#### ADDENDUM # 3



DATE: July 18, 2022

PROJECT: **RCPS** Career and Technical Education Center

TO: **Prospective Bidders** 

This addendum forms a part of the Contract Documents and modifies the original Bidding Documents dated June 17, 2022 as noted below. Acknowledge receipt of this addendum in the space on the Bid Proposal. Failure to do so may subject bidder to disqualification.

#### **GENERAL:**

- 1. Specification sections 221113 and 221313 were inadvertently located in Division 2 EXISTING CONDITIONS and between sections of Division 28 ELECTRONIC SAFETY & SECURITY and Division 31 – EARTH WORK of the Project Manual. The correct location for these sections is Division 22 – PLUMBING.
- 2. See attached Appendix A Revised/Added Project Drawings and Specifications
- 3. See attached Appendix B Hazardous Material Reports
- 4. See attached Appendix C Site Storage Building Construction Documents for requirements associated with constructing foundation and slabs for site storage buildings as outlined in civil drawings.

#### **PROJECT MANUAL:**

#### **PROJECT MANUAL – TABLE OF CONTENTS**

ADD:

- 1) Specification Section 099114 Exterior Painting 2) Specification Section 099124 Interior Painting 3) Specification Section 101400 Signage 4) Specification Section 102800 5) Specification Section 323113 6) Specification Section 323223
- 7) Specification Section

#### OMIT:

- 1) Specification Section
- 2) Specification Section
- 3) Specification Section

- Toilet, Bath and Laundry Accessories
- Chain Link Fences and Gates
- Segmental Retaining Walls
- Turf and Grasses 329200
- 123616 Metal Countertops
- 271500 Horizontal Cabling
- Security Pathways 280528

#### **REVISE:**

 Specification Section "280544 Sleeves and Sleeve Seals for Communication Pathways and Cabling" to read "270544 Sleeves and Sleeve Seals for Communication Pathways and Cabling

## PROJECT MANUAL, SPECIFICATION SECTION 005000 – CONTRACTING FORMS AND SUPPLEMENTS:

OMIT:

1) Part 1 General; Section 2.03; paragraph A.

#### **PROJECT MANUAL, SPECIFICATION SECTION 007200 GENERAL CONDITIONS:**

#### **REVISE:**

1) Part 1 General; Section 1.2; paragraph A as follows:

The General Conditions applicable to this contract are included by reference as if bound herein: AIA Document A201-2017, General Conditions of the Contract for Construction.

#### **PROJECT MANUAL, SPECIFICATION SECTION 007300 SUPPLEMENTARY CONDITIONS:**

#### OMIT:

1) Part 1 General; Section 3.06; paragraph A.

#### **PROJECT MANUAL, SPECIFICATION SECTION 011000 – SUMMARY:**

OMIT:

- 1) Part 1 General; Section 1.04; paragraph A.
- 2) Part 1 General; Section 1.04; paragraph D.
- 3) Part 1 General; Section 1.04; paragraph E.
- 4) Part 1 General; Section 1.04; paragraph Items 2 and 3.

#### **REVISE:**

- 1) Part 1 General; Section 1.04; paragraph 1 as follows:
  - E. Owner will supply the following for installation by Contractor:
    - 1. All toilet accessories including mirrors and soap dispensers.

#### OMIT:

- 1) Part 1 General; Section 1.04; paragraph 2, item B, Number 5.
- 2) Part 1 General; Section 1.04; paragraph 3, Item D.

#### **PROJECT MANUAL, SPECIFICATION SECTION 012100 – ALLOWANCES**

#### OMIT:

- 1) Part 1 General; Section 1.01; paragraph A.
- 2) Part 1 General; Section 1.03 Cash Allowances

#### **REVISE:**

- 1) Part 1 General; Section 1.05 as follows
  - 1.01 ALLOWANCES SCHEDULE
    - A. Contingency Allowance: Include the stipulated sum of \$3,000,000 for use upon Owner's instructions.
    - B. Western Virginia Water Authority: No fee.
    - C. VSMP Fee: Include the stipulated sum of \$ 500.00.
    - D. Erosion and Sediment Control Agreement: Include the stipulated sum of \$150.00
    - E. Erosion and Sediment Control Surety: Include the calculated sum to provide a surety based on a principal amount of \$102,250.00 (includes new stormwater pipes and quantity quality measures).
      - a. Principal amount is subject to adjustment, pending review by City of Roanoke.
    - F. Storm Water Pollution Prevention Plan: No cost.

#### **PROJECT MANUAL, SPECIFICATION SECTION 012200– UNIT PRICES**

#### OMIT:

- 1) Part 1 General; Section 6; paragraph D.
- 2) Part 1 General; Section 6; paragraph E.
- 3) Part 1 General; Section 6; paragraph F.

#### **PROJECT MANUAL, SPECIFICATION SECTION 012300 – ALTERNATES**

#### **OMIT** specification section.

#### PROJECT MANUAL, SPECIFICATION SECTION 014000- QUALITY REQUIREMENTS

#### OMIT:

1) Part 1 General; Section 1.05; paragraph C; ITEMS 5, 6 and 7.

## PROJECT MANUAL, SPECIFICATION SECTION 014533 – CODE-REQUIRED SPECIAL INSPECTIONS AND PROCEDURES

#### **REVISE:**

1) Part 1 General; Section 1.05; paragraph A as follows:

A. Code or Building Code: ICC (IBC), International Building Code, 2015 Edition Adopted by Authority Having Jurisdiction, Including All Applicable Amendments and Supplements and specifically, Chapter 17 - Special Inspections and Tests.

OMIT:

1) Part 3 Execution; Section 3.08.

## PROJECT MANUAL, SPECIFICATION SECTION 015000 – TEMPORARY FACILITIES AND CONTROLS

OMIT:

2) Part 1 General; Section 1.04; paragraph D and E.

OMIT:

1) Part 1 General; Section 1.06 – Fencing.

**REVISE:** 

- 1) Part 1 General; Section 1.12; paragraph A as follows:
  - 1.12 PROJECT IDENTIFICATION
    - A. Provide project identification sign of size, design and construction and location as approved by Owner.
    - B. No other signs are allowed without Owner permission except those required by law.

## PROJECT MANUAL, SPECIFICATION SECTION 017000 – EXECUTION AND CLOSEOUT REQUIREMENTS

OMIT:

1) Part 3 Execution; Section 3.06; paragraph G, Item 4.

#### **PROJECT MANUAL, SPECIFICATION SECTION 002419 – SELECTIVE DEMOLITION**

#### **REVISE:**

1) Part 1 General; Section 1.5; paragraph B; delete the following sentence:

"Comply with Section 013233 "Photographic Documentation."

#### **REVISE:**

1) Part 3 Execution; Section 3.5; paragraph A; Item 10; delete the following sentence:

"Comply with requirements in Section 017419 "Construction Waste Management and Disposal.""

#### **REVISE:**

1) Part 3 Execution; Section 3.7; paragraph A; delete the following sentence:

"[and recycle or dispose of them according to Section 017419 "Construction Waste Management and Disposal."]

#### OMIT:

1) Part 3 Execution; Section 3.7; paragraph A; Item 4.

#### PROJECT MANUAL, SPECIFICATION SECTION 033000 – CAST-IN-PLACE CONCRETE REVISE: Part 3 Execution, Section 3.7; paragraph C; item 5; sub-item a; 1) as follows:

1) Specified overall values of flatness,  $F_F$  45; and of levelness,  $F_L$  35; with minimum local values of flatness,  $F_F$  30; and of levelness,  $F_L$  24.

#### ADD: to Part 2 Products:

#### 2.4 VAPOR RETARDERS

- A. Sheet Vapor Retarder, Class A: ASTM E1745, Class A not less than 10 mils (0.25 mm) thick. Include manufacturer's recommended adhesive or pressure-sensitive tape. Install vapor barrier beneath new concrete slab at all locations within buildings where existing concrete slab and floor finish are removed exposing gravel base. Do not install vapor barrier over existing concrete sub-slab remaining after removal of wood flooring within existing gymnasium.
  - a. <u>Manufacturers:</u> Subject to compliance with requirements, provide products by one of the following or equal:

Poly-America, L.P. Stego Industries, LLC. W. R. Meadows, Inc.

#### **PROJECT MANUAL, SPECIFICATION SECTION 042000 – UNIT MASONRY**

#### ADD: Following to Part 2 Products; Section 2.9:

- D. Metal Drip Edge: Provide continuous drip edge complying with SMACNA's "Architectural Sheet Metal Manual" and as follows:
  - 1. Fabricate metal drip edges from stainless steel. Extend at least 3 inches (76 mm) into wall and 1/2 inch (13 mm) out from wall, with outer edge bent down 30 degrees and hemmed. Install at all steel lintels in new exterior masonry wall openings. Lap through wall membrane flashing over metal drip. Embed drip edge into mortar joint at sides of opening.

#### PROJECT MANUAL, SPECIFICATION SECTION 053100 – STEEL DECKING

#### **REVISE:** Part 2 Products, Section 2.2; paragraph A; items 3 through 6 as follows:

- 3. Galvanized- and Shop-Primed Steel Sheet: ASTM A653/A653M, Structural Steel (SS)
- 4. Deck Profile: To match existing.
- 5. Profile Depth: To match existing

6. Design Uncoated-Steel Thickness: As indicated on drawings

#### PROJECT MANUAL, SPECIFICATION SECTION 061000 – ROUGH CARPENTRY REVISE: Part 2 PRODUCTS, Section 2.4; paragraph A as follows:

A. Equipment Backing Panels: Plywood, DOC PS 1 fire-retardant treated, in thickness indicated or, if not indicated, not less than 3/4-inch (19-mm)] nominal thickness.

#### PROJECT MANUAL, SPECIFICATION SECTION 072100 – THERMAL INSULATION REVISE: Part 2 PRODUCTS, Section 2.1; paragraph D as follows:

D. Thermal-Resistance Value (R-Value): R-value as indicated below in accordance with ASTM C518.

#### **REVISE:** Part 2 PRODUCTS, Section 2.2; paragraph A, item 1. as follows:

1. Extruded Polystyrene Board Insulation, Type VI: ASTM C578, Type VI, 40-psi (276-kPa) minimum compressive strength.

#### PROJECT MANUAL, SPECIFICATION SECTION 072500 – ROOF SPECIALTIES REVISE: Part 2 PRODUCTS, Section 2.3; paragraph B; item 1. as follows:

1. Aluminum Sheet: 0.050 inch (1.27 mm) thick.

#### **REVISE:** Part 2 PRODUCTS, Section 2.3; paragraph C; item 1. as follows:

1. Formed Aluminum: 0.050 inch (1.27 mm) thick.

#### PROJECT MANUAL, SPECIFICATION SECTION 079200 – JOINT SEALANTS OMIT: Part 2 PRODUCTS; Section 2.3.

#### OMIT: Part 2 PRODUCTS; Section 2.4; paragraphs B, D and E.

## PROJECT MANUAL, SPECIFICATION SECTION 081113 – HOLLOW METAL DOORS AND FRAMES

#### ADD: to 1.1 SUMMARY; paragraph A:

1) Interior standard steel doors and frames.

## ADD: to PART 2 – PRODUCTS; 2.3 INTERIOR STANDARD STEEL DOORS AND FRAMES:

C. Construct hollow-metal doors to comply with standards indicated for materials, fabrication, hardware locations, hardware reinforcement, tolerances, and clearances, and as specified. All astragals shall be removable.

- 1. Standard-Duty Doors and Frames: ANSI/SDI A250.8, Level 1; ANSI/SDI A250.4, Level C.
  - a. Type: As indicated in the Door and Frame Schedule.
  - b. Thickness: 1-3/4 inches
  - c. Face: Uncoated steel sheet, minimum thickness of 0.032 inch.
  - d. Edge Construction: Model 2, Seamless.
  - e. Edge Bevel: Provide manufacturer's standard beveled or square edges.
  - f. Core: Manufacturer's standard
  - g. Fire-Rated Core: Manufacturer's standard core for fire-rated.
  - h. Glazed Lights: Non-removable stops on non-secure side; sizes and configurations as indicated on drawings. Style: Security.
- 2. Exposed Finish: Prime.

#### **REVISE:** Part 2 PRODUCTS; Section 2.4; paragraph A; as follows:

A. Construct hollow-metal doors and frames to comply with standards indicated for materials, fabrication, hardware locations, hardware reinforcement, tolerances, and clearances, and as specified. All astragals shall be removable.

#### **PROJECT MANUAL, SPECIFICATION SECTION 081416 – FLUSH WOOD DOORS**

**OMIT:** Part 2 PRODUCTS; Section 2.2.

- **OMIT:** Part 2 PRODUCTS; Section 2.4; paragraph A; item 7.
- **OMIT:** Part 2 PRODUCTS; Section 2.5; paragraph B.
- **OMIT:** Part 3 EXECUTION; Section 3.3; paragraph C.

#### **PROJECT MANUAL, SPECIFICATION SECTION 088000 – GLAZING**

**ADD:** to PART 2 – PRODUCTS; Section 2.4; paragraph C; the following:

- 4. Type GL-6 Single Casework Shelving and Door Panels:
  - a. Application: Vestibule showcase casework glazing.
  - b. Type: Fully tempered float glass.
  - c. Thickness: 1/4 inch at operable door panels; 3/8 inch minimum at shelving

#### PROJECT MANUAL, SPECIFICATION SECTION 093013 – CERAMIC TILING REVISE: Part 2 PRODUCTS, Section 2.5; paragraph A as follows:

1. Apply to face of existing masonry walls with residual thin-set mortar or adhesive.

#### **PROJECT MANUAL, SPECIFICATION SECTION 099114 – EXTERIOR PAINTING**

ADD: Specification Section 099114 included with this Addendum.

#### **PROJECT MANUAL, SPECIFICATION SECTION 099124 – INTERIOR PAINTING**

**ADD:** Specification Section 099124 included with this Addendum.

#### **PROJECT MANUAL, SPECIFICATION SECTION 101400 – SIGNAGE**

**ADD:** Specification Section 101400 included with this Addendum.

### PROJECT MANUAL, SPECIFICATION SECTION 102800 – TOILET, BATH AND LAUNDRY ACCESSORIES

ADD: Specification Section 102800 included with this Addendum.

#### **PROJECT MANUAL, SPECIFICATION SECTION 104416 – FIRE EXTINGUISHERS**

**OMIT**: Part 2 – PRODUCTS, Section 2.2. EQUIPMENT

ADD: IN SECTION 1.1; D. Related Requirements the following:

1. SECTION 104413 - FIRE PROTECTION CABINETS

#### **PROJECT MANUAL, SPECIFICATION SECTION 105113 – METAL LOCKERS**

**ADD:** to PART 2 – PRODUCTS; Section 2.4; paragraph C; the following:

- B. Manufacturers and Types:
  - 1. Manufacturers:
    - a. Provide products by one of the following or equal: Art Metal Products. LockersMFG. Penco Products, Inc.
  - 2. Locker Type:
    - a. 15 inch wide Double Tiered metal locker unless otherwise indicated in drawings.

#### PROJECT MANUAL, SPECIFICATION SECTION 122413 – ROLLER WINDOW SHADES OMIT:

1) Part 2 – PRODUCTS; paragraph 2.2; sub-paragraph G; Item "2. Recessed Shade Pocket" and Item "3. Closure Panel and Wall Clip"

## PROJECT MANUAL, SPECIFICATION SECTION 211313– WET PIPE SPRINKLER SYSTEMS, FIRE PROTECTION

#### OMIT: 2. Sprinkler System Installer

a. The sprinkler system installation must be regularly engaged in the installation of the type and complexity of system specified in the contract documents, and must be certified as a Level II Technician by National Institute for Certification in Engineering Technologies (NICET) in the Water-Based Systems Layout subfield of Fire Protection Engineering Technology in accordance with NICET 1014-7.

## REPLACE WITH: 2. Sprinkler System Installer a. The sprinkler system installation must be regularly engaged in the installation of the type and complexity of system specified in the contract documents.

#### **PROJECT MANUAL, SPECIFICATION SECTION 230713 – DUCT INSULATION**

OMIT: Part 3 – EXECUTION; Paragraph 3.12; Items C and D

#### **PROJECT MANUAL, SPECIFICATION SECTION 230800 – COMMISSIONING OF HVAC**

**OMIT:** All references to "Section 019113 – General Commissioning Requirements"

#### **PROJECT MANUAL, SPECIFICATION SECTION 233113 – METAL DUCTS**

**ADD:** Part 3 – EXECUTION; paragraph 3.11.B.2 as follows:

THE VAV DUCTWORK BETWEEN THE ROOFTOP UNIT AND THE VAV BOXES, THE WELDING EXHAUST SYSTEM, DUST COLLECTION SYSTEM, VEHICLE EXHAUST SYSTEM AND KITCHEN HOOD EXHAUST SYSTEMS SHALL BE LEAK TESTED IN ACCORDANCE WITH SMACNA'S "AIR DUCT LEAKAGE TEST MANUAL". REPRESENTATIVE SECTIONS TOTALING NOT LESS THAT 25 PRECENT OF THE TOTAL INSTALLED DUCT AREA SHALL BE TESTED.

#### PROJECT MANUAL, SPECIFICATION SECTION 323113 – CHAIN LINK FENCES AND GATES ADD Specification Section 323113 included with this Addendum.

PROJECT MANUAL, SPECIFICATION SECTION 323223 – SEGMENTAL RETAINING WALLS ADD Specification Section 323223 included with this Addendum.

PROJECT MANUAL, SPECIFICATION SECTION 329200 – TURF AND GRASSES ADD Specification Section 329200 included with this Addendum.

#### **PROJECT MANUAL:**

ADD: "Appendix B - Hazardous Material Survey Reports (March 2022 and May 2022) included in this addendum.

#### **PROJECT MANUAL:**

Add: "Appendix C – Site Storage Building Construction Documents" for requirements associated with constructing foundation and slabs for site storage buildings as outlined in civil drawings.

#### **PROJECT DRAWINGS**

#### **REPLACE:**

- i. Replace following drawings with the revised drawings noted in Revision table as "Revision 1, 7/18/22, Addendum 3" included in Appendix A within this Addendum:
  - G1
  - G2

C04 C05 C06 C08 C09

- C10
- C11 C13
- C14
- C25
- C26
- S1.0
- S1.1
- S1.2
- S1.3
- S1.4
- S1.5
- S1.6 S2.1
- A1.1
- A1.101 A1.102 A1.103 A1.104 A1.105 A1.106 A1.107
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M4.2

P0.1 P2.1 P2.2 P2.3 P2.4 P2.5 P2.6 P2.7 P3.2 P3.3 P3.4 P3.5 P3.6 P3.7 P4.1 E001 E200 E201 E202 E203 E204 E301 E302 E303 E304 E305 E401 E402 E403 E404 E501 E502 E503 E504 E505 E506 E507 E508 G-001 G-101 G-102 FA002 FA101.4 FA101.5 FA101.7 FA102 FA102.1 FA102.4 FA102 FA103 FA301 FX301 FX101 FX101 FX102 FX201

ADD:

Add the following drawings included in Appendix A within this
 Addendum noted in Revision table as "Revision 1, 7/18/22, Addendum 3":

A1.109 A1.207 A4.5 A8.2 E-306 E-307

#### **APPENDIX A – REVISED/ADDED PROJECT DRAWINGS AND SPECIFICATIONS**

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CRULLES, RECISTERS AND DIFFUSERS SCHEDULE         ARK       MAUFACTURER & MODEL NO.       DESCRIPTION       MATERIAL FINISH       ACCESSORIES & FEATURES         DP1       METALAIRE 5700-6       24*/24* CELING DEFUSER WITH 6'# NECK FOR LAT-IN CELING       STEL       WHITE       MODEL BOS DAMPER         0-2       METALAIRE 5700-6       24*/24* CELING DEFUSER WITH 6'# NECK FOR LAT-IN CELING       STEL       WHITE       MODEL BOS DAMPER         0-3       METALAIRE 5700-6       24*/24* CELING DEFUSER WITH 6'# NECK FOR LAT-IN CELING       STEL       WHITE       MODEL BOS DAMPER         0-3       METALAIRE 5700-6       24*/24* CELING DEFUSER WITH 0'# NECK FOR LAT-IN CELING       STEL       WHITE       MODEL BOS DAMPER         0-4       METALAIRE 5700-6       24*/24* CELING DEFUSER       STEL       WHITE       MODEL BOS DAMPER         0-4       METALAIRE 5700-6       24*/24* CELING GRIEL SUPLY REGISTER       STEL       WHITE       MODEL BOS DAMPER       STEL       WHITE       MODEL BOS DAM	VENTS, B DUCT DU MODEL N EQUALS WEI	bin base with ict system a iumbers are shall be ac LDING	I QUICK RÉLEASE S INDICATED. USED TO ESTABLI CEPTED DUST C RE TG12, 7840 CF	LEVEL AND N SH PERFORM OLLEC M, 20 HP, 44	NON RE ANCE I TO 60/3¢,	etürn valve requirement R R	e, easy ts. 													
MARK     MANUFACTURER & MODEL NO.     DESCRIPTION     MATERIAL     FINISH     ACCESSORIES & FEATURES       UPPLY DIFFUSERS     3     METALARE 5700-6     24*X24* CELING DIFFUSER WITH 6*9 NECK FOR LAY-IN CELING     STEEL     WHTE     MODEL BOS DAMPER       20-2     METALARE 5700-6     24*X24* CELING DIFFUSER WITH 6*9 NECK FOR LAY-IN CELING     STEEL     WHTE     MODEL BOS DAMPER       20-3     METALARE 5700-6     24*X24* CELING DIFFUSER FOR SURFACE WONTING     STEEL     WHTE     MODEL DOS DAMPER       20-4     METALARE 5000-1     9*39* DRECTOWL DIFFUSER FOR SURFACE WONTING     STEEL     WHTE     MODEL DO DAMPER       20-4     METALARE 5000-1     9*39* DRECTOWL DIFFUSER FOR SURFACE WONTING     STEEL     WHTE     MODEL DO DAMPER       20-4     METALARE 6075-12-1     UNEAR SLOT DIFFUSER, 3'-0" LONG, 1 SLOT 9 3/4* WDE EACH, 10*9     ALUMINUM     WHITE     INSULATED BOOT PLENUM       20-2     METALARE 6075-12-1     UNEAR SLOT DIFFUSER, 6'-0" LONG, 2 SLOTS 9 3/4* WDE EACH, 10*9     ALUMINUM     WHITE     INSULATED BOOT PLENUM       20-2     METALARE 40004-1     6*X4* SIDEWALL SUPPLY REGISTER     STEEL     WHITE     MODEL OBD DAMPER       21-2     METALARE V4004-1     10*X6* SIDEWALL SUPPLY REGISTER     STEEL     WHITE     MODEL OBD DAMPER       21-2     METALARE V4004-1     10*X6* SIDEWALL SUPPLY REGISTER		SHALL BE AC	CEPTED					 SCH												
DD-1       METALARE 5700-6       24*X24* CELING DIFFUSER WITH 6* NECK FOR LAY-IN CELING       STEEL       WHTE       MODEL BOS DAMPER         CD-2       METALARE 5700-6       24*X24* CELING DIFFUSER WITH 6* NECK FOR LAY-IN CELING       STEEL       WHTE       MODEL BOS DAMPER         CD-3       METALARE 5700-6       24*X24* CELING DIFFUSER WITH 10* NECK FOR LAY-IN CELING       STEEL       WHTE       MODEL BOS DAMPER         CD-4       METALARE 5000-1       9*X9* DIRECTIONAL DIFFUSER, FOR SURFACE MOUNTING       STEEL       WHTE       MODEL DS DAMPER         SD-1       METALARE 5000-1       9*X9* DIRECTIONAL DIFFUSER, 3'-0" LONG, 1 SLOT • 3/4* WIDE EACH, 6*8       ALUMINUM       WHTE       INSULATED BOOT PLENUM         SD-2       METALARE 6675-12-1       UNEAR SLOT DIFFUSER, 6'-0" LONG, 2 SLOTS • 3/4* WIDE EACH, 6*8       ALUMINUM       WHTE       INSULATED BOOT PLENUM         SD-2       METALARE 74004-1       10*X6* SIDEWALL SUPPLY REGISTER       STEEL       WHTE       INSULATED BOOT PLENUM         RILES & REGISTERS       STEEL       WHTE       MODEL 06D DAMPER       STEEL       WHTE       MODEL 06D DAMPER         RF-2       METALARE V4004-1       10*X6* SIDEWALL SUPPLY REGISTER       STEEL       WHTE       MODEL 06D DAMPER         RF-3       METALARE V4004-1       10*X6* SIDEWALL SUPPLY REGISTER       STEEL       <		-		1						JLL	MATERIA	. FINISH	ACCESSORI	es & featu	RES					
D-2       METALARE 5700-6       24*X24* CELING DIFUSER WITH 8*9 NECK FOR LAY-IN CELING       STEEL       WHTE       MODEL BOS DAMPER         D-3       METALARE 5700-6       24*X24* CELING DIFUSER WITH 10*9 NECK FOR LAY-IN CELING       STEEL       WHTE       MODEL BOS DAMPER         D-4       METALARE 5000-1       9*X9* DRECTIONAL DIFUSER FOR SURFACE MOUNTING       STEEL       WHTE       MODEL BOS DAMPER         SD-1       METALARE 6675-12-1       LINEAR SLOT DIFFUSER, 3'-0* LONG, 1 SLOT Ø 3/4* WDE EACH, 6*9       ALUMINUM       WHTE       INSULATED BOOT PLENUM         SD-2       METALARE 6675-12-1       LINEAR SLOT DIFFUSER, 6'-0* LONG, 2 SLOTS Ø 3/4* WDE EACH, 10*ø       ALUMINUM       WHTE       INSULATED BOOT PLENUM         R1LES & REGISTERS       INFEALARE V4004-1       6*X4* SIDEWALL SUPPLY REGISTER       STEEL       WHTE       MODEL OBD DAMPER         R1-2       METALARE V4004-1       10*X6* SIDEWALL SUPPLY REGISTER       STEEL       WHTE       MODEL OBD DAMPER         R-3       METALARE V4004-1       10*X6* SIDEWALL SUPPLY REGISTER       STEEL       WHTE       MODEL OBD DAMPER         R-4       METALARE V4004-1       10*X6* SIDEWALL SUPPLY REGISTER       STEEL       WHTE       MODEL OBD DAMPER         R-5       METALARE V4004-1       10*X6* SIDEWALL SUPPLY REGISTER       STEEL       WHTE       MODEL OBD		DIFFUSERS		I							I									
D-3       METALARE 5700-6       24*24* CELING DIFFUSER WITH 10* NECK FOR LAY-N CELING       STEEL       WHTE       MODEL BDS DAMPER         D-4       METALARE 6075-12-1       LINEAR SLOT DIFFUSER, 3'-0' LONG, 1 SLOT © 3/4" WIDE EACH, 6*9       ALUMINUM       WHTE       INSULATED BOOT PLENUM         SD-2       METALARE 6675-12-1       LINEAR SLOT DIFFUSER, 6'-0' LONG, 2 SLOTS © 3/4" WIDE EACH, 6*9       ALUMINUM       WHTE       INSULATED BOOT PLENUM         SD-2       METALARE 6675-12-1       LINEAR SLOT DIFFUSER, 6'-0' LONG, 2 SLOTS © 3/4" WIDE EACH, 6*9       ALUMINUM       WHTE       INSULATED BOOT PLENUM         STEEL       METALARE 4675-12-1       LINEAR SLOT DIFFUSER, 6'-0' LONG, 2 SLOTS © 3/4" WIDE EACH, 10*       ALUMINUM       WHTE       INSULATED BOOT PLENUM         R1LES & REGISTERS       T       T       6*X4* SIDEWALL SUPPLY REGISTER       STEEL       WHTE       MODEL OBD DAMPER         R-2       METALARE V4004-1       10*X6* SIDEWALL SUPPLY REGISTER       STEEL       WHTE       MODEL OBD DAMPER         R-3       METALARE V4004-1       10*X6* SIDEWALL SUPPLY REGISTER       STEEL       WHTE       MODEL OBD DAMPER         R-4       METALARE V4004-1       10*X6* SIDEWALL SUPPLY REGISTER       STEEL       WHTE       MODEL OBD DAMPER         R-5       METALARE V4004-1       10*X6* SIDEWALL SUPPLY REGISTER																				
D-4       METALAIRE 5000-1       9*X9* DIRECTIONAL DIFFUSER FOR SURFACE MOUNTING       STEEL       WHTE       MODEL D5 DAMPER         5D-1       METALAIRE 6675-12-1       LINEAR SLOT DIFFUSER, 3'-0' LONG, 1 SLOT 0 3/4" WIDE EACH, 6*0       ALUMINUM       WHTE       INSULATED BOOT PLENUM         0-2       METALAIRE 6675-12-1       LINEAR SLOT DIFFUSER, 6'-0' LONG, 2 SLOTS 0 3/4" WIDE EACH, 10*0       ALUMINUM       WHTE       INSULATED BOOT PLENUM         0-2       METALAIRE 6675-12-1       LINEAR SLOT DIFFUSER, 6'-0' LONG, 2 SLOTS 0 3/4" WIDE EACH, 10*0       ALUMINUM       WHTE       INSULATED BOOT PLENUM         0-2       METALAIRE 6675-12-1       LINEAR SLOT DIFFUSER, 6'-0' LONG, 2 SLOTS 0 3/4" WIDE EACH, 10*0       ALUMINUM       WHTE       INSULATED BOOT PLENUM         RLLES & REGISTERS       STEEL       WHTE       MODEL OBD DAMPER       STEEL       WHTE       MODEL OBD DAMPER         R-2       METALAIRE V4004-1       10*X6* SIDEWALL SUPPLY REGISTER       STEEL       WHITE       MODEL OBD DAMPER         R-4       METALAIRE V4004-1       10*X6* SIDEWALL SUPPLY REGISTER       STEEL       WHITE       MODEL OBD DAMPER         R-5       METALAIRE V4004-1       10*X6* SIDEWALL SUPPLY REGISTER       STEEL       WHITE       MODEL OBD DAMPER         R-6       METALAIRE V4004-1       112*X6* SIDEWALL SUPPLY REGISTER       S	:D—1																			
METALAIRE 000 12 1       DIALOT GEV ANOLULY OF CENTRY 1 dev of 0,1 met data, of 1       ALUMINUM       MITE       MODEL 000 12 1000         0-2       METALAIRE 6675-12-1       LINEAR SLOT DIFFUSER, 6'-0'' LONG, 2 SLOTS Ø 3/4'' WIDE EACH, 10'Ø ALUMINUM       WHTE       INSULATED BOOT PLENUM         RILLES & REGISTERS       ILINEAR SUCO 12 1000 (2 SLOTS Ø 3/4'' WIDE EACH, 10'Ø ALUMINUM       WHTE       INSULATED BOOT PLENUM         R-1       METALAIRE V4004-1       6''X4'' SIDEWALL SUPPLY REGISTER       STEEL       WHITE       MODEL OBD DAMPER         R-2       METALAIRE V4004-1       6''X6'' SIDEWALL SUPPLY REGISTER       STEEL       WHITE       MODEL OBD DAMPER         R-3       METALAIRE V4004-1       0''X6'' SIDEWALL SUPPLY REGISTER       STEEL       WHITE       MODEL OBD DAMPER         R-4       METALAIRE V4004-1       10''X8'' SIDEWALL SUPPLY REGISTER       STEEL       WHITE       MODEL OBD DAMPER         R-5       METALAIRE V4004-1       10''X8'' SIDEWALL SUPPLY REGISTER       STEEL       WHITE       MODEL OBD DAMPER         R-6       METALAIRE V4004-1       12''X8'' SIDEWALL SUPPLY REGISTER       STEEL       WHITE       MODEL OBD DAMPER         R-7       METALAIRE V4004-1       14''X8'' SIDEWALL SUPPLY REGISTER       STEEL       WHITE       MODEL OBD DAMPER         R-8       METALAIRE V4004-1       <	D-1 D-2	М	etalaire 5000-1				WHITE	MO	del d5 dam	PER										
RILES & REGISTERS       Minte       Model Obd AMPER         IR-1       METALAIRE V4004-1       6"X4" SIDEWALL SUPPLY REGISTER       STEEL       WHITE       MODEL OBD DAMPER         IR-2       METALAIRE V4004-1       10"X6" SIDEWALL SUPPLY REGISTER       STEEL       WHITE       MODEL OBD DAMPER         IR-3       METALAIRE V4004-1       6"X6" SIDEWALL SUPPLY REGISTER       STEEL       WHITE       MODEL OBD DAMPER         IR-4       METALAIRE V4004-1       10"X6" SIDEWALL SUPPLY REGISTER       STEEL       WHITE       MODEL OBD DAMPER         IR-5       METALAIRE V4004-1       10"X6" SIDEWALL SUPPLY REGISTER       STEEL       WHITE       MODEL OBD DAMPER         IR-5       METALAIRE V4004-1       10"X6" SIDEWALL SUPPLY REGISTER       STEEL       WHITE       MODEL OBD DAMPER         IR-5       METALAIRE V4004-1       12"X8" SIDEWALL SUPPLY REGISTER       STEEL       WHITE       MODEL OBD DAMPER         IR-6       METALAIRE 7500R-6       24"X24" CEILING GRILLE WTH 6"Ø NECK FOR LAY-IN CEILING       STEEL       WHITE       MODEL OBD DAMPER         IR-7       METALAIRE 7500R-6       24"X24" CEILING GRILLE WTH 6"Ø NECK FOR LAY-IN CEILING       STEEL       WHITE          IR-7       METALAIRE SRH-6       24"X24" FILTER CLG GRILLE WTH 12"X12" NECK FOR LAY-IN CEILING       STEEL	2D-1 2D-2 2D-3						•	•												
IR-2METALAIRE V4004-110"X6" SIDEWALL SUPPLY REGISTERSTEELWHITEMODEL OBD DAMPERIR-3METALAIRE V4004-16"X6" SIDEWALL SUPPLY REGISTERSTEELWHITEMODEL OBD DAMPERIR-4METALAIRE V4004-110"X8" SIDEWALL SUPPLY REGISTERSTEELWHITEMODEL OBD DAMPERIR-5METALAIRE V4004-1112"X8" SIDEWALL SUPPLY REGISTERSTEELWHITEMODEL OBD DAMPERIR-6METALAIRE V4004-1114"X8" SIDEWALL SUPPLY REGISTERSTEELWHITEMODEL OBD DAMPERIR-6METALAIRE V4004-114"X8" SIDEWALL SUPPLY REGISTERSTEELWHITEMODEL OBD DAMPERIR-6METALAIRE V4004-114"X8" SIDEWALL SUPPLY REGISTERSTEELWHITEMODEL OBD DAMPERIR-6METALAIRE V4004-114"X8" SIDEWALL SUPPLY REGISTERSTEELWHITEMODEL OBD DAMPERIR-7METALAIRE 7500R-624"X24" CEILING GRILLE WITH 6"ø NECK FOR LAY-IN CEILINGSTEELWHITEIR-7METALAIRE 7500R-624"X24" CEILING GRILLE WITH 8"ø NECK FOR LAY-IN CEILINGSTEELWHITEIR-8METALAIRE 7500R-624"X24" CEILING GRILLE WITH 8"ø NECK FOR LAY-IN CEILINGSTEELWHITEIR-7METALAIRE 7500R-624"X24" CEILING GRILLE WITH 12"X12" NECK FOR LAY-IN CLISTEELWHITEIR-8METALAIRE SRHF-624"X24" FILTER CLG GRILLE WITH 12"X12" NECK FOR LAY-IN CLGSTEELWHITE1" MERV 13 FILTER	CD-1 CD-2 CD-3 CD-4 SD-1				LAR SL	_OT DIFFUSE	K, 6 - U LUN	G, 2 SLUI:	5 <b>U</b> 3/4	4 WIDE EACH	, IU 9 ALUMINUN	I   WHILE	INSUL	AIED BOOT	PLENUM					
IR-3METALAIRE V4004-16"x6" SIDEWALL SUPPLY REGISTERSTEELWHITEMODEL OBD DAMPERIR-4METALAIRE V4004-110"x8" SIDEWALL SUPPLY REGISTERSTEELWHITEMODEL OBD DAMPERIR-5METALAIRE V4004-112"x8" SIDEWALL SUPPLY REGISTERSTEELWHITEMODEL OBD DAMPERIR-6METALAIRE V4004-114"x8" SIDEWALL SUPPLY REGISTERSTEELWHITEMODEL OBD DAMPERIR-6METALAIRE V4004-114"x8" SIDEWALL SUPPLY REGISTERSTEELWHITEMODEL OBD DAMPERIR-6METALAIRE 7500R-624"x24" CEILING GRILLE WITH 6"Ø NECK FOR LAY-IN CEILINGSTEELWHITECR-1METALAIRE 7500R-624"x24" CEILING GRILLE WITH 8"Ø NECK FOR LAY-IN CEILINGSTEELWHITECR-3METALAIRE 7500R-624"x24" CEILING GRILLE WITH 8"Ø NECK FOR LAY-IN CEILINGSTEELWHITECG-1METALAIRE SRHF-624"x24" FILTER CLG GRILLE WITH 12"x12" NECK FOR LAY-IN CEISTEELWHITE1" MERY 13 FILTER	CD-1 CD-2 CD-3 CD-4 SD-1 SD-2								-	-										
IR-4       METALAIRE V4004-1       10°X8" SIDEWALL SUPPLY REGISTER       STEEL       WHITE       MODEL OBD DAMPER         IR-5       METALAIRE V4004-1       12°X8" SIDEWALL SUPPLY REGISTER       STEEL       WHITE       MODEL OBD DAMPER         IR-6       METALAIRE V4004-1       14°X8" SIDEWALL SUPPLY REGISTER       STEEL       WHITE       MODEL OBD DAMPER         CR-1       METALAIRE 7500R-6       24°X24" CEILING GRILLE WITH 6°Ø NECK FOR LAY-IN CEILING       STEEL       WHITE          CR-2       METALAIRE SRH-1       12°X8" CEILING EXHAUST REGISTER       STEEL       WHITE       OPPOSED BLADE DAMPER         CR-3       METALAIRE 7500R-6       24°X24" CEILING GRILLE WITH 8°Ø NECK FOR LAY-IN CEILING       STEEL       WHITE          CG-1       METALAIRE SRHF-6       24°X24" FILTER CLG GRILLE WITH 12°X12" NECK FOR LAY-IN CLG       STEEL       WHITE       1" MERV 13 FILTER	CD-1 CD-2 CD-3 CD-4 SD-1 SD-2 RILLES RILLES	& REGISTERS Me											_							
TR-6       METALAIRE V4004-1       14*X8* SIDEWALL SUPPLY REGISTER       STEEL       WHITE       MODEL OBD DAMPER         CR-1       METALAIRE 7500R-6       24*X24* CEILING GRILLE WITH 6*Ø NECK FOR LAY-IN CEILING       STEEL       WHITE          CR-2       METALAIRE SRH-1       12*X8* CEILING EXHAUST REGISTER       STEEL       WHITE       OPPOSED BLADE DAMPER         CR-3       METALAIRE 7500R-6       24*X24* CEILING GRILLE WITH 8*Ø NECK FOR LAY-IN CEILING       STEEL       WHITE       OPPOSED BLADE DAMPER         CG-1       METALAIRE SRHF-6       24*X24* FILTER CLG GRILLE WITH 12*X12* NECK FOR LAY-IN CLG       STEEL       WHITE       1* MERV 13 FILTER	CD-1 CD-2 CD-3 CD-4 SD-1 SD-2 RILLES RILLES RILLES RILLES	& REGISTERS Me Me	TALAIRE V4004-1						-	-			_							
CR-1       METALAIRE 7500R-6       24"x24" CEILING GRILLE WITH 6"Ø NECK FOR LAY-IN CEILING       STEEL       WHITE          CR-2       METALAIRE SRH-1       12"x8" CEILING EXHAUST REGISTER       STEEL       WHITE       OPPOSED BLADE DAMPER         CR-3       METALAIRE 7500R-6       24"x24" CEILING GRILLE WITH 8"Ø NECK FOR LAY-IN CEILING       STEEL       WHITE          CG-1       METALAIRE SRHF-6       24"x24" FILTER CLG GRILLE WITH 12"x12" NECK FOR LAY-IN CLG       STEEL       WHITE       1" MERV 13 FILTER	CD-1 CD-2 CD-3 CD-4 SD-1 SD-2 RILLES RI	& Registers Me Me	TALAIRE V4004-1 TALAIRE V4004-1				12"X8" SIDE	WALL SUPP	PLY RE	GISTER	STEE	il white	:	MODEL OBD	DAMPER					
CR-2       METALAIRE SRH-1       12"X8" CEILING EXHAUST REGISTER       STEEL       WHITE       OPPOSED BLADE DAMPER         CR-3       METALAIRE 7500R-6       24"X24" CEILING GRILLE WITH 8"Ø NECK FOR LAY-IN CEILING       STEEL       WHITE          CG-1       METALAIRE SRHF-6       24"X24" FILTER CLG GRILLE WITH 12"X12" NECK FOR LAY-IN CLG       STEEL       WHITE       1" MERV 13 FILTER	CD-1       CD-2       CD-3       CD-4       SD-1       SD-2       RILLES       RR-1       IR-2       IR-3       IR-4       IR-5	& REGISTERS ME ME ME ME ME	TALAIRE V4004-1 TALAIRE V4004-1 TALAIRE V4004-1 TALAIRE V4004-1								L L	. •	- 1	MODEL OBD	DAMPER					
CR-3       METALAIRE 7500R-6       24"X24" CEILING GRILLE WITH 8"Ø NECK FOR LAY-IN CEILING       STEEL       WHITE          CG-1       METALAIRE SRHF-6       24"X24" FILTER CLG GRILLE WITH 12"X12" NECK FOR LAY-IN CLG       STEEL       WHITE       1" MERV 13 FILTER	CD-1 CD-2 CD-3 CD-4 SD-1 SD-2 RILLES RI	& REGISTERS Me Me Me Me Me	TALAIRE V4004-1 TALAIRE V4004-1 TALAIRE V4004-1 TALAIRE V4004-1 TALAIRE V4004-1				14"X8" SIDE													
	CD-1 CD-2 CD-3 CD-4 SD-1 SD-2 RILLES RI	& REGISTERS ME ME ME ME ME ME	TALAIRE V4004-1 TALAIRE V4004-1 TALAIRE V4004-1 TALAIRE V4004-1 TALAIRE V4004-1 TALAIRE 7500R-6		24	4"X24" CEILI	14"X8" SIDE ING GRILLE	WITH 6"ø	NECK F	For lay-in (	CEILING STEE	L WHITE	:	 PPOSED BLA	DE DAMPE	R				
	CD-1 CD-2 CD-3 CD-4 SD-1 SD-2 RILLES RI	& REGISTERS ME ME ME ME ME ME ME	TALAIRE V4004-1 TALAIRE V4004-1 TALAIRE V4004-1 TALAIRE V4004-1 TALAIRE V4004-1 TALAIRE 7500R-6 ETALAIRE SRH-1			4"X24" CEILI	14"X8" SIDE ING GRILLE 12"X8" CEIL	WITH 6 <b>"ø</b> Ing exhau	NECK F Ist rec	for lay—in ( Gister	Ceiling Stee Stee	il White Il White	E OF			R				
CG-2 METALAIRE SRHF-6 24"X24" FILTER CLG GRILLE WITH 22"X22" NECK FOR LAY-IN CLG STEEL WHITE 1" MERV 13 FILTER NOTES:	CD-1 CD-2 CD-3 CD-4 SD-1 SD-2 RILLES RILLES R R-2 IR-3 IR-4 IR-5 IR-6 CR-1 CR-1 CR-2 CR-1 CR-2 CR-3 CG-1	& REGISTERS ME ME ME ME ME ME ME ME	TALAIRE V4004-1 TALAIRE V4004-1 TALAIRE V4004-1 TALAIRE V4004-1 TALAIRE V4004-1 TALAIRE 7500R-6 IETALAIRE SRH-1 TALAIRE 7500R-6 TALAIRE SRHF-6		24 24*X	4"X24" CEILI 4"X24" CEILI 4"X24" FILTER	14"X8" SIDE ING GRILLE 12"X8" CEIL ING GRILLE CLG GRILLE	WITH 6 <sup>*</sup> ø Ing Exhau With 8 <sup>*</sup> ø With 12*	NECK F IST REC NECK F X12" N	for lay—in ( Gister for lay—in ( Ieck for lay	Ceiling Stee Stee Ceiling Stee (-In Clg Stee	L WHITE L WHITE L WHITE L WHITE	E OF E OF		3 FILTER	R				

## CONDITIONING SYSTEM

RFORMANCE REQUIREMENTS. EQUALS SHALL BE ACCEPTED

- BISHI PKA-A36KA7, Y-A36NKA7 SEER, R-410A. EED TO OUTDOOR UNIT. . GREES F. QUIPMENT.
- UBISHI PKA-A18HA, JY-A18NHA3 SEER, R-410A. EED TO OUTDOOR UNIT.
- . Grees f.
- EQUIPMENT.
- BISHI PKA-A18HA, '-A18NHA3
- SEER, R-410A. EED TO OUTDOOR UNIT.
- . GREES F.
- QUIPMENT.

## <u>LEGEND</u>

REFRIGERANT

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RECTANGULAR DUCT FLEXIBLE CONNECTION VOLUME DAMPER DROP IN DIRECTION OF AIRFLOW

RISE IN DIRECTION OF AIRFLOW

SUPPLY DUCT UP (OR FROM ABOVE)

SUPPLY DUCT DOWN (OR FROM BELOW)

RETURN OR EXHAUST DUCT UP

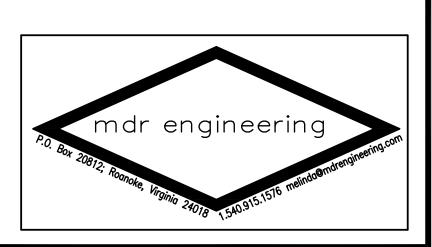
RETURN OR EXHAUST DUCT DOWN

FLEXIBLE DUCT

MOTOR OPERATED DAMPER

REDUCER SMOKE DETECTOR, DUCT MOUNTED THERMOSTAT OR TEMPERATURE SENSOR

A	BREVIATIONS
BTU	BRITISH THERMAL UNIT
CD	CEILING DIFFUSER
CFD	CEILING FIRE DAMPER
CFM	CUBIC FEET PER MINUTE
CG	CEILING GRILLE
COP	COEFFICIENT OF PERFORMANCE
CR	CEILING REGISTER
DB	DRY BULB TEMPERATURE ENTERING AIR TEMPERATURE
EAT EER	ENTERING AIR TEMPERATURE ENERGY EFFICIENCY RATIO
EFF	EFFICIENCY
EXT	EXTERNAL
F	DEGREES FAHRENHEIT
FPM	FEET PER MINUTE
FT	FEET
HP	HORSEPOWER
IN	INCH, INCHES
LAT	LEAVING AIR TEMPERATURE
MAX	MAXIMUM
MBH	THOUSAND BTU PER HOUR
VD	VOLUME DAMPER
MH MIN	Mounting height Minimum
MOD	MOTOR OPERATED DAMPER
NC	NORMALLY CLOSED
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
0A	OUTSIDE AIR
PD	PRESSURE DROP
PS	PRESSURE SENSOR
PSI	POUNDS PER SQUARE INCH
PSIG	POUNDS PER SQUARE INCH GAGE
RA	RETURN AIR
SP	STATIC PRESSURE
TEMP	TEMPERATURE
TG TR	Top grille Top register
TYP	TYPICAL
WB	WET BULB TEMPERATURE
WC, WG	WATER COLUMN
AFF	ABOVE FINISHED FLOOR
ABV	ABOVE
AD	ACCESS DOOR
BEL	BELOW
BET	BETWEEN
CLG	CEILING
CONN	CONNECT, CONNECTION
CONT	CONTINUED
DN EA	DOWN EACH
FL	FLOOR
FLEX	FLEXIBLE
FR	FROM
GALV	GALVANIZED
REQD	REQUIRED
SH	SHEET
SDR	DUCT MOUNTED SMOKE DETECTOR

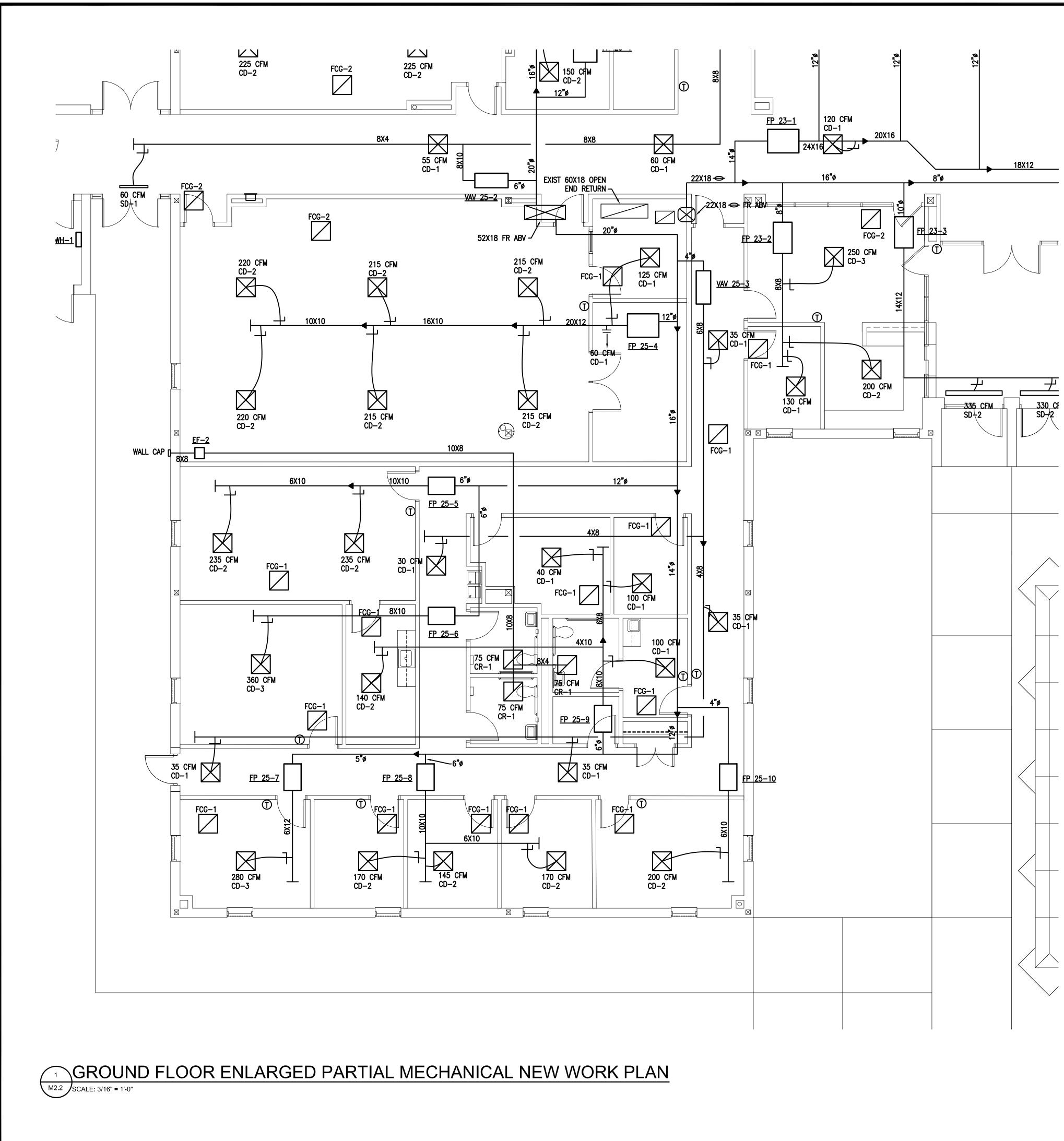


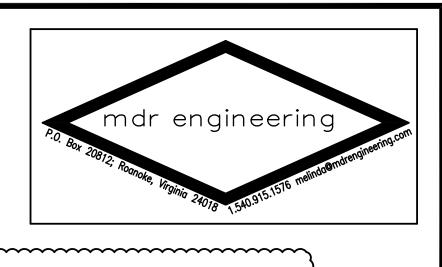


DRAWN BY: MDR MDR REV'D BY: 6/17/22 DATE: SCALE: AS SHOWN MECHANICAL LEGEND & SCHEDULES M0.1

\_\_\_\_\_ of \_\_\_X

SHEET

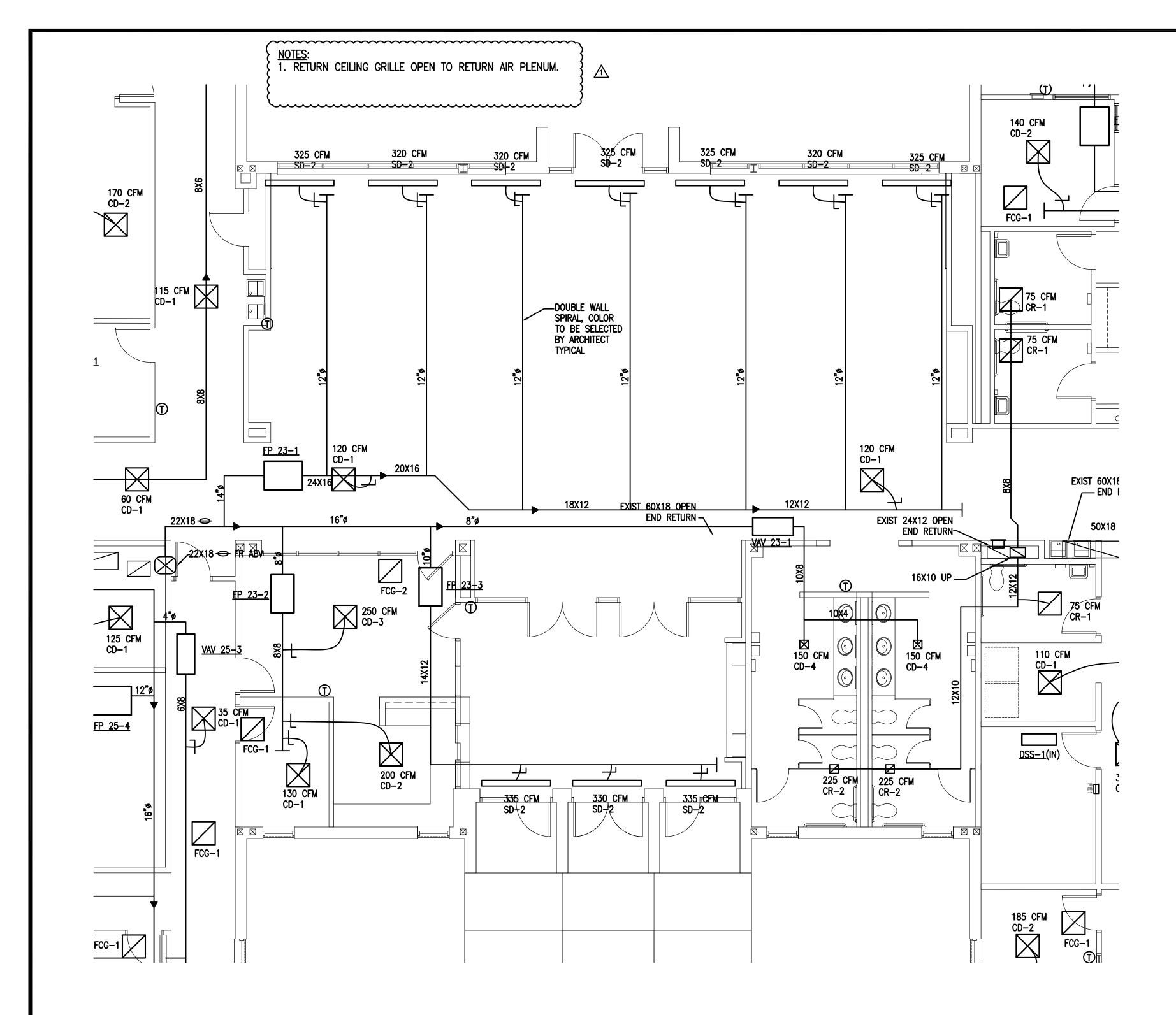




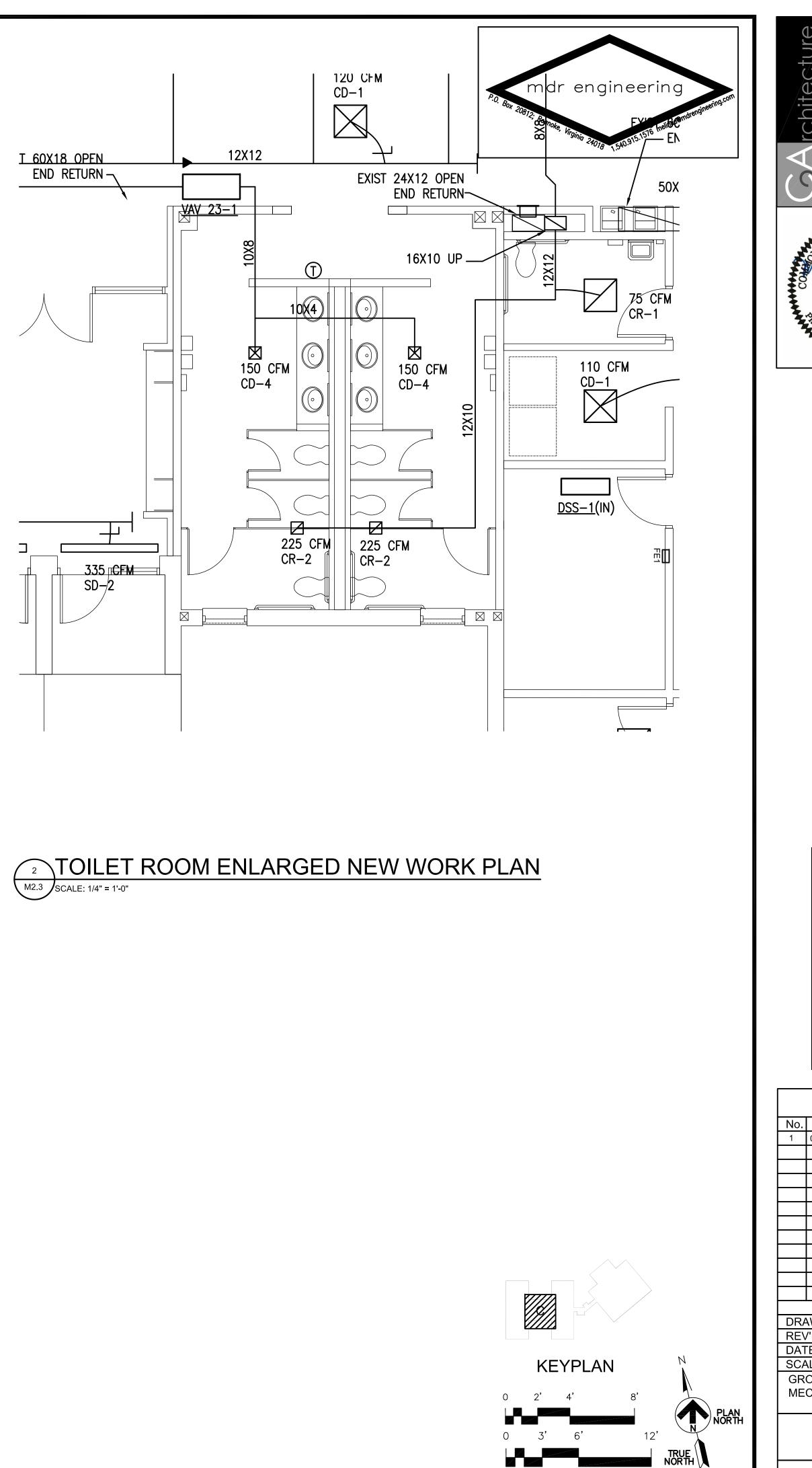
<u>NOTES:</u> 1. RETURN CEILING GRILLE OPEN TO RETURN AIR PLENUM. .....

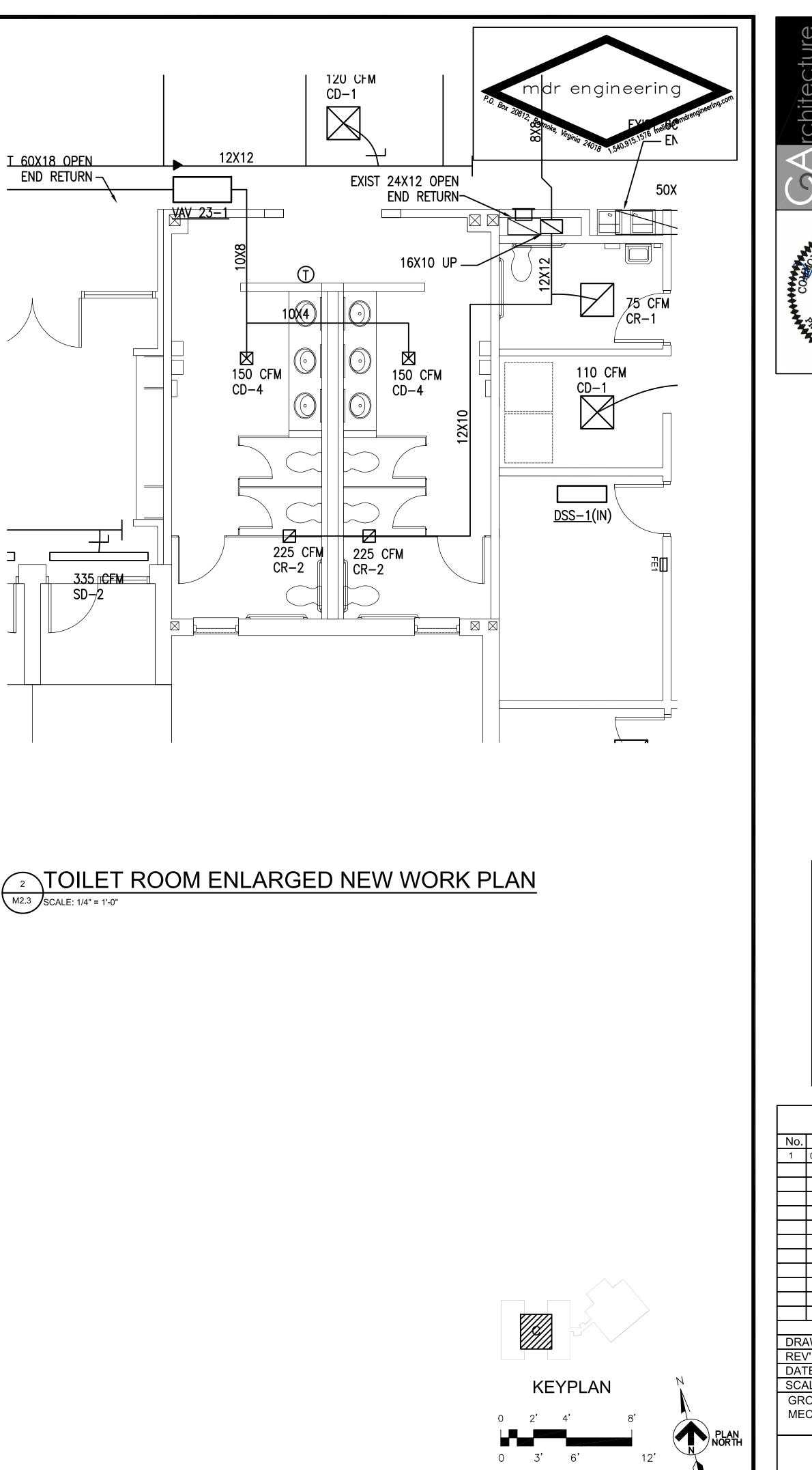


KEYPLAI	N N
0 3' 6'	12'



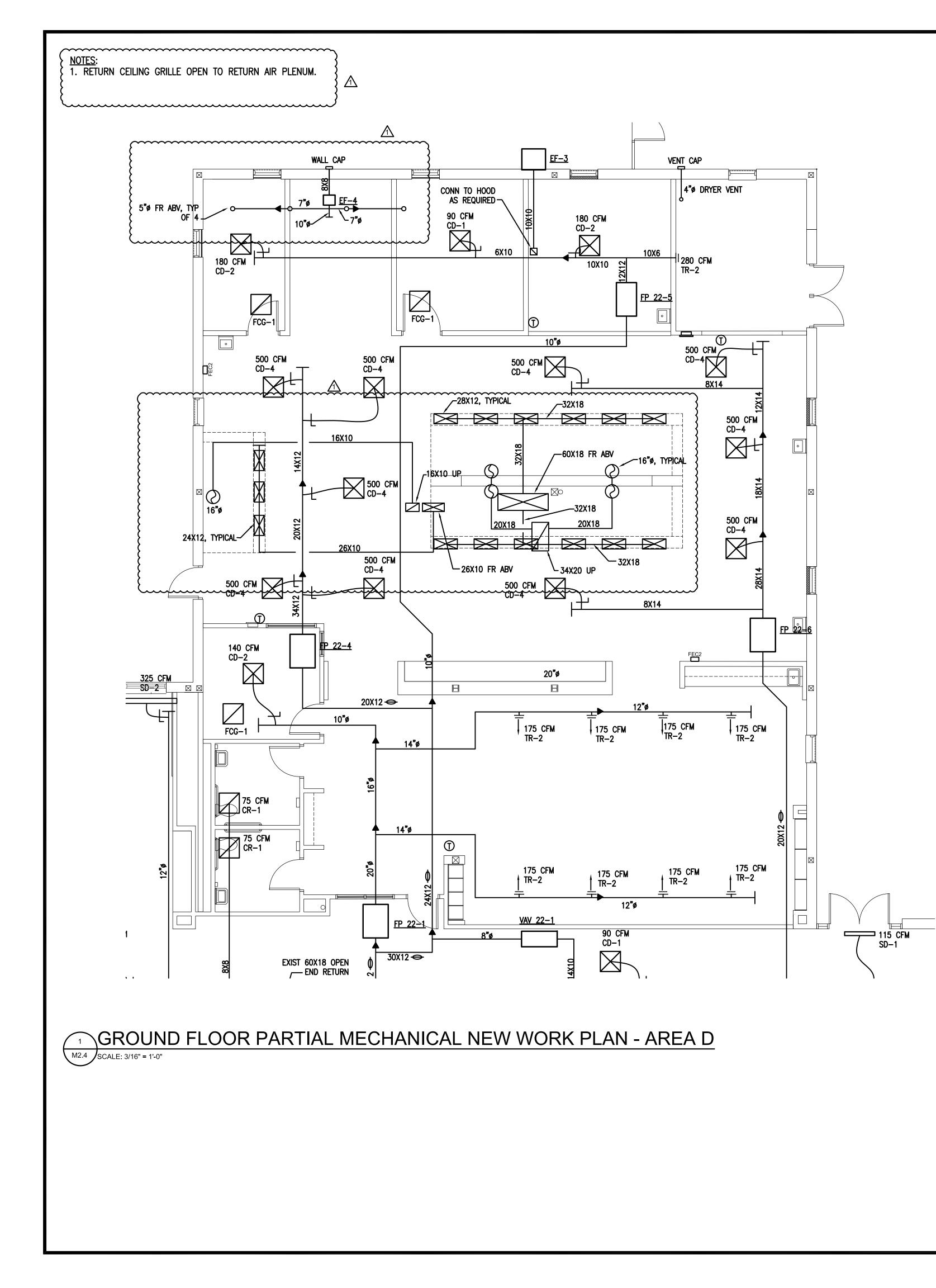
GROUND FLOOR PARTIAL MECHANICAL NEW WORK PLAN - AREA C M2.3 SCALE: 3/16" = 1'-0"

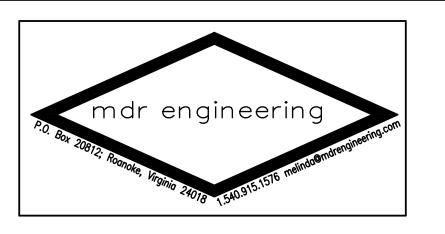




rchitecture A44444444 MELINDA D. RUBLE №. 028163 06.17.2022 100000 NTER Ш D Z ( ` Ζ  $\triangleleft$ VIIO REER Ō A く  $\supset$  $\bigcup$ ROAI RUFFNER Ш HNIC TEC >**ANO** BL  $\frac{2}{2}$ ΡU REVISIONS No. DATE DESCRIPTION 1 07/18/22 ADDENDUM 3 DRAWN BY: MDR MDR REV'D BY: 6/17/22 DATE: AS SHOWN SCALE: GROUND FLOOR PARTIAL MECHANICAL NEW WORK PLAN - AREA C

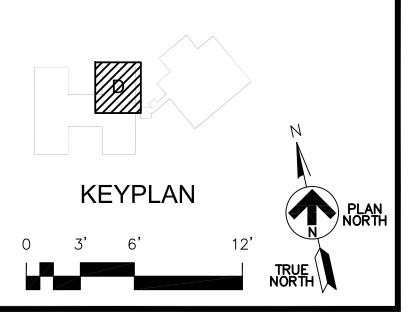
M2.3

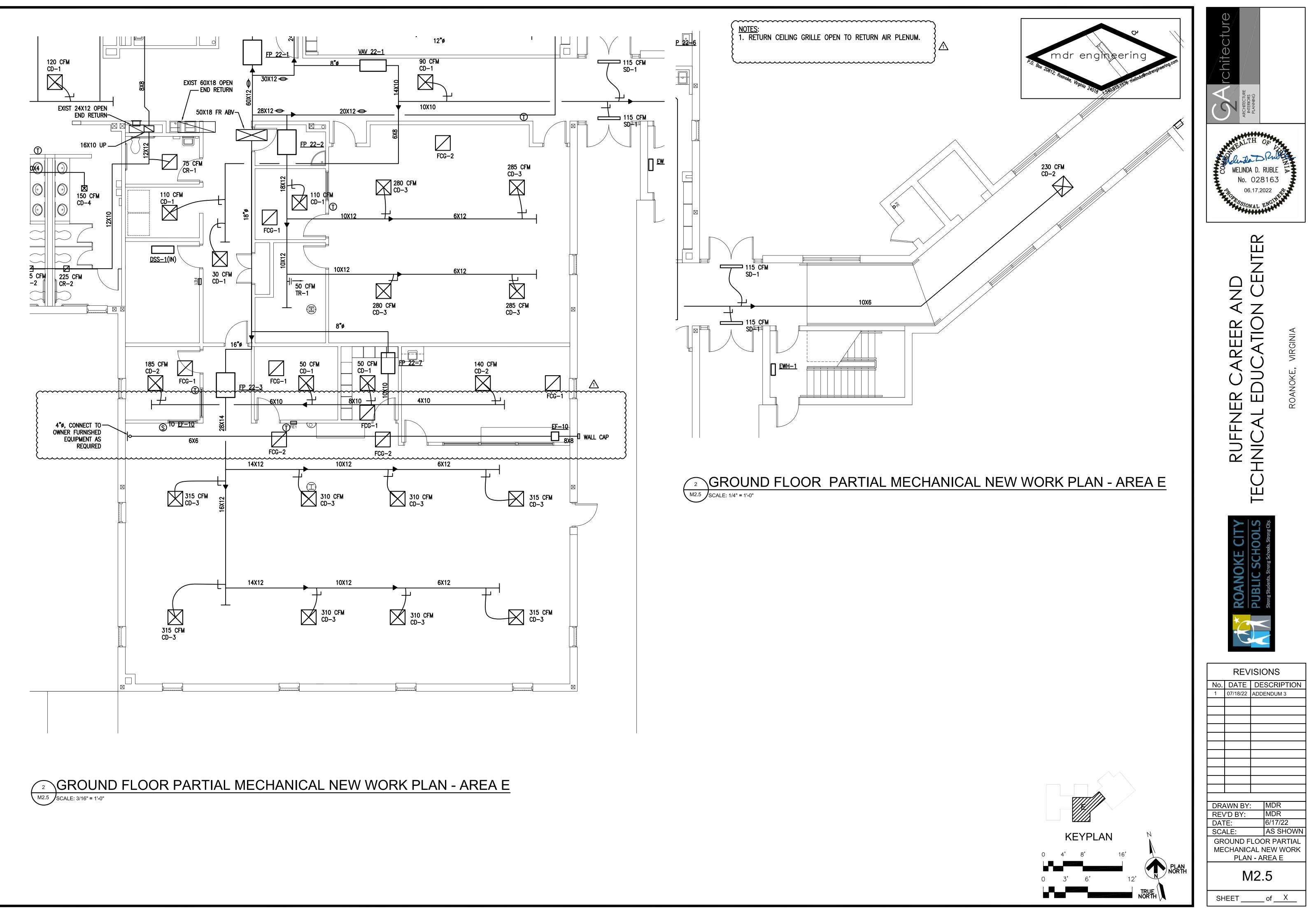


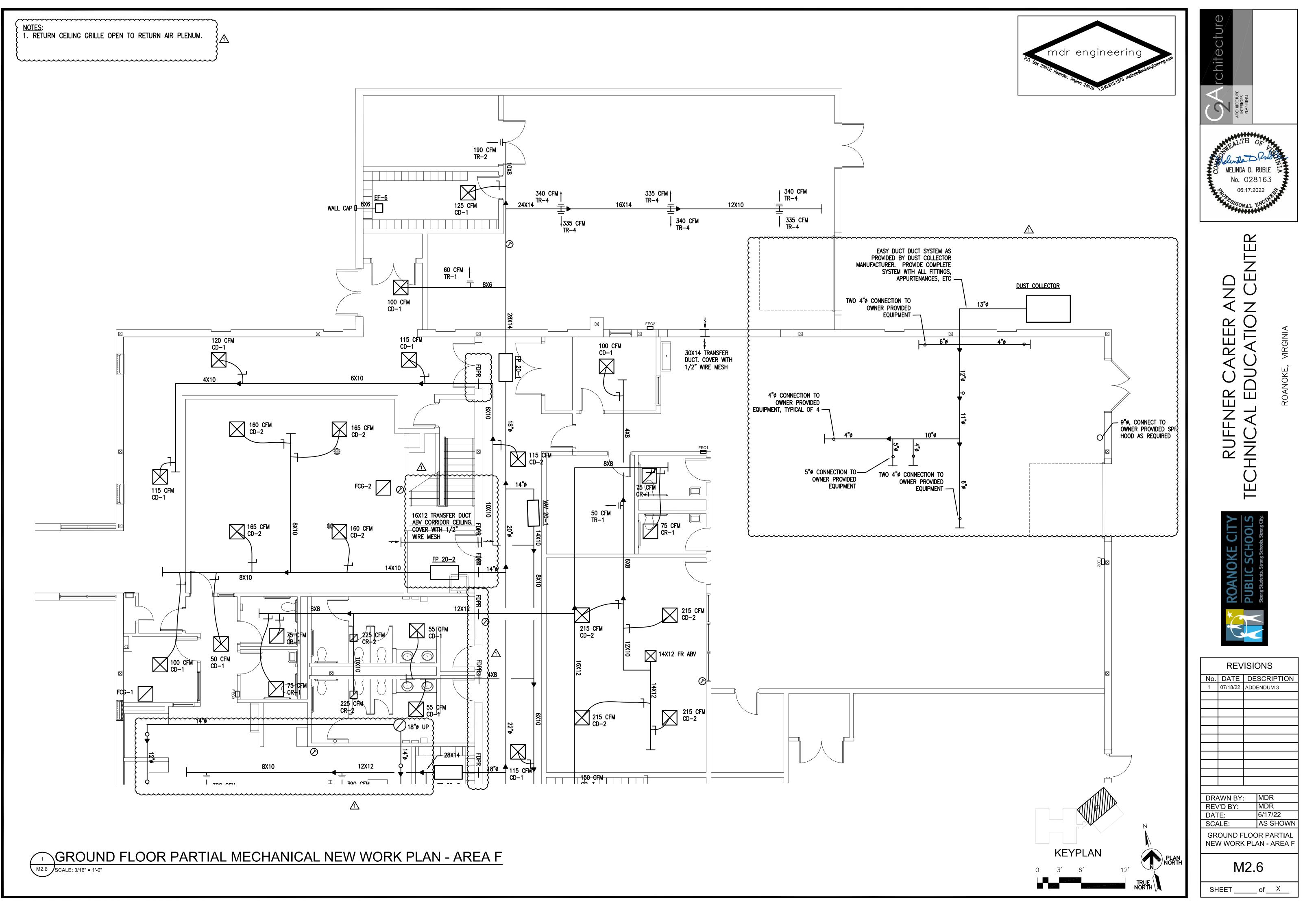


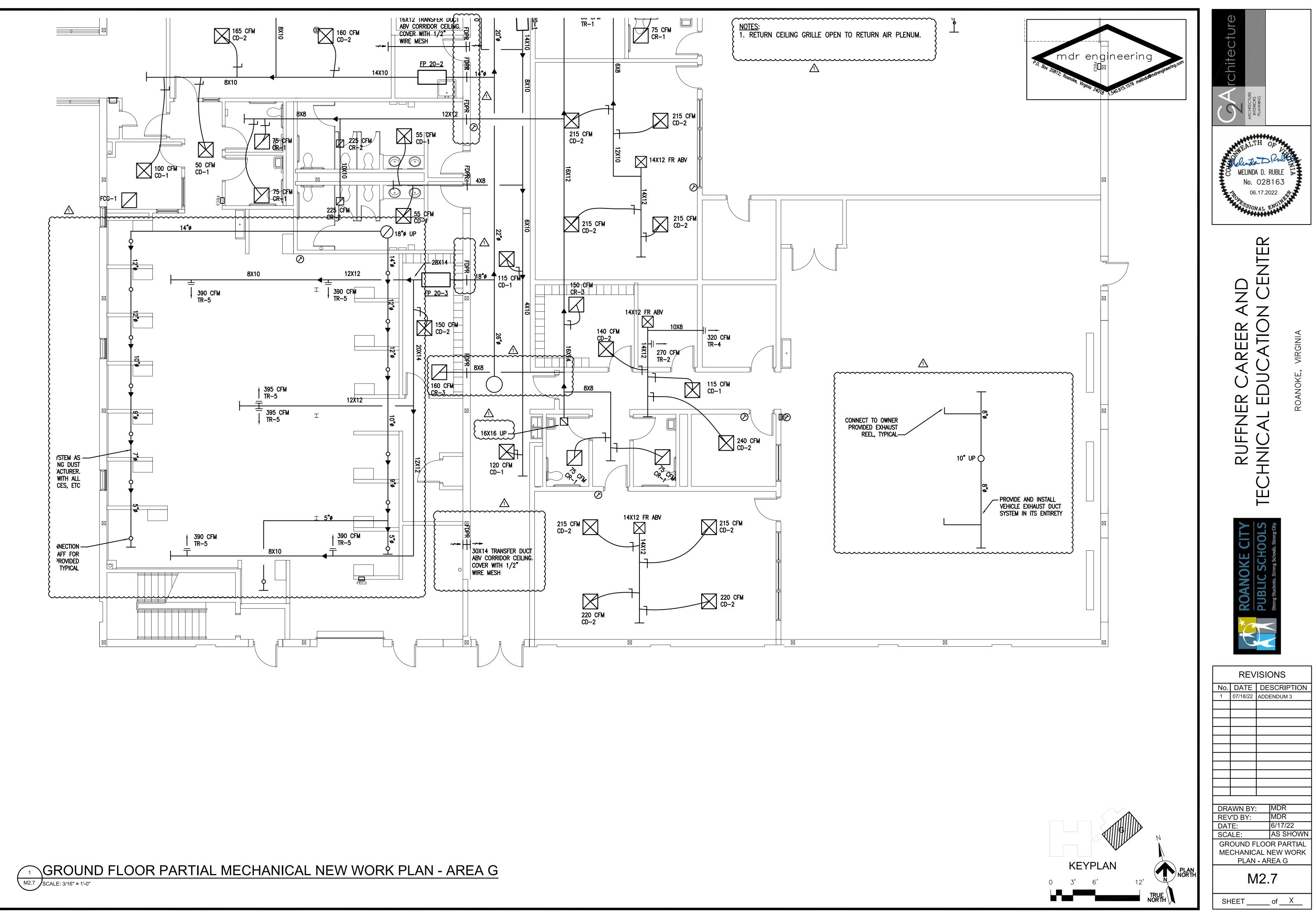


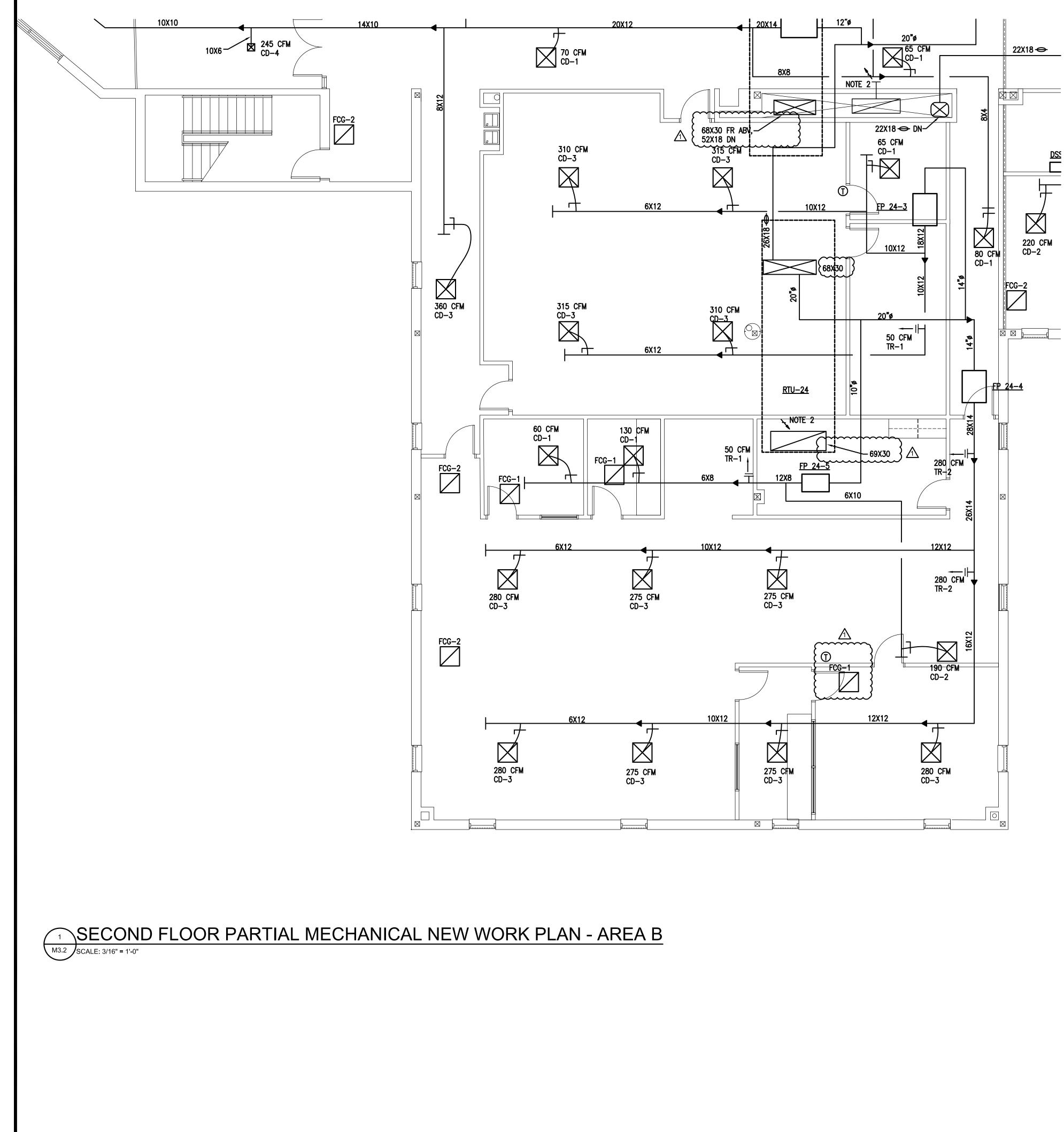
	REV	'ISIC	ONS						
No.	DATE	DE	SCRIPTION						
1	07/18/22	ADD	ENDUM 3						
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			6/17/22						
	ALE:		AS SHOWN						
	GROUND FLOOR PARTIAL NEW WORK PLAN - AREA D								
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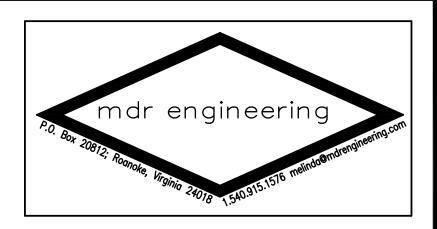












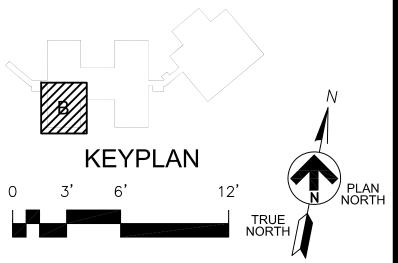
<u>NOTES</u>: 1. RETURN CEILING GRILLE OPEN TO RETURN AIR PLENUM. 2. OPEN END RETURN DUCT ABOVE CEILING. COVER WITH 1/2" WIRE MESH.

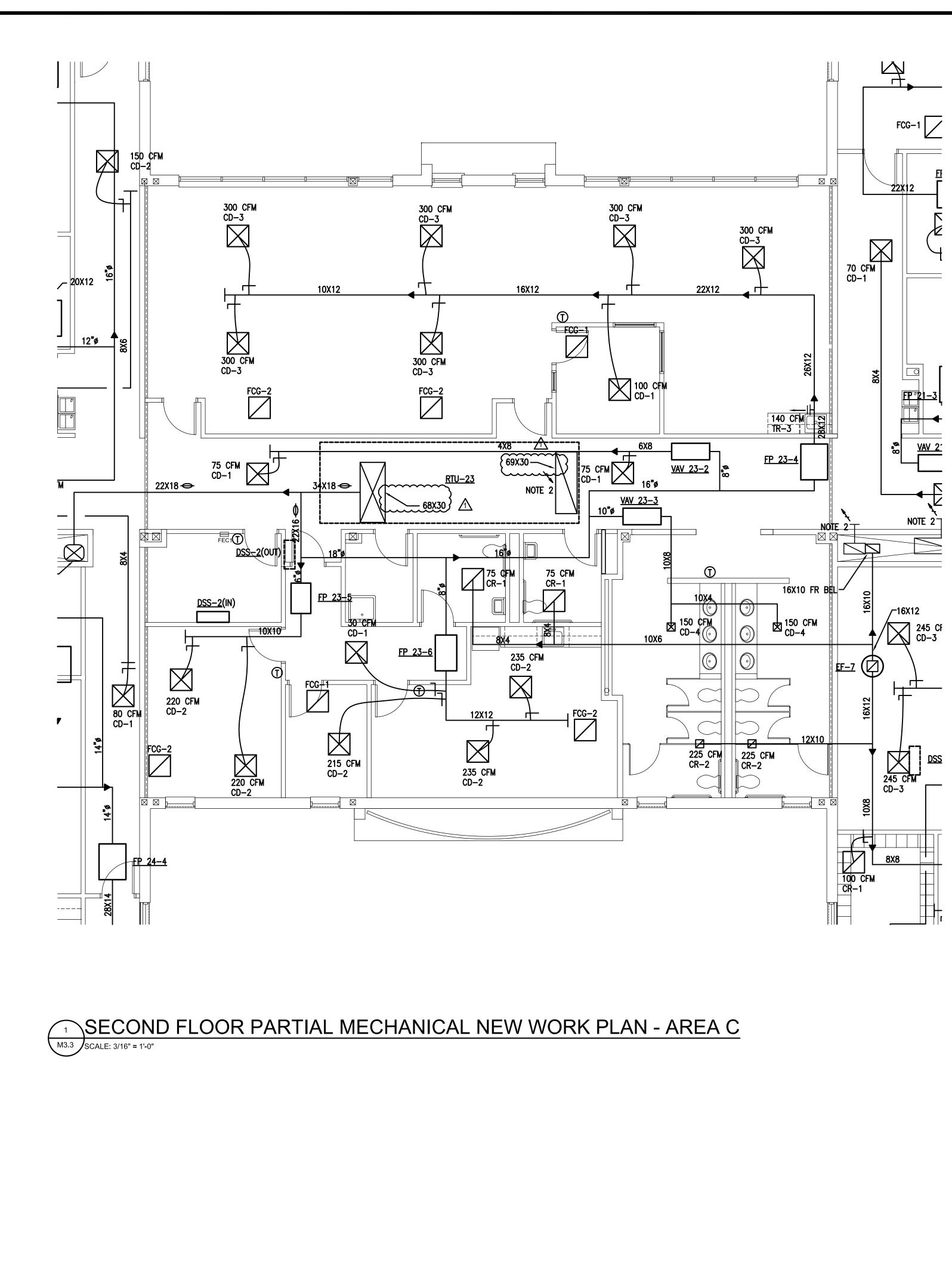
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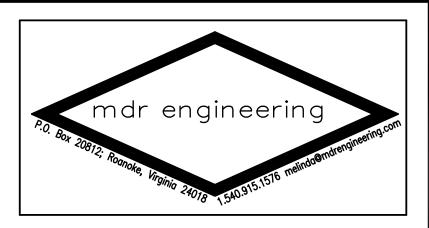


MECHANICAL NEW WORK PLAN - AREA B

M3.2







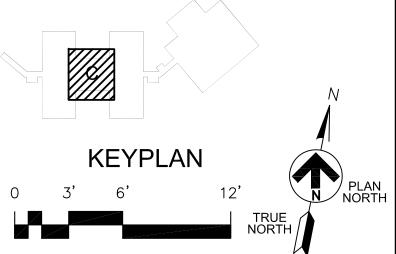
<u>NOTES</u>: 1. RETURN CEILING GRILLE OPEN TO RETURN AIR PLENUM. 2. OPEN END RETURN DUCT ABOVE CEILING. COVER WITH 1/2" WIRE MESH.

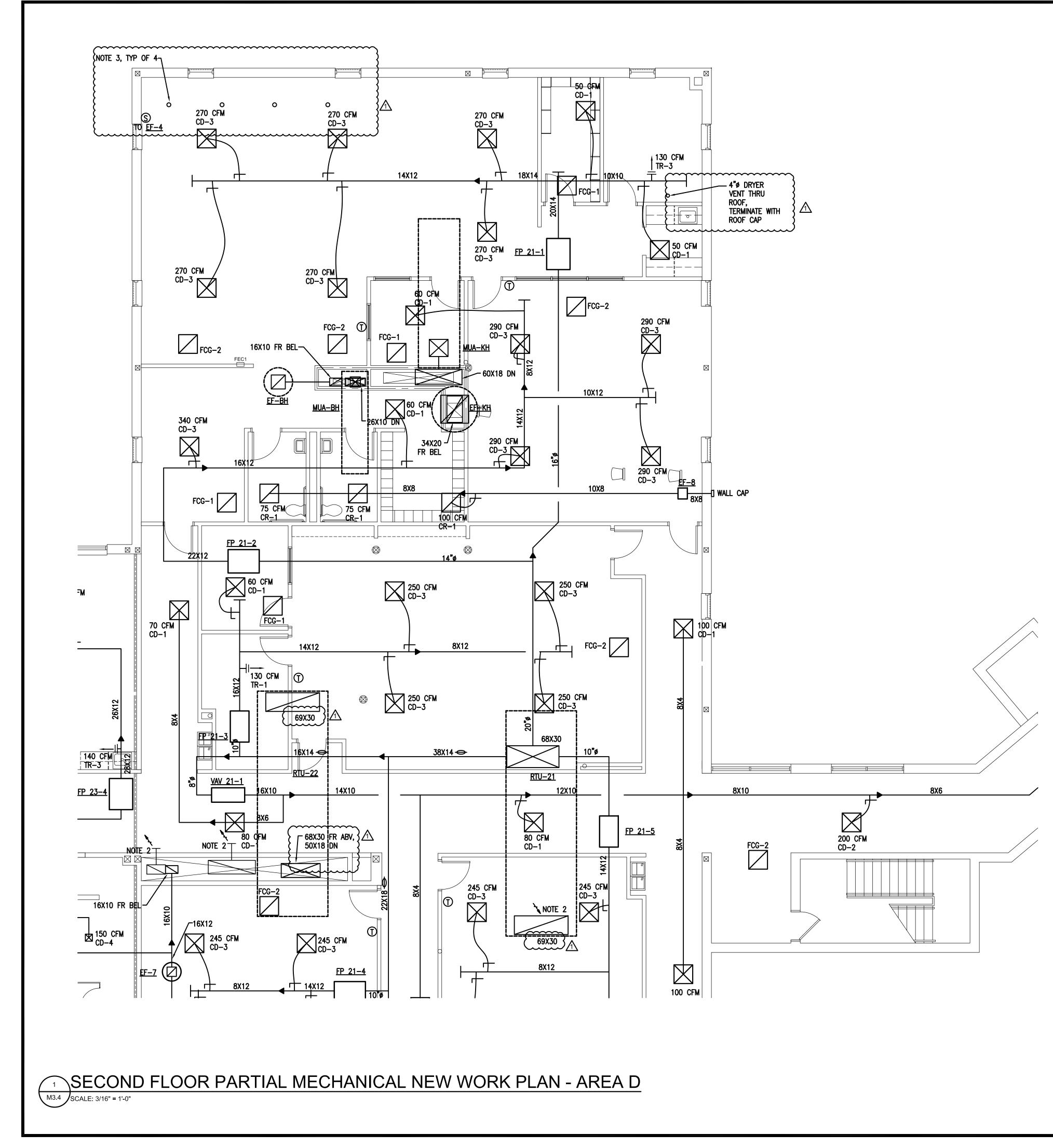
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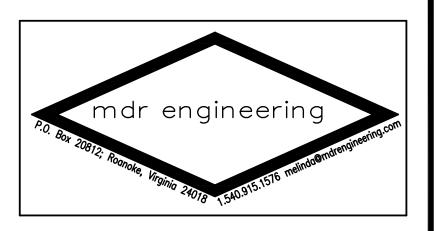
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M3.3



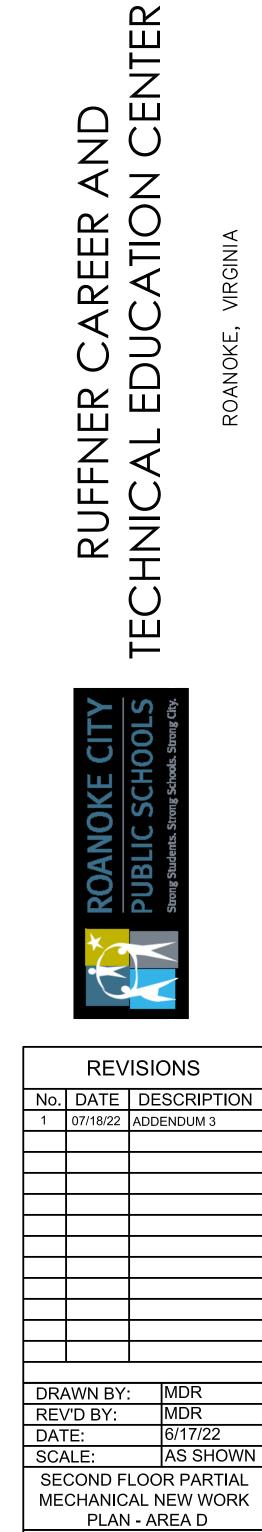




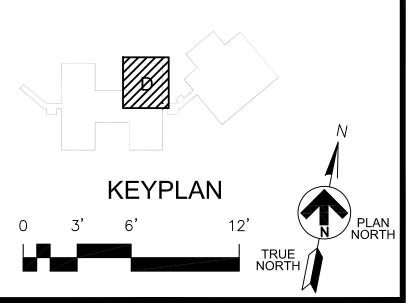
NOTES: { 1. RETURN CEILING GRILLE OPEN TO RETURN AIR PLENUM. { 2. OPEN END RETURN DUCT ABOVE CEILING. COVER WITH 1/2" WIRE

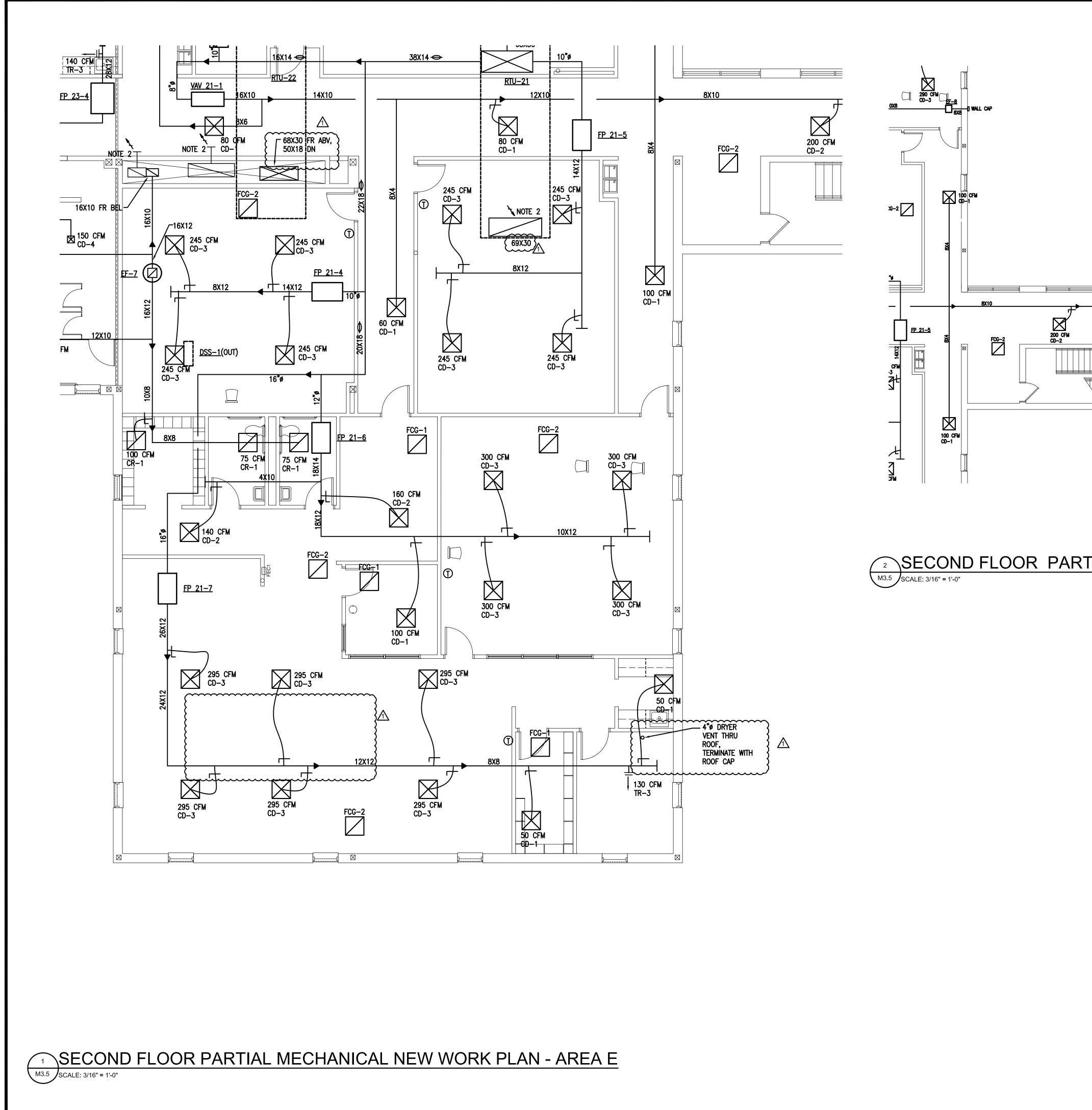
MESH.

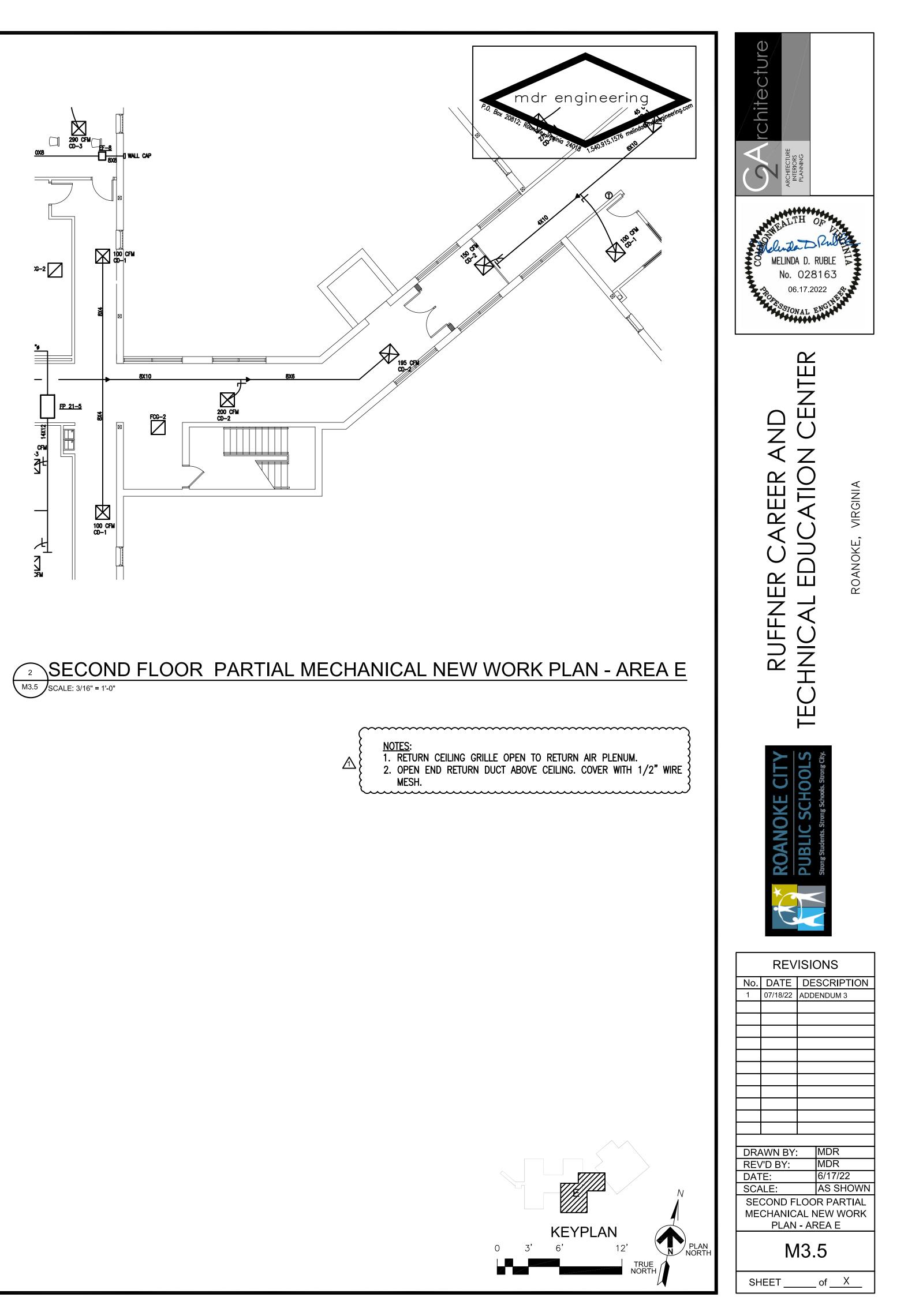
- 3. CONTRACTOR TO CONNECT TO MANICURE TABLE GRILLE AS REQUIRED. EXTEND 5" XHAUST DUCT DOWN TO FIRST FLOOR.
- rchitecture MELINDA D. RUBLE No. 028163 06.17.2022 - ABBOOK

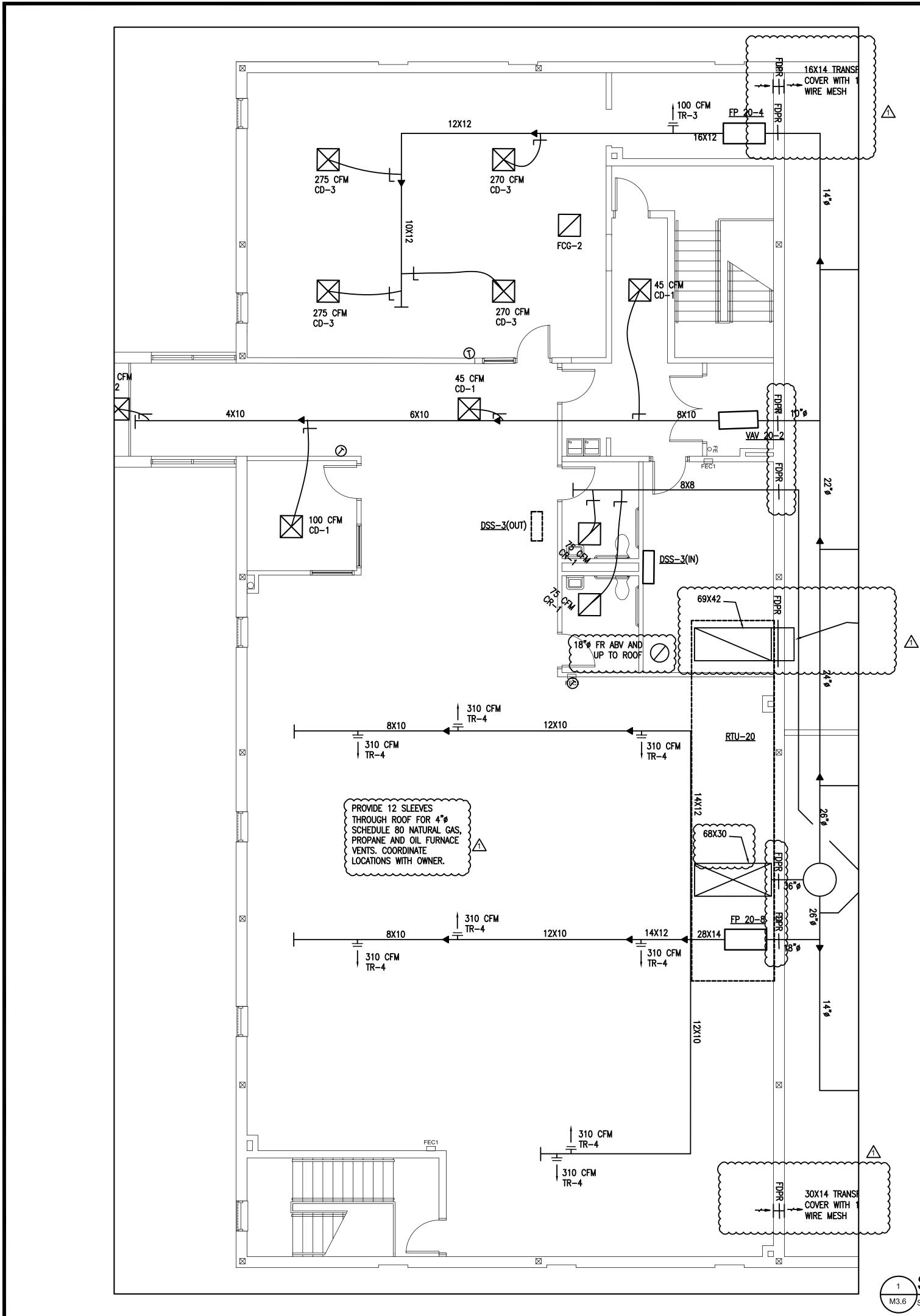


M3.4



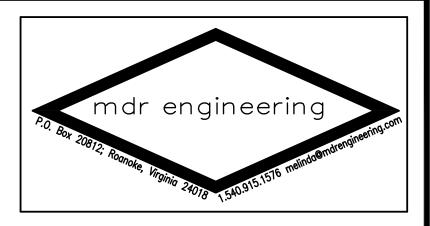






## SECOND FLOOR PARTIAL NEW WORK PLAN - AREA F

M3.6 SCALE: 3/16" = 1'-0"



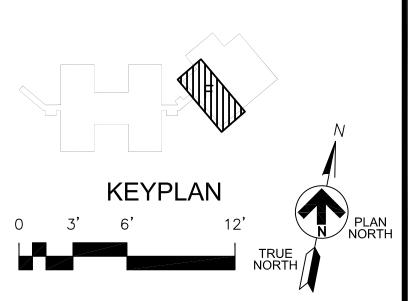
<u>NOTES</u>: 1. RETURN CEILING GRILLE OPEN TO RETURN AIR PLENUM. 2. OPEN END RETURN DUCT ABOVE CEILING. COVER WITH 1/2" WIRE

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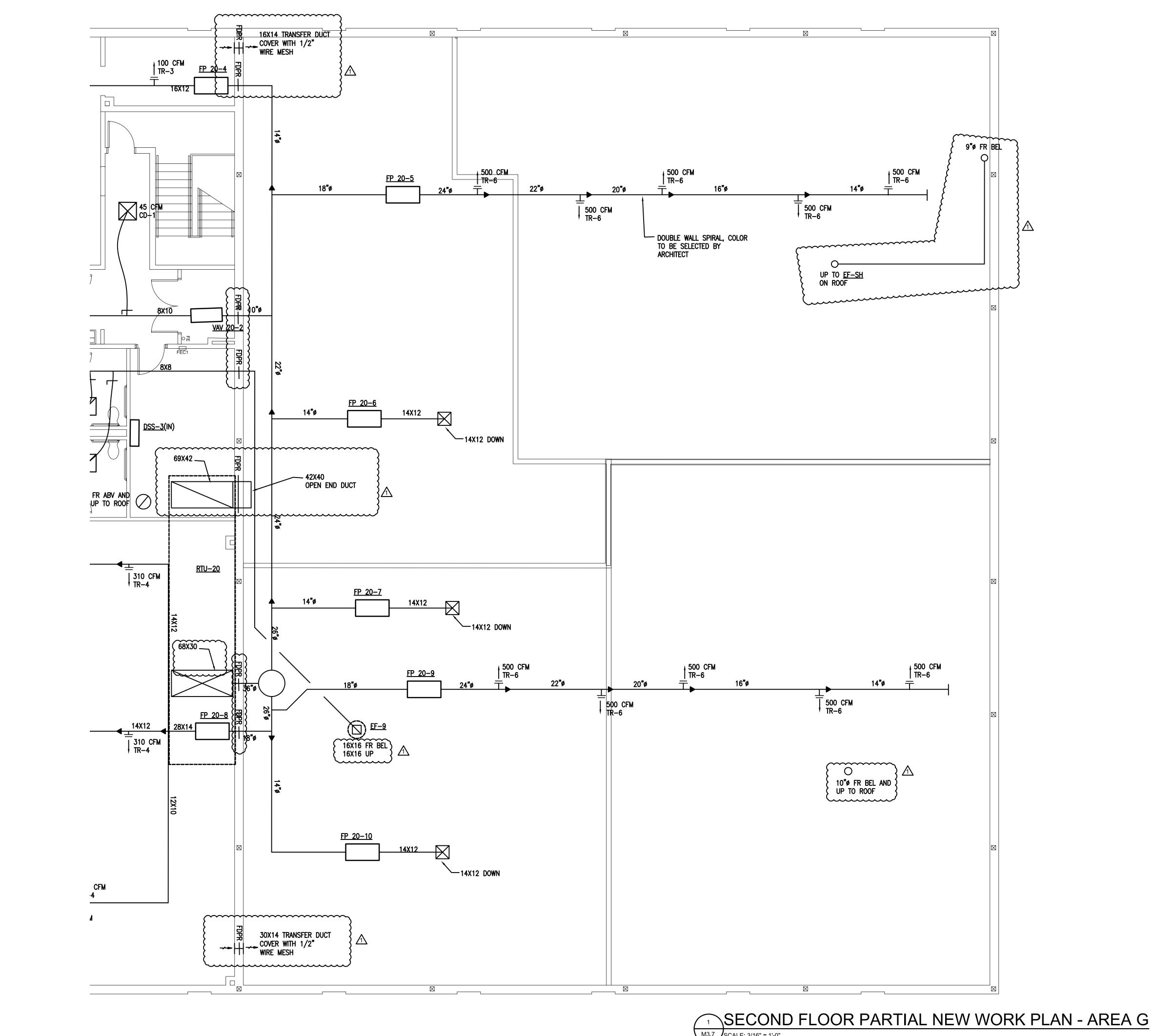
MESH.



M3.6



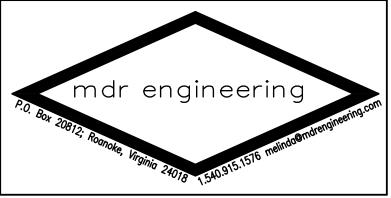




M3.7 SCALE: 3/16" = 1'-0"



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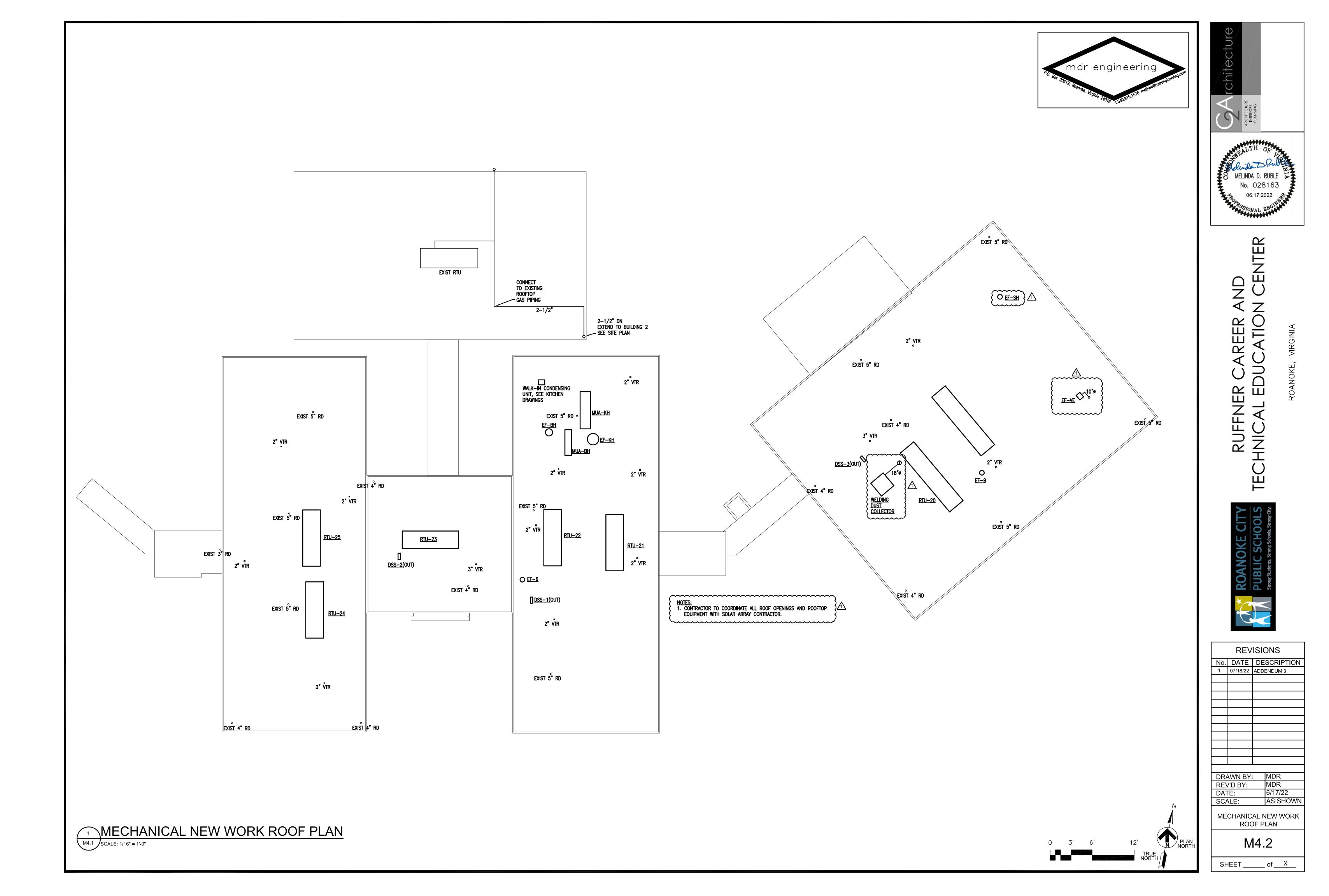


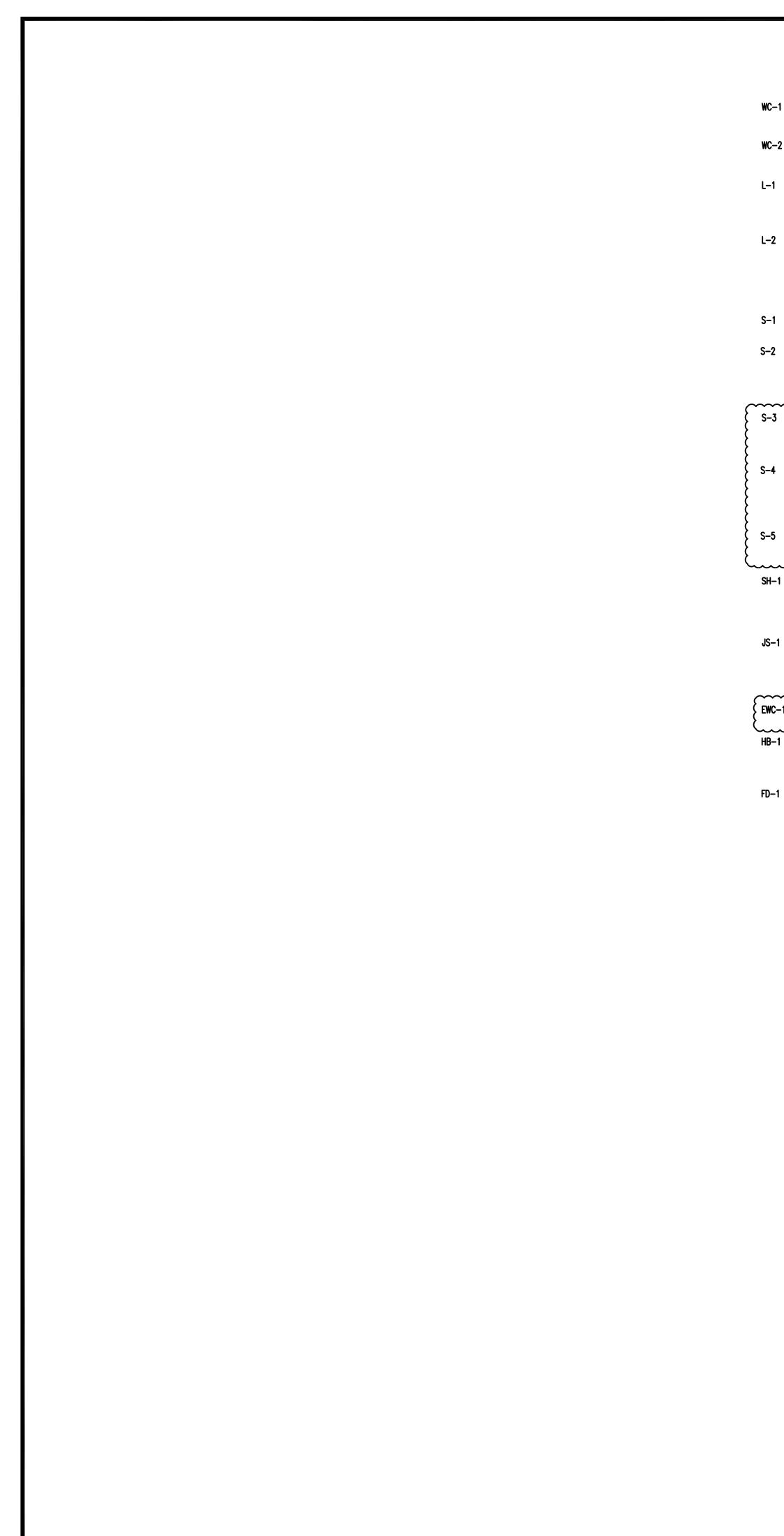
KEYPLAN

12'

TRUE NORTH

0 3'





	PLUMBING EQUIPMENT SCHEDULE		FD-2	JOSAM #30000-5A-2-17 FLOOR DRAIN, SATIN FINISH BRONZE TOP,
	MODEL NUMBERS ARE USED TO ESTABLISH PERFORMANCE REQUIREMENTS. EQUALS SHALL BE ACCEPTED			NON-CLOG STRAINER, SECURED GRATE; 4"DEEP SEAL TRAP, CLAMPING RING. SET RIM FLUSH WITH FINISH FLOOR.
			FS-1	JOSAM #49300 FLOOR SINK, 8" SQUARE CAST IRON WITH 5-7/8" DEEP SUMP, CLAMPING RING
	TOTO CT708E, ELONGATED VITREOUS CHINA WATER CLOSET (FLUSH VALVE WALL MTD., 1.28 GPF); SIPHON JET, BEMIS 1955SSCT ELONGATED SEAT, TOTO TET1LA32 SENSOR TOILET FLUSH VALVE; SIPHON JET CARRIER.		CO	JOSAM CLEANOUT FLOOR ROUND, SATIN BRONZE TOP, RECESSED PLUG.
	TOTO CT708E, ELONGATED VITREOUS CHINA WATER CLOSET (FLUSH VALVE WALL MTD., 1.28 GPF); SIPHON JET, BEMIS 1955SSCT ELONGATED SEAT, TOTO TET1LA32 SENSOR TOILET FLUSH VALVE; SIPHON JET CARRIER.		OIL/	WALL CHROME FLUSH WALL PLATE, RECESSED PLUG. ZURN Z1188 OIL INTERCEPTOR, 100 GPM. 110 GALLON
	AMERICAN STANDARD LUCERNE #0356.041, VITREOUS CHINA; MOEN 8210F15 FAUCET WITH WHEELCHAIR OFFSET GRID DRAIN STRAINER		SEDIMENT TRAP	
	AND ANGLE SUPPLIES WITH LOOSE KEY STOPS; PROVIDE ZURN Z1231 CARRIER. PROVIDE THERMOSTATIC MIXING VALVE, WILKINS MODEL ZW1070 AND P-TRAP.		ST-1	ZURN Z1187—SI SEDIMENT INTERCEPTOR, 20 GPM FLOW RATE, 60 GALLON STATI CAPACITY
	AMERICAN STANDARD AQUALYN 0475.020, VITREOUS CHINA; MOEN FAUCET MODEL NO. 8210F15 WITH WHEELCHAIR OFFSET; GRID DRAIN STRAINER,		E <b>W</b> -1	HAWS MODEL 7360B-7460B EMERGENCY EYE WASH OR EQUAL WITH THERMOSTATIC MIXING VALVE
	AND ANGLE SUPPLIES WITH LOOSE KEY STOPS. PROVIDE TRUBRO #102W PRE- MOLDED INSULATION KIT INSULATING BOTH SUPPLIES AND DRAIN. PROVIDE THERMOSTATIC MIXING VALVE, WILKINS MODEL ZW1070, ASSE 1070 COMPLIANT.		WMB	ABS BOXES, ONE BOX WITH CENTER DRAIN AND ONE BOX WITH TWO WATER VAL & WATER HAMMER ARRESTORS. PROVIDE FLANGED BOXES SUITABLE FOR DRYWAL
			TD-1	ZURN Z884 4" WIDE TRENCH DRAIN SYSTEM, 3.25" THROAT; CHANNEL TO
	FIAT FL-1 MOLDED STONE SERV-A-SINK; FIAT A-1 DECK MOUNTED FAUCET, CHROME P-TRAP AND SUPPLIES. ELKAY #LRAD-2522 LUSTERSTONE STAINLESS STEEL SINGLE BOWL			HAVE 1.04% BUILT—IN SLOPE & INVERT TO BE DETERMINED BY CONTRACTOR; PROVIDE WITH 2" END OUTLET, CAST IRON SLOTTED GRATE AND END CAP. TRENCH DRAIN TOTAL LENGTH SHALL BE 8'-0".
	HANDICAP KITCHEN SINK, 18 GA., TYPE 304 STAINLESS STEEL SINGLE BOWL HANDICAP KITCHEN SINK, 18 GA., TYPE 304 STAINLESS SELF RIM, 4—HOLE, 6—1/2 DEEP; #420 DELTA FAUCET WITH 8" SPOUT, SINGLE LEVER CONTROL AND SPRAY ATTACHMENT, CHROME P—TRAP AND SUPPLIES, #LK35 STRAINERS.		HWH—1	STATE PCE-6-10MSA-25 ELECTRIC WATER HEATER, SINGLE ELEMENT, 10 GAL. CAPACITY TANK, 10 GAL/HR RECOVERY AT 40 DEG. F. AND 100 DEG.F. RISE, 2500 W; 230/1; T&P RELIEF VALVE.
~~	BUY-RITE ICON BACKWASH UNIT, BLACK BOWL; WITH DUAL FUNCTION NOZZLE, VACUUM BREAKER, #8750 JR SMITH HAIR INTERCEPTOR, CHROME P-TRAP AND SUPPLIES, PROVIDE THERMOSTATIC MIXING VALVE, WILKINS MODEL ZW1070,		HWH-2	STATE PCE-6-10MSA-15 ELECTRIC WATER HEATER, SINGLE ELEMENT, 10 GAL. CAPACITY TANK, 6 GAL/HR RECOVERY AT 40 DEG. F. AND 100 DEG.F. RISE, 1500 W; 230/1; T&P RELIEF VALVE.
	ASSE 1070 COMPLIANT ELKAY #LRAD-2522 LUSTERSTONE STAINLESS STEEL SINGLE BOWL HANDICAP KITCHEN SINK, 18 GA., TYPE 304 STAINLESS SELF		HWH-3	STATE PCE-20-10MSA-35 ELECTRIC WATER HEATER, SINGLE ELEMENT, 10 GAL. CAPACITY TANK, 14 GAL/HR RECOVERY AT 40 DEG. F. AND 100 DEG.F. RISE, 3500 W; 230/1; T&P RELIEF VALVE.
	RIM, 4—HOLE, 6—1/2 DEEP; #420 DELTA FAUCET WITH 8" SPOUT, SINGLE LEVER CONTROL, CHROME P—TRAP AND SUPPLIES, #LK35 STRAINERS, WILKINS ZW1070 TMV, HAWS 7610 EYE WASH.		HWH-4	STATE SUF119-400E GAS FIRED WATER HEATER, 119 GALLON CAPACITY TANK, 460 GAL/HR RECOVERY AT 40 DEG. F. ENT. AND 100 DEG.F. RISE, 120V/1ø; 399.9 MBH; ASME RATED, T&P RELIEF VALVE.
~~	ELKAY #EWMA4820C STAINLESS STEEL MULTIPLE STATION HAND WASH SINK 14 GA., WALL MOUNT WITH LK18B DRAIN AND TWO LK940GN05T4H FAUCETS; OFFSET TAIL PIECE, CHROME P-TRAP AND SUPPLIES		HWH-5	STATE CSB-53-135-SFE ELECTRIC WATER HEATER, THREE ELEMENTS, 50 GAL. CAPACITY TANK, 55 GAL/HR RECOVERY AT 40 DEG. F. AND 100 DEG.F. RISE, 13500 W; 230/1; T&P RELIEF VALVE.
	FREEDOM SHOWERS APFQ6337BF875, 63X38 SHOWER COMPLETE PACKAGE TO INCLUDE CURTAIN ROD, SEAT, GRAB BARS, DRAIN; MOEN 2352 SINGLE HANDLE SHOWER VALVE WITH SHOWER HEAD, PRESSURE BALANCED. COLOR TO BE WHITE.		Ч <b>ш</b> н-6	STATE PCE-20-10MSA-4 ELECTRIC WATER HEATER, SINGLE ELEMENT, 20 GAL. CAPACITY TANK, 17 GAL/HR RECOVERY AT 40 DEG. F. AND 100 DEG.F. RISE, 4000 W; 230/1; T&P RELIEF VALVE.
	FIAT #MSB-2424 MOLDED STONE MOP SERVICE BASIN, 24"x24"x10"; #830-AA WALL MTD FAUCET W/VACUUM BREAKER & BUCKET HOOK; #832-AA HOSE & BRACKET, #E-77-AA VINYL BUMPER GUARD.		HWH-7	STATE PCE-40-20LSA-5 ELECTRIC WATER HEATER, SINGLE ELEMENT, 40 GAL. CAPACITY TANK, 21 GAL/HR RECOVERY AT 40 DEG. F. AND 100 DEG.F. RISE, 5000 W; 230/1; T&P RELIEF VALVE.
~~	#889-CC MOP HANGER & #QDC-3-2 QUICK DRAIN CONNECTOR, #MSG2424 STAINLESS STEEL WALL GUARDS.	$\sim$	HWH-8	STATE PCE-40-20LSA-5 ELECTRIC WATER HEATER, SINGLE ELEMENT, 40 GAL. CAPACITY TANK, 21 GAL/HR RECOVERY AT 40 DEG. F. AND 100 DEG.F. RISE, 5000 W; 230/1; T&P RELIEF VALVE.
	OASIS #PGF8EBFSLTT TOUCHLESS TWO STATION ELECTRIC WATER COOLER, STAINLESS STEEL, LEAD FREE WORKING COMPONENTS; 8.0 GPH CAPACITY AND 4.6 AMPS.	}A	SP-1	ZOELLER N153 SUMP PUMP, 1/2 HP., 120/1 PHASE,
~~	CHICAGO FAUCETS 293-E27CP INSIDE SILL FITTING, POLISHED CHROME PLATED FINISH SOLID BRASS BODY CONSTRUCTION, 2-1/4" TEE HANDLE, 1/2", NPT FEMALE INLET, 3/4" MALE GARDEN HOSE THREAD OUTLET, SLOW COMPRESSION RENEWABLE CARTRIDGE, VACUUM BREAKER.			50 GPM AT 20 FT. HEAD, $1-1/2$ " EFFLÜENT, DIAPHRAGM PRESSURE SWITCH, PROVIDE DISCONNECT. UNIT TO BE HYDRAULIC FLUID SENSING TYPE WITH ALARM PANEL.
	JOSAM #30000-5A-2-17 FLOOR DRAIN, SATIN FINISH BRONZE TOP, NON-CLOG STRAINER, SECURED GRATE; 4"DEEP SEAL TRAP. SET RIM FLUSH WITH FINISH FLOOR.		RPZ	WATTS #909 REDUCED PRESSURE ZONE BACKFLOW PREVENTOR, BRONZE CONSTRUCTION, EPOXY COATED CAST IRON CHECK VALVE BODY WITH BRONZE SEATS, FDA APPROVED EPOXY COATED CAST IRON RELIEF VALVE WITH TRIM.
			HWRP-1	BELL & GOSSET #100 CIRCULATING PUMP, 1/12 HP., 120 VOLT, 15 GPM AT 7 FT. HEAD, BRONZE TOP.

#### PLUMBING FIXTURE INSTALLATION SCHEDULE

FIXTURE	MARK	МН	CW	HW	VENT	WASTE	
WATER CLOSET(HC)	WC-1	17 <b>"</b>	1"		2*	4"	
WATER CLOSET	WC-2	15 <b>"</b>	1"		2"	4 <b>"</b>	
LAVATORY	L-1	34"	1/2"	1/2"	1-1/2"	2"	
LAVATORY	L-2	COUNTER	1/2"	1/2"	1-1/2"	2"	
JANITOR SINK	JS-1	FLOOR	1/2"	1/2"	1-1/2"	2"	
SHOWER	SH-1	72 <b>"(</b> A)	1/2"	1/2"	-	-	
ELECTRIC WATER COOLER	EWC-1	36 <b>*</b> (B)	1/2"		1-1/2"	2"	
SINK	S-1	FLOOR	1/2"	1/2"	1-1/2"	2"	
SINK	S-2	COUNTER	1/2"	1/2"	1-1/2"	2"	
{ SINK	S-3	FLOOR	1/2"	1/2"	1-1/2"	2"	
SINK	S-4	COUNTER	1/2"	1/2"	1-1/2"	2"	
SINK	S-5	34"	1/2"(2)	1/2"(2)	) 1-1/2"	2"	

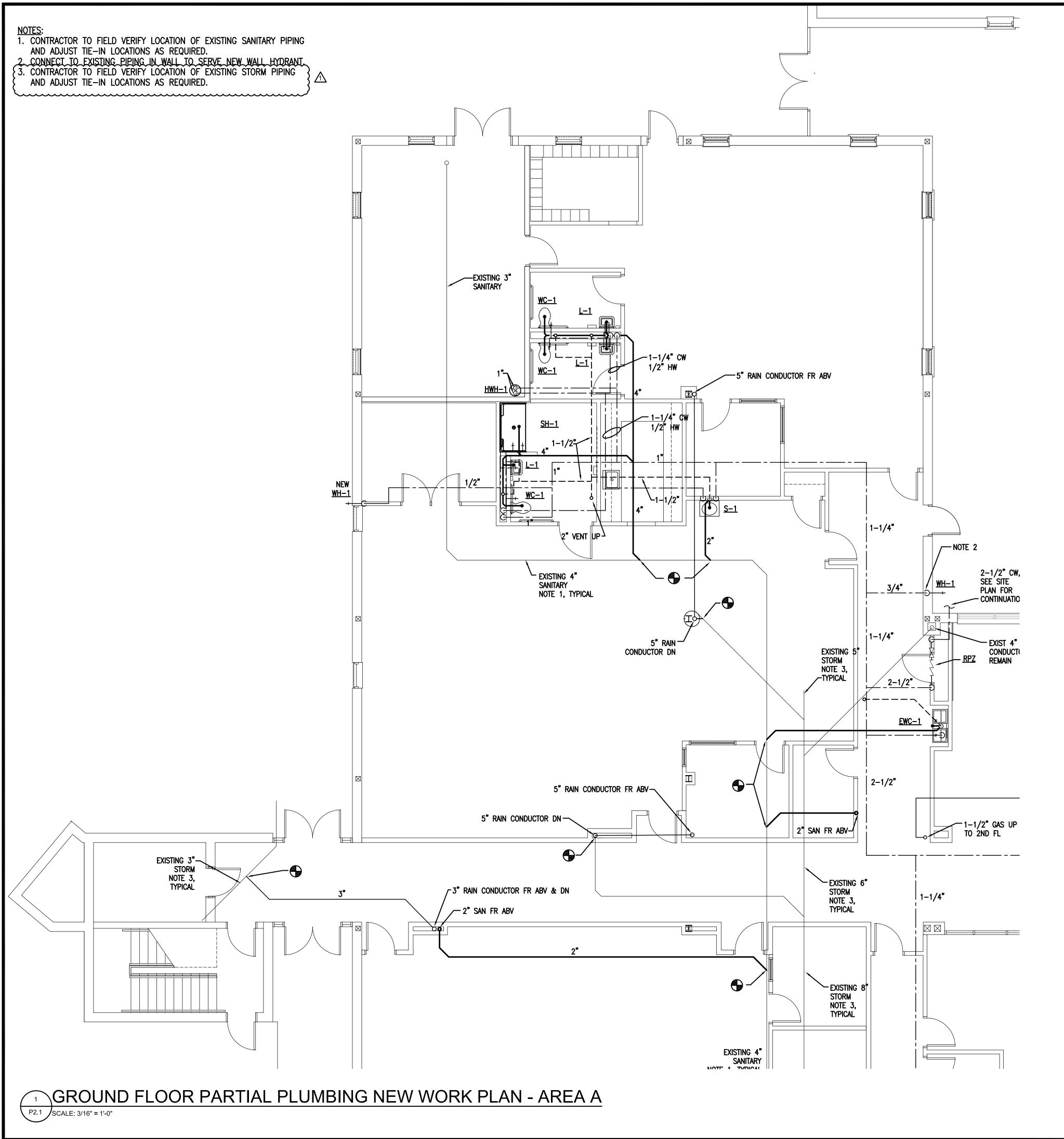
<u>NOTES</u>
1. SIZE GIVEN ARE FOR FIXTURE ONLY. EXCEPTIONS, IF ANY, ARE SHOWN ON PLANS.
2. MOUNTING HEIGHT DIMENSIONS ARE TO FLOOD LEVEL RIM OF FIXTURE, UNLESS NOTED OTHERWISE.

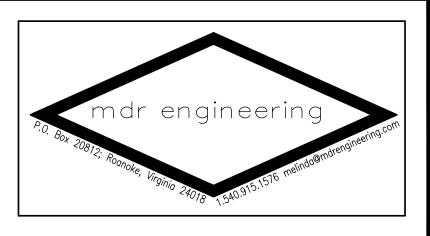
- (A) MOUNTING HEIGHT TO SHOWER HEAD
- (B) MOUNTING HEIGHT TO LOWER SPOUT OUTLET.

ALL PUBLIC FAUCETS SHALL BE PROVIDED WITH TEMPERING VALVE, WILKINS MODEL #ZW1070 OR EQUAL AS REQUIRED.

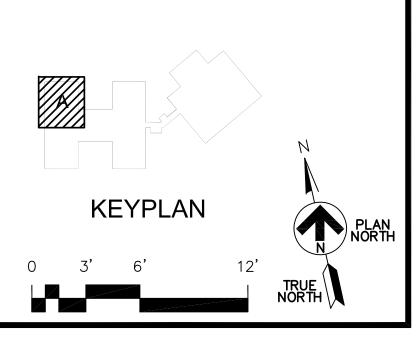
WALL INSTALLATION       RL       NAIN LEADER ABOVE LOWEST FLOOR         SD       STORM SEWER OR DRAIN         OC       CLEANOUT FLUSH WITH FLOOR         CO       CLEANOUT BELOW FLOOR         +	MALL INSTALLITION       RL       NAIN LEADER ABOVE LOWEST FLOOR         SD       STORM SEWER OR DRAIN         CO       CLEANOUT FLUSH WITH FLOOR         CO       CLEANOUT BELOW FLOOR         +		LEGEND BRANCH CONNECTION - BOTTOM OF MAIN BRANCH CONNECTION - SIDE OF MAIN BRANCH CONNECTION - TOP OF MAIN PIPE DOWN OR PIPE FROM BELOW PIPE UP OR PIPE FROM ABOVE DIRECTION OF FLOW DOMESTIC COLD WATER DOMESTIC HOT WATER SPRINKLER HEAD SANITARY SEWER OR DRAIN SANITARY VENT
ABV       ABVVE         BTU       BRITISH THERMAL UNIT         BEL       BELOW         BET       BETWEEN         CLG       CELING         CONC       CONCRETE         CONN       CONNECT, CONNECTION         CW       COLD WATER         CONT       CONTINUED         DN       DOWN         EACH       EWC         EWC       ELECTRIC WATER COOLER         F       DEGREES FARENHEIT         FD       FLOOR DRAIN         FL       FLOOR         FT       FEET         GPM       GALLONS PER MINUTE         GV       GATE VALVE         HB       HOSE BIBB         HW       HOT WATER         IN       INCH, INCHES         MAX       MAXIMUM         MIN       MINUMUM         REQD       REQUIRED         RL       ROOF LEADER         SH       SHEET         TEMP       TEMPERATURE         TYP       TYPICAL         V       SANITARY VENT	ABV ABOVE BTU BRITISH THERMAL UNIT BEL BELOW BET BETWEEN CLG CELLING CONC CONCRETE CONN CONNECT, CONNECTION CW COLD WATER CONT CONTINUED DN DOWN EA EACH EWC ELECTRIC WATER COOLER F DEGREES FARENHEIT FD FLOOR DRAIN FL FLOOR FR FROM FT FEET GPM GALLONS PER MINUTE GV GATE VALVE HB HOSE BIBB HW HOT WATER IN INCH, INCHES MAX MAXIMUM MIN MINUMUM MIN MINUMUM MIN MINUMUM MIN MINUMUM RD ROOF DRAIN REQD REQUIRED RL ROOF LEADER SH SHEET TEMP TEMPERATURE TYP TYPICAL V SANITARY WASTE	ALL INSIALLANION. R; 	<ul> <li>RAIN LEADER ABOVE LOWEST FLOOR</li> <li>STORM SEWER OR DRAIN</li> <li>CLEANOUT FLUSH WITH FLOOR</li> <li>CLEANOUT BELOW FLOOR</li> <li>HOSE BIBBS (PLAN &amp; ELEVATION)</li> <li>GATE VALVE</li> <li>BALL VALVE</li> <li>THERMOMETER</li> <li>PRESSURE REDUCING VALVE (PRV)</li> <li>RELIEF VALVE</li> <li>BACKFLOW PREVENTER (BFP)</li> <li>CONNECT TO EXISTING</li> </ul>
YPE GPM GALLONS PER MINUTE GV GATE VALVE HB HOSE BIBB HW HOT WATER IN INCH, INCHES MAX MAXIMUM MIN MINUMUM RD ROOF DRAIN REQD REQUIRED RL ROOF LEADER SH SHEET TEMP TEMPERATURE TYP TYPICAL V SANITARY VENT	FTFEETGPMGALLONS PER MINUTEGVGATE VALVEHBHOSE BIBBHWHOT WATERININCH, INCHESMAXMAXIMUMMINMINUMUMRDROOF DRAINREQDREQUIREDRLROOF LEADERSHSHEETTEMPTEMPERATURETYPTYPICALVSANITARY VENTVTRVENT THRU ROOFWSANITARY WASTE	7	ABVABOVEBTUBRITISH THERMAL UNITBELBELOWBETBETWEENCLGCEILINGCOCLEANOUTCONCCONCRETECONNCONNECT, CONNECTIONCWCOLD WATERCONTCONTINUEDDNDOWNEAEACHEWCELECTRIC WATER COOLERFDEGREES FARENHEITFDFLOOR DRAINFLFLOOR
W SANITARY WASTE		Έ	GPMGALLONS PER MINUTEGVGATE VALVEHBHOSE BIBBHWHOT WATERININCH, INCHESMAXMAXIMUMMINMINUMUMRDROOF DRAINREQDREQUIREDRLROOF LEADERSHSHEETTEMPTEMPERATURETYPTYPICALVSANITARY VENTVTRVENT THRU ROOFWSANITARY WASTE

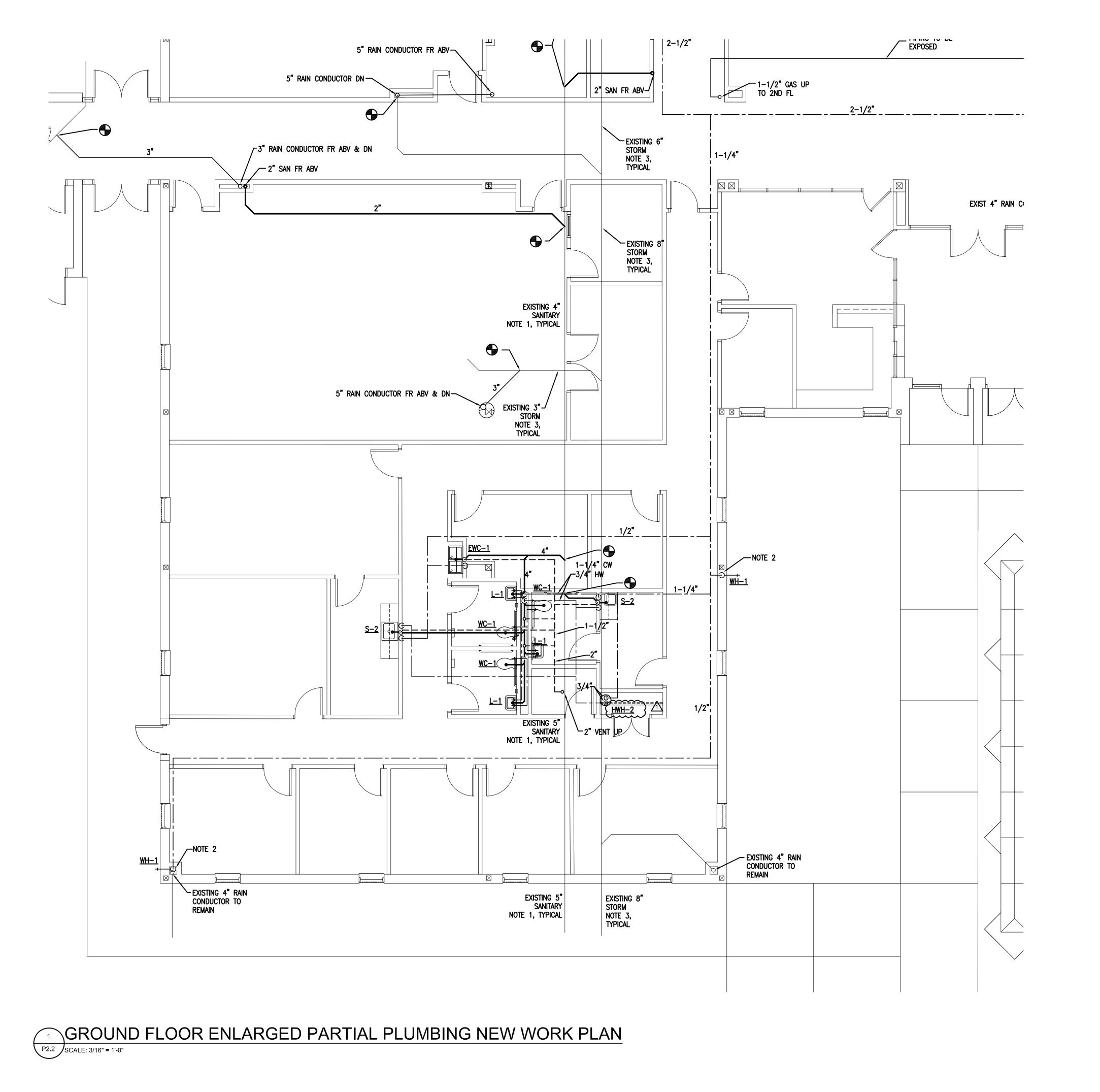


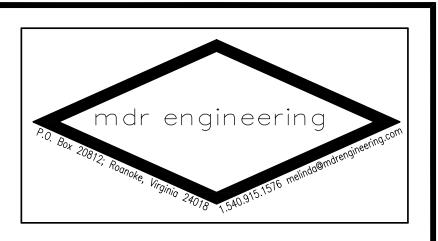












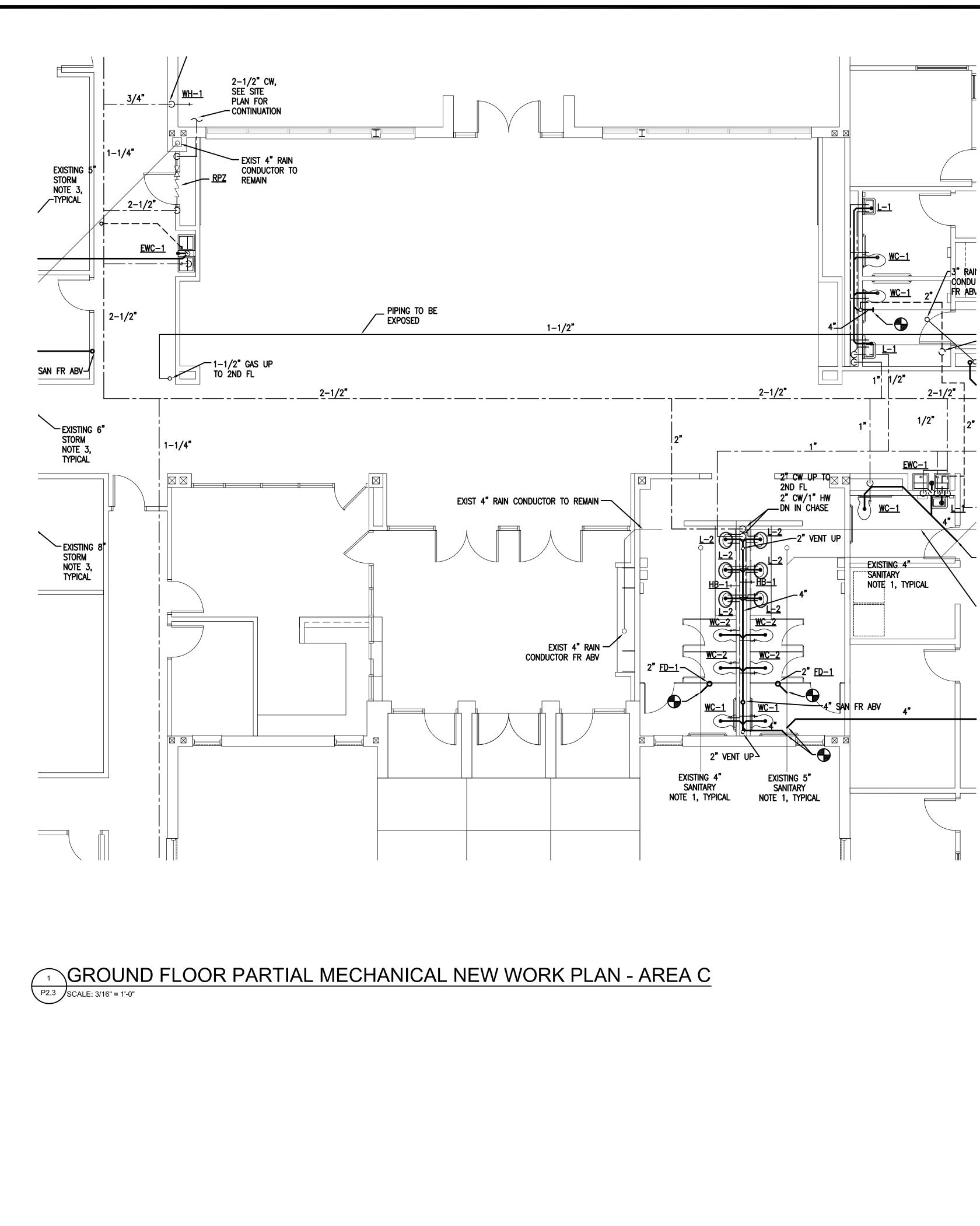
<u>NOTES</u>: 1. CONTRACTOR TO FIELD VERIFY LOCATION OF EXISTING SANITARY PIPING AND ADJUST TIE-IN LOCATIONS AS REQUIRED. 2. CONNECT TO EXISTING PIPING IN WALL TO SERVE NEW WALL HYDRANT. 3. CONTRACTOR TO FIELD VERIFY LOCATION OF EXISTING STORM PIPING AND ADJUST TIE-IN LOCATIONS AS REQUIRED.

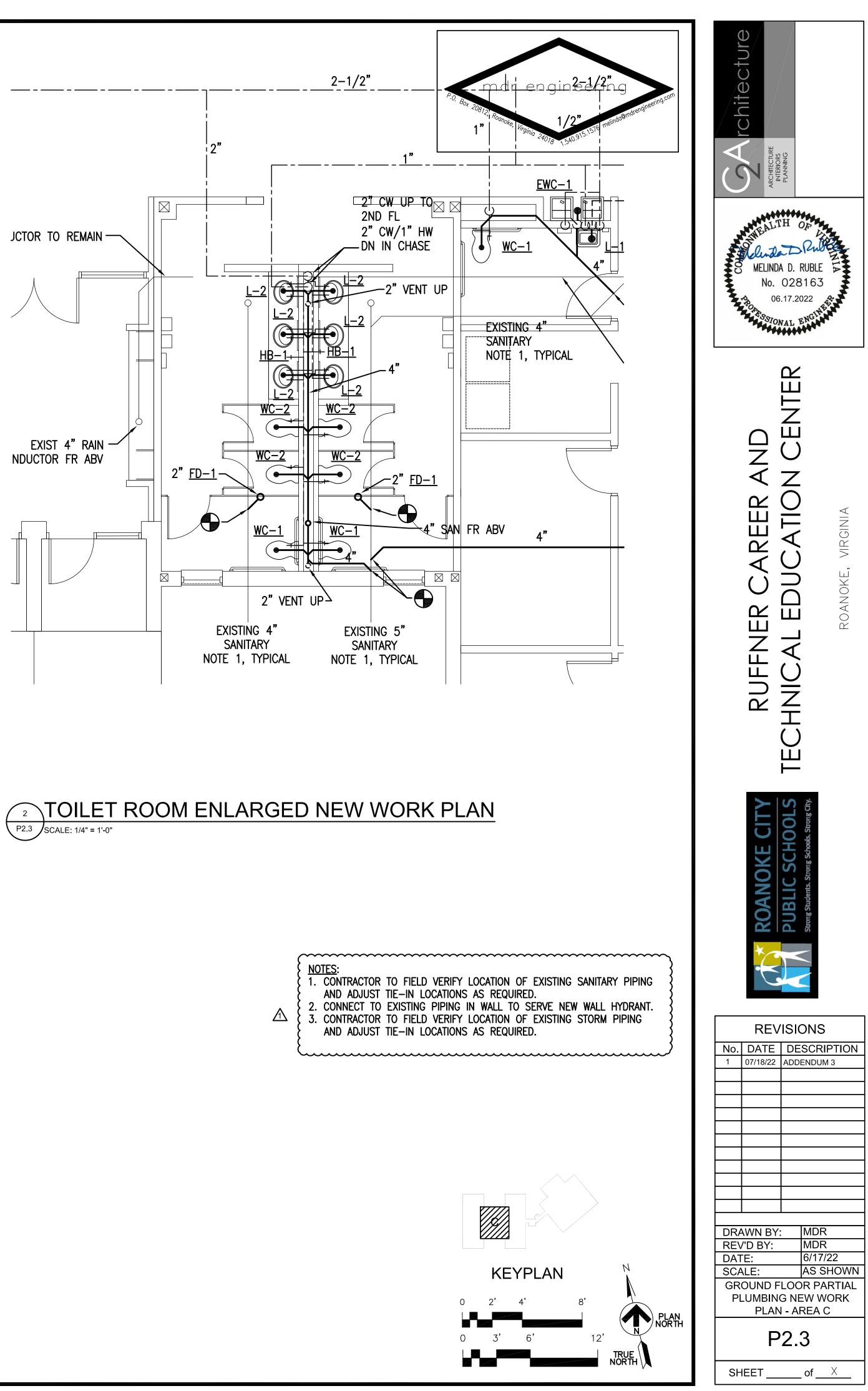
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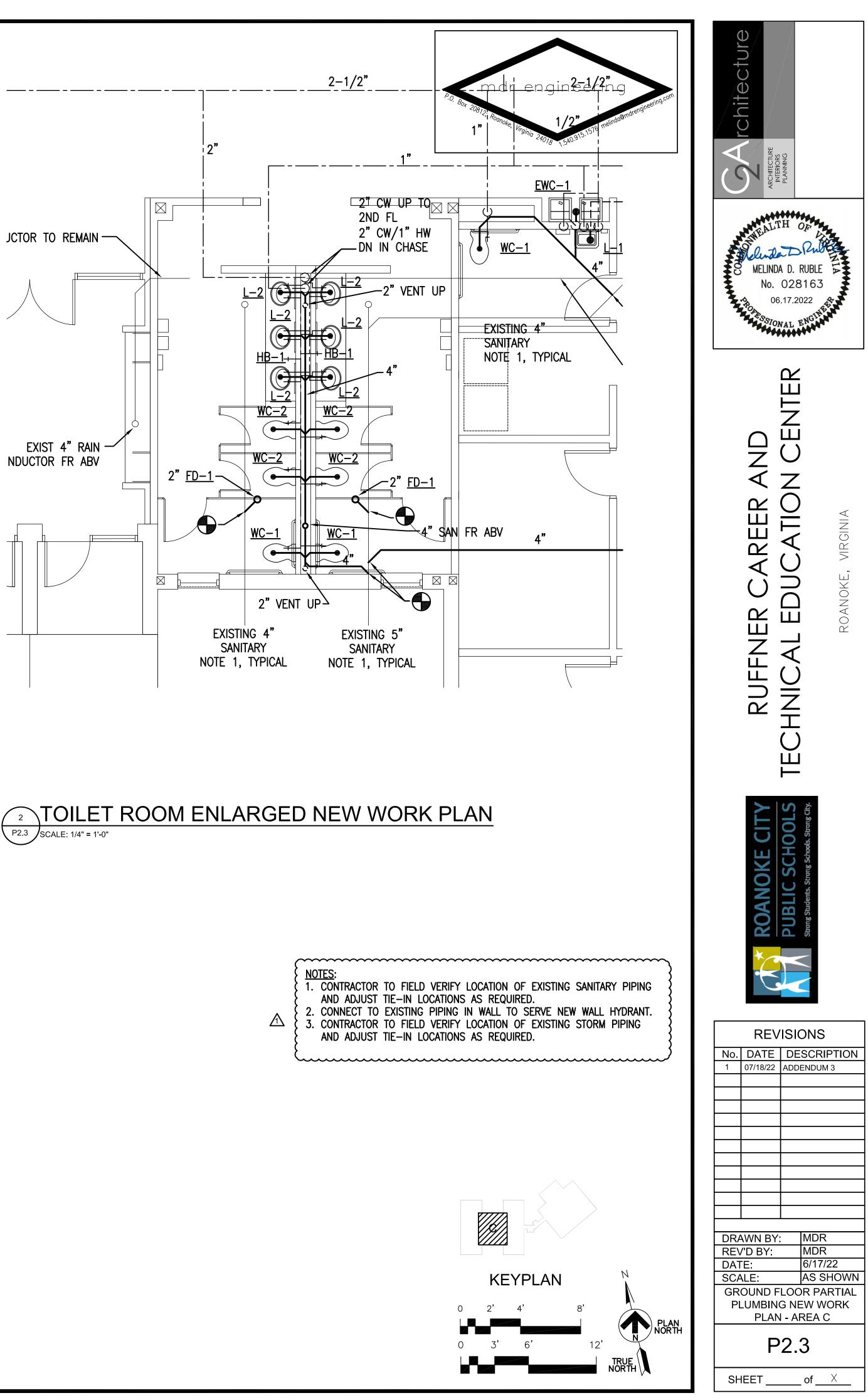


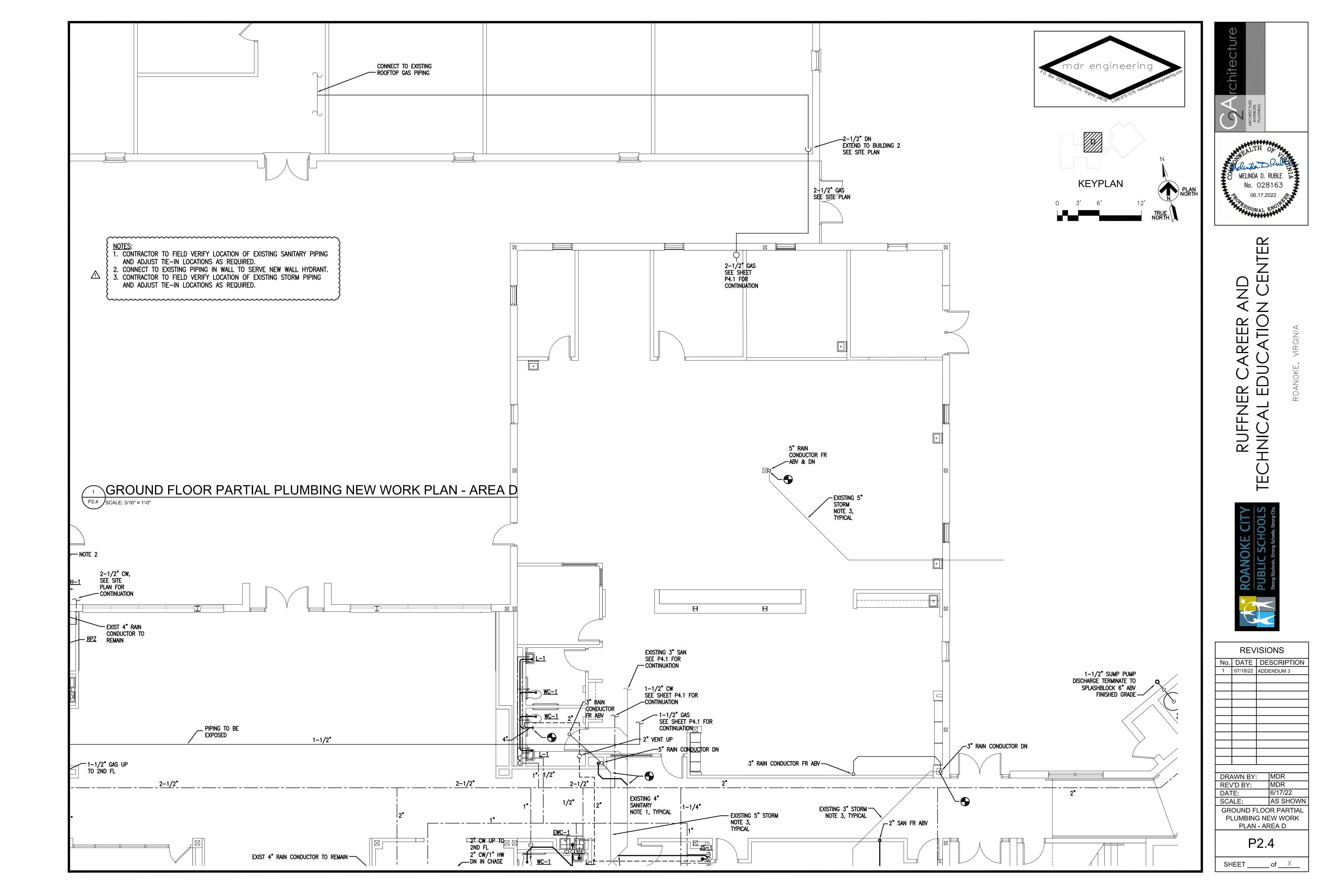
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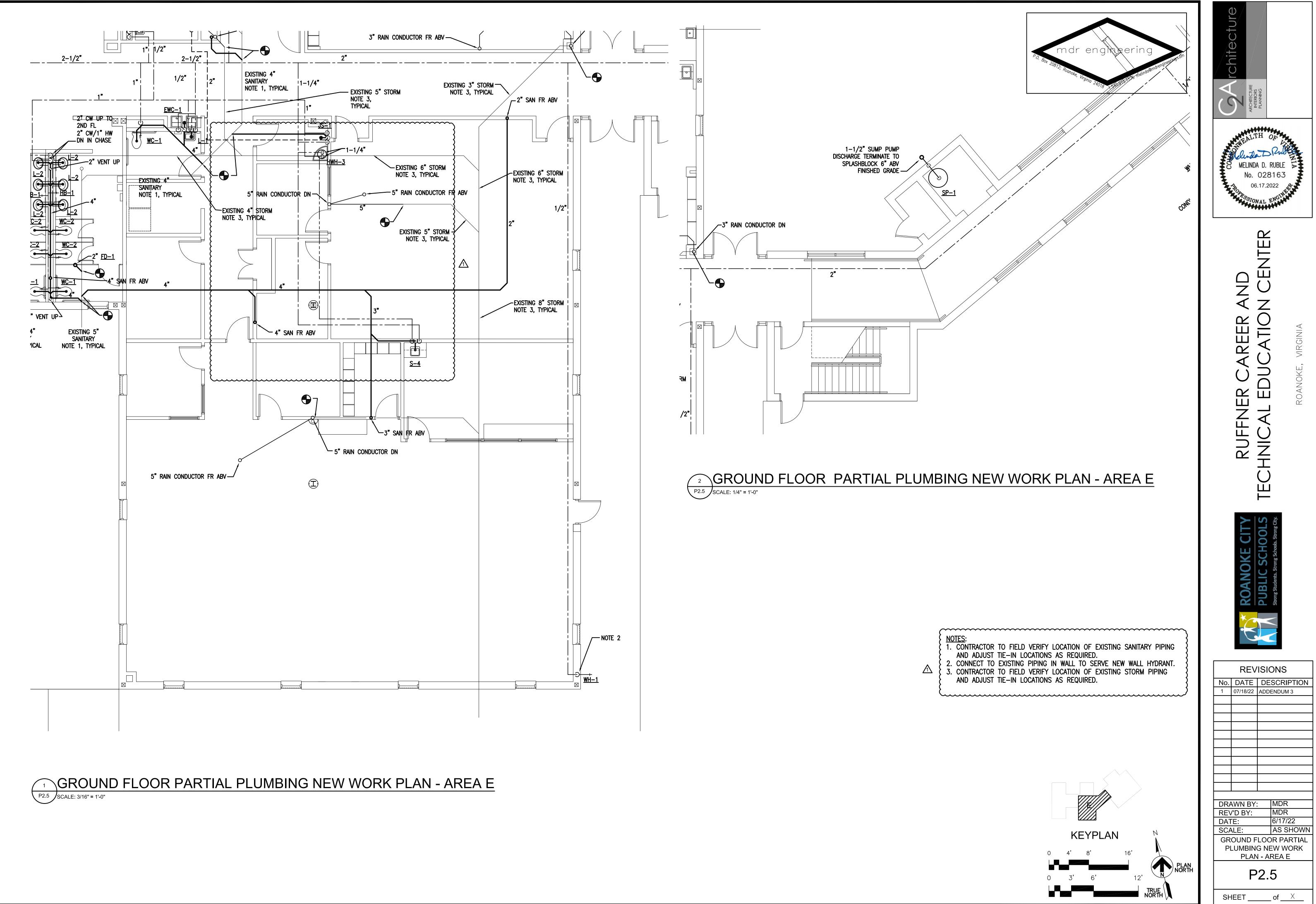
KEYPLAN         PI           0         3'         6'         12'           TRUE NORTH         TRUE NORTH	LAN DRTH

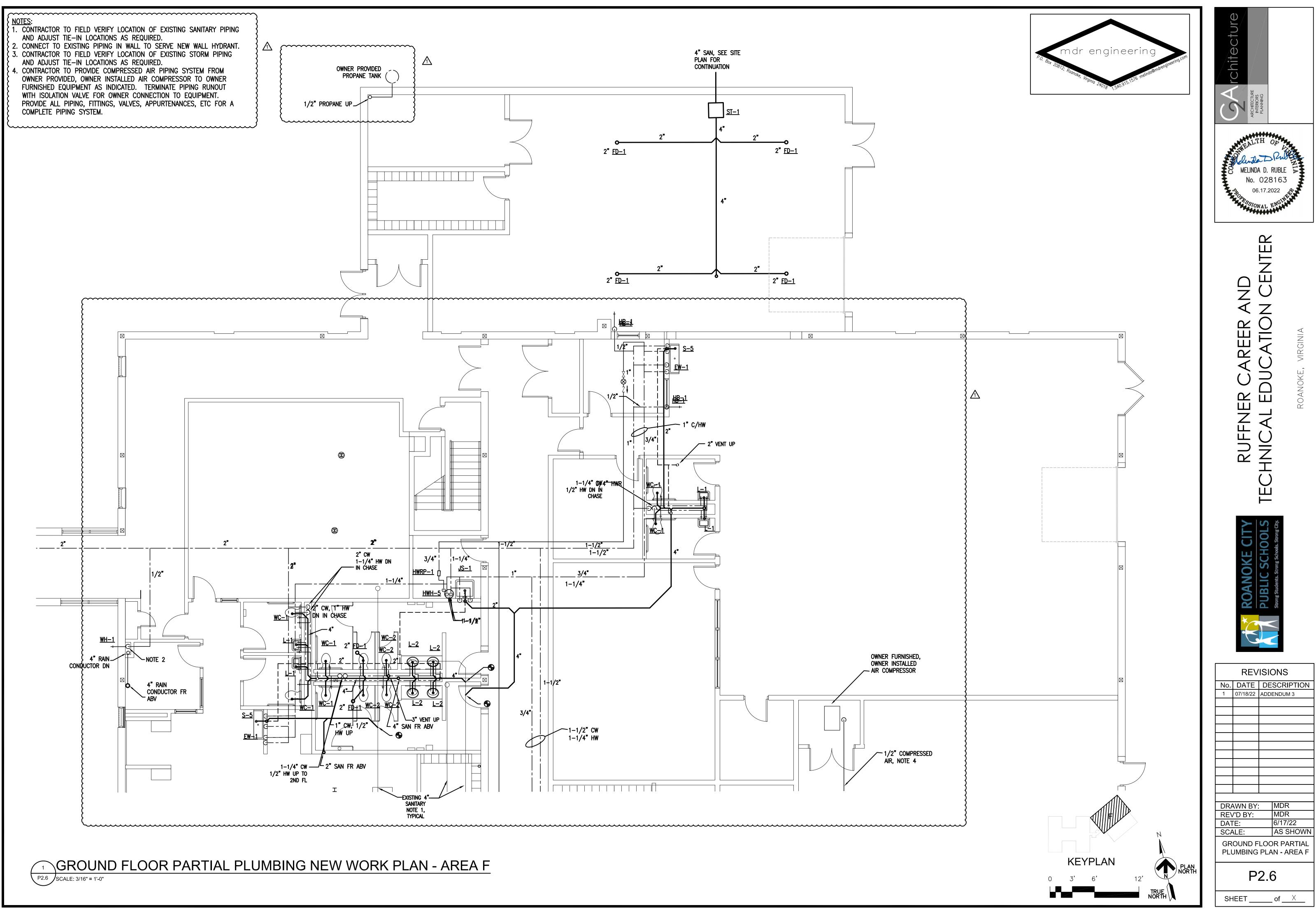


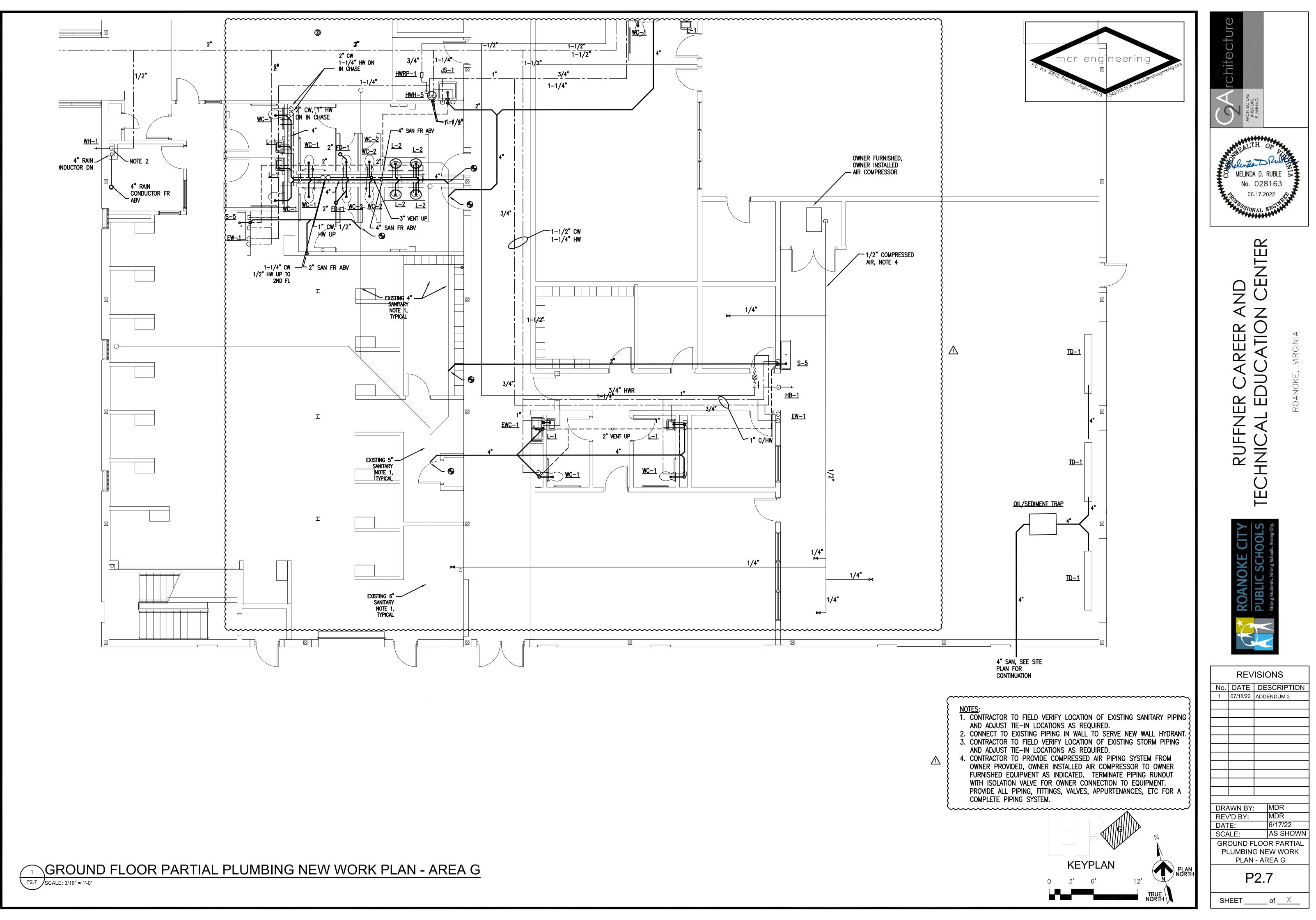


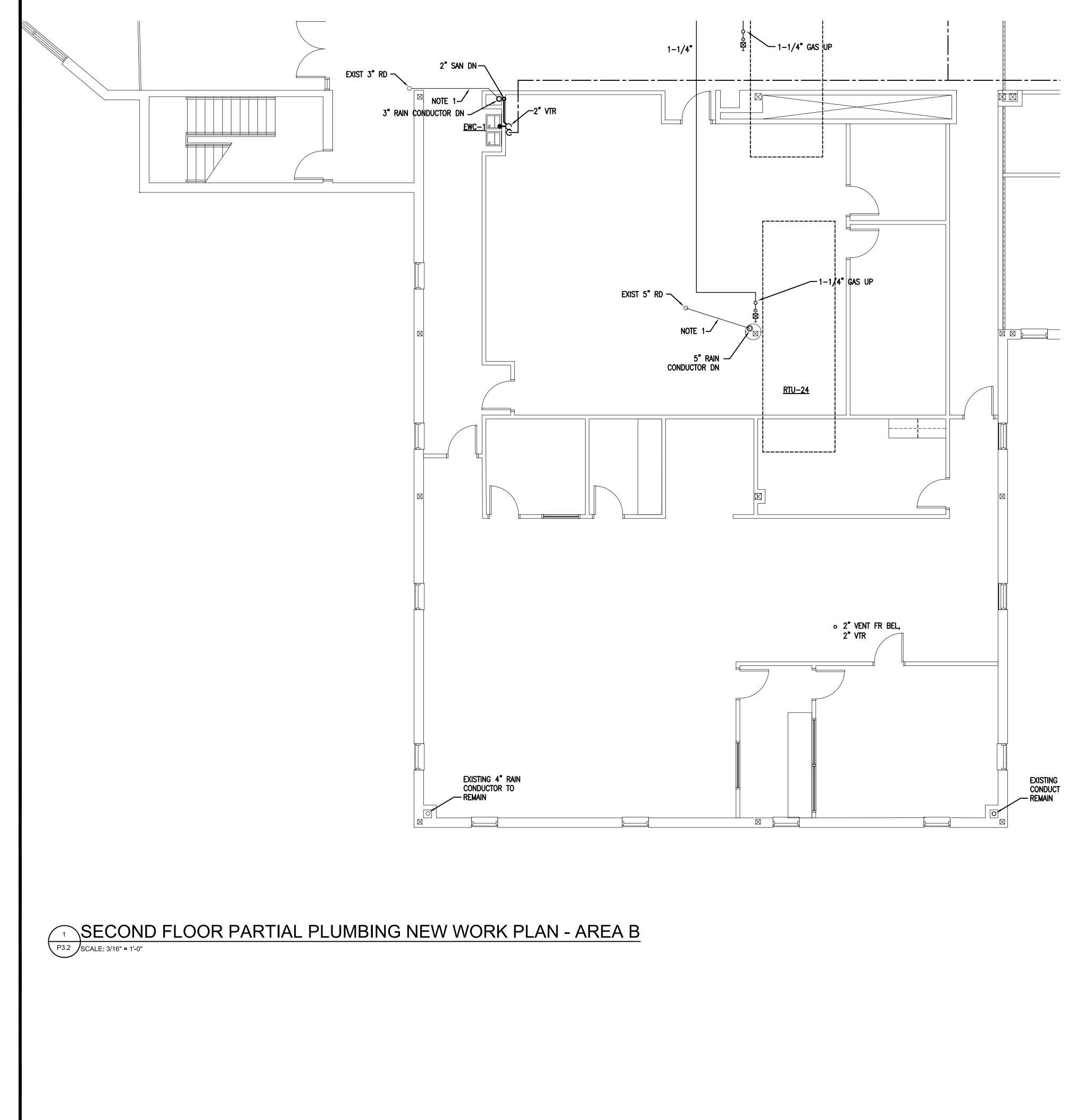


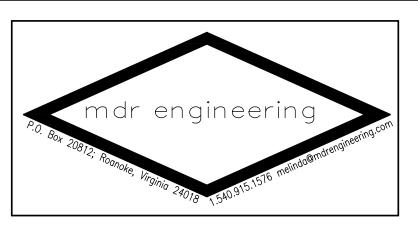








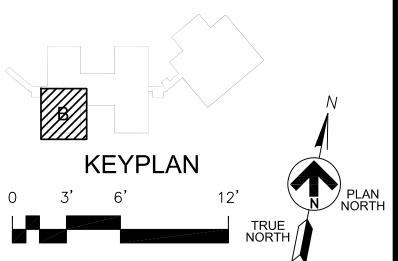


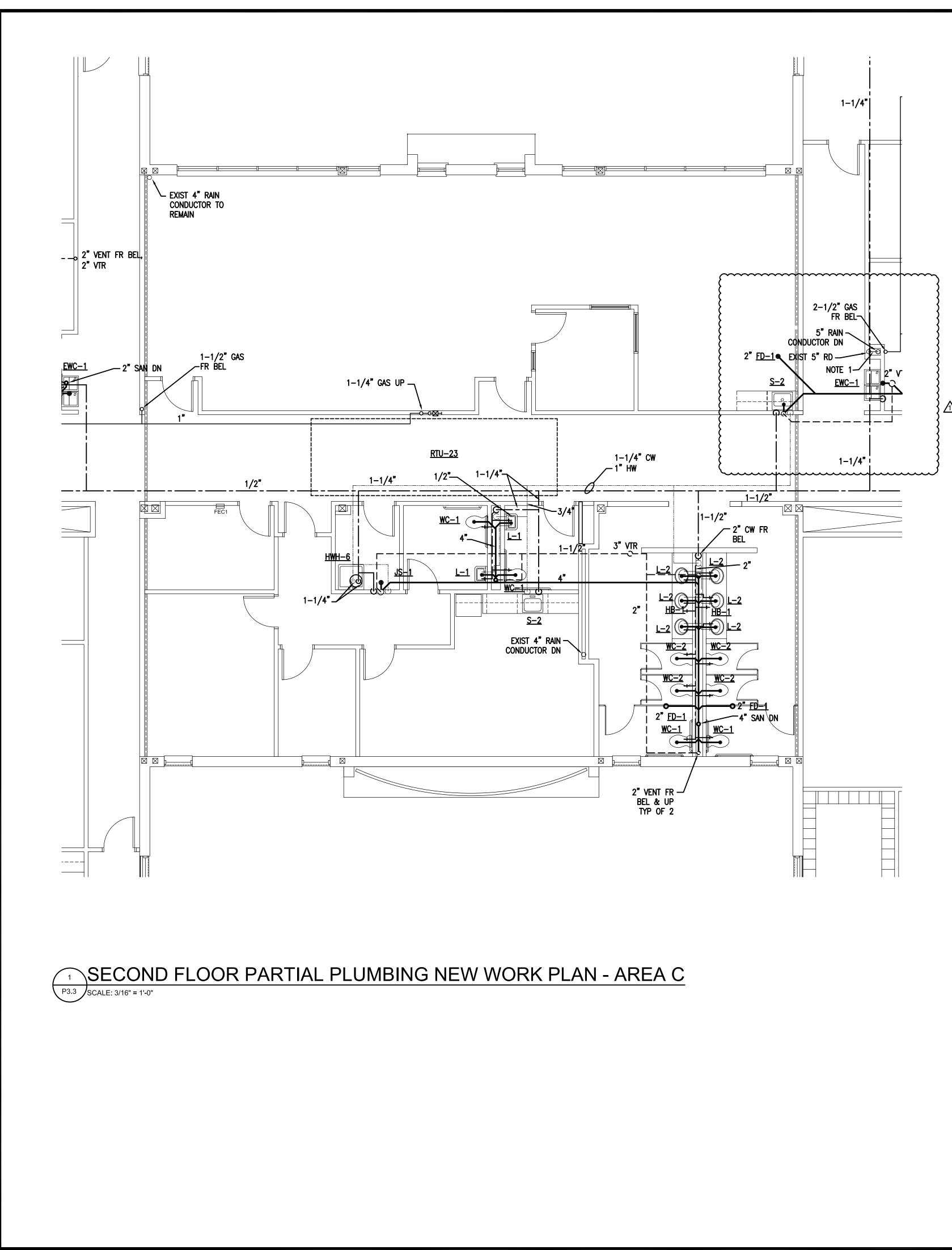


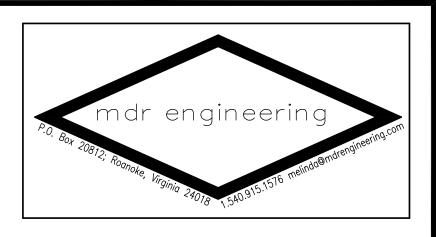
<u>NOTES</u>: 1. EXTEND NEW RAIN CONDUCTOR FROM EXISTING ROOF DRAIN TO NEW RISER. RAIN CONDUCTOR TO BE SIZE OF ROOF DRAIN.

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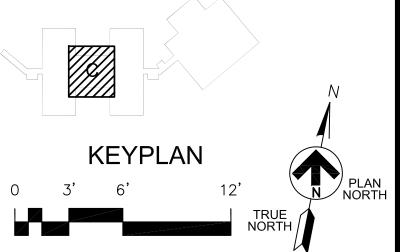


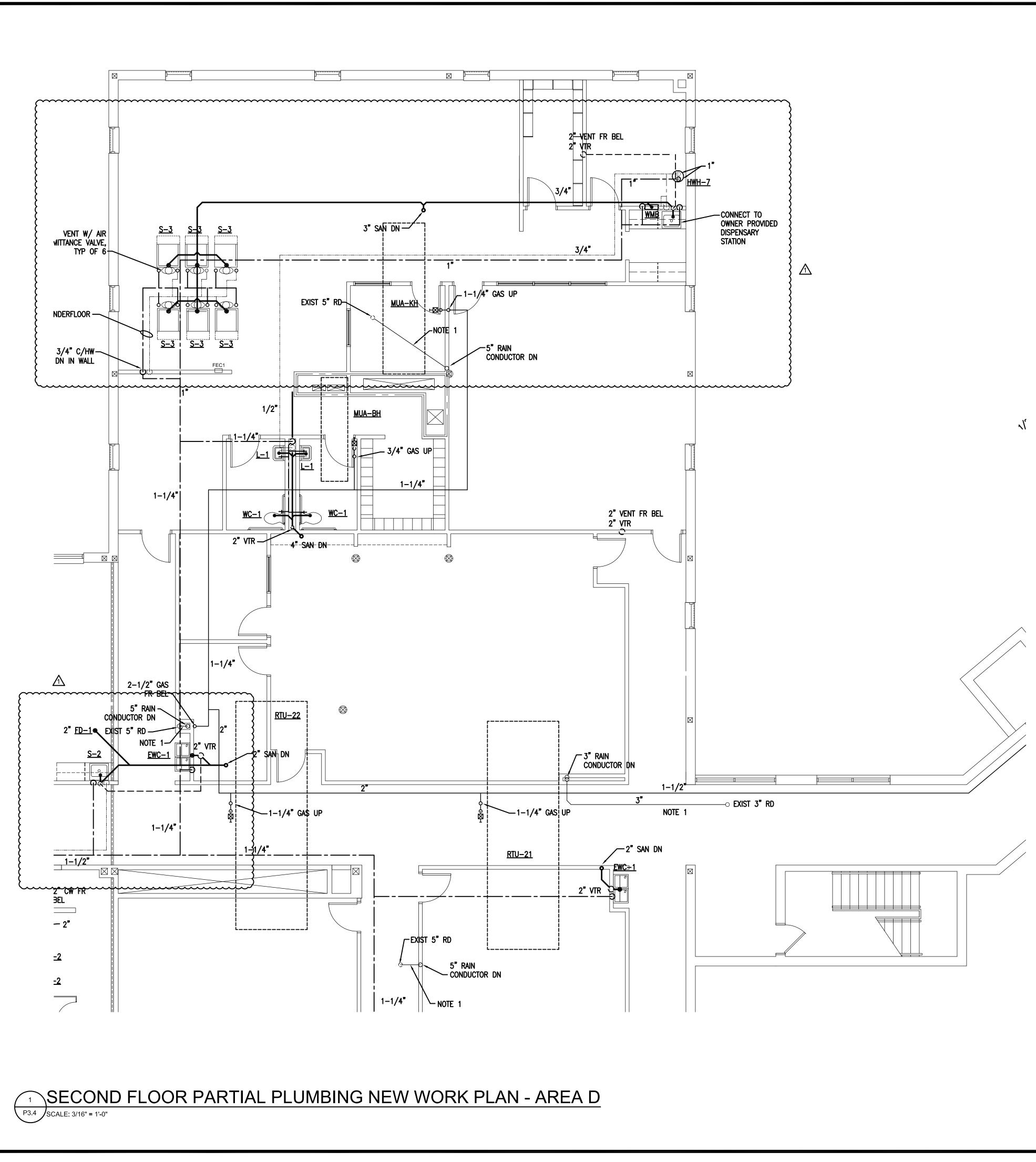
NOTES: 1. EXTEND NEW RAIN CONDUCTOR FROM EXISTING ROOF DRAIN TO NEW RISER. RAIN CONDUCTOR TO BE SIZE OF ROOF DRAIN.

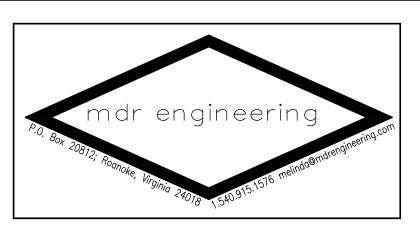
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P3.3





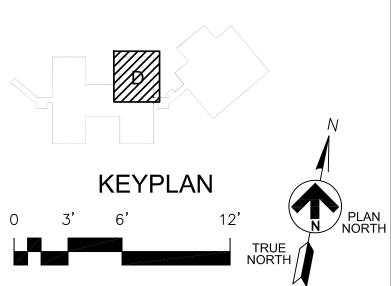


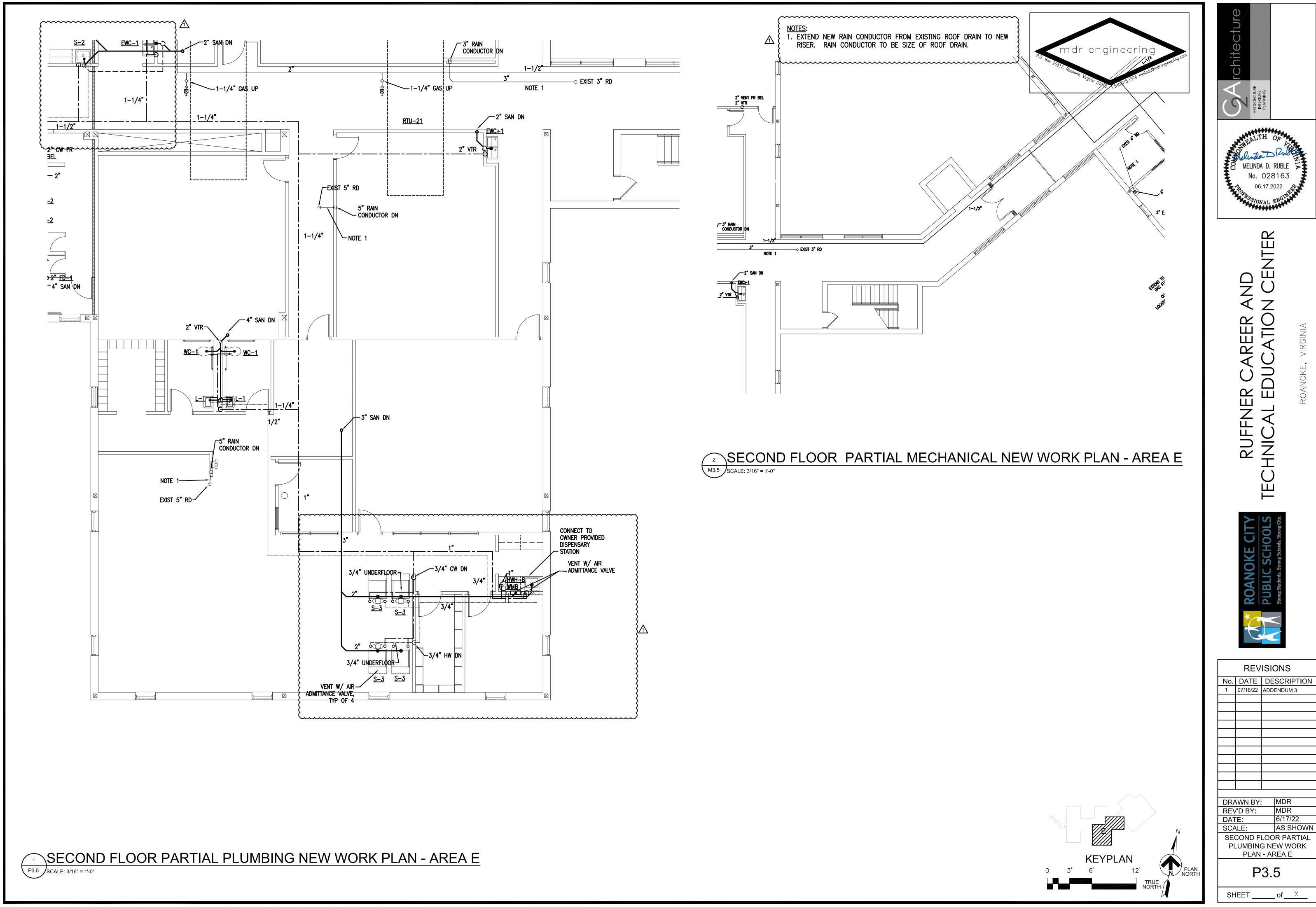
**NOTES** 1. EXTEND NEW RAIN CONDUCTOR FROM EXISTING ROOF DRAIN TO NEW RISER. RAIN CONDUCTOR TO BE SIZE OF ROOF DRAIN.

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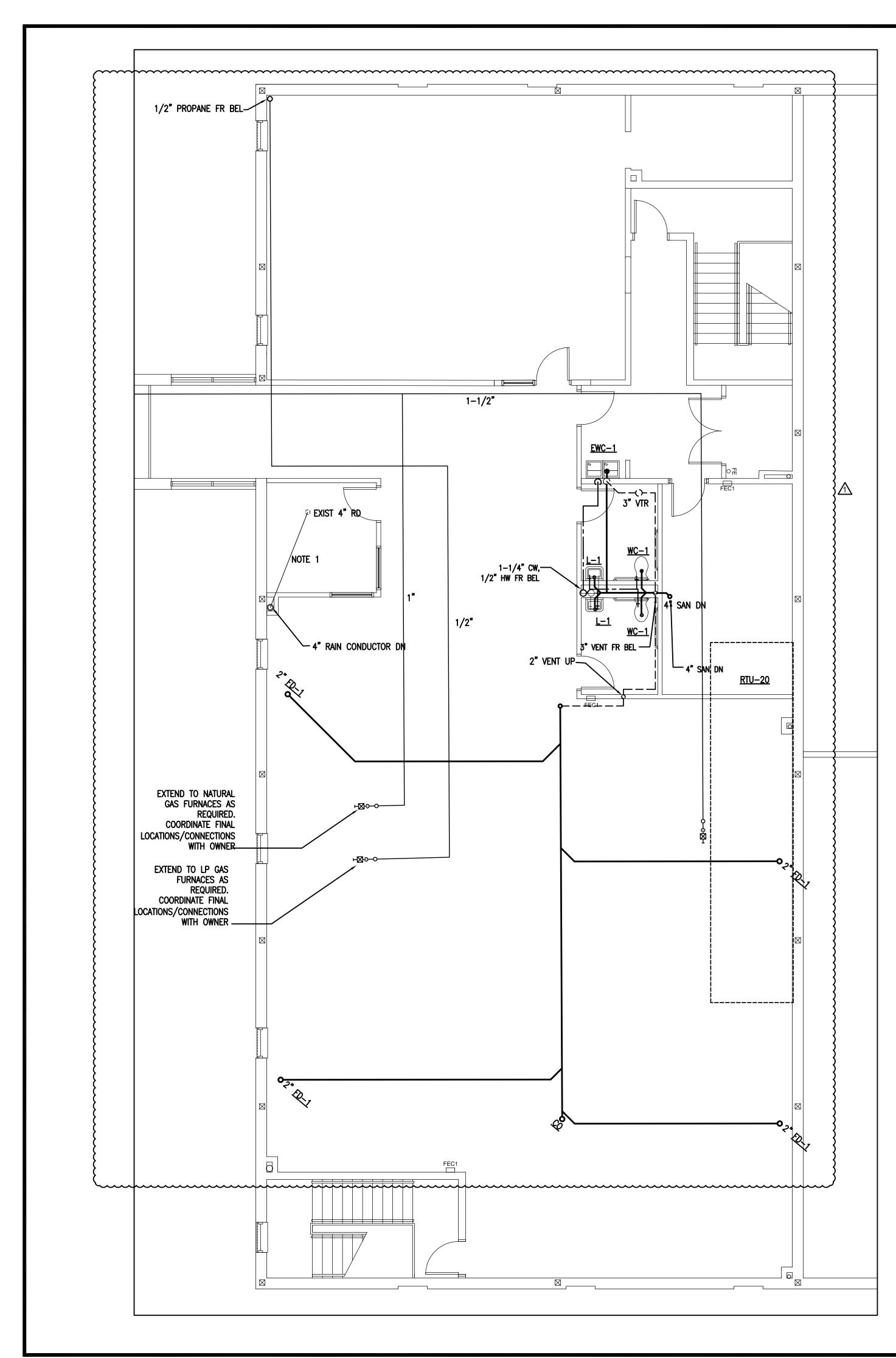
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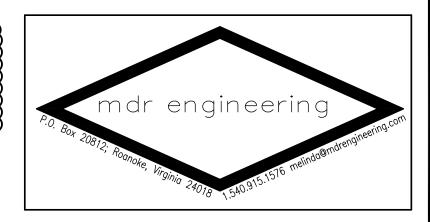
MDR

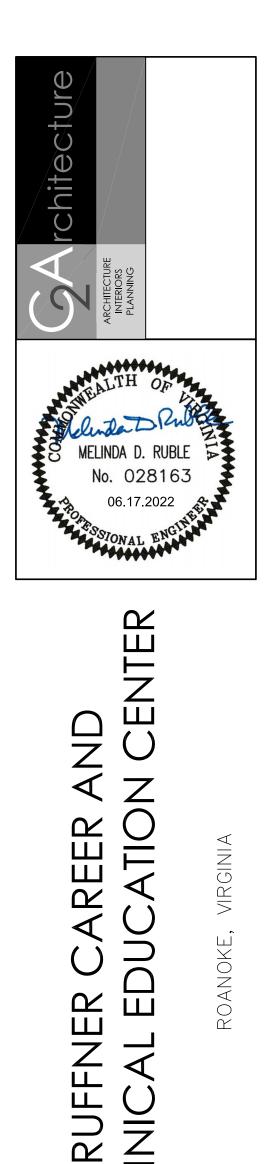


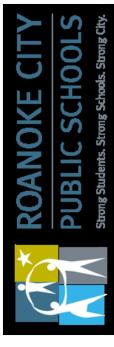
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<u>NOTES</u>: 1. EXTEND NEW RAIN CONDUCTOR FROM EXISTING ROOF DRAIN TO NEW RISER. RAIN CONDUCTOR TO BE SIZE OF ROOF DRAIN.

# 1 SECOND FLOOR PARTIAL NEW WORK PLAN - AREA F P3.6 SCALE: 3/16" = 1'-0"





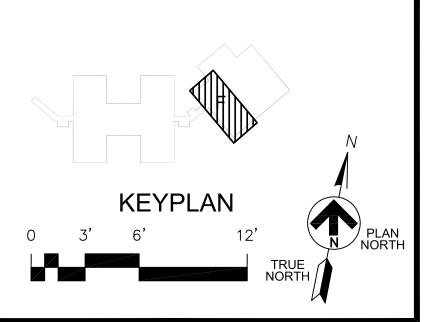


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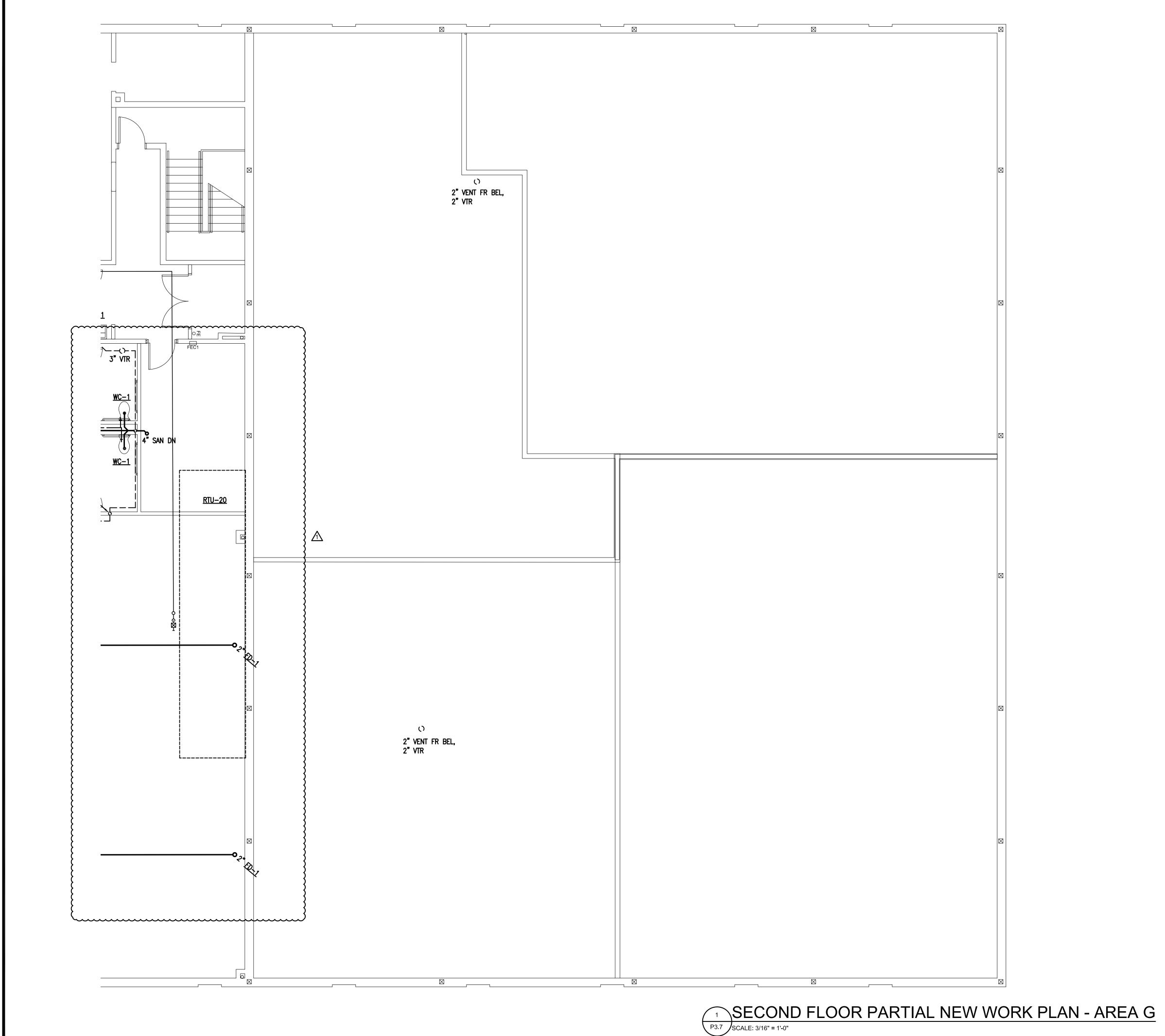
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No.	DATE	DE	SCRIPTION				
1	07/18/22	ADD	ENDUM 3				
	AWN BY		MDR				
	/'D BY:		MDR				
DAT			6/17/22				
SC/	ALE:		AS SHOWN				
SECOND FLOOR PARTIAL							
PLUMBING NEW WORK							
	PLAN - AREA F						
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P3.7

