

**BOONE MEMORIAL HOSPITAL  
BOONE COUNTY, WEST VIRGINIA**

**BMH DANVILLE CLINIC – SHELL FIT OUT**

**ADDENDUM #1**

**AUGUST 8, 2023**

**THRASHER PROJECT #T60-11089**

TO WHOM IT MAY CONCERN:

A Pre-Bid Conference was held on Monday, July 31, 2023, on the above-referenced project, a copy of the sign in sheet is included in this Addendum. The following are clarifications and responses to questions posed by contractors for the above reference project.

**A. GENERAL**  
None

**B. SPECIFICATIONS**  
The Following Specification Sections have been added to the project:  
035420 – Concrete Patching and Floor Underlayment.

**C. DRAWINGS**  
The following drawings are provided with noted revisions for Addendum #1: G1.01, A1.01, A1.02, A4.01, A6.01, A7.01, P1.02, P2.00, P2.01, M1.01, M1.02, M3.01, E2.00, E3.00, E5.00.

**D. QUESTIONS AND RESPONSES**

**QUESTION**

1. For bidding purposes, what are the sizes of the sliding windows?

**RESPONSE**

Slider window shall be 3'-0" wide by 4'-0" tall in overall dimension.

**QUESTION**

2. For bidding purposes, what is the size of the existing 12 each windows that receive window treatments?

**RESPONSE**

The existing exterior windows are 4'-0" wide by 4'-6" tall in overall dimensions. One window is reduced to approximately 2'-4 3/4" due to wall location. One window is reduced to approximately 3'-2 1/4" due to wall location. Contractor shall verify dimensions of all windows prior to ordering window treatments.

**QUESTION**

3. Shall the sliding windows receive window treatments?

**RESPONSE**

The sliding window shall not receive window treatments.

**QUESTION**

4. Door hardware sets 100, and 101 identifies threshold per detail. Can the detail be provided?

**RESPONSE**

No thresholds are to be provided. Transitions shall be provided where floor finishes change.

**QUESTION**

5. Door hardware sets 102, and 104 identifies stone threshold per detail. Can the detail be provided?

**RESPONSE**

No thresholds are to be provided. Transitions shall be provided where floor finishes change.

**QUESTION**

6. The window trim around the sliding windows is identified to be painted. What materials is scheduled to receive staining and transparent finishing?

**RESPONSE**

No materials are scheduled to receive staining and transparent finishing. Specification Section 099300 shall be omitted from the project manual.

**QUESTION**

7. Where is the shelving located as specified below?

SECTION 062023 - INTERIOR FINISH CARPENTRY

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Interior trim.
2. Shelving.
3. Finish Carpentry Items

**RESPONSE**

No shelving is included in the scope of work. Specification 062023 Note 1.1.A.2 shall be omitted from the project manual.

**QUESTION**

8. Please provide throat dimensions of the hollow metal frames for each wall condition as the floor plan identifies the frame wrapping the gypsum board.

**RESPONSE**

All metal door frames shall be sized to be installed on partition types A and E on Sheet 5.01. Metal door frames shall fit partitions depths of 5-3/8 inches.

**QUESTION**

9. Please provide a basis of Design for the Sliding Windows

**RESPONSE**

No basis of design. Slider window shall consist of frameless, tempered clear glazing with aluminum sill and header tracks. Provide window lock.

**QUESTION**

10. Please provide a sign schedule.

**RESPONSE**

Signage schedule shall follow room titles on the room finish schedule on Sheet A7.01 with the following exceptions: Toilets shall have RESTROOM as their titles on signage, Storage. shall be titled STORAGE on signage, Break shall be titled BREAK ROOM on signage. Owner shall approve naming prior to ordering of signage.

**QUESTION**

11. Not identified on the drawings. Shall waste receptacles be provided by Contractor?

**RESPONSE**

Waste receptacles shall be provided by the owner.

**QUESTION**

12. Not identified on the drawings. Shall waste sanitary napkin disposal units be provided by Contractor.

**RESPONSE**

No sanitary napkin disposal shall be provided in the project scope.

**QUESTION**

13. Not identified on the drawings. Shall waste sanitary napkin disposal units be provided by Contractor.

**RESPONSE**

No sanitary napkin disposal shall be provided in the project scope. Omit note from drawings.

**QUESTION**

14. Not identified on the drawings. Shall hand dryers be provided by Contractor?

**RESPONSE**

No automatic hand dryers shall be provided in the project scope. Omit note from drawings.

**QUESTION**

15. Not identified on the drawings. Shall diaper-changing stations be provided by Contractor?

**RESPONSE**

No diaper changing stations shall be provided in the project scope. Omit note from drawings.

**QUESTION**

16. Not identified on the drawings. Shall under lavatory guards be provided by Contractor?

**RESPONSE**

Yes, under-lavatory guards shall be provided.

**QUESTION**

17. Could an existing floor plan and reflective ceiling plan be provided for the 1<sup>st</sup> floor in order to know what additional demolition and reinstallation is required for the 2<sup>nd</sup> floor designed MEP scope of work?

**RESPONSE**

No existing plan or reflected ceiling plan shall be provided for the 1<sup>st</sup> floor. Contractor shall assume removal and reinstallation of acoustic ceiling tile matching the project floor plan in order locate new work noted in the mechanical, electrical, and plumbing drawings from the project.

**QUESTION**

18. Due to the submittal process and difficulty receiving materials, would the Owner consider 120 calendar days in lieu of 90 days for substantial completion?

**RESPONSE**

The current requirement of 90 calendar days shall be maintained. The Owner shall negotiate the required days to substantial completion once the lowest and most qualified bid has been identified. Bidders shall provide a note in their bids if receiving materials will prohibit them from meeting substantial completion in 90 calendar days. This note shall identify what material and how much additional time will be required to the planned 90 calendar days.

**QUESTION**

19. Please confirm the bid hold of 90 days identified within the AFB will be reduced to 30 days.

**RESPONSE**

The bids hold period shall be reduced from 90 calendar days to 30 calendar days.

**QUESTION**

20. Please confirm additional calendar days for substantial completion will be granted for material delivery times of major mechanical and electrical equipment delays.

**RESPONSE**

The current requirement of 90 calendar days shall be maintained. The Owner shall negotiate the required days to substantial completion once the lowest and most qualified bid has been identified. Bidders shall provide a note in their bids if receiving materials will prohibit them from meeting substantial completion in 90 calendar days. This note shall identify what material and how much additional time will be required to the planned 90 calendar days.

**QUESTION**

21. Please confirm the exterior electrical service upgrades is not to be included in the bid.

**RESPONSE**

Exterior Electrical Service upgrades are not included in the scope of work for this bid. Sheets EP1, EP2, EP3, and EP4 shall be omitted from the construction documents since they are part of another package.

**QUESTION**

22. Please confirm the scheduled roof top units is to remain a part of the scope of work and included in the bid.

**RESPONSE**

The existing rooftops units are to be utilized for this project. Any notes in the mechanical drawings are referencing information related to them; not new units. No new rooftops units shall be included in the scope of work at this time. Contractors shall include provisions for connections (gas and electric) and startup in their bids. Any part replacements or repairs needed are not part of the scope of work and will be addressed through a change order.

**QUESTION**

23. The existing concrete floor has major deep pits and has cracked severely in many locations. Please specify a product for a complete repair and leveling of the concrete floor in preparations for the new floor finishes.

**RESPONSE**

Specification 035420 – Concrete Patching and Floor Underlayment shall be added to the project manual and is included in this addendum.

**QUESTION**

24. Will the contractor be permitted to stain and finish the flush wood doors to avoid a long lead-time for manufactured stain and finish?

**RESPONSE**

Contractors are permitted to stain and finish doors on site. Stain and finish shall match door finish specified in the project manual. Architect shall approve sample finish prior to execution.

**QUESTION**

25. It is anticipated the first floor will be occupied while the second floor is being fit-out.

Please provide a floor plan and reflective ceiling plan and time line as to when the contractor may be permitted to perform work on the first floor. Please provide information that requires the contractor to provide safety measures for renovating within an occupied health clinic environment.

**RESPONSE**

Owner shall provide safety requirements while performing work in occupied facilities before bid due date. No existing plan or reflected ceiling plan shall be provided for the 1<sup>st</sup> floor. Contractor shall assume removal and reinstallation of acoustic ceiling tile matching the project floor plan in order locate new work noted in the mechanical, electrical, and plumbing drawings from the project.

**QUESTION**

26. The existing gas manifold appears to have been constructed in a manner that may have created some restriction in volume. Could the mechanical engineer review the exterior gas manifold and make sure there is enough volume of gas available to plumb in two more roof top units?

**RESPONSE**

Review indicates there is enough volume to plumb to the existing rooftop units. Stubbed gas lines at the top of parapet wall shall be utilized to connect to the existing rooftop units.

**QUESTION**

27. Should the two new roof top units be independently plumbed with gas piping to eliminate the possibility of starving the units of gas pressure for startups?

**RESPONSE**

The new rooftop units shall be independently plumbed such that gas pressure will not be reduced.

**QUESTION**

28. The existing gas piping is not painted. Will painting the new gas piping be required?

**RESPONSE**

The new gas piping shall be painted. Painting the existing piping can be proposed as a change order during construction.

**QUESTION**

29. Should doors 200, 201 & 202 leading into the egress corridor be fire rated?

**RESPONSE**

These doors do not need to be fire rated.

**QUESTION**

30. In the Resilient Tile Flooring spec, it lists an LVT-1 & LVT-2 but on Sheet A7.01 the Room Finish Schedule just states LVT. Please clarify.

**RESPONSE**

LVT-1 shall be the specified product for the flooring in the Room Finish Schedule. LVT-2 shall be omitted from the specification and project manual.

**QUESTION**

31. On Sheet A4.01, please confirm that Tag #: 1, 2, 7, 8, 12 & 13 are not used.

**RESPONSE**

Accessories tagged #1,2,7,8,12, and 13 are not used in the project.

**QUESTION**

32. Please provide a spec for the Aluminum Sliding Windows.

**RESPONSE**

See Response to question #9.

**QUESTION**

33. Please confirm each room/door is to receive signage.

**RESPONSE**

See Response to question #10.

**QUESTION**

34. There is a spec for Fire Extinguisher Cabinets but on Sheet G1.01 it appears there are only Wall Mounted Fire Extinguishers. Please confirm there are no FECs.

**RESPONSE**

Fire extinguisher cabinets shall be provided.

**QUESTION**

35. Please clarify if only the existing windows receive Roller Window Shades or if we are to provide them at the sliding windows as well.

**RESPONSE**

See responses to questions #2 and #3.

**QUESTION**

36. Are the contractors to figure on using Partition Type C for the exterior walls? If so, could the existing insulation be reused? If so, will the resilient channel be required at the exterior walls or just the existing corridor wall?

**RESPONSE**

Exterior walls shall have new gypsum board applied, finished, painted, and including vinyl wall base as scheduled. The exterior walls shall utilize the existing insulation. Resilient channel shall not be applied to the exterior walls. Resilient channel shall be applied to the existing corridor walls prior to applying gypsum board finish.

**QUESTION**

37. Please confirm Door Type “FG” is not used.

**RESPONSE**

Door type FG shall be used on Door 200. The door schedule has been updated to reflect this.

**E. CLARIFICATIONS**

1. The advertisement for bid shall be revised to state, “The lowest and most qualified bid shall be selected for the project.”

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 1:00 p.m. on Thursday, August 17, 2023, at 701 Madison Avenue, Madison, WV. Good luck to everyone and thank you for your interest in the project.

Sincerely,



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

THE THRASHER GROUP, INC.





Sign-In Sheet

<u>NAME</u>	<u>COMPANY</u>	<u>PHONE</u>	<u>EMAIL</u>
Chris Dozier	CD LLC	304-553-1553	cdozier33@yahoo.com
Dan Hill	Danhill Const. Co	304-663-5761	dan.hill@danhillconstruction.com
Matthew Willis	Danhill Construction	304-719-1450	Matthew.willis@danhillconstruction.com
James Marchin	Gonday Enterprises	304-437-1974	Gonday138@gmail.com
Steven A. Kinder	Start to Finish LLC	304-532-4455	824construction@yahoo.com
Christian Freeze	Start to Finish Construction LLC	304-926-9885	cfreeze01@yahoo.com
Michael Ball	BBL Carlton	304-859-6090	mball@bblcarlton.com
Tim Malcomb	MIRC Construction	304-382-5195	tmalcomb@emireccus.tudor.ca
<del>Bill Partridge</del>	<del>TTG</del>	<del>304-343-7601</del>	<del>kmartel@ttg.com</del>
Casey Arthur	TTG	304-677-9310	caarthur@thelkrostergroup.com

**BOONE MEMORIAL HOSPITAL  
BOONE COUNTY, WEST VIRGINIA  
FOR THE  
BMH DANVILLE CLINIC – SHELL FITOUT  
THRASHER #T60-11089**

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**BIDDING DOCUMENTS**

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Instructions to Bidders	A701 - 1997
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Bid	BID

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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
Consent of Surety to Final Payment	G707 - 1994
Consent of Surety to Reduction in or Partial Release of Retainage	G707A - 1994

**GENERAL CONDITIONS**

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

**SPECIFICATIONS**

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## SECTION 035420 CONCRETE PATCHING AND FLOOR UNDERLAYMENT

### PART 1 - GENERAL

#### 1.01 DESCRIPTION

- A. This Section describes the requirements for furnishing and installing the following:
  - 1. Patching of spalling concrete floor in existing shell space with “Concrete Patch”.
  - 2. Refinishing of existing concrete floor in shell space with “Concrete Dressing”.
  - 3. Patching of holes deeper than 1-1/2-inches at all existing interior shell space floors with “Concrete Underlayment”.
  - 4. Installation of self-leveling concrete floor underlayment at all interior shell space floors - “Self-Leveling Underlayment”.

#### 1.02 QUALITY ASSURANCE

- A. Manufacturer: Regularly providing patching and underlayment materials of types specified or approved for not less than 5-years.
- B. Installer: Approved by patching and underlayment manufacturer using approved equipment.

#### 1.03 ENVIRONMENTAL REQUIREMENTS

- A. Maintain a temperature above 50-degrees F. until subfloor surface has stabilized.
- B. Provide continuous heat and mechanical ventilation until patching and underlayment is dry.
- C. Follow manufacturer's additional

requirements. PART 2 - PRODUCTS

#### 2.01 APPROVED MANUFACTURERS

- A. Concrete Patch: Ardex, Inc. “Ardex CP Concrete Patch” or approved equal.
- B. Concrete Dressing: Ardex, Inc. “Ardex CD” or approved equal.
- C. Concrete Underlayment: Ardex, Inc. “Ardex SD-P Self-Drying, Fast Setting Concrete Underlayment” or approved equal.
- D. Self-Leveling Concrete Underlayment: Ardex, Inc. "Ardex K-15 Self-Leveling Underlayment Concrete" or approved equal.

#### 2.02 MATERIALS

- A. Concrete Patch: Trowel-grade cementitious topping for filling and repairing areas

of concrete. Engineered with portland cement and select high-performance polymers to bond to concrete surfaces.

- B. Concrete Dressing: Cement-based, polymer-modified concrete resurfacing material. Concrete Underlayment: Portland cement-based, self-drying, fast setting, trowelable patch for smoothing and repairing concrete surfaces. Underlayment shall have a minimum compressive strength of 4,200-psi at 28-days. Underlayment shall be able to be installed from featheredge to 1-inch and up to 3-inches with aggregate. Minimum thickness shall be 1/8-inch.
- C. Self-Leveling Underlayment: Cement-based self-leveling underlayment. Underlayment shall have a minimum compressive strength of 4,000-psi at 28-days. Self-leveling underlayment shall be able to be installed from featheredge to any thickness in one pour.
  - 1. Aggregate: Well-graded, washed gravel for use when underlayment is installed over 1-1/2-inch thick; size of aggregate as recommended by manufacturer.
- D. Water: Clean and potable.
- E. Primer: As recommended by patching and

underlayment manufacturer

## PART 3 - EXECUTION

### 3.01 PREPARATION

- A. Surfaces to receive patching and underlayment shall be solid, clean and properly primed.
- B. Concrete shall be clean and free of oil, grease, dirt, curing compounds, and other items that may act as bond breakers. Mechanically clean if required using shot-blasting; acid etching is not acceptable.
- C. Where required, grind high spots in concrete subfloors as recommended by manufacturer.
- D. Non-porous surfaces such as tile shall be clean and free of wax and sealers.
- E. Mix materials in accordance with manufacturer's recommendations.

### 3.02 INSTALLATION

- A. Concrete Patch:
  - 1. Install using standard concrete practices.
  - 2. Place a scratch coat of the material onto an area of concrete using a steel trowel first while applying enough pressure to ensure good compound-to-concrete contact.
  - 3. Using a wood or magnesium float, apply the material in the area to be repaired.

4. If required, use a straightedge to screed the surface to match existing elevations.
5. After material takes an initial set, use a steel trowel to finish.
6. Maintain a wet edge to minimize natural color variations.
7. For applications thicker than ½-inch, mix with washed and well-graded 1/8 – ¼ inch pea gravel. Do not use sand.

B. Concrete Dressing:

1. Install using traditional concrete repair techniques.
2. Use the least amount of material possible to obtain complete coverage over the concrete surface. For maximum coverage, use the flat trowel application technique and then broom-finish.
3. Work in areas small enough so that the newly applied surface can receive a broom finish without being walked on. Apply broom finish before the dressing takes a firm set. Maintain a wet edge to minimize natural color variations.
4. On vertical surfaces, trowel, brush or spray the dressing using a hopper gun directly onto the prepared areas. Smooth or brush the material to the desired finish.
5. If the substrate is porous scratch coat or use a smooth notched trowel to apply an initial layer of material into the surface and immediately re-coat the same area with fresh material and apply finish.

C. Concrete Underlayment:

1. Apply with a wood or magnesium float to obtain a solid mechanical bond.
2. Allow the patch to take a set and finish the surface using a steel trowel.
3. For areas requiring a thickness greater than 1-inch, mix underlayment with well-graded 1/8 – ¼ inch pea gravel. Do not use sand.

D. Self-Leveling Underlayment:

1. Fill non-moving joints with concrete underlayment.
2. Apply primer in accordance with manufacturer's recommendations. Do not leave any bare spots and remove puddles and excess primer. Do not apply underlayment until primer is dry.
3. Pour or pump self-leveling liquid underlayment and spread in place. Comply with manufacturer's instructions.
4. Prohibit foot traffic until underlayment is dry.

3.03 COMPLETION

- A. When complete, underlayment shall be finished to a reasonably smooth and uniform condition, and be free from pin holes, gouges, cuts, and other damage or defects.
- B. Transition between finish surfaces of underlayment and adjacent existing flooring shall be free from offsets.

END OF SECTION



**COMMON PATH OF EGRESS TRAVEL (IBC 1006.2.1)**

OCCUPANCY	SPRINKLERED	MAX. DISTANCE
A	YES	75' - 0"
B	YES	100' - 0"
E	YES	75' - 0"
S	YES	100' - 0"

**TOTAL TRAVEL DISTANCE (TTD)**

Mark	Length
TTD	70'-9"



600 WHITE OAKS BLVD.  
P.O. BOX 940  
BRIDGEPORT, WV 26330  
  
P (304) 624-4108  
F (304) 624-7831  
  
www.thethrashergroup.com

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**GENERAL LIFE SAFETY PLAN NOTES**

- WHERE FIRE RATED PARTITIONS INTERSECT WITH LESSER RATED PARTITIONS OR NON-RATED PARTITIONS, THE HIGHER RATED PARTITION IS TO CONTINUE THROUGH THE INTERSECTION TO MAINTAIN THE HIGHER RATING.
- FIRE EXTINGUISHERS SHALL BE PROVIDED AND LOCATED IN ACCORDANCE WITH NFPA 10. THE MAXIMUM TRAVEL DISTANCE TO THE NEAREST FIRE EXTINGUISHER FROM ANY POINT IN THE BUILDING SHALL NOT EXCEED 75 FEET.



EXISTING CLINIC SPACE  
NOT IN CONTRACT

**LIFE SAFETY PLAN LEGEND**

- NTS
- ◆ 1 HOUR FIRE RATING
  - ◆◆ 2 HOUR FIRE RATING
  - CP1 10'-0" COMMON PATH OF TRAVEL
  - TD1 10'-0" TRAVEL DISTANCE
  - 🔥 FIRE EXTINGUISHER - CABINET
  - 🔥 FIRE EXTINGUISHER - WALL MOUNT
  - EXIT EXIT SIGN LOCATIONS
  - 101 1hr FIRE RATED DOOR TAG
  - EGRESS CAPACITY TAG
  - ← CLEAR WIDTH OF DOOR (INCHES)
  - # IBC CAPACITY FACTOR
  - \* ALLOWABLE OCCUPANT LOAD EXCEPTION
  - ← ALLOWABLE OCCUPANT LOAD
  - ← ACTUAL OCCUPANT LOAD

**1 SECOND FLOOR LIFE SAFETY PLAN**  
G1.01 3/16" = 1'-0"

NO.	BY	DATE	DESCRIPTION
1	CCA	7/31/23	ADDENDUM 1

**BMH DANVILLE CLINIC - SHELL FITOUT**  
BOONE MEMORIAL HEALTH  
300 4TH ST., DANVILLE, WV  
JUNE 30TH, 2023  
CONSTRUCTION DOCUMENTS

DRAWN: ZJH DATE: 06/30/2023  
CHECKED: CCA DATE: 06/30/2023  
PROJECT No. 1060-11089

LIFE SAFETY PLAN

SHEET No.

**G1.01**

USER: ZJH

LAYOUT TAB: LIFE SAFETY PLAN  
CAD FILE: C:\Users\zjandrew\OneDrive - Thrasher Engineering Group\Documents\106-11089 - BMH Danville Clinic - Shell Fitout\_230619.dwg  
PLOT DATE/TIME: 8/30/2023 11:42:27 AM

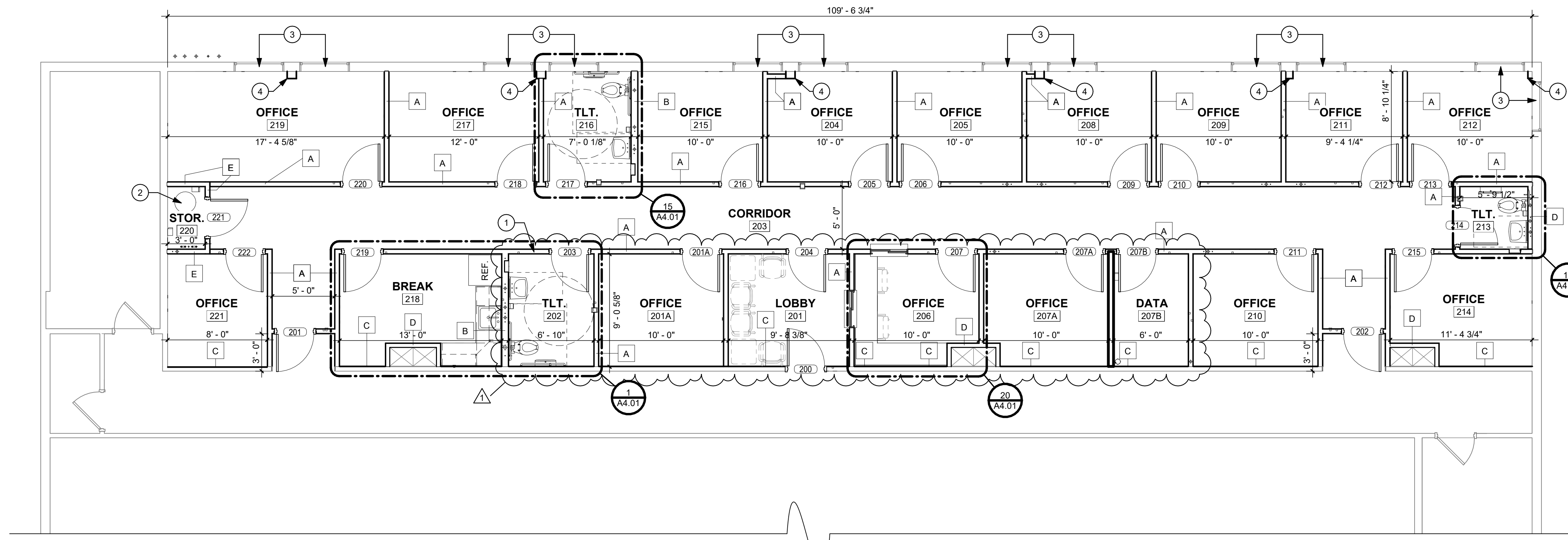
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**GENERAL NEW FLOOR PLAN NOTES**

1. VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO COMMENCEMENT OF ANY ON SITE ACTIVITIES.
2. DIMENSIONS ARE TO FACE OF CMU, FACE OF STUD, OR CENTER OF STUD.
3. INSTALL SUPPORT WOOD BLOCKING IN NEW WALLS TO RECEIVE WALL-MOUNTED ITEMS. SUPPORT WOOD BLOCKING SHALL BE FIRE RETARDANT TREATED.
4. PREPARE ALL NEW AND EXISTING WALL SURFACES TO RECEIVE SCHEDULED FINISH.
5. FINISH FLOOR MATERIAL TRANSITIONS SHALL OCCUR AT CENTERLINE OF DOOR.
6. ALL FURNITURE SHALL BE SUPPLIED BY THE OWNER AND INSTALLED BY THE OWNER.
7. SEE MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION ABOUT BUILDING SYSTEMS.
8. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IF THERE IS A CONFLICT WITH THE EXISTING STRUCTURE AND INSTALLATION OF NEW WORK.
9. ALL WALLS WITH PLUMBING EQUIPMENT SHALL RECEIVE MOISTURE-RESISTANT GYPSUM BOARD.
10. SEE PARTITION TYPES ON SHEET A5.01



6/30/2023



**1 SECOND FLOOR**  
A1.01 3/16" = 1'-0"

NO.	BY	DATE	DESCRIPTION
1	CCA	7/31/23	ADDENDUM 1

**BMH DANVILLE CLINIC - SHELL FITOUT**  
BOONE MEMORIAL HEALTH  
300 4TH ST., DANVILLE, WV  
JUNE 30TH, 2023  
CONSTRUCTION DOCUMENTS

DRAWN: ZJH DATE: 06/30/2023  
CHECKED: CCA DATE: 06/30/2023  
PROJECT No. 1060-11089

FLOOR PLAN

SHEET No.

**A1.01**

**CONSTRUCTION NOTES**

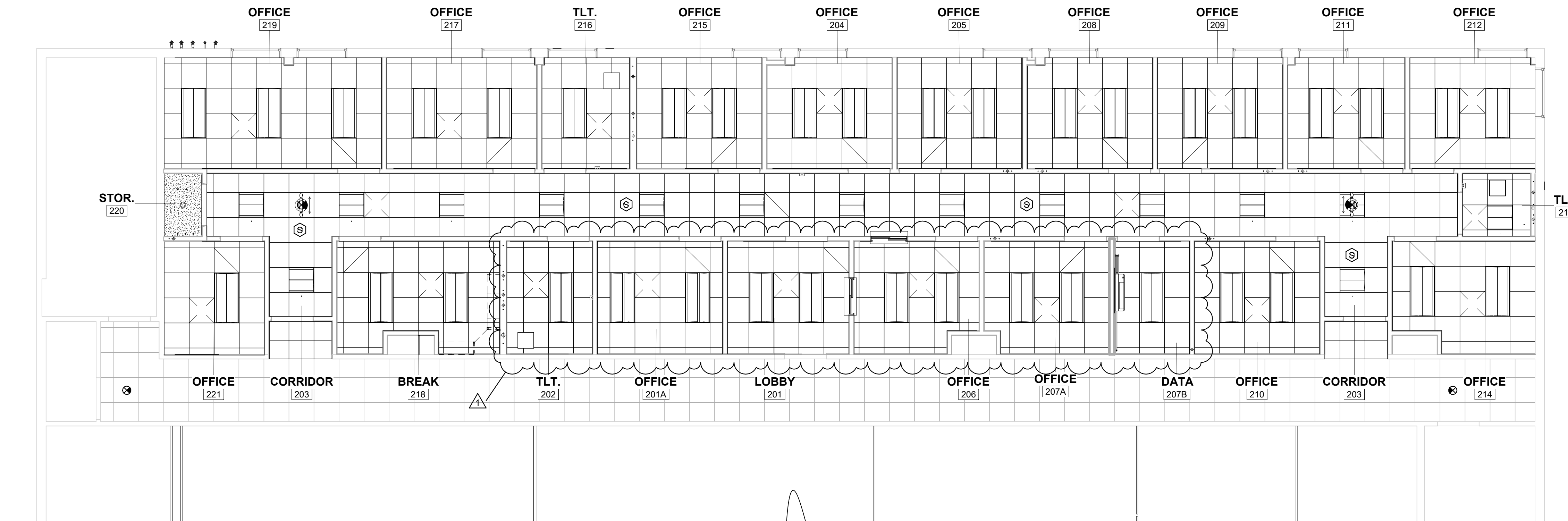
NOTE #	DESCRIPTION
1	APPLY GYPSUM BOARD CONSTRUCTION JOINT AT THIS LOCATION.
2	WATER HEATER. SEE PLUMBING DRAWINGS.
3	INSTALL SOLID SURFACE WINDOW STOOL. SEE DETAIL 10/A5.01
4	WRAP COLUMN WITH 5/8" TYPE X GYPSUM BOARD.

LAYOUT TAB: FLOOR PLAN  
CAD FILE: C:\Users\zjhdw\OneDrive - Thrasher Engineering Group\Documents\106-11089 - BMH Danville Clinic - Shell Floor\_2023\_0630.dwg  
PLOT DATE/TIME: 8/20/2023 11:42:28 AM  
USER: ZJH



**GENERAL REFLECTED CEILING PLAN NOTES**

- UNLESS NOTED OTHERWISE, ALL CEILINGS SHALL BE INSTALLED AT 9'-0" ABOVE FINISH FLOOR. THE CONTRACTOR MAY PROPOSE LOWER CEILING TO ACCOMMODATE CEILING-MOUNTED LIGHTING AND EQUIPMENT. NO CEILING SHALL BE INSTALLED BELOW 7'-6" ABOVE FINISH FLOOR.
- CONTRACTOR SHALL COORDINATE NEW CEILING INSTALLATION WITH EXISTING STRUCTURE. CONTRACTOR SHALL COORDINATE MECHANICAL AND ELECTRICAL EQUIPMENT WITH EXISTING CONDITIONS AND NEW CEILING. IF CONFLICTS OCCUR DURING INSTALLATION, CONTRACTOR SHALL NOTIFY ARCHITECT PRIOR TO COMPLETING INSTALLATION.
- REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
- CEILINGS AND EQUIPMENT SHALL BE POSITIVELY ATTACHED TO EXISTING STRUCTURE. NO CEILING EQUIPMENT SHALL BE SUPPORTED FROM PLUMBING OR OTHER EQUIPMENT.
- CONTRACTOR SHALL HAVE AUTHORITIES HAVING JURISDICTION PERFORM ALL REQUIRED FIELD INSPECTIONS ON BUILDING SYSTEMS PRIOR TO COMPLETING INSTALLATION OF FINISH CEILING.



1 SECOND FLOOR  
A1.02 3/16" = 1'-0"

**REFLECTED CEILING PLAN LEGEND**

NOTE: CONTRACTOR TO COORDINATE RCP BETWEEN ARCHITECTURAL AND MEP DRAWINGS

- |  |                              |  |                      |
|--|------------------------------|--|----------------------|
|  | 2x2' LAY-IN CEILING TILE     |  | GYPSUM BOARD CEILING |
|  | 2x4' LAY-IN CEILING TILE     |  | DIFFUSERS            |
|  | 2x4' LIGHT FIXTURE           |  | RETURN GRILL         |
|  | 2x2' LIGHT FIXTURE           |  | EXHAUST GRILL        |
|  | 2x4' EMERGENCY LIGHT FIXTURE |  | BULK HEAD            |
|  | 2x2' EMERGENCY LIGHT FIXTURE |  | WALLS BELOW          |
|  | EXIT SIGN                    |  | RECESSED DOWN LIGHT  |
|  | SMOKE DETECTOR               |  | O.T.A. OPEN TO ABOVE |
|  |                              |  | SPEAKER              |

RCP LEGEND  
1/8" = 1'-0"

NO.	BY	DATE	DESCRIPTION
1	CCA	7/31/23	ADDENDUM 1

**BMH DANVILLE CLINIC - SHELL**

BOONE MEMORIAL HEALTH  
300 4TH ST., DANVILLE, WV  
JUNE 30TH, 2023  
CONSTRUCTION DOCUMENTS

DRAWN: ZJH DATE: 06/30/2023  
CHECKED: CCA DATE: 06/30/2023  
PROJECT No. T060-11089

RCP

SHEET No.

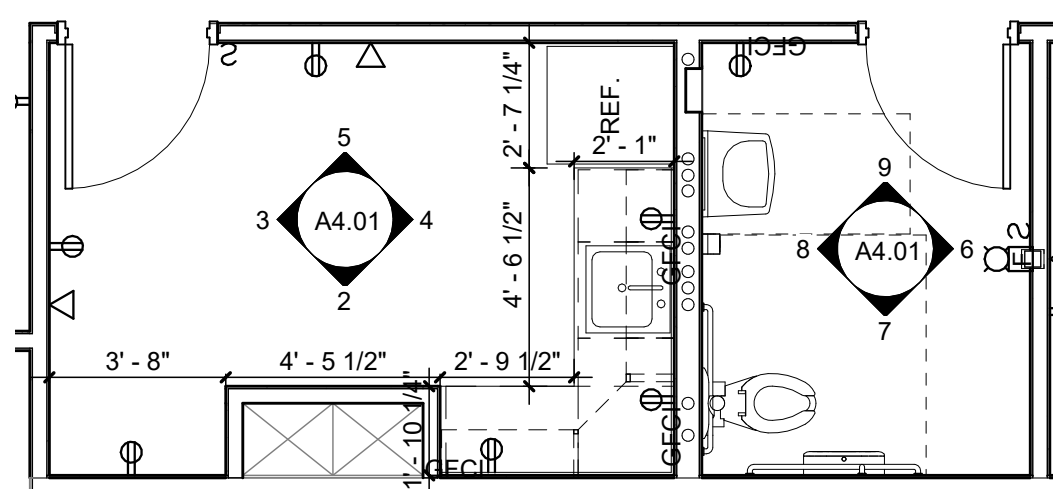
A1.02

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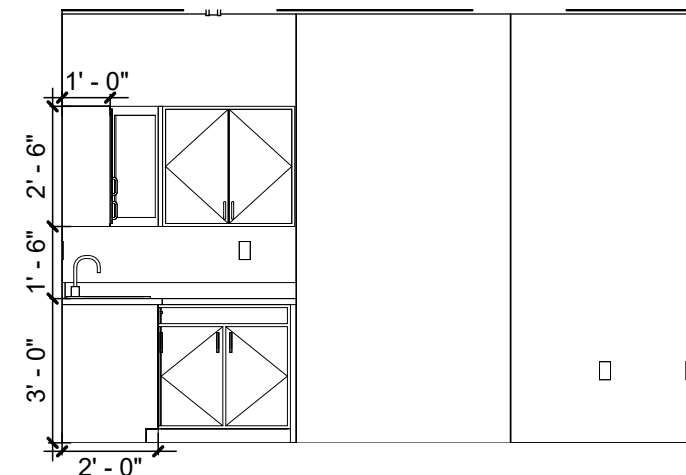


NO.	BY	DATE	DESCRIPTION
1	CCA	7/31/23	ADDENDUM 1

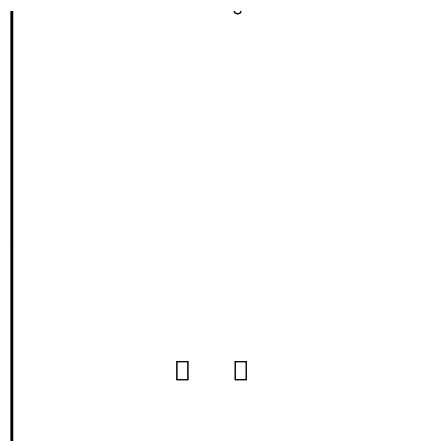
**BMH DANVILLE CLINIC - SHELL FITOUT**  
BOONE MEMORIAL HEALTH  
300 4TH ST., DANVILLE, WV  
JUNE 30TH, 2023  
CONSTRUCTION DOCUMENTS



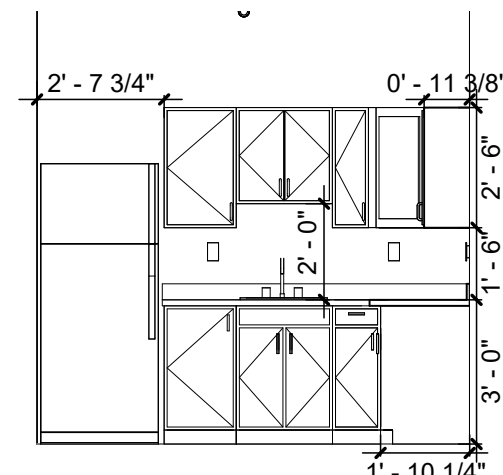
**1 BREAK ROOM & TLT. 202**  
A4.01 1/4" = 1'-0"



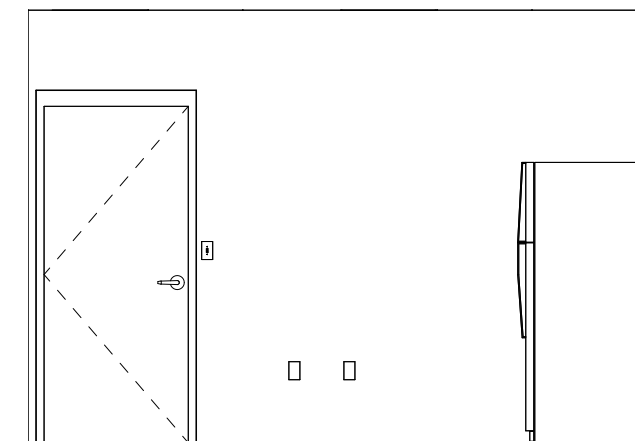
**2 BREAK ROOM ELEVATION**  
A4.01 1/4" = 1'-0"



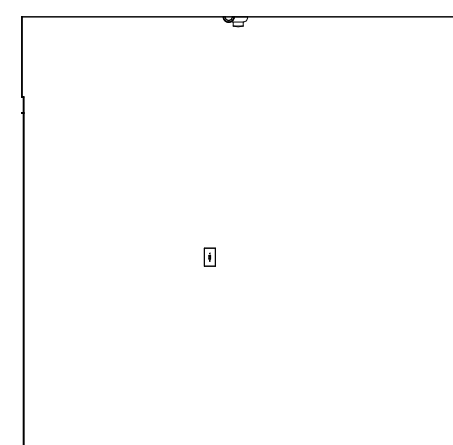
**3 BREAK ROOM ELEVATION**  
A4.01 1/4" = 1'-0"



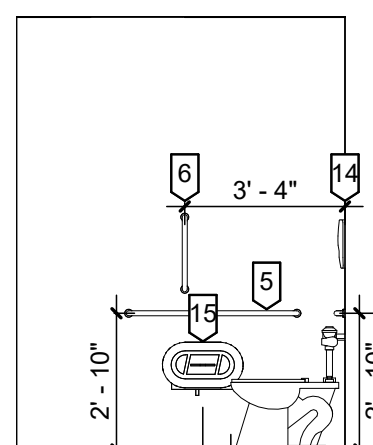
**4 BREAK ROOM ELEVATION**  
A4.01 1/4" = 1'-0"



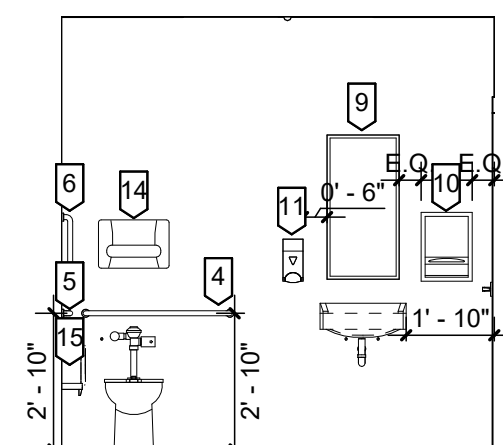
**5 BREAK ROOM ELEVATION**  
A4.01 1/4" = 1'-0"



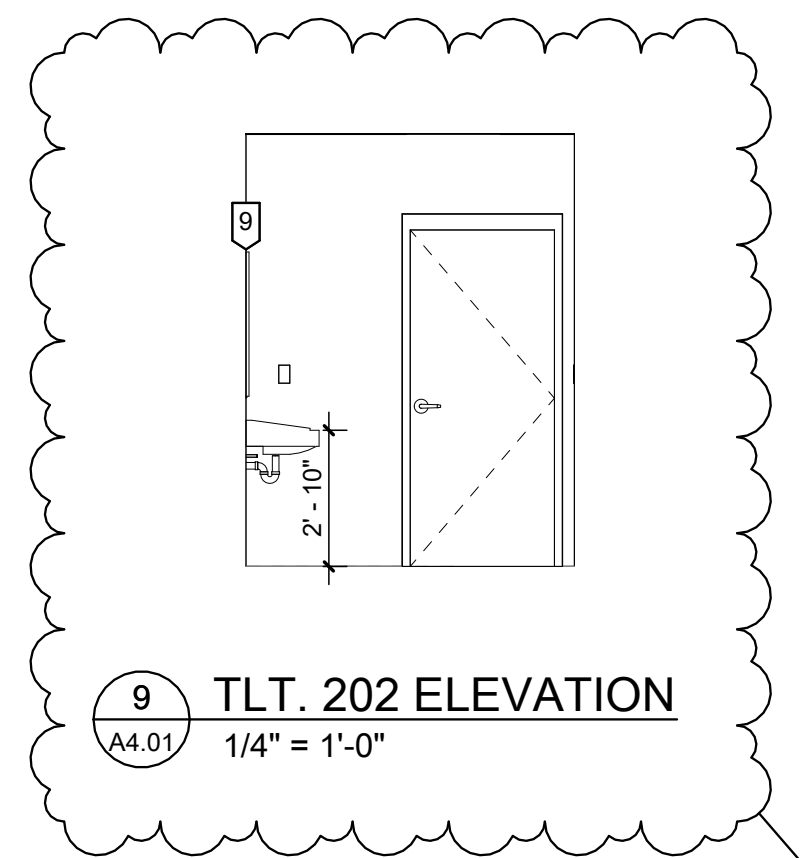
**6 TLT. 202 ELEVATION**  
A4.01 1/4" = 1'-0"



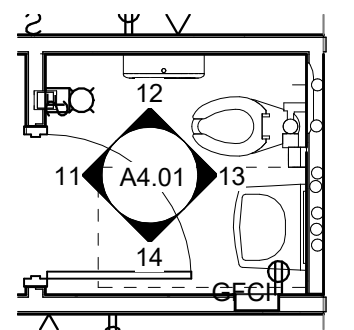
**7 TLT. 202 ELEVATION**  
A4.01 1/4" = 1'-0"



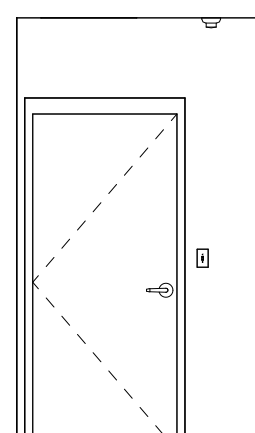
**8 TLT. 202 ELEVATION**  
A4.01 1/4" = 1'-0"



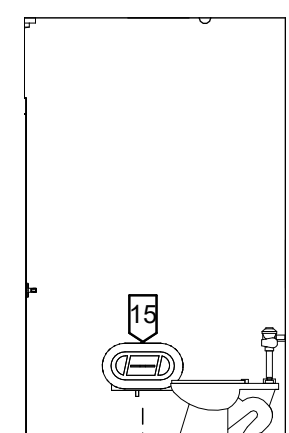
**9 TLT. 202 ELEVATION**  
A4.01 1/4" = 1'-0"



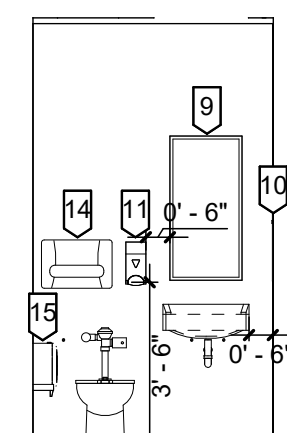
**10 TLT. 213**  
A4.01 1/4" = 1'-0"



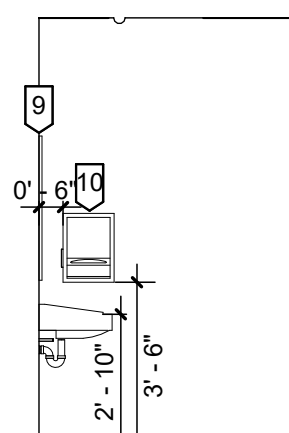
**11 TLT. 213 ELEVATION**  
A4.01 1/4" = 1'-0"



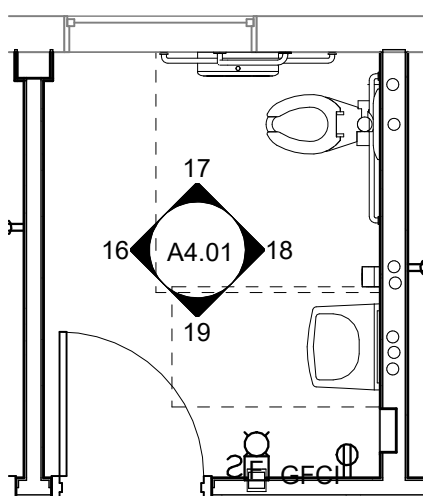
**12 TLT. 213 ELEVATION**  
A4.01 1/4" = 1'-0"



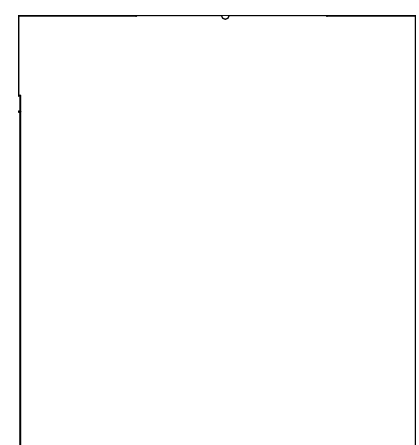
**13 TLT. 213 ELEVATION**  
A4.01 1/4" = 1'-0"



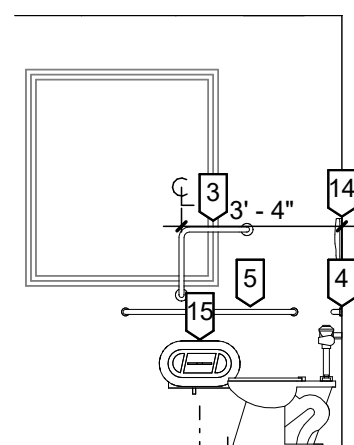
**14 TLT. 213 ELEVATION**  
A4.01 1/4" = 1'-0"



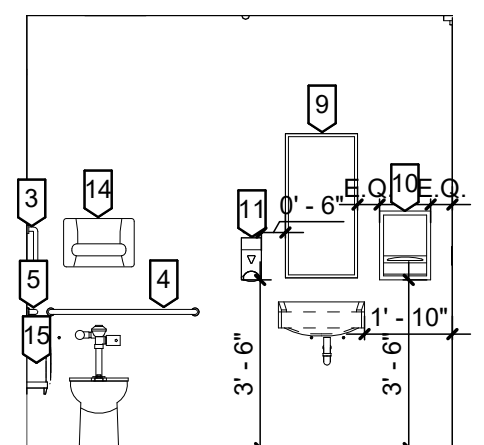
**15 TLT. 216**  
A4.01 1/4" = 1'-0"



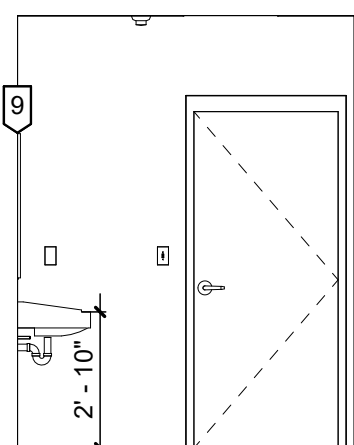
**16 TLT. 216 ELEVATION**  
A4.01 1/4" = 1'-0"



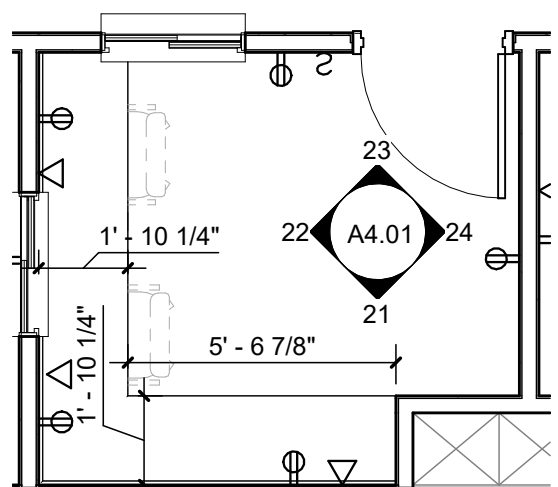
**17 TLT. 216 ELEVATION**  
A4.01 1/4" = 1'-0"



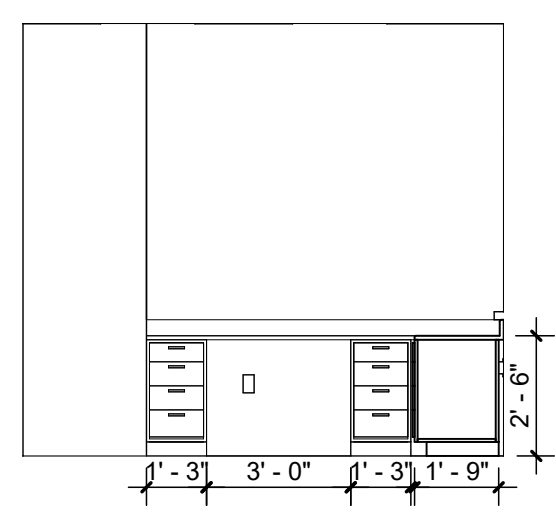
**18 TLT. 216 ELEVATION**  
A4.01 1/4" = 1'-0"



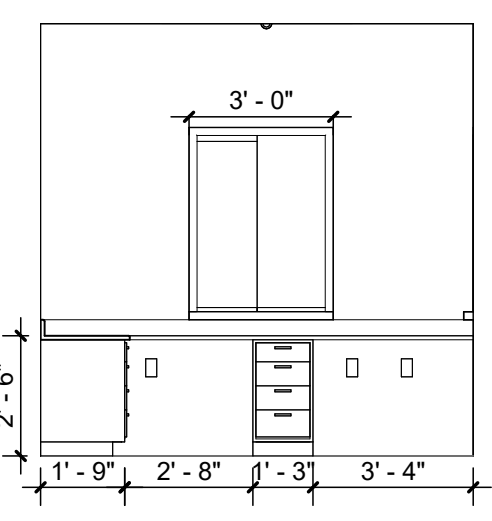
**19 TLT. 216 ELEVATION**  
A4.01 1/4" = 1'-0"



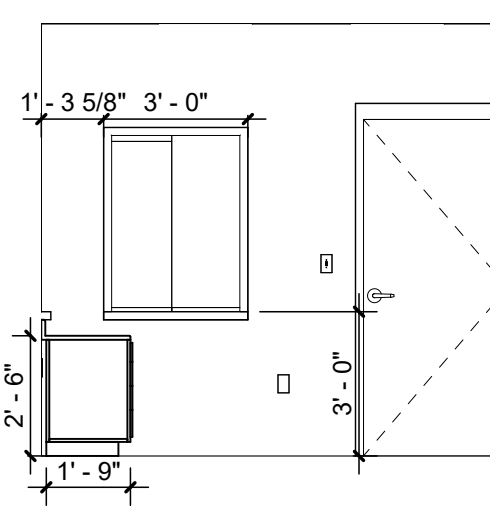
**20 OFFICE 206**  
A4.01 1/4" = 1'-0"



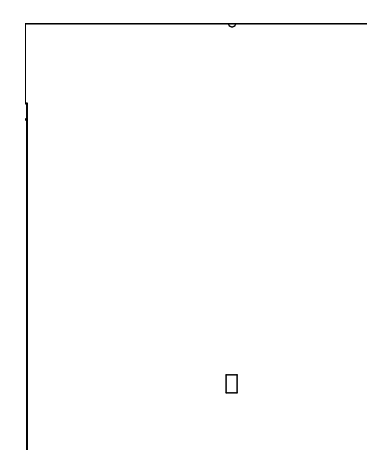
**21 OFFICE 206 ELEVATION**  
A4.01 1/4" = 1'-0"



**22 OFFICE 206 ELEVATION**  
A4.01 1/4" = 1'-0"



**23 OFFICE 206 ELEVATION**  
A4.01 1/4" = 1'-0"



**24 OFFICE 206 ELEVATION**  
A4.01 1/4" = 1'-0"

**RESTROOM ACCESSORY SCHEDULE**

NOTE #	DESCRIPTION
1	CURTAIN ROD
2	FOLD DOWN SEAT
3	L-SHAPED GRAB BAR
4	36" HORIZONTAL GRAB BAR
5	42" HORIZONTAL GRAB BAR
6	18" VERTICAL GRAB BAR
7	SHOWER GRAB BARS
8	HAND DRYER
9	MIRROR
10	PAPER TOWEL DISPENSER
11	SOAP DISPENSER
12	SANITARY NAPKIN DISPOSAL
13	TOWEL BAR
14	TOILET SEAT COVER DISPENSER
15	TOILET TISSUE DISPENSER

DRAWN: ZJH DATE: 06/30/2023  
CHECKED: CCA DATE: 06/30/2023

PROJECT No. 1060-11089

ENLARGED PLAN VIEWS & INT. ELEVATIONS

SHEET No.

**A4.01**

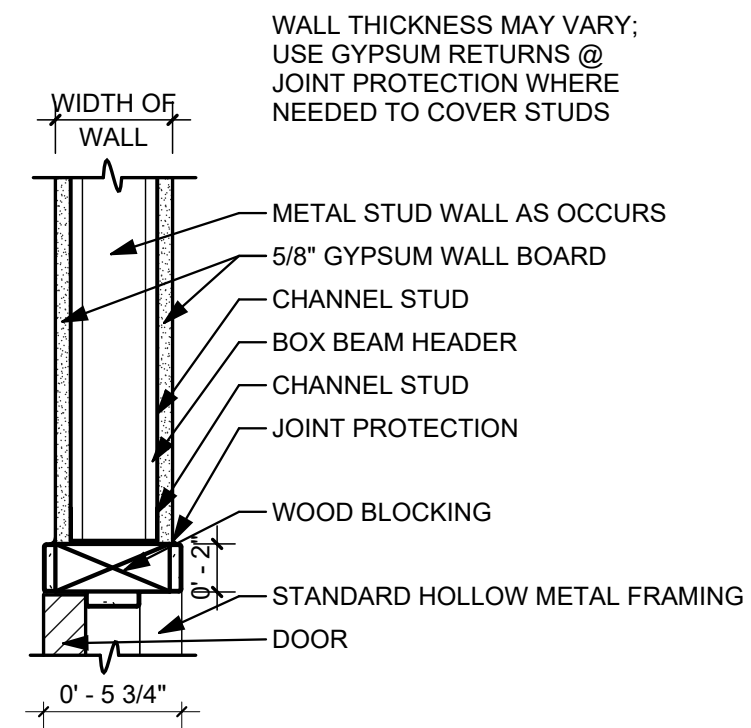
USER: ZJH

PLOT DATE/TIME: 8/20/23 11:42:31 AM

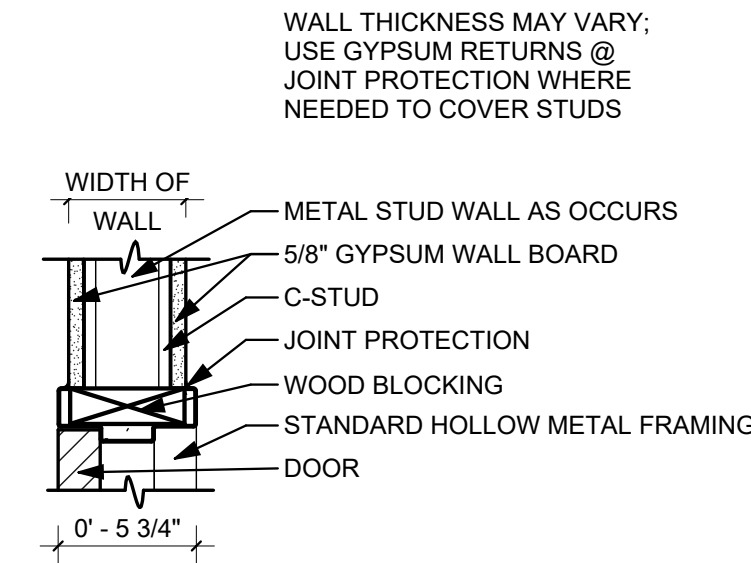
LAYOUT TAB: ENLARGED PLAN VIEWS & INT. ELEVATIONS  
CAD FILE: C:\Users\zjhd\OneDrive - Thrasher Engineering Group\Documents\106-11089 - BMH Danville Clinic - Shell Floor Plans\A4.01.dwg

**DOOR, FRAME, & HARDWARE SCHEDULE**

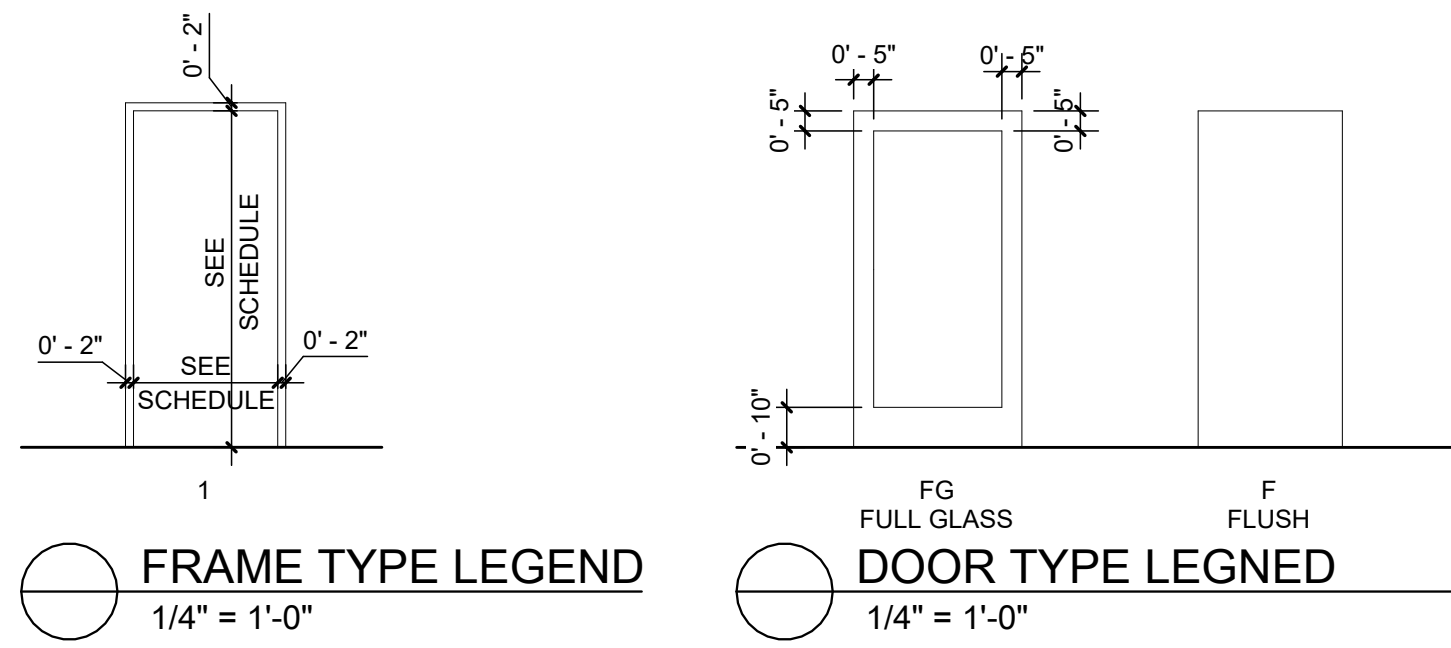
#	Type Mark	DOORS			FRAMES			ASSEMBLY				
		WIDTH	HEIGHT	DOOR MATERIAL	DOOR FINISH	FRAME TYPE	FRAME MATERIAL	FRAME FINISH	RATING	ACCESS CONTROLS	HARDWARE	REMARKS
200	FG	3'-0"	7'-0"	SCWD		1	MTL.	PTD			#100	
201	F	3'-0"	7'-0"	SCWD		1	MTL.	PTD			#101	
201A	F	3'-0"	7'-0"	SCWD		1	MTL.	PTD			#103	
202	F	3'-0"	7'-0"	SCWD		1	MTL.	PTD			#101	
203	F	3'-0"	7'-0"	SCWD		1	MTL.	PTD			#103	
204	F	3'-0"	7'-0"	SCWD		1	MTL.	PTD			#100	
205	F	3'-0"	7'-0"	SCWD		1	MTL.	PTD			#103	
206	F	3'-0"	7'-0"	SCWD		1	MTL.	PTD			#103	
207	F	3'-0"	7'-0"	SCWD		1	MTL.	PTD			#103	
207A	F	3'-0"	7'-0"	SCWD		1	MTL.	PTD			#103	
207B	F	3'-0"	7'-0"	SCWD		1	MTL.	PTD			#103	
209	F	3'-0"	7'-0"	SCWD		1	MTL.	PTD			#103	
210	F	3'-0"	7'-0"	SCWD		1	MTL.	PTD			#103	
211	F	3'-0"	7'-0"	SCWD		1	MTL.	PTD			#103	
212	F	3'-0"	7'-0"	SCWD		1	MTL.	PTD			#103	
213	F	3'-0"	7'-0"	SCWD		1	MTL.	PTD			#103	
214	F	3'-0"	7'-0"	SCWD		1	MTL.	PTD			#104	
215	F	3'-0"	7'-0"	SCWD		1	MTL.	PTD			#103	
216	F	3'-0"	7'-0"	SCWD		1	MTL.	PTD			#104	
217	F	3'-0"	7'-0"	SCWD		1	MTL.	PTD			#103	
218	F	3'-0"	7'-0"	SCWD		1	MTL.	PTD			#105	
219	F	3'-0"	7'-0"	SCWD		1	MTL.	PTD			#103	
220	F	3'-0"	7'-0"	SCWD		1	MTL.	PTD			#103	
221	F	3'-0"	7'-0"	SCWD		1	MTL.	PTD	45 MIN.		#106	
222	F	3'-0"	7'-0"	SCWD		1	MTL.	PTD			#103	



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



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



USER: ZJH

LAYOUT TAB: SCHEDULES & DIAGRAMS  
CAD FILE: C:\Users\zjondriva\OneDrive - Thrasher Engineering Group\Documents\106-11089 - BMH Danville Clinic - Shell Floor\_2023.rvt  
PLOT DATE/TIME: 8/20/2023 11:42:32 AM

**THRASHER**

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NO.	BY	DATE	DESCRIPTION
1	CCA	7/31/23	ADDENDUM 1

**BMH DANVILLE CLINIC - SHELL FITOUT**  
BOONE MEMORIAL HEALTH  
300 4TH ST., DANVILLE, WV  
JUNE 30TH, 2023  
CONSTRUCTION DOCUMENTS

DRAWN: ZJH DATE: 06/30/2023  
CHECKED: CCA DATE: 06/30/2023  
PROJECT No. 1060-11089

SCHEDULES & DIAGRAMS

SHEET No.

**A6.01**

**ROOM FINISH SCHEDULE**

ROOM #	ROOM NAME	FLOOR FINISH	BASE	WALL FINISH				CEILING HEIGHT	CEILING FINISH	REMARKS
				NORTH	EAST	SOUTH	WEST			
201	LOBBY	LVT	4" VINYL	PAINTED	PAINTED	PAINTED	PAINTED	9' 0"	A.C.T.	
201A	OFFICE	LVT	4" VINYL	PAINTED	PAINTED	PAINTED	PAINTED	9' 0"	A.C.T.	
202	TLT.	LVT	4" VINYL	PAINTED	PAINTED	PAINTED	PAINTED	9' 0"	A.C.T.	
203	CORRIDOR	LVT	4" VINYL	PAINTED	PAINTED	PAINTED	PAINTED	9' 0"	A.C.T.	
204	OFFICE	LVT	4" VINYL	PAINTED	PAINTED	PAINTED	PAINTED	9' 0"	A.C.T.	
205	OFFICE	LVT	4" VINYL	PAINTED	PAINTED	PAINTED	PAINTED	9' 0"	A.C.T.	
206	OFFICE	LVT	4" VINYL	PAINTED	PAINTED	PAINTED	PAINTED	9' 0"	A.C.T.	
207A	OFFICE	LVT	4" VINYL	PAINTED	PAINTED	PAINTED	PAINTED	9' 0"	A.C.T.	
207B	DATA	LVT	4" VINYL	PAINTED	PAINTED	PAINTED	PAINTED	9' 0"	A.C.T.	
208	OFFICE	LVT	4" VINYL	PAINTED	PAINTED	PAINTED	PAINTED	9' 0"	A.C.T.	
209	OFFICE	LVT	4" VINYL	PAINTED	PAINTED	PAINTED	PAINTED	9' 0"	A.C.T.	
210	OFFICE	LVT	4" VINYL	PAINTED	PAINTED	PAINTED	PAINTED	9' 0"	A.C.T.	
211	OFFICE	LVT	4" VINYL	PAINTED	PAINTED	PAINTED	PAINTED	9' 0"	A.C.T.	
212	OFFICE	LVT	4" VINYL	PAINTED	PAINTED	PAINTED	PAINTED	9' 0"	A.C.T.	
213	TLT.	LVT	4" VINYL	PAINTED	PAINTED	PAINTED	PAINTED	9' 0"	A.C.T.	
214	OFFICE	LVT	4" VINYL	PAINTED	PAINTED	PAINTED	PAINTED	9' 0"	A.C.T.	
215	OFFICE	LVT	4" VINYL	PAINTED	PAINTED	PAINTED	PAINTED	9' 0"	A.C.T.	
216	TLT.	LVT	4" VINYL	PAINTED	PAINTED	PAINTED	PAINTED	9' 0"	A.C.T.	
217	OFFICE	LVT	4" VINYL	PAINTED	PAINTED	PAINTED	PAINTED	9' 0"	A.C.T.	
218	BREAK	LVT	4" VINYL	PAINTED	PAINTED	PAINTED	PAINTED	9' 0"	A.C.T.	
219	OFFICE	LVT	4" VINYL	PAINTED	PAINTED	PAINTED	PAINTED	9' 0"	A.C.T.	
220	STOR.	LVT	4" VINYL	PAINTED	PAINTED	PAINTED	PAINTED	9' 0"	A.C.T.	
221	OFFICE	LVT	4" VINYL	PAINTED	PAINTED	PAINTED	PAINTED	9' 0"	A.C.T.	

1

USER: ZJH

LAYOUT TAB: FINISHED FLOOR PLAN  
 CAD FILE: C:\Users\zjondriva\OneDrive - Thrasher Engineering Group\Documents\106-11089 - BMH Danville Clinic - Shell Floor\_2023.rvt  
 PLOT DATE/TIME: 8/30/2023 11:42:32 AM



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NO.	BY	DATE	DESCRIPTION
1	CCA	7/31/23	ADDENDUM 1

**BMH DANVILLE CLINIC - SHELL FITOUT**  
 BOONE MEMORIAL HEALTH  
 300 4TH ST., DANVILLE, WV  
 JUNE 30TH, 2023  
 CONSTRUCTION DOCUMENTS

DRAWN: ZJH DATE: 06/30/2023  
 CHECKED: CCA DATE: 06/30/2023  
 PROJECT No: 1060-11089

FINISHED FLOOR PLAN

SHEET No:

**A7.01**

## PLUMBING FIXTURE SCHEDULE

\* REFER TO DRAWINGS FOR SPECIFIC VENTING METHOD AND SIZES

MARK	FIXTURE	DESCRIPTION	MAKE AND MODEL	PIPE SIZE (INCH)				ACCESSORIES
				WASTE	VENT	C.W.	H.W.	
WCH	WATER CLOSET-TANK TYPE (ADA)	VITREOUS CHINA, TANK TYPE, FLOOR MOUNTED, WHITE ELONGATED BOWL, 1.28 GPF	WC: KOHLER K-3658 / K-3658RA	4	*	1/2"	-	PROVIDE WITH HEAVY DUTY SOLID PLASTIC SEAT WITH OPEN FRONT, LESS COVER, STAINLESS STEEL SELF-SUSTAINING CHECK HINGES. PROVIDE BRASS LOOSE-KEY ANGLE SUPPLY STOP WITH ANNEALED SUPPLY RISER, POLISHED CHROME FINISH, MCGUIRE OR EQUAL. LOCATE FLUSH VALVE LEVER ON WIDE SIDE OF ROOM.
LVH	LAVATORY-STAFF-MANUAL FAUCET (ADA)	VITREOUS CHINA WALL HUNG LAVATORY, 21-1/4" X 18-1/8", 4" CENTERSET CHROME PLATED BRASS SENSOR FAUCET, 0.5 GPM. PROVIDE WITH FLOOR MOUNTED CONCEALED ARM CARRIER FOR THE LAVATORY.	LAVATORY: KOHLER K-2005 FAUCET: ZURN Z6915-XL	1 1/4	*	1/2"	1/2"	PROVIDE WITH POLISHED CHROME GRID DRAIN ASSEMBLY, 17 GAUGE 1-1/4" TAILPIECE, 1-1/4" X 1-1/2" 17 GA P-TRAP WITH WASTE ARM AND WALL ESCUTCHEON, LOOSE-KEY BRASS ANGLE STOPS WITH ANNEALED SUPPLIES, POLISHED CHROME FINISH, MCGUIRE OR EQUAL. PROVIDE PRE-MOLDED INSULATION KITS FOR ALL EXPOSED DRAINAGE AND SUPPLY PIPING AND TRIM BELOW LAV. TRUEBRO OR EQUAL. PROVIDE AND INSTALL A LEONARD 170-LF POINT OF USE THERMOSTATIC MIXING VALVE, SET AT 100 DEGREES F.
S-1	SINK (ADA)	18 GAUGE, TYPE 304 STAINLESS STEEL TOP MOUNT SINK, 22"x19-1/4"x6" DEEP, WITH 8" CENTERSET CHROME PLATED BRASS FAUCET WITH 4" WRISTBLADE HANDLES, 8" GOOSENECK	SINK: ELKAY LRADQ2219 FAUCET: ELKAY LK406GN08T4	1 1/2	2	1/2"	1/2"	3-1/2" STAINLESS STEEL DRAIN ASSEMBLY WITH BASKET STRAINER, 17 GAUGE 1-1/2" TAILPIECE, 1-1/2" X 1-1/2" 17 GA P-TRAP WITH WASTE ARM AND WALL ESCUTCHEON, LOOSE-KEY BRASS ANGLE STOPS WITH ANNEALED SUPPLIES, POLISHED CHROME FINISH, MCGUIRE OR EQUAL. PROVIDE PRE-MOLDED INSULATION KITS FOR ALL EXPOSED DRAINAGE AND SUPPLY PIPING AND TRIM BELOW SINK, TRUEBRO OR EQUAL.
FD-1	FLOOR DRAIN	CAST IRON BODY, COMBINATION INVERTIBLE MEMBRANE CLAMP AND ADJUSTABLE COLLAR WITH SEEPAGE SLOTS, HEEL PROOF 5" DIAMETER STAINLESS STEEL STRAINER. PROVIDE WITH TRAP PRIMER CONNECTION AT REQUIRED LOCATIONS.	ZURN ZS415SS-5SS	SEE PLANS	*	-	-	
IM	ICE MAKER WALL BOX-EMPLOYEE REFRIGERATOR	HIGH IMPACT PLASTIC BOX WITH 1/4 TURN BALL VALVE	OATEY	-	-	1/2"	-	
TP	TRAP PRIMER - PRESSURE DROP ACTIVATED	PRESSURE DROP ACTIVATED BRASS TRAP SEAL PRIMER, WITH INLET OPENING OF 1/2" MALE N.P.T. AND OUTLET OPENING OF FEMALE 1/2" N.P.T. COMPLETE WITH FOUR VIEW HOLES AND REMOVABLE FILTER SCREEN. PRESSURE DROP REQUIRED TO ACTIVATE DEVICE SHALL NOT EXCEED 5 PSI. FOR MULTIPLE DRAIN APPLICATIONS PROVIDE DISTRIBUTION UNITS AS REQUIRED.	PRIMER: MIFAB M2-500, UP TO 3 DRAINS MIFAB MR-500, UP TO 6 DRAINS MIFAB M1-500, UP TO 10 DRAINS DISTRIBUTION UNIT: MIFAB MI-DU, UP TO 4 DRAINS PER UNIT	-	-	1/2"	-	
WHA	WATER HAMMER ARRESTOR	PISTON OPERATED, TYPE "L" COPPER BARREL WITH BRASS THREADED ADAPTOR. ALL JOINTS SHALL BE MADE WITH 95-5 LEAD FREE SOLDER. THE PISTON SHALL BE EQUIPPED WITH TWO (2) EPDM "O" RINGS TO PROVIDE A PERMANENT MECHANICAL BARRIER BETWEEN FLUID AND PRE-LOAD AIR CHARGE. ARRESTORS MAY BE INSTALLED AT ANY ANGLE.	MIFAB MWH SERIES SIZE PER PDI	-	-	-	-	
S-2	FUTURE SINK	OWNER FURNISHED	OWNER FURNISHED	1 1/2	2	1/2"	1/2"	
HD	HUB DRAIN	PVC COATED BODY WITH BOTTOM OUTLET, SMOOTH, SOFT, FLEXIBLE, ELASTOMERIC PVC MATERIAL MOLDED INTO SHAPE OF DUCK'S BILL. OPEN TOP WITH CURL ENCLOSURE AT BOTTOM ALLOWS WASTEWATER TO OPEN AND ADEQUATELY DISCHARGE FLOOR DRAIN THROUGH ITS INTERIOR THEN CLOSES AND RETURNS TO ORIGINAL MOLDED SHAPE AFTER WASTEWATER DISCHARGE IS COMPLETE. 4" X 2" REDUCER STUBBED UP 2" ABOVE FINISHED FLOOR WITH DEEP SEAL TRAP.	PROSET SYSTEMS - T23FHDRS-SSW	2	*	-	-	
<p>NOTE: ACCEPTABLE ALTERNATE MANUFACTURERS FOR CHINA FIXTURES: AMERICAN STANDARD, GERBER, ZURN. ALL ALTERNATES REQUIRE OWNER REVIEW AND APPROVAL PRIOR TO ACCEPTANCE.</p>								

### ELECTRIC WATER HEATER SCHEDULE

MARK	-	EWH
MANUFACTURER	-	LOCHINVAR
SERVICE	-	HOT WATER
MODEL NUMBER	-	KTJ052KD
RECOVERY	GPH	21 @ 90° RISE
TEMP RISE	°F	85
STORAGE	GALLONS	46
ELEMENT CAPACITY	KW	4.5
ELECTRICAL	V / PH	208/1/60
ENERGY FACTOR	-	0.93
DIMENSIONS H X DIA.	-	20.5" X 59"
NOTES	-	1,2,3,4,5,6

#### NOTES / ACCESSORIES:

1. PROVIDE SERVICE CLEARANCE ON ALL SIDES AS PER MANUFACTURER'S RECOMMENDATIONS
2. INTEGRAL HEAT TRAPS
3. 120/1 V ELECTRICAL CONNECTION.
4. SET ON 12" TALL STAND.
5. DRAIN PAN
6. AMTROL ST-12-C EXPANSION TANK

### MIXING VALVE SCHEDULE

MARK	-	TMV
MANUFACTURER	-	LEONARD
MODEL NUMBER	-	370-LF
TYPE	-	HIGH/LOW
MIN. FLOW	GPM	0.5
EST. DEMAND FLOW	GPM	6
MAX. PRESSURE DROP	PSI	10
VALVE CW/HW INLET SIZES	IN.	3/4"
VALVE HWR INLET SIZE	IN.	-
VALVE MIXED OUTLET SIZE	IN.	3/4"
INCOMING HW TEMP	°F	140
OUTGOING MIXED HW TEMP	°F	115
NOTES / ACCESSORIES	-	-

#### NOTES / ACCESSORIES:

1. THERMOSTAT ON MIXED WATER SIDE
2. THERMOSTAT ON HOT WATER SIDE
3. SHUT OFF VALVES ON EACH WATER LINE AT VALVE

### HOT WATER CIRC PUMP SCHEDULE

MARK	-	RP
MANUFACTURER	-	TACO
MODEL NUMBER	-	006-SC4-1
PUMP GPM	-	1.5
PUMP HEAD @ GPM	FT	5
SPEED	RPM	3250
ELECTRICAL	V / PH	115/1
HORSEPOWER	HP	1/40
CONTROL	-	AQUASTAT
NOTES / ACCESSORIES	-	1, 2

#### NOTES / ACCESSORIES:

1. NORMALLY CLOSED PIPE MOUNTED AQUASTAT SHALL SHUT THE PUMP OFF UPON REACHING RETURN WATER TEMPERATURE SETPOINT TO MAINTAIN LOOP AT 115 DEG F.
2. PROVIDE DISCONNECT GFCI SWITCH

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07/31/2023 Addendum #1

1

DESCRIPTION

DATE

BY

NO.

**BMH DANVILLE CLINIC - SHELL  
FITOUT**

BOONE MEMORIAL HEALTH  
304 4TH ST., DANVILLE, WV  
JUNE 30TH, 2023

CONSTRUCTION DOCUMENTS

DRAWN: DEB DATE: 06/28/23  
CHECKED: KES DATE: 06/28/23  
APPROVED: TTG DATE: 06/28/23

PROJECT No.

T60-11089

SCHEDULES

SHEET No.

**P1.02**

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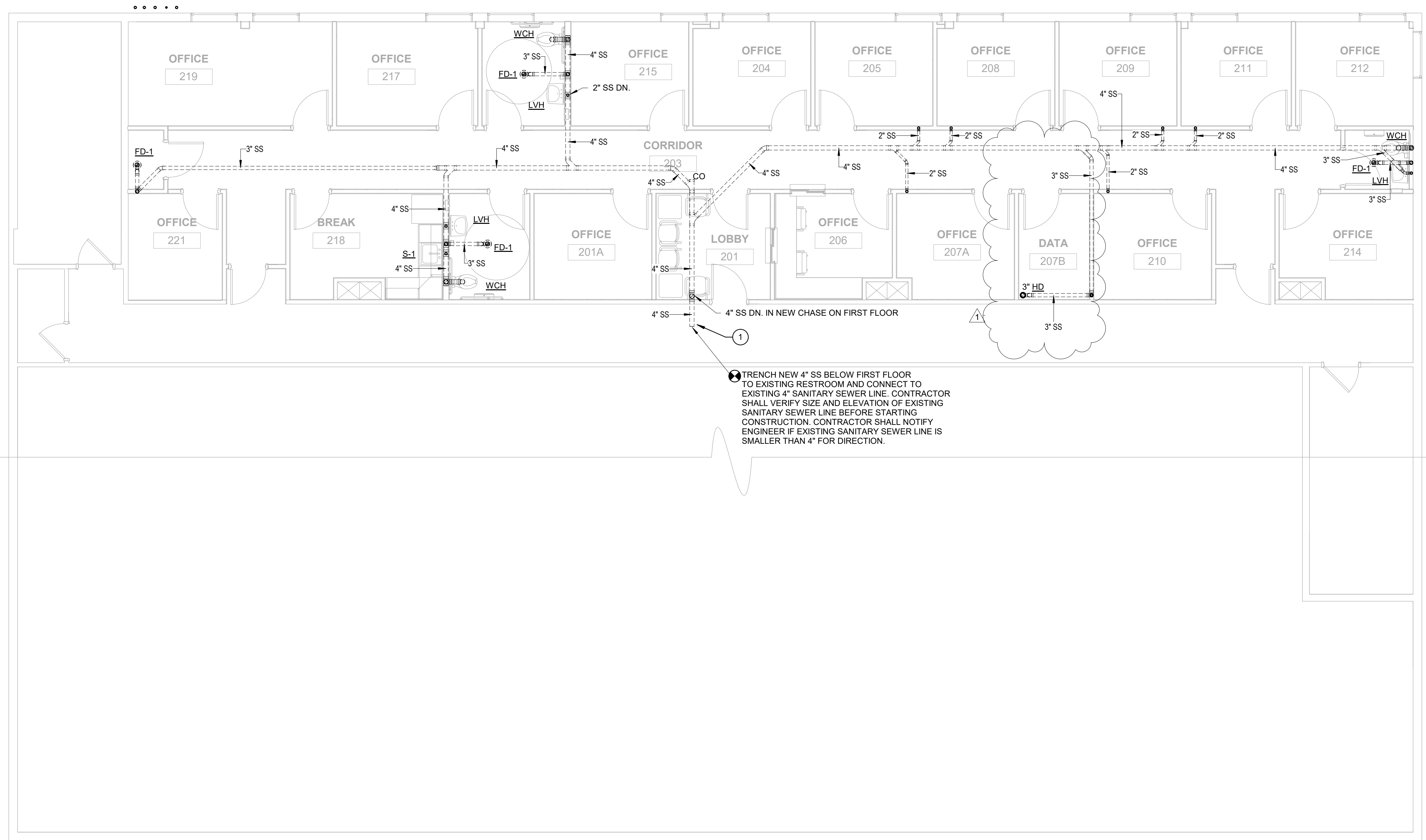
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LAYOUT TAB: SCHEDULES  
CAD FILE: C:\Users\kenneth.smith\Documents\BMH\BMC\_P03\_original\_detailed\_schematic.dwg



**○ KEY NOTES**

1. CONTRACTOR SHALL VERIFY EXISTING SANITARY SEWER LINE IS 4" OR LARGER BEFORE STARTING CONSTRUCTION. IF EXISTING SANITARY SEWER LINE IS SMALLER THAN 4" NOTIFY ENGINEER FOR INSTRUCTIONS.



① TRENCH NEW 4" SS BELOW FIRST FLOOR TO EXISTING RESTROOM AND CONNECT TO EXISTING 4" SANITARY SEWER LINE. CONTRACTOR SHALL VERIFY SIZE AND ELEVATION OF EXISTING SANITARY SEWER LINE BEFORE STARTING CONSTRUCTION. CONTRACTOR SHALL NOTIFY ENGINEER IF EXISTING SANITARY SEWER LINE IS SMALLER THAN 4" FOR DIRECTION.

NO.	BY	DATE	DESCRIPTION
1			

**BMH DANVILLE CLINIC - SHELL FITOUT**  
BOONE MEMORIAL HEALTH  
304 4TH ST., DANVILLE, WV  
JUNE 30TH, 2023  
CONSTRUCTION DOCUMENTS

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

PROJECT No. T60-11089

BELOW SECOND FLOOR PLUMBING PLAN - NEW WORK  
SHEET No.

**P2.00**

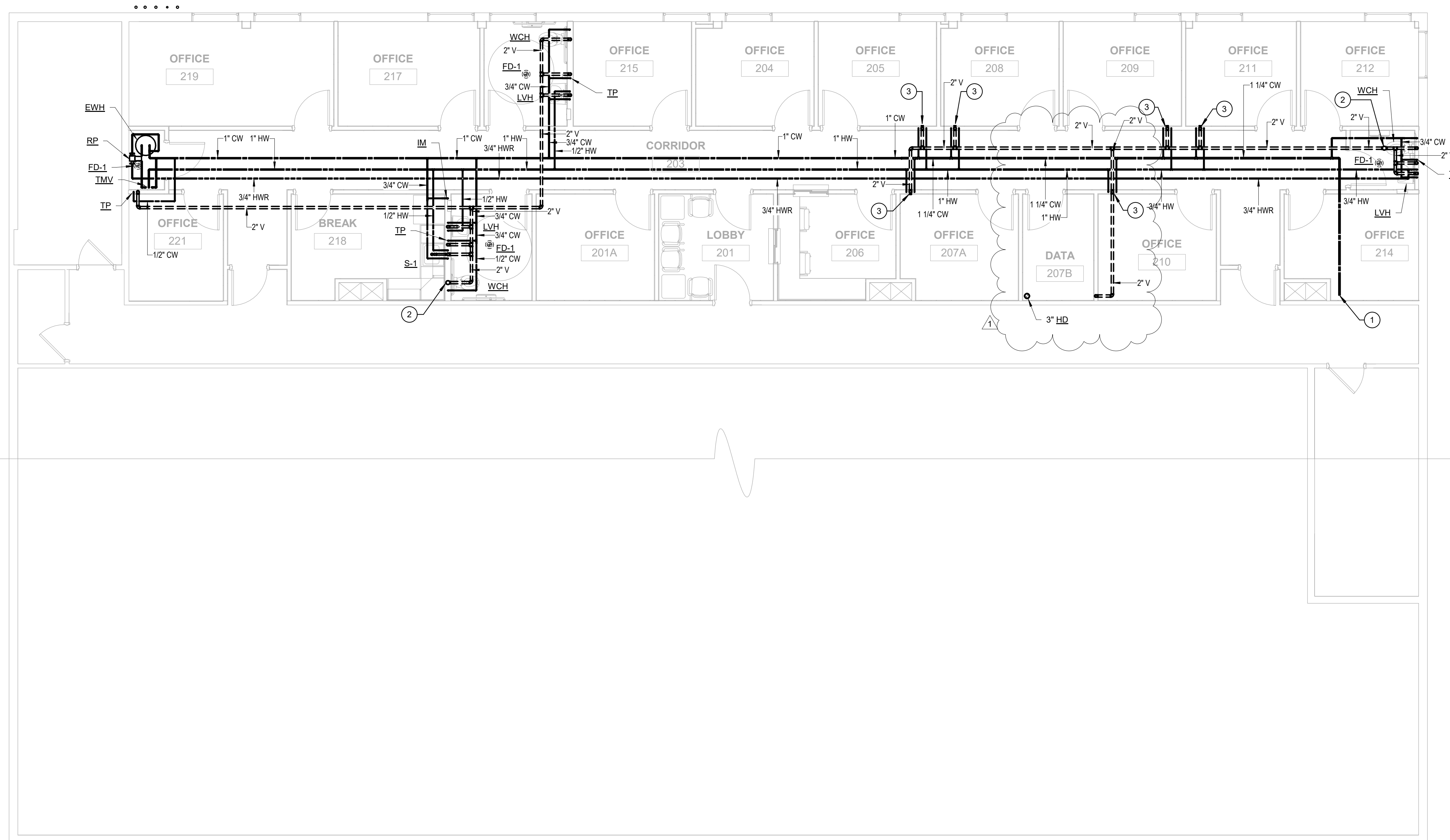
**1** BELOW SECOND FLOOR PLUMBING PLAN - NEW WORK  
P2.00 3/16" = 1'-0"





**KEY NOTES**

1. CONNECT NEW 1 1/4" COLD WATER LINE TO EXISTING TWO 1" COLD WATER SUPPLY LINES. CONTRACTOR TO VERIFY EXISTING (2) 1" COLD WATER LINES ARE PROTECTED BY EXISTING REDUCED PRESSURE BACKFLOW PREVENTER. IF EXISTING TWO COLD WATER LINES ARE NOT PROTECTED CONTRACTOR SHALL INSTALL A NEW 1 1/4" REDUCED PRESSURE BACKFLOW PREVENTER ON FIRST FLOOR AND REPLACE EXISTING TWO 1" COLD WATER LINES WITH A NEW 1 1/4" COLD WATER LINE FROM NEW REDUCED PRESSURE BACKFLOW PREVENTER. CONTRACTOR SHALL PROVIDE A SHUTOFF VALVE ON NEW 1 1/4" COLD WATER LINE INTO TENANT SPACE WITH ACCESS TO VALVE.
2. 3" VENT UP THROUGH ROOF. CONTRACTOR SHALL NOT INSTALL PLUMBING VENT WITH IN 10'-0" OF ANY OUTSIDE AIR INTAKE.
3. CONTRACTOR SHALL PROVIDE WATER, WASTE AND SANITARY SEWER LINES FOR FUTURE SINK. CONTRACTOR SHALL CAP WATER LINES IN WALL. SEE PLUMBING FIXTURE SCHEDULE FOR LINE SIZES.



NO.	BY	DATE	DESCRIPTION
1			

**BMH DANVILLE CLINIC - SHELL  
FITOUT**  
BOONE MEMORIAL HEALTH  
304 4TH ST., DANVILLE, WV  
JUNE 30TH, 2023  
CONSTRUCTION DOCUMENTS

DRAWN: DEB DATE: 06/26/23  
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PROJECT No. T60-11089

SECOND FLOOR  
PLUMBING PLAN - NEW  
WORK

SHEET No. **P2.01**

**2 SECOND FLOOR PLUMBING PLAN - NEW WORK**  
P2.01 3/16" = 1'-0"

## EXISTING ROOFTOP UNIT SCHEDULE

MARK	MANUF.	MODEL NO.	NOMINAL TONNAGE	WEIGHT (LBS)	CFM			SUPPLY FAN				COOLING				HEATING				VOLTS/PHASE	MCA	MOCP	NOTES	
					S.A. (MAX)	R.A.	O.A.	E.S.P. (IN.)	H.P.	RPM	TOTAL MBH	SEN. MBH	SEER	E.A.T. (°F) DB/WB	L.A.T. (°F) DB/WB	TOTAL MBH INPUT	TOTAL MBH OUTPUT	E.A.T. (°F)	L.A.T. (°F)					STAGES
RTU-1	RHEEM	C060JK10E	5	-	1580	1335	235	0.5	-	-	42.4	31.4	13.0	75.1/62.6	55/54	100.0	34.9	55	90	-	208/1/60	-	-	1,2
RTU-2	RHEEM	C060JK10E	5	-	1570	1305	265	0.5	-	-	36.1	25.2	13.0	78.3/65.5	55/54	100.0	30.2	55	90	-	208/1/60	-	-	1,2

NOTES:  
 1. SCHEDULE PROVIDED FOR INFORMATION ONLY.  
 2. BALANCE SUPPLY, RETURN, AND OUTSIDE AIR CFM AS NOTED IN SCHEDULE.

## EXHAUST FAN SCHEDULE

MARK	MANUFACTURER	MOD. NO.	WEIGHT (LBS)	CFM	S.P. (IN)	RPM	SONES	HP OR WATTS	VOLTS / PHASE	NOTES
EF-1,3	GREENHECK	SP-A90	12	75	0.1	722	0.3	8 W	120V/1Ø	1,2,3
EF-2	GREENHECK	SP-A110	17	100	0.1	825	0.3	12 W	120V/1Ø	1,2,3

NOTES:  
 1) DIRECT DRIVE CEILING EXHAUST FAN WITH BACKDRAFT DAMPER, VIBRATION ISOLATORS, POWER DISCONNECT, AND WALL CAP (WC-6).  
 2) SOLID STATE SPEED CONTROLLER FOR BALANCING.  
 3) FAN TO BE INTERLOCKED WITH LIGHTS.

## GRILLE, REGISTER AND DIFFUSER SCHEDULE

MARK	MANUFACTURER	MODEL NO.	USE	DESCRIPTION	NOTES
D1	TITUS	TMS	SUPPLY	SQUARE FULL LOUVER FACE CEILING DIFFUSER WITH FRAME TYPE - 3 FOR LAY-IN MOUNTING.	1,4
R1	TITUS	PAR	RETURN	SQUARE FLUSH PERFORATED FACE CEILING DIFFUSER WITH FRAME TYPE - 3 FOR LAY-IN MOUNTING.	1,4

NOTES: (NOT ALL NOTES ARE USED)

1. STEEL
2. ALUMINUM
3. STAINLESS STEEL
4. WHITE FINISH
5. ALUMINUM FINISH
6. SPECIAL FINISH
7. VOLUME DAMPER (OPPOSED BLADE)

8. TAMPERPROOF VOLUME DAMPER
9. FIRE DAMPER
10. FILTER
11. TAMPERPROOF SCREWS
12. BAFFLE
13. SAFETY CHAIN

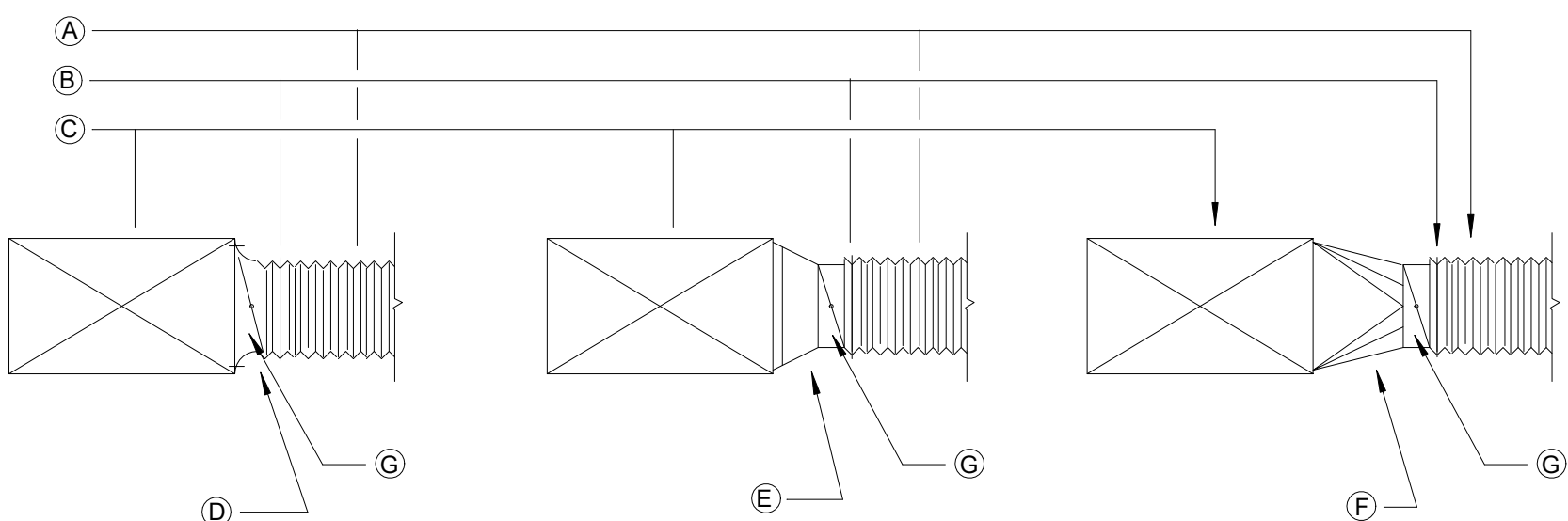
GENERAL NOTES:

- A. SIZE OF NECK FOR ABOVE ARE SHOWN ON PLAN.
- B. SIZE OF GRILLE FOR ABOVE ARE SHOWN ON PLAN.

## SPLIT SYSTEM AIR CONDITIONER SCHEDULE

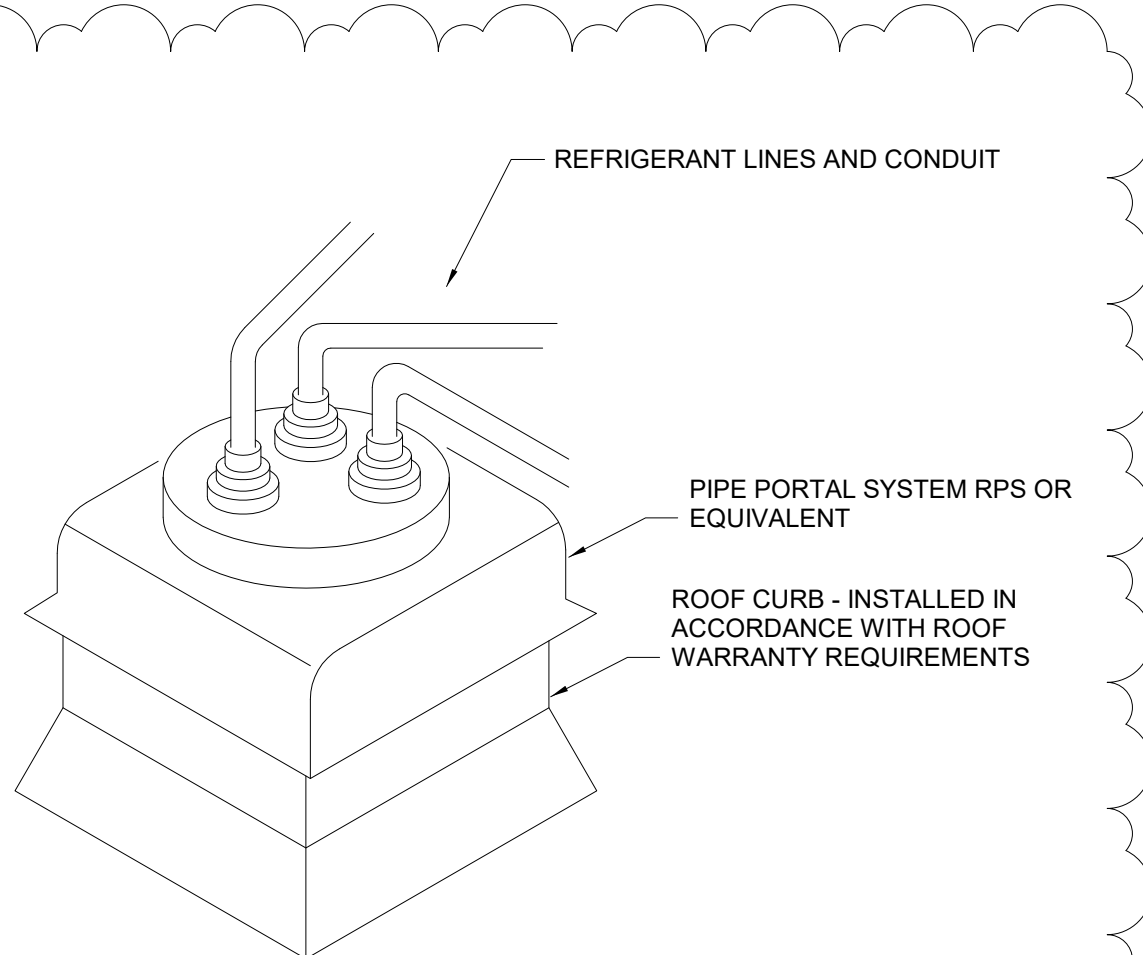
INDOOR UNIT						OUTDOOR UNIT										
MARK	MANUFACTURER	MODEL NO.	WEIGHT (LB)	CFM	NOTES	MARK	MANUFACTURER	MODEL NO.	WEIGHT (LB)	COOLING CAPACITY			VOLT. PHASE	SYSTEM MCA	SYSTEM MOCP	NOTES
										TOTAL MBH	SENSIBLE MBH	SEER				
AC-1	mitsubishi	PKA-A12LA	28	455	1,3,5	CU-1	mitsubishi	PUY-A12NKA7-BS	92	12.0	10.6	21.0	208/1	11.0	28.0	2,4

NOTES:  
 1) WALL MOUNTED AIR CONDITIONER, PROVIDE WITH MOUNTING BRACKET, CONDENSATE PUMP, AND PROGRAMMABLE CONTROLLER. POWERED FROM OUTDOOR UNIT.  
 2) AIR COOLED CONDENSING UNIT, PROVIDE WITH INSULATED REFRIGERANT LINE SET AND POWER DISCONNECT.  
 3) CAPACITY BASED ON EAT OF 80/67.  
 4) CONDENSER RATED AT 95° F.  
 5) LOW AMBIENT COOLING.

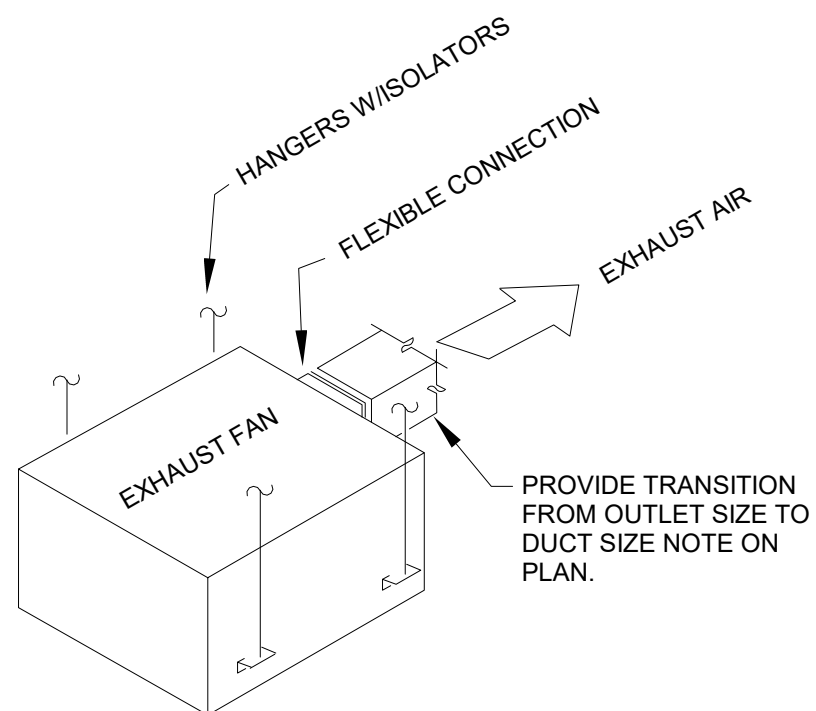


- |  |  |
|--|--|
| (A) FLEX DUCT<br>(B) PLASTIC TIE BAND<br>(C) DUCT MAIN<br>(D) BELLMOUTH TAKE-OFF BUCKLEY AIR PRODUCTS TYPE BM-D OR EQUAL WITH DAMPER | (E) CONICAL SPIN-IN FITTING WITH DAMPER-GENFLEX MODEL SM-2D OR EQUAL<br>(F) FABRICATED SQUARE TO ROUND TAP WITH DAMPER-AREA OF TAP TO BE 1.5xAREA OF BRANCH<br>(G) VOLUME DAMPER |
|--|--|

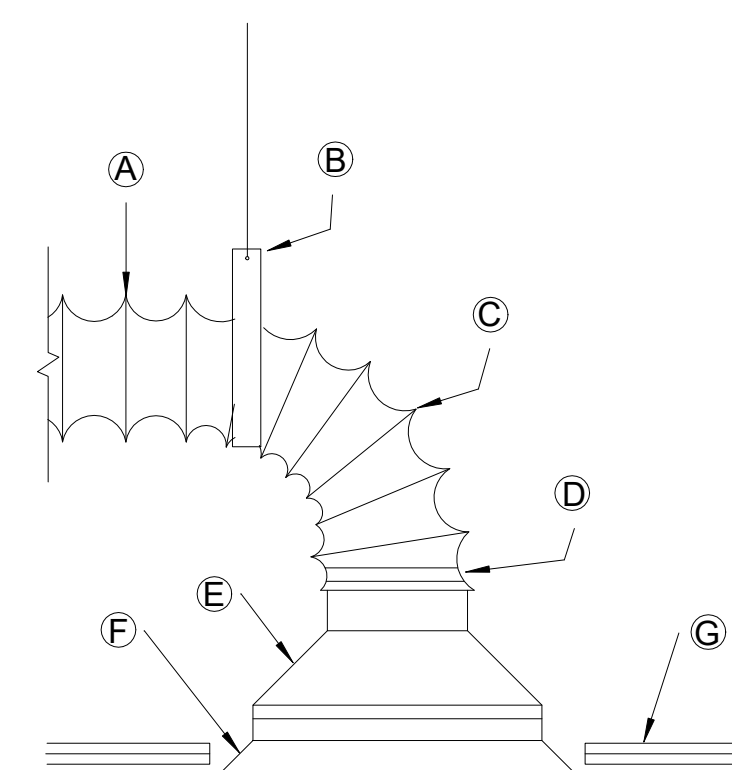
ALTERNATE METHODS OF FLEX DUCT CONNECTIONS  
NOT TO SCALE



DETAIL OF REFRIGERANT PIPING THROUGH ROOF DECK  
NOT TO SCALE



CEILING CABINET EXHAUST FAN DETAIL  
NOT TO SCALE



ELEVATION  
INSTALLATION DETAILS FOR FLEXIBLE DUCTS  
NOT TO SCALE

### ABBREVIATIONS

AFF ABOVE FINISHED FLOOR BF BELOW FLOOR BCU BLOWER COIL UNIT CFM CUBIC FEET PER MINUTE COP COEFFICIENT OF PERFORMANCE CU CONDENSING UNIT DN DOWN DB DRY BULB DU DUCTLESS UNIT EA EXHAUST AIR EAT ENTER AIR TEMPERATURE EC ELECTRICAL CONTRACTOR ECH ELECTRIC CEILING HEATER EER ENERGY EFFICIENCY RATIO EF EXHAUST FAN ESP EXTERIOR STATIC PRESSURE EUH ELECTRIC UNIT HEATER EWH ELECTRIC WALL HEATER FD FIRE DAMPER FPD FEET PER MINUTE GC GENERAL CONTRACTOR GUH GAS UNIT HEATER HP HORSEPOWER KW KILOWATTS L LOUVER LAT LEAVING AIR TEMPERATURE	MAU MAKE-UP AIR UNIT MH MOUNTING HEIGHT MBH THOUSAND BTU/HR MOD MOTORIZED DAMPER NIC NOT INCLUDED IN CONTRACT NTS NOT TO SCALE O.A. OUTSIDE AIR PC PLUMBING CONTRACTOR PD PRESSURE DROP RA RETURN AIR RH RELATIVE HUMIDITY RPM REVOLUTIONS PER MINUTE RTU ROOFTOP UNIT SA SUPPLY AIR SD SMOKE DETECTOR SF SUPPLY FAN STR STARTER (MOTOR) TS TIP SPEED TSP TOTAL STATIC PRESSURE (TYP) TYPICAL TZ TRANSFORMER UNO UNLESS NOTED OTHERWISE WH WATER HEATER W WITH WB WET BULB W/O WITHOUT WP WEATHER PROOF
---	---

## GENERAL MECHANICAL NOTES:

1. PROVIDE ALL MATERIALS AND EQUIPMENT AND PERFORM ALL LABOR REQUIRED TO INSTALL COMPLETE AND OPERABLE HVAC SYSTEM AS INDICATED ON THE DRAWINGS, AS SPECIFIED AND AS REQUIRED BY CODE.
2. CERTAIN ITEMS SUCH AS RISES AND DROPS IN DUCTWORK, ACCESS DOORS, VOLUME DAMPERS, ETC., ARE INDICATED FOR CLARITY IN CERTAIN AREAS. THIS DOES NOT RELIEVE THE CONTRACTOR OF PROVIDING THESE ITEMS NOT SHOWN IN OTHER AREAS AS REQUIRED FOR A COMPLETE INSTALLATION.
3. UNLESS NOTED OTHERWISE, LOCATE ALL ROOM THERMOSTATS 5'-0" ABOVE FINISH FLOOR.
4. ALL DUCTWORK SHALL CLEAR DOORS AND WINDOWS.
5. ALL DUCTWORK DIMENSIONS, AS SHOWN ON DRAWINGS, ARE INTERNAL CLEAR DIMENSIONS. DUCT SIZE SHALL BE INCREASED IN SIZE TO COMPENSATE FOR INTERNAL LININGS.
6. COORDINATE DIFFUSER, REGISTER, AND GRILLE LOCATIONS WITH ARCHITECTURAL PLANS, LIGHTING, AND OTHER ITEMS LOCATED IN CEILING.
7. LOCATE ALL MECHANICAL EQUIPMENT FOR UNOBSTRUCTED ACCESS TO UNIT ACCESS PANELS, CONTROLS, AND VALVING.
8. PROVIDE FLEXIBLE CONNECTIONS IN ALL DUCTWORK SYSTEMS CONNECTED TO AIR HANDLING UNITS, FANS, AND OTHER EQUIPMENT THAT REQUIRE VIBRATION ISOLATION. FLEXIBLE CONNECTIONS SHALL BE PROVIDED AT THE POINT OF CONNECTION UNLESS NOTED OTHERWISE.
9. RUNS OF FLEXIBLE DUCTWORK SHALL NOT EXCEED 5 FEET.
10. ALL DUCTS SHALL BE GROUNDED ACROSS FLEXIBLE CONNECTIONS WITH FLEXIBLE COPPER GROUNDING STRAPS.
11. TURNING VANES SHALL BE INSTALLED IN ALL RECTANGULAR DUCT ELBOWS THAT EXCEED 45° CHANGE IN DIRECTION.
12. INSTALL 1" DUCTLINER IN FIRST 15' OF ALL RETURN AIR DUCTS.
13. SMOKE DETECTORS SHALL BE FURNISHED AND WIRED BY THE ELECTRICAL CONTRACTOR. THE MECHANICAL CONTRACTOR SHALL INSTALL THE SMOKE DETECTOR IN THE DUCTWORK.
14. CONTROL RELAYS SHALL BE WIRED BY THE ELECTRICAL CONTRACTOR. THE MECHANICAL CONTRACTOR SHALL FURNISH AND INSTALL THE RELAY IN THE EQUIPMENT.

## SYMBOL LEGEND

SYMBOL	DESCRIPTION
⊕	EQUIPMENT SYMBOL - SEE LIST ON DWGS.
▭	RIGID AIR DUCT SYSTEM
~	FLEXIBLE DUCT
▭	MANUAL CONTROL DAMPER (W/LOCKING DEVICE)
⊕	CEILING SUPPLY DIFFUSER
⊕	CEILING RETURN OR EXHAUST GRILLE
24"x10"	DUCT SIZE INSIDE DIMENSIONS - 24"W x 10"D
10"Ø	DUCT SIZE - 10" DIAMETER
T S	THERMOSTAT / SENSOR
A	PLAN NOTE
⊕	POINT OF CONNECTION, NEW TO EXISTING
(2) D1	DIFFUSER SYMBOL - SEE SCHEDULE
8"Ø	NECK SIZE
200	DESIGN CUBIC FEET PER MINUTE OF AIR
	QUANTITY FOR ROOM OR SPACE

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NO.	BY	DATE	DESCRIPTION
1		07/31/2023	Academium #1

**BMH DANVILLE CLINIC - SHELL FITOUT**  
 BOONE MEMORIAL HEALTH  
 304 4TH ST., DANVILLE, WV  
 JUNE 30TH, 2023  
 CONSTRUCTION DOCUMENTS

DRAWN: TTG DATE: 06/30/2023  
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 APPROVED: KES DATE: 06/30/2023

PROJECT No. 160-11089

LEGEND & SCHEDULE

SHEET No.

# M1.01

MECHANICAL SPECIFICATIONS:

HEATING, VENTILATING AND AIR CONDITIONING GENERAL

- I. DESCRIPTION OF THE WORK:
A. THE CONTRACTOR SHALL FURNISH AND INSTALL EQUIPMENT AS INDICATED ON THE DRAWINGS. ITEMS NOT LISTED OR DETAILED, BUT REQUIRED FOR INSTALLATION OF A COMPLETE, FULLY FUNCTIONAL HEATING, AIR CONDITIONING AND VENTILATION SYSTEM SHALL BE FURNISHED AND INSTALLED BY THIS CONTRACTOR.
B. THE EXTENT OF THE MECHANICAL WORK IS INDICATED ON THE DRAWINGS. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING FACTORY PROVIDED ACCESSORIES.
C. THE ENTIRE INSTALLATION SHALL BE IN ACCORDANCE WITH THE DRAWINGS, SPECIFICATIONS, APPLICABLE REQUIREMENTS OF THE MANUFACTURERS OF THE EQUIPMENT AND LOCAL CODE REQUIREMENTS, AND IN ACCORDANCE WITH SMACNA STANDARDS AND THE LATEST EDITIONS OF THE STATE BUILDING CODES, NFPA-90A, AND NFPA-101.

- II. OPERATION MANUALS
A. MAINTENANCE MANUALS AND INSTRUCTIONS: FURNISH THREE (3) SETS OF COMPLETE OPERATING INSTRUCTIONS COVERING ENTIRE HEATING, VENTILATING AND AIR CONDITIONING SYSTEM.

- III. SYSTEM REQUIREMENTS
A. NOISE AND VIBRATION: EQUIPMENT SHALL OPERATE QUIETLY AND THE DESIGN OF THE SUPPORTS SHALL BE SUCH THAT THE OPERATION OF THE EQUIPMENT SHALL CAUSE NO PERCEPTIBLE VIBRATION IN THE FLOORING ADJACENT TO THE EQUIPMENT, NOR CAUSE, DIRECTLY OR INDIRECTLY, VIBRATION OR OBJECTIONABLE NOISE IN ANY OTHER PORTION OF THE BUILDING AND/OR IN THE BUILDING STRUCTURE ITSELF. FLASHING: ALL FLASHING REQUIRED FOR PENETRATION OF ROOF SURFACES BY HVAC SYSTEM, VENTS, PIPE CURBS, ETC. SHALL BE INCLUDED UNDER THE GENERAL CONTRACTOR'S SCOPE OF WORK AND SHALL BE IN ACCORDANCE WITH RECOMMENDATIONS OF THE ROOFING MANUFACTURER.
C. FOUNDATIONS: FURNISH ALL FOUNDATIONS FOR EQUIPMENT COVERED IN THE SPECIFICATIONS, AS A PART OF THIS SECTION, UNLESS OTHERWISE INDICATED ON THE DRAWINGS.

- IV. WARRANTY:
A. FURNISH A FIVE (5) YEAR WARRANTY ON ALL COMPRESSORS, A 10 YEAR WARRANTY ON HEAT EXCHANGERS, AND A ONE (1) YEAR SERVICE AND GUARANTEE ON ALL CONTROLS, COMPRESSORS, EQUIPMENT AND MATERIALS.

- V. MECHANICAL SUBMITTALS
A. PROVIDE SIX COPIES OF EACH SUBMITTAL.
B. SUBMITTALS ARE REQUIRED ON THE FOLLOWING ITEMS:
1. FLEXIBLE DUCT AND FITTINGS
2. DUCT INSULATION
3. EXHAUST FANS
4. DIFFUSERS/GRILLES

- VI. AS BUILT DRAWINGS
A. FURNISH THE OWNER WITH 3 SETS OF AS-BUILT DRAWINGS UPON COMPLETION OF THE WORK.

PART 2 - PRODUCTS

- I. SHEET METAL WORK. NOTE: THE INSTALLATION OF THE HVAC SYSTEM, INCLUDING BUT NOT LIMITED TO, RETURN AND SUPPLY DROPS, TRUNK LINES, BRANCH LINES AND DIFFUSERS SHALL BE COMPLETED IN SUCH A MANNER TO PRESENT A SYSTEM SUITABLE FOR THE INTENDED PURPOSE. ANY PART OF THE SYSTEM NOT CONFORMING TO THE ABOVE PURPOSE SHALL BE REMOVED AND REPLACED BY THIS CONTRACTOR.
A. SUPPLY GALVANIZED SHEET METAL WORK IN ACCORDANCE WITH ASHRAE OR SMACNA STANDARDS. SIZE OF DUCT INDICATED ON DRAWINGS IS FINISHED INSIDE DIMENSION.
B. PROVIDE OFFSETS, ELBOWS, AND TRANSITIONS IN DUCTWORK WHERE NECESSARY, WHETHER OR NOT SHOWN.
C. USE WEIGHTS, BRACING, JOINTS, AND ALL DETAILS IN ACCORDANCE WITH SMACNA. RECTANGULAR DUCTS OVER 12 INCHES WIDE SHALL BE CROSS BROKEN EXCEPT WHERE DUCTWORK IS TO BE INSULATED.
E. MAKE INTERIOR OF DUCT SMOOTH AND JOINTS AIR TIGHT. WHERE NECESSARY TO ENSURE TIGHTNESS, CAULK JOINTS. MAKE THE ENTIRE INSTALLATION RIGID WITH DUCTWORK FREE FROM RATTLES AND AIR NOISES WHEN IN OPERATION.
F. MAKE ELBOWS WITH INSIDE RADIUS EQUAL TO THE WIDTH OF THE DUCT EXCEPT WHERE OTHERWISE SPECIFIED OR NECESSITATED BY UNAVOIDABLE SPACE CONDITIONS. WHERE INSIDE RADIUS IS LESS THAN 3/4 (THREE FOURTHS) THE DUCT WIDTH, MULTIPLE TURNING VANES SHALL BE PROVIDED. PROVIDE SQUARE ELBOWS WITH TUTTLE AND BAILEY "DUCTURNS" OR BARBER COLEMAN "AIRTURNS".
G. INCLUDE ANGLE OF DIVERGENCE FOR ENLARGEMENT NOT TO EXCEED 15 DEGREES WHERE SPACE CONDITIONS PERMIT. INCLUDED ANGLE OF CONVERGENCE FOR CONTRACTING NOT TO EXCEED 30 DEGREES.
H. PROVIDE FLEXIBLE DUCT CONNECTIONS AT CONNECTION POINTS TO AC UNITS FOR BOTH SUPPLY AND RETURN DUCTS, EXHAUST FANS, AND AT OTHER LOCATIONS INDICATED ON THE DRAWINGS. FLEXIBLE CONNECTIONS ARE TO BE MADE WITH WOVEN CANVAS COLLARS NOT LESS THAN TWO INCHES (2") LONG. SECURE COLLARS TO THE DUCT AND FAN CONNECTIONS BY GALVANIZED CHANNELS. PROVIDE A BRAIDED COPPER BRIDGE STRAP ACROSS FLEXIBLE CONNECTIONS. PROVIDE FLEXIBLE CONNECTIONS AT CONNECTION TO EACH FAN.
I. SUPPLY BARBER-COLEMAN CO. "DEFLECTROLS", OR TUTTLE AND BAILEY, "SANITROLS" WITH ALL DIFFUSERS, REGISTERS AND WHERE OTHERWISE INDICATED.
K. ALL TAPS INTO MAIN DUCT FOR BRANCH LINES SHALL BE MADE WITH SPIN-IN FITTINGS WITH DAMPERS. SPIN-IN FITTINGS SHALL BE METALAIR MBSD.
II. INSULATED FLEXIBLE DUCT
A. INSULATED FLEXIBLE DUCT MAY BE USED IN MAXIMUM LENGTHS OF 5'-0" PER BRANCH RUN. THE BALANCE OF THE RUN SHALL BE HARD PIPE WITH 1" INSULATED SLEEVE. FLEXIBLE DUCT SHALL BE OWENS CORNING NL25.

- III. MANUAL DAMPERS
A. PROVIDE MANUAL LOUVER DAMPERS WHERE SHOWN ON THE PLANS AND WHERE NECESSARY FOR THE PROPER REGULATION OF THE AIR HANDLING SYSTEM, AND SO LOCATE AS TO BE ACCESSIBLE AFTER THE BUILDING IS COMPLETED, I.E., BY REMOVING A MARKED TILE. ACCESS PANEL OR OTHER APPROVED METHOD. DAMPERS SHALL BE AIR BALANCE NO. AC116.
B. WHERE LOUVER DAMPERS OR SPLITTER DAMPERS ARE LOCATED IN CONCEALED CUTS, PROVIDE WITH MODEL 301, 302, 900, 901, OR 914 OPERATORS, AS REQUIRED. MANUFACTURER: YOUNG REGULATOR COMPANY.
C. FOR ALL OTHER MANUAL DAMPERS, PROVIDE A HAND LEVER WITH A QUADRANT AND SET SCREW. PROVIDE BEARINGS AT BOTH ENDS OF THE SHAFT. CLEARLY MARK ALL DAMPER OPERATORS TO INDICATE "OPEN" AND "CLOSED" POSITIONS.
D. INSTALL NFPA APPROVED AND U.L. LABELED FIRE DAMPERS IN ALL LOCATIONS INDICATED OR REQUIRED BY LOCAL AND OTHER ORDINANCES AND CODES AND REQUIREMENTS. APPROVAL OF OWNER FOR ACCESS DOOR LOCATION REQUIRED.

- IV. BOLTS, INSERTS, SLEEVES AND ESCUTCHEONS
A. INSTALL SLEEVES WHERE PIPES PASS THROUGH WALLS, COLUMNS, BEAMS, OR FLOORS. SLEEVES: GALVANIZED STEEL OR WROUGHT IRON PIPE. CUT SLEEVES PASSING THROUGH WALLS AND FLOORS ABOVE GRADE FLUSH WITH THE WALL. INSTALL SLEEVES OF SUFFICIENT DIAMETER TO ALLOW FOR EXPANSION AND CONTRACTION AND PIPE COVERING.
B. PROVIDE NICKLE-PLATED CAST IRON ESCUTCHEONS WHERE PIPES PASS THROUGH FLOORS, CEILINGS OR WALLS IN FINISHED AREAS.

- V. MOTORS
A. MOTORS FOR ALL EQUIPMENT COVERED BY THESE SPECIFICATIONS SHALL BE INSTALLED BY THIS CONTRACTOR. WHERE OVERSIZE MOTORS ARE SPECIFIED, THIS CONTRACTOR SHALL INCLUDE THE COST OF INSTALLING THE OVERSIZE MOTOR KITS.
B. OPEN FRAME MOTORS SHALL BE RATED ON A 40 DEGREES C TEMPERATURE RISE BASIS. TOTALLY ENCLOSED MOTORS SHALL BE RATED ON A 55 DEGREES C TEMPERATURE RISE BASIS. THE LOAD TO WHICH EACH MOTOR IS CONNECTED SHALL NOT CAUSE THE MOTOR RUNNING CURRENT TO EXCEED THE NAMEPLATE AMPERAGE.
C. MOTORS: INDUCTION TYPE OF DESIGN SUITED TO THE SERVICE FOR WHICH THEY ARE USED UNLESS OTHERWISE SPECIFIED.
D. WINDINGS: PROVIDE COPPER WINDINGS IN ALL MOTORS.

- VI. INSULATION
A. INSULATE ALL SUPPLY AND RETURN AIR DUCTS WITH 1 1/2" OWENS-CORNING FIBERGLASS ALL SERVICE FACED DUCT WRAP. APPLY PER MANUFACTURER'S RECOMMENDATIONS. ALL INSULATION SHALL BE R-6 OR GREATER.

- VII. GRILLES, REGISTERS AND DIFFUSERS
A. ALL SUPPLY DIFFUSERS, AND RETURN GRILLES SHALL BE AS SCHEDULED ON DRAWINGS, WITH OFF-WHITE BAKED ON ENAMEL FINISH.
B. CONTRACTOR SHALL INSULATE BACKS OF ALL SUPPLY DIFFUSERS.

- VIII. EXHAUST FANS:
A. CEILING-MOUNTED VENTILATORS
1. HOUSING: STEEL, LINED WITH ACOUSTICAL INSULATION.
2. FAN WHEEL: CENTRIFUGAL WHEELS DIRECTLY MOUNTED ON MOTOR SHAFT. FAN SHROUDS, MOTOR, AND FAN WHEEL REMOVABLE FOR SERVICE.
3. BACK-DRAFT DAMPER: INTEGRAL.
4. GRILLE: PLASTIC LOUVER GRILLE WITH FLANGE ON INTAKE AND THUMBSCREW OR SPRING RETAINER ATTACHMENT TO FAN HOUSING.
5. ELECTRICAL REQUIREMENTS: JUNCTION BOX FOR ELECTRICAL CONNECTION ON HOUSING AND RECEPTACLE FOR MOTOR PLUG-IN.
6. ACCESSORIES:
A. VARIABLE-FREQUENCY MOTOR CONTROLLER: SOLID-STATE CONTROL TO REDUCE SPEED FROM 100 TO LESS THAN 50 PERCENT.
B. ISOLATION: RUBBER-IN-SHEAR VIBRATION ISOLATORS.
C. MANUFACTURER'S STANDARD ROOF-JACK OR WALL CAP, AND TRANSITION FITTINGS.

- IX. SPLIT SYSTEM AC UNITS:
A. INDOOR UNITS (5 TONS OR LESS)
1. WALL-MOUNTED, EVAPORATOR-FAN COMPONENTS:
A. CABINET: ENAMELED STEEL WITH REMOVABLE PANELS ON FRONT AND ENDS IN MANUFACTURER'S STANDARD COLOR, AND DISCHARGE DRAIN PANS WITH DRAIN CONNECTION.
B. REFRIGERANT COIL: COPPER TUBE, WITH MECHANICALLY BONDED ALUMINUM FINS AND THERMAL-EXPANSION VALVE. COMPLY WITH ARI 206/110.
C. FAN: DIRECT DRIVE, CENTRIFUGAL.
D. FAN MOTORS:
1. COMPLY WITH NEMA DESIGNATION, TEMPERATURE RATING, SERVICE FACTOR, ENCLOSURE TYPE, AND EFFICIENCY REQUIREMENTS.
2. MULTISPEED WITH INTERNAL THERMAL PROTECTION AND PERMANENT LUBRICATION.
3. ENCLOSURE TYPE: TOTALLY ENCLOSED, FAN COOLED.
4. CONTROLLERS, ELECTRICAL DEVICES, AND WIRING: COMPLY WITH REQUIREMENTS FOR ELECTRICAL DEVICES AND CONNECTIONS SPECIFIED IN ELECTRICAL SECTIONS.
5. AIRSTREAM SURFACES: SURFACES IN CONTACT WITH THE AIRSTREAM SHALL COMPLY WITH REQUIREMENTS IN ASHRAE 62.1.
6. CONDENSATE DRAIN PANS:
A. FABRICATED WITH TWO PERCENT SLOPE IN AT LEAST TWO PLANES TO COLLECT CONDENSATE FROM COOLING COILS (INCLUDING COIL PIPING CONNECTIONS, COIL HEADERS, AND RETURN BENDS) AND HUMIDIFIERS, AND TO DIRECT WATER TOWARD DRAIN CONNECTION.
B. DRAIN CONNECTION: LOCATED AT LOWEST POINT OF PAN AND SIZED TO PREVENT OVERFLOW. TERMINATE WITH THREADED NIPPLE ON BOTH ENDS OF PAN.
1) MINIMUM CONNECTION SIZE: NPS 1.
7. AIR FILTRATION SECTION:
A. PROVIDE WITH MANUFACTURER'S STANDARD FILTRATION.
B. OUTDOOR UNITS (5 TONS OR LESS)
1. AIR-COOLED, COMPRESSOR-CONDENSER COMPONENTS:
A. CASING: STEEL, FINISHED WITH BAKED ENAMEL IN COLOR SELECTED BY ARCHITECT. WITH REMOVABLE PANELS FOR ACCESS TO CONTROLS, WEEP HOLES FOR WATER DRAINAGE, AND MOUNTING HOLES IN BASE. PROVIDE BRASS SERVICE VALVES, FITTINGS, AND GAGE PORTS ON EXTERIOR OF CASING.
B. COMPRESSOR: HERMETICALLY SEALED WITH CRANKCASE HEATER AND MOUNTED ON VIBRATION ISOLATION DEVICE. COMPRESSOR MOTOR SHALL HAVE THERMAL- AND CURRENT-SENSITIVE OVERLOAD DEVICES, START CAPACITOR, RELAY, AND CONTACTOR.
1. COMPRESSOR TYPE: VARIABLE SPEED, INVERTER DRIVEN
2. REFRIGERANT: R-410A.
3. REFRIGERANT COIL: COPPER TUBE, WITH MECHANICALLY BONDED ALUMINUM FINS AND LIQUID SUBCOOLER. COMPLY WITH ARI 206/110.
C. FAN: ALUMINUM-PROPELLER TYPE, DIRECTLY CONNECTED TO MOTOR.
D. MOTOR: PERMANENTLY LUBRICATED, WITH INTEGRAL THERMAL-OVERLOAD PROTECTION.
E. LOW AMBIENT KIT: PERMITS OPERATION DOWN TO 45 DEG F.
C. ACCESSORIES
1. THERMOSTAT: WIRELESS INFRARED FUNCTIONING TO REMOTELY CONTROL COMPRESSOR AND EVAPORATOR FAN, WITH THE FOLLOWING FEATURES:
A. COMPRESSOR TIME DELAY.
B. 24-HOUR TIME CONTROL OF SYSTEM STOP AND START.
C. LIQUID-CRYSTAL DISPLAY INDICATING TEMPERATURE, SET-POINT TEMPERATURE, TIME SETTING, OPERATING MODE, AND FAN SPEED.
D. FAN-SPEED SELECTION INCLUDING AUTO SETTING.
2. AUTOMATIC-RESET TIMER TO PREVENT RAPID CYCLING OF COMPRESSOR.
3. REFRIGERANT LINE KITS: SOFT-ANNEALED COPPER SUCTION AND LIQUID LINES FACTORY CLEANED, DRIED, PRESSURIZED, AND SEALED; FACTORY-INSULATED SUCTION LINE WITH FLARED FITTINGS AT BOTH ENDS.
4. DRAIN HOSE: FOR CONDENSATE.

- X. MANUFACTURERS
A. MANUFACTURERS LISTED SHALL BE CONSIDERED AS ACCEPTABLE.
1. EXHAUST FANS:
A. GREENHECK
B. LOREN COOK COMPANY
C. PENN VENTILATION
2. GRILLES, REGISTERS, AND DIFFUSERS:
A. PRICE INDUSTRIES
B. TITUS
C. NAILOR INDUSTRIES, INC.
3. SPLIT SYSTEM AC UNITS:
A. FUJITSU
B. MITSUBISHI
C. DAIKIN

- PART 3 - EXECUTION
I. SUPERVISION OF ELECTRICAL WORK
A. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR SUPERVISION OF ALL WIRING (INCLUDING CONTROL WIRING) OF EQUIPMENT INCLUDED IN THIS SECTION AND SHALL FURNISH ALL NECESSARY DIAGRAMS REQUIRED, INCLUDING CONTROL WIRING DIAGRAMS. THIS CONTRACTOR SHALL MOUNT OR SUPERVISE MOUNTING OF ALL CONTROL DEVICES.

- II. PAINTING
A. EXCEPT AS SPECIFIED HEREIN, ALL PAINTING WILL BE DONE BY OTHERS. LEAVE WORK FREE FROM RUST, DIRT, GREASE AND PLASTER.
B. EQUIPMENT WITH A FACTORY APPLIED FINISH SHALL HAVE SCRATCHES, CHIPS, ETC. PRIMED AND TOUCHED UP WITH MATERIALS WHICH WILL PROTECT THE SURFACE AND MATCH THE ADJACENT AREAS.
C. INTERIOR OF SHEET METAL DUCT WHICH IS VISIBLE THROUGH REGISTERS OR GRILLES SHALL BE PAINTED FLAT BLACK BY THIS CONTRACTOR.

- III. CLEANING AND ADJUSTMENTS.
A. UPON COMPLETION OF WORK, CLEAN, OIL AND GREASE ALL FANS, MOTORS, OTHER RUNNING EQUIPMENT AND APPARATUS AND MAKE CERTAIN THAT ALL SUCH APPARATUS AND MECHANISMS ARE IN PROPER WORKING ORDER AND MADE READY FOR TEST.

- IV. IDENTIFICATION
A. FURNISH AND INSTALL NAMEPLATES ON ALL HVAC EQUIPMENT PROVIDED BY OWNER AND CONTRACTOR. NAMEPLATES SHALL BE MADE FROM WHITE ENGRAVING STOCK WITH BLACK LETTERS AND BLACK FOUR EDGE BEVEL. WORDING SHALL DESCRIBE ITEMS USING SAME DESIGNATION AS THE ELECTRICAL PANEL SCHEDULE. AND NAMEPLATES SHALL BE ATTACHED USING PROPER SIZE AND TYPE STAINLESS-STEEL BOLTS OR SELF-DRILLING SCREWS.
B. GLUE-ON, TAPE-ON OR TAPE TYPE NAMEPLATES ARE NOT ACCEPTABLE.

- V. TEST AND BALANCE
A. PERFORM TESTING AND BALANCING PROCEDURES ON EACH SYSTEM.
B. CUT INSULATION AND DUCTS FOR INSTALLATION OF TEST PROBES TO THE MINIMUM EXTENT NECESSARY TO ALLOW ADEQUATE PERFORMANCE OF PROCEDURES AFTER TESTING AND BALANCING. CLOSE PROBE HOLES AND PATCH INSULATION WITH NEW MATERIALS IDENTICAL TO THOSE REMOVED. RESTORE VAPOR BARRIER AND FINISH ACCORDING TO THE INSULATION SPECIFICATIONS FOR THIS PROJECT.
C. MARK EQUIPMENT SETTINGS WITH PAINT OR OTHER SUITABLE, PERMANENT IDENTIFICATION MATERIAL, INCLUDING DAMPER CONTROL POSITIONS, VALVE INDICATORS, FAN-SPEED-CONTROL LEVERS, AND SIMILAR CONTROLS AND DEVICES TO SHOW FINAL SETTINGS.
D. MAKE ANY CHANGES IN THE PULLEYS, BELTS AND TAMPERS AS REQUIRED FOR CORRECT BALANCE AS RECOMMENDED BY THE TEST AND BALANCE AGENCY AT NO ADDITIONAL COST TO THE OWNER.
E. TAB REPORTS: SUBMIT TESTING, ADJUSTING, AND BALANCING REPORTS. THE REPORTS SHALL BE CERTIFIED PROOF THAT THE SYSTEM HAS BEEN TESTED, ADJUSTED AND BALANCED; ARE ACCURATE REPRESENTATION OF HOW THE SYSTEM HAS BEEN INSTALLED; ARE A TRUE REPRESENTATION HOW THE SYSTEMS ARE OPERATING AT THE COMPLETION OF THE TESTING, ADJUSTING, AND BALANCING PROCEDURES; AND ARE AN ACCURATE RECORD OF ALL FINAL QUANTITIES MEASURED, TO ESTABLISH NOMINAL OPERATING VALUES OF THE SYSTEMS.



Table with columns: NO., BY, DATE, DESCRIPTION

BMH DANVILLE CLINIC - SHELL FITOUT
BOONE MEMORIAL HEALTH
304 4TH ST., DANVILLE, WV
JUNE 30TH, 2023
CONSTRUCTION DOCUMENTS

DRAWN: TTG DATE: 06/30/2023
CHECKED: TTG DATE: 06/30/2023
APPROVED: KES DATE: 06/30/2023

PROJECT No. 160-11089

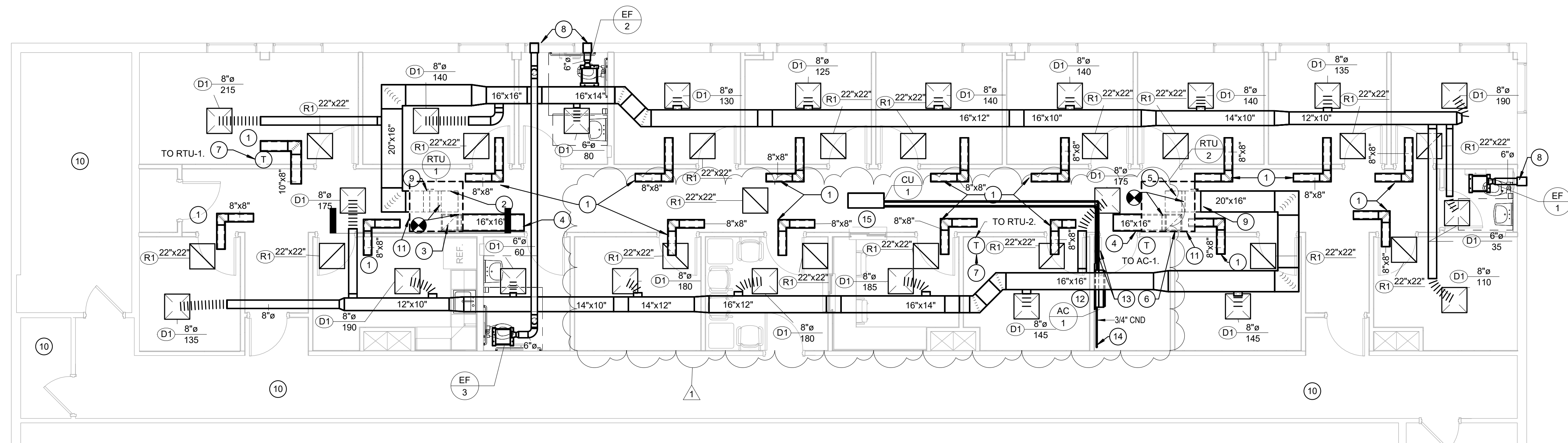
SPECIFICATIONS

SHEET No.

M1.02



SECOND FLOOR MECHANICAL NEW WORK PLAN KEYNOTES	
NOTE #	DESCRIPTION
1	TRANSFER AIR DUCT WITH 1" SOUND LINING.
2	EXISTING 16" x 20" SUPPLY DUCT UP TO EXISTING RTU-1.
3	EXISTING 16" x 16" RETURN DUCT UP TO EXISTING RTU-1.
4	RETURN AIR DUCT WITH 1" SOUND LINING.
5	EXISTING 16" x 20" SUPPLY DUCT UP TO EXISTING RTU-2.
6	EXISTING 16" x 16" RETURN DUCT UP TO EXISTING RTU-2.
7	PROVIDE PROGRAMMABLE THERMOSTAT THAT IS COMPATIBLE WITH EXISTING RTU.
8	WALL CAP.
9	BALANCING DAMPER.
10	NO WORK IN THIS AREA.
11	EXISTING RTU ON ROOF.
12	MOUNT BOTTOM OF AC UNIT AT 7'-6".
13	REFRIGERANT PIPING SIZED PER MANUFACTURER'S RECOMMENDATION, UP TO ROOF TO CU-1.
14	ROUTE 3/4" CONDENSATE DOWN TO HUB DRAIN AND TERMINATE WITH AIR GAP.
15	CU-1 LOCATED ON ROOF.



SECOND FLOOR MECHANICAL PLAN -  
NEW WORK  
3/16" = 1'-0"

NO.	BY	DATE	DESCRIPTION
1		07/31/2023	Academium #1

**BMH DANVILLE CLINIC - SHELL  
FITOUT**  
BOONE MEMORIAL HEALTH  
304 4TH ST., DANVILLE, WV  
JUNE 30TH, 2023  
CONSTRUCTION DOCUMENTS

DRAWN: TTG DATE: 06/30/2023  
CHECKED: TTG DATE: 06/30/2023  
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PROJECT No. 160-11089

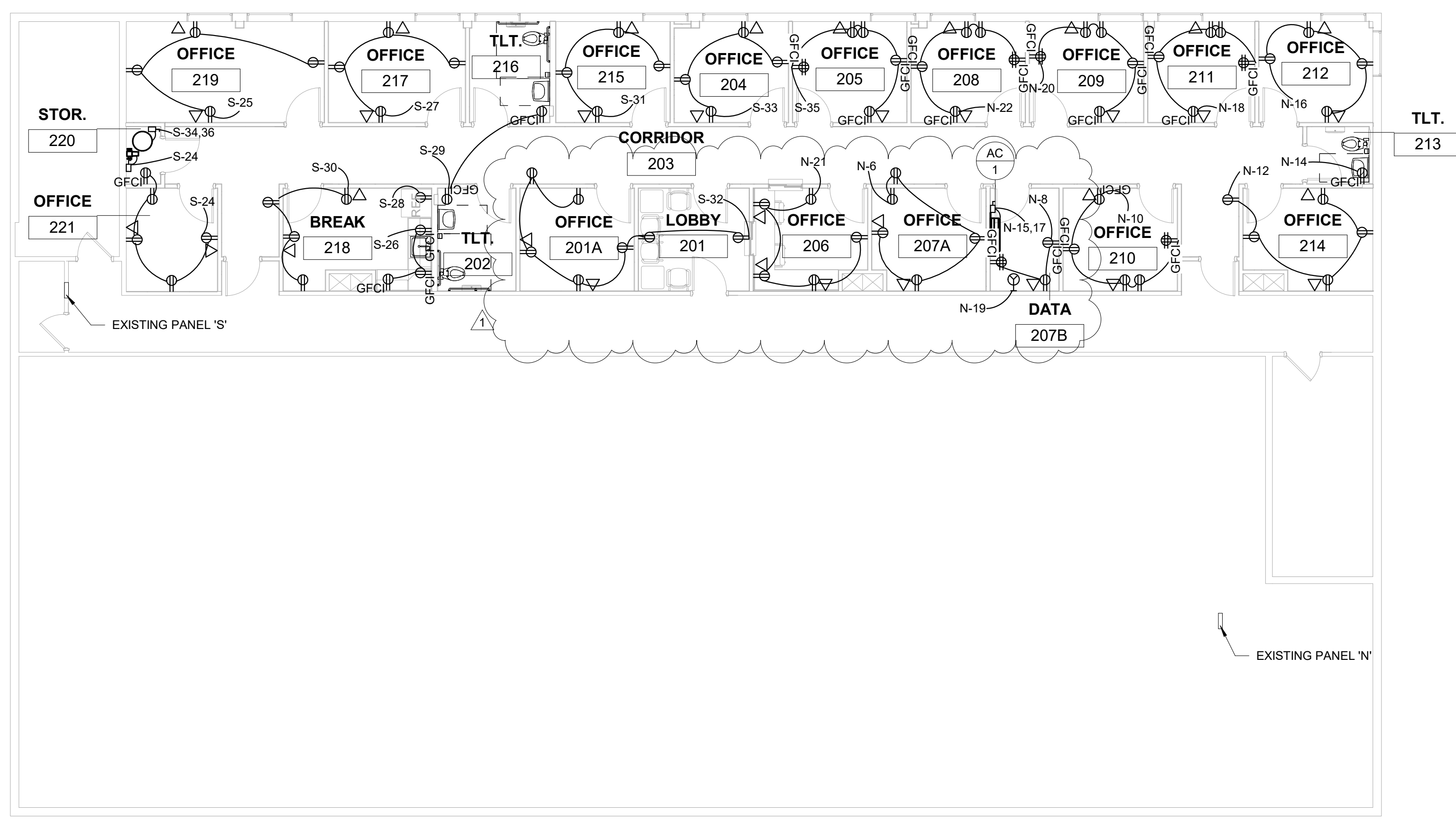
SECOND FLOOR  
MECHANICAL PLAN -  
NEW WORK  
SHEET No.

**M3.01**

USER: AGC

PLOT DATE/TIME: 8/22/2023 10:05:01 AM

LAYOUT TAB: SECOND FLOOR POWER PLAN - NEW WORK  
CAD FILE: C:\Users\agc\Documents\BMH\BMEC\_MEP\_R23\_original\_detailed\_annotated.rvt



SECOND FLOOR POWER PLAN - NEW WORK  
1/8" = 1'-0"

**GENERAL POWER NOTES:**

1. RTU-1 WILL BE POWERED FROM CIRCUITS S-37,39 AND HAVE A 2 POLE, 240V, 60A, NEMA 3R DISCONNECT.
2. RTU-2 WILL BE POWERED FROM CIRCUITS N-2,4 AND HAVE A 2 POLE, 240V, 60A, NEMA 3R DISCONNECT.
3. CONTRACTOR SHALL SUPPLY AND INSTALL 1" CONDUIT WITH 3-#6 WIRES AND 1-#6 GROUND FOR EACH RTU. EACH RTU HAS EXISTING FLEXIBLE CONDUIT INSTALLED FROM IT'S DISCONNECT DOWN THROUGH THE ROOF AND ENDING IN THE CEILING DIRECTLY UNDER THE RTU. THE CONTRACTOR SHALL INSTALL A JUNCTION BOX IN THE CEILING TO CONNECT THE EXISTING FLEXIBLE CONDUIT TO THE NEW EMT CONDUIT. NEW WIRES SHALL BE INSTALLED FROM THE ASSOCIATED PANEL TO THE RTU DISCONNECT.
4. CONFIRM ALL OUTLET INSTALLATION HEIGHTS WITH OWNER PRIOR TO CONSTRUCTION.

**THRASHER**  
600 WHITE OAKS BLVD.  
P.O. BOX 940  
BRIDGEPORT, WV 26330  
P (304) 624-4108  
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www.thrashergroup.com

KENNETH E. SMITH  
REGISTERED PROFESSIONAL ENGINEER  
STATE OF WEST VIRGINIA  
011672  
6/30/2023

NO.	BY	DATE	DESCRIPTION
1		07/31/2023	As per RFI #1

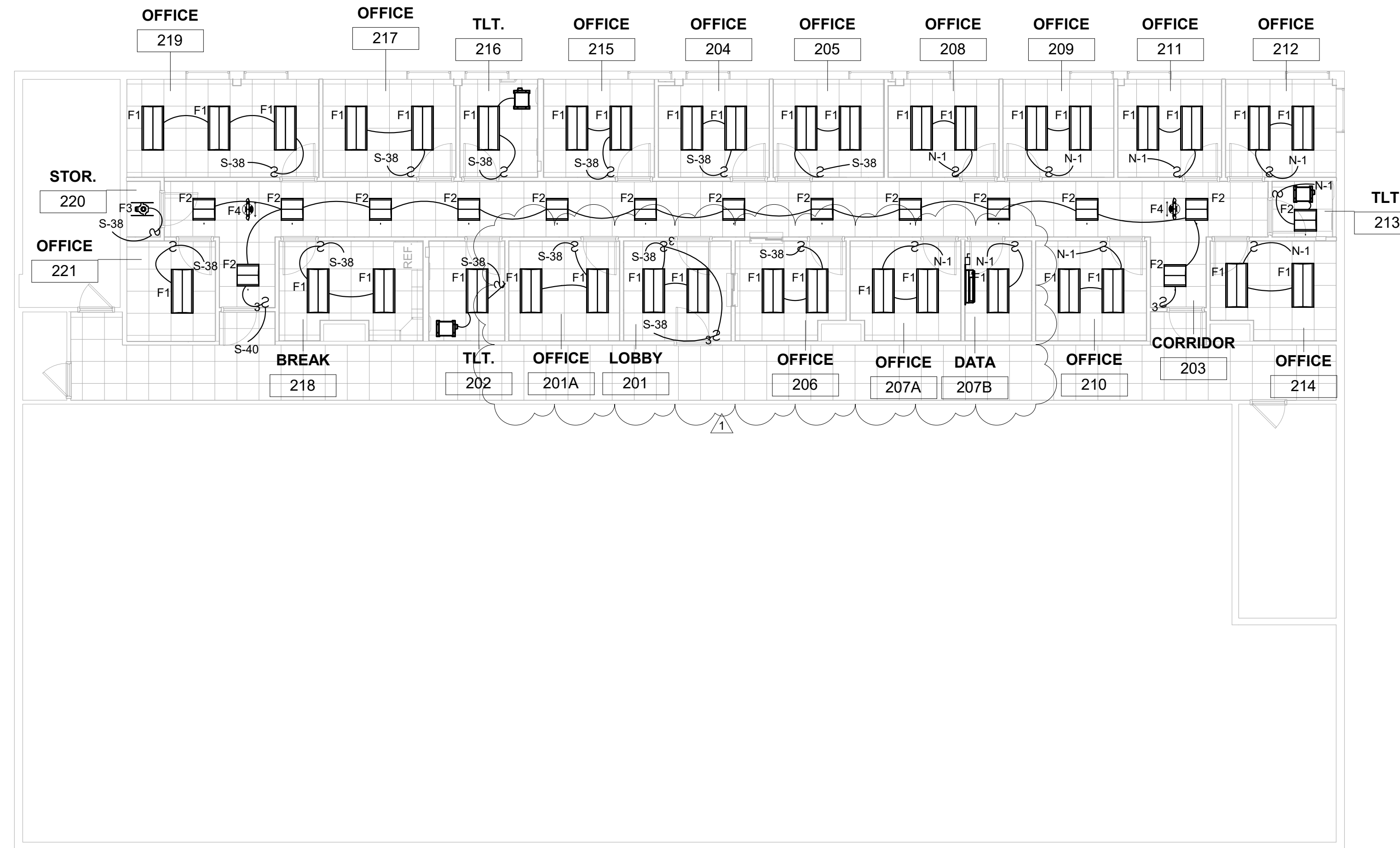
**BMH DANVILLE CLINIC - SHELL FITOUT**  
BOONE MEMORIAL HEALTH  
304 4TH ST., DANVILLE, WV  
JUNE 30TH, 2023  
CONSTRUCTION DOCUMENTS

DRAWN: AGC DATE: 06/30/2023  
CHECKED: TTG DATE: 06/30/2023  
APPROVED: TTG DATE: 06/30/2023

PROJECT No. T60-11089

SECOND FLOOR POWER PLAN - NEW WORK  
SHEET No.

**E2.00**

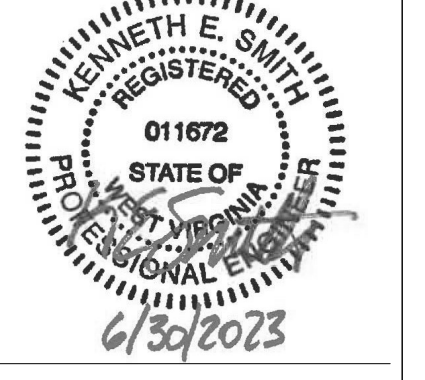


SECOND FLOOR LIGHTING PLAN - NEW WORK  
 1/8" = 1'-0"

GENERAL LIGHTING NOTES:

1. RESTROOM EXHAUST FANS SHALL BE POWERED FROM THE ASSOCIATED RESTROOM LIGHTING SWITCH.
2. ALL EXIT LIGHTS SHALL BE POWERED FROM CIRCUIT S-40.

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 600 WHITE OAKS BLVD.  
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NO.	BY	DATE	DESCRIPTION
1		07/31/2023	Addendum #1

**BMH DANVILLE CLINIC - SHELL FITOUT**  
 BOONE MEMORIAL HEALTH  
 304 4TH ST., DANVILLE, WV  
 JUNE 30TH, 2023  
 CONSTRUCTION DOCUMENTS

DRAWN: AGC DATE: 06/30/2023  
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 APPROVED: TTG DATE: 06/30/2023

PROJECT No. T60-11089

SECOND FLOOR LIGHTING PLAN - NEW WORK  
 SHEET No.

**E3.00**



LAYOUT TAB: PANEL SCHEDULES  
CAD FILE: C:\Users\agc\Documents\BIM\BEC\_MEP\_R20\_original\_detailed\_jmorank.vit

USER: AGC

AGC

Panel: N (EXISTING)		NEMA-3R										NEMA-4X Stainless Steel																			
X		NEMA-1										NEMA-3R																			
Location: LEVEL 2, NORTH OFFICE																															
208/120		Volts,					3					Phase,					4							Wire							
Main Lug Only										X												Main Breaker									
Bus Rating:										Amps					Main Breaker:					200					Amps						
Minimum Interrupting Capacity:										22,000												Amps Sym.									
X										Flush Mount												Surface Mount									
Provide if checked:											Isolated Ground Bus											Gutter Taps									
X										Equipment Ground Bus												Sub-Feed Lugs									
Serving	Load (Watts)	Cond. Size 2	Wire Size 1	C/B Trip Amps	Cir. No.	Key Notes	A	B	C	Key Notes	Cir. No.	C/B Trip Amps	Wire Size 1	Cond. Size 2	Load (Watts)	Serving															
TV REC				1P/20	40	11	X			11	39	1P/20				BR LTS															
WAITING ROOM REC				1P/20	38	11		X		11	37	1P/20				LTS															
EXAM REC				1P/20	36	11			X	11	35	1P/20																			
OFFICE REC				1P/20	34	11	X			11	33	1P/20				LTS															
EXAM REC				1P/20	32	11		X		11	31	1P/20				LTS															
AC UNIT				2P/50	30	11			X	11	29	1P/20				REC															
				1P/20	28	11	X			11	27	1P/20				MICROWAVE REC															
OUTSIDE SIGN				1P/20	26	11		X		11	25	1P/20				LUNGH RM REC															
OUTSIDE SIGN				1P/20	24	11			X	11	23	1P/20				HOT WATER TANK															
OFFICE 208 REC	1080			1P/20	22		X			21	1P/20					OFFICE 206 REC															
OFFICE 209 REC	1080			1P/20	20			X		5	1P/30					DATA REC															
OFFICE 211 REC	1080			1P/20	18				X	17						DATA SPLIT SYSTEM AC-1															
OFFICE 212 REC	720			1P/20	16		X			15	2P/25	#10	3/4	1144		SPACE															
TLT. 213 REC	180			1P/20	14			X		5	13					SPACE															
OFFICE 214 REC	900			1P/20	12			X		5	11					SPACE															
OFFICE 210 REC	1080			1P/20	10		X			5	9					SPACE															
OFFICE 207 REC	1080			1P/20	8			X		5	7					SPACE															
REGISTRATION 206 REC	1260			1P/20	6			X		5	5					SPACE															
EXISTING RTU #2	4440	1"	#6	2P/60	4		X			5	3					SPACE															
	4440				2			X		5	1					LIGHTS-OFFICE, EXAMS															
Total Load-Odd Circuit (Watts)	17340	1. All wire size #12 AWG minimum except as noted.										9. Breaker lock-on clip										2288	Total Load-Even Circuit (Watts)								
Total Load-Panel (Watts)	19628	2. All conduit size 3/4 inch minimum except as noted.										10. Tamper-resistant outlets										54.5	Total Connected Full Load Amps								
		3. Ground fault interrupting circuit breaker.										11. Existing building equipment										68.2	Total Derated Connected Full Load Amps								
		4. Spare circuit breaker.																													
		5. Space only.																													
		6. Shunt-trip circuit breaker.																													
		7. Arc-fault circuit breaker.																													
		8. Solenoid operated circuit breaker.																													

Panel: S (EXISTING)		NEMA-3R										NEMA-4X Stainless Steel																			
X		NEMA-1										NEMA-3R																			
Location: LEVEL 2, SOUTH ELECT CLOSET																															
208/120		Volts,					3					Phase,					4							Wire							
Main Lug Only										X												Main Breaker									
Bus Rating:										Amps					Main Breaker:					200					Amps						
Minimum Interrupting Capacity:										22,000												Amps Sym.									
X										Flush Mount												Surface Mount									
Provide if checked:											Isolated Ground Bus											Gutter Taps									
X										Equipment Ground Bus												Sub-Feed Lugs									
Serving	Load (Watts)	Cond. Size 2	Wire Size 1	C/B Trip Amps	Cir. No.	Key Notes	A	B	C	Key Notes	Cir. No.	C/B Trip Amps	Wire Size 1	Cond. Size 2	Load (Watts)	Serving															
				1P/20	1	11	X			11	2	1P/20																			
				1P/20	3	11		X		11	4	1P/20																			
				1P/20	5	11			X	11	6	1P/20																			
				1P/20	7	11	X			11	8	1P/20																			
				1P/20	9	11		X		11	10	1P/20																			
				1P/20	11	11			X	11	12	1P/20																			
				1P/20	13	11	X			11	14	1P/20																			
				1P/20	15	11		X		11	16	1P/20																			
				1P/20	17	11			X	11	18	1P/20																			
				2P/50	19	11	X			11	20	1P/20																			
					21	11		X		11	22	1P/20																			
				1P/20	23	11			X	24	1P/20	#12		1200		CIR. PUMP & TEST OUTLETS															
OFFICE 219 OUTLETS	900			1P/20	25		X			26	1P/20	#12		1500		BREAK RM - MICROWAVE															
OFFICE 217 OUTLETS	900			1P/20	27			X		28	1P/20	#12		750		BREAK RM - REF															
TLT 216 & 202 - OUTLETS	360			1P/20	29				X	30	1P/20	#12		900		BREAK RM - OUTLETS															
OFFICE 215 OUTLETS	720			1P/20	31		X			32	1P/20	#12		720		WAITING 201 OUTLETS															
OFFICE 204 OUTLETS	720			1P/20	33			X		34				2250		WATER HEATER															
OFFICE 205 OUTLETS	1080			1P/20	35				X	36	2P/30	#10		2250																	
EXISTING RTU #1	4440	1"	#6	2P/60	37		X			38	1P/20	#12		1500		LIGHTS-OFFICE, EXAM, BRK															
	4440				39			X		40	1P/20	#12		1500		HALLWAY LIGHTING															
Total Load-Odd Circuit (Watts)	13560	1. All wire size #12 AWG minimum except as noted.										9. Breaker lock-on clip										12570	Total Load-Even Circuit (Watts)								
Total Load-Panel (Watts)	26130	2. All conduit size 3/4 inch minimum except as noted.										10. Tamper-resistant outlets										72.6	Total Connected Full Load Amps								
		3. Ground fault interrupting circuit breaker.										11. Existing circuits were not labeled										90.8	Total Derated Connected Full Load Amps								
		4. Spare circuit breaker.																													
		5. Space only.																													
		6. Shunt-trip circuit breaker.																													
		7. Arc-fault circuit breaker.																													
		8. Solenoid operated circuit breaker.																													

1 07/31/2023 Addendum #1

NO.	BY	DATE	DESCRIPTION
1		07/31/2023	Addendum #1

**BMH DANVILLE CLINIC - SHELL FITOUT**  
BOONE MEMORIAL HEALTH  
304 4TH ST., DANVILLE, WV  
JUNE 30TH, 2023  
CONSTRUCTION DOCUMENTS

DRAWN: AGC DATE: 06/30/2023  
CHECKED: TTG DATE: 06/30/2023  
APPROVED: TTG DATE: 06/30/2023

PROJECT No. 160-11089

PANEL SCHEDULES

SHEET No.

**E5.00**