEILING, LEAVE FRAMING INTACT IN SO FAR AS POSSIBLE.   |
| D9   | REMOVE EXISTING LIGHT FIXTURES, MECH. VENTS AND SMOKE DETECTORS IN THEIR ENTIRETY; CONDUIT AND WIRING TO BE REUSED IF IN GOOD CONDITION. |
| R1   | REMOVE AND REUSE THE LIGHT FIXTURE AS INDICATED. REFER TO PROPOSED PLAN AND ELEVATION.   |

| Mark | Revisions | Date |
|------|-----------|------|
|      |           |      |

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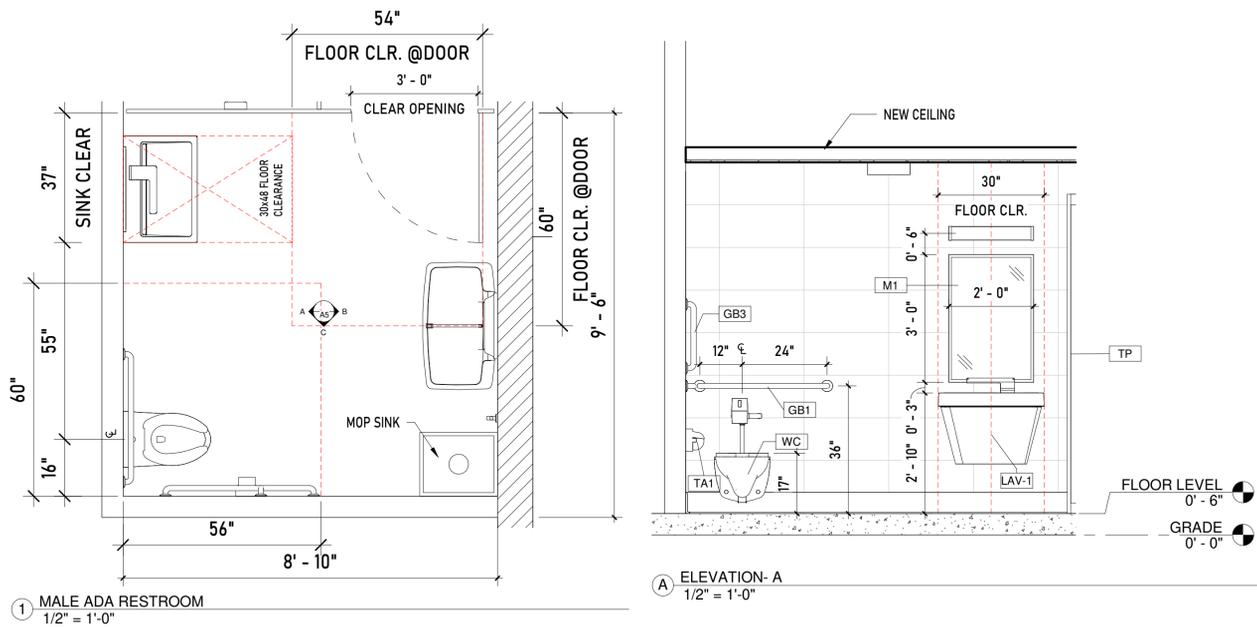
|            |                |
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| DRAWN BY   | Author         |
| CHECKED BY | Checker        |
| DATE       | 07-07-2024     |

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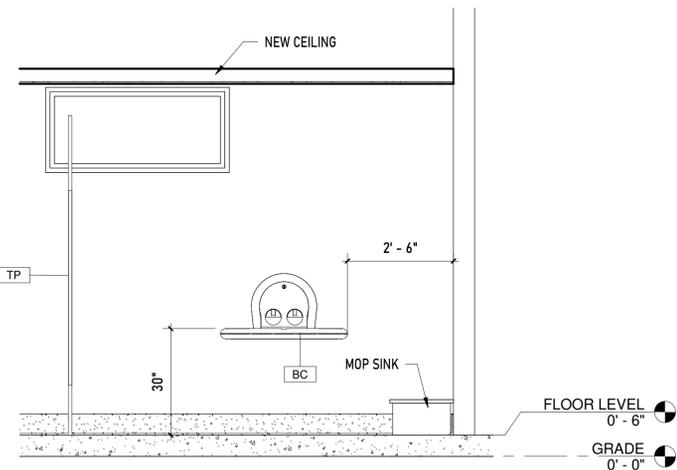
REFLECTED CLG. PLANS & INT. ELEV'S

DRAWING TITLE

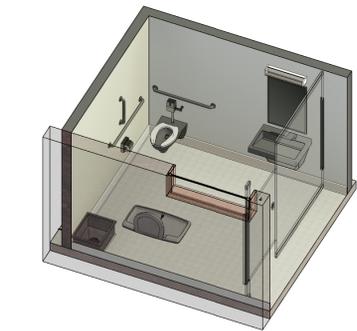
MALE- ADA RESTROOM



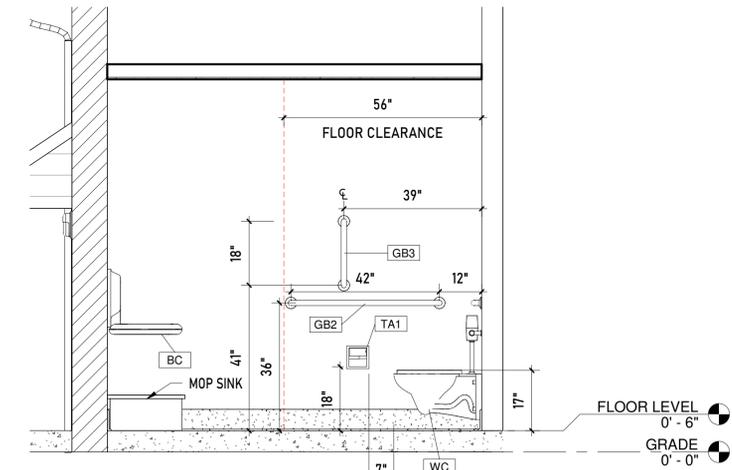
1 MALE ADA RESTROOM  
1/2" = 1'-0"



B ELEVATION- B  
1/2" = 1'-0"

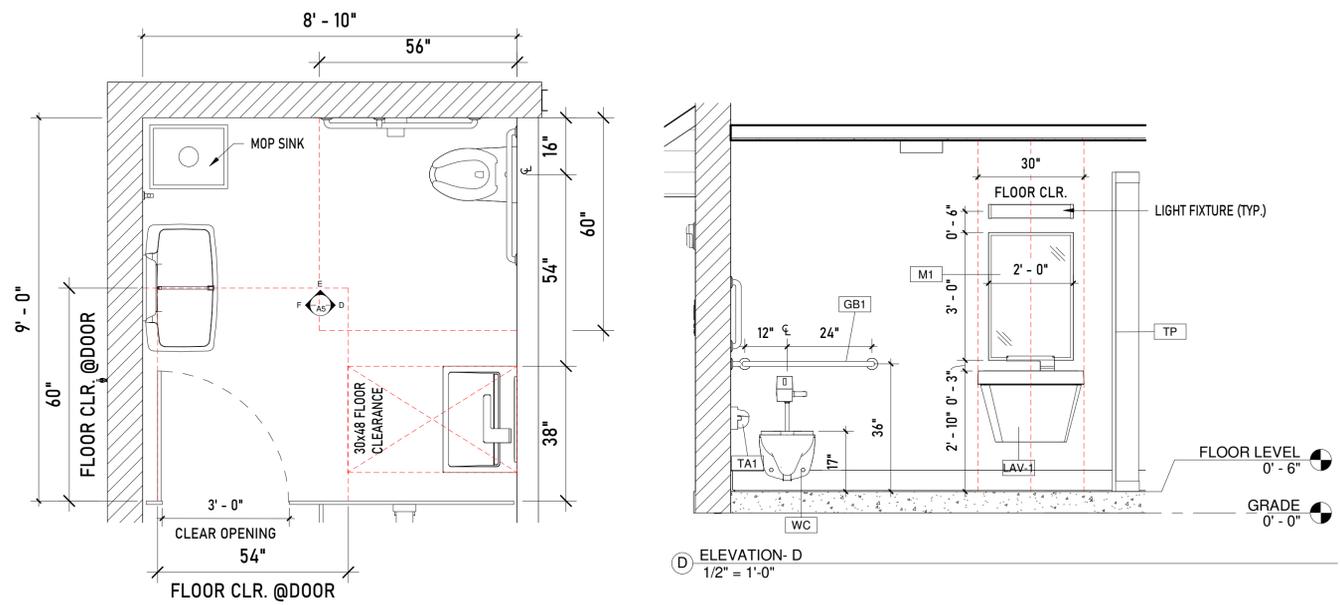


3 3D VIEW

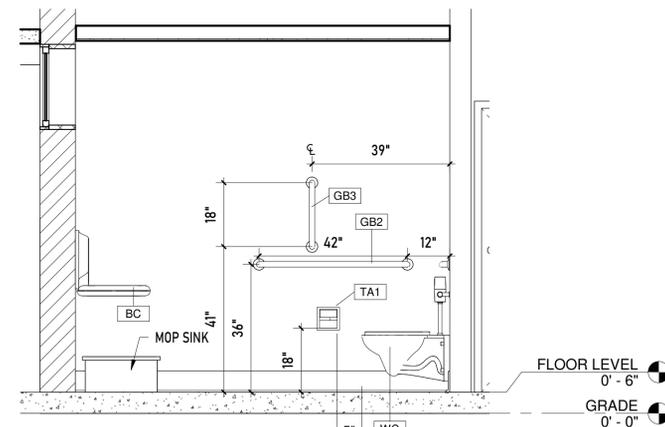


C ELEVATION- C  
1/2" = 1'-0"

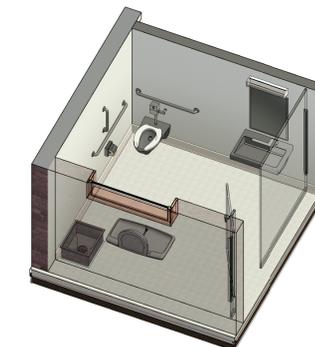
FEMALE- ADA RESTROOM



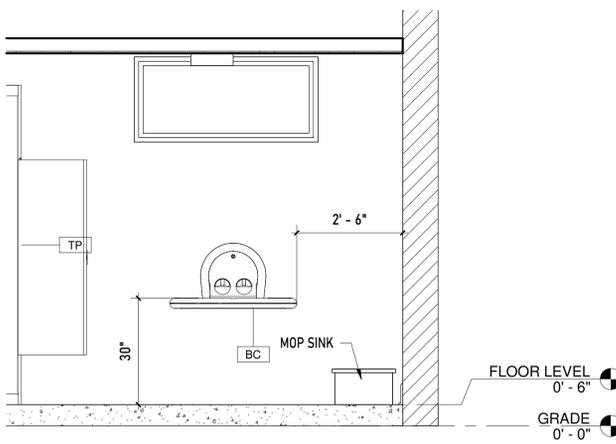
2 FEMALE ADA RESTROOM  
1/2" = 1'-0"



E ELEVATION- E  
1/2" = 1'-0"



4 3D VIEW



F ELEVATION- F  
1/2" = 1'-0"



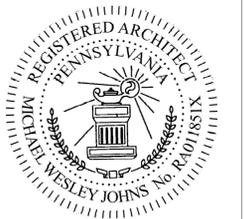
OWNER  
DELAWARE COUNTY DEPARTMENT  
OF PUBLIC WORKS  
201 West Front Street, Suite 207, Media,  
PA 19063

ARCHITECT  
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PH: 215.917-3798  
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MEP ENGINEERS  
MARK/ULTRIC ENGINEERS  
30 N. 41 STREET  
SUITE 500  
PHILADELPHIA, PA 19104  
CONTACT: ANTOINE JOSEPH  
EMAIL: AJOSEPH@MARKULTRIC.CO



SEAL:



Mark Revisions Date  
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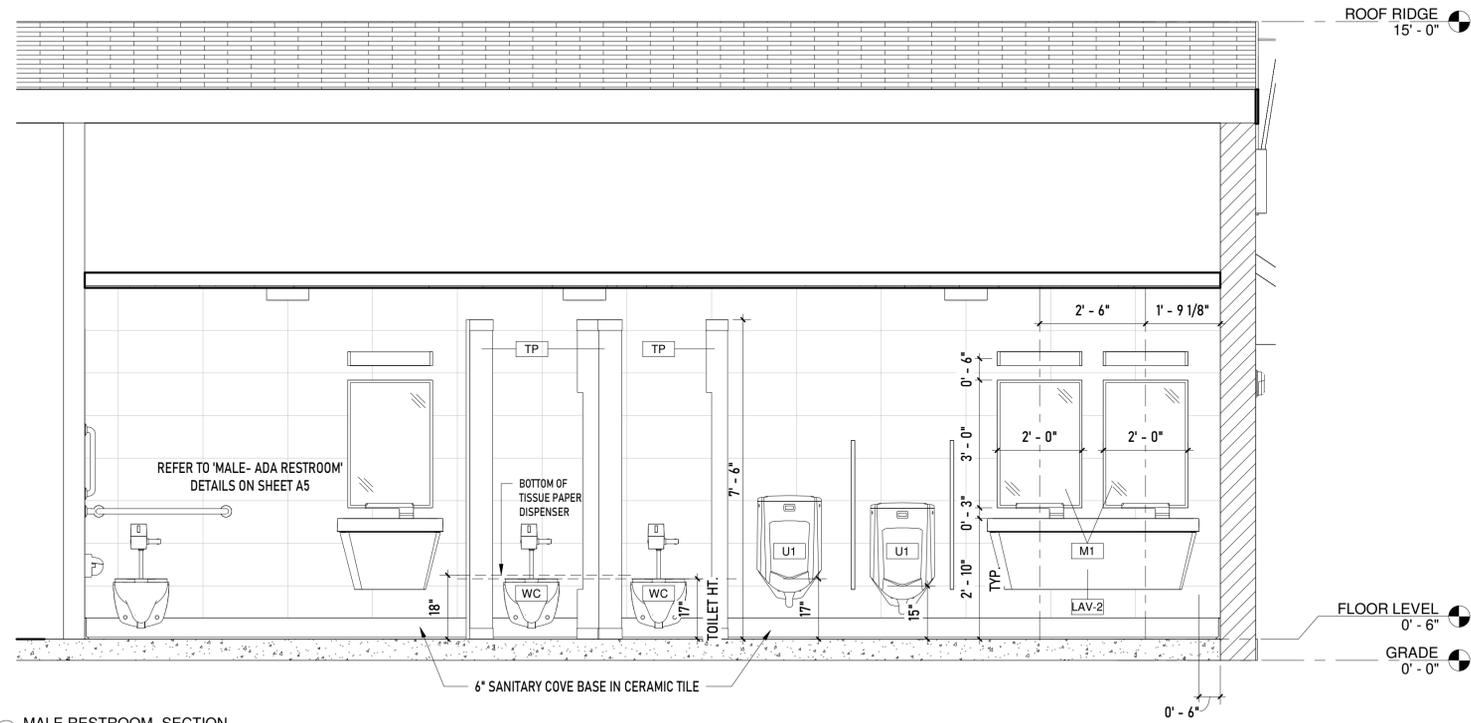
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| CHECKED BY | Checker        |
| DATE       | 07-07-2024     |

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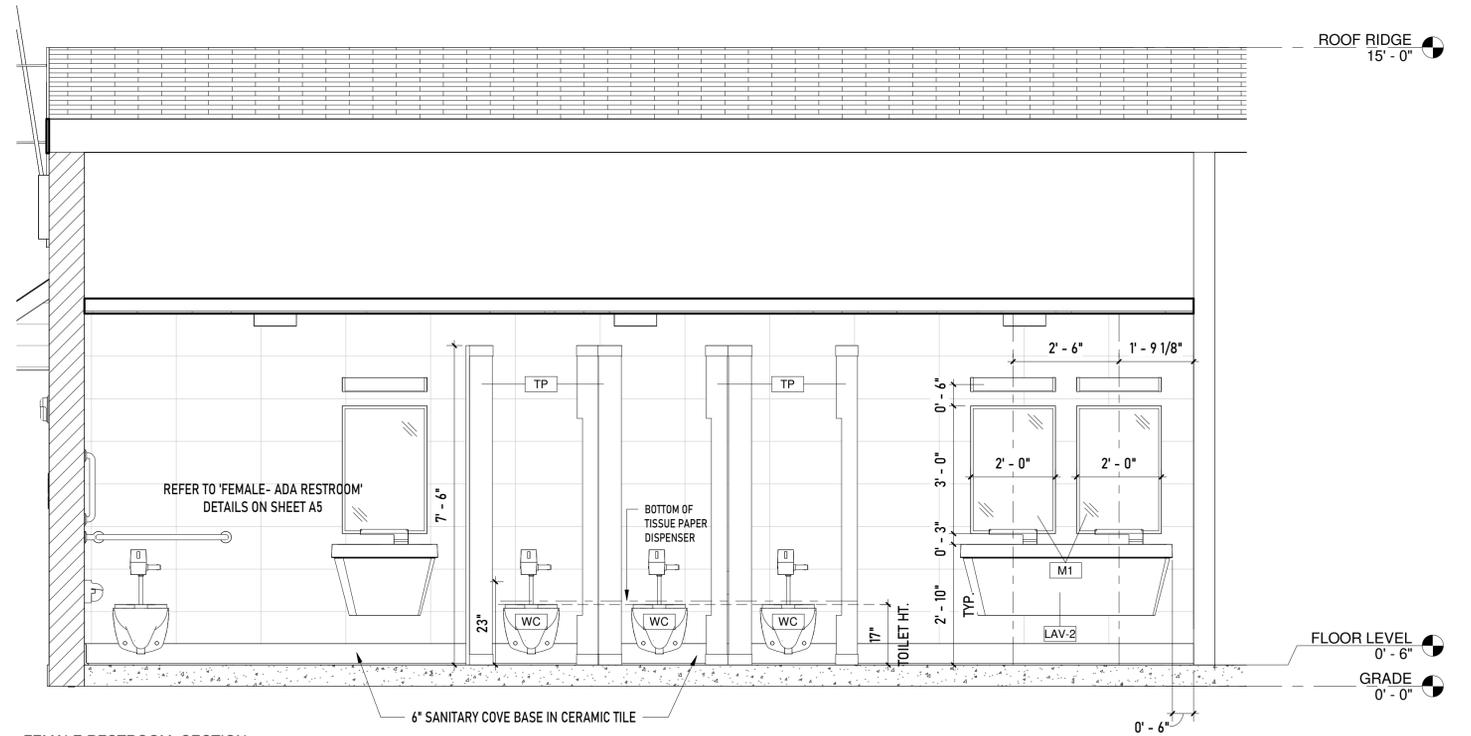
HC RESTROOM  
PLANS  
& ELEVATIONS

DRAWING TITLE

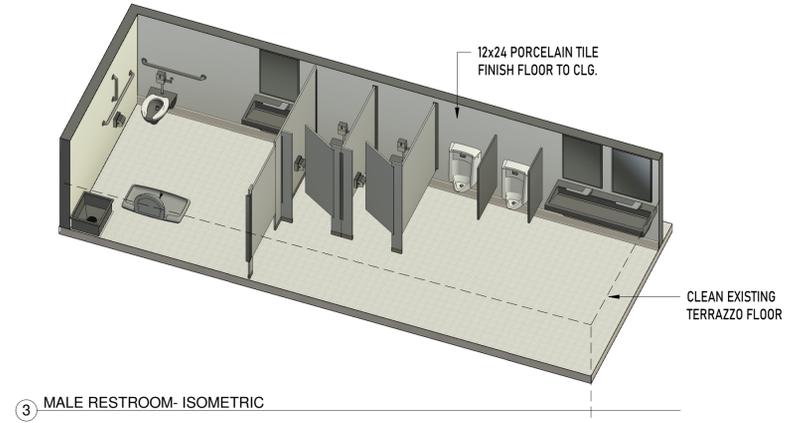
A5



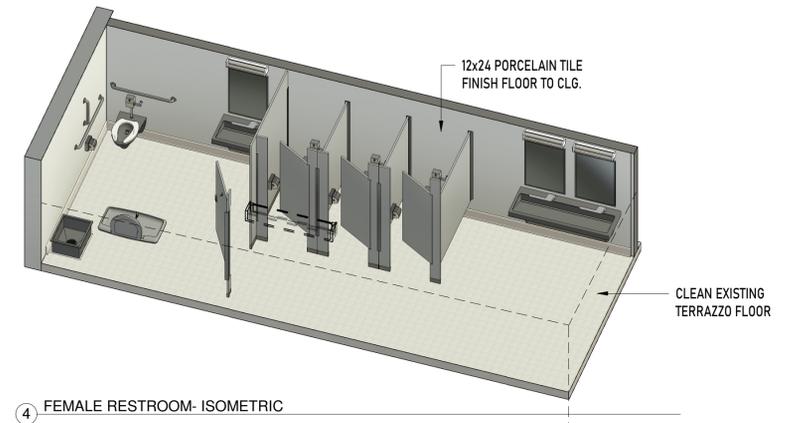
1 MALE RESTROOM- SECTION  
1/2" = 1'-0"



2 FEMALE RESTROOM- SECTION  
1/2" = 1'-0"



3 MALE RESTROOM- ISOMETRIC



4 FEMALE RESTROOM- ISOMETRIC

| ACCESSORIES & FIXTURE SCHEDULE |       |   |                   |                               |                   |                         |
|--------------------------------|-------|---|-------------------|-------------------------------|-------------------|-------------------------|
| ITEM NO.                       | IMAGE | DESCRIPTION   | MANUFACTURER      | MODEL NO.                     | TAG               | QUANTITY                |
| 01                             |       | 1/2" Diameter Stainless Steel Grab Bars with Concealed Flange. ADA compliant. | BOBRICK           | 9806x36<br>9806x42<br>9806x18 | GB1<br>GB2<br>GB3 | 2 NOs<br>2 NOs<br>2 NOs |
| 02                             |       | Surface-Mounted Hinged Hood Single Roll Toilet Paper Dispenser                | BRADLEY           | 5106                          | TA1               | 7 NOs                   |
| 03                             |       | KB300-SS Baby Changing Station-Surface Mounted                                | BOBRICK           | KB300-SS                      | BC                | 2 NOs                   |
| 05                             |       | Verge with WashBar WB2 2-Station  | BRADLEY           | LVQD2                         | LAV-2             | 2 NOs                   |
| 06                             |       | Verge with WashBar WB2 1-Station  | BRADLEY           | LVQD1                         | LAV-1             | 2 NOs                   |
| 07                             |       | Welded-Frame Mirror   | BOBRICK           | B-290 2436                    | M1                | 6 NOs                   |
| 08                             |       | Washbrook FloWise Universal Urinal  | AMERICAN STANDARD | 6515.001                      | U1                | 2 NOs                   |
| 09                             |       | Afwall Millenium FloWise Elongated Flushometer Toilet                         | AMERICAN STANDARD | 2633.101                      | WC                | 7 NOs                   |
| 10                             |       | Floor-to-Ceiling Restroom Partitions  | BRADLEY           | 700                           | TP                | -                       |



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|           |                |
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| PROJECT # | Project Number |
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| CHECKED BY | Checker |
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|      |            |
|------|------------|
| DATE | 07-07-2024 |
|------|------------|

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SECTIONS  
& SCHEDULES

DRAWING TITLE

A6



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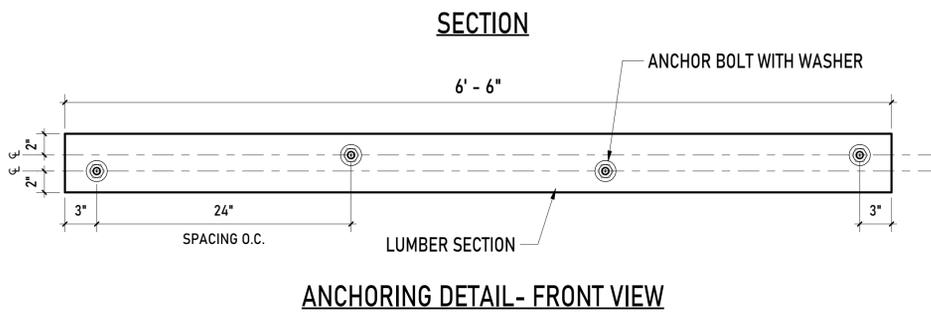
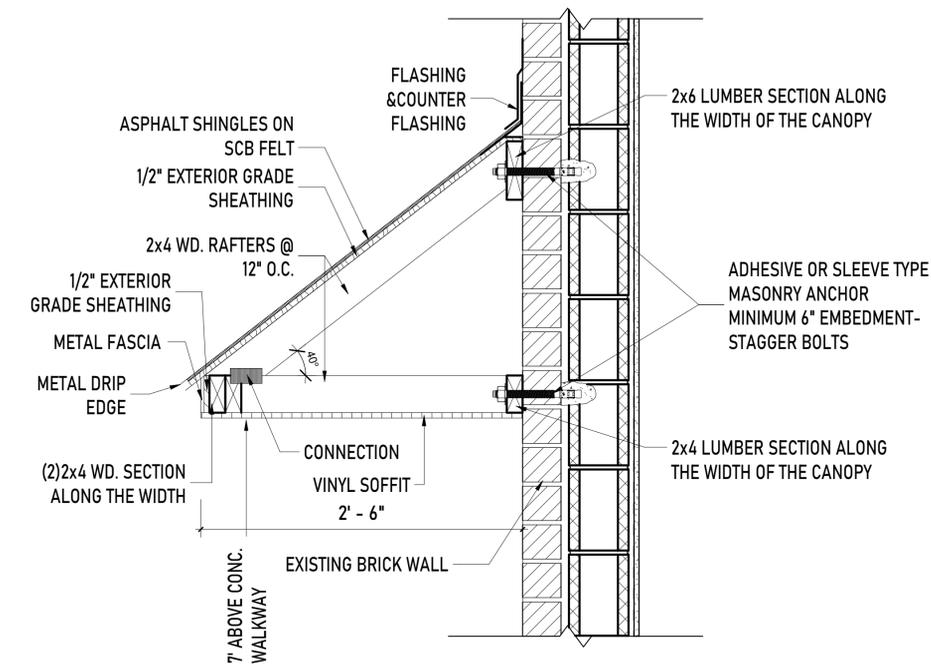
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| PROJECT #  | Project Number |
| DRAWN BY   | Author         |
| CHECKED BY | Checker        |
| DATE       | 07-07-2024     |

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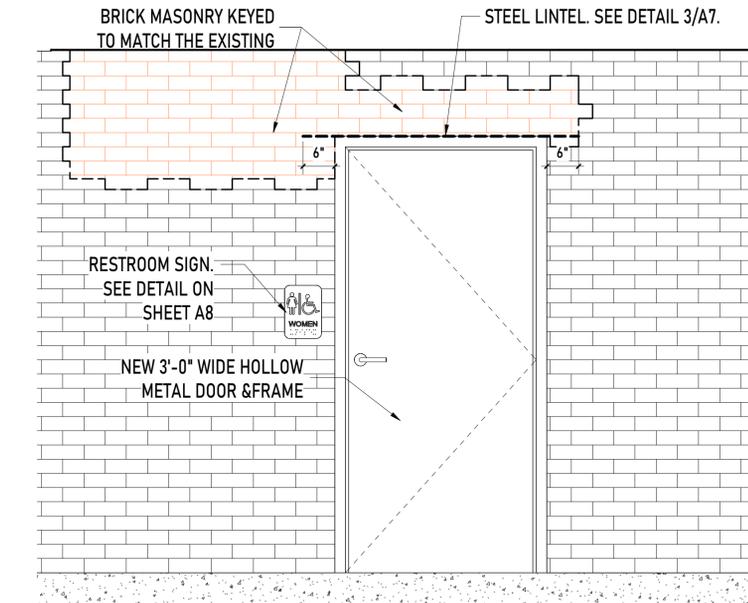
DETAILS

DRAWING TITLE

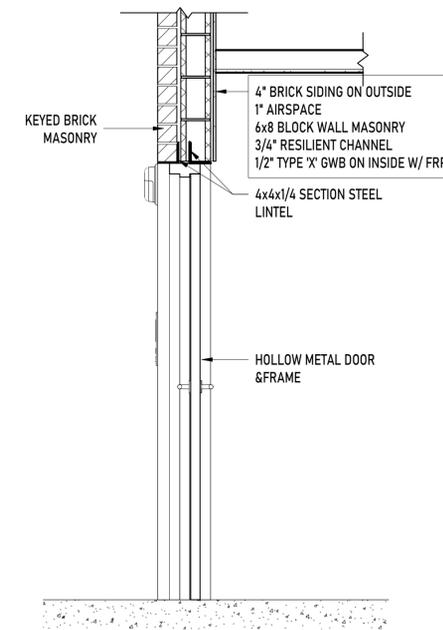
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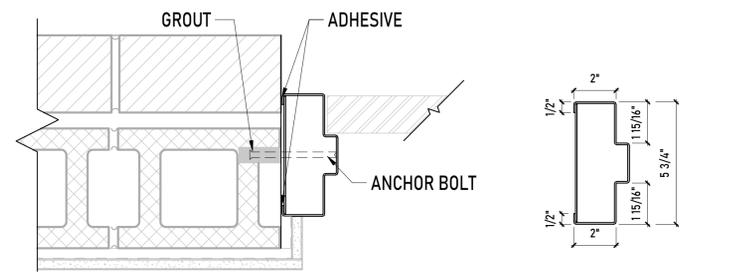
1 CANOPY DETAIL  
1 1/2" = 1'-0"



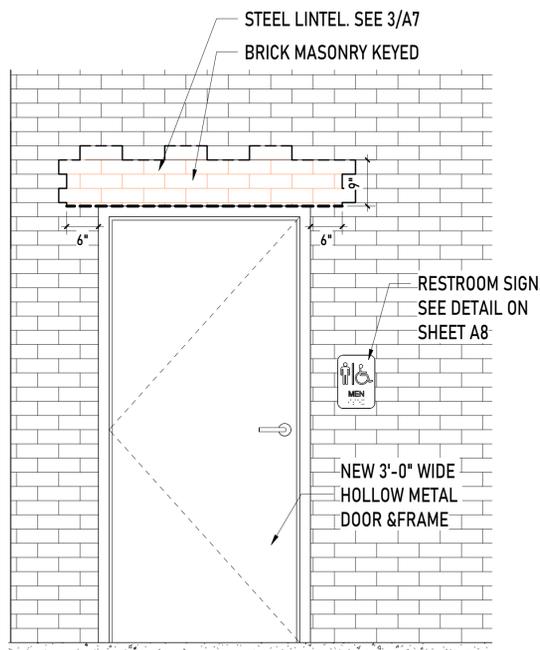
2 WOMEN'S RESTROOM- DOOR/LINTEL ELEVATION DETAIL  
3/4" = 1'-0"



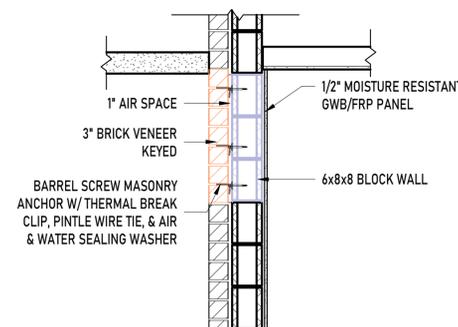
3 LINTEL DETAIL (TYP.)  
3/4" = 1'-0"



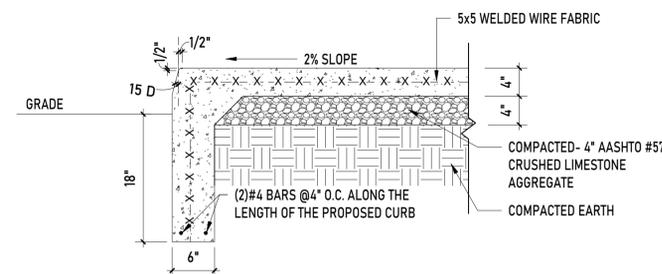
4 DOOR JAMB DETAIL  
3" = 1'-0"



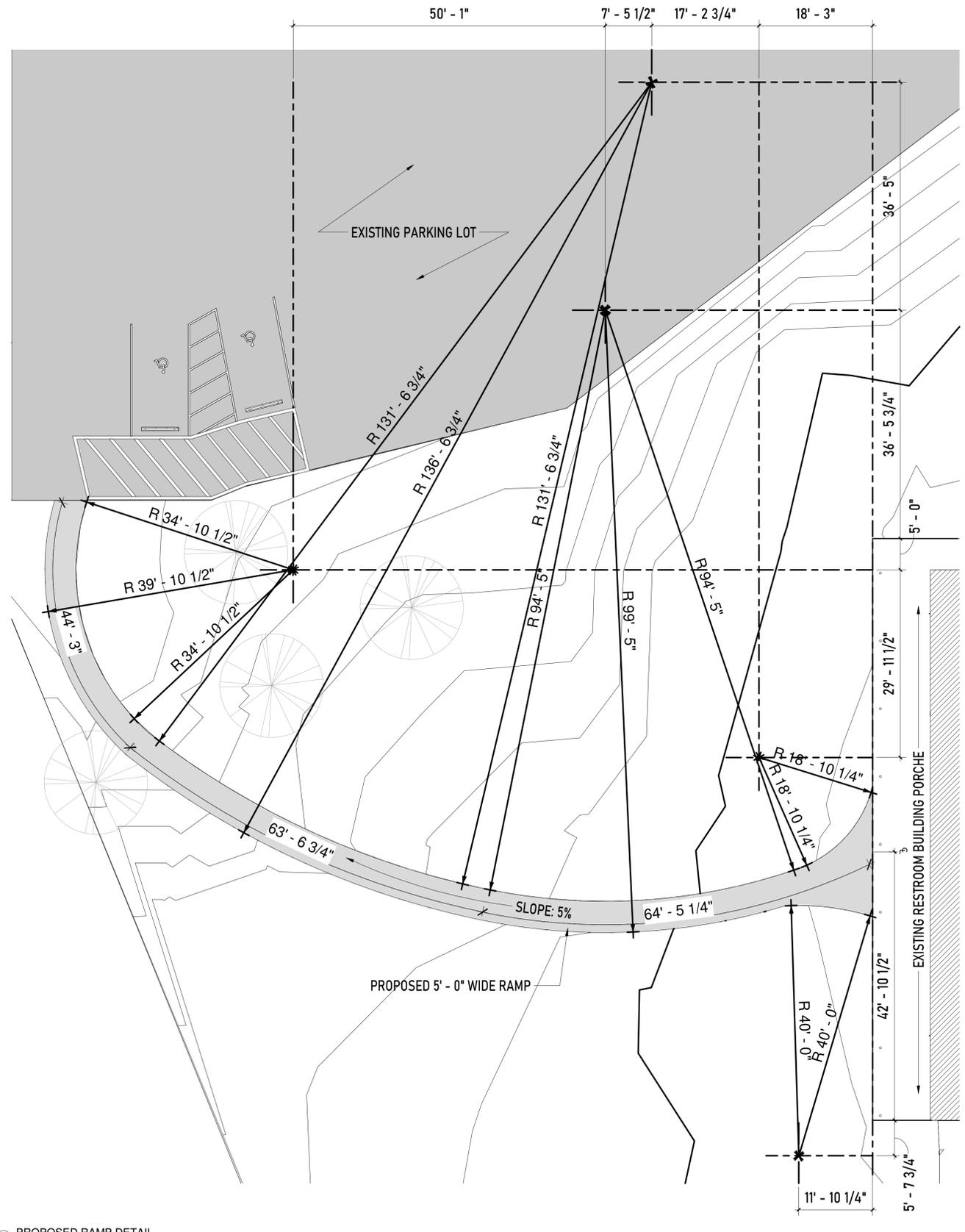
5 MEN'S RESTROOM- DOOR/LINTEL ELEVATION DETAIL  
3/4" = 1'-0"



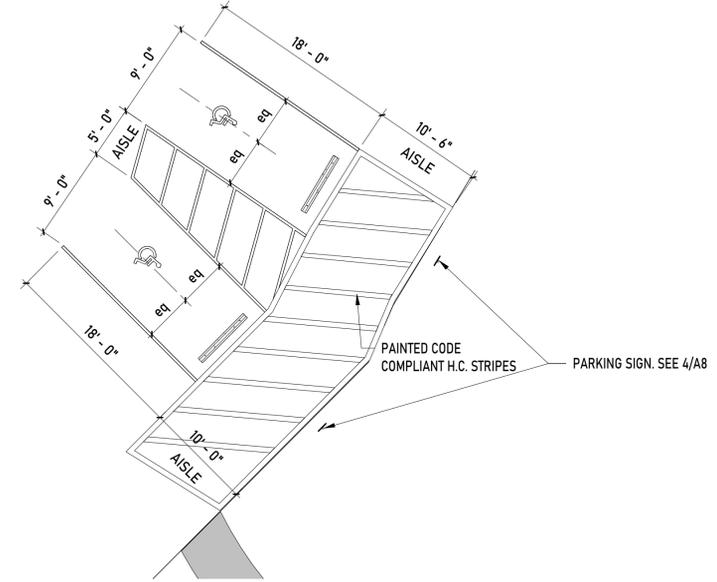
6 SEALED OPENING DETAIL  
3/4" = 1'-0"



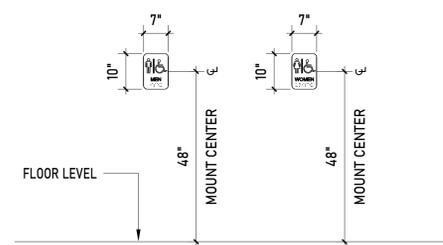
7 NEW CONC. WALKWAY DETAIL  
1" = 1'-0"



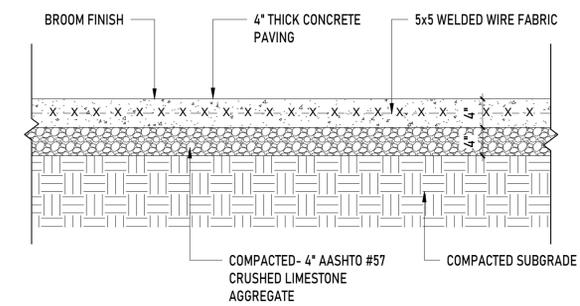
1 PROPOSED RAMP DETAIL  
1" = 10'-0"



2 HC PARKING SPACE DETAIL  
1/8" = 1'-0"

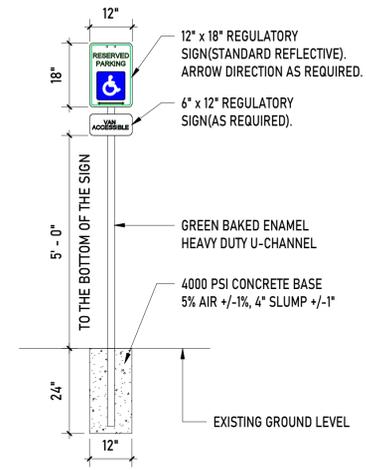


5 H.C. RESTROOM SIGN DETAILS  
1/2" = 1'-0"

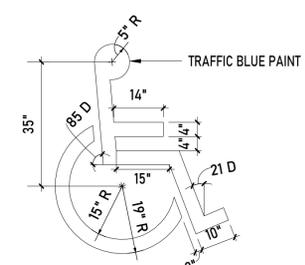


3 CONCRETE WALK DETAIL  
1" = 1'-0"

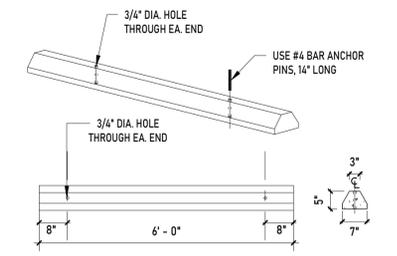
- NOTES
- CONTRACTOR SHALL PLACE CONTROL JOINTS AT INTERVALS EQUAL TO THE PAVEMENT WIDTH NOT TO EXCEED 12'.
  - EXPANSION JOINTS SHALL BE INSTALLED AT 50' MAXIMUM INTERVALS.
  - CURING SHALL BE BY ABSORPTIVE COVER; MOISTURE-RETAINING COVER; OR APPROVED CURING COMPOUND. CONTRACTOR SHALL SUBMIT PROPOSED CURING METHOD TO OWNER FOR APPROVAL PRIOR TO CONCRETE INSTALLATION.
  - APPLY WATER BASED 40% SILANE PENETRATING SEALER AFTER A MINIMUM OF 28 DAYS PER MANUFACTURERS RECOMMENDATIONS.
  - PROVIDE MINIMUM CROSS-SLOPE OF 1.5% TO MAXIMUM CROSS SLOPE OF 2%.
  - FIBERMESH DOSAGE RATE SHALL BE SPECIFIED IN CONCRETE MIX DESIGN SUBMITTED BY CONTRACTOR.



4 H.C. PARKING SIGN DETAIL  
1/2" = 1'-0"



6 PARKING SYMBOL DETAIL  
1/2" = 1'-0"



7 PARKING CURB DETAIL  
1/2" = 1'-0"



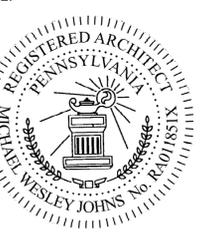
OWNER  
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ARCHITECTURE PLANNING DEVELOPMENT



| Mark | Revisions | Date |
|------|-----------|------|
|      |           |      |

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| DATE       | 07-07-2024     |

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DETAILS

DRAWING TITLE

A8

**Floor-to-Ceiling Restroom Partitions**  
**Bradmar® Solid Plastic (HDPE) – Series 700**

This unit is installed to the floor and ceiling and recommended where additional stability is desired. Applicable for ceiling heights up to 10'. Partitions must be installed in a clean, continuous environment, away from direct sunlight.

**Construction**  
 Doors, frames and dividers are constructed from 1" thick High Density Polyethylene (HDPE) resin produced under high pressure to form a single component. This material is waterproof, non-absorbent and has a self-lubricating surface which resists marks from graffiti. All plastic components are shipped with a self-adhesive coating for protection during installation. Bradmar® is available in a variety of colors.

**Partitions and Dividers**  
 Partitions and doors are fabricated 55" high, all edges are rounded to a 1/4" radius. Frames and doors receive an aluminum head and strip fastened to the bottom edge which holds divider and optional lock. Each door frame includes receive an integral hinge assembly. The closing position of each hinge is fully adjustable.

**Hardware**  
 Brackets, standard hardware is constructed from 6063-T5 heavy-duty aluminum. Components are provided with all hardware and stainless door top bar (not on all colors) to complete installation. For applications with concrete floor and masonry block walls.

**Door Hardware**  
 Standard integral hinge system consisting of a 3" diameter nylon gravity cast unit with 1/4" diameter ball carrier on bottom track 1/4" nylon ball track. One-lever handle is 6" long and is fabricated from heavy-duty reinforced aluminum (6063-T5 alloy) with an integral finger. Locking ball carrier from heavy-duty reinforced aluminum (6063-T5 alloy). Side lock shaft has a black anodized finish. (Lock is required to the door with stainless steel ball-removal screws. The side lock does not require a keying, motion and complex with all factory ADA guidelines. One-lever handle is mounted to the plate with the built-in. Gate hooks, door turnups and door pulls are provided in a 2-piece die-cast alloy with satin finish. Hinge plates 32" x 30" are supplied with an individual cut hook, door turnup, and door pull having ADA and all cabinet lockers a double door pull. The standard hardware are supplied with all hardware.

**Brackets**  
 Corrosion brackets are fabricated from heavy-duty aluminum, are 54" long and are adjustable (single or double door style).

**Shoes and Socks**  
 Shoes are 1-piece, 4" high, 30% stainless steel with #4 stainless brushed finish and cabinet lockers a double door pull. The standard hardware are supplied with all hardware.

Verify all rough-in dimensions prior to installation.

Consult local and national codes. Conformity and compliance to local and national codes is the responsibility of the installer.

Page 1 of 1 1/2024  
 This document is subject to change without notice.  
 Brackets, Partitions, Dividers, Top-Ceiling

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 800 BRADMAR 800 572 3008  
 410 BRADMAR BLVD  
 BRADMAR, PA 15004  
 bradmar.com

**BORBRICK** *finocollection* **B-9806 SERIES**

**Technical Data** **1 1/2" (38mm) DIAMETER STAINLESS STEEL GRAB BARS WITH CONCEALED FLANGE**

**Specify Finish Required**  
 Stainless Steel, Satin Finish  
 Matte Black Finish, add suffix "MBLK" to model number, see table below.

**Standard B-9806 Series Grab Bars**

| Satin Finish Model | Matte Black Finish Model | Accessible Length A | Overall Length B |
|--------------------|--------------------------|---------------------|------------------|
| 9806-16            | 9806-16.MBLK             | 16" (407mm)         | 20" (508mm)      |
| 9806-20            | 9806-20.MBLK             | 20" (508mm)         | 24" (609mm)      |
| 9806-24            | 9806-24.MBLK             | 24" (609mm)         | 28" (712mm)      |
| 9806-28            | 9806-28.MBLK             | 28" (712mm)         | 32" (813mm)      |
| 9806-32            | 9806-32.MBLK             | 32" (813mm)         | 36" (914mm)      |
| 9806-36            | 9806-36.MBLK             | 36" (914mm)         | 40" (1016mm)     |
| 9806-40            | 9806-40.MBLK             | 40" (1016mm)        | 44" (1118mm)     |
| 9806-44            | 9806-44.MBLK             | 44" (1118mm)        | 48" (1219mm)     |
| 9806-48            | 9806-48.MBLK             | 48" (1219mm)        | 52" (1321mm)     |

**MATERIALS:**  
 Grab Bar – Type 303, 14-gauge 1/8" (2mm) stainless steel tubing with satin finish, 1/2" (38mm) outside diameter. Clearance between the grab bar and the wall is 1/2" (12mm).

**Concealed Mounting Flanges** – Type 303, 5/16" (8mm) thick, machined solid stainless steel with satin finish. End flanges 2" (50mm) diameter with three holes for attachment to wall.

**Flange Covers** – Type 303, 1/8" (3mm) thick, machined solid stainless steel with satin finish, 2" (50mm) diameter. Each cover is concealing the mounting screws.

**Support Post** – Tubing is connected to Mounting Flanges via a metric #8 hex screw, covered by a machined solid support post, 1/4" (6mm) wall thickness, 1/2" (12mm) outer diameter. Support post connects grab bar to mounting flange.

**ADA/CBC Installation Guidance**  
**Recommended Mounting Heights:**  
 ADA/CBC/ICC: 33" min. to 36" above finished floor (AFP)

**MATERIALS:**  
 Grab Bar – Type 303, 14-gauge 1/8" (2mm) stainless steel tubing with satin finish, 1/2" (38mm) outside diameter. Clearance between the grab bar and the wall is 1/2" (12mm).

**Concealed Mounting Flanges** – Type 303, 5/16" (8mm) thick, machined solid stainless steel with satin finish. End flanges 2" (50mm) diameter with three holes for attachment to wall.

**Flange Covers** – Type 303, 1/8" (3mm) thick, machined solid stainless steel with satin finish, 2" (50mm) diameter. Each cover is concealing the mounting screws.

**Support Post** – Tubing is connected to Mounting Flanges via a metric #8 hex screw, covered by a machined solid support post, 1/4" (6mm) wall thickness, 1/2" (12mm) outer diameter. Support post connects grab bar to mounting flange.

**ADA/CBC Installation Guidance**  
**Recommended Mounting Heights:**  
 ADA/CBC/ICC: 33" min. to 36" above finished floor (AFP)

**STRENGTH:**  
 Bobrick grab bars that provide 1 1/2" (38mm) clearance from wall can support loads up to 800 lb. (408 kg) if properly installed. Other grab bar configurations can support loads in excess of 200 pounds (93 kg) if properly installed, complying with accessible design (including ADAAG in the U.S.A.) for structural strength.

**5-Year Limited Warranty** – In addition to Bobrick's one-year guarantee, Bobrick extends a limited 5-year warranty from the date of purchase on all parts for model B-9806. This warranty is limited to the repair or exchange of defective parts at the option of Bobrick and is only extended to the original owner of the installed unit against defects in factory workmanship or material under normal use and service.

**Safety Warning:** Grab bars are no stronger than the anchors and walls to which they are attached and, therefore, must be firmly secured in order to support the loads for which they are intended. To avoid potential injury, the building owner or maintenance personnel should remove the grab bar from service if the grab bar is not adequately secured to wall.

**INSTALLATION:**  
 Provide concealed anchor device or backing as specified or required in accordance with local building codes before wall is finished. Fasten mounting flanges to anchor device or backing. Run flange covers over each mounting flange to conceal mounting screws. Concealed anchor devices and mounting screws are not included with Bobrick grab bars and must be specified as an accessory.

**Flange Flanges in desired mounting location. Use flange as a template to mark location of mounting screws and drive mounting screws into the wall at marked locations. Insert grab bar on the wall by placing the flange covers onto the flange pockets, placed onto the back covers. Tighten the screws with curved handle through the flange covers. A metric #8 hex screw with a curved handle that connect the grab bar's tube with the flange. Grab bar shall comply with accessible design (including ADAAG in the U.S.A.) for structural strength.**

**Important Notes:**  
 1. **Replacement Flange Kit** – Bobrick offers a replacement flange kit to install flange. Flange kits furnished with original orders.  
 2. **Dry Wall Mounting Kit** – Bobrick offers a mounting kit that allows the FINO-grab bars to be installed in dry walls without backing. Wall requires minimum 1/2" (12mm) thick (gypsum or steel dry wall).  
 3. **Through-Bolting Kit** – Bobrick offers a mounting kit for Glaston-quon (other material is possible as well) for securing the grab bar from the opposite side of the panel via a "through-flu". Panel thickness can range from 1/2" to 1-3/8" (12mm to 34mm).  
 4. **Back-to-Back Mounting Kit** – Bobrick offers a kit for the installation of two grab bars against each other, being on the opposite side of the panel. Panel thickness can range from 1/2" to 1-3/8" (12mm to 34mm).

**Mounting Kit No. Description**

| Mounting Kit No. | Description  |
|------------------|--|
| 9806-23          | Flange Kit for Fino Grab Bar 9806 Series, Matte Black  |
| 9806-23.MBLK     | Flange Kit for Fino 9806 Series, Matte Black   |
| 9806-20          | Consists of a dry-wall-flange-adapter-kit, part no. 9806-202 and a Wings™ fastener, part no. 9806-201  |
| 9806-20.MBLK     | Dry Wall Mounting Flange Kit for Fino 9806 Series, Matte Black   |
| 9806-21          | Through-flu for securing grab bar from opposite side for 1/2" to 1-3/8" (12mm to 34mm) panel thickness - comprising of a through-flu-headplate, Phillips-washers and grab screws |
| 9806-21.MBLK     | Glass-Mounting Flange Kit for Fino 9806 Series, Matte Black  |
| 9806-22          | Set of #4-washers and grab screws for back-to-back installation for 1/2" to 1-3/8" (12mm to 34mm) panel thickness  |
| 9806-22.MBLK     | Back-to-Back Mounting Flange Kit for Fino 9806 Series, Matte Black   |

**SPECIFICATION:**  
 Grab Bar shall be stainless steel with satin finish or matte black, as specified. Grab bar shall have type 303, 14-gauge 1/8" (2mm) stainless steel tubing 1/2" (38mm) outside diameter. Clearance between the grab bar and the wall shall be 1/2" (12mm). Concealed Mounting Flanges shall be 5/16" (8mm) thick, threaded solid stainless steel with satin finish or matte black, as specified. 2" (50mm) diameter, equipped with three screw holes for attachment to wall. Flange Covers shall be 1/8" (3mm) thick, threaded solid stainless steel with satin finish or matte black, as specified. 2" (50mm) diameter and shall conceal the mounting screws. Threaded solid support posts shall have 1/4" (6mm) wall thickness, 1/2" (12mm) outer diameter securing the flange covers. A metric #8 hex screw with a curved handle that connect the grab bar's tube with the flange. Grab bar shall comply with accessible design (including ADAAG in the U.S.A.) for structural strength.

**Grab Bar shall be Model B-9806** – Insert length of Bobrick Washroom Equipment, Inc., Clifton Park, New York, Jackson, Tennessee, Los Angeles, California; Bobrick Washroom Equipment Company, Scarborough, Ontario; Bobrick Washroom Equipment Pty. Ltd., Australia; and Bobrick Washroom Equipment Limited, United Kingdom.

**KB300-SS Baby Changing Station Closed Position**

**KB300-SS Baby Changing Station Open Position**

\*Diagrams are not to scale.

**KB300-SS Baby Changing Station Open Position**

\*Diagrams are not to scale.

**CLAYTON PARK**

CONCORD TOWNSHIP PA

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**American Standard** **Washbrook® FloWise® Universal Urinal**  
 VITREOUS CHINA

**Washbrook® FloWise® Universal Urinal**

- Vitreous china
- Ultra High Efficiency, Low Consumption. Operates in the range of 0.125gpf to 1.0gpf (0.5 Lpf to 3.8 Lpf)
- Flushing rim
- Elongated 14" rim from finished wall
- Washout flush action
- Extended sides for privacy
- 3/4" inlet spud
- Quiet connection threaded 2" inside (NPTF)
- 2 wall hangers
- Fixture only
- Strainer included
- Meets ASME flush requirements at 0.125 to 1.0 gpf

**6590.001** Universal Top Spud  
**6515.001** Universal Back Spud

**Nominal Dimensions:**  
 360 x 480 x 664mm  
 (14-1/8" x 18-7/8" x 26-1/8")

Recommended working pressure – between 20 psi at valve when flushing and 80 psi static

**Compliance Certifications - Meets or Exceeds the Following Specifications:**

- ASME A112.19.2-2008/CSA B45.1-08 for Vitreous China Fixtures

**To Be Specified:**

- Color: White
- Flush Valve:
  - 1.0 gpf Flush Valve: Sensor Operated: American Standard Selectronic® #6063.101.002 DC Power (Top Spud)
  - American Standard Selectronic® #6062.101.002 AC Power (Back Spud)
  - 1.0 gpf Flush Valve: Manual Operated: American Standard # 6045.101.002
  - 0.5 gpf Flush Valve: Sensor Operated: American Standard Selectronic® #6063.051.002 DC Power (Top Spud)
  - American Standard Selectronic® #6062.051.002 AC Power (Back Spud)
  - 0.5 gpf Flush Valve: Manual Operated: American Standard #6045.051.002
  - 0.125 gpf Flush Valve: Sensor Operated: American Standard Selectronic® #6063.013.002 DC Power (Top Spud)
  - American Standard Selectronic® #6062.013.002 AC Power (Back Spud)
  - 0.125 gpf Flush Valve: Manual Operated: American Standard #6045.013.002

**MEETS THE AMERICANS WITH DISABILITIES ACT GUIDELINES AND ANTI-BIAS, ACCESSIBLE AND USABLE BUILDING FACILITIES - CHECK LOCAL CODES.**

**CEC** **ADA**

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**American Standard** **Washbrook® FloWise® Universal Urinal**  
 VITREOUS CHINA

**6590.001 TOP SPUD** **6515.001 BACK SPUD**

**MEETS THE AMERICANS WITH DISABILITIES ACT GUIDELINES AND ANTI-BIAS, ACCESSIBLE AND USABLE BUILDING FACILITIES - CHECK LOCAL CODES.**

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**American Standard** **Afwall® Millennium™ FloWise® Elongated Flushometer Toilet**  
 VITREOUS CHINA WITH EVERCLEAN®

**Afwall® Millennium™ FloWise® Elongated Flushometer Toilet with EverClean®**

- Wall-mounted flushometer valve toilet
- Vitreous china
- High Efficiency, Low Consumption. Operates in the range of 1.1 gpf to 1.6 gpf (4.2 Lpf to 6.0 Lpf)
- Meets definition of HET (High Efficiency Toilet) when used with a high efficiency flush valve (1.1 gpf - 1.6 gpf or 1.28/1.1 gpf dual flush)
- Maximum Performance (MFP) score of 1,000 grams at 1.1 gpf - 1.6 gpf
- Permanent EverClean® antimicrobial surface inhibits the growth of stain- and odor-causing bacteria, mold, and mildew on the surface
- Condensation channel
- Concealed trapway design
- Elongated bowl
- Powerful directed siphon jet action
- 1-1/2" inlet spud
- Fully-glazed 2-1/8" trapway
- 10" x 12" water surface area
- Tested to support static weight load of 1,000 lbs. (454 kg)

**3351.101** Elongated bowl only, top spud  
**3352.101** Elongated bowl only, top spud with slotted rim for bedpan holding  
**3353.101** Elongated bowl only, back spud  
**3354.101** Elongated bowl only, back spud with slotted rim for bedpan holding

**System Map® Score:**  
 • 1,000 grams of mist @ 1.1 gpf to 1.6 gpf when used with an American Standard flush valve  
 • Maximum Performance (MFP) testing performed by IAPMO RPT Lab. MFP report conducted by Galley Associates Ltd. and Kohler Inc. Company.

**Component Parts:**  
**04700-0070A** Inlet Spud (furnished with bowl)

**Nominal Dimensions:**  
 650 x 355 x 321mm  
 (26" x 14" x 13")

Recommended working pressure – between 25 psi at valve when flushing and 80 psi static. Fixture only, less seat, bolt caps, and flushometer valve

**Compliance Certifications - Meets or Exceeds the Following Specifications:**

- ASME A112.19.2/CSA B45.1 for Vitreous China Fixtures

**MEETS THE AMERICANS WITH DISABILITIES ACT GUIDELINES AND ANTI-BIAS, ACCESSIBLE AND USABLE BUILDING FACILITIES - CHECK LOCAL CODES.**

**CEC** **ADA** **EVOLCAN** **WATER EFFICIENT**

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 www.3351-3354/01/AfwallMillennium/Rev.11/18

**American Standard** **Afwall® Millennium™ FloWise® Elongated Flushometer Toilet**  
 VITREOUS CHINA WITH EVERCLEAN®

**3351.101/3352.101** **3353.101/3354.101**

**To Be Specified:**

- Color: White
- Seat:
  - American Standard #9001.100 Heavy duty open front less cover
  - American Standard #5905.100 Extra heavy duty open front less cover
- Flushometer Valve:
  - 1.6 gpf:
    - Sensor-Operated: American Standard Selectronic® DC Power #6065.161.002 (Top Spud)
    - AC Power #6067.161.002 (Top Spud)
    - Manual: American Standard #6047.161.002 (Top Spud)
  - 1.28 gpf:
    - Sensor-Operated: American Standard Selectronic® DC Power #6065.121.002 (Top Spud)
    - AC Power #6067.121.002 (Top Spud)
    - Manual: American Standard #6047.121.002 (Top Spud)
  - 1.6 / 1.1 gpf Dual Flush:
    - Sensor-Operated: American Standard Selectronic® DC Power #6065.761.002 (Top Spud)
    - AC Power #6067.761.002 (Top Spud)
  - 1.28 / 1.1 gpf Dual Flush:
    - Sensor-Operated: American Standard Selectronic® DC Power #6065.721.002 (Top Spud)
    - AC Power #6067.721.002 (Top Spud)

**NOTES:**  
 • Toilet designed to meet ADA accessibility standards when top of seat height set at 432 to 453mm (17" to 18") from finished floor.  
 • PRODUCT 3351 AND 3353 SHOWN. 3352 AND 3354 SAME EXCEPT WITH SLOTTED RIM FOR BED PAN HOLDING.  
 • BATHY OUTLET SHALL HAVE MINIMUM CLEARANCE BETWEEN FACE OF WALL AND BACK OF BOWL.  
 • BATHY OUTLET SHALL HAVE MINIMUM CLEARANCE BETWEEN FACE OF WALL AND BACK OF BOWL.  
 • BATHY OUTLET SHALL HAVE MINIMUM CLEARANCE BETWEEN FACE OF WALL AND BACK OF BOWL.  
 • FLUSH-CARRIER VALVE NOT INCLUDED WITH FIXTURE AND MUST BE ORDERED SEPARATELY.  
 • CARRIER TRAP IS REQUIRED TO BE FURNISHED BY OTHERS.  
 • PROVIDE SUITABLE REINFORCEMENT FOR ALL WALL SUPPORT.

**IMPORTANT:** Dimensions of fixtures are nominal and may vary within the range of tolerances established by ANSI Standard A112.19.2. These measurements are subject to change or cancellation. No responsibility is assumed for use of suspended or voided pages.

**MEETS THE AMERICANS WITH DISABILITIES ACT GUIDELINES AND ANTI-BIAS, ACCESSIBLE AND USABLE BUILDING FACILITIES - CHECK LOCAL CODES.**

**CEC** **ADA** **EVOLCAN** **WATER EFFICIENT**

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**MDESIGNS + MWJ CONSULTING LLC**  
 ARCHITECTURE PLANNING DEVELOPMENT

SEAL:

Mark Revisions Date

ALL DIMENSIONS AND RELATIONSHIPS MUST BE VERIFIED BY CONTRACTOR. THE ARCHITECT IS TO BE NOTIFIED OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE CONSTRUCTION. DO NOT SCALE FROM DRAWINGS.

PROJECT # Project Number

DRAWN BY Author

CHECKED BY Checker

DATE 07-07-2024

**BID SET**

**DETAILS**

DRAWING TITLE

**A9**



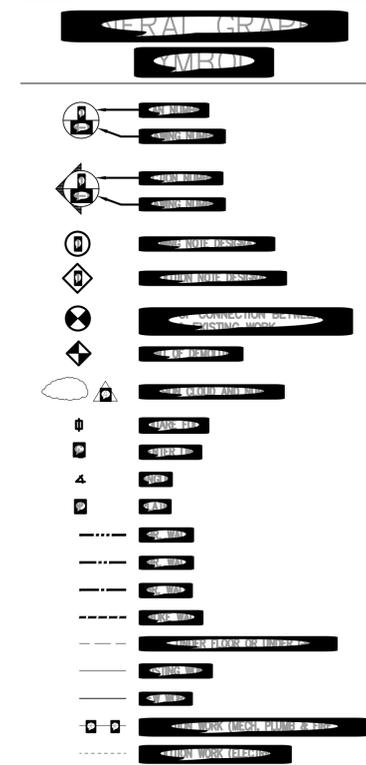
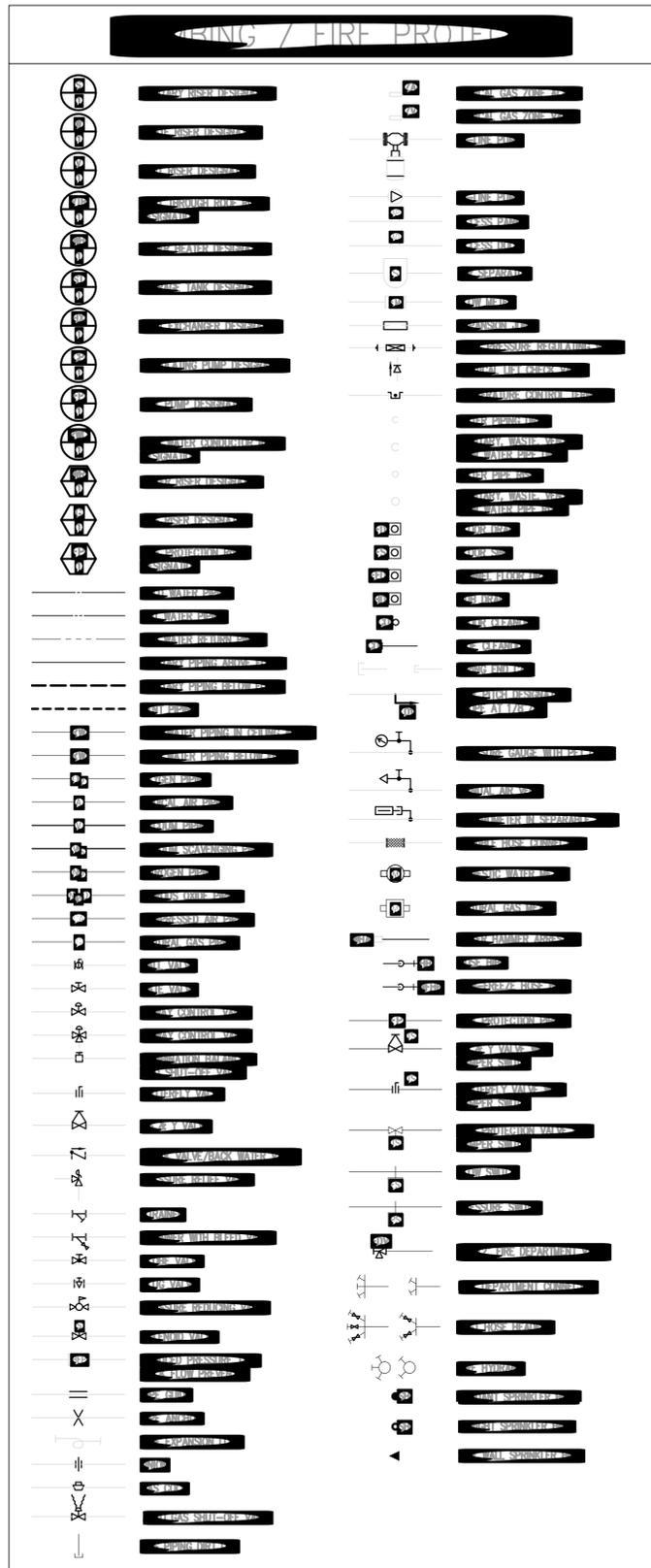
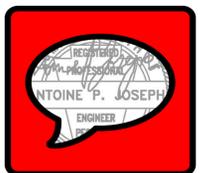
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SEAL:



| PLUMBING PIPE & FITTING SCHEDULE                   |                    |             |                  |                                |                  |  |  |
|--|--------------------|-------------|------------------|--------------------------------|------------------|--|--|
| BASEMENT, EXPOSED PIPING IN LEVEL 1 AND ALL RISERS |                    |             |                  |                                |                  |  |  |
| SYSTEM   | PIPE SIZE          | LOCATION    | MATERIAL         | SCHEDULE OR TYPE               | FITTING          | JOINT  | REMARKS  |
| SANITARY   | ALL                | BELOW GRADE | CAST IRON        | SERVICE WEIGHT C.I.            | CAST IRON        | BELL & SPICOT WITH LEAD AND OAKUM                    | PROVIDE INSPECTION REPORTS PRIOR TO BACKFILL                                     |
|  | 2" AND LARGER      | ABOVE GRADE | CAST IRON        | HUBLESS CAST IRON              | CAST IRON        | HEAVY DUTY STAINLESS STEEL COUPLINGS                 |  |
|  | 2-1/2" AND SMALLER |             | CAST IRON COPPER | SERVICE WEIGHT COPPER DWY/TUBE | CAST IRON COPPER | HEAVY DUTY STAINLESS STEEL COUPLINGS COPPER SOLDERED | ALL EXPOSED SANITARY PIPING BELOW PLUMBING FIXTURES SHALL BE CHROME PLATED BRASS |
| SANITARY VENT                                      | 2" AND LARGER      | ABOVE GRADE | CAST IRON        | HUBLESS CAST IRON              | CAST IRON        | HEAVY DUTY STAINLESS STEEL COUPLINGS                 |  |
|  | 2-1/2" AND SMALLER |             | CAST IRON COPPER | SERVICE WEIGHT COPPER DWY/TUBE | CAST IRON COPPER | HEAVY DUTY STAINLESS STEEL COUPLINGS COPPER SOLDERED |  |
| DOMESTIC COLD WATER                                | ALL                | ABOVE GRADE | COPPER           | TYPE 'L'                       | WROUGHT COPPER   | COPPER SOLDERED                                      | 95% TIN & 5% ANTIMONY  |
| DOMESTIC HOT WATER                                 | ALL                | ABOVE GRADE | COPPER           | TYPE 'L'                       | WROUGHT COPPER   | COPPER SOLDERED                                      | 95% TIN & 5% ANTIMONY  |
| CONDENSATE   | ALL                | ABOVE GRADE | COPPER           | TYPE 'L'                       | WROUGHT COPPER   | COPPER SOLDERED                                      | 95% TIN & 5% ANTIMONY  |

NOTES:

- SUPPLY FIXTURE WITH 1/4" TURN SHUT OFF VALVES ON DOMESTIC WATER LINES AT AN ACCESSIBLE LOCATION TO THE FIXTURE
- FIXTURE PROVIDED WITH CASNETRY AND INSTALLED BY THE GENERAL CONTRACTOR. SEE ARCHITECTURAL DRAWINGS AND SPECIFICATION FOR FIXTURE TYPE. THIS CONTRACTOR TO PROVIDE ALL MATERIAL NECESSARY TO FULLY PLUMB FIXTURE AND ALL ACCESSORIES SHOWN PER MANUFACTURER'S RECOMMENDATIONS
- PROVIDE WITH CLOSET FLANGE AND EXTRA WAX RING.

| Mark | Revisions | Date |
|------|-----------|------|
|      |           |      |

ALL DIMENSIONS AND RELATIONSHIPS MUST BE VERIFIED BY CONTRACTOR. THE ARCHITECT IS TO BE NOTIFIED OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE CONSTRUCTION. DO NOT SCALE FROM DRAWINGS.

|            |                |
|------------|----------------|
| PROJECT #  | Project Number |
| DRAWN BY   | JW             |
| CHECKED BY | JW             |
| DATE       | 05/13/24       |

BID SET

PLUMBING SYMBOLS & ABBREVIATIONS

DRAWING TITLE

P000



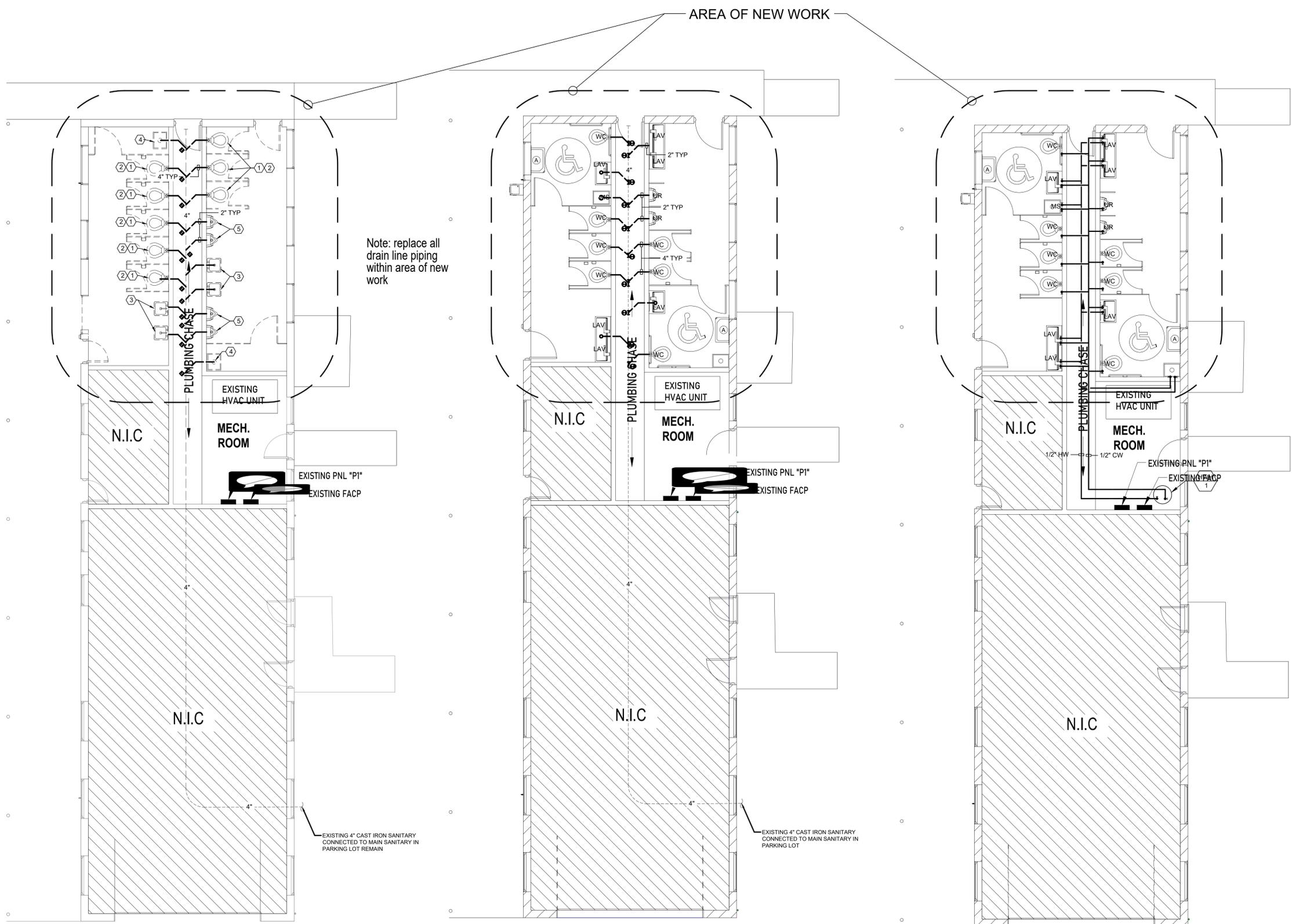
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**DEMOLITION NOTES**

- 1 DEMOLISH AND PROPERLY DISPOSE OF WATER CLOSET COPPER WATER SUPPLY LINES, SHUT OFF VALVES AND ASSOCIATED DRAINAGE PIPING BACK TO WATER MAIN OR SANITARY MAIN.
- 2 CAREFULLY DEMOLISH AND PROPERLY DISPOSE OF EXISTING LAVATORY, CHAIR CARRIER AND ASSOCIATED SANITARY PIPING UP TO SANITARY MAIN.
- 3 CAREFULLY DEMOLISH AND PROPERLY DISPOSE OF EXISTING LAVATORY, ASSOCIATED WALL BRACKETS WATER SUPPLY LINES AND VALVES AND SANITARY PIPING BACK TO WATER SUPPLY & SANITARY MAIN.
- 4 CAREFULLY DEMOLISH AND PROPERLY DISPOSE OF EXISTING MOP SINK WALL BRACKETS WATER SUPPLY LINES, VALVES AND SANITARY PIPING BACK TO WATER SUPPLY & SANITARY MAIN.
- 5 CAREFULLY DEMOLISH AND PROPERLY DISPOSE OF EXISTING URINALS, ASSOCIATED WALL BRACKETS WATER SUPPLY LINES, VALVES AND SANITARY PIPING BACK TO WATER SUPPLY & SANITARY MAIN.



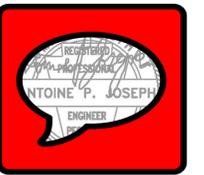
1 PLUMBING SANITARY DEMO PLAN  
P100 Scale: 3/16"=1'-0"

2 PLUMBING SANITARY INSTALLATION PLAN  
P100 Scale: 3/16"=1'-0"

3 PLUMBING DOMESTIC WATER PLAN  
P100 Scale: 3/16"=1'-0"



SEAL:



| Mark | Revisions | Date |
|------|-----------|------|
|      |           |      |

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|            |                |
|------------|----------------|
| PROJECT #  | Project Number |
| DRAWN BY   | JW             |
| CHECKED BY | JW             |
| DATE       | 05/13/24       |

**BID SET**

PLUMBING DEMOLITION & NEW INSTALLATION PLAN

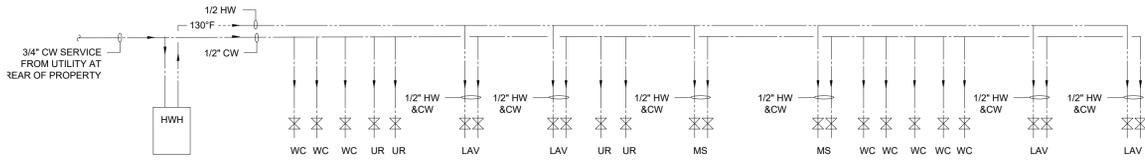
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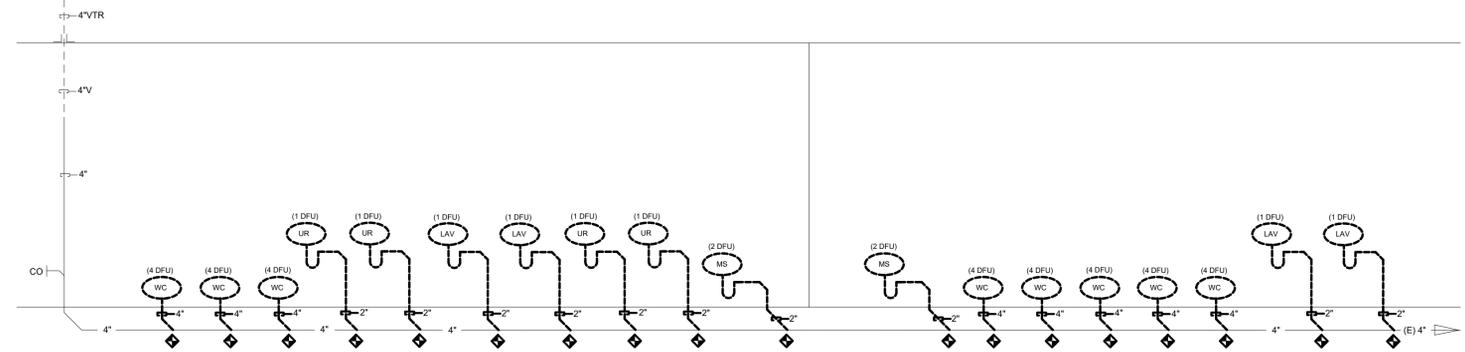
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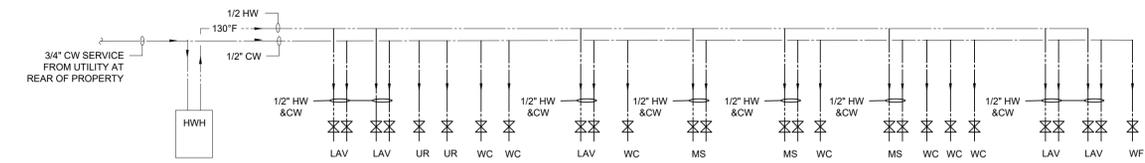
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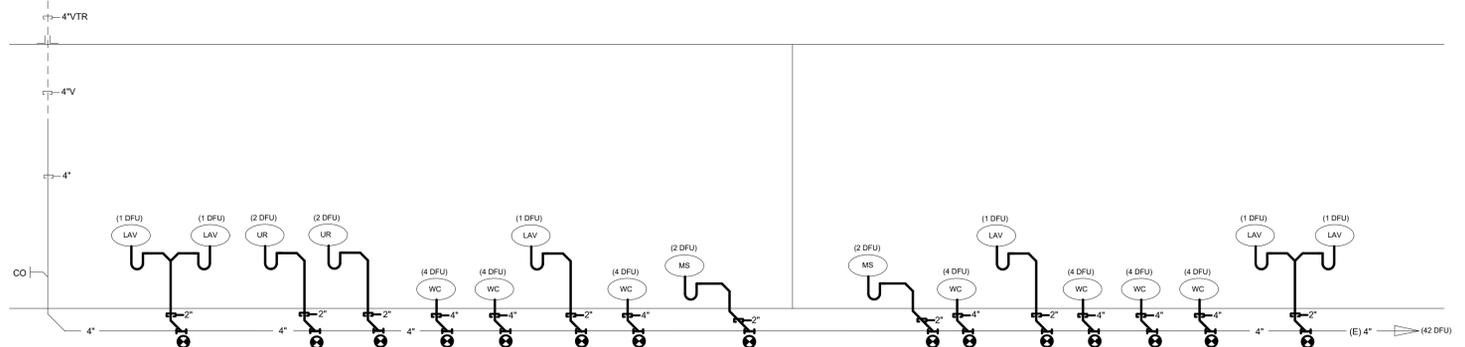
1 EXISTING DOMESTIC WATER RISER  
P101 Scale: N.T.S.



2 EXISTING SANITARY PLUMBING DEMO RISER  
P101 Scale: N.T.S.



1 PROPOSED DOMESTIC WATER RISER  
P101 Scale: N.T.S.



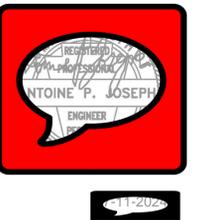
4 PROPOSED SANITARY PLUMBING RISER  
P101 Scale: N.T.S.

LINE WEIGHT LEGEND:

- = EQUIPMENT SHOWN IN LIGHT LINE WEIGHT IS PLUMBING EQUIPMENT, PIPING THAT IS EXISTING TO REMAIN
- = EQUIPMENT SHOWN IN HEAVY LINE WEIGHT IS PLUMBING EQUIPMENT PIPING DEVICES THAT ARE INSTALLED AS PART OF THIS CONTRACT.
- = EQUIPMENT SHOWN IN WITH DASHED LINES IS PLUMBING EQUIPMENT TO BE DEMOLISHED AS PART OF THIS PROJECT.



SEAL:



| Mark | Revisions | Date |
|------|-----------|------|
|      |           |      |

ALL DIMENSIONS AND RELATIONSHIPS MUST BE VERIFIED BY CONTRACTOR. THE ARCHITECT IS TO BE NOTIFIED OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE CONSTRUCTION. DO NOT SCALE FROM DRAWINGS.

|            |                |
|------------|----------------|
| PROJECT #  | Project Number |
| DRAWN BY   | JW             |
| CHECKED BY | JW             |
| DATE       | 05/13/24       |

BID SET

PLUMBING SANITARY AND DOMESTIC RISER DIAGRAMS

DRAWING TITLE

P101

**MUSTEE** Mop Service Basin — Model 63M  
 Preferred by the "Pros"

SEE PAGE 2 FOR A LIST OF ACCESSORIES!

**Design features:**

- All Mustee basins are one-piece molded from high impact resistant DURASTONE® structural fiberglass (24" x 24")
- Integral, molded-in drain for connection to 3" ABS, PVC (Sch. 80) or cast iron
- Available drain seals for connection to 2" pipe or 3" soil pipe
- Complete range of accessories to meet specific application needs
- Colorfast marbled white finish
- Easy to install

**Code Accepted**

Mustee Mop Service Basins meet or exceed performance requirements as listed:

- International Association of Plumbing and Mechanical Officials (IAPMO) Listed
- Warnock Hersey® (Canada) Listed—CSA test standards: Mop Basins - #B45.0
- American National Standards Institute (ANSI)-Specification Z 124-2011
- American Society of Testing and Materials (ASTM) D 635 E 84 and E 162
- CAN/ULC S102-07 Burn and Smoke Test

**Specifications**

| Model Number | Model | H x W x D       | UPC             |
|--------------|-------|-----------------|-----------------|
| 63M          | White | 10" x 24" x 24" | 6 71031 00189 4 |

**General:** Furnish and install as shown on plans. Mop Service Basin model 63M, as manufactured by E.L. Mustee & Sons, Inc. is a one-piece molded fiberglass made with matched metal nodes using extreme heat and pressure. Height shall be 10" with not less than 1" wide shoulder. Slot 24" x 24" Drain shall be integrally molded complete with drain seal for installation of 3" ABS, PVC (Sch. 80) and iron pipe. Removable stainless steel strainer. Performance tested to meet or exceed ANSI Z 124-2011 and FMVLD LMA-75 Weight 45 lbs., cubic feet 4.2. Install in compliance with local codes.

**Sectional View** **Top View**

**CEC** **MUSTEE** E.L. Mustee & Sons, Inc. • 5437 West 166th Street • Brook Park, OH 44142 • Phone 208.287.2300 • Fax 208.587.9907  
 Email: info@mustee.com • Web: www.mustee.com • Proudly made in the USA

**Afwall® Millennium® FloWise® Elongated Flushometer Toilet LESS EverClean™**  
 VITREOUS CHINA LESS EVERCLEAN™

**Barrier Free**

**Afwall® Millennium® FloWise® Elongated Flushometer Toilet LESS EverClean™**

- Wall-mounted flushometer valve toilet
- Vitreous china
- Conventional glaze
- High Efficiency, Low Consumption. Operates in the range of 1.1 gpf to 1.6 gpf (4.2 Lpf to 6.0 Lpf)
- Meets definition of HET (High Efficiency Toilet) when used with a high efficiency flush valve (1.1 gpf - 1.6 gpf or 1.28/1.1 gpf dual flush)
- Maximum Performance (MAP) score of 1,000 grams at 1.1 gpf - 1.6 gpf
- Condensation channel
- Concealed trapway design
- Elongated bowl
- Powerful direct-fed siphon jet action
- 1-1/2" inlet spud
- Fully-glazed 2-1/8" trapway
- 10" x 12" water surface area
- Tested to support static weight load of 1,000 lbs. (454 kg)

**2257101** Elongated bowl only, top spud  
**2633101** Elongated bowl only, top spud with slotted rim for bedpan holding  
**2634101** Elongated bowl only, back spud

**System MAP Score:**

- 1,000 grams of mass @ 1.1 gpf to 1.6 gpf when used with an American Standard flush valve

**Component Parts:**

- 047007-0070A** Inlet Spud (furnished with bowl)

**Nominal Dimensions:**  
 650 x 356 x 381mm  
 (26" x 14" x 15")

**Recommended working pressure—between 25 psi at valve when flushing and 80 psi static**  
 Fixture only, less seat, bolt caps, and flushometer valve

**Compliance Certifications - Meets or Exceeds the Following Specifications:**

- ASME A112.19.2/CSA B45.1 for Vitreous China Fixtures

**CEC** **ADA** **COMPLIANT**

MEETS THE AMERICANS WITH DISABILITIES ACT GUIDELINES AND ANSI A117.1 REQUIREMENTS FOR ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES—CHECK LOCAL CODES.

When installed on top of seat to 432 to 453mm (17" to 19") from finished floor.

M127 © 2018 AS America, Inc. spec\_2257101 AfwallMillennium-FW Rev 11/18

**Installation**

**LVQD2**

**Verge® Lavatory System - LVQ-Series with WashBar® Technology**

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**To Be Specified:**

- Color:  White
- Seat:  American Standard #5901-100 Heavy duty open front less cover
- American Standard #5905-100 Extra heavy duty open front less cover
- Flushometer Valve:  1.6 gpf: Sensor-Operated: American Standard Selectronic® DC Power #6065.151.002 (Top Spud) AC Power #6067.151.002 (Top Spud) Manual: American Standard #6047.151.002 (Top Spud)  Sensor-Operated: American Standard Selectronic® DC Power #6065.121.002 (Top Spud) AC Power #6067.121.002 (Top Spud) Manual: American Standard #6047.121.002 (Top Spud)  1.6 / 1.1 gpf Dual Flush: Sensor-Operated: American Standard Selectronic® DC Power #6065.761.002 (Top Spud) AC Power #6067.761.002 (Top Spud) Manual: American Standard #6047.761.002 (Top Spud)  Sensor-Operated: American Standard Selectronic® DC Power #6065.721.002 (Top Spud) AC Power #6067.721.002 (Top Spud)

**Read the instructions in this manual before beginning installation. Save these instructions and refer to them for inspection, maintenance, and troubleshooting information.**

For questions regarding the operation, installation or maintenance of this product, visit bradleycorp.com or call 800.BRADLEY (800.272.3538). Product warranties and parts information may also be found under "Resources" on our website at bradleycorp.com.

215-1843 Rev. R: ECO 23-08-045 © 2023 Bradley Page 1 of 44 11/8/2023

P.O. Box 303 Monroeville, PA 15146-0303 800.BRADLEY (800.272.3538) 1-202-281-6300 bradleycorp.com

**SMITH® JAY R. SMITH MFG. CO.** LOCATION

**URINAL SUPPORTS FOR OFF-THE-FLOOR URINALS**

WITH PLATE FOR BLOWOUT AND WASHOUT URINALS WITH WALL HANGERS

Hangers Furnished With Fixture

NOTE: All support bases must be securely anchored to a rigid floor and/or other rigid substructure with (4) 1/2" bolts furnished by others.

NOTE: Dimensions shown in parentheses are in millimeters.

\*This dimension can be increased when fixture support is to be installed behind the wall (specify when required and wall thickness).

**ROUGH-IN TABLE**

| FIXTURE MFG. | NAME      | NUMBER      | A          | B           | D            | E           | F          | G         | H          | J      | K | L |
|--------------|-----------|-------------|------------|-------------|--------------|-------------|------------|-----------|------------|--------|---|---|
| Am. Std.     | Washbrook | 6501.010    | 24 (610)   | 39 (990)    | 13 1/2 (343) | 21 (533)    | 7 (180)    | 1.02 (13) | 1.316 (33) | 2 (51) | X | - |
| Am. Std.     | Washbrook | 6506.011    | 24 (610)   | 39 (990)    | 13 1/2 (343) | 21 (533)    | 7 (180)    | 1.02 (13) | 1.316 (33) | 2 (51) | X | - |
| Am. Std.     | Lynbrook  | 6038.010    | 24 (610)   | 42 (1015)   | 13 1/2 (343) | 21 (533)    | 7 (180)    | 1.02 (13) | 1.316 (33) | 1 (25) | X | - |
| Am. Std.     | Lynbrook  | 6031.019    | 24 (610)   | 42 (1015)   | 13 1/2 (343) | 21 (533)    | 7 (180)    | 1.02 (13) | 1.316 (33) | 1 (25) | X | - |
| Am. Std.     | Trembrook | 6505.015    | 24 (610)   | 37.5 (953)  | 11 (280)     | 16.38 (416) | 5 (125)    | 1 (25)    | 1.316 (33) | 1 (25) | X | - |
| Am. Std.     | Trembrook | 6505.023    | 24 (610)   | 37.5 (953)  | 11 (280)     | 16.38 (416) | 5 (125)    | 1 (25)    | 1.316 (33) | 1 (25) | X | - |
| Am. Std.     | Trembrook | 6505.014    | 24 (610)   | 37.5 (953)  | 11 (280)     | 16.38 (416) | 5 (125)    | 1 (25)    | 1.316 (33) | 1 (25) | X | - |
| Am. Std.     | Trembrook | 6505.022    | 24 (610)   | 37.5 (953)  | 11 (280)     | 16.38 (416) | 5 (125)    | 1 (25)    | 1.316 (33) | 1 (25) | X | - |
| Am. Std.     | Comedy    | 161-1006.45 | 24 (610)   | 38.3 (978)  | 12 (305)     | 21 (533)    | 5.34 (136) | 1 (25)    | 1 (25)     | 1 (25) | X | - |
| Elber        | Terminal  | 161-1006.75 |            |             |              |             |            |           |            |        |   |   |
| Elber        | Dover     | 161-1190.3  | 23.8 (600) | 33.7 (860)  | 6.1 (155)    | 23.1 (586)  | 6.1 (155)  | 2 (51)    | 1 (25)     | 1 (25) | X | - |
| Elber        | Dover     | 161-1190.75 | 24 (610)   | 32.38 (822) | 6 (152)      | 17 (430)    | 6 (152)    | 1 (25)    | 1 (25)     | 1 (25) | X | - |
| Kohler       | Stanwell  | K-4670-T-R  | 24 (610)   | 42 (1015)   | 12 (305)     | 22 (560)    | 5.38 (137) | 1 (25)    | 1 (25)     | 1 (25) | X | - |
| Kohler       | Baron     | K-4680-T-R  | 24 (610)   | 42 (1015)   | 12 (305)     | 21 (533)    | 6.14 (156) | 1 (25)    | 1 (25)     | 1 (25) | X | - |
| Kohler       | Derry     | K-6007-T-R  | 24 (610)   | 29 (736)    | 6 (152)      | 22 (560)    | 6 (152)    | 1 (25)    | 1 (25)     | 1 (25) | X | - |
| Kohler       | Dexter    | K-6014-T-R  | 24 (610)   | 32 (813)    | 6 (152)      | 17 (430)    | 6 (152)    | 1 (25)    | 1 (25)     | 1 (25) | X | - |

**WEIGHT POUNDS** **VOLUME CUBIC FEET** **FIGURE NUMBER** **0637**

MEETS THE AMERICANS WITH DISABILITIES ACT GUIDELINES AND ANSI A117.1 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES—CHECK LOCAL CODES.

When installed on top of rim to 432mm (17") MAXIMUM from finished floor.

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**American Standard** Washbrook® FloWise® Universal Urinal VITREOUS CHINA

**Barrier Free**

**Washbrook® FloWise® Universal Urinal**

- Vitreous china
- Ultra High Efficiency, Low Consumption. Operates in the range of 0.125gpf to 1.0gpf (0.5 Lpf to 3.8 Lpf)
- Flushing rim
- Elongated 14" rim from finished wall
- Washout flush action
- Extended sides for privacy
- 3/4" inlet spud
- Outlet connection threaded 2" inside (NPTF)
- 2 wall hangers
- Fixture only
- Strainer included
- Meets ASME flush requirements at 0.125 to 1.0 gpf

**6590.001** Universal Top spud  
**6515.001** Universal Back spud

**Nominal Dimensions:**  
 360 x 480 x 664mm  
 (14-1/8" x 18-7/8" x 26-1/8")

**Recommended working pressure — between 20 psi at valve when flushing and 80 psi static**

**Compliance Certifications - Meets or Exceeds the Following Specifications:**

- ASME A112.19.2-2008/CSA B45.1-08 for Vitreous China Fixtures

**CEC** **ADA** **COMPLIANT**

MEETS THE AMERICANS WITH DISABILITIES ACT GUIDELINES AND ANSI A117.1 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES—CHECK LOCAL CODES.

When installed on top of rim to 432mm (17") MAXIMUM from finished floor.

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**SMITH® JAY R. SMITH MFG. CO.** LOCATION

**ADJUSTABLE FIXTURE SUPPORTS FOR SIPHON JET WATER CLOSETS SHALLOW ROUGH-IN TYPE**

**NO-HUB HORIZONTAL FITTINGS**

**SINGLE** Thrust Bearing Nuts And Washers  
 Finished Wall  
 Rear Support Lug and -M51 Anchor Foot Assembly with 3/8"(10) Hardware Regularly Furnished

**DOUBLE** Thrust Bearing Nuts And Washers  
 Finished Wall  
 Base Support

**Fig. 0211R Top View** **Fig. 0211D Top View**

**Fig. 0211L NO-HUB Left Hand**  
**Fig. 0211Y NO-HUB Right Hand**  
**Fig. 0221L NO-HUB Left Hand Long Barrel**  
**Fig. 0221Y NO-HUB Right Hand Long Barrel**

**NOTE:** Base support and rear anchor must be securely anchored to floor with four 1/2"(13) bolts provided by contractor.

**NOTE:** Dimensions shown in parentheses are in millimeters.

The water closet gasket regularly furnished is made of molded neoprene and designed to fit water closet outlet dimensions and configurations shown in ASME A112.19.2-2008, Figure 13B. If gasket is not found to be compatible, no fixture clear to manufacturer of said fixture to ASME A112.19.2-2008, then, fixture manufacturer shall be consulted for a suitable gasket recommendation. Any K. Smith assumes no liability for connection to fixture which do not conform to these standards.

**NOTE:** dimension is 4" (100) (regularly furnished) consisting of ridge and Alpha-In-Hub coupling permitting adjustment from 3" (76) min. to 4" (100) max.

Comforms with the requirements of ASME A112.6.1M up to a 500 lbs (227kg) static load rating.

**CEC** **ADA** **COMPLIANT**

MEETS THE AMERICANS WITH DISABILITIES ACT GUIDELINES AND ANSI A117.1 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES—CHECK LOCAL CODES.

When installed on top of rim to 432mm (17") MAXIMUM from finished floor.

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CLAYTON PARK

CONCORD TOWNSHIP PA



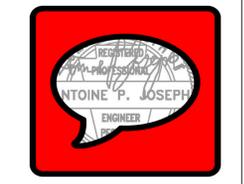
OWNER  
 DELAWARE COUNTY DEPARTMENT OF PUBLIC WORKS  
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ARCHITECTURE PLANNING DEVELOPMENT



Mark Revisions Date

ALL DIMENSIONS AND RELATIONSHIPS MUST BE VERIFIED BY CONTRACTOR. THE ARCHITECT IS TO BE NOTIFIED OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE CONSTRUCTION. DO NOT SCALE FROM DRAWINGS.

PROJECT # Project Number

DRAWN BY JW

CHECKED BY JW

DATE 05/13/24

PLUMBING FIXTURE SHEETS

DRAWING TITLE

## ABBREVIATIONS

|      |   |                 |  |
|------|---|-----------------|--|
| (E)  | EXISTING TO REMAIN                              | MCC             | MOTOR CONTROL CENTER                           |
| (R)  | EXISTING TO BE RELOCATED                        | MCP             | MOTOR CIRCUIT PROTECTOR                        |
| (X)  | EXISTING TO BE REMOVED                          | MDP             | MAIN DISTRIBUTION PANEL                        |
| A    | AMPERE(S)                                       | MECH            | MECHANICAL                                     |
| AV   | AUDIO/VISUAL                                    | MH              | MANHOLE  |
| AC   | ALTERNATING CURRENT                             | MIC             | MICROPHONE                                     |
| AF   | AMP FRAME                                       | MLO             | MAIN LUGS ONLY                                 |
| AFF  | ABOVE FINISHED FLOOR                            | MTD             | MOUNTED  |
| AFG  | ABOVE FINISHED GRADE                            | MTG             | MOUNTING                                       |
| AIC  | AMPERES INTERRUPTING CAPACITY                   | MTR             | MOTOR  |
| AT   | AMPERE TRIP                                     | NC              | NORMALLY CLOSED                                |
| ATC  | AUTOMATIC TEMPERATURE CONTROL                   | NEMA            | NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION |
| ATS  | AUTOMATIC TRANSFER SWITCH                       | NFSS            | NON-FUSED SAFETY SWITCH                        |
| AWG  | AMERICAN WIRE GAUGE                             | N.I.C           | NOT IN CONTRACT                                |
| BFC  | BELOW FINISHED CEILING                          | NL              | NIGHT LIGHT                                    |
| BMS  | BUILDING MANAGEMENT SYSTEM                      | NO              | NORMALLY OPEN                                  |
| BUS  | BUSWAY  | NTS             | NOT TO SCALE                                   |
| C    | CONDUIT   | OC              | ON CENTER                                      |
| CATV | CABLE ANTENNA TELEVISION                        | OL              | OVERLOAD ELEMENT                               |
| CC   | CONTROL CABINET                                 | P               | POWER OR POLE                                  |
| CCTV | CLOSED CIRCUIT TELEVISION                       | PB              | PUSH BUTTON                                    |
| CKT  | CIRCUIT   | PC              | PLUMBING CONTRACTOR                            |
| CL   | COLUMN LINE                                     | PE              | PHOTOELECTRIC CONTROLLER                       |
| CLG  | CEILING   | PF              | POWER FACTOR                                   |
| CMH  | COMMUNICATIONS MANHOLE                          | PH              | PHASE  |
| CP   | CONTROL PANEL                                   | PL              | PILOT LIGHT                                    |
| CT   | CURRENT TRANSFORMER                             | PNL             | PANEL  |
| CU   | COPPER  | PP              | POWER PANEL                                    |
| D    | DATA  | PR              | PRIMARY  |
| DC   | DIRECT CURRENT                                  | PS              | PULL STATION                                   |
| DP   | DOUBLE POLE                                     | PAN, TILT, ZOOM | PAN, TILT, ZOOM CAMERA                         |
| DS   | DISCONNECT SWITCH                               | PVC             | POLYVINYL CHLORIDE                             |
| DT   | DOUBLE THROW                                    | R               | RELAY  |
| EC   | ELECTRICAL CONTRACTOR                           | RAC             | RIGID ALUMINUM CONDUIT                         |
| EF   | EXHAUST FAN                                     | RAF             | RETURN AIR FAN                                 |
| ELEV | ELEVATOR  | RC              | REMOTE CONTROL                                 |
| ELU  | EMERGENCY LIGHTING UNIT                         | RCP             | REFLECTED CEILING PLAN                         |
| EMH  | ELECTRIC MANHOLE                                | RECPT           | RECEPTACLE                                     |
| EMT  | ELECTRICAL METALLIC TUBING                      | RM              | ROOM   |
| EPO  | EMERGENCY POWER OPERATOR                        | RTU             | ROOF TOP UNIT                                  |
| ETR  | EXISTING TO REMAIN                              | SAF             | SUPPLY AIR FAN                                 |
| EUH  | ELECTRICAL UNIT HEATER                          | SC              | SPRINKLER CONTRACTOR                           |
| EWC  | ELECTRIC WATER COOLER                           | SD              | SMOKE DETECTOR                                 |
| FA   | FIRE ALARM                                      | SEC             | SECONDARY                                      |
| FAAP | FIRE ALARM ANNUNCIATOR PANEL                    | SP              | SINGLE POLE                                    |
| FACP | FIRE ALARM CONTROL PANEL                        | SPKR            | SPEAKER  |
| FB   | FLOOR BOX                                       | ST              | SINGLE THROW                                   |
| FBO  | FURNISHED BY OTHERS - INSTALLED AND WIRED BY EC | SM              | SURFACE MOUNTED                                |
| FCC  | FIRE CONTROL CENTER                             | SW              | SWITCH   |
| FDR  | FEEDER  | SWBD            | SWITCHBOARD                                    |
| FLA  | FULL LOAD AMPS                                  | T               | TELEPHONE                                      |
| FLR  | FLOOR   | TC              | TIMECLOCK                                      |
| FO   | FULL OUTPUT                                     | TD              | TIME DELAY                                     |
| FS   | FLOW SWITCH                                     | TEMP            | TEMPORARY                                      |
| FSS  | FUSED SAFETY SWITCH                             | TS              | TAMPER SWITCH                                  |
| FU   | FUSED   | TV              | TELEVISION                                     |
| G    | GROUND  | TYP             | TYPICAL  |
| GC   | GENERAL CONTRACTOR                              | UFD             | UNDERFLOOR DUCT                                |
| GFCI | GROUND FAULT CIRCUIT INTERRUPTING               | UG              | UNDER GROUND                                   |
| GND  | GROUND  | UH              | UNIT HEATER                                    |
| GRS  | GALVANIZED RIGID STEEL CONDUIT                  | UON             | UNLESS OTHERWISE NOTED                         |
| HD   | HEAT DETECTOR                                   | V               | VOLTS  |
| HID  | HIGH INTENSITY DISCHARGE                        | VA              | VOLT-AMPERES                                   |
| HP   | HORSE POWER                                     | VP              | VAPOR PROOF                                    |
| HPS  | HIGH PRESSURE SODIUM                            | W               | WATTS  |
| HT   | ELECTRIC HEAT TRACE                             | WP              | WEATHERPROOF                                   |
| HZ   | HERTZ   | XFMR            | TRANSFORMER                                    |
| IG   | ISOLATED GROUND                                 | XP              | EXPLOSION PROOF                                |
| IMC  | INTERMEDIATE METALLIC CONDUIT                   |                 |  |
| INC  | INCANDESCENT                                    |                 |  |
| JB   | JUNCTION BOX                                    |                 |  |
| KVA  | KILOVOLT AMPERE(S)                              |                 |  |
| KVAR | KILOVOLT AMPERE-REACTIVE(S)                     |                 |  |
| KW   | KILOWATT(S)                                     |                 |  |
| LBS  | LOAD BREAK SWITCH                               |                 |  |
| LP   | LIGHTING PANEL                                  |                 |  |
| LPS  | LOW PRESSURE SODIUM                             |                 |  |
| MATV | MASTER ANTENNA TELEVISION                       |                 |  |
| MC   | MECHANICAL CONTRACTOR                           |                 |  |
| MCB  | MAIN CIRCUIT BREAKER                            |                 |  |

## ELECTRICAL DEVICE SYMBOLS

|  |  |
|--|--|
|  | WALL-MOUNTED DUPLEX RECEPTACLE               |
|  | WALL-MOUNTED DUPLEX GROUND FAULT INTERRUPTER |
|  | WALL-MOUNTED WATER PROOF DUPLEX RECEPTACLE   |
|  | WALL MOUNTED SWITCH WITH OCCUPANCY SENSOR    |

## LIGHTING FIXTURES SYMBOLS

|  |   |
|--|---|
|  | 1X 4 LED FIXTURE                            |
|  | WALL MOUNTED LIGHT FIXTURE                  |
|  | WALL MOUNTED EXIT SIGN                      |
|  | WALL MOUNTED EXIT SIGN W/ DIRECTIONAL ARROW |
|  | EMERGENCY BATTERY LIGHT FIXTURE             |
|  | REMOTE EMERGENCY BATTERY HEADS              |

## POWER DISTRIBUTION SYMBOLS

|  |                                 |
|--|---------------------------------|
|  | SURFACE MOUNTED PANEL BOARD     |
|  | FLUSH MOUNTED PANEL BOARD       |
|  | CEILING MOUNTED JUNCTION BOX    |
|  | 4 X 4 WALL MOUNTED JUNCTION BOX |

## FIRE ALARM SYMBOLS

|  |                                     |
|--|-------------------------------------|
|  | FIRE ALARM PULL STATION             |
|  | HORN/STROBE                         |
|  | HEAT DETECTOR                       |
|  | SYSTEM SMOKE DETECTOR               |
|  | FIRE ALARM CONTROL PANEL            |
|  | REMOTE ANNUNCIATOR                  |
|  | CEILING-MOUNTED STROBE              |
|  | NON SYSTEM APARTMENT SMOKE DETECTOR |
|  | 120V TAMPER SWITCH                  |
|  | 120V FLOW SWITCH                    |

## GENERAL ELECTRICAL NOTES:

- ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE LATEST ADOPTED EDITION OF THE NATIONAL ELECTRICAL CODE, LOCAL CODES, THE LOCAL AUTHORITY HAVING JURISDICTION, AND INDUSTRY STANDARDS AND PRACTICES
- ALL DEVICES AND EQUIPMENT INSTALLED UNDER THIS CONTRACT SHALL BE NEW AND FREE OF ANY DEFECTS
- ALL CONDUIT SHALL BE 3/4" DIAMETER MINIMUM, UNLESS OTHERWISE NOTED
- MINIMUM CONDUCTOR SIZE SHALL BE #12AWG XHHN OR THWN, COPPER CONDUCTORS, UNLESS OTHERWISE NOTED
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED APPROVALS, PERMITS, AND ACCEPTABLE INSPECTIONS FROM ALL AGENCIES
- THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONDUIT AND FITTINGS FOR ALL PENETRATIONS THROUGH CHAISES, WALLS, FLOORS, AND CEILINGS WHICH ARE FIRE RATED. THE ELECTRICAL CONTRACTOR SHALL PROPERLY SEAL ALL PENETRATIONS TO MAINTAIN FIRE PROTECTION RATING
- THE GROUND ELECTRODE CONDUCTORS SHALL BE SIZED AND GROUNDED PER NEC 250.66
- THE EQUIPMENT GROUND SHALL BE SIZED PER NEC ARTICLE 250.122 AND BE CONTINUOUS THROUGH THE ELECTRICAL SYSTEM WITH A SEPARATE GREEN GROUND INSTALLED IN ALL CONDUITS, WITHOUT EXCEPTION
- PROVIDE BONDING FOR ALL ELECTRICAL AND SYSTEM CONDUITS, STUB-UPS, SURFACE RACEWAY, CABLE TRAYS, AND THE LIKE TO GROUNDING SYSTEM PER NEC REQUIREMENTS
- CONDUIT SHALL BE GROUNDED AND BONDED TO ASSURE ELECTRICAL CONTINUITY AND THE CAPACITY TO SAFELY CONDUCT ANY FAULT CURRENT LIKELY TO BE IMPOSED

## MOUNTING HEIGHTS - ELECTRICAL EQUIPMENT

|                                       |   |
|---------------------------------------|---|
| 9" BELOW FINISHED CEILING             | -WALL MOUNTED BELLS AND FIRE ALARM SOUNDING DEVICE (OR AS SHOWN ON ARCHITECTURAL DETAILS)<br>-TV MONITOR OUTLETS AND SERVICE RECEPTACLES FOR SHELF MOUNTED TV OR AS SHOWN ON A/V PLANS)                             |
| CENTERED ABOVE DOOR OR WINDOW OPENING | -WARNING OR SIGNALING FIXTURES/SIGNS  |
| 6'-8"                                 | -FIRE ALARM STROBES MOUNTED AT 6'-8" OR 6" BELOW FINISHED CEILING (WHICH EVER IS LOWER)   |
| 6'-6"                                 | -TOP OF FLUSH AND SURFACE MOUNTED ELECTRICAL LIGHTING OR POWER PANELBOARDS AND TELEPHONE CABINETS   |
| 6'-3"                                 | -TOP OF BACK MOUNTED WALL EXIT FIXTURES (NOT MOUNTED ABOVE DOORS)   |
| 6'-0"                                 | -TOP OF HIGHEST ELECTRICAL SAFETY DISCONNECT SWITCHES, MAGNETIC STARTERS AND CONTACTORS.  |
| 4'-6"                                 | -WALL MOUNTED TELEPHONE AND PAY STATIONS (3'-6" AT HANDICAP LOCATIONS)  |
| 4'-0"                                 | -WALL MOUNTED ELECTRICAL DEVICE LIGHTING SWITCHES, MANUALS MOTOR STARTERS, THERMOSTATS AND FIRE ALARM PULL STATIONS.<br>-INCLUDES ALL FLOOR EQUIPMENT IN LABS AND EQUIPMENT ROOMS.<br>- GFI OUTLETS IN TOILET ROOMS |
| 1'-6"                                 | -ELECTRICAL RECEPTACLES WITHIN MECHANICAL SPACES, ELECTRICAL ELEVATOR ROOMS.<br>-ELECTRICAL RECEPTACLES<br>-TELEPHONE, DATA AND COMMUNICATIONS OUTLETS<br>-CATV AND A/V JUNCTION BOXES                              |

## NOTES:

- MOUNTING HEIGHTS TO CENTER OF OUTLETS UNLESS OTHERWISE NOTED. IN MASONRY CONSTRUCTION, THE ABOVE HEIGHTS SHALL BE USED FOR REFERENCE TO NEAREST BLOCK OR BRICK COURSING.
- THE ABOVE MOUNTING HEIGHTS SHALL BE ADHERED TO UNLESS SPECIFICALLY NOTED OR DETAILED OTHERWISE ON THE DRAWINGS OR SPECIFICATIONS.
- IF THERE IS AN ASTERISK BESIDE A DEVICE IT INDICATES THAT THE DEVICE IS MOUNTED ABOVE COUNTER OR CASEWORK. COORDINATE WITH ARCHITECTURAL DETAILS AND CASEWORK CONTRACTOR.

## CLAYTON PARK

CONCORD TOWNSHIP PA



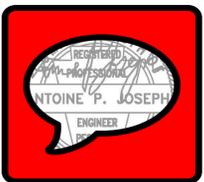
OWNER  
DELAWARE COUNTY DEPARTMENT  
OF PUBLIC WORKS  
201 West Front Street, Suite 207, Media,  
PA 19063

MDESIGNS + MWJ CONSULTING, LLC  
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SEAL:



2024

Mark Revisions Date  
ALL DIMENSIONS AND RELATIONSHIPS MUST BE VERIFIED BY CONTRACTOR. THE ARCHITECT IS TO BE NOTIFIED OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE CONSTRUCTION. DO NOT SCALE FROM DRAWINGS.

|            |                |
|------------|----------------|
| PROJECT #  | Project Number |
| DRAWN BY   | JW             |
| CHECKED BY | JW             |
| DATE       | 05/13/24       |

## BID SET

ELECTRICAL SYMBOLS AND ABBREVIATIONS

DRAWING TITLE

E000



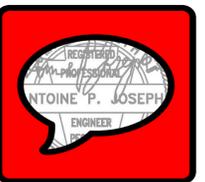
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**BID SET**

ELECTRICAL DEMOLITION PLAN

DRAWING TITLE

**E100**

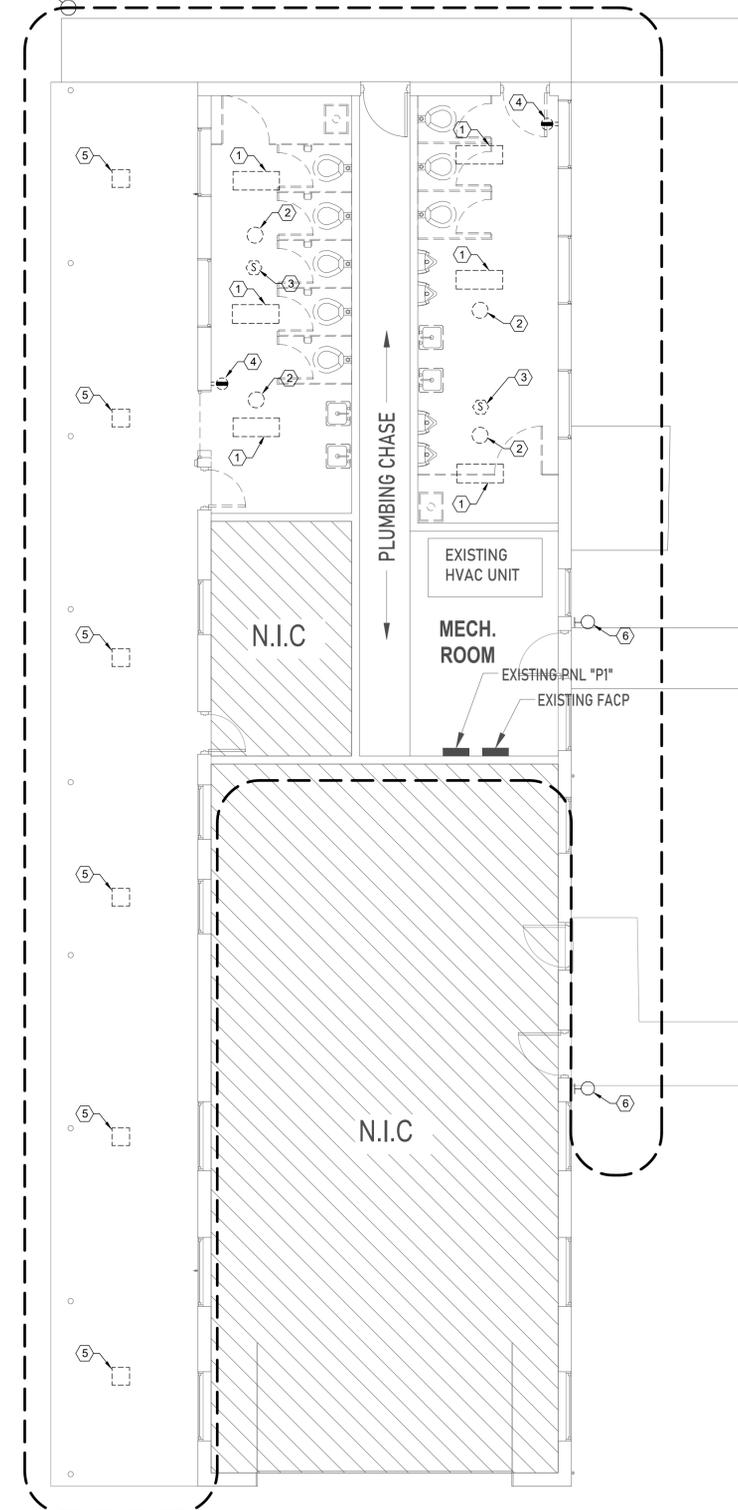
**DEMOLITION NOTES**

- 1 DEMOLISH AND PROPERLY DISPOSE OF EXISTING LIGHT FIXTURE AND ASSOCIATED WIRING, CONDUIT AND CONTROL DEVICES BACK TO SOURCE.
- 2 CAREFULLY DEMOLISH AND PROPERLY DISPOSE OF EXISTING MECHANICAL DIFFUSERS.
- 3 CAREFULLY DEMOLISH AND PROPERLY DISPOSE OF EXISTING FIRE ALARM DEVICES AND WIRING BACK TO SOURCE
- 4 CAREFULLY DEMOLISH AND PROPERLY DISPOSE OF EXISTING RECEPTACLES AND ASSOCIATED WIRING, CONDUIT BACK TO SOURCE.
- 5 REPLACE EXISTING CEILING MOUNTED LIGHTING FIXTURES W/ LED TYPE, SIZE TO MATCH EXISTING REUSE EXISTING WIRING, CONDUIT AND CONTROL DEVICES
- 6 REPLACE EXISTING WALL MOUNTED LIGHTING FIXTURES W/ LED TYPE, TO MATCH EXISTING REUSE EXISTING WIRING, CONDUIT AND CONTROL DEVICES FIXTURE TO BE CHOSEN BY ARCHITECT

**DEMOLITION NOTES**

1. DEMOLISH AND PROPERLY DISPOSE OF EXISTING LIGHT FIXTURE AND ASSOCIATED WIRING, CONDUIT AND CONTROL DEVICES BACK TO SOURCE.

AREA OF NEW WORK



1 MENS - WOMENS RM ELECTRICAL DEMO PLAN  
 E100 Scale: 3/16" = 1'-0"



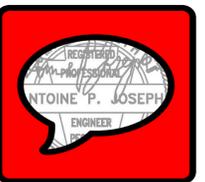
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11-2024

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|------|-----------|------|
|      |           |      |

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**BID SET**

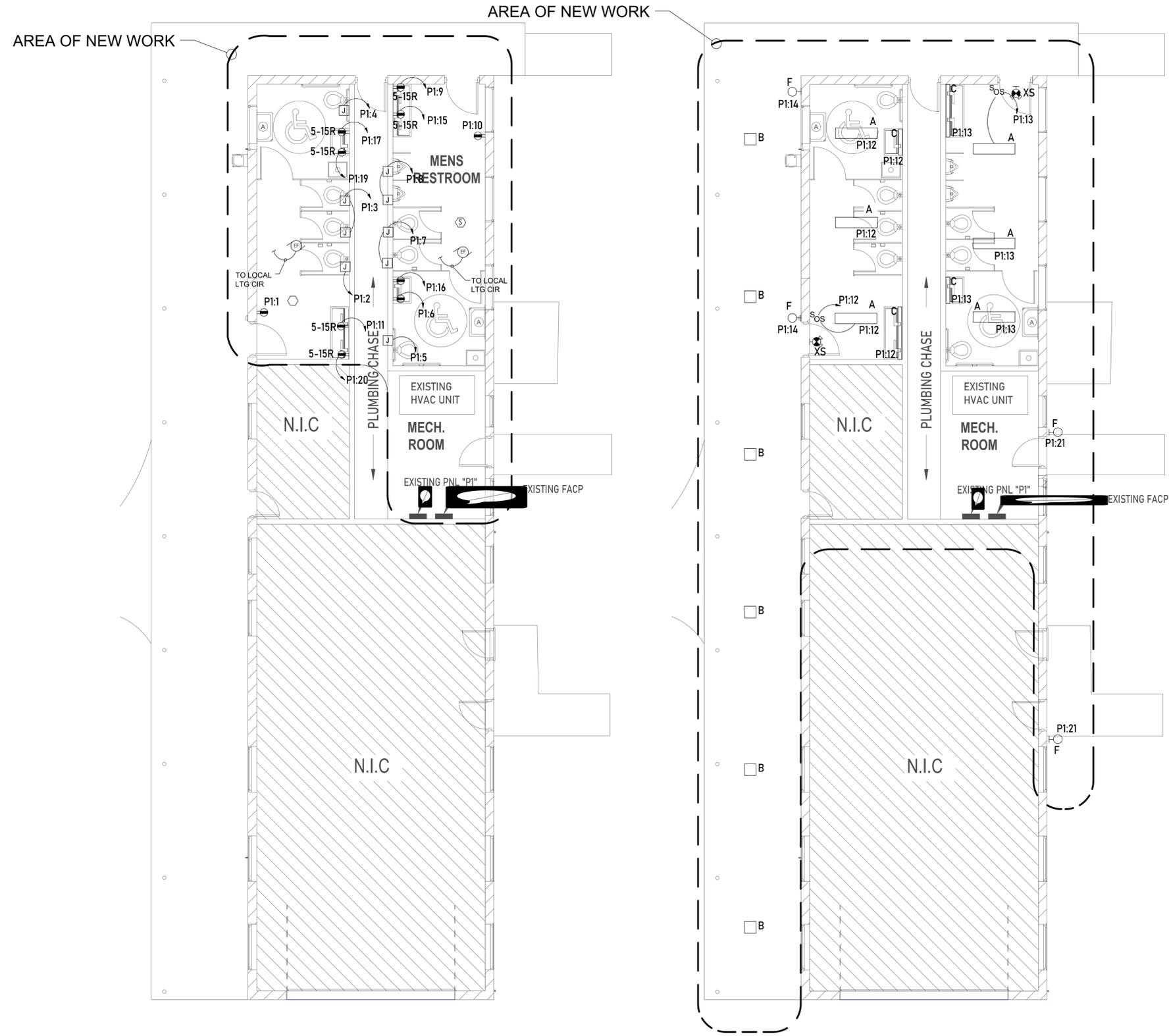
ELECTRICAL POWER AND LIGHTING PLANS

DRAWING TITLE

| LIGHTING FIXTURE SCHEDULE |                          |           |       |       |           |       |   |
|---------------------------|--------------------------|-----------|-------|-------|-----------|-------|---|
| FIXTURE TYPE              | MANUFACTURER             | CATALOG # | WATTS | LAMPS | LAMP TYPE | VOLTS | DESCRIPTION   |
| A                         | BASIS OF DESIGN LITHONIA | TBD       | 46.2  | 1     | LED       | 120   | 1X4 LAY-IN CEILING FIXTURE B.O.D                        |
| B                         | BASIS OF DESIGN LITHONIA | TBD       | 28    | 1     | LED       | 120   | CEILING MTD LED FIXTURE TO MATCH EXISTING SIZE OPENINGS |
| C                         | BASIS OF DESIGN LITHONIA | TBD       | 9.8   | 1     | LED       | 120   | 24" WALL MTD LED VANITY FIXTURE                         |
| F                         | BASIS OF DESIGN LITHONIA | TBD       | 15    | 1     | LED       | 120   | WALL MTD LED FIXTURE                                    |
| XS                        | BASIS OF DESIGN LITHONIA | TBD       | 2     | 1     | LED       | 120   | WALL MTD LED FIXTURE                                    |

**ELECTRICAL NOTES**

- ALL NEW FIRE ALARM DEVICES SHALL BE INSTALLED AS SHOWN ON FLOOR PLAN USING EXISTING WIRING BACK TO SOURCE.



**1** PROPOSED ELECTRICAL POWER PLAN  
 Scale: 3/16" = 1'-0"

**2** PROPOSED ELECTRICAL LIGHTING PLAN  
 Scale: 3/16" = 1'-0"

