

**CAMDEN FAMILY HEALTH, INC.
NICHOLAS COUNTY, WEST VIRGINIA**

CAMDEN-ON-GAULEY RICHWOOD CLINIC

ADDENDUM #1

JUNE 17, 2022

THRASHER PROJECT #060-10260

TO WHOM IT MAY CONCERN:

The following are clarifications and responses to questions posed by contractors for the above reference project.

A. GENERAL

1. A Pre-Bid Conference shall be held on Tuesday, June 21, 2022 on the above-referenced project, and a copy of the sign-in sheet shall be included in subsequent Addenda.
2. **THE BID OPENING DATE HAS BEEN CHANGED TO TUESDAY, JULY 19, 2022 @ 1:30 P.M.**
3. Davis Bacon Wage Rates have been added to this Addendum.

B. SPECIFICATIONS

1. The Index has been updated to add Spec 087100 Door Hardware
2. The Index has been updated to remove Spec 099113 Exterior Painting
3. The following specification sections shall be added to the Project Manual: Specification 087100 (Door Hardware).

C. DRAWINGS

1. The following drawings are provided with noted revisions for questions and responses to Addendum #1: A6.01, PD3.01, P3.01, P3.02, MD2.01, M2.01, E2.00, E3.00, E5.02, ED2.00

D. QUESTIONS AND RESPONSES

QUESTION

1. Will the door hardware specifications be forth-coming in a subsequent addendum?

RESPONSE

Door Hardware Specifications are provided with Addendum #1.

QUESTION

4. SECTION 102113 - TOILET COMPARTMENTS
PART 1 - GENERAL
1.1 SUMMARY

A. This Section includes solid-polymer units as follows:

1. Toilet Enclosures: Full height floor mounted overhead braced toilet compartments.
2. Urinal Screens: Floor anchored.

Please identify the toilet compartment locations are the drawings.

RESPONSE

There are no toilet compartment locations in the project. Division 102113 Section 1.1.2 shall be omitted from the specifications and scope of work.

QUESTION

5. SECTION 122413 - ROLLER WINDOW SHADES

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Manually operated roller shades with single rollers.

Please identify the roller window shades location on the drawings.

RESPONSE

Roller shades shall be located above the Pick-Up and Drop-Off windows of the Pharmacy. They are shown on Elevation 6 of Sheet A4.02.

QUESTION

6. Appliances

Who is to provide and install the appliances, such as the refrigerators?

RESPONSE

The owner shall purchase and install appliances.

QUESTION

7. At the x-ray locations on the ground floor "Alternate No.1". Will lead-lined ceilings, walls and/or openings be required?

RESPONSE

The panoramic X-Ray unit does not require shielding. The panoramic X-Ray unit only required the patient to where a lead apron.

QUESTION

8. 3.3 SCHEDULE OF ALLOWANCES

A. Allowance No. 1: Quantity Allowance: Include \$20,000.00 for resilient vinyl tile (LVT)

flooring for project.

1. Does the allowance cover base bid and the alternate bid?
2. Does the allowance cover the floor preparations, materials, labor, striping & waxing?

RESPONSE

- 1) The allowance covers the Base Bid only.
- 2) The allowance shall include floor preparations, materials, labor, striping & waxing.

QUESTION

7. C. Hazardous Materials: It is not expected that hazardous materials will be encountered in the Work.
1. If suspected hazardous materials are encountered, do not disturb; immediately notify Architect and Owner. Hazardous materials will be removed by Owner under a separate contract.
- Will the additional time and expense endeavored by the Contractor be reimbursed should hazardous materials be discovered, due to delays within the construction schedule?

RESPONSE

Should hazardous materials be encountered, additional time will be provided to the Contractor such that the Owner may remedy and abate hazardous material from the project site. Expenses incurred by the contractor will be reviewed for reimbursement at the sole discretion of the Owner. The Contractor shall notify the Architect of such expenses, and the Architect shall review with the Owner and provide response.

QUESTION

8. 3.2 IDENTIFICATION
- A. Joint Identification: Identify joint firestopping systems with legible metal or plastic labels. Attach labels permanently to surfaces adjacent to and within 6 inches (150 mm) of joint edge so labels are visible to anyone seeking to remove or joint firestopping system. Use mechanical fasteners or self-adhering-type labels with adhesives capable of permanently bonding labels to surfaces on which labels are placed. Include the following information on labels:
1. The words "Warning - Joint Firestopping - Do Not Disturb. Notify Building Management of Any Damage."
 2. Contractor's name, address, and phone number.
 3. Designation of applicable testing agency.
 4. Date of installation.
 5. Manufacturer's name.
 6. Installer's name.

Please identify the locations where this specification is to be applied and how often on a running wall.

RESPONSE

Omit Firestopping Identification from the project.

QUESTION

9. SECTION 090190.52 - MAINTENANCE REPAINTING
- PART 1 - GENERAL
- 1.1 SUMMARY
- A. Section includes maintenance repainting as follows:
1. Removing existing paint.
 2. Patching substrates.

3. Repainting.

Please identify on the plan sheets where this specification applies.

RESPONSE

Division 090190 Section 1.1 shall be omitted from the specifications and scope of work.

QUESTION**10. SECTION 092900 - GYPSUM BOARD****PART 1 - GENERAL****1.1 SUMMARY****A. Section Includes:**

1. Interior gypsum board.
2. Exterior gypsum board for ceilings and soffits.
3. Tile backing panels.
4. Texture finishes.

1. Please identify where tile backing panels are to be installed.
2. Please identify what surfaces will require textured finishes.

RESPONSE

Division 092900 Section 1.1.1 and Section 1.1.2 shall be omitted from the specifications and scope of work.

QUESTION**11. Acoustical Panel Ceilings; D. Delegated-Design Submittal: For seismic restraints for ceiling systems.**

1. Include design calculations for seismic restraints including analysis data signed and sealed by the qualified professional engineer responsible for their preparation.

2.1 PERFORMANCE REQUIREMENTS

A. Ceiling products shall comply with the requirements of the California Department of Public Health's "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers." Formaldehyde emissions shall not exceed 16.5 mcg/cu. m or 13.5 ppb, whichever is less.

B. Delegated Design: Engage a qualified professional engineer, as defined in Section 014000 "Quality Requirements," to design seismic restraints for ceiling systems.

1. Could the California Department of Public Health's "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chamber information be provided in a subsequent addendum?
2. Are we to include additional engineering in our bid for the acoustical panel ceilings?

RESPONSE

- 1) Division 095113 Section 2.1.A is a common performance standard for ceiling systems and volatile organic compound emissions. Ceiling products acceptable for the project should have product information sheets that indicate they meet this standard. The information for the standard will not be provided in subsequent

addenda, but can be reviewed at the following website:

<https://www.ul.com/services/cdph-standard-method-voc-emissions>

- 2) The contractor shall consult the ceiling system supplier's designated engineering professional for the application of seismic restraints in the project.

QUESTION

12. SECTION 099113 - EXTERIOR PAINTING

PART 1 - GENERAL

1.1 SUMMARY

A. Section includes surface preparation and the application of paint systems on the following exterior substrates:

1. Steel and iron.
2. Galvanized metal.
3. Aluminum (not anodized or otherwise coated).
4. Wood.

Please identify on the drawings where exterior painting is to be applied.

RESPONSE

Division 099113 shall be omitted from the specifications and scope of work.

QUESTION

13. TOILET, BATH, AND LAUNDRY ACCESSORIES

1. F. Coat Hook: Please identify on the drawings.
2. 2.5 CUSTODIAL ACCESSORIES A. Utility Shelf: Please identify on the drawings.
3. B. Mop and Broom Holder: Please identify on the drawings.

RESPONSE

Coat Hooks shall be provided on the back of all toilet room doors. Mop and Broom Holder shall be located above the mop sink on the plan North wall in Janitor 218 and on the plan South wall in Janitor 119.

QUESTION

14. Signage: Will room signage and/or exterior signage be required on this project?

RESPONSE

Interior and Exterior Signage will be Owner-furnished and installed.

QUESTION

15. MANUFACTURED PLASTIC-LAMINATE-CLAD CASEWORK & PLASTIC-LAMINATE-CLAD COUNTERTOPS

2.1 MANUFACTURERS

A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:

1. Chandler.
2. Advanced Cabinet Systems (ACS).

3. Diversified Fixture.
4. Hausmann Industries, Inc.
5. Mica-Tec.
6. Terrill Manufacturing Company.
7. Windham Millwork, Inc.

Requesting Plastic Sales, located in Charleston, WV to be an approved manufacturer.

RESPONSE

Plastic Sales, located in Charleston, WV shall be an approved vendor.

QUESTION

16. Fire Suppression - Please confirm the building does not require a Fire Suppression System.

RESPONSE

The building does not require a Fire Suppression system.

QUESTION

17. Plumbing - Please confirm the only Plumbing Specifications provided are those on the drawings.

RESPONSE

The only plumbing specifications are displayed on the drawings.

QUESTION

18. HVAC - Please confirm the only HVAC Specifications provided are those on the drawings.

RESPONSE

The only HVAC specifications are displayed on the drawings.

QUESTION

19. Electrical - Please confirm the only Electrical Specifications provided are those on the drawings.

RESPONSE

The only electrical specifications are displayed on the drawings.

QUESTION

20. Communications - Please confirm the only Communications Specifications provided are those on the drawings.

RESPONSE

The only communications specifications are displayed on the drawings.

QUESTION

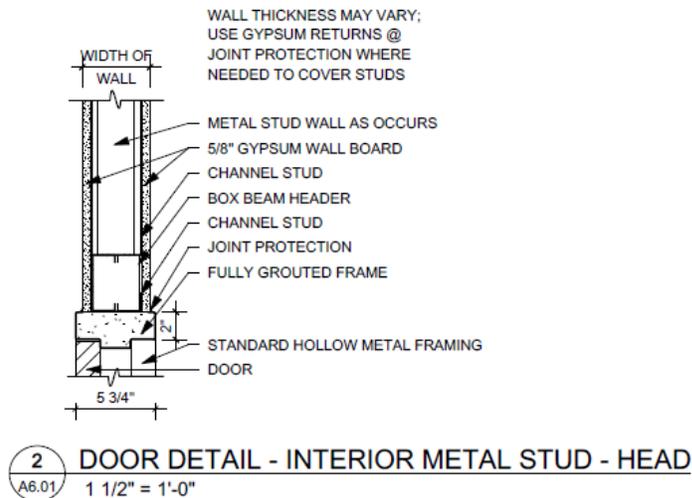
21. Electronic Life Safety & Security - Please confirm the only Electronic Life Safety & Security Specifications provided are those on the drawings.

RESPONSE

The only electronic life safety and security specifications are displayed on the drawings.

QUESTION

22. Hollow Metal Frame Installations Please confirm all hollow metal frame jambs and heads are to be fully grouted.

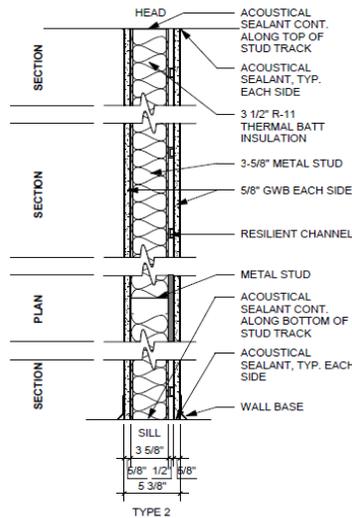
**RESPONSE**

Head and Jamb details #2 and #3 on Sheet A6.01 shall be revised such that wood blocking shall be provided in lieu of full grouting of the metal framing for the heads and jambs. revised Sheet A6.01 is provided with Addendum #1.

QUESTION

23. Wall Type 2 in coordination with hollow metal door frames.

1. Please provide a head and jamb detail for the hollow metal doors to be installed in wall type 2.
2. Please confirm the frame depth size for hollow metal door frames in wall type 2 is 5-3/4".



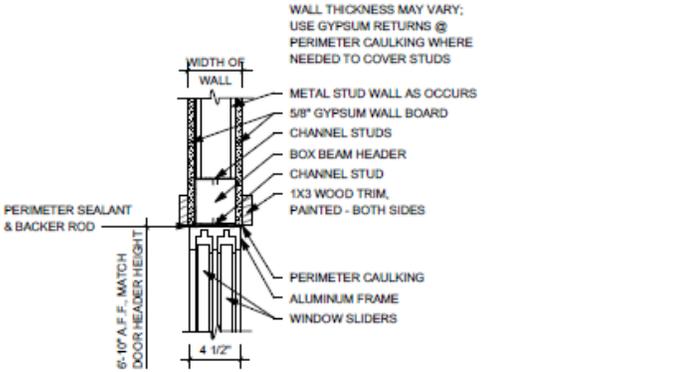
DOOR, FRAME, & HARDWARE SCHEDULE													
DOOR							FRAME				ASSEMBLY		
MARK #	TYPE	WIDTH	HEIGHT	THICKNESS	MATERIAL	FINISH	FRAME TYPE	FRAME DEPTH	FRAME MATERIAL	FRAME FINISH	FIRE RATING	HARDWARE SET	REMARKS
X 101	F	3'-0"	6'-8"	1 3/4"	WOOD	CLEAR MAPLE	1	5 3/4"	H.M.	PAINTED			02
X 102	F	3'-0"	6'-8"	1 3/4"	WOOD	CLEAR MAPLE	1	5 3/4"	H.M.	PAINTED			12
X 103	F	3'-0"	6'-8"	1 3/4"	WOOD	CLEAR MAPLE	1	5 3/4"	H.M.	PAINTED			01
X 104	F	3'-0"	6'-8"	1 3/4"	WOOD	CLEAR MAPLE	1	5 3/4"	H.M.	PAINTED			03
X 106	F	3'-0"	6'-8"	1 3/4"	WOOD	CLEAR MAPLE	1	5 3/4"	H.M.	PAINTED			01
X 109	F	3'-0"	6'-8"	1 3/4"	WOOD	CLEAR MAPLE	1	5 3/4"	H.M.	PAINTED	45 MIN.		06
X 110	F	3'-0"	6'-8"	1 3/4"	WOOD	CLEAR MAPLE	1	5 3/4"	H.M.	PAINTED			01
X 113	F	3'-0"	6'-8"	1 3/4"	WOOD	CLEAR MAPLE	1	5 3/4"	H.M.	PAINTED			12
X 114	F	3'-0"	6'-8"	1 3/4"	WOOD	CLEAR MAPLE	1	5 3/4"	H.M.	PAINTED	45 MIN.		06
X 115	F	2'-10"	6'-8"	1 3/4"	WOOD	CLEAR MAPLE	1	5 3/4"	H.M.	PAINTED			05
X 116	F	3'-0"	6'-8"	1 3/4"	WOOD	CLEAR MAPLE	1	5 3/4"	H.M.	PAINTED			01
X 117	F	3'-0"	6'-8"	1 3/4"	WOOD	CLEAR MAPLE	1	5 3/4"	H.M.	PAINTED			04
X 118	F	3'-0"	6'-8"	1 3/4"	WOOD	CLEAR MAPLE	1	5 3/4"	H.M.	PAINTED			01
X 119	F	2'-6"	6'-8"	1 3/4"	WOOD	CLEAR MAPLE	1	5 3/4"	H.M.	PAINTED			05
X 120	F	3'-0"	6'-8"	1 3/4"	WOOD	CLEAR MAPLE	1	5 3/4"	H.M.	PAINTED			02
X 121	F	3'-0"	6'-8"	1 3/4"	WOOD	CLEAR MAPLE	1	5 3/4"	H.M.	PAINTED			04
X 122	F	3'-0"	6'-8"	1 3/4"	WOOD	CLEAR MAPLE	1	5 3/4"	H.M.	PAINTED			06
201	F	3'-0"	6'-8"	1 3/4"	WOOD	CLEAR MAPLE	1	5 3/4"	H.M.	PAINTED			02
202A	F	3'-0"	6'-8"	1 3/4"	WOOD	CLEAR MAPLE	1	5 3/4"	H.M.	PAINTED			09
202B	F	3'-0"	6'-8"	1 3/4"	WOOD	CLEAR MAPLE	1	5 3/4"	H.M.	PAINTED			10
203	F	3'-0"	6'-8"	1 3/4"	WOOD	CLEAR MAPLE	1	5 3/4"	H.M.	PAINTED			08
204	FL	3'-0"	6'-8"	1 3/4"	WOOD	CLEAR MAPLE	3	5 3/4"	H.M.	PAINTED			13
206	F	2'-6"	6'-8"	1 3/4"	WOOD	CLEAR MAPLE	1	5 3/4"	H.M.	PAINTED			05
207	F	3'-0"	6'-8"	1 3/4"	WOOD	CLEAR MAPLE	1	5 3/4"	H.M.	PAINTED			01
208	F	3'-0"	6'-8"	1 3/4"	WOOD	CLEAR MAPLE	1	5 3/4"	H.M.	PAINTED			01
209	F	3'-0"	6'-8"	1 3/4"	WOOD	CLEAR MAPLE	1	5 3/4"	H.M.	PAINTED			01
210	F	3'-0"	6'-8"	1 3/4"	WOOD	CLEAR MAPLE	1	5 3/4"	H.M.	PAINTED			02
211	F	3'-0"	6'-8"	1 3/4"	WOOD	CLEAR MAPLE	1	5 3/4"	H.M.	PAINTED			07
212	F	3'-0"	6'-8"	1 3/4"	WOOD	CLEAR MAPLE	1	5 3/4"	H.M.	PAINTED			07
213	F	3'-0"	6'-8"	1 3/4"	WOOD	CLEAR MAPLE	1	5 3/4"	H.M.	PAINTED			07
215	F	3'-0"	6'-8"	1 3/4"	WOOD	CLEAR MAPLE	1	5 3/4"	H.M.	PAINTED			07
216	F	3'-0"	6'-8"	1 3/4"	WOOD	CLEAR MAPLE	1	5 3/4"	H.M.	PAINTED			07
217	F	2'-0"	6'-8"	1 3/4"	WOOD	CLEAR MAPLE	1	5 3/4"	H.M.	PAINTED			05
218	F	3'-0"	6'-8"	1 3/4"	WOOD	CLEAR MAPLE	1	5 3/4"	H.M.	PAINTED			05
219	F	3'-0"	6'-8"	1 3/4"	WOOD	CLEAR MAPLE	1	5 3/4"	H.M.	PAINTED			11
220	F	3'-0"	6'-8"	1 3/4"	WOOD	CLEAR MAPLE	1	5 3/4"	H.M.	PAINTED			11
221	F	3'-0"	6'-8"	1 3/4"	WOOD	CLEAR MAPLE	1	5 3/4"	H.M.	PAINTED			07
222	F	3'-0"	6'-8"	1 3/4"	WOOD	CLEAR MAPLE	1	5 3/4"	H.M.	PAINTED			07
223	F	3'-0"	6'-8"	1 3/4"	WOOD	CLEAR MAPLE	1	5 3/4"	H.M.	PAINTED			01

RESPONSE

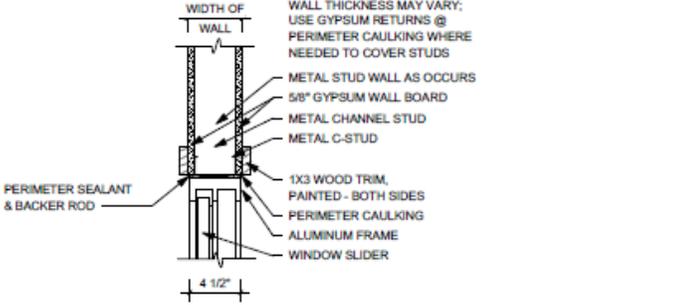
- 1) Head and Jamb details for Wall Type 2 shall be provided on Sheet A6.01. The revised Sheet A6.01 is provided with Addendum #1.
- 2) Frame Depth size is approximately 6 - 3/8" for Wall Type 2. The depth is provided in the door schedule on the revised Sheet A6.01 provided in Addendum #1.

QUESTION

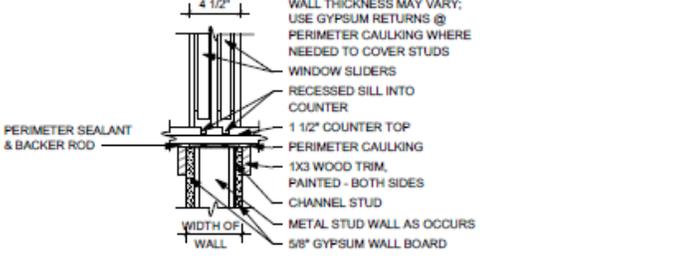
24. Sliding Window Detail - Please provide what species of wood trim is required.



4 SLIDING WINDOW DETAIL - INTERIOR METAL STUD - HEAD
A6.01 1 1/2" = 1'-0"



5 SLIDING WINDOW DETAIL - INTERIOR METAL STUD - JAMB
A6.01 1 1/2" = 1'-0"



6 SLIDING WINDOW DETAIL - INTERIOR METAL STUD - SILL
A6.01 1 1/2" = 1'-0"

RESPONSE

The species of wood shall be Pine.

QUESTION

25. Carpet Tile - Please confirm carpet tile is not applicable to this project.

FINISH AND PAINTING SCHEDULE	
NOTE #	DESCRIPTION
FL1	CARPET TILE.
FL2	VINYL COMPOSITE TILE.
WB1	4" VINYL WALL BASE

RESPONSE

Carpet Tile is not applicable in this project and shall be omitted from the finish schedule.

QUESTION

26. Fire Alarm System - Please provide an electrical systems drawing.

20. LOCATE TV AND DATA OUTLETS APPROXIMATELY AS SHOWN ON DRAWINGS. COORDINATE EXACT LOCATIONS WITH ARCHITECT.

GENERAL FIRE ALARM NOTES
<p>THE INTEGRATED STROBE LIGHT & COMBINATION SMOKE & CARBON MONOXIDE SHALL BE A BRK MODEL 7030BSL AND SHALL PROVIDE AT A MINIMUM THE FOLLOWING FEATURES AND FUNCTIONS:</p> <ol style="list-style-type: none"> 1. A PHOTOELECTRIC SMOKE SENSING CHAMBER AND ELECTROCHEMICAL CARBON MONOXIDE SENSOR. 2. A 177 CANDELA LED STROBE LIGHT. THE SMART STROBE SHALL HAVE SEPARATE FLASH PATTERNS TO DISTINGUISH BETWEEN SMOKE/HEAT AND CARBON MONOXIDE DANGERS. WHEN MULTIPLE UNITS INSTALLED, STROBE FLASH PATTERNS WILL SYNCHRONIZE. 3. FULLY SCREENED SENSING CHAMBER TO RESIST ENTRY OF SMALL INSECTS THEREBY REDUCING THE PROBABILITY OF UNWANTED ALARMS. 4. POWERED BY 120V AC, 60HZ AND HAVE A SEALED 10 YEAR LITHIUM BATTERY BACKUP FOR ALARM AND A SOLID STATE PIEZO HORN RATED AT 85DB AT 10FT AND BE CAPABLE OF SELF-RESTORING. 5. A VISUAL GREEN LED POWER-ON INDICATOR TO CONFIRM UNIT IS RECEIVING POWER OR IS IN ALARM. 6. A TEST BUTTON SHOULD CHECK THE ALARM FUNCTION. 7. TWO LATCHING FEATURES: ALARM LATCH TO EASILY IDENTIFY INITIATING ALARM AFTER ALARM CONDITION HAS SUBSIDED. LOW BATTERY LATCH: TO VISUALLY IDENTIFY WHICH UNIT IS IN LOW BATTERY OR END OF LIFE CONDITION. TWO SILENCE FEATURES: ALARM SILENCE TO TEMPORARILY SILENCE NUISANCE ALARMS. END OF LIFE: SILENCE ALARM FOR 8 HOURS. 8. THE UNIT SHALL BE CAPABLE OF OPERATING BETWEEN 40° F (4° C) AND 100° F (38° C) AND RELATIVE HUMIDITY BETWEEN 10% AND 95%. 9. THE UNIT SHALL HAVE A PLUG IN CONNECTOR AND BE CAPABLE OF INTERCONNECTION OF UP TO 18 UNITS WITH SMOKE, HEAT, CO ALARMS AND RELAYS, OF WHICH 12 CAN BE SMOKE ALARMS. 10. THE UNIT AT A MINIMUM SHALL CONFORM TO UL STD 217, UL STD 2034 & UL STD 1638. 11. SEE ARCHITECTURAL PLANS FOR DEVICE PLACEMENT.

RESPONSE

Telephone and data outlet locations are shown on Sheets E2.00 and E2.01. Fire Alarm devices (smoke detectors only) are shown on Sheets A1.05 and A1.06.

QUESTION

27. Electrical Loads: - Electrical Note 3. CONSULT AEP FOR NECESSARY POWER FEED UPGRADES

POWER NOTES:

1. A SERVICE POWER UPGRADE MAY BE NECESSARY FOR THE ADDITIONAL ELECTRICAL LOADS OF THIS RENOVATION. FINAL ELECTRICAL LOADS SHALL BE GIVEN TO AEP FOR SERVICE POWER LOAD CALCULATIONS.
2. AEP SUPPLY TRANSFORMERS SHALL BE REPLACED WITH PROPERLY SIZED TRANSFORMERS AS NEEDED. ALL SERVICE POWER WORK SHALL BE COORDINATED WITH AEP.
3. NEW SUPPLY CONDUCTORS SHALL BE INSTALLED FROM THE NEW TRANSFORMERS TO THE NEW METER. THESE CABLES SHALL BE PLACED IN THE EXISTING CONDUIT. CONTRACTOR SHALL COORDINATE ALL WORK PERTAINING TO THE SERVICE POWER UPGRADE WITH AEP.

1. Has the Electrical Engineer confirm adequate power is available for the new loads due to renovations and is there a work order in place?
2. Should an electrical service upgrade be required, who is responsible for the AEP fees? We Contractor's can not get proposals from Utilities without work orders.

RESPONSE

1. A new 400A, 120/208V, 3 phase service upgrade is required for the renovations. Adequate power is available from AEP's distribution (primary) feed. There is no work order in place.

2. An electrical upgrade is required. See Sheet E5.01 for riser plan. The contractor is responsible for the AEP fees. AEP will determine the scope of work for the service upgrade. The contractor is responsible for communicating with AEP and installing the new upgrade per AEP specifications.

QUESTION

28. Access Controls - Please confirm no access controls required on this project.

RESPONSE

There are no access controls required for this project. The Owner shall provide and install access controls if needed at a later date.

QUESTION

29. Sheet A1.02 Demolition - Please confirm the ceramic tile identified is to be removed with the exception of the tile in the Vestibule.

RESPONSE

The ceramic tile in the existing lobby shall be removed. The ceramic tile in the existing vestibule shall not be removed.

QUESTION

30. The MEP Sheets do not indicate any work to be included in Alternate No. 1.

1. Please confirm all MEP scope of work is to be included in Base Bid.
2. Should all MEP identified on MEP drawings not be included in Base Bid, please identify with further detail what MEP's are to be included in Base Bid and what MEP's are to be included in the Alternate.

RESPONSE

Clarification to the MEP scope of work for Alternate No. 1 is provided with Addendum #1.

QUESTION

31. WVSFM Plan Review - Has the West Virginia State Fire Marshall's Office received the plan sheets and is a Plan Review Letter available to be included in a subsequent addendum?

RESPONSE

The WV State Fire Marshal has received the plans for review. A plan review letter will be available to contractors in subsequent addenda or to the awarded contractor if the letter is not received until after the bid deadline.

QUESTION

32. City of Richwood Plan Review - Has the City of Richwood received the plan sheets and has the City provided a Plan Review Letter that can be included in a subsequent addendum?

RESPONSE

The City of Richwood has received the plans for review. A plan review letter will be available to contractors in subsequent addenda or to the awarded contractor if the letter is not received until after the bid deadline.

QUESTION

33. Material Shortages & Manufacturing Delays - The construction industry is still suffering from material shortages and manufacturing delays. Will additional calendar days be granted for these issues beyond the Contractors control?

RESPONSE

Additional calendar days for material shortages and manufacturing delays will be granted to Contractor at the sole discretion of the Owner. The Contractor shall notify the Architect of such delays, and the Architect shall review with the Owner and provide response.

QUESTION

34. Advertisement for Bid - A bidder may not withdraw his bid for a period of ninety (90) days after the date set for the opening of bids. Inflation has created an unstable market. Requesting a thirty (30) day bid hold in lieu of the ninety (90) days.

RESPONSE

The bid holding period shall be revised to thirty (30) days. In the Advertisement for Bid, the following statement shall be revised as follows:

"A bidder may not withdraw his bid for a period of thirty (30) days after the date set for the opening of bids."

QUESTION

35. Requesting clarification on the demo tags on Sheet A1.01 with question marks. Please confirm these tags are to be included in base bid.

RESPONSE

Demolition sheet keynotes displaying an asterisk (*) next to its tag indicates that scope is part of the Alternate #1 Scope of Work. All sheet keynotes without an asterisk are part of the Base Bid. All Sheet keynotes on Sheet A1.01 are displayed correctly.

E. CLARIFICATIONS

1. The General ADA Notes on Sheets A0.01 and A0.02 indicate that the project is a renovation of an existing bank building into an ambulatory health clinic. This is a description of the completed project's function. It is not a description of its occupancy type. According to IBC and NFPA 101, its occupancy type is Business. The functional operations of the clinic will not provide services that render 4 or more patients incapacitated or incapable of self-preservation. While the services provided are ambulatory in function, the occupancy type is Business.
2. Because the building and completed project occupancy type is Business as defined by IBC and NFPA 101, the project does not require a fire alarm system. Smoke detectors are specified for the project; however, no alarm system with strobe lights and annunciators is required.

If you have any questions or comments, please feel free to contact me at your earliest convenience. As a reminder, bids will be received until 1:30 p.m. on Wednesday, July 14, 2022 at Camden Family Health, 10003 Webster Road, Camden-On-Gauley, WV 26208. Good luck to everyone and thank you for your interest in the project.

Sincerely,

THE THRASHER GROUP, INC.



CASEY ARTHUR, MBA, AIA, NCARB, LEED AP
Senior Architect



**CAMDEN FAMILY HEALTH, INC.
WEBSTER COUNTY, WEST VIRGINIA
FOR THE
CAMDEN-ON-GAULEY RICHWOOD CLINIC
THRASHER #060-10260**

INDEX

BIDDING DOCUMENTS

Advertisement for Bid	AFB
Instructions to Bidders	A701- 1997
Bid Opening Requirements	BOR
Bid	BID

CONDITIONS OF WORK

Standard Form of Agreement between Owner and Contractor	A101 - 2017
Performance Bond	A312 - 2010
Payment Bond	A312 - 2010
Change Order Directive	G714 - 2017
Change Order	G701- 2017
Application and Certificate for Payment	G702 - 1992
Continuation Sheet	G703 - 1992
Certificate of Substantial Completion	G704 - 2017
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GENERAL CONDITIONS

General Conditions of the Contract for Construction	A201 – 2017
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Supplementary General Conditions

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SECTION 087100 – DOOR HARDWARE

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. Section includes:

1. Mechanical and electrified door hardware for:
 - a. Swinging doors.
 - b. Sliding doors.
 - c. Gates.
2. Electronic access control system components, including:
 - a. Biometric access control reader.
 - b. Electronic access control devices.
3. Field verification, preparation and modification of existing doors and frames to receive new door hardware.
4. Lead-lining door hardware items required for radiation protection at door openings.
5. The intent of the hardware specification is to specify the hardware for interior and exterior doors, and to establish a type, continuity, and standard of quality. However, it is the door hardware supplier's responsibility to thoroughly review existing conditions, schedules, specifications, drawings, and other Contract Documents to verify the suitability of the hardware specified.

B. Exclusions: Unless specifically listed in hardware sets, hardware is not specified in this section for:

1. Windows
2. Cabinets (casework), including locks in cabinets
3. Signage
4. Toilet accessories
5. Overhead doors

C. Related Sections:

1. Division 01 Section “Alternates” for alternates affecting this section.
2. Division 07 Section “Joint Sealants” for sealant requirements applicable to threshold installation specified in this section.
3. Division 09 sections for touchup, finishing or refinishing of existing openings modified by this section.
4. Division 13 Section “Radiation Protection” for requirements for lead-lining for door hardware at openings indicated to receive radiation protection.
5. Division 26 sections for connections to electrical power system and for low-voltage wiring.
6. Division 28 sections for coordination with other components of electronic access control system.

1.3 REFERENCES

A. UL - Underwriters Laboratories

1. UL 10B - Fire Test of Door Assemblies
2. UL 10C - Positive Pressure Test of Fire Door Assemblies
3. UL 1784 - Air Leakage Tests of Door Assemblies
4. UL 305 - Panic Hardware

B. DHI - Door and Hardware Institute

1. Sequence and Format for the Hardware Schedule
2. Recommended Locations for Builders Hardware
3. Key Systems and Nomenclature

C. ANSI - American National Standards Institute

1. ANSI/BHMA A156.1 - A156.29, and ANSI/BHMA A156.31 - Standards for Hardware and Specialties

1.4 SUBMITTALS

A. General:

1. Submit in accordance with Conditions of Contract and Division 01 requirements.
2. Highlight, encircle, or otherwise specifically identify on submittals deviations from Contract Documents, issues of incompatibility or other issues which may detrimentally affect the Work.
3. Prior to forwarding submittal, comply with procedures for verifying existing door and frame compatibility for new hardware, as specified in PART 3, “EXAMINATION” article, herein.

B. Action Submittals:

1. Product Data: Product data including manufacturers' technical product data for each item of door hardware, installation instructions, maintenance of operating parts and finish, and other information necessary to show compliance with requirements.
2. Riser and Wiring Diagrams: After final approval of hardware schedule, submit details of electrified door hardware, indicating:
 - a. Wiring Diagrams: For power, signal, and control wiring and including:
 - 1) Details of interface of electrified door hardware and building safety and security systems.
 - 2) Schematic diagram of systems that interface with electrified door hardware.
 - 3) Point-to-point wiring.
 - 4) Risers.
3. Samples for Verification: If requested by Architect, submit production sample or sample installations of each type of exposed hardware unit in finish indicated, and tagged with full description for coordination with schedule.
 - a. Samples will be returned to supplier in like-new condition. Units that are acceptable to Architect may, after final check of operations, be incorporated into Work, within limitations of key coordination requirements.
4. Door Hardware Schedule: Submit schedule with hardware sets in vertical format as illustrated by Sequence of Format for the Hardware Schedule as published by the Door and Hardware Institute. Indicate complete designations of each item required for each door or opening, include:
 - a. Door Index; include door number, heading number, and Architects hardware set number.
 - b. Opening Lock Function Spreadsheet: List locking device and function for each opening.
 - c. Type, style, function, size, and finish of each hardware item.
 - d. Name and manufacturer of each item.
 - e. Fastenings and other pertinent information.
 - f. Location of each hardware set cross-referenced to indications on Drawings.
 - g. Explanation of all abbreviations, symbols, and codes contained in schedule.
 - h. Mounting locations for hardware.
 - i. Door and frame sizes and materials.
 - j. Name and phone number for local manufacturer's representative for each product.
 - k. Operational Description of openings with any electrified hardware (locks, exits, electromagnetic locks, electric strikes, automatic operators, door position switches, magnetic holders or closer/holder units, and access control

components). Operational description should include how door will operate on egress, ingress, and fire and smoke alarm connection.

- 1) Submittal Sequence: Submit door hardware schedule concurrent with submissions of Product Data, Samples, and Shop Drawings. Coordinate submission of door hardware schedule with scheduling requirements of other work to facilitate fabrication of other work that is critical in Project construction schedule.
5. Key Schedule:
- a. After Keying Conference, provide keying schedule listing levels of keying as well as explanation of key system's function, key symbols used and door numbers controlled.
 - b. Use ANSI/BHMA A156.28 "Recommended Practices for Keying Systems" as guideline for nomenclature, definitions, and approach for selecting optimal keying system.
 - c. Provide 3 copies of keying schedule for review prepared and detailed in accordance with referenced DHI publication. Include schematic keying diagram and index each key to unique door designations.
 - d. Index keying schedule by door number, keyset, hardware heading number, cross keying instructions, and special key stamping instructions.
 - e. Provide one complete bitting list of key cuts and one key system schematic illustrating system usage and expansion.
 - 1) Forward bitting list, key cuts and key system schematic directly to Owner, by means as directed by Owner.
 - f. Prepare key schedule by or under supervision of supplier, detailing Owner's final keying instructions for locks.
6. Templates: After final approval of hardware schedule, provide templates for doors, frames and other work specified to be factory prepared for door hardware installation.

C. Informational Submittals:

1. Qualification Data: For Supplier, Installer and Architectural Hardware Consultant.
2. Product Certificates for electrified door hardware, signed by manufacturer:
 - a. Certify that door hardware approved for use on types and sizes of labeled fire-rated doors complies with listed fire-rated door assemblies.
3. Certificates of Compliance:
 - a. Certificates of compliance for fire-rated hardware and installation instructions if requested by Architect or Authority Having Jurisdiction.

- b. Installer Training Meeting Certification: Letter of compliance, signed by Contractor, attesting to completion of installer training meeting specified in “QUALITY ASSURANCE” article, herein.
 - c. Electrified Hardware Coordination Conference Certification: Letter of compliance, signed by Contractor, attesting to completion of electrified hardware coordination conference, specified in “QUALITY ASSURANCE” article, herein.
4. Product Test Reports: For compliance with accessibility requirements, based on evaluation of comprehensive tests performed by manufacturer and witnessed by qualified testing agency, for door hardware on doors located in accessible routes.
 5. Warranty: Special warranty specified in this Section.

D. Fire Door Assembly Inspection and Testing:

1. Submit a written report of the results of functional testing and inspection for fire door assemblies, in compliance with NFPA 80-2007 requirements. Written report shall be provided to the Owner to be made available to the Authority Having Jurisdiction (AHJ). Report shall include the door number for each fire door assembly, door location, door and frame material, fire rating, and summary of deficiencies.

E. Closeout Submittals:

1. Operations and Maintenance Data : Provide in accordance with Division 01 and include:
 - a. Complete information on care, maintenance, and adjustment; data on repair and replacement parts, and information on preservation of finishes.
 - b. Catalog pages for each product.
 - c. Name, address, and phone number of local representative for each manufacturer.
 - d. Parts list for each product.
 - e. Final approved hardware schedule, edited to reflect conditions as-installed.
 - f. Final keying schedule
 - g. Copies of floor plans with keying nomenclature
 - h. As-installed wiring diagrams for each opening connected to power, both low voltage and 110 volts.
 - i. Copy of warranties including appropriate reference numbers for manufacturers to identify project.

1.5 QUALITY ASSURANCE

- A. Product Substitutions: Comply with product requirements stated in Division 01 and as specified herein.

1. Where specific manufacturer's product is named and accompanied by "No Substitute," including make or model number or other designation, provide product specified. (Note: Certain products have been selected for their unique characteristics and particular project suitability.)
 - a. Where no additional products or manufacturers are listed in product category, requirements for "No Substitute" govern product selection.
 2. Where products indicate "acceptable manufacturers" or "acceptable manufacturers and products", provide product from specified manufacturers, subject to compliance with specified requirements and "Single Source Responsibility" requirements stated herein.
- B. Supplier Qualifications and Responsibilities: Recognized architectural hardware supplier with record of successful in-service performance for supplying door hardware similar in quantity, type, and quality to that indicated for this Project and that provides certified Architectural Hardware Consultant (AHC) available to Owner, Architect, and Contractor, at reasonable times during the Work for consultation.
1. Warehousing Facilities: In Project's vicinity.
 2. Scheduling Responsibility: Preparation of door hardware and keying schedules.
 3. Engineering Responsibility: Preparation of data for electrified door hardware, including Shop Drawings, based on testing and engineering analysis of manufacturer's standard units in assemblies similar to those indicated for this Project.
 4. Coordination Responsibility: Coordinate installation of electronic security hardware with Architect and electrical engineers and provide installation and technical data to Architect and other related subcontractors.
 - a. Upon completion of electronic security hardware installation, inspect and verify that all components are working properly.
- C. Installer Qualifications: Qualified tradesmen, skilled in application of commercial grade hardware with record of successful in-service performance for installing door hardware similar in quantity, type, and quality to that indicated for this Project.
- D. Architectural Hardware Consultant Qualifications: Person who is experienced in providing consulting services for door hardware installations that are comparable in material, design, and extent to that indicated for this Project and meets these requirements:
1. For door hardware, DHI-certified, Architectural Hardware Consultant (AHC).
 2. Can provide installation and technical data to Architect and other related subcontractors.
 3. Can inspect and verify components are in working order upon completion of installation.
 4. Capable of producing wiring diagrams.

5. Capable of coordinating installation of electrified hardware with Architect and electrical engineers.
- E. Single Source Responsibility: Obtain each type of door hardware from single manufacturer.
1. Provide electrified door hardware from same manufacturer as mechanical door hardware, unless otherwise indicated.
 2. Manufacturers that perform electrical modifications and that are listed by testing and inspecting agency acceptable to authorities having jurisdiction are acceptable.
- F. Fire-Rated Door Openings: Provide door hardware for fire-rated openings that complies with NFPA 80 and requirements of authorities having jurisdiction. Provide only items of door hardware that are listed and are identical to products tested by Underwriters Laboratories, Intertek Testing Services, or other testing and inspecting organizations acceptable to authorities having jurisdiction for use on types and sizes of doors indicated, based on testing at positive pressure and according to NFPA 252 or UL 10C and in compliance with requirements of fire-rated door and door frame labels.
- G. Smoke- and Draft-Control Door Assemblies: Where smoke- and draft-control door assemblies are required, provide door hardware that meets requirements of assemblies tested according to UL 1784 and installed in compliance with NFPA 105.
1. Air Leakage Rate: Maximum air leakage of 0.3 cfm/sq. ft. (3 cu. m per minute/sq. m) at tested pressure differential of 0.3-inch wg (75 Pa) of water.
- H. Electrified Door Hardware: Listed and labeled as defined in NFPA 70, Article 100, by testing agency acceptable to authorities having jurisdiction.
- I. Means of Egress Doors: Latches do not require more than 15 lbf (67 N) to release latch. Locks do not require use of key, tool, or special knowledge for operation.
- J. Accessibility Requirements: For door hardware on doors in an accessible route, comply with governing accessibility regulations cited in "REFERENCES" article, herein.
1. Provide operating devices that do not require tight grasping, pinching, or twisting of wrist and that operate with force of not more than 5 lbf (22.2 N).
 2. Maximum opening-force requirements:
 - a. Interior, Non-Fire-Rated Hinged Doors: 5 lbf (22.2 N) applied perpendicular to door.
 - b. Sliding or Folding Doors: 5 lbf (22.2 N) applied parallel to door at latch.
 - c. Fire Doors: Minimum opening force allowable by authorities having jurisdiction.

3. Bevel raised thresholds with slope of not more than 1:2. Provide thresholds not more than 1/2 inch (13 mm) high.
 4. Adjust door closer sweep periods so that, from open position of 70 degrees, door will take at least 3 seconds to move to 3 inches (75 mm) from latch, measured to leading edge of door.
- K. Keying Conference: Conduct conference at Project site to comply with requirements in Division 01.
1. Attendees: Owner, Contractor, Architect, Installer and Supplier's Architectural Hardware Consultant.
 2. Incorporate keying conference decisions into final keying schedule after reviewing door hardware keying system including:
 - a. Function of building, flow of traffic, purpose of each area, degree of security required, and plans for future expansion.
 - b. Preliminary key system schematic diagram.
 - c. Requirements for key control system.
 - d. Requirements for access control.
 - e. Address for delivery of keys.
- L. Coordination Conferences:
1. Installation Coordination Conference: Prior to hardware installation, schedule and hold meeting to review questions or concerns related to proper installation and adjustment of door hardware.
 - a. Attendees: Door hardware supplier, door hardware installer, Contractor.
 - b. After meeting, provide letter of compliance to Architect, indicating when meeting was held and who was in attendance.
 2. Electrified Hardware Coordination Conference: Prior to ordering electrified hardware, schedule and hold meeting to coordinate door hardware with security, electrical, doors and frames, and other related suppliers.
 - a. Attendees: electrified door hardware supplier, doors and frames supplier, electrified door hardware installer, electrical subcontractor, Owner, Architect and Contractor.
 - b. After meeting, provide letter of compliance to Architect, indicating when coordination conference was held and who was in attendance.

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Inventory door hardware on receipt and provide secure lock-up for hardware delivered to Project site.

- B. Tag each item or package separately with identification coordinated with final door hardware schedule, and include installation instructions, templates, and necessary fasteners with each item or package.
 - 1. Deliver each article of hardware in manufacturer's original packaging.
- C. Project Conditions:
 - 1. Maintain manufacturer-recommended environmental conditions throughout storage and installation periods.
 - 2. Provide secure lock-up for door hardware delivered to Project, but not yet installed. Control handling and installation of hardware items so that completion of Work will not be delayed by hardware losses both before and after installation.
- D. Protection and Damage:
 - 1. Promptly replace products damaged during shipping.
 - 2. Handle hardware in manner to avoid damage, marring, or scratching. Correct, replace or repair products damaged during Work.
 - 3. Protect products against malfunction due to paint, solvent, cleanser, or any chemical agent.
- E. Deliver keys to manufacturer of key control system for subsequent delivery to Owner.
- F. Deliver keys and permanent cores to Owner by registered mail or overnight package service.

1.7 COORDINATION

- A. Coordinate layout and installation of floor-recessed door hardware with floor construction. Cast anchoring inserts into concrete. Concrete, reinforcement, and formwork requirements are specified in Division 03.
- B. Installation Templates: Distribute for doors, frames, and other work specified to be factory prepared. Check Shop Drawings of other work to confirm that adequate provisions are made for locating and installing door hardware to comply with indicated requirements.
- C. Security: Coordinate installation of door hardware, keying, and access control with Owner's security consultant.
- D. Electrical System Roughing-In: Coordinate layout and installation of electrified door hardware with connections to power supplies and building safety and security systems.

- E. Existing Openings: Where hardware components are scheduled for application to existing construction or where modifications to existing door hardware are required, field verify existing conditions and coordinate installation of door hardware to suit opening conditions and to provide proper door operation.
- F. Direct shipments not permitted, unless approved by Contractor.

1.8 WARRANTY

- A. Special Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace components of door hardware that fail in materials or workmanship within specified warranty period.
 - 1. Warranty Period: Years from date of Substantial Completion, for durations indicated.
 - a. Closers:
 - 1) Mechanical: 10 years. Electrified: 2 years.
 - b. Automatic Operators: 1 year.
 - c. Exit Devices:
 - 1) Mechanical: 3 years.
 - 2) Electrified: 1 year.
 - d. Locksets:
 - 1) Mechanical: 3 years.
 - 2) Electrified: 1 year.
 - e. Continuous Hinges: Lifetime warranty
 - 2. Warranty does not cover damage or faulty operation due to improper installation, improper use or abuse.

1.9 MAINTENANCE

- A. Maintenance Tools:
 - 1. Furnish complete set of special tools required for maintenance and adjustment of hardware, including changing of cylinders.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. The Owner requires use of certain products for their unique characteristics and particular project suitability to insure continuity of existing and future performance and maintenance standards. After investigating available product offerings Awarding Authority has elected to prepare proprietary specifications. These products are specified with the notation: "No Substitute."
 - 1. Where "No Substitute" is noted, submittals and substitution requests for other products will not be considered.
- B. Approval of manufacturers and/or products other than those listed as "Scheduled Manufacturer" or "Acceptable Manufacturers" in the individual article for the product category shall be in accordance with QUALITY ASSURANCE article, herein.
- C. Approval of products from manufacturers indicated in "Acceptable Manufacturers" is contingent upon those products providing all functions and features and meeting all requirements of scheduled manufacturer's product.
- D. Hand of Door: Drawings show direction of slide, swing, or hand of each door leaf. Furnish each item of hardware for proper installation and operation of door movement as shown.
- E. Where specified hardware is not adaptable to finished shape or size of members requiring hardware, furnish suitable types having same operation and quality as type specified, subject to Architect's approval.

2.2 MATERIALS

- A. Fasteners
 - 1. Provide hardware manufactured to conform to published templates, generally prepared for machine screw installation.
 - 2. Furnish screws for installation with each hardware item. Finish exposed (exposed under any condition) screws to match hardware finish, or, if exposed in surfaces of other work, to match finish of this other work including prepared for paint surfaces to receive painted finish.
 - 3. Provide concealed fasteners for hardware units exposed when door is closed except when no standard units of type specified are available with concealed fasteners. Do not use thru-bolts for installation where bolt head or nut on opposite face is exposed in other work unless thru-bolts are required to fasten

- hardware securely. Review door specification and advise Architect if thru-bolts are required.
4. Install hardware with fasteners provided by hardware manufacturer.
- B. Modification and Preparation of Existing Doors: Where existing door hardware is indicated to be removed and reinstalled.
1. Provide necessary fillers, Dutchmen, reinforcements, and fasteners, compatible with existing materials, as required for mounting new opening hardware and to cover existing door and frame preparations.
 2. Use materials which match materials of adjacent modified areas.
 3. When modifying existing fire-rated openings, provide materials permitted by NFPA 80 as required to maintain fire-rating.
- C. Provide screws, bolts, expansion shields, drop plates and other devices necessary for hardware installation.
1. Where fasteners are exposed to view: Finish to match adjacent door hardware material.

2.3 HINGES

- A. Provide five-knuckle, ball bearing hinges.
1. Manufacturers and Products:
 - a. Scheduled Manufacturer and Product: Ives 5BB series
 - b. Acceptable Manufacturers and Products: Hager BB series, McKinney TA/T4A series, Stanley FBB Series
- B. Requirements:
1. 1-3/4 inch (44 mm) thick doors, up to and including 36 inches (914 mm) wide:
 - a. Exterior: Standard weight, bronze or stainless steel, 4-1/2 inches (114 mm) high
 - b. Interior: Standard weight, steel, 4-1/2 inches (114 mm) high
 2. 1-3/4 inch (44 mm) thick doors over 36 inches (914 mm) wide:
 - a. Exterior: Heavy weight, bronze/stainless steel, 5 inches (127 mm) high
 - b. Interior: Heavy weight, steel, 5 inches (127 mm) high
 3. 2 inches or thicker doors:
 - a. Exterior: Heavy weight, bronze or stainless steel, 5 inches (127 mm) high
 - b. Interior: Heavy weight, steel, 5 inches (127 mm) high

4. Provide three hinges per door leaf for doors 90 inches (2286 mm) or less in height, and one additional hinge for each 30 inches (762 mm) of additional door height.
5. Where new hinges are specified for existing doors or existing frames, provide new hinges of identical size to hinge preparation present in existing door or existing frame.
6. Hinge Pins: Except as otherwise indicated, provide hinge pins as follows:
 - a. Steel Hinges: Steel pins
 - b. Non-Ferrous Hinges: Stainless steel pins
 - c. Out-Swinging Exterior Doors: Non-removable pins
 - d. Out-Swinging Interior Lockable Doors: Non-removable pins
 - e. Interior Non-lockable Doors: Non-rising pins
7. Width of hinges: 4-1/2 inches (114 mm) at 1-3/4 inch (44 mm) thick doors, and 5 inches (127 mm) at 2 inches (51 mm) or thicker doors. Adjust hinge width as required for door, frame, and wall conditions to allow proper degree of opening.
8. Doors 36 inches (914 mm) wide or less furnish hinges 4-1/2 inches (114 mm) high; doors greater than 36 inches (914 mm) wide furnish hinges 5 inches (127 mm) high, heavy weight or standard weight as specified.
9. Provide hinges with electrified options as scheduled in the hardware sets. Provide with sufficient number and wire gage to accommodate electric function of specified hardware. Locate electric hinge at second hinge from bottom or nearest to electrified locking component.
10. Provide mortar guard for each electrified hinge specified, unless specified in hollow metal frame specification.
11. Provide spring hinges where specified. Provide two spring hinges and one bearing hinge per door leaf for doors 90 inches (2286 mm) or less in height. Provide one additional bearing hinge for each 30 inches (762 mm) of additional door height.

2.4 CONTINUOUS HINGES

A. Aluminum Geared

1. Manufacturers:
 - a. Scheduled Manufacturer: Ives.
 - b. Acceptable Manufacturers: Markar, Stanley.
2. Requirements:
 - a. Provide aluminum geared continuous hinges conforming to ANSI/BHMA A156.25, Grade 2.
 - b. Provide aluminum geared continuous hinges, where specified in the hardware sets, fabricated from 6063-T6 aluminum, with 0.25-inch (6 mm) diameter Teflon coated stainless steel hinge pin.

- c. Provide split nylon bearings at each hinge knuckle for quiet, smooth, self-lubricating operation.
- d. Provide hinges capable of supporting door weights up to 450 pounds, and successfully tested for 1,500,000 cycles.
- e. On fire-rated doors, provide aluminum geared continuous hinges that are classified for use on rated doors by testing agency acceptable to authority having jurisdiction.
- f. Provide aluminum geared continuous hinges with electrified option scheduled in the hardware sets. Provide with sufficient number and wire gauge to accommodate electric function of specified hardware.
- g. Install hinges with fasteners supplied by manufacturer.
- h. Provide hinges with symmetrical hole pattern.

2.5 FLUSH BOLTS

A. Manufacturers:

1. Scheduled Manufacturer: Ives
2. Acceptable Manufacturers: Burns, Rockwood

B. Requirements:

1. Provide automatic, constant latching, and manual flush bolts with forged bronze or stainless steel face plates, extruded brass levers, and with wrought brass guides and strikes. Provide 12 inch (305 mm) steel or brass rods at doors up to 90 inches (2286 mm) in height. For doors over 90 inches (2286 mm) in height increase top rods by 6 inches (152 mm) for each additional 6 inches (152 mm) of door height. Provide dust-proof strikes at each bottom flush bolt.

2.6 MORTISE LOCKS (WHERE NOTED)

A. Manufacturers and Products:

1. Scheduled Manufacturer and Product: Schlage L9000 series
2. Acceptable Manufacturers and Products: Best 45 series, Sargent 8200 series

B. Requirements:

1. Provide mortise locks conforming to ANSI/BHMA A156.13 Series 1000, Grade 1 Operational, Grade 1 Security, and manufactured from heavy gauge steel, containing components of steel with a zinc dichromate plating for corrosion resistance. Provide lock case that is multi-function and field reversible for handing without opening case. Cylinders: Refer to "KEYING" article, herein.

2. Indicators: Where specified, provide indicator window measuring a minimum 2 inch x 1/2 inch with 180 degree visibility. Provide messages color-coded with full text and/or symbols, as scheduled, for easy visibility.
3. Provide locks with standard 2-3/4 inches (70 mm) backset with full 3/4 inch (19 mm) throw stainless steel mechanical anti-friction latchbolt. Provide deadbolt with full 1 inch (25 mm) throw, constructed of stainless steel.
4. Provide standard ASA strikes unless extended lip strikes are necessary to protect trim.
5. Provide electrified options as scheduled in the hardware sets. Where scheduled, provide a request to exit (RX) switch that is actuated with rotation of inside lever.
6. Provide motor based electrified locksets with electrified options as scheduled in the hardware sets and comply with the following requirements:
 - a. Universal input voltage – single chassis accepts 12 or 24V DC to allow for changes in the field without changing lock chassis.
 - b. Fail Safe/Fail Secure – changing mode between electrically locked (fail safe) and electrically unlocked (fail secure) is field selectable without opening the lock case
 - c. Low maximum current draw – maximum 0.4 amps to allow for multiple locks on a single power supply.
 - d. Low holding current – maximum 0.01 amps to produce minimal heat, eliminate “hot levers” in electrically locked applications, and to provide reliable operation in wood doors that provide minimal ventilation and air flow.
 - e. Request to Exit Switch (RX) –
 - 1) Modular Design – provide electrified locks capable of using, adding, or changing a modular RX switch without opening the lock case.
 - 2) Monitoring – where scheduled, provide a request to exit (RX) switch that detects rotation of the inside lever.
 - f. Connections – provide quick-connect Molex system standard.
 - g. UL Listed – 3 hour fire door
7. Lever Trim: Solid brass, bronze, or stainless steel, cast or forged in design specified, with wrought roses and external lever spring cages. Provide thru-bolted levers with 2-piece spindles.
 - a. Lever Design: Schlage 06A.

2.7 CYLINDRICAL LOCKS – GRADE 2 SCHLAGE ALX

A. Manufacturers and Products:

1. Scheduled Manufacturer and Product: Schlage ALX series.

2. Acceptable Manufacturers and Products: Best 7KC series, Sargent 7-Line.

B. Requirements

1. Provide cylindrical locks conforming to ANSI/BHMA A156.2 Series 4000, Grade 2, and UL Listed for 3 hour fire doors.
2. Cylinders: Refer to "KEYING" article, herein.
3. Provide locks with standard 2-3/4 inches (70 mm) backset, unless noted otherwise, with 1/2 inch latch throw. Provide proper latch throw for UL listing at pairs.
4. Provide locksets with separate anti-rotation thru-bolts, and no exposed screws.
5. Provide independently operating levers with two external return spring cassettes mounted under roses to prevent lever sag.
6. Provide standard ASA strikes unless extended lip strikes are necessary to protect trim.
7. Lever Trim: Solid cast levers without plastic inserts and wrought roses on both sides.

- a. Lever Design: Schlage Rhodes.

2.8 EXIT DEVICES

A. Manufacturers and Products:

1. Scheduled Manufacturer and Product: Von Duprin 99/33 series
2. Acceptable Manufacturers and Products: Precision Apex series, Detex Advantex Series

B. Requirements:

1. Provide exit devices tested to ANSI/BHMA A156.3 Grade 1, and UL listed for Panic Exit or Fire Exit Hardware. Cylinders: Refer to "KEYING" article, herein.
2. Provide touchpad type exit devices, fabricated of brass, bronze, stainless steel, or aluminum, plated to standard architectural finishes to match balance of door hardware.
3. Touchpad: Extend minimum of one half of door width. Match exit device finish, stainless steel for US26, US26D, US28, US32, and US32D finishes; and for all other finishes, provide compatible finish to exit device. Provide compression springs in devices, latches, and outside trims or controls; tension springs also acceptable.
4. Provide exit devices with deadlatching feature for security and for future addition of alarm kits and/or other electrified requirements.
5. Provide exit devices with manufacturer's approved strikes.

6. Provide exit devices cut to door width and height. Locate exit devices at height recommended by exit device manufacturer, allowable by governing building codes, and approved by Architect.
7. Mount mechanism case flush on face of doors, or provide spacers to fill gaps behind devices. Where glass trim or molding projects off face of door, provide glass bead kits.
8. Provide cylinder dogging at non-fire-rated exit devices, unless specified less dogging.
9. Removable Mullions: 2 inches (51 mm) x 3 inches (76 mm) steel tube. Where scheduled as keyed removable mullion that is removed by use of a keyed cylinder, which is self-locking when re-installed.
10. Where lever handles are specified as outside trim for exit devices, provide heavy-duty lever trims with forged or cast escutcheon plates. Provide vandal-resistant levers that will travel to 90-degree down position when more than 35 pounds of torque are applied, and which can easily be re-set.
 - a. Lever Style: Match lever style of locksets.
 - b. Tactile Warning (Knurling): Where required by authority having jurisdiction. Provide on levers on exterior (secure side) of doors serving rooms considered to be hazardous.
11. Concealed Vertical Cable Exit Devices: provide cable-actuated concealed vertical latch system in two-point for non-rated or fire rated wood doors up to a 90 minute rating and less bottom latch (LBL) configuration for non-rated or fire rated wood doors up to 20 minute rating. Vertical rods not permitted.
 - a. Cable: Stainless steel with abrasive resistant coating. Conduit and core wire ends snap into latch and center slides without use of tools.
 - b. Wood Door Prep: Maximum 1 inch x 1.1875 inch x 3.875 inches top latch pocket and 1 inch x 1.1875 inch x 5 inches bottom latch pocket which does not require the use of a metal wrap or edge for non-rated or fire rated wood doors up to a 45 minute rating.
 - c. Latchbolts and Blocking Cams: Manufactured from sintered metal low carbon copper- infiltrated steel, with molybdenum disulfide low friction coating.
 - d. Top Latchbolt: Minimum 0.38 inch (10 mm) and greater than 90 degree engagement with strike to prevent door and frame separation under high static load.
 - e. Bottom Latchbolt: Minimum of 0.44 inch (11 mm) engagement with strike.
 - f. Product Cycle Life: 1,000,000 cycles.
 - g. Latch Operation: Top and bottom latch operate independently of each other. Top latch fully engages top strike even when bottom latch is compromised. Separate trigger mechanisms not permitted.
 - h. Latch release does not require separate trigger mechanism.
 - i. Cable and latching system characteristics:
 - 1) Installed independently of exit device installation, and capable of functioning on door prior to device and trim installation.

- 2) Connected to exit device at single point in steel and aluminum doors, and two points for top and bottom latches in wood doors.
 - 3) Bottom latch height adjusted, from single point for steel and aluminum doors and two points for wood doors, after system is installed and connected to exit device, while door is hanging
 - 4) Bottom latch position altered up and down minimum of 2 inches (51 mm) in steel and aluminum doors without additional adjustment. Bottom latch deadlocks in every adjustment position in wood doors.
 - 5) Top and bottom latches in steel and aluminum doors and top latch in wood doors may be removed while door is hanging.
 - 6) Top latch mounting: double or single tab mount for steel doors, face mount for aluminum doors eliminating requirement of tabs, and double tab mount for wood doors.
12. Provide UL labeled fire exit hardware for fire rated openings.
 13. Provide factory drilled weep holes for exit devices used in full exterior application, highly corrosive areas, and where noted in hardware sets.
 14. Provide electrified options as scheduled.

2.9 CYLINDERS

A. Manufacturers:

1. Scheduled Manufacturer: Schlage
2. Acceptable Manufacturers: Best, Corbin-Russwin, Medeco

B. Requirements:

1. Provide cylinders/cores, from the same manufacturer of locksets, compliant with ANSI/BHMA A156.5; latest revision, Section 12, Grade 1; permanent cylinders; cylinder face finished to match lockset, manufacturer's series as indicated. Refer to "KEYING" article, herein.
2. Provide cylinders in the below-listed configuration(s), distributed throughout the Project as indicated.
 - a. High Security: dual-locking cylinder with permanent core requiring, patented keyway.
 - b. Security: dual-locking cylinder with **interchangeable** core requiring restricted, patented keyway.
 - c. Conventional cylinder with **interchangeable** core with open keyway. OR with patented, restricted keyway.
3. Patent Protection: Cylinders/cores requiring use of restricted, patented keys, patent-protected.
4. Security Cylinders: Where indicated, provide cylinders/cores with "dual-locking mechanism" with interlocking finger pin(s) to check for patented features on keys.

5. Nickel silver bottom pins.
6. Temporary Construction Cylinder Keying.
 - a. Owner or Owner's Representative will void operation of temporary construction keys.
7. Replaceable Construction Cores..
 - a. Provide temporary construction cores replaceable by permanent cores, furnished in accordance with the following requirements.
 - 1) 12 construction change (day) keys.
 - b. Owner or Owner's Representative will replace temporary construction cores with permanent cores.
- 8.

2.10 KEYING

- A. Provide a factory registered keying system, complying with guidelines in ANSI/BHMA A156.28, incorporating decisions made at keying conference.
- B. Requirements:
 - a. All Locks keyed into a new Master Key System as directed by owner
 2. Provide keys with the following features.
 - a. Material: Solid nickel plated
 3. Identification:
 - a. Mark permanent cylinders/cores and keys with applicable blind code per DHI publication "Keying Systems and Nomenclature" for identification. Blind code marks shall not include actual key cuts.
 - b. Identification stamping provisions must be approved by the Architect and Owner.
 - c. Failure to comply with stamping requirements shall be cause for replacement of keys involved at no additional cost to Owner.
 - d. Forward permanent cylinders/cores to Owner, separately from keys, by means as directed by Owner.
 4. Quantity: Furnish in the following quantities.
 - a. Change (Day) Keys: 3 per cylinder/core.
 - b. Permanent Control Keys: 3.
 - c. Master Keys: 6.
 - d. Unused balance of key blanks shall be furnished to Owner with the cut keys.

- e. Extra Keys:
 - 1) 6 Construction Keys

2.11 KEY CONTROL SYSTEM

A. Manufacturers:

1. Scheduled Manufacturer: Telkee
2. Acceptable Manufacturers: HPC, Lund

B. Requirements:

1. Provide key control system, including envelopes, labels, tags with self-locking key clips, receipt forms, 3-way visible card index, temporary markers, permanent markers, and standard metal cabinet, all as recommended by system manufacturer, with capacity for 150% of number of locks required for Project.
 - a. Provide complete cross index system set up by hardware supplier, and place keys on markers and hooks in cabinet as determined by final key schedule.
 - b. Provide hinged-panel type cabinet for wall mounting.

2.12 DOOR CLOSERS

A. Manufacturers and Products:

1. Scheduled Manufacturer and Product: LCN 4050 series
2. Acceptable Manufacturers and Products: Norton 7500 series, Sargent 351 series.

B. Requirements:

1. Provide door closers conforming to ANSI/BHMA A156.4 Grade 1 requirements by BHMA certified independent testing laboratory. ISO 9000 certify closers. Stamp units with date of manufacture code.
2. Provide door closers with fully hydraulic, full rack and pinion action with cast aluminum cylinder.
3. Closer Body: 1-1/2 inch (38 mm) diameter with 11/16 inch (17 mm) diameter heat-treated pinion journal and full complement bearings.
4. Hydraulic Fluid: Fireproof, passing requirements of UL10C, and all weather requiring no seasonal closer adjustment for temperatures ranging from 120 degrees F to -30 degrees F.
5. Spring Power: Continuously adjustable over full range of closer sizes, and providing reduced opening force as required by accessibility codes and standards.
6. Hydraulic Regulation: By tamper-proof, non-critical valves, with separate adjustment for latch speed, general speed, and back check.
7. Pressure Relief Valve (PRV) Technology: Not permitted.

8. Provide stick on templates, special templates, drop plates, mounting brackets, or adapters for arms as required for details, overhead stops, and other door hardware items interfering with closer mounting.

2.13 DOOR TRIM

A. Manufacturers:

1. Scheduled Manufacturer: Ives
2. Acceptable Manufacturers: Burns, Rockwood

B. Requirements:

1. Provide push plates 4 inches (102 mm) wide by 16 inches (406 mm) high by 0.050 inch (1 mm) thick and beveled 4 edges. Where width of door stile prevents use of 4 inches (102 mm) wide plate, adjust width to fit.
2. Provide push bars of solid bar stock, diameter and length as scheduled. Provide push bars of sufficient length to span from center to center of each stile. Where required, mount back to back with pull.
3. Provide offset pulls of solid bar stock, diameter and length as scheduled. Where required, mount back to back with push bar.
4. Provide flush pulls as scheduled. Where required, provide back-to-back mounted model.
5. Provide pulls of solid bar stock, diameter and length as scheduled. Where required, mount back to back with push bar.
6. Provide pull plates 4 inches (102 mm) wide by 16 inches (406 mm) high by 0.050 inch (1 mm) thick, beveled 4 edges, and prepped for pull. Where width of door stile prevents use of 4 inches (102 mm) wide plate, adjust width to fit.
7. Provide wire pulls of solid bar stock, diameter and length as scheduled.
8. Provide decorative pulls as scheduled. Where required, mount back to back with pull.

2.14 PROTECTION PLATES

A. Manufacturers:

1. Scheduled Manufacturer: Ives
2. Acceptable Manufacturers: Burns, Rockwood

B. Requirements:

1. Provide kick plates, mop plates, and armor plates minimum of 0.050 inch (1 mm) thick as scheduled. Furnish with sheet metal or wood screws, finished to match plates.
2. Sizes of plates:

- a. Kick Plates: 10 inches (254 mm) high by 2 inches (51 mm) less width of door on single doors, 1 inch (25 mm) less width of door on pairs
- b. Mop Plates: 4 inches (102 mm) high by 2 inches (51 mm) less width of door on single doors, 1 inch (25 mm) less width of door on pairs
- c. Armor Plates: 36 inches (914 mm) high by 2 inches (51 mm) less width of door on single doors, 1 inch (25 mm) less width of door on pairs

2.15 OVERHEAD STOPS AND OVERHEAD STOP/HOLDERS

A. Manufacturers:

1. Scheduled Manufacturers: Glynn-Johnson
2. Acceptable Manufacturers: Rixson, Sargent

B. Requirements:

1. Provide heavy duty concealed mounted overhead stop or holder as specified for exterior and interior vestibule single acting doors.
2. Provide heavy duty concealed mounted overhead stop or holder as specified for double acting doors.
3. Provide heavy or medium duty and concealed or surface mounted overhead stop or holder for interior doors as specified. Provide medium duty surface mounted overhead stop for interior doors and at any door that swings more than 140 degrees before striking wall, open against equipment, casework, sidelights, and where conditions do not allow wall stop or floor stop presents tripping hazard.
4. Where overhead holders are specified provide friction type at doors without closer and positive type at doors with closer.

2.16 DOOR STOPS AND HOLDERS

A. Manufacturers:

1. Scheduled Manufacturer: Ives
2. Acceptable Manufacturers: Burns, Rockwood

B. Provide door stops at each door leaf:

1. Provide wall stops wherever possible. Provide convex type where mortise type locks are used and concave type where cylindrical type locks are used.
2. Where a wall stop cannot be used, provide universal floor stops for low or high rise options.
3. Where wall or floor stop cannot be used, provide medium duty surface mounted overhead stop.

2.17 THRESHOLDS, SEALS, DOOR SWEEPS, AUTOMATIC DOOR BOTTOMS, AND GASKETING

A. Manufacturers:

1. Scheduled Manufacturer: Zero International
2. Acceptable Manufacturers: Pemko, Reese

B. Requirements:

1. Provide thresholds, weatherstripping (including door sweeps, seals, astragals) and gasketing systems (including smoke, sound, and light) as specified and per architectural details. Match finish of other items.
2. Size of thresholds:
 - a. Saddle Thresholds: 1/2 inch (13 mm) high by jamb width by door width
 - b. Bumper Seal Thresholds: 1/2 inch (13 mm) high by 5 inches (127 mm) wide by door width
3. Provide door sweeps, seals, astragals, and auto door bottoms only of type where resilient or flexible seal strip is easily replaceable and readily available.

2.18 SILENCERS

A. Manufacturers:

1. Scheduled Manufacturer: Ives
2. Acceptable Manufacturers: Burns, Rockwood

B. Requirements:

1. Provide "push-in" type silencers for hollow metal or wood frames.
2. Provide one silencer per 30 inches (762 mm) of height on each single frame, and two for each pair frame.
3. Omit where gasketing is specified.

2.19 MAGNETIC HOLDERS

A. Manufacturers:

1. Scheduled Manufacturer: LCN
2. Acceptable Manufacturers: Rixson, Sargent

B. Requirements:

1. Provide wall or floor mounted electromagnetic door release as specified with minimum of 25 pounds of holding force. Coordination projection of holder and

armature with other hardware and wall conditions to ensure that door sits parallel to wall when fully open. Wire magnetic holders on fire-rated doors into the fire control panel for fail-safe operation.

2.20 FINSHES

- A. Finish: BHMA 626/652 (US26D); except:
 - 1. Hinges at Exterior Doors: BHMA 630 (US32D)
 - 2. Continuous Hinges: BHMA 628 (US28)
 - 3. Push Plates, Pulls, and Push Bars: BHMA 630 (US32D)
 - 4. Protection Plates: BHMA 630 (US32D)
 - 5. Overhead Stops and Holders: BHMA 630 (US32D)
 - 6. Door Closers: Powder Coat to Match
 - 7. Wall Stops: BHMA 630 (US32D)
 - 8. Latch Protectors: BHMA 630 (US32D)
 - 9. Weatherstripping: Clear Anodized Aluminum
 - 10. Thresholds: Mill Finish Aluminum

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Prior to installation of hardware, examine doors and frames, with Installer present, for compliance with requirements for installation tolerances, labeled fire-rated door assembly construction, wall and floor construction, and other conditions affecting performance.
- B. Existing Door and Frame Compatibility: Field verify existing doors and frames receiving new hardware and existing conditions receiving new openings. Verify that new hardware is compatible with existing door and frame preparation and existing conditions.
- C. Examine roughing-in for electrical power systems to verify actual locations of wiring connections before electrified door hardware installation.
- D. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

- A. Where on-site modification of doors and frames is required:

1. Carefully remove existing door hardware and components being reused. Clean, protect, tag, and store in accordance with storage and handling requirements specified herein.
2. Field modify and prepare existing door and frame for new hardware being installed.
3. When modifications are exposed to view, use concealed fasteners, when possible.
4. Prepare hardware locations and reinstall in accordance with installation requirements for new door hardware and with:
 - a. Steel Doors and Frames: For surface applied door hardware, drill and tap doors and frames according to ANSI/SDI A250.6.
 - b. Wood Doors: DHI WDHS.5 "Recommended Hardware Reinforcement Locations for Mineral Core Wood Flush Doors."
 - c. Doors in rated assemblies: NFPA 80 for restrictions on on-site door hardware preparation.

3.3 INSTALLATION

- A. Mounting Heights: Mount door hardware units at heights to comply with the following, unless otherwise indicated or required to comply with governing regulations.
 1. Standard Steel Doors and Frames: ANSI/SDI A250.8.
 2. Custom Steel Doors and Frames: HMMA 831.
 3. Wood Doors: DHI WDHS.3, "Recommended Locations for Architectural Hardware for Wood Flush Doors."
- B. Install each hardware item in compliance with manufacturer's instructions and recommendations, using only fasteners provided by manufacturer.
- C. Do not install surface mounted items until finishes have been completed on substrate. Protect all installed hardware during painting.
- D. Set units level, plumb and true to line and location. Adjust and reinforce attachment substrate as necessary for proper installation and operation.
- E. Drill and countersink units that are not factory prepared for anchorage fasteners. Space fasteners and anchors according to industry standards.
- F. Install operating parts so they move freely and smoothly without binding, sticking, or excessive clearance.
- G. Hinges: Install types and in quantities indicated in door hardware schedule but not fewer than quantity recommended by manufacturer for application indicated or one hinge for every 30 inches (750 mm) of door height, whichever is more stringent,

- unless other equivalent means of support for door, such as spring hinges or pivots, are provided.
- H. Intermediate Offset Pivots: Where offset pivots are indicated, provide intermediate offset pivots in quantities indicated in door hardware schedule but not fewer than one intermediate offset pivot per door and one additional intermediate offset pivot for every 30 inches (750 mm) of door height greater than 90 inches (2286 mm).
- I. Lock Cylinders: Install construction cores to secure building and areas during construction period.
1. Replace construction cores with permanent cores as indicated in keying section.
- J. Wiring: Coordinate with Division 26, ELECTRICAL sections for:
1. Conduit, junction boxes and wire pulls.
 2. Connections to and from power supplies to electrified hardware.
 3. Connections to fire/smoke alarm system and smoke evacuation system.
 4. Connection of wire to door position switches and wire runs to central room or area, as directed by Architect.
 5. Testing and labeling wires with Architect's opening number.
- K. Key Control System: Tag keys and place them on markers and hooks in key control system cabinet, as determined by final keying schedule.
- L. Door Closers: Mount closers on room side of corridor doors, inside of exterior doors, and stair side of stairway doors from corridors. Closers shall not be visible in corridors, lobbies and other public spaces unless approved by Architect.
- M. Closer/holders: Mount closer/holders on room side of corridor doors, inside of exterior doors, and stair side of stairway doors.
- N. Power Supplies: Locate power supplies as indicated or, if not indicated, above accessible ceilings or in equipment room, or alternate location as directed by Architect.
1. Configuration: Provide least number of power supplies required to adequately serve doors with electrified door hardware.
- O. Thresholds: Set thresholds in full bed of sealant complying with requirements specified in Division 07 Section "Joint Sealants."
- P. Stops: Provide floor stops for doors unless wall or other type stops are indicated in door hardware schedule. Do not mount floor stops where they may impede traffic or present tripping hazard.
- Q. Perimeter Gasketing: Apply to head and jamb, forming seal between door and frame.

- R. Meeting Stile Gasketing: Fasten to meeting stiles, forming seal when doors are closed.
- S. Door Bottoms: Apply to bottom of door, forming seal with threshold when door is closed.

3.4 FIELD QUALITY CONTROL

- A. Architectural Hardware Consultant: Engage qualified independent Architectural Hardware Consultant to perform inspections and to prepare inspection reports.
 - 1. Architectural Hardware Consultant will inspect door hardware and state in each report whether installed work complies with or deviates from requirements, including whether door hardware is properly installed and adjusted.

3.5 FIELD INSPECTIONS:

- A. Fire Door Assembly Inspection and Testing: Provide functional testing and inspection of fire door assemblies in accordance with NFPA 80-2007/2010. Inspections shall be performed by individuals certified by Intertek as a Fire Door Assembly Inspector, using reporting forms provided by the Door and Hardware Institute (DHI). Alternatively, inspections may be performed by individuals acceptable to the Architect, who have knowledge and understanding of the operating components of the applicable door type, and who have experience in preparing written reports of testing and inspection results.
 - 1. Schedule fire door assembly inspection within 90 days of Substantial Completion of the Project.
 - 2. Submit a signed, written final report as specified in Paragraph 1.4: Submittals.
 - 3. Contractor shall correct all deficiencies and schedule a reinspection of fire door assemblies which were noted as deficient on the inspection report.
 - 4. Inspector shall reinspect fire door assemblies after repairs are made.
 - 5. Additional reinspections which are required due to incomplete repairs will be performed by the inspector at the expense of the Contractor.

3.6 ADJUSTING

- A. Initial Adjustment: Adjust and check each operating item of door hardware and each door to ensure proper operation or function of every unit. Replace units that cannot be adjusted to operate as intended. Adjust door control devices to compensate for final operation of heating and ventilating equipment and to comply with referenced accessibility requirements.

1. Spring Hinges: Adjust to achieve positive latching when door is allowed to close freely from an open position of 30 degrees.
 2. Electric Strikes: Adjust horizontal and vertical alignment of keeper to properly engage lock bolt.
 3. Door Closers: Adjust sweep period to comply with accessibility requirements and requirements of authorities having jurisdiction.
- B. Occupancy Adjustment: Approximately three months after date of Substantial Completion, Installer's Architectural Hardware Consultant shall examine and readjust each item of door hardware, including adjusting operating forces, as necessary to ensure function of doors, door hardware, and electrified door hardware.

3.7 CLEANING AND PROTECTION

- A. Clean adjacent surfaces soiled by door hardware installation.
- B. Clean operating items as necessary to restore proper function and finish.
- C. Provide final protection and maintain conditions that ensure door hardware is without damage or deterioration at time of Substantial Completion.

3.8 DEMONSTRATION

- A. Provide training for Owner's maintenance personnel to adjust, operate, and maintain door hardware and door hardware finishes. Refer to Division 01 Section "Demonstration and Training."

3.9 DOOR HARDWARE SCHEDULE

- A. Locksets, exit devices, and other hardware items are referenced in the following hardware sets for series, type and function. Refer to the above-specifications for special features, options, cylinders/keying, and other requirements.

HARDWARE SETS:

HARDWARE GROUP NO. 01

FOR USE ON DOOR #(S):

103	106	110	116	118	207
208	209	223			

PROVIDE EACH OPENING WITH THE FOLLOWING:

<u>QT</u>		<u>DESCRIPTION</u>	<u>CATALOG NUMBER</u>	<u>FINIS</u>	<u>MFR</u>
<u>Y</u>				<u>H</u>	
3	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQUIRED)	652	IVE
1	EA	ENTRANCE/OFFICE LOCK	ALX50T RHO	622	SCH
1	EA	FSIC CORE	23-030 EV29 T	626	SCH
1	EA	MOP PLATE	8400 4" X 1" LDW B-CS	630	IVE
1	EA	WALL STOP	WS406/407CCV	630	IVE
1	EA	GASKETING	488SBK PSA	BK	ZER

HARDWARE GROUP NO. 02

FOR USE ON DOOR #(S):

101	120	201	210
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PROVIDE EACH OPENING WITH THE FOLLOWING:

<u>QT</u>		<u>DESCRIPTION</u>	<u>CATALOG NUMBER</u>	<u>FINIS</u>	<u>MFR</u>
<u>Y</u>				<u>H</u>	
3	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQUIRED)	652	IVE
1	EA	PRIVACY LOCK	L9040 06A L583-363 L283-722	626	SCH
1	EA	SURFACE CLOSER	4050A REG OR PA AS REQ	689	LCN
1	EA	KICK PLATE	8400 10" X 1 1/2" LDW B-CS	630	IVE
1	EA	MOP PLATE	8400 4" X 1" LDW B-CS	630	IVE
1	EA	WALL STOP	WS406/407CCV	630	IVE
1	EA	GASKETING	488SBK PSA	BK	ZER

HARDWARE GROUP NO. 03

FOR USE ON DOOR #(S):

104

PROVIDE EACH OPENING WITH THE FOLLOWING:

<u>QT</u>		<u>DESCRIPTION</u>	<u>CATALOG NUMBER</u>	<u>FINIS</u>	<u>MFR</u>
<u>Y</u>				<u>H</u>	
3	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQUIRED)	652	IVE
1	EA	CLASSROOM LOCK	ALX70T RHO	622	SCH
1	EA	FSIC CORE	23-030 EV29 T	626	SCH
1	EA	OH STOP	90S	630	GLY
1	EA	MOP PLATE	8400 4" X 1" LDW B-CS	630	IVE
3	EA	SILENCER	SR64/SR65 AS REQ'D	GRY	IVE

HARDWARE GROUP NO. 04

FOR USE ON DOOR #(S):

117 121

PROVIDE EACH OPENING WITH THE FOLLOWING:

<u>QT</u>		<u>DESCRIPTION</u>	<u>CATALOG NUMBER</u>	<u>FINIS</u>	<u>MFR</u>
<u>Y</u>				<u>H</u>	
3	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQUIRED)	652	IVE
1	EA	PUSH PLATE	8200 4" X 16"	630	IVE
1	EA	PULL PLATE	8303 10" 4" X 16"	630	IVE
1	EA	SURFACE CLOSER	4050A REG OR PA AS REQ	689	LCN
1	EA	KICK PLATE	8400 10" X 1 1/2" LDW B-CS	630	IVE
1	EA	MOP PLATE	8400 4" X 1" LDW B-CS	630	IVE
1	EA	WALL STOP	WS406/407CCV	630	IVE
1	EA	GASKETING	488SBK PSA	BK	ZER

HARDWARE GROUP NO. 05

FOR USE ON DOOR #(S):

115 119 206 217 218

PROVIDE EACH OPENING WITH THE FOLLOWING:

<u>QT</u>		<u>DESCRIPTION</u>	<u>CATALOG NUMBER</u>	<u>FINIS</u>	<u>MFR</u>
<u>Y</u>				<u>H</u>	
3	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQUIRED)	652	IVE
1	EA	STOREROOM LOCK	ALX80T RHO	622	SCH
1	EA	FSIC CORE	23-030 EV29 T	626	SCH
1	EA	OH STOP	90S	630	GLY
1	EA	SURFACE CLOSER	4050A REG OR PA AS REQ	689	LCN
1	EA	KICK PLATE	8400 10" X 1 1/2" LDW B-CS	630	IVE
1	EA	MOP PLATE	8400 4" X 1" LDW B-CS	630	IVE
1	EA	GASKETING	488SBK PSA	BK	ZER

HARDWARE GROUP NO. 06

FOR USE ON DOOR #(S):

109 114 122

PROVIDE EACH OPENING WITH THE FOLLOWING:

<u>QT</u>		<u>DESCRIPTION</u>	<u>CATALOG NUMBER</u>	<u>FINIS</u>	<u>MFR</u>
<u>Y</u>				<u>H</u>	
3	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQUIRED)	652	IVE
1	EA	STOREROOM LOCK	ALX80T RHO	622	SCH
1	EA	FSIC CORE	23-030 EV29 T	626	SCH
1	EA	SURFACE CLOSER	4050A REG OR PA AS REQ	689	LCN
1	EA	KICK PLATE	8400 10" X 1 1/2" LDW B-CS	630	IVE
1	EA	MOP PLATE	8400 4" X 1" LDW B-CS	630	IVE
1	EA	WALL STOP	WS406/407CCV	630	IVE
1	EA	GASKETING	488SBK PSA	BK	ZER

HARDWARE GROUP NO. 07

FOR USE ON DOOR #(S):

211 212 213 215 216 221
222

PROVIDE EACH OPENING WITH THE FOLLOWING:

<u>QT</u>		<u>DESCRIPTION</u>	<u>CATALOG NUMBER</u>	<u>FINIS</u>	<u>MFR</u>
<u>Y</u>				<u>H</u>	
3	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQUIRED)	652	IVE
1	EA	PASSAGE SET	ALX10 RHO	622	SCH
1	EA	MOP PLATE	8400 4" X 1" LDW B-CS	630	IVE
1	EA	WALL STOP	WS406/407CCV	630	IVE
1	EA	GASKETING	488SBK PSA	BK	ZER

HARDWARE GROUP NO. 08

FOR USE ON DOOR #(S):

203

PROVIDE EACH OPENING WITH THE FOLLOWING:

<u>QT</u>		<u>DESCRIPTION</u>	<u>CATALOG NUMBER</u>	<u>FINIS</u>	<u>MFR</u>
<u>Y</u>				<u>H</u>	
3	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQUIRED)	652	IVE
1	EA	ELEC CLASSROOM LOCK	CO-100-CY-70-KP-RHO-J 4B BATTERY OPERATED	626	SCE
1	EA	FSIC CORE	23-030 EV29 T	626	SCH
1	EA	OH STOP	90S	630	GLY
1	EA	SURFACE CLOSER	4050A REG OR PA AS REQ	689	LCN
1	EA	KICK PLATE	8400 10" X 1 1/2" LDW B-CS	630	IVE
1	EA	MOP PLATE	8400 4" X 1" LDW B-CS	630	IVE
1	EA	GASKETING	488SBK PSA	BK	ZER

HARDWARE GROUP NO. 09

FOR USE ON DOOR #(S):

202A

PROVIDE EACH OPENING WITH THE FOLLOWING:

<u>QT</u>		<u>DESCRIPTION</u>	<u>CATALOG NUMBER</u>	<u>FINIS</u>	<u>MFR</u>
<u>Y</u>				<u>H</u>	
3	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQUIRED)	652	IVE
1	EA	CLASSROOM LOCK	ALX70T RHO	622	SCH
1	EA	FSIC CORE	23-030 EV29 T	626	SCH
1	EA	MOP PLATE	8400 4" X 1" LDW B-CS	630	IVE
1	EA	WALL STOP	WS406/407CCV	630	IVE
3	EA	SILENCER	SR64/SR65 AS REQ'D	GRY	IVE

HARDWARE GROUP NO. 10

FOR USE ON DOOR #(S):

202B

PROVIDE EACH OPENING WITH THE FOLLOWING:

<u>QT</u>		<u>DESCRIPTION</u>	<u>CATALOG NUMBER</u>	<u>FINIS</u>	<u>MFR</u>
<u>Y</u>				<u>H</u>	
3	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQUIRED)	652	IVE
1	EA	ELEC CLASSROOM LOCK	CO-100-CY-70-KP-RHO-J 4B BATTERY OPERATED	626	SCE
1	EA	FSIC CORE	23-030 EV29 T	626	SCH
1	EA	SURFACE CLOSER	4050A REG OR PA AS REQ	689	LCN
1	EA	KICK PLATE	8400 10" X 1 1/2" LDW B-CS	630	IVE
1	EA	MOP PLATE	8400 4" X 1" LDW B-CS	630	IVE
1	EA	WALL STOP	WS406/407CCV	630	IVE
1	EA	GASKETING	488SBK PSA	BK	ZER

HARDWARE GROUP NO. 11

FOR USE ON DOOR #(S):

219 220

PROVIDE EACH OPENING WITH THE FOLLOWING:

<u>QT</u>		<u>DESCRIPTION</u>	<u>CATALOG NUMBER</u>	<u>FINIS</u>	<u>MFR</u>
<u>Y</u>				<u>H</u>	
3	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQUIRED)	652	IVE
1	EA	CLASSROOM LOCK	ALX70T RHO	622	SCH
1	EA	FSIC CORE	23-030 EV29 T	626	SCH
1	EA	OH STOP	90S	630	GLY
1	EA	SURFACE CLOSER	4050A REG OR PA AS REQ	689	LCN
1	EA	KICK PLATE	8400 10" X 1 1/2" LDW B-CS	630	IVE
1	EA	MOP PLATE	8400 4" X 1" LDW B-CS	630	IVE
1	EA	GASKETING	488SBK PSA	BK	ZER

HARDWARE GROUP NO. 12

FOR USE ON DOOR #(S):

102 113

PROVIDE EACH OPENING WITH THE FOLLOWING:

<u>QT</u>		<u>DESCRIPTION</u>	<u>CATALOG NUMBER</u>	<u>FINIS</u>	<u>MFR</u>
<u>Y</u>				<u>H</u>	
3	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQUIRED)	652	IVE
1	EA	PANIC HARDWARE	CDSI-99-L-06	626	VON
1	EA	RIM HOUSING	20-079	626	SCH
1	EA	FSIC CORE	23-030 EV29 T	626	SCH
1	EA	SURFACE CLOSER	4050A REG OR PA AS REQ	689	LCN
1	EA	KICK PLATE	8400 10" X 1 1/2" LDW B-CS	630	IVE
1	EA	MOP PLATE	8400 4" X 1" LDW B-CS	630	IVE
1	EA	WALL STOP	WS406/407CCV	630	IVE
1	EA	GASKETING	488SBK PSA	BK	ZER

HARDWARE GROUP NO. 13

FOR USE ON DOOR #(S):

204

PROVIDE EACH OPENING WITH THE FOLLOWING:

<u>QT</u>		<u>DESCRIPTION</u>	<u>CATALOG NUMBER</u>	<u>FINIS</u>	<u>MFR</u>
<u>Y</u>				<u>H</u>	
3	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQUIRED)	652	IVE
1	EA	PANIC HARDWARE	CDSI-99-L-06	626	VON
1	EA	RIM HOUSING	20-079	626	SCH
1	EA	FSIC CORE	23-030 EV29 T	626	SCH
1	EA	OH STOP	90S	630	GLY
1	EA	SURFACE CLOSER	4050A REG OR PA AS REQ	689	LCN
1	EA	KICK PLATE	8400 10" X 1 1/2" LDW B-CS	630	IVE
1	EA	MOP PLATE	8400 4" X 1" LDW B-CS	630	IVE
1	EA	GASKETING	488SBK PSA	BK	ZER

End of Section

"General Decision Number: WV20220021 06/10/2022

Superseded General Decision Number: WV20210021

State: West Virginia

Construction Type: Building

County: Nicholas County in West Virginia.

BUILDING CONSTRUCTION PROJECTS (does not include single family homes or apartments up to and including 4 stories)

Note: Contracts subject to the Davis-Bacon Act are generally required to pay at least the applicable minimum wage rate required under Executive Order 14026 or Executive Order 13658. Please note that these Executive Orders apply to covered contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but do not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(2)-(60).

If the contract is entered into on or after January 30, 2022, or the contract is renewed or extended (e.g., an option is exercised) on or after January 30, 2022:	. Executive Order 14026 generally applies to the contract. . The contractor must pay all covered workers at least \$15.00 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in 2022.
If the contract was awarded on or between January 1, 2015 and January 29, 2022, and the contract is not renewed or extended on or after January 30, 2022:	. Executive Order 13658 generally applies to the contract. . The contractor must pay all covered workers at least \$11.25 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on that contract in 2022.

The applicable Executive Order minimum wage rate will be adjusted annually. If this contract is covered by one of the Executive Orders and a classification considered necessary for performance of work on the contract does not appear on this wage determination, the contractor must still submit a conformance request.

Additional information on contractor requirements and worker protections under the Executive Orders is available at <https://www.dol.gov/agencies/whd/government-contracts>.

Modification Number	Publication Date
0	01/07/2022
1	02/18/2022

2 02/25/2022
 3 03/18/2022
 4 06/10/2022

ASBE0080-002 03/07/2022

	Rates	Fringes
ASBESTOS WORKER/HEAT & FROST INSULATOR.....	\$ 34.00	27.92

BOIL0667-005 01/01/2021

	Rates	Fringes
BOILERMAKER.....	\$ 41.63	26.38

BRWV0009-001 12/01/2021

	Rates	Fringes
BRICK POINTER/CAULKER/CLEANER....	\$ 30.15	25.24

BRWV0015-010 06/01/2021

	Rates	Fringes
MASON - STONE.....	\$ 30.25	24.58

CARP0439-005 12/01/2021

	Rates	Fringes
CARPENTER (Including Drywall Hanging, Scaffold Builder and Floor Laying - Carpet, Hardwood, Resilient and Vinyl; Excluding Form Work).....	\$ 30.37	24.19

CARP0443-009 05/01/2021

	Rates	Fringes
MILLWRIGHT.....	\$ 35.50	26.75

ELEC0466-008 06/01/2021

	Rates	Fringes
ELECTRICIAN.....	\$ 38.15	21.97

ENGI0132-007 12/01/2018

	Rates	Fringes
POWER EQUIPMENT OPERATOR:		
GROUP 1.....	\$ 39.56	19.95
GROUP 2.....	\$ 39.21	19.95
GROUP 3.....	\$ 38.21	19.95
GROUP 4.....	\$ 27.71	19.95

GROUP 1: All Friction Cranes, Tower Cranes and all Cranes with 180 ft. or more of boom including mast and jibs or lifting capacity of 100 tons or more and hoists with 30,000 pound line pull or more

GROUP 2: Operating Cranes and Tower Cranes with a lifting capacity of 15 tons and over

GROUP 3: Backhoe, all other Cranes

GROUP 4: Bobcat/Skid Steer/Skid Loader, Roller, Oiler

IRON0549-006 12/01/2021

	Rates	Fringes
IRONWORKER (Ornamental).....	\$ 34.44	24.61

* IRON0787-006 06/01/2022

	Rates	Fringes
IRONWORKER (Reinforcing).....	\$ 31.50	23.75

LAB00379-019 12/01/2020

	Rates	Fringes
LABORER Wacker Roller Operator.....	\$ 26.32	16.50

LAB00453-003 12/01/2017

	Rates	Fringes
LABORER Concrete Saw (Hand Held/Walk Behind).....	\$ 22.76	16.75
Grouting.....	\$ 22.11	17.25

LAB00543-003 06/01/2020

	Rates	Fringes
LABORER.....	\$ 25.41	16.75

LABORER CLASSIFICATIONS

Asphalt Raker, Jack Hammer, Motorized Buggy Operator, Water Boy

LAB00984-005 12/01/2020

	Rates	Fringes
LABORER Group 2.....	\$ 21.94	15.75

LABORER CLASSIFICATIONS

GROUP 2: Airtool Operator, Asbestos Abatement (Removal from Floors, Walls, and Ceiling), Bobcat Operator (Clean up/Demolition), Dewatering, Rodman, Skytrak Forklift Operator

PAIN0970-007 12/01/2021

	Rates	Fringes
PAINTER (Drywall Finishing/Taping).....	\$ 29.85	17.70

PAIN1195-002 12/01/2021		

	Rates	Fringes
GLAZIER.....	\$ 31.50	11.38

PLAS0926-007 06/01/2018		

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER...	\$ 31.63	21.26

PLAS0926-008 06/01/2018		

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER...	\$ 31.63	21.26
PLASTERER.....	\$ 30.06	20.36

* UAVG-WV-0001 01/01/2021

	Rates	Fringes
CARPENTER (Form Work Only).....	\$ 29.81	23.45

* UAVG-WV-0002 01/01/2019		

	Rates	Fringes
LABORER (Carpenter Tender).....	\$ 23.32	16.12
LABORER (Chipping Gun).....	\$ 24.78	16.25
LABORER (Concrete Worker).....	\$ 23.57	16.17
LABORER (Grade Checker).....	\$ 23.45	16.16
LABORER (Landscape).....	\$ 22.99	16.35
LABORER (Mortar Mixer).....	\$ 23.35	16.06
LABORER (Pipelayer).....	\$ 23.94	16.34
LABORER (Scaffold Builder).....	\$ 23.28	16.24
LABORER (Tamper - Hand Held).....	\$ 24.75	16.04

* UAVG-WV-0028 01/01/2019

	Rates	Fringes
PLUMBER.....	\$ 32.54	24.58

SUWV2012-019 08/13/2012		

	Rates	Fringes
BRICKLAYER.....	\$ 27.50	12.35
IRONWORKER, STRUCTURAL.....	\$ 26.01	12.18
LABORER: Common or General.....	\$ 20.66	8.78
LABORER: Demolition.....	\$ 20.58	9.47
LABORER: Mason Tender - Brick...	\$ 21.47	8.29

LABORER: Mason Tender - Cement/Concrete.....	\$ 22.05	8.54
OPERATOR: Bulldozer.....	\$ 30.24	10.26
OPERATOR: Excavator.....	\$ 30.31	10.81
OPERATOR: Forklift.....	\$ 33.09	3.00
PAINTER: Brush, Roller and Spray.....	\$ 22.03	9.95
PIPEFITTER, Includes HVAC Pipe Installation.....	\$ 27.64	18.09
ROOFER.....	\$ 24.28	9.32
SHEET METAL WORKER, Includes HVAC Duct Installation.....	\$ 25.61	15.68
Truck Driver: Single and Double Axle Dump Trucks.....	\$ 28.52	3.00

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

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Note: Executive Order (EO) 13706, Establishing Paid Sick Leave for Federal Contractors applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2017. If this contract is covered by the EO, the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work, up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their own illness, injury or other health-related needs, including preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at <https://www.dol.gov/agencies/whd/government-contracts>.

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of "identifiers" that indicate whether the particular rate is a union rate (current union negotiated rate for local), a survey rate (weighted average rate) or a union average rate (weighted union average rate).

Union Rate Identifiers

A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than ""SU"" or ""UAVG"" denotes that the union classification and rate were prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

Survey Rate Identifiers

Classifications listed under the ""SU"" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can

be:

- * an existing published wage determination
- * a survey underlying a wage determination
- * a Wage and Hour Division letter setting forth a position on a wage determination matter
- * a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour National Office because National Office has responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

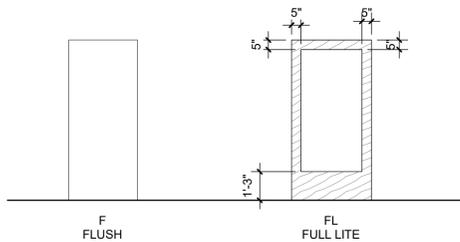
3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

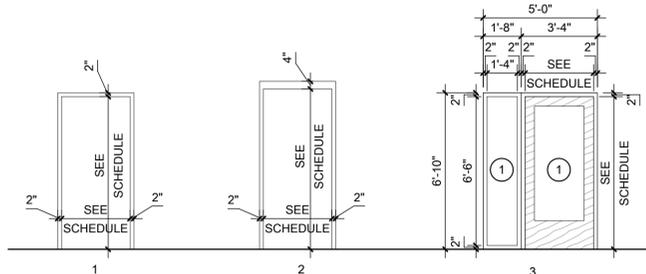
4.) All decisions by the Administrative Review Board are final.

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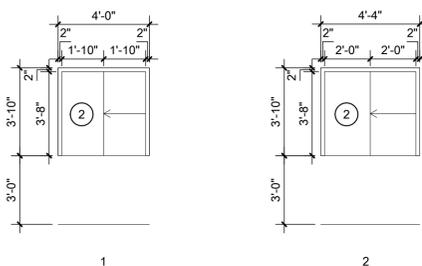
END OF GENERAL DECISIO"



DOOR TYPE LEGEND
1/4" = 1'-0"



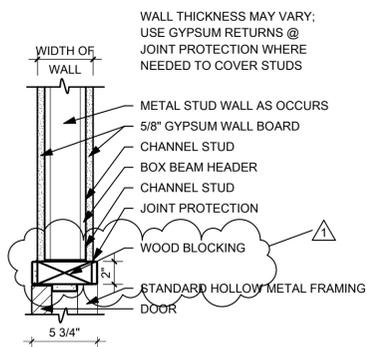
FRAME TYPE LEGEND
1/4" = 1'-0"



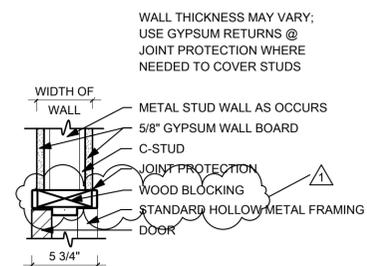
GLAZING TYPES

- 1 TEMPERED GLASS, CLEAR WITH TRANSLUCENT FILM
- 2 TEMPERED GLASS, CLEAR

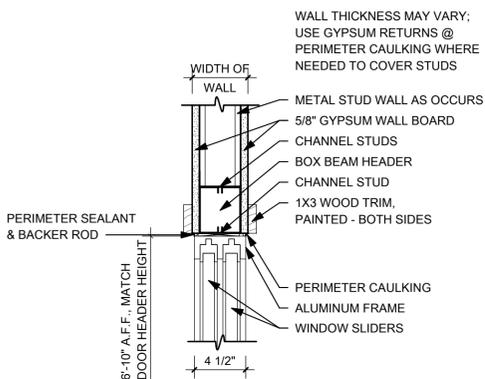
1 WINDOW ELEVATIONS
A6.01 1/4" = 1'-0"



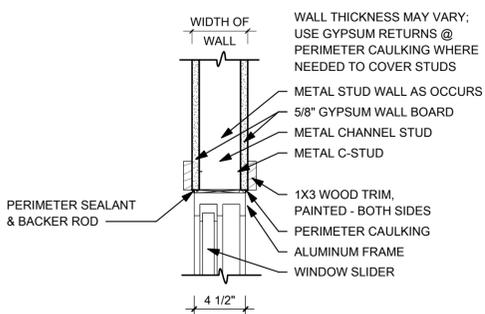
2 DOOR DETAIL - INTERIOR METAL STUD - HEAD
A6.01 1 1/2" = 1'-0"



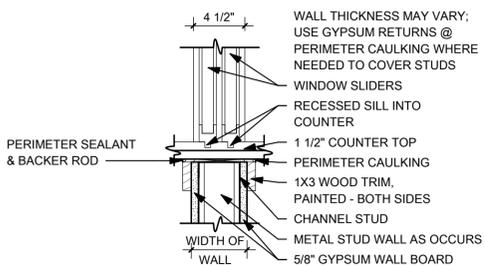
3 DOOR DETAIL - INTERIOR METAL STUD - JAMB
A6.01 1 1/2" = 1'-0"



4 SLIDING WINDOW DETAIL - INTERIOR METAL STUD - HEAD
A6.01 1 1/2" = 1'-0"



5 SLIDING WINDOW DETAIL - INTERIOR METAL STUD - JAMB
A6.01 1 1/2" = 1'-0"

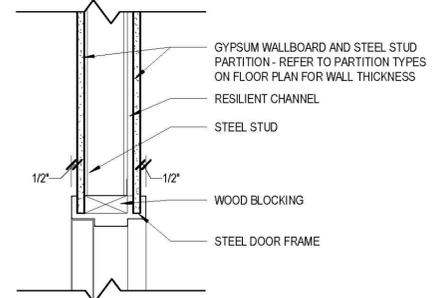


6 SLIDING WINDOW DETAIL - INTERIOR METAL STUD - SILL
A6.01 1 1/2" = 1'-0"

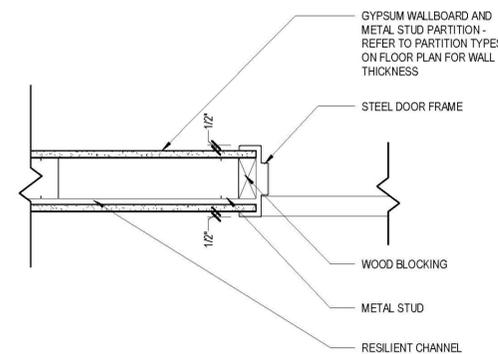
DOOR, FRAME, & HARDWARE SCHEDULE

MARK #	TYPE	DOOR					FRAME				ASSEMBLY		
		WIDTH	HEIGHT	THICKNESS	MATERIAL	FINISH	FRAME TYPE	FRAME DEPTH	FRAME MATERIAL	FRAME FINISH	FIRE RATING	HARDWARE SET	REMARKS
*101	F	3'-0"	6'-8"	1 3/4"	WOOD	CLEAR MAPLE	1	5 3/4"	H.M.	PAINTED		02	
*102	F	3'-0"	6'-8"	1 3/4"	WOOD	CLEAR MAPLE	1	5 3/4"	H.M.	PAINTED		12	
*103	F	3'-0"	6'-8"	1 3/4"	WOOD	CLEAR MAPLE	1	5 3/4"	H.M.	PAINTED		01	
*104	F	3'-0"	6'-8"	1 3/4"	WOOD	CLEAR MAPLE	1	5 3/4"	H.M.	PAINTED		03	
*106	F	3'-0"	6'-8"	1 3/4"	WOOD	CLEAR MAPLE	1	5 3/4"	H.M.	PAINTED		01	
*109	F	3'-0"	6'-8"	1 3/4"	WOOD	CLEAR MAPLE	1	5 3/4"	H.M.	PAINTED	45 MIN.	06	
*110	F	3'-0"	6'-8"	1 3/4"	WOOD	CLEAR MAPLE	1	5 3/4"	H.M.	PAINTED		01	
*113	F	3'-0"	6'-8"	1 3/4"	WOOD	CLEAR MAPLE	1	5 3/4"	H.M.	PAINTED		12	
*114	F	3'-0"	6'-8"	1 3/4"	WOOD	CLEAR MAPLE	1	5 3/4"	H.M.	PAINTED	45 MIN.	06	
*115	F	2'-10"	6'-8"	1 3/4"	WOOD	CLEAR MAPLE	1	5 3/4"	H.M.	PAINTED		05	
*116	F	3'-0"	6'-8"	1 3/4"	WOOD	CLEAR MAPLE	1	5 3/4"	H.M.	PAINTED		01	
*117	F	3'-0"	6'-8"	1 3/4"	WOOD	CLEAR MAPLE	1	5 3/4"	H.M.	PAINTED		04	
*118	F	3'-0"	6'-8"	1 3/4"	WOOD	CLEAR MAPLE	1	5 3/4"	H.M.	PAINTED		01	
*119	F	2'-6"	6'-8"	1 3/4"	WOOD	CLEAR MAPLE	1	5 3/4"	H.M.	PAINTED		05	
*120	F	3'-0"	6'-8"	1 3/4"	WOOD	CLEAR MAPLE	1	5 3/4"	H.M.	PAINTED		02	
*121	F	3'-0"	6'-8"	1 3/4"	WOOD	CLEAR MAPLE	1	5 3/4"	H.M.	PAINTED		04	
*122	F	3'-0"	6'-8"	1 3/4"	WOOD	CLEAR MAPLE	1	5 3/4"	H.M.	PAINTED		06	
201	F	3'-0"	6'-8"	1 3/4"	WOOD	CLEAR MAPLE	1	5 3/4"	H.M.	PAINTED		02	
202A	F	3'-0"	6'-8"	1 3/4"	WOOD	CLEAR MAPLE	1	5 3/4"	H.M.	PAINTED		09	
202B	F	3'-0"	6'-8"	1 3/4"	WOOD	CLEAR MAPLE	1	5 3/4"	H.M.	PAINTED		10	
203	F	3'-0"	6'-8"	1 3/4"	WOOD	CLEAR MAPLE	1	5 3/4"	H.M.	PAINTED		08	
204	FL	3'-0"	6'-8"	1 3/4"	WOOD	CLEAR MAPLE	3	5 3/4"	H.M.	PAINTED		13	
206	F	2'-6"	6'-8"	1 3/4"	WOOD	CLEAR MAPLE	1	5 3/4"	H.M.	PAINTED		05	
207	F	3'-0"	6'-8"	1 3/4"	WOOD	CLEAR MAPLE	1	5 3/4"	H.M.	PAINTED		01	
208	F	3'-0"	6'-8"	1 3/4"	WOOD	CLEAR MAPLE	1	5 3/4"	H.M.	PAINTED		01	
209	F	3'-0"	6'-8"	1 3/4"	WOOD	CLEAR MAPLE	1	5 3/4"	H.M.	PAINTED		01	
210	T	3'-0"	6'-8"	1 3/4"	WOOD	CLEAR MAPLE	1	6 3/8"	H.M.	PAINTED		02	
211	T	3'-0"	6'-8"	1 3/4"	WOOD	CLEAR MAPLE	1	6 3/8"	H.M.	PAINTED		07	
212	T	3'-0"	6'-8"	1 3/4"	WOOD	CLEAR MAPLE	1	6 3/8"	H.M.	PAINTED		07	
213	T	3'-0"	6'-8"	1 3/4"	WOOD	CLEAR MAPLE	1	6 3/8"	H.M.	PAINTED		07	
215	T	3'-0"	6'-8"	1 3/4"	WOOD	CLEAR MAPLE	1	6 3/8"	H.M.	PAINTED		07	
216	T	3'-0"	6'-8"	1 3/4"	WOOD	CLEAR MAPLE	1	6 3/8"	H.M.	PAINTED		07	
217	F	2'-0"	6'-8"	1 3/4"	WOOD	CLEAR MAPLE	1	5 3/4"	H.M.	PAINTED		05	
218	F	3'-0"	6'-8"	1 3/4"	WOOD	CLEAR MAPLE	1	5 3/4"	H.M.	PAINTED		05	
219	F	3'-0"	6'-8"	1 3/4"	WOOD	CLEAR MAPLE	1	5 3/4"	H.M.	PAINTED		11	
220	F	3'-0"	6'-8"	1 3/4"	WOOD	CLEAR MAPLE	1	5 3/4"	H.M.	PAINTED		11	
221	T	3'-0"	6'-8"	1 3/4"	WOOD	CLEAR MAPLE	1	6 3/8"	H.M.	PAINTED		07	
222	T	3'-0"	6'-8"	1 3/4"	WOOD	CLEAR MAPLE	1	6 3/8"	H.M.	PAINTED		07	
223	F	3'-0"	6'-8"	1 3/4"	WOOD	CLEAR MAPLE	1	5 3/4"	H.M.	PAINTED		01	

NOTES
1.) OWNER SHALL APPROVE FINISHES BEFORE ORDERING BY CONTRACTOR



7 DOOR DETAIL - INTERIOR METAL STUD (PARTITION TYPE 2) - HEAD
A6.01 1 1/2" = 1'-0"



8 DOOR DETAIL - INTERIOR METAL STUD (PARTITION TYPE 2) - JAMB
A6.01 1 1/2" = 1'-0"

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6/1/2022

NO.	BY	DATE	DESCRIPTION
1			

COG RICHWOOD CLINIC RENOVATIONS
CAMDEN FAMILY HEALTH
RICHWOOD, WV
JUNE 1, 2022
CONSTRUCTION DOCUMENTS

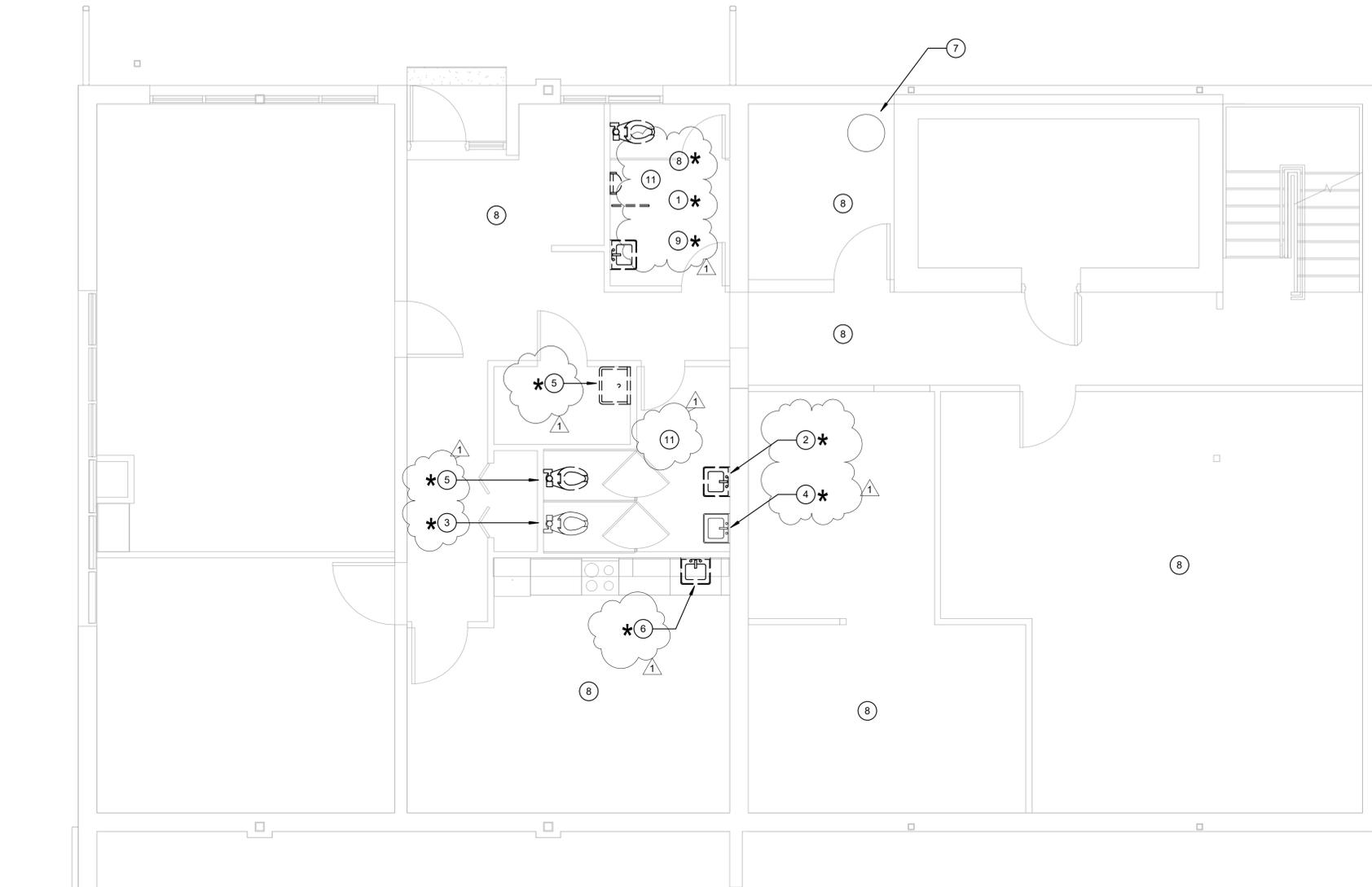
DRAWN: SGF DATE: 6/1/2022
CHECKED: CCA DATE: 6/1/2022
APPROVED: CCA DATE: 6/1/2022

PROJECT No. 060-10260

SCHEDULES & DIAGRAMS

SHEET No. **A6.01**

2 GROUND FLOOR PLUMBING PLAN - DEMOLITION
 PD3.01 1/4" = 1'-0"



DEMOLITION KEY NOTES

1. REMOVE EXISTING PLUMBING FIXTURES AND ALL ASSOCIATED PIPING.
2. REMOVE EXISTING LAVATORY AND ALL ASSOCIATED PIPING.
3. REMOVE EXISTING WATER CLOSET. EXISTING ASSOCIATED PIPING TO REMAIN FOR NEW FIXTURE.
4. REMOVE EXISTING LAVATORY. EXISTING ASSOCIATED PIPING TO REMAIN FOR NEW FIXTURE.
5. REMOVE EXISTING WATER CLOSET AND ALL ASSOCIATED PIPING.
6. REMOVE EXISTING SINK. EXISTING ASSOCIATED PIPING TO REMAIN FOR NEW FIXTURE.
7. REMOVE EXISTING GAS WATER HEATER. CAP EXISTING GAS LINE FOR NEW GAS WATER HEATER.
8. REMOVE EXISTING WATER LINES ABOVE CEILING.
9. REMOVE EXISTING WASTE LINE BELOW SLAB AND CAP AT MAIN.
10. EXISTING MOP SINK TO REMAIN, ALL ASSOCIATED PIPING TO REMAIN.
11. EXISTING RESTROOMS TO REMAIN OPERATIONAL AS PART OF BASE BID. COORDINATE WITH OTHER WORK AS REQUIRED TO MAINTAIN FUNCTIONING RESTROOMS.

ALTERNATE #1 GENERAL NOTES

1. ALL KEYNOTES AND OTHER ANNOTATION DENOTED WITH AN (*) SHALL BE PART OF ALTERNATE #1.
2. IF CONFLICT OCCURS BETWEEN BASE BID SCOPE AND ALTERNATE #1, NOTIFY ARCHITECT PRIOR TO EXECUTING WORK.

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NO.	BY	DATE	DESCRIPTION
1		6/15/2022	Addendum #1

**COG RICHWOOD CLINIC
 RENOVATIONS**
 CAMDEN FAMILY HEALTH
 RICHWOOD, WV
 JUNE 1, 2022
 ISSUED FOR CONSTRUCTION

DRAWN: DEB DATE: 05/02/22
 CHECKED: KES DATE: 05/02/22
 APPROVED: TTG DATE: 05/02/22

PROJECT No.
 060-10260

GROUND FLOOR
 DEMOLITION PLAN -
 PLUMBING
 SHEET No.

PD3.01

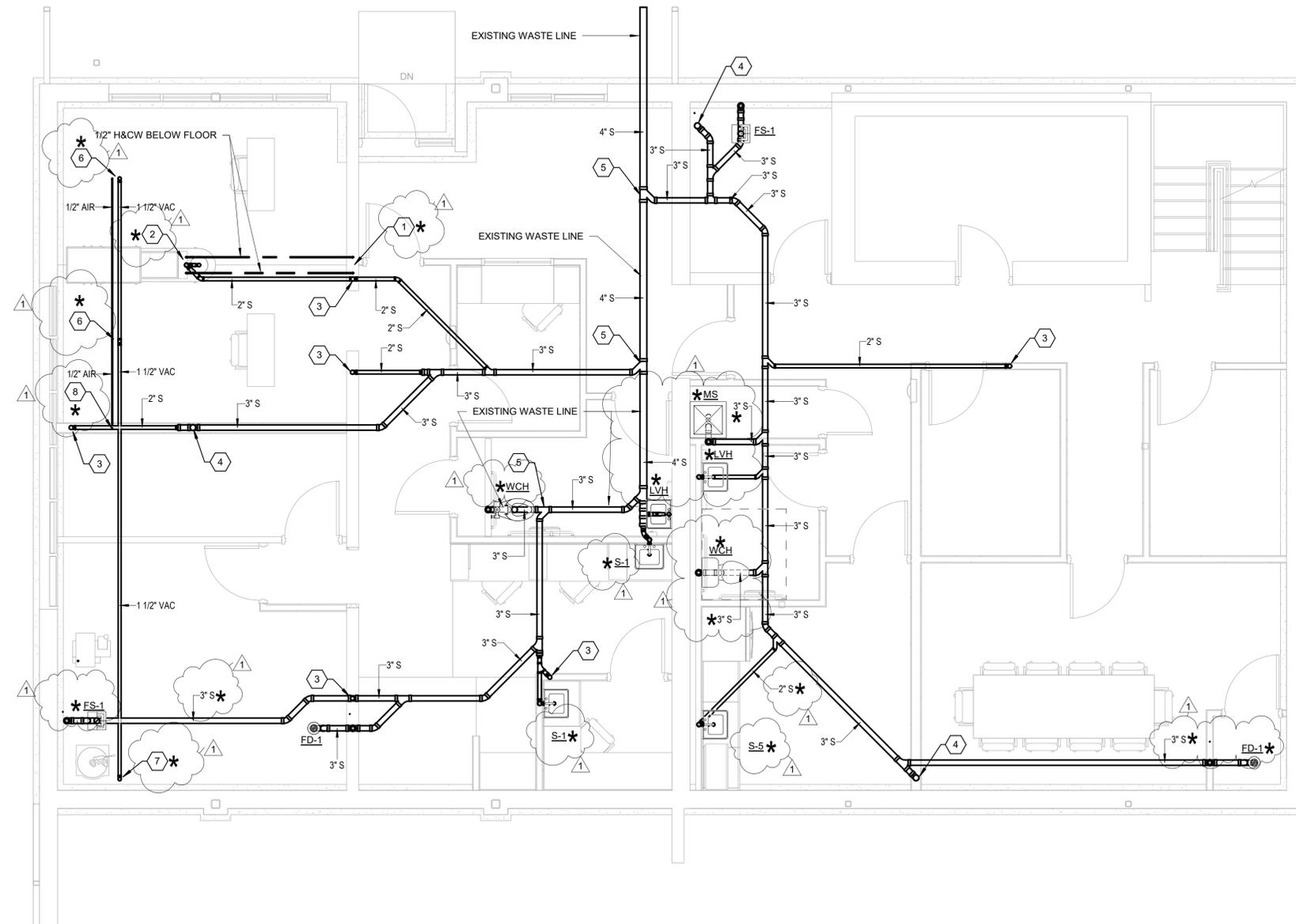


PLUMBING KEY NOTES

1. 1/2" HOT AND COLD WATER LINES DOWN FROM ABOVE FLOOR.
2. 1/2" HOT AND COLD WATER LINES UP TO ABOVE FLOOR.
3. 2" WASTE LINE DOWN FROM ABOVE.
4. 3" WASTE LINE DOWN FROM ABOVE.
5. CONNECT TO EXISTING WASTE LINE AT THIS LOCATION. CONTRACTOR TO FIELD VERIFY ALL EXISTING INVERTS OF EXISTING WASTE LINES BEFORE STARTING CONSTRUCTION. IF THERE IS AN ISSUE CONTRACTOR TO NOTIFY ARCHITECT AND ENGINEER BEFORE PROCEEDING WITH CONSTRUCTION.
6. 1 1/2" MEDICAL VACUUM AND 1/2" MEDICAL AIR UP. COORDINATE EXACT LOCATION OF MEDICAL VACUUM AND MEDICAL AIR OUTLETS BEFORE STARTING CONSTRUCTION TO VERIFY PROPER LOCATIONS OF MEDICAL VAC AND MEDICAL AIR RISERS FROM BELOW FLOOR.
7. MEDICAL VACUUM LINE DOWN FROM ABOVE FLOOR.
8. MEDICAL AIR SUPPLY LINE DOWN FROM ABOVE FLOOR.

ALTERNATE #1 GENERAL NOTES

1. ALL KEYNOTES AND OTHER ANNOTATION DENOTED WITH AN (*) SHALL BE PART OF ALTERNATE #1.
2. IF CONFLICT OCCURS BETWEEN BASE BID SCOPE OF WORK AND ALTERNATE #1, NOTIFY ARCHITECT PRIOR TO EXECUTING WORK.



1 BELOW GROUND FLOOR PLUMBING PLAN - NEW
P3.01 1/4" = 1'-0"

NO.	BY	DATE	DESCRIPTION
1			
6/15/2022			Addendum #1

**COG RICHWOOD CLINIC
RENOVATIONS**
CAMDEN FAMILY HEALTH
RICHWOOD, WV
JUNE 1, 2022
ISSUED FOR CONSTRUCTION

DRAWN: DEB DATE: 10/09/20
CHECKED: KES DATE: 10/09/20
APPROVED: KES DATE: 10/09/20

PROJECT No. 060-10260

BELOW GROUND FLOOR NEW WORK PLAN - PLUMBING
SHEET No.

P3.01

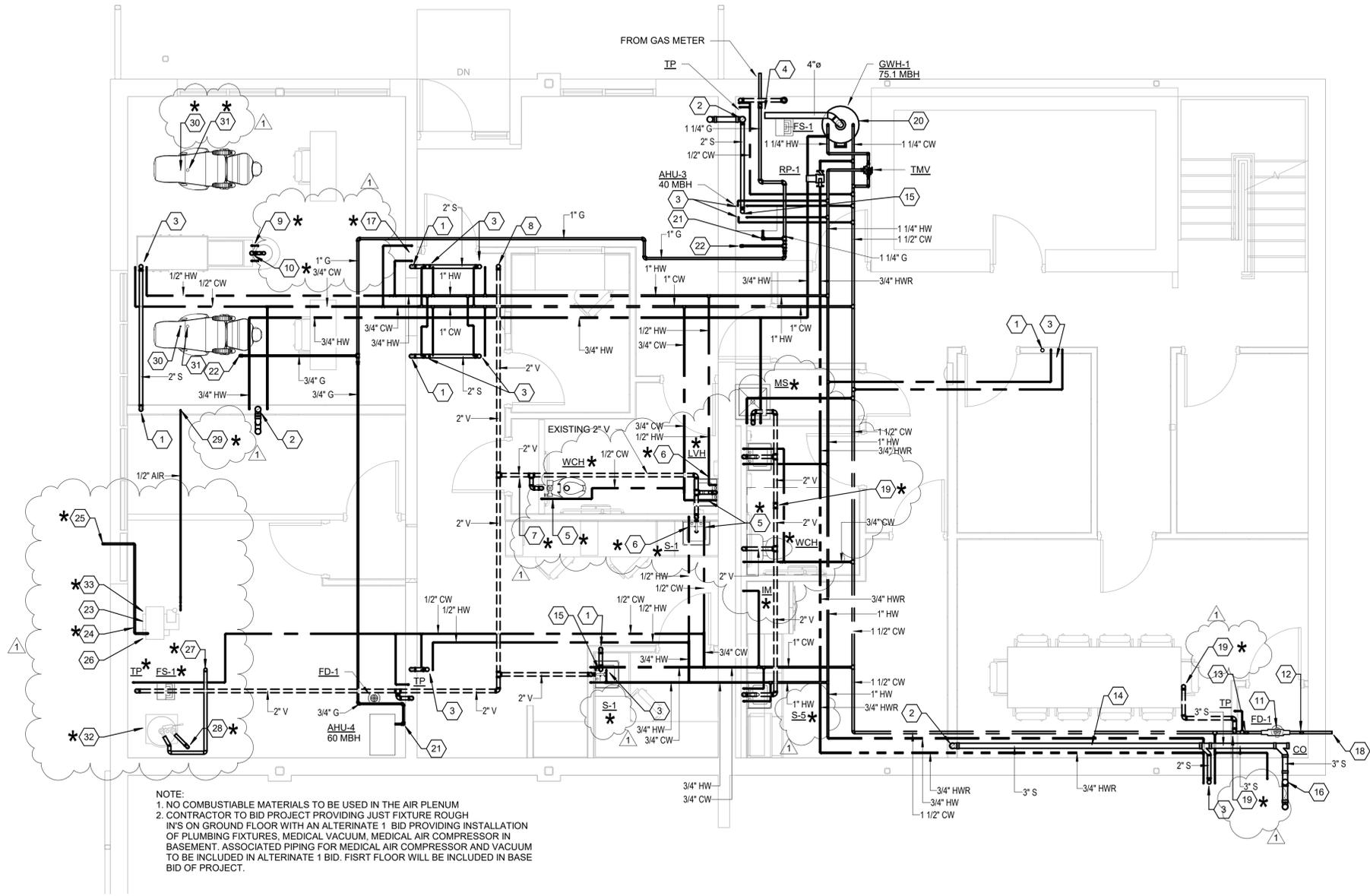


PLUMBING KEY NOTES

1. 2" WASTE LINE DOWN.
2. 3" WASTE LINE DOWN.
3. 1/2" HOT AND COLD WATER UP.
4. CONNECT NEW 4" FLUE DUCT TO EXISTING FLUE DUCT AT THIS LOCATION.
5. CONNECT NEW COLD WATER LINE TO EXISTING COLD WATER LINE AT THIS LOCATION.
6. CONNECT NEW HOT WATER LINE TO EXISTING HOT WATER LINE AT THIS LOCATION.
7. CONNECT NEW 2" VENT LINE TO EXISTING 2" VENT LINE AT THIS LOCATION.
8. EXISTING 2" VENT LINE UP.
9. 1/2" HOT AND COLD WATER LINES UP FROM BELOW FLOOR.
10. PROVIDE AND INSTALL AN AIR ADMITTANCE VALVE.
11. PROVIDE AND INSTALL A 1 1/2" REDUCED PRESSURE BACKFLOW PREVENTER AT THIS LOCATION.
12. 1 1/2" COLD WATER LINE DOWN.
13. 1 1/2" COLD WATER LINE UP.
14. 3" WASTE, 1 1/2" COLD WATER, 3/4" HOT WATER AND 3/4" HOT WATER RECIRCULATION LINES IN SOFFIT.
15. 2" WASTE LINE DOWN FROM ABOVE.
16. 3" WASTE LINE DOWN FROM ABOVE.
17. 1/2" HOT AND COLD WATER DOWN TO BELOW FLOOR.
18. SEE SITE UTILITY PLAN FOR CONTINUATION.
19. 2" VENT LINE UP.
20. PROVIDE AND INSTALL NEW GAS WATER HEATER AT THIS LOCATION PER MANUFACTURERS RECOMMENDATIONS. ROUTE T&P VALVE TO FLOOR SINK WITH AIR GAP.
21. 3/4" GAS LINE DOWN TO AIR HANDLER UNIT. CONNECT TO UNIT PER MANUFACTURERS RECOMMENDATION.
22. 3/4" GAS LINE UP.
23. FRESH AIR INTAKE TO BE ROUTED TO AN AIR SOURCE OUTSIDE OF EQUIPMENT ROOM. INCOMING FRESH AIR TEMPERATURE MUST NOT EXCEED ROOM TEMPERATURE BY MORE THAN 20 DEGREES FAHRENHEIT.
24. DO NOT INSTALL TIGHT BENDS IN FRESH AIR INTAKE HOSES. TIGHT BENDS WILL CAUSE THEM TO COLLAPSE, LEADING TO COMPRESSOR FAILURE.
25. ROUTE 1" FRESH AIR INTAKE TO OUTSIDE. TURN DOWN AND PROVIDE BUG SCREEN. INSTALL PER MANUFACTURERS RECOMMENDATION.
26. ROUTE AIR COMPRESSOR DRAIN TO FLOOR SINK WITH AIR GAP. INTSALL A MINIMUM OF 10'-0" FROM BUILDING OR EQUIPMENT EXHAUST. INSTALL PER MANUFACTURERS RECOMMENDATION.
27. ROUTE 2" MEDICAL VACUUM EXHAUST UP.
28. 1 1/2" MEDICAL VACUUM DOWN TO BELOW FLOOR.
29. 1/2" MEDICAL AIR DOWN TO BELOW FLOOR.
30. 1/2" MEDICAL AIR LINE UP FROM BELOW FLOOR COORDINATE WITH MEDICAL SUPPLY EQUIPMENT FOR EXACT LOCATION OF OUTLETS BEFORE STARTING CONSTRUCTION.
31. 1 1/2" MEDICAL VACUUM LINE UP FROM BELOW FLOOR COORDINATE WITH MEDICAL SUPPLY EQUIPMENT FOR EXACT LOCATION OF OUTLETS BEFORE STARTING CONSTRUCTION.
32. INSTALL MEDICAL VACUUM AND ALL PIPING PER MANUFACTURERS RECOMMENDATION.
33. INSTALL MEDICAL AIR COMPRESSOR AND ALL PIPING PER MANUFACTURERS RECOMMENDATION.

ALTERNATE #1 GENERAL NOTES

1. ALL KEYNOTES AND OTHER ANNOTATION DENOTED WITH AN (*) SHALL BE PART OF ALTERNATE #1.
2. IF CONFLICT OCCURS BETWEEN BASE BID SCOPE OF WORK AND ALTERNATE #1, NOTIFY ARCHITECT PRIOR TO EXECUTING WORK.



NOTE:
1. NO COMBUSTIBLE MATERIALS TO BE USED IN THE AIR PLENUM
2. CONTRACTOR TO BID PROJECT PROVIDING JUST FIXTURE ROUGH IN'S ON GROUND FLOOR WITH AN ALTERNATE 1 BID PROVIDING INSTALLATION OF PLUMBING FIXTURES, MEDICAL VACUUM, MEDICAL AIR COMPRESSOR IN BASEMENT. ASSOCIATED PIPING FOR MEDICAL AIR COMPRESSOR AND VACUUM TO BE INCLUDED IN ALTERNATE 1 BID. FIRST FLOOR WILL BE INCLUDED IN BASE BID OF PROJECT.

1 GROUND FLOOR PLUMBING PLAN - NEW
P3.02 1/4" = 1'-0"

NO.	BY	DATE	DESCRIPTION
1		6/15/2022	ADDENDUM #1

COG RICHWOOD CLINIC RENOVATIONS
CAMDEN FAMILY HEALTH
RICHWOOD, WV
JUNE 1, 2022
ISSUED FOR CONSTRUCTION

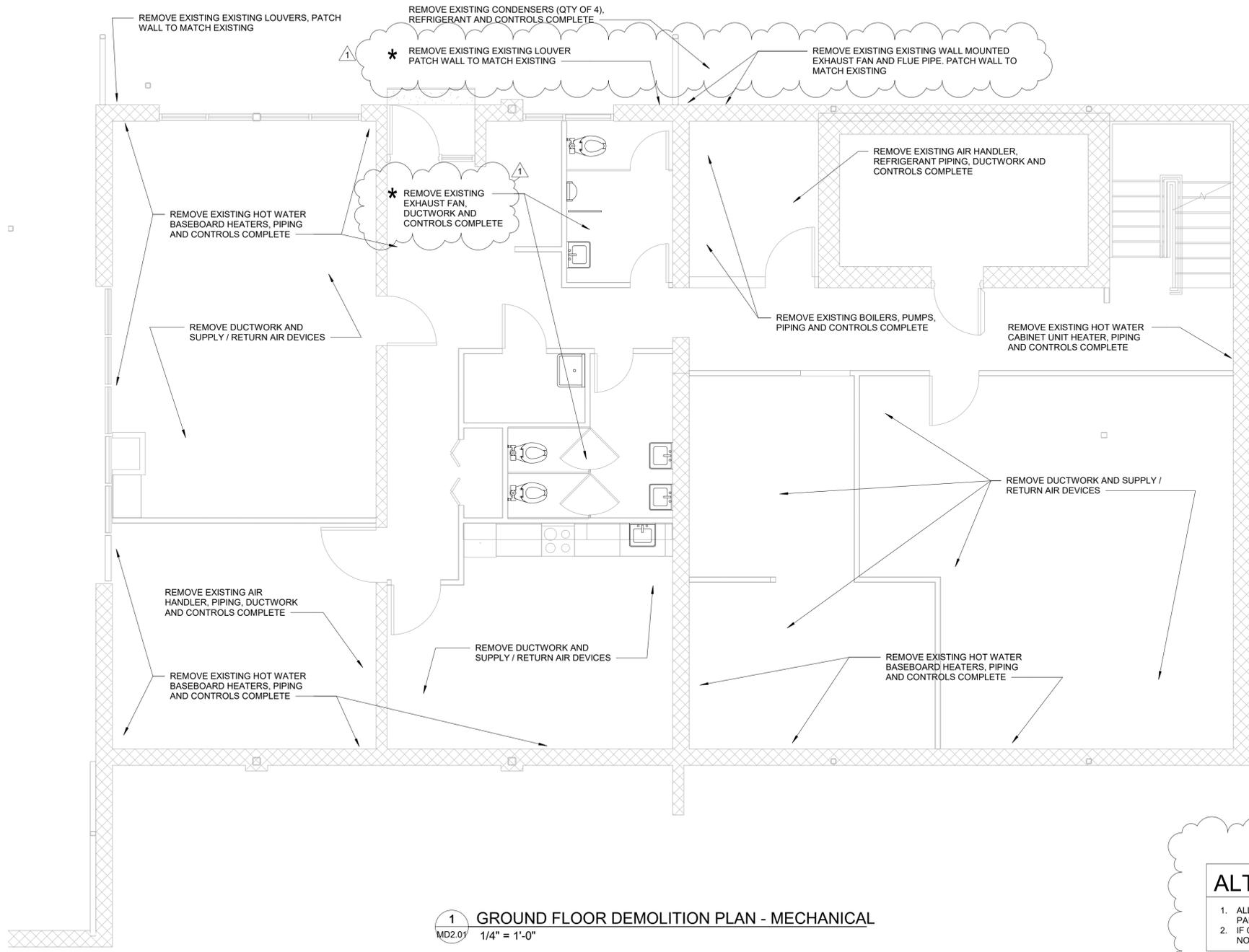
DRAWN: DEB DATE: 05/02/22
CHECKED: KES DATE: 05/02/22
APPROVED: TTG DATE: 05/02/22

PROJECT No. 060-10260

GROUND FLOOR NEW WORK PLAN - PLUMBING
SHEET No.

P3.02

LAYOUT TAB: GROUND FLOOR DEMOLITION PLAN - MECHANICAL
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 PLOT DATE/TIME: 6/15/2022 3:10:20 PM
 USER: TTG



1 GROUND FLOOR DEMOLITION PLAN - MECHANICAL
 MD2.01 1/4" = 1'-0"

ALTERNATE #1 GENERAL NOTES

1. ALL KEYNOTES AND OTHER ANNOTATION DENOTED WITH AN (*) SHALL BE PART OF ALTERNATE #1.
2. IF CONFLICT OCCURS BETWEEN BASE BID SCOPE AND ALTERNATE #1, NOTIFY ARCHITECT PRIOR TO EXECUTING WORK.

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KENNETH E. SMITH
 REGISTERED
 011672
 STATE OF
 PROFESSIONAL ENGINEER
 6/11/2022

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1		6/15/2022	Addendum #1

**COG RICHWOOD CLINIC
 RENOVATIONS**
 CAMDEN FAMILY HEALTH
 RICHWOOD, WV
 JUNE 1, 2022
 ISSUED FOR CONSTRUCTION

DRAWN: TTG DATE: 05/24/22
 CHECKED: TTG DATE: 05/24/22
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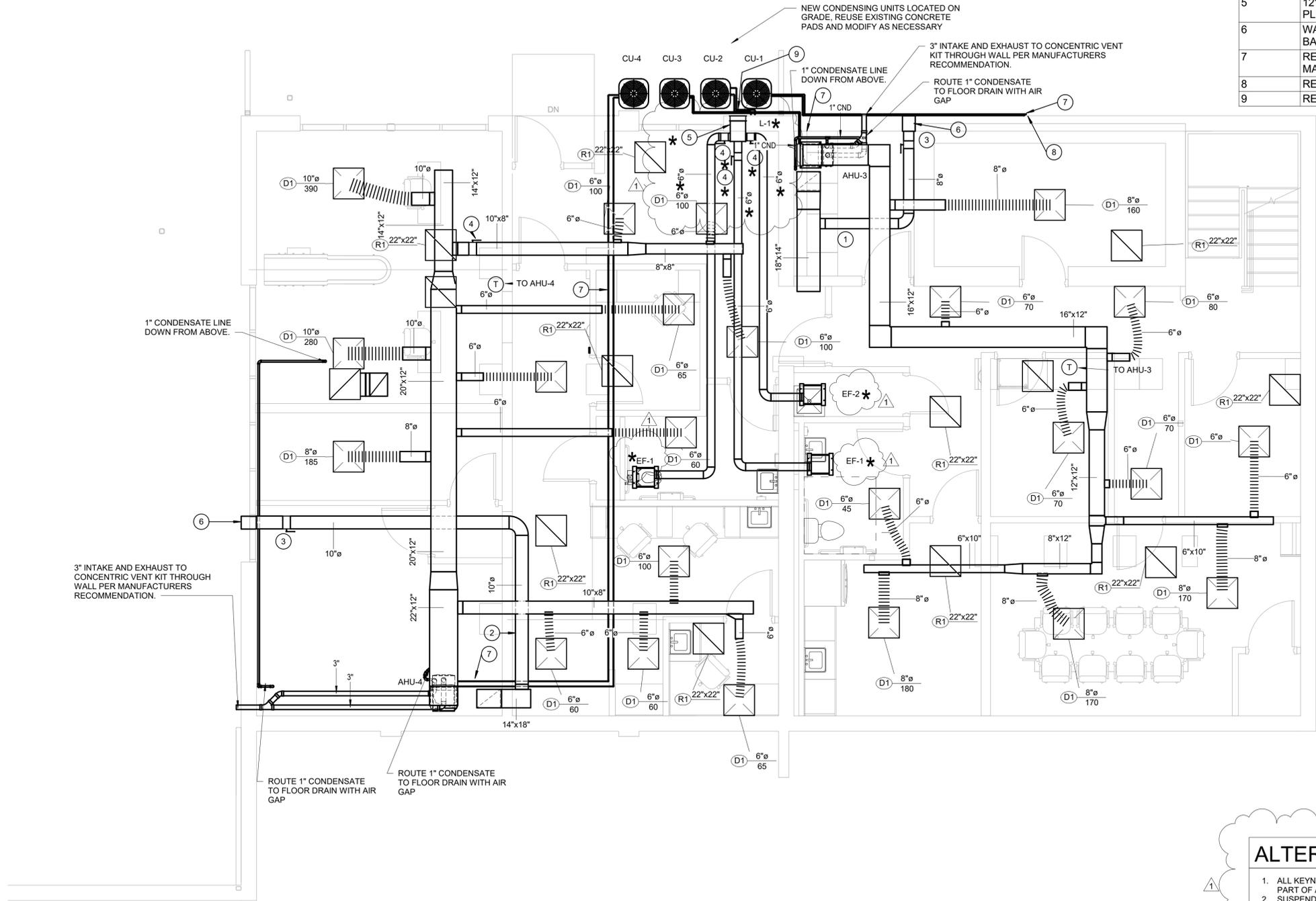
PROJECT No.
 060-10260

GROUND FLOOR DEMOLITION PLAN - MECHANICAL
 SHEET No.
MD2.01

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GROUND FLOOR HVAC KEYNOTES	
NOTE #	DESCRIPTION
1	INSULATED 8" OUTDOOR AIR DUCT WITH AN AIRFLOW OF 150 CFM.
2	INSULATED 10" OUTDOOR AIR DUCT WITH AN AIRFLOW OF 190 CFM.
3	BALANCING DAMPER
4	BACK DRAFT DAMPER
5	12" x 12" x 16" INSULATED OUTSIDE AIR PLENUM.
6	WALL CAP WITH BIRD SCREEN AND BACKDRAFT DAMPER.
7	REFRIGERANT PIPING SIZED PER MANUFACTURERS'S RECOMMENDATION.
8	REFRIGERANT PIPING UP TO AHU-1
9	REFRIGERANT PIPING UP TO AHU-2.



1 GROUND FLOOR NEW WORK PLAN - MECHANICAL
M2.01 1/4" = 1'-0"

ALTERNATE #1 GENERAL NOTES

- ALL KEYNOTES AND OTHER ANNOTATION DENOTED WITH AN (*) SHALL BE PART OF ALTERNATE #1.
- SUSPEND ALL CEILING SUPPLY AIR DEVICES FROM STRUCTURE ABOVE AS PART OF BASE BID. CEILING SUPPLY AIR DEVICES TO BE LOCATED IN CEILING GRID AS PART OF ALTERNATE #1.
- ALL CEILING RETURN AIR DEVICES ARE NOT TO BE INSTALLED AS PART OF BASE BID. CEILING RETURN AIR DEVICES TO BE LOCATED IN CEILING GRID AS PART OF ALTERNATE #1.
- IF CONFLICT OCCURS BETWEEN BASE BID SCOPE AND ALTERNATE #1, NOTIFY ARCHITECT PRIOR TO EXECUTING WORK.

NO.	BY	DATE	DESCRIPTION
1		6/15/2022	Addendum #1

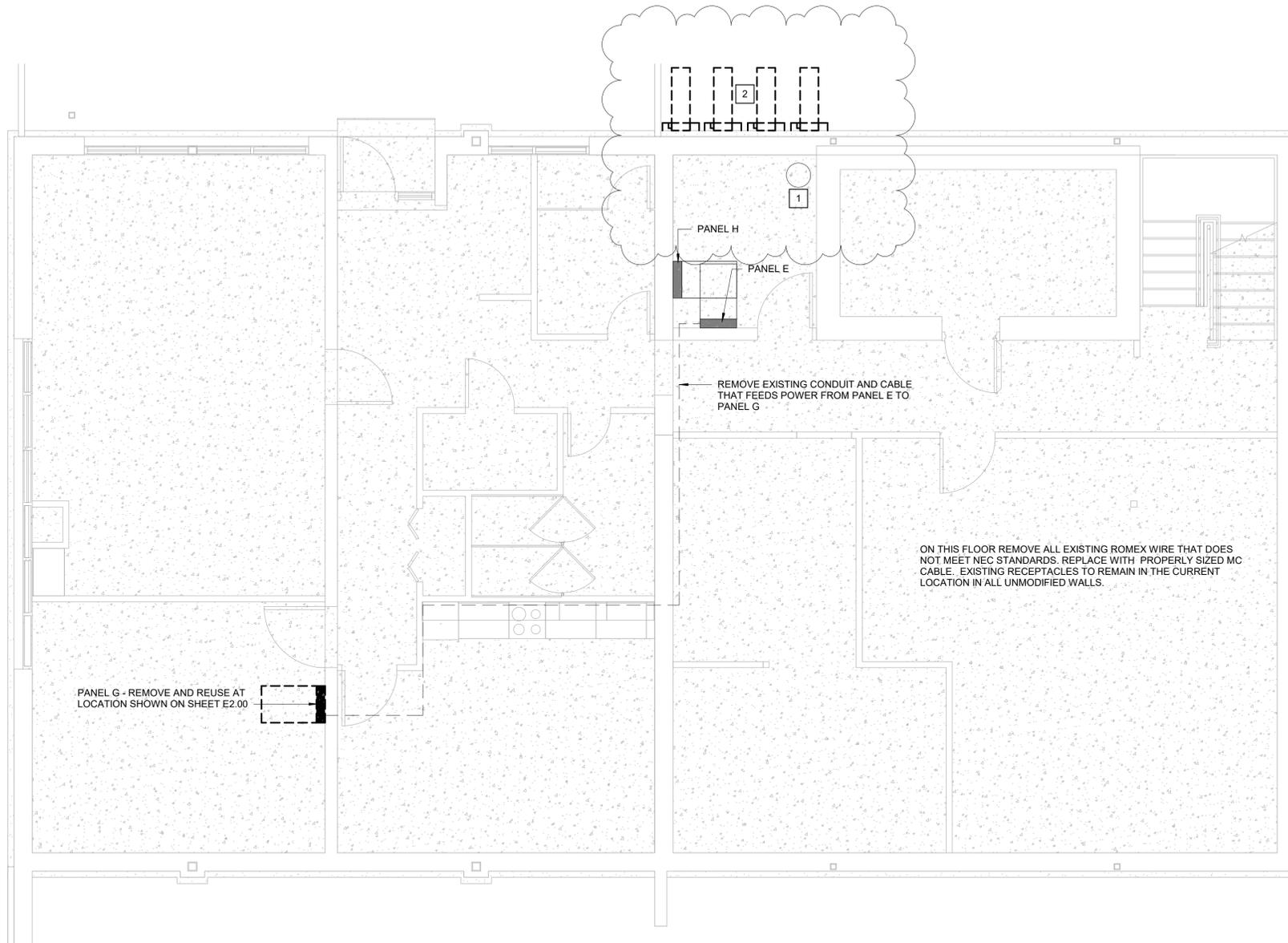
COG RICHWOOD CLINIC RENOVATIONS
CAMDEN FAMILY HEALTH
RICHWOOD, WV
JUNE 1, 2022
ISSUED FOR CONSTRUCTION

DRAWN: TTG DATE: 05/24/22
CHECKED: TTG DATE: 05/24/22
APPROVED: KES DATE: 05/24/22

PROJECT No. 060-10260
GROUND FLOOR NEW WORK PLAN - MECHANICAL
SHEET No.

M2.01

LAYOUT TAB: GROUND FLOOR NEW WORK PLAN - MECHANICAL
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PLOT DATE/TIME: 6/15/2022 3:05:57 PM
USER: TTG



1 GROUND FLOOR POWER PLAN - DEMOLITION
 ED2.00 1/4" = 1'-0"

GENERAL POWER DEMOLITION NOTES:

- PANELS E AND H ARE TO REMAIN.

1

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1		6/15/2022	Addendum #1

**COG RICHWOOD CLINIC
 RENOVATIONS**
 CAMDEN FAMILY HEALTH
 RICHWOOD, WV
 JUNE 1, 2022
 ISSUED FOR CONSTRUCTION

DRAWN: Author DATE: 05/24/22
 CHECKED: Checker DATE: 05/24/22
 APPROVED: Approver DATE: 05/24/22

PROJECT No.
 060-10260

GROUND FLOOR
 ELECTRICAL
 DEMOLITION PLAN
 SHEET No.

ED2.00



GENERAL POWER NOTES:

1. FOR ALL EXISTING RECEPTACLES IN UNMODIFIED WALLS INSTALL NEW CIRCUIT BREAKER IN NEAREST PANEL.
2. ALL NEW CABLE SHALL BE INSTALLED ACCORDING TO NEC.
3. CONSULT AEP FOR NECESSARY POWER FEED UPGRADES.
4. COORDINATE DATA RACK RECEPTACLE TYPE WITH ASSOCIATED POWER CABLE.

ALTERNATE #1 GENERAL NOTES:

1. ALTERNATE #1 IS PRIMARILY ARCHITECTURAL SCOPE OF WORK FOR GROUND FLOOR DEMOLITION AND GROUND FLOOR NEW WORK.
2. ALL ELEMENTS DENOTED WITH AN (*) SHALL BE PART OF ALTERNATE #1.
3. ALL OUTLETS ON THIS SHEET ARE PART OF ALTERNATE #1.
4. IF CONFLICT OCCURS BETWEEN BASE BID SCOPE AND ALTERNATE #1, NOTIFY ARCHITECT PRIOR TO EXECUTING WORK.

1

NO.	BY	DATE	DESCRIPTION
1		6/15/2022	Addendum #1

COG RICHWOOD CLINIC RENOVATIONS
CAMDEN FAMILY HEALTH
RICHWOOD, WV
JUNE 1, 2022
ISSUED FOR CONSTRUCTION

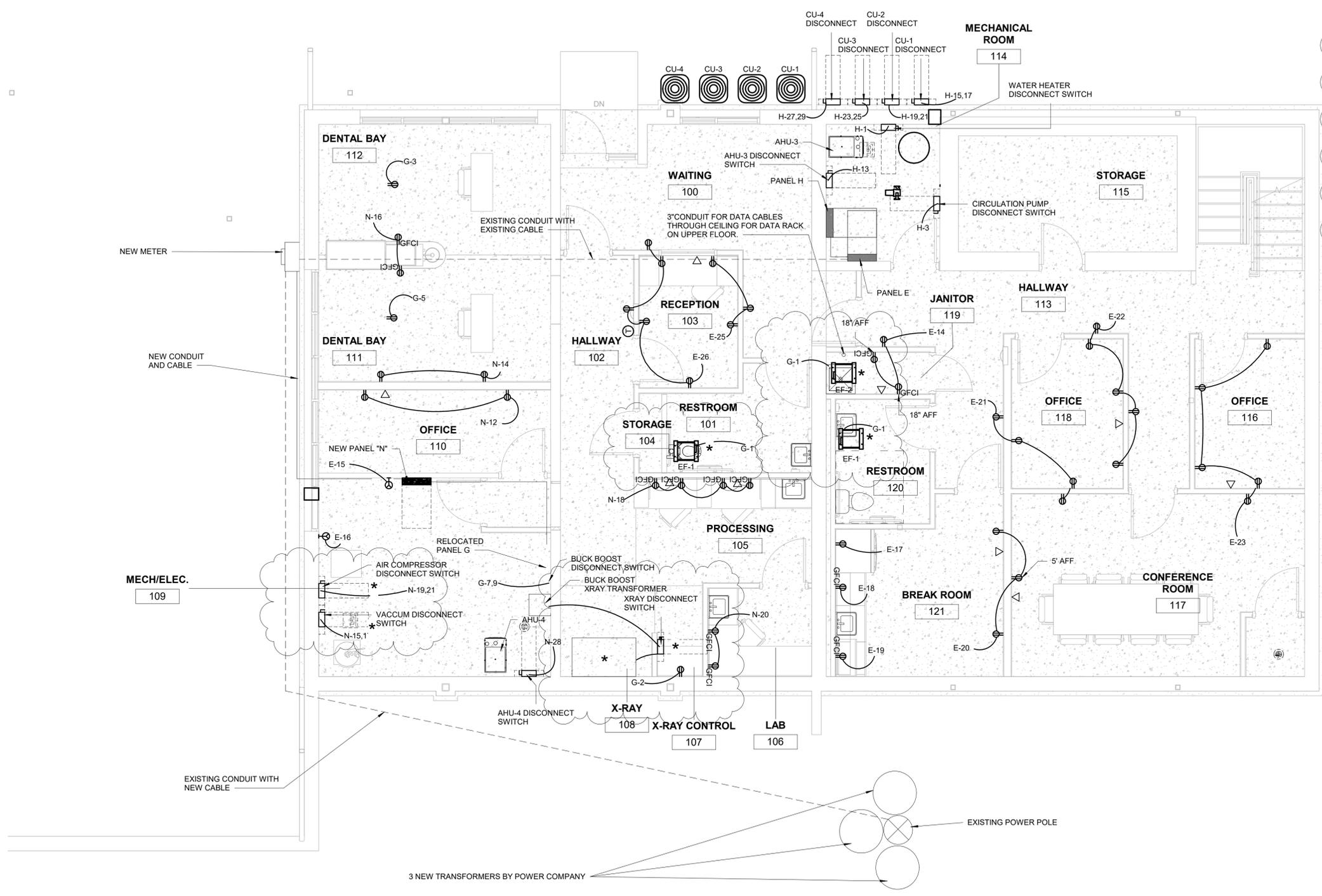
DRAWN: Author DATE: 09/22/14
CHECKED: Checker DATE: 09/22/14
APPROVED: Approver DATE: 09/22/14

PROJECT No. 060-10260

GROUND FLOOR POWER PLAN

SHEET No.

E2.00



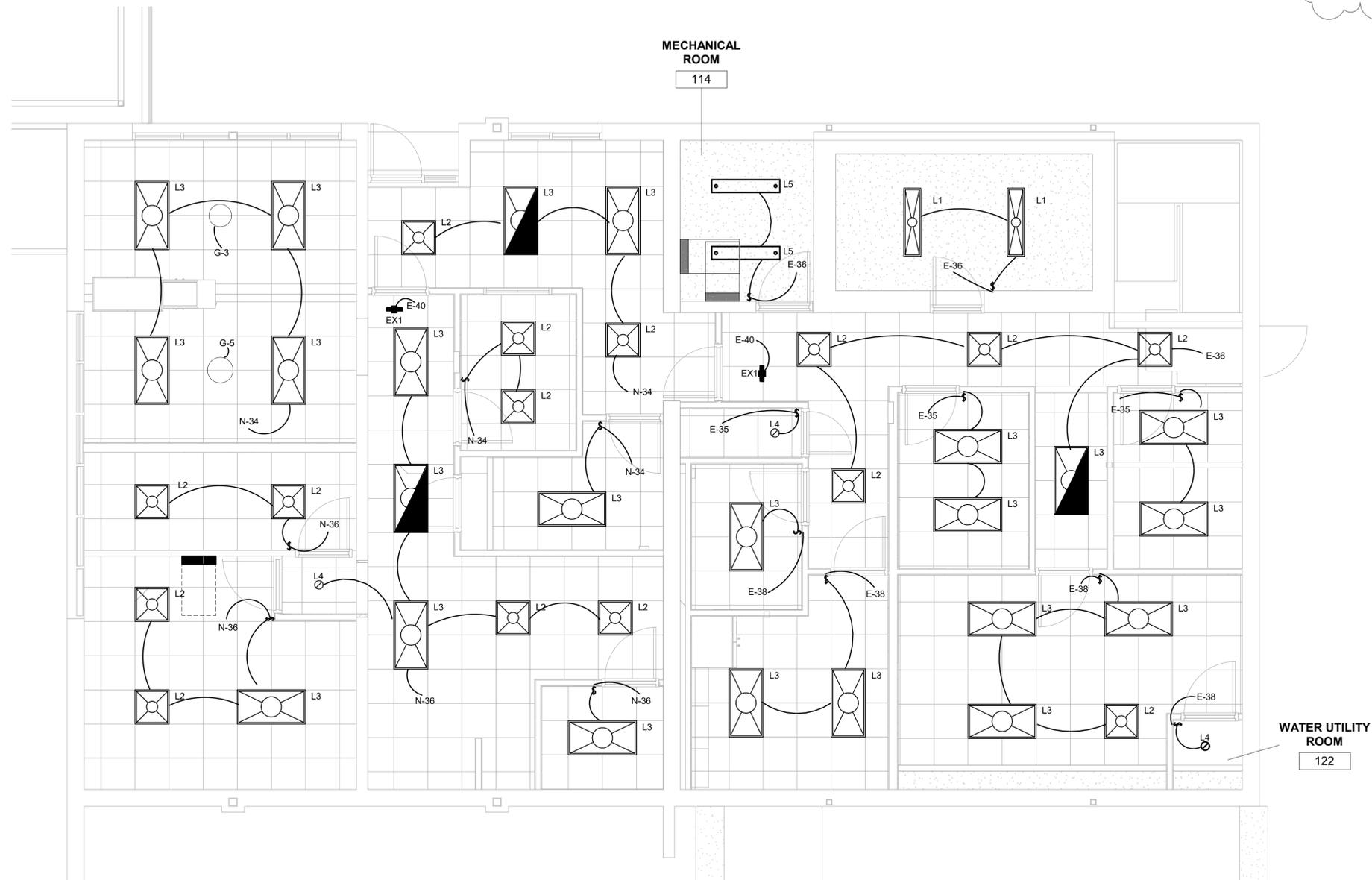
1 GROUND FLOOR POWER PLAN - NEW
E2.00 1/4" = 1'-0"

LAYOUT TAB: GROUND FLOOR POWER PLAN
CAD FILE: C:\Users\kenneth@thrasher.com\Documents\2002_Richwood_MEP_annotated.rvt
USER: Author
PLOT DATE/TIME: 6/15/2022 10:19:42 AM



ALTERNATE #1 GENERAL NOTES:

1. ALTERNATE #1 IS PRIMARILY ARCHITECTURAL SCOPE OF WORK FOR GROUND FLOOR DEMOLITION AND GROUND FLOOR NEW WORK.
2. ALL LIGHT FIXTURES AND SWITCHES ON THIS SHEET ARE PART OF ALTERNATE #1.
3. IF CONFLICT OCCURS BETWEEN BASE BID SCOPE AND ALTERNATE #1, NOTIFY ARCHITECT PRIOR TO EXECUTING WORK.



1 GROUND FLOOR LIGHTING PLAN - NEW
E3.00 1/4" = 1'-0"

NO.	BY	DATE	DESCRIPTION
1		6/15/2022	Addendum #1

**COG RICHWOOD CLINIC
RENOVATIONS**
CAMDEN FAMILY HEALTH
RICHWOOD, WV
JUNE 1, 2022
ISSUED FOR CONSTRUCTION

DRAWN: Author DATE: 04/29/22
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APPROVED: Approver DATE: 04/29/22

PROJECT No.
060-10260

GROUND FLOOR
LIGHTING PLAN

SHEET No.

E3.00

PANEL NOTES:

1. PANEL SPACE HAS BEEN MADE AVAILABLE FOR EXISTING CIRCUITS. POWER THESE EXISTING CIRCUITS FROM THE NEAREST AVAILABLE PANEL.

2. REPLACE ALL EXISTING WIRES/CABLES THAT DO NOT MEET NEC.



Panel E																	
		X NEMA-1		NEMA-3R				NEMA-4X Stainless Steel									
Location: EXISTING MECHANICAL ROOM 114																	
		208/120		Volts,		3		Phase,		4		Wire					
Main Lug Only						X		Main Breaker									
		Bus Rating:		Amps				Main Breaker:		225		Amps					
								Minimum Interrupting Capacity:		22,000		Amps Sym.					
Flush Mount						X		Surface Mount									
Provide if checked:								Isolated Ground Bus									
X		Equipment Ground Bus						Gutter Taps									
		Sub-Feed Lugs						Through-Feed Lugs									
Serving	Load (Watts)	Cond. Size 2	Wire Size 1	C/B Trip Amps	Cr. No.	Key Notes	A	B	C	Key Notes	Cr. No.	C/B Trip Amps	Wire Size 1	Cond. Size 2	Load (Watts)	Serving	
RECEPT-RM 206,214	900		#12	1P20	1		X				2	1P20	#12		900	RECEPT-RM 209, 210	
RECEPT-RM 206 DATA RACK A	2400		#10	1P30	3			X			4	1P30	#10		2400	RECEPT-RM 206 DATA RACK B	
RECEPT-RM 205, 214	900		#12	1P20	5				X		6	1P20	#12		540	RECEPT-RM 208	
RECEPT-RM 207	540		#12	1P20	7		X				8	1P20	#12		900	RECEPT-PHARMACY & HALL	
RECEPT-PHARMACY	720		#12	1P20	9			X			10	1P20	#12		900	RECEPT-PHARMACY & HALL	
RECEPT-PHARMACY & RM 200, 202	1080		#12	1P20	11				X		12	1P20	#12		540	RECEPT-RM 202	
RECEPT-RM 200, 201	540		#12	1P20	13		X				14	1P20	#12		540	RECEPT-RM 119	
RECEPT-RM 119 DATA RACK C	2400		#10	1P30	15			X			16	1P30	#10		2400	RECEPT-RM 119 DATA RACK D	
REFRIGERATOR RM 121	1200		#12	1P20	17				X		18	1P20	#12		180	RECEPT-RM 121	
RECEPT-RM 121	180		#12	1P20	19		X				20	1P20	#12		540	RECEPT-RM 117, 121	
RECEPT-RM 117, 118, HALL	720		#12	1P20	21			X			22	1P20	#12		900	RECEPT-RM 118, HALL	
RECEPT-RM 116, HALL	900		#12	1P20	23				X		24	1P20	#12		540	RECEPT-RM 100	
RECEPT-RM 103	540		#12	1P20	25		X				26	1P20	#12		900	RECEPT-RM 103, HALL	
					27			X			28						
					29				X		30						
					31		X				32						
					33			X			34						
LIGHTS-RM 116, 118, 119	480			1P20	#12				X		36	1P20	#12		540	LIGHTS-RM 114, 115, HALL 113	
	11955						X				38	1P20	#12		420	LIGHTS-RM 117, 120, 121	
PANEL "F"	11995	1 1/4"	#3	3P100	39			X			40	1P20	#12		360	EXIT LIGHTS - ALL EXITS	
	11995				41				X		42						
Total Load-Odd Circuit (Watts)	49485	1. All wire size: #12 AWG minimum except as noted. 2. All conduit size: 3/4 inch minimum except as noted. 3. Ground fault interrupting circuit breaker. 4. Spare circuit breaker. 5. Space only. 6. Shunt-trip circuit breaker. 7. Arc-fault circuit breaker. 8. Solenoid operated circuit breaker.														13500	Total Load-Even Circuit (Watts)
Total Load-Panel (Watts)	62985															175.0	Total Connected Full Load Amps
																218.8	Total Derated Connected Full Load Amps

Panel N																	
		X NEMA-1		NEMA-3R				NEMA-4X Stainless Steel									
Location: EXISTING MECHANICAL ROOM 114																	
		208/120		Volts,		3		Phase,		4		Wire					
Main Lug Only						X		Main Breaker									
		Bus Rating:		Amps				Main Breaker:		225		Amps					
								Minimum Interrupting Capacity:		22,000		Amps Sym.					
Flush Mount						X		Surface Mount									
Provide if checked:								Isolated Ground Bus									
X		Equipment Ground Bus						Gutter Taps									
		Sub-Feed Lugs						Through-Feed Lugs									
Serving	Load (Watts)	Cond. Size 2	Wire Size 1	C/B Trip Amps	Cr. No.	Key Notes	A	B	C	Key Notes	Cr. No.	C/B Trip Amps	Wire Size 1	Cond. Size 2	Load (Watts)	Serving	
RECEPT-RM 217, 218 & HALL	1080		#12	1P20	1		X				2	1P20	#12		900	RECEPT-RM 219, 220 & HALL	
RECEPT-RM 215, 216	900		#12	1P20	3			X			4	1P20	#12		900	RECEPT-RM 211, 212	
RECEPT-RM 223	1260		#12	1P20	5				X		6	1P20	#12		1080	RECEPT-RM 221, 222	
	11995						X				8	1P20	#12		720	RECEPT-RM 223	
PANEL "G"	11995	1 1/4"	#3	3P100	7						9	1P20	#12		1080	RECEPT-RM 215, 222	
	11995				11				X		12	1P20	#12		1080	RECEPT-RM 110, 111	
					13		X			X	14	1P20	#12		360	RECEPT-RM 111, 112	
POWER VAC UNIT	2300		#10	2P30	15			X			16	1P20	#12		540	RECEPT-RM 112	
	2300				17				X		18	1P20	#12		900	RECEPT-RM 105, 101	
AIR COMPRESSOR	1560		#10	2P20	19		X				20	1P20	#12		720	RECEPT-RM 106, HALL	
	1560				21			X			22						
					23				X		24	1P15	#12		1680	AIR HANDLER UNIT 2 AHU-2	
					25		X				26						
					27			X			28	1P15	#12		1320	AIR HANDLER UNIT 4 AHU-4	
					29				X		30	1P20	#12		840	LIGHTS-RM203,205,206	
					31		X				32	1P30	#10		660	LIGHTS-RM 201,202,220,223	
					33			X			34	1P30	#10		660	LIGHTS-RM100,101,103,104,111,112	
					35				X		36	1P20	#12		660	LIGHTS-RM105,106,109,110,HALL102	
ROOF EXHAUST FAN 1 REF-1	20		#12	1P15	37		X				38	1P20	#12		600	LIGHTS-RM 207 thru 213	
					39				X		40	1P20	#12		960	LIGHTS- MAIN HALL	
					41				X		42	1P20	#12		1440	LIGHTS-RM 215 thru 222	
Total Load-Odd Circuit (Watts)	46965	1. All wire size: #12 AWG minimum except as noted. 2. All conduit size: 3/4 inch minimum except as noted. 3. Ground fault interrupting circuit breaker. 4. Spare circuit breaker. 5. Space only. 6. Shunt-trip circuit breaker. 7. Arc-fault circuit breaker. 8. Solenoid operated circuit breaker.														17100	Total Load-Even Circuit (Watts)
Total Load-Panel (Watts)	64065															178.0	Total Connected Full Load Amps
																222.5	Total Derated Connected Full Load Amps

Panel H																	
		X NEMA-1		NEMA-3R				NEMA-4X Stainless Steel									
Location: MECHANICAL ROOM 114 (EXISTING PANEL)																	
		208/120		Volts,		3		Phase,		4		Wire					
Main Lug Only						X		Main Breaker									
		Bus Rating:		100		Amps		Main Breaker:		100		Amps					
								Minimum Interrupting Capacity:		22,000		Amps Sym.					
Flush Mount						X		Surface Mount									
Provide if checked:								Isolated Ground Bus									
X		Equipment Ground Bus						Gutter Taps									
		Sub-Feed Lugs						Through-Feed Lugs									
Serving	Load (Watts)	Cond. Size 2	Wire Size 1	C/B Trip Amps	Cr. No.	Key Notes	A	B	C	Key Notes	Cr. No.	C/B Trip Amps	Wire Size 1	Cond. Size 2	Load (Watts)	Serving	
GAS WATER HEATER	360			1P20	1		X				2	1P20			540	RECEPT-MECH RM 114	
HOT WATER CIRCULATION PUMP	20			1P20	3			X			4	1P20			540	RECEPT-RM-MECH RM 114	
				1P20	5				X		6						
				1P20	7		X				8						
ROOF EXHAUST FAN 2 REF-2	25			1P15	9			X			10						
AIR HANDLER UNIT 3 AHU-1	960		#12	1P15	11				X		12						
AIR HANDLER UNIT 3 AHU-3	960		#12	1P15	13		X				14						
COMPRESSOR UNIT 1 CU-1	3224		#8	2P50	15			X			16						
	3224				17				X		18						
COMPRESSOR UNIT 2 CU-2	3224		#8	2P50	19		X				20						
	3224				21			X			22						
COMPRESSOR UNIT 3 CU-3	1664		#10	2P25	23				X		24						
	1664				25		X				26						
COMPRESSOR UNIT 4 CU-4	2496		#8	2P40	27			X			28						
	2496				29				X		30						
Total Load-Odd Circuit (Watts)	23541	1. All wire size: #12 AWG minimum except as noted. 2. All conduit size: 3/4 inch minimum except as noted. 3. Ground fault interrupting circuit breaker. 4. Spare circuit breaker. 5. Space only. 6. Shunt-trip circuit breaker. 7. Arc-fault circuit breaker. 8. Solenoid operated circuit breaker.														1080	Total Load-Even Circuit (Watts)
Total Load-Panel (Watts)	24621															68.4	Total Connected Full Load Amps
																85.5	Total Derated Connected Full Load Amps

Panel G																
		X NEMA-1		NEMA-3R				NEMA-4X Stainless Steel								
Location: MECHANICAL ROOM 109 (RELOCATED)																
		208/120		Volts,		3		Phase,		4		Wire				
Main Lug Only						X		Main Breaker								
		Bus Rating:		100		Amps		Main Breaker:		100		Amps				
								Minimum Interrupting Capacity:		22,000		Amps Sym.				
Flush Mount						X		Surface Mount								
Provide if checked:								Isolated Ground Bus								
X		Equipment Ground Bus						Gutter Taps								
		Sub-Feed Lugs						Through-Feed Lugs								
Serving	Load (Watts)	Cond. Size 2	Wire Size 1	C/B Trip Amps	Cr. No.	Key Notes	A	B	C	Key Notes	Cr. No.	C/B Trip Amps	Wire Size 1	Cond. Size 2	Load (Watts)	Serving
EXHAUST FAN 1 EF-1	50			1P15	1		X				2	1P20			360	X-RAY CONTROLS
DENTAL CHAIR & LIGHT 1	360			1P20	3			X			4	1P20			540	SMOKE/CO DETECTORS
DENTAL CHAIR & LIGHT 2	360			1P20	5				X		6					
X-RAY BUCK BOOST TRANSFORMER	700			2/20	7		X				8					
	700				9			X			10					
					11				X		12					
					13		X				14					
					15			X			16					
					17				X		18					
					19		X				20					
					21				X		22					
					23											