Moody Nolan

Addendum

Project	The Falls on Refugee Road	**Addendum Number**	2
Project Number	23446	**Date**	06/27/2025
To	All Bidders		

This addendum contains changes to the requirements of the bidding Documents, Project Manual and Construction Drawings which have been issued to date. Such changes are to be incorporated into the Construction Documents and shall apply to the work in the same meaning and force as if they had been included in the original documents. Wherever this Addendum modifies a portion of a paragraph of the Project Manual or a portion of any Drawing, the remainder of the paragraph or Drawing shall remain in force.

General:

1. Pre bid sign in sheet is attached to this Addendum. See attachments.

Specifications

i) 00 01 10 – TABLE OF CONTENTS
Updated as described below.

ii) 05 70 00 – DECORATIVE METALS
Section added to project manual.

iii) 10 14 19 – DIMENSIONAL LETTER SIGNAGE
Section removed from project manual.

Drawings

1) G001 - DRAWING INDEX
   i) Added sheet G150, A350A, A350B, A350C, A350D, A351, A423, A444,
   ii) Deleted Sheet A931
   r
2) G100A – BUILDING A LIFE SAFETY
   i) Relocated attic access panels
3) G100B – BUILDING B LIFE SAFETY
   i) Relocated attic access panels
4) G100C – BUILDING C LIFE SAFETY
   i) Relocated attic access panels
5) G150 – SIGNAGE SCHEDULE
   i) Sheet added to set
6) G200 – BUILDING ASSEMBLIES SCHEDULE
   i) Deleted demountable glass system schedule
7) G400A – BULDING A – GROSS AREA
   i) Revised areas for sprinkler rm
8) G400B – BULDING B – GROSS AREA
   i) Revised areas for sprinkler rm
9) A106D- CLUBHOUSE - FLOOR & ROOF PLANS
   i) Added Coded note 13

ii) Added demountable glass partition to the fitness area
iii) Adjusted sizes of column enclosures in fitness rm
iv) Add plumbing chases to fitness rm and leasing

10) A201A – BUILDING A LEVEL 01 & 02 RCP
i) Added rated gyp ceiling G2 to sprinkler rm
ii) Removed vinyl soffit at breezeway

11) A202A – BUILDING A LEVEL 03
i) Relocated attic access panel
ii) Revised breezeway ceiling to vinyl soffit
iii) Added dimensions to balcony vinyl soffit

12) A203B – BUILDING B LEVEL 01 & 02 RCP
i) Added rated gyp ceiling G2 to sprinkler rm
ii) Removed vinyl soffit at breezeway

13) A204B – BUILDING B LEVEL 03
i) Relocated attic access panel
ii) Revised breezeway ceiling to vinyl soffit
iii) Added dimensions to balcony vinyl soffit

14) A205C – BUILDING A LEVEL 01, 02 & 03 RCP
i) Added rated gyp ceiling G2 to sprinkler rm
ii) Removed vinyl soffit at level 01/02 breezeway
iii) Relocated attic access panel
iv) Revised level 03 breezeway ceiling to vinyl soffit
v) Added dimensions to level 03 balcony vinyl soffit

15) A206D - CLUBHOUSE - LEVEL 01 & 02 RCP
i) Updated ceiling and lights at leasing, restroom and corridor areas.
ii) Added information regarding opening height in clubroom opening.
iii) Revised fitness room ceiling for increased column enclosure

16) A310A – BUILDING A ELEVATIONS
i) Revised note for alternate to direct to A350

17) A310B – BUILDING B ELEVATIONS
i) Revised note for alternate to direct to A350

18) A310C – BUILDING C ELEVATIONS
i) Revised note for alternate to direct to A350

19) A310D – CLUBHOUSE ELEVATIONS
i) Revised note for alternate to direct to A350

20) A350A – ALTERNATE BUILDING A ELEVATIONS
i) Added sheet to set

21) A350B – ALTERNATE BUILDING B ELEVATIONS
    i) Added sheet to set

22) A350C – ALTERNATE BUILDING C ELEVATIONS
    i) Added sheet to set

23) A350D – ALTERNATE CLUBHOUSE ELEVATIONS
    i) Added sheet to set

24) A351 – ALTERNATE DETAILS
    i) Added sheet to set

25) A422 – WALL SECTIONS – CLUBHOUSE
    i) Updated keynote for simulated wood trim in detail #2

26) A423 – WALL SECTIONS – CLUBHOUSE
    i) Added the sheet and detail.

27) A440 - EXTERIOR DETAILS – SECTION
    i) Updated detail key notes as clouded.

28) A441 - EXTERIOR DETAILS – SECTION
    i) Updated detail key notes as clouded.

29) A442 - EXTERIOR DETAILS
    i) Updated detail key notes as clouded.

30) A443 - EXTERIOR DETAILS
    i) Updated detail key notes as clouded.
    ii) Added detail as clouded.

31) A444 – EXTERIOR DETAILS
    i) Added sheet to set

32) A502 – ENLARGED UNIT PLANS - 2 BED
    i) Kitchen island shifted as clouded.

33) A509 - ENLARGED UNIT PLANS – CLUBHOUSE
    i) Kitchen island shifted as clouded.

34) A513 - ENLARGED PLANS, ELEVATIONS & CASEWORK DETAILS – CLUBHOUSE
    i) Added demountable glass in Elevation 5.

35) A610 – STAIR & RAILING DETAILS
    i) Removed vinyl soffit below joists

36) A700 – DOOR & WINDOW SCHEDULE
    i) Revised hardware sets as clouded

	37) A800A - FINISH SCHEDULE/LEGEND i) Counters- Quartz – Added 3 cm and countertops. ii) ST-1 – Added Kitchen unit countertops. iii) ST-2 – Added lavatory / vanity (Unit bath) countertops. iv) Deleted rynone cultured marble vanity top. 38) A825D – INTERIOR DETAILS – CLUBHOUSE i) Sheet added to set
Other	Refer to attached Addendum descriptions and attachments provided by Korda Engineering (Site/Civil), Prater Engineering (MEP), Jezerinac Geers (Structural) and EDGE (Landscape).
Attachments	Specifications: : 00 01 10; 05 70 00 Prebid sign in sheet Drawings: G001, A106D, A206D, A422, A423, A440, A441, A442, A443, A502, A309, A503, A800A. Refer to items listed under "Other" above.
RFI's	1. Sheet TS1 (Original Survey) is referenced on the drawing sheets listed above; however, sheet TS1 is not included in the drawings provided. *Response: Topographic survey will be included in a future Addendum.* 2. Drawing E401-Detail Apartment Telecom Wiring Diagram says that the Cat 6 cable and the RG6 Coaxial from the flush enclosure in apartment to the telephone outlets in the apartment unit is by the electrical contractor. Specification Section 270528 1.01.C, states all low voltage cabling, outlet jacks and associated equipment will be installed by others, unless noted otherwise, during construction prior to closure of walls and ceilings. Is there communication cabling required by the electrical contractor for this project? Please clarify the scope of work in all buildings required by the electrical contractor, which may include data outlets in the clubhouse and phone lines to sprinkler monitoring panels. Also, please provide 27 00 00 specifications for any and all work required. *Response: The Electrical Contractor will provide cat6 wiring to the data outlets in the apartment. The detail on sheet E401 has been updated to exclude RG6 Cable. Data outlets in the clubhouse will have one cat6 cable that will terminate at the telecom backboard in the electrical room.* 3. Will telecom outlets be required in each of the apartment bedrooms? None are shown in apartment enlarged unit electrical plans at this time, but typically see this included in these types of projects. Please advise. *Response: Yes, there will be 1 telecom outlet in each bedroom, and two in each living room, one of which will be for the wireless router at 72".*

4. Hardware manufacturers listed in the specifications call for Sargent mortise locks, Von Duprin or Sargent exit devices and LCN closers. Again, we usually see grade 2 commercial hardware for common areas and residential grade hardware for the unit interiors.

   Response: Price Grade 1 hardware as indicated.

5. Grading Plans Missing Elevations

   Response: Addressed in addendum #2.

6. Please confirm is a performance bond is required. If required, will they be phased based on initial early release award and the full contract amount at time of the GMP execution. For clarity, the contractor will only be required to bond the contract amount being issued at each phase, opposed to the anticipated budget from the time of award?

   Response: Performance bond is not required.

7. Please confirming anticipated timing of the executed GMP and or Notice to Proceed with the GMP work.

   Response: Anticipated execution of GMP to be prior to NTP. Per RFP Page 1, NTP expected to be sometime November 2025.

8. Please confirm the 18 months Construction Schedule is based on the Notice to Proceed with the overall GMP.

   Response: Confirmed. NTP to follow executed GMP finalized with awarded GC.

9. Please confirm the entitlements have been completed or will be completed by the Owner. If Contractor responsibility, please clarify the intended scope of work.

   Response: No entitlements will be done by the General Contractor.

10. Please confirm if the drawings have been submitted for permit and/or what the anticipated timeframe is to receive permit.

    Response: Documents have not been submitted for permit at this time. It is anticipated that permits will be submitted in late August 2025.

11. Please provide a project specific copy of the Census Docs 500 Contract Form.

    Response: Will be distributed with future addendum.

12. During the Pre-Proposal conference it was noted that AEP is still working to locate the transformer, please provide anticipated location.

    Response: Transformer locations will be provided in the future Addendum.

13. Please confirm if the North and South Detention center have to be installed as part of the temporary stormwater management during the actual construction.

    Response: They are part of SWPPP as indicated on the Erosion Control Plans.

14. Please verify Zip-Wall can be installed at the exterior ILO Tyvek.

    Response: The zip wall system has the air barrier incorporated into it with taped joints per the manufacturer's guidelines. The manufactured stone areas call out an additional water resistive drainage mat over the zip system.

15. Foundation Note #2 on S101-A states to "Replace Weakened Soil with lean concrete or Flowable Fill". Does CMHA want to carry an allowance for this, provided the weakened soil is not caused by the contractor?

    Response: No allowance.

16. Refer to details 4 and 5 on S300 (as example); can Contractor install the concrete footer and stem wall monolithically?

    Response: YES

17. Specification 051200 references Structural Steel but there are no members shown on the drawings, please clarify if required and provide updated drawings details if so.

    Response: There is no structural steel in this project and the specification section can be removed.

18. Please confirm Owner is providing Commissioning Agent, 3rd Party Material Inspections and 3rd Party Building Code Inspections.

    Response: CMHA will hire a third party firm to provide construction material testing and inspection services required by the City of Columbus. It is our understanding that commissioning is not required for dwelling units.

19. Sheet A202A shows Wood Grain pattern at Balcony Ceiling that does not correlate to the Legend, please confirm WD4 Wood Ceiling finish at these location. Same for A204B, A205C.

    Response: Wood grain pattern has been revised. Balcony ceiling revised to a vinyl system

20. Please confirm what Plastic Fabrications (066000) are; refer to details 1, 2, 4, 6 and 12 on sheet A441 for an example of this.

    Response: This item is the simulated wood trim 06 65 00 rather than the 06 60 00 noted. Addressed in Addendum #2.

21. Please confirm gypcrete is required, no details provided?

    Response: Gypcrete shall not be a part of the construction documents. Please notify the design team of a location gypcrete was referenced.

22. Confirm if Davis-Bacon wage scale is required and what Act governs.

    Response: Answered in Addendum #1. Davis Bacon not applicable.

23. Confirm if MBE + FBE requirements are needed

    Response: Requirements for MBE or Section 3 participation are only Goals. GC is to provide good faith effort to help CMHA meet goals.

24. Please clarify the extent of felled trees to be removed as well as underbrush. Will this be done prior to us coming to the site or is the clearing and removal of felled trees our responsibility?

    Response: Contractor is responsible for the removal of felled trees.

25. While trying to piece together the 5 match line sections of the grading/storm plans, I notice a slight problem. Sheet 4/24 is the overall site grading / storm plan. Sheet 6/24 is the upper right section and sheet 8/24 is the lower right section. Neither of these 2 sheets align with the overall plan, sheet 4/24, yet they do align with the sections immediately to their left respectively. Sheet 6/24 aligns with 5/24 and sheet 8/24 aligns with 7/24.

    Please clarify how to align the sheets. If a cad file is available, that would be the best solution

    Response: This was responded as part of Addendum #1. CAD file was provided as part of Addendum #1.

26. There has been reference made to an existing site survey, sheet TS-1. I do not see it within the drawings posted. Please provide the existing site survey if possible. Thank you

    Response: Existing survey to be provided in a future Addendum.

27. The fixture schedule calls out for a P2 and P3, but there is no fixture shown on the lighting schedule. Please advise as to what fixture to use, or if I should carry a specific allowance for that type.

Response: Fixtures P2 and P3 have been added to the fixture schedule and will be provided in the next addendum.

28. Floor details showing only one floor type at the moment. The Drawings have one for LVP1 but no other ones. They all say TBD. Please clarify

    Response: This was addressed as part of Addendum #1.

29. Please clarify the shingle and impact rating. I see lots of bids that specs out the premium shingles and Class IV rating, but they were looking at the everyday shingles.

    Response: Basis of design is "Dimensional". Substitutions will be considered.

30. Please confirm Owner will be responsible for the cost of all incoming utility permanent services or indicate an allowance amount to carry in the proposal.

    Response: All costs will be paid or reimbursed by the Owner. CMHA is working on this and will establish Allowances in final addendum

31. Are there any allowances CMHA wants the contractor to carry in the GMP?

    Response: CMHA is working on this and will establish Allowances in final addendum.

32. There is a ADA Interior Sign TYPE Drawing A931 but I do not see a schedule. Sometimes not all types are relevant as well. Also, there is a Sign Type P denoting plaque, but no info is given if applicable.

    Response: See legend on G150. Signage location and types are indicated on Life safety plans.

33. There is a Spec, Section 101419 for Cast Aluminum Letters. Where are they shown?

    Response: Not in the project currently. Specs updated in addendum #2.

34. The details for the railings are incomplete, please confirm if the railings for the Stair Structures and Apartment Balconies are to be Carbon Steel or Aluminum. Detail 10/A610 appears to depict aluminum railings, and the Pool railings are to be Aluminum by Ameristar, but there are no details showing steel sizes for the Railings on A610.
    What is the required finish for the railings?

    Response: A610 updated in Addendum #2 to indicate railing materials. Refer to specification Section 05 70 00 issued with this Addendum #2 for additional information. Apartment balconies will have aluminum railings – Series 9P Picket Railing.

35. It's not clear if the Keso or Primus cylinder cores are required. Can you please verify if we still need those or if we can use a standard Yale SFIC core?

	Response: Approved Alternates of SFIC can be used in lieu of specified cores if approval through substitution request is utilized during bidding. *36.* Is Patterson Pools the contractor we have to use for the pool install? *Response: No. The specification is written to allow for other pool contractors to be able to bid. Patterson Pools will be submitting the pool permit to ODH.* 37. On FP drawings FP101A, FP103-B & FP105-C show 2 risers for each Building. One for the 1st level and one for levels 2 & 3. Can we have just one riser for the entire Building? This will save material for the added riser and added main piping. The branchline piping will still rise up in the walls but using sidewalls throughout the entire building or stacks. *Response: One riser per building is acceptable. The drawings have been updated and included in Addendum #2. The sprinkler layout design is the responsibility of the Fire Protection Contractor. The Architect shall approve the general locations of the sprinkler heads. Sprinkler supply riser piping shall not be located in exterior or breezeway wall structures.* 38. The FP plans also show dropping down underground twice and rising back up twice to avoid crossing the breezeways. Can there be two insulated enclosures above the 1st floor ceilings where the piping will cross to protect the wet piping in those areas? *Response: Insulated enclosures at the ceiling are not acceptable.* 39. Do you know where I can get a list of General Contractors that might be bidding so I can get them my quote? *Response: Sign in sheet is attached in Addendum #2.* 40. There is a Spec Section 101419 for Dimensional Lettering. Could not find any. Are there any? *Response: Not in the project currently. Specs updated in addendum #2.*

ADDENDUM NO. 2

Owner: Columbus Metropolitan Housing Authority

Project: The Falls on Refugee Road
3355 Refugee Road
Columbus, OH 43232

AUTOCAD

1. CAD base with proposed contours.

DRAWINGS

1. SHEET C204 – OVERALL STORM SEWER & GRADING PLAN
    A. **ADD** general note 19**.**

2. SHEET C205 – STORM SEWER & GRADING PLAN
    A. **REVISE** proposed contours**.**
    B. **ADD** spot grades and multileaders for detailed grading.
    C. **ADD** downspouts and roof drains with associated cleanouts.

3. SHEET C206 – STORM SEWER & GRADING PLAN
    A. **REVISE** proposed contours**.**
    B. **ADD** spot grades and multileaders for detailed grading.
    C. **ADD** downspouts and roof drains with associated cleanouts.

4. SHEET C207 – STORM SEWER & GRADING PLAN
    A. **REVISE** proposed contours**.**
    B. **ADD** spot grades and multileaders for detailed grading.
    C. **ADD** downspouts and roof drains with associated cleanouts.

5. SHEET C208 – STORM SEWER & GRADING PLAN
    - **A. REVISE** proposed contours**.**
    - **B. ADD** spot grades and multileaders for detailed grading.
    - **C. ADD** downspouts and roof drains with associated cleanouts.

6. SHEET C209 – STORM SEWER & GRADING PLAN
    - **A. REVISE** proposed contours**.**
    - **B. ADD** spot grades and multileaders for detailed grading.
    - **C. ADD** downspouts and roof drains with associated cleanouts.

7. SHEET C210 – STORM SEWER DETAILS
    - A. **REVISE** detail G, drain basin.
    - B. **REVISE** detail A, Outlet Control Structure 11.
    - C. **REVISE** detail B, Outlet Control Structure 5.

8. SHEET C211 – STORM SEWER DETAILS
    - A. **REVISE** detail A, Outlet Control Structure 1.
    - B. **REVISE** detail B, South Basin elevations.

9. SHEET C214 – STORM SEWER PROFILES
    - A. **ADD** roof drain inverts to structure 6, 16, and 19 in profile.

10. SHEET C215 – STORM SEWER PROFILES
    - A. **ADD** roof drain inverts to structures 20, 29, 30, and 31 in profile.

11. SHEET C216 – STORM SEWER PROFILES
    - A. **ADD** roof drain inverts to structures 32, 41, and 45 in profile.
    - B. **ADD** compacted fill area per item 203.

11. SHEET C217 – OVERALL EROSION AND SEDIMENT CONTROL PLAN
    - A. **REVISE** construction entrance and concrete washout location.

12. SHEET C218 – EROSION AND SEDIMENT CONTROL PLAN
    A. **ADD** downspouts and roof drains with associated cleanouts.

13. SHEET C219 – EROSION AND SEDIMENT CONTROL PLAN
    A. **ADD** downspouts and roof drains with associated cleanouts.
    B. **REVISE** construction entrance and concrete washout location.

14. SHEET C220 – EROSION AND SEDIMENT CONTROL PLAN
    A. **ADD** downspouts and roof drains with associated cleanouts
    B. **REVISE** construction entrance and concrete washout location.

15. SHEET C221 – EROSION AND SEDIMENT CONTROL PLAN
    A. **ADD** downspouts and roof drains with associated cleanouts.
    B. **REVISE** construction entrance and concrete washout location.

16. SHEET C222 – EROSION AND SEDIMENT CONTROL PLAN
    A. **ADD** downspouts and roof drains with associated cleanouts
    B. **REVISE** construction entrance and concrete washout location.

17. SHEET C305 – SANITARY PROFILES
    A. **ADD** anti infiltration barrier between sanitary and storm sewer crossings.
    B. **ADD** roof drain crossings.

18. SHEET C306 – SANITARY DETAILS
    A. **ADD** detail A, Anti-Infiltration & Inflow Barrier.

19. SHEET C407 – WATER SERVICE PLAN & PROFILE
    A. **ADD** 4” domestic water line profile
    B. **ADD** roof drain crossings.

20. SHEET C408 – UTILITY NOTES & DETAILS
    A. **REVISE** sheet number**.**

21. SHEET C409 – UTILITY DETAILS
    A. **REVISE** sheet number**.**

22. SHEET C410 – WATER SERVICE PLAN & PROFILE
    A. **ADD** roof drain crossings.
    B. **REVISE** sheet number**.**

23. SHEET C411 – WATER SERVICE PLAN & PROFILE
    A. **ADD** roof drain crossings.
    B. **REVISE** sheet number**.**

24. SHEET C412 – WATER SERVICE PLAN & PROFILE
    A. **REVISE** sheet number**.**

Addendum 2

Date	June 24, 2025
Project Title	The Falls on Refugee Road
To	All Plan Holders
Purpose	Modify the Construction Documents
Distribution	

This Addendum supplements and amends the original Plans and Specifications and shall be taken into account in preparing proposals and shall become a part of the contract documents.

DRAWING REVISIONS:

1. L1.01 - LANDSCAPE PLAN - OVERALL SITE
    a. Add sign location along Refugee with associated landscaping. Quantities specified on L1.02.
    b. Updated entry drive revision along Refugee. Adjust seed coverage amount.

2. L1.02 - LANDSCAPE PLAN - NORTH
    a. Add sign location along Refugee with associated landscaping.
    b. Updated entry drive revision along Refugee. Adjust seed coverage amount.
    c. Adjusted plant layout and quantities for transformer locations.

3. L1.03 - LANDSCAPE PLAN - SOUTH
    a. Adjusted plant layout and quantities for transformer locations.

4. L1.04 - LANDSCAPE DETAILS
    a. Adjusted plant quantities on plant schedule.

5. L1.05 - SITE DETAILS
    a. Added monument sign detail #7. Detail provided for design intent only as noted.

SPECIFICATION REVISIONS:

No changes

Jezerinac Geers
Structural Engineering

CMHA Refugee Road June 25, 2025

JGA Project 24.35.061

Addendum 2 Narrative

Refer to the attached updated sheets and descriptions below.

S101-A, S103-B, S105-C, S107-D, S109-G – Foundation Plan (Buildings A, B, C, D, G1 & G2)

1) Updated footing schedule.

S102-A, S104-B, S106-C – Roof Framing Plan (Buildings A, B & C)

1) Updated roof framing notes.

S107-D – 2nd Floor Framing Plan (Building D)

1) Revised west stairs.
2) Added the stair landing framing plan for west stairs.
3) Updated the wood beam schedule.
4) Added details 1&2/S311 for west stairs.

S109-G – Foundation Plan (Garage G1/G2)

1) Revised detail 11 to include 11A and 11B. Updated detail 11 to reflect concrete curb in the garages. Revised detail to include 11A and 11B.

S300 – Foundation Details

1) Updated detail 11 to reflect concrete curb in the garages. Revised detail to include 11A and 11B.

S311 – Framing Details

1) Added sheet.
2) Added details 1&2/S311.

End of Narrative.

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Refugee Rd Addendum 2 Narrative

Electrical

1. E100 – Electrical site plan
    a. Corrected coded notes.
    b. Labeled Garages.
    c. Added lighting bollard detail.
    d. Revised quazite box size for future ev chargers.
    e. Revised lighting control note.
    f. Added ground mounted floodlight detail.
    g. Added floodlight for exterior signs.
    h. Transformer location moved.
    i. Ev charger detail note revised.
2. E101 – Electrical Clubhouse Plan
    a. Added receptacle near pool per NEC 680.22 requirement.
3. E101-A, E102-A, E103-B, E104-B, E105-C, E106-C – Overall building plans
    a. Added unit tags.
    b. Added a lighting contactor in equipment room for breezeway lighting and exterior lighting.
    c. Adjusted coded notes.
4. E107-D – Clubhouse
    a. Added unit tags.
    b. Added a lighting contactor in mechanical room.
    c. Adjusted note for OAF connection.
    d. Changed hardwired RCP-1 to a receptacle.
    e. Moved location of exit sign and switches for community room.
    f. Moved receptacle and lighting in new restroom.
    g. Added receptacle and data outlet for copiers.
    h. Removed data outlet in conference room.
    i. Telecom backboard added to electrical room.
5. E108 – Garages
    a. Corrected fixtures from W4's to W3's.
6. E200, E201, E202 – Electrical Unit plans
    a. Added general note for dishwashers.
    b. Added switch and power for kitchen exhaust fans.
7. E300, E301 – Electrical One-line Diagrams

a. Adjusted grounding and wire sizes.
b. Added fuses to clubhouse service disconnect.
c. Revised one-line for single transformers for each building.

8. E302 – Electrical schedules
    a. Panel schedules updated per addendum changes.
9. E400 – Electrical details
    a. Added fixture FL1.
10. E401 – Electrical details
    a. Edited apartment telecom wiring diagram.
    b. Added exterior lighting control diagram.
    c. Added clubhouse exterior lighting control diagram.
    d. Removed sprinkler control panel detail.
    e. Added telecom backboard ground bar detail.

HVAC

1. H100 – HVAC site plan
    a. Revised outdoor unit layout at the clubhouse.
2. H101-A – Building A – Level 01 & 02
    a. Updated outdoor unit tags to include alternate orientation of building A.
    b. Updated indoor unit tags to include alternate orientation of building A.
3. H102-A – Building A – Level 03
    a. Updated indoor unit tags to include alternate orientation of building A.
4. H103-B – Building B – Level 01 & 02
    a. Updated outdoor unit AH tags.
    b. Updated indoor unit AH tags.
5. H104-B – Building B Level 03
    a. Updated indoor unit AH tags.
6. H105-C – Building C – Level 01 & 02
    a. Updated outdoor unit AH tags.
    b. Updated indoor unit AH tags.
7. H106-C – Building C Level 03
    a. Updated indoor unit tags.
8. H107-D – Building D Level 01 & 02
    a. Updated outdoor unit tags.
    b. Updated indoor unit tags on level 02.
    c. Added coded notes for refrigerant piping.
    d. Revised duct size for duct above the restrooms.
    e. Revised duct size above fitness center.
    f. Revised duct size for branch duct serving D106 Marketing.
    g. Added duct sizes and revised return air device in D101 Lobby.
9. H-200 – Enlarged Unit HVAC Plans

a. Revised duct layouts for all enlarged units plans.
b. Added kitchen exhaust fans (EF-K).
c. Added coded note regarding dryer equivalent duct length label.

10. H-201 – Enlarged Unit HVAC Plans
    a. Revised duct layouts for all enlarged units plans.
    b. Added kitchen exhaust fans (EF-K).
    c. Removed coded notes 14 & 15.
11. H-202 – Enlarged Unit HVAC Plans
    a. Revised duct layouts for all enlarged units plans.
    b. Added kitchen exhaust fans (EF-K).
    c. Removed coded notes 14 & 15.
12. H-300 – HVAC Schedules
    a. Updated information for Split System Heat Pump Schedule.
    b. Removed notes from HVAC Notes.
    c. Added missing Equipment Notes regarding intake/exhaust terminals and destratification fan in building D gallery.
    d. Removed air device type C from Air Terminal Schedule.
    e. Updated dryer equivalent lengths in the Dryer Equivalent Lengths Calculations.
    f. Revised remarks for EF-K.
13. H-301 – HVAC Details
    a. Removed pipe curb detail.
    b. Removed dryer exhaust detail for top floor rough-in.
    c. Added outdoor unit/refrigeration piping detail.

Fire Protection

14. FP101-A – Building A Fire Protection Plans
    a. Revised fire protection layout for one system riser.
    b. Revised Coded Notes 6, 7, 8, & 9.
15. FP103-B – Building B Fire Protection Plans
    a. Revised fire protection layout for one system riser.
    b. Revised Coded Notes 6, 7, 8, & 9.
16. FP105-C – Building C Fire Protection Plans
    1. Revised fire protection layout for one system riser.
    2. Revised Coded Notes 9, 7, 8, & 9.
17. FP106-D – Building D Fire Protection Plans
    1. Revised Level 01 fire protection layout due to plan updates.
    2. Revised Coded Notes.
18. FP-201 – Fire Protection Enlarged Plans & Details

1. Revised Buildings A, B, & C Enlarged Sprinkler Riser Closet Plan for one system riser.
2. Revised Buildings A, B, & C Fire Water Service Riser Diagram for one system riser.
3. Revised Coded Note 4.

19. FP-301 – Fire Protection Notes, Schedules & Details
    a. Revised electric voltage for the Electric Alarm Bell.

Plumbing

20. P106-D – Building D Level 01 & 02 Plumbing Plans
    1. Revised Level 01 Plumbing Sanitary Plan due to plan updates.
21. P107-D
    a. Revised Level 01 Plumbing Supply Plan due to plan updates.
    b. Revised Enlarged Level 01 Plumbing Supply Plan due to plan updates.
    c. Revised Coded Note 26.
    d. Added Coded Notes 29 & 30.
22. P-301 – Plumbing Notes, Schedules & Legends
    1. Revised specifications for fixtures L1 & L2 in Plumbing Equipment Schedule.
    2. Revised specification for RCP-1 in Plumbing Equipment Schedule.
    3. Revised specification for BV-1 in Plumbing Equipment Schedule.
23. P-401 – Plumbing Details
    a. Revised EWH-2 Water Heater Piping Diagram.

COLUMBUS METROPOLITAN HOUSING AUTHORITY

Columbus Metropolitan Housing Authority
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CONSTRUCTION MANAGER AT RISK – THE FALLS
RFP PRE-SUBMISSION MEETING – SIGN-IN SHEET

Project:	The Falls	**Meeting Date:**	05/21/2025
Facilitator:	Mike Wagner	**Place/Room:**	880 E. 11th Ave. – Conf. 1B

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Appendix B Geotechnical Engineering Report (for reference)
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SECTION 05 70 00
DECORATIVE METALS

PART 1 GENERAL

1.01 WORK INCLUDED

A. Provide all miscellaneous ornamental metal items specified hereunder, including all design, materials, fabrication, fastenings and accessories required for finished installations, where indicated on drawings or otherwise necessary for completion of the project. Work includes, but is not limited to, the following:
   1. Decorative handrail and railing systems, both interior and exterior.

1.02 RELATED SECTIONS

A. Stair and Railing: Section 05 50 00.

B. Metal Fabrications: Section 05 50 00.

1.03 REFERENCE STANDARDS

A. ASTM B221 - Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes; 2021.

B. ASTM D2247 - Standard Practice for Testing Water Resistance of Coatings in 100 % Relative Humidity; 2015 (Reapproved 2020).

C. ASTM D3359 - Standard Test Methods for Rating Adhesion by Tape Test; 2023.

D. ASTM D3363 - Standard Test Method for Film Hardness by Pencil Test; 2022.

E. ASTM A167 - Stainless and Heat Resisting Chromium-Nickel Steel Plate, Sheet and Strip.

F. Aluminum Association
   1. Aluminum Standards and Data.
   2. Designation System for Aluminum Finishes.
      a. Standards for Anodic Finishes.

G. National Association of Architectural Metal Manufacturers.

H. American Institute of Steel Construction (AISC): "Manual of Steel Construction".

I. AWI: Architectural Woodwork Institute.
   1. Section 800: Stairwork and Handrails.
   2. NOMMA: National Ornamental and Miscellaneous Metals Association.

1.04 SUBMITTALS

A. Product Data: Manufacturer's literature may be submitted for standard proprietary products in lieu of shop drawings. Data to fully explain product indicating materials, sizes and finishes, and installation procedures.

B. Samples: Samples to be reviewed for color, texture and reflectivity and general appearance. Compliance with all other requirements is the responsibility of the Contractor.
   1. Finish: Submit for approval minimum 6" x 6" or 12" length of each required metal finish.
   2. Weld: Submit samples of welded joint showing quality of work. Samples to be of same form, alloy, temper and hardness to be used in the work.
   3. Sample: Submit a 2'-0" long sample of completed rail system.

C. Shop Drawings: Show details of fabrication and installation. Indicate materials, alloys and tempers, thicknesses of materials, gages, sizes, dimensions, methods of joining and fastening, welds, finishes, details of reinforcement and embedment, attachments, anchorages, miscellaneous metal items incidental to basic fabrication shown, provisions for work of other trades and other pertinent information as requested by the Architect.

D. Maintenance Instructions: Submit manufacturers'/fabricators' recommendations for maintenance of exposed finishes.

E. Certifications: Submit certifications that products comply with applicable design loadings. Include structural analysis data sealed and signed professional engineer responsible for their preparation.

F. Welder Certifications: Qualify welding process and welders in accordance AWS Codes referenced herein.
   1. Certify that each welder has successfully passed AWS qualification tests for the welding processing involved and, if pertinent, has undergone recertification.

1.05 QUALITY ASSURANCE

A. Fabricator Qualifications: Fabricator must have a minimum of 5 years experience and be regularly engaged in type of work specified. Must employ only skilled personnel using proper equipment to produce the work in high quality. Must be approved by Architect.

B. Installer Qualifications: Fabricator of products.

C. Single Source Responsibility: Stairs, handrails and railing systems shall be designed, fabricated and installed by the same source.

D. Engineering Responsibility: Stair engineering to be performed by a qualified professional engineer legally authorized to practice in the State of [Ohio], experienced in this type of work.

PART 2 PRODUCTS

2.01 MATERIALS

A. Provide materials which have been selected for their surface flatness, smoothness and freedom from surface blemishes where exposed to view in the finished unit. Exposed-to-view surfaces which exhibit pitting, seam marks, roller marks, "oil-canning", stains, discolorations or other imperfections on finished units will not be acceptable.

B. Aluminum - Material and Description: Provide as detailed or as required to maintain design intent as indicated on drawings. Aluminum extruded shapes and bent aluminum sheet, minimum 0.063", unless otherwise indicated or specified, finished after fabrication.
   1. Extruded Bar and Tube: ASTM B221 (ASTM B 221M), alloy 6061-T6/T62, Fy = 35 ksi.
   2. Extruded Structural Pipe and Tube: ASTM B221 , alloy 6061-T6/T62, Fy = 35 ksi.
   3. Plate and Sheet: ASTM B209/B209M, 6061-T6.

C. Fasteners: Provide fasteners of types as required for assembly and installation of fabricated items. In general, fasteners to be concealed from view. Exposed fasteners, where permitted or required, to conform to the following:
   1. Fasteners to be of basic metal and alloy, matching finished color and texture as metal being fastened, unless otherwise indicated.
   2. Provide Phillips flat head screw/bolts for exposed fasteners.

D. Miscellaneous Materials: Provide all incidental accessory materials, tools, methods and equipment required for fabrication and installation of metal items as indicated on drawings, and not furnished by other sections.

2.02 FABRICATION

A. Preliminary: Verify dimensions prior to fabrication.

B. Forming: Form metal items to accurate sizes and configurations as indicated on drawings and otherwise required for proper installation. Make with all lines straight and angles sharp, clean and true. Drill, countersink, tap and otherwise prepare items for connections with work of other trades as required.

C. Fasteners: Make permanent connections with work of other trades, as required. Avoid using exposed bolts or screws unless specifically indicated or approved.

D. Joints: Construct items with joints milled to a tight, hairline fit. Cope or miter corner joints. Where exposed to weather, form to exclude water.

E. Welding: Comply with AWS for recommended practices in shop welding.
   1. Provide welds behind finished surfaces without distortion or discoloration of exposed side.

2. Clean exposed welded joints of all welding flux and dress on all exposed and contact surfaces to match adjacent surfaces.
3. Where welding cannot be concealed behind finished surfaces, finish joints to comply with NOMMA's "Voluntary Joint Finish Standards" Guideline #1, Joint Finish #1; no evidence of a welded joint.

F. Cut, reinforce, drill and tap miscellaneous metal as indicated to receive hardware, screws, and similar items. Countersunk screw holes to set screw heads flush, unless indicated otherwise.

2.03 ASSEMBLIES

A. Aluminum Railings
1. Basis of Design: Multi-Family Housing Railing, Columns and Fence products by SUPERIOR ALUMINUM PRODUCTS.
2. Design to meet NAAMM standards and requirements of applicable codes, but not less than 200 lbs. applied at any point in any direction.
3. Shop fabricated with minimum field splicing allowed.
   a. All construction welded per AWS.
   b. Welds, where shown, to be continuous. Grind and add weld as required to provide uniform and smooth transition between pieces. Buff, polish and blend as required to match finish of railing.
4. Quality of Welds: NOMMA Guideline #1, Joint Finish #1.
5. Finish: As specified under Shop Finish herein.

2.04 SHOP FINISHES

A. Protect mechanical finishes on exposed surfaces from damage by application of strippable, temporary protective covering prior to shipment.

B. Appearance of Finished Work: Variations in appearance of abutting or adjacent pieces are not acceptable if they are noticeable variations in the same piece. Variations in appearance of other components are acceptable, subject to Architect's approval.

C. Aluminum Surfaces
1. Shop paint aluminum surfaces with baked-on organic polymer thermosetting powder coating applied over conversion coating.
2. Finish Coating Properties
   a. Hardness: H or better in accordance with ASTM D3363.
   b. Crosshatch Adhesion: In accordance with ASTM D3359.
   c. Salt Spray Resistance: 1,000 hours, tested in accordance with ASTM D117.
   d. Humidity Resistance: 1,000 hours tested in accordance with ASTM D2247.
   e. Detergent Immersion: 1,000 hours tested in accordance with ASTM D2248.
3. Colors: As selected by Architect.

PART 3 EXECUTION

3.01 INSTALLATION

A. Set stair, handrail and railing work accurately as measured from established building lines and levels, plumb and in true alignment with previously completed work. Brace temporarily or anchor securely in formwork where work is to be built into concrete, masonry or similar construction.

B. Anchor securely in place in the manner shown, using concealed anchorage wherever possible.

C. Fit mechanical joints together accurately to form tight joints and uniform reveals and spaces for joint fillers and sealants. Restore any finishes that have been damaged by shipment and installation.

D. Do not cut or abrade finishes which cannot be completely restored in the field, including special finishes. Return units with special finishes that cannot be field restored to the shop for required alterations, followed by complete refinishing.

E. Remove protective coverings when there is no longer any danger of damage to the railing work from other work yet to be performed in the same location. Restore protective coverings which have been removed or damaged during shipment or installation of the work, if such other work is yet to be performed.

END OF SECTION 05 70 00

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ABBREVIATIONS

SYMBOLS

&	AND
L	ANGLE
@	AT
#	NUMBER / POUND
℄	CENTERLINE
℄	PROPERTY LINE

A

AB	ANCHOR BOLT
ABV	ABOVE
AC	AIR CONDITIONING / AIR CONDITIONER
ACC	ACCESSIBLE
ACOUS	ACOUSTICAL
ACT	ACOUSTIC CEILING TILE
AD	AREA DRAIN
ADJ	ADJACENT / ADJUSTABLE
AFC	ABOVE FINISH CEILING
AFF	ABOVE FINISH FLOOR
AGGR	AGGREGATE
ALUM	ALUMINUM
ALT	ALTERNATE
AP	ACCESS PANEL
APPD	APPROVED
APPROX	APPROXIMATE
APT	APARTMENT
ARCH	ARCHITECT / ARCHITECTURAL
ASB	ASBESTOS
ASPH	ASPHALT
AV	AUDIO VISUAL

B

BC	BOTTOM OF CURB
BD	BOARD
BET	BETWEEN
BIT	BITUMINOUS
BLDG	BUILDING
BLKG	BLOCKING
BM	BEAM / BENCHMARK
BOS	BOTTOM OF STEEL
BOT	BOTTOM
BRG	BEARING
BSMT	BASEMENT
BUR	BUILT UP ROOF

C

CAB	CABINET
CB	CATCH BASIN
CEM	CEMENT
CFM	COLD FORMED METAL / CUBIC FEET PER MINUTE
CIP	CAST IN PLACE
CI	CURB INLET
CJ	CONTROL JOINT
CL	CENTERLINE
CLG	CEILING
CLOS	CLOSET
CLR	CLEAR
CM	CONSTRUCTION MANAGER
CMU	CONCRETE MASONRY UNIT
CNSK	COUNTERSUNK
CO	CLEANOUT
COL	COLUMN
CONC	CONCRETE
CONN	CONNECTION
CONST	CONSTRUCTION
CONT	CONTINUOUS / CONTINUE
CONTR	CONTRACTOR
CORR	CORRIDOR / CORRUGATED
CPT	CARPET
CRS	COURSE
CT	CERAMIC TILE
CTR	CENTER
CW	COLD WATER

D

DBL	DOUBLE
DEMO	DEMOLISH
DEPT	DEPARTMENT
DET	DETAIL
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DIM	DIMENSION
DISP	DISPENSER
DIV	DIVISION
DL	DEAD LOAD
DN	DOWN
DO	DOOR OPENING
DS	DOWNSPOUT
DW	DISHWASHER
DWG	DRAWING

E

E	EAST
EA	EACH
EC	ELECTRICAL CONTRACTOR
EF	EXHAUST FAN / EACH FACE
EIFS	EXTERIOR INSULATION FINISH SYSTEM
EJ	EXPANSION JOINT
EL	ELEVATION (ABOVE GRADE)
ELECT	ELECTRICAL
ELEV	ELEVATION (BUILDING ELEVATION)
ELV	ELEVATOR
EMER	EMERGENCY
ENCL	ENCLOSURE
EP	ELECTRICAL PANEL / EDGE OF PAVEMENT
EQ	EQUAL
EQUIP	EQUIPMENT
EST	ESTIMATE
EW	EACH WAY
EWC	ELECTRIC WATER COOLER
EXH	EXHAUST
EXP	EXPANSION
EXPO	EXPOSED
EXIST	EXISTING
EXT	EXTERIOR

F

FA	FIRE ALARM
FD	FLOOR DRAIN
FDN	FOUNDATION
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FF	FINISH FLOOR
FIN	FINISH OR FINISHED
FLR	FLOOR
FLG	FLASHING
FLUOR	FLUORESCENT
FO	FACE OF
FP	FIREPROOF
FRMG	FRAMING
FRP	FIBER REINFORCED PLASTIC
FRT	FIRE RETARDANT TREATED
FT	FOOT OR FEET
FTG	FOOTING
FURN	FURNACE
FURR	FURRING
FWC	FABRIC WALLCOVERING
FHC	FIRE HOSE CABINET

G

GA	GAGE / GAUGE
GALV	GALVANIZED
GB	GRAB BAR
GC	GENERAL CONTRACTOR
GEN	GENERAL
GFI	GROUND FAULT INTERRUPT
GFRC	GLASS FIBER REINFORCED CONCRETE
GFCMU	GROUND FACE CONCRETE MASONRY UNIT
GL	GLASS OR GLAZING
GND	GROUND
GYP	GYPSUM
GWB	GYPSUM WALLBOARD

H

H	HEIGHT / HIGH
HB	HOSE BIB
HC/HDCP	ACCESSIBLE
HOLW	HOLLOW
HDBD	HARDBOARD
HDO	HIGH DENSITY OVERLAY
HDR	HEADER
HDW	HARDWARE
HDWD	HARDWOOD
HGT	HEIGHT
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HR	HOUR / HANDRAIL
HTG	HEATING
HVAC	HEATING, VENTILATING, AIR CONDITIONING
HW	HOT WATER

I

ID	INSIDE DIAMETER
IN	INCH
INCL	INCLUDE
INSUL	INSULATION
INT	INTERIOR
INV	INVERT

J

JAN	JANITOR
JBOX	JUNCTION BOX
JST	JOIST
JT	JOINT

K

KIT	KITCHEN
KO	KNOCKOUT

L

L	LENGTH
LAB	LABORATORY
LAM	LAMINATE
LAV	LAVATORY
LF	LINEAR FOOT
LGTH	LENGTH
LH	LEFT HAND
LL	LIVE LOAD
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LT	LIGHT
LTG	LIGHTING

M

MAS	MASONRY
MAT	MATERIAL
MAX	MAXIMUM
MDF	MEDIUM DENSITY FIBERBOARD
MDO	MEDIUM DENSITY OVERLAY
MECH	MECHANICAL
MED	MEDIUM
MEMB	MEMBRANE
MEZZ	MEZZANINE
MFR	MANUFACTURER
MH	MANHOLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MO	MASONRY OPENING
MT	MARBLE TILE
MTD	MOUNTED
MTG	MOUNTING
MTL	METAL
MUL	MULLION

N

N	NORTH
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE

O

OA	OVERALL
OBS	OBSCURE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OFC	OFFICE
OH	OVERHEAD
OPNG	OPENING
OPP	OPPOSITE
OSB	ORIENTED STRAND BOARD

P

PC	PRE-CAST
PERF	PERFORATED
PL	PLATE / PROPERTY LINE
PLAM	PLASTIC LAMINATE
PLAS	PLASTIC
PLBG	PLUMBING
PLYWD	PLYWOOD
PNL	PANEL
PORC	PORCELAIN
POS	POINT OF SALE
PR	PAIR
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	PAINT / PRESSURE TREATED
PTD	PAINTED
PVC	POLYVINYL CHLORIDE
PVMT	PAVEMENT
PWR	POWER

Q

QT	QUARRY TILE
QTY	QUANTITY

R

R	RADIUS / RISER
RA	RETURN AIR
RB	RUBBER BASE
RD	ROOF DRAIN
REF	REFRIGERATOR / REFERENCE
REINF	REINFORCED
REQ'D	REQUIRED
RES	RESILIENT
REV	REVISION
RH	RIGHT HAND
RM	ROOM
RMV	REMOVE
RO	ROUGH OPENING
ROW	RIGHT OF WAY
RWL	RAIN WATER LEADER

S

S	SOUTH
SA	SUPPLY AIR
SAN	SANITARY
SC	SOLID CORE / SEALED CONCRETE
SCHED	SCHEDULE
SD	SMOKE DETECTOR / STORM DRAIN
SECT	SECTION
SHTG	SHEATHING
SHR	SHOWER
SHT	SHEET
SHTG	SHEATHING
SIM	SIMILAR
SLV	SHORT LEG VERTICAL
SPEC	SPECIFICATION
SPKR	SPEAKER
SQ	SQUARE
SS	STAINLESS STEEL
SSG	STRUCTURAL SEALANT GLAZED
SSK	SERVICE SINK
STA	STATION
STD	STANDARD
STL	STEEL
STM	STEAM
STOR	STORAGE
STRUCT	STRUCTURAL
SUSP	SUSPENDED
SV	SHEET VINYL
SY	SQUARE YARD
SYM	SYMMETRICAL

T

T	TREAD
T&B	TOP AND BOTTOM
T&G	TONGUE AND GROOVE
TC	TOP OF CURB
TEL	TELEPHONE
THK	THICK(NESS)
TOF	TOP OF FOOTING
TOS	TOP OF STEEL
TOW	TOP OF WALL
TP	TOP OF PAVEMENT
TS	TUBE STEEL
TV	TELEVISION
TW	TOP OF WALL
TYP	TYPICAL
TZ	TERRAZZO

U

UNF	UNFINISHED
UNO	UNLESS NOTED OTHERWISE
UR	URINAL

V

VCT	VINYL COMPOSITION TILE
VB	VAPOR BARRIER / VINYL BASE
VERT	VERTICAL
VEST	VESTIBULE
VIF	VERIFY IN FIELD
VWC	VINYL WALL COVERING

W

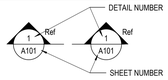
W	WEST / WIDTH
WF	WIDE FLANGE
WI	WITH
W/O	WITHOUT
WC	WATER CLOSET
WD	WOOD
WI	WROUGHT IRON
WP	WATERPROOF
WR	WATER RESISTANT
WSCT	WAINSCOT
WT	WEIGHT
WTR	WATER
WWF	WELDED WIRE FABRIC

Y

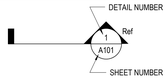
YD	YARD / YARD DRAIN

SYMBOLS LEGEND

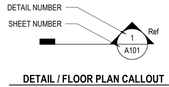
BUILDING SECTION



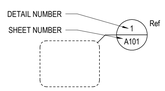
WALL SECTION



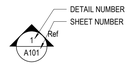
DETAIL SECTION



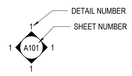
DETAIL / FLOOR PLAN CALLOUT



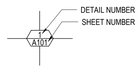
EXTERIOR ELEVATION



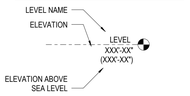
INTERIOR ELEVATION



WINDOW / CURTAIN WALL ELEVATION



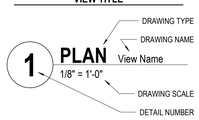
VERTICAL ELEVATION / LEVEL MARK



SPOT ELEVATION

REVISION CLOUD & TAG

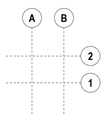
VIEW TITLE



GRAPHIC SCALE

MATCHLINE / VIEW REFERENCE

GRIDS HEADS / LINES



ROOM TAGS

ROOM OCCUPANCY TAG

NAME	101
A-1	150 SF
OCC	OCC LOAD

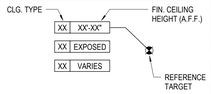
ROOM FINISH TAG

DOOR TYPE TAG

WALL TYPE TAG

WINDOW TYPE TAG

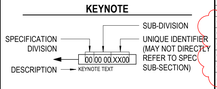
CEILING TAG



CURTAIN PANEL TYPE TAG

CODED NOTE / ACCESSORY TAG

KEYNOTE



FURNITURE / EQUIPMENT TAG

XX

CASEWORK TAG

Cabinet Type

MILLWORK NOTE

NORTH ARROW

AREA TAG

AREA NAME
150 SF

MATERIALS LEGEND

ALUMINUM	GRANULAR FILL
ACOUSTIC CEILING	GYPSUM BOARD
BRICK	INSULATION - BATT
CONCRETE	INSULATION - RIGID
CONCRETE MASONRY	PLYWOOD
CONCRETE (SURFACE)	STEEL
EARTH	WOOD - ROUGH FRAMING
GLASS - LARGE SCALE	WOOD - ROUGH BLOCKING
GLASS - SMALL SCALE	WOOD - FINISHED

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G300D	CLUBHOUSE - GROSS SQUARE FOOTAGE
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H105-C	BUILDING C LEVEL 01 & 02 HVAC PLANS
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4	
Grand total: 230	

GENERAL NOTES

1. X

#	DATE	CHANGE DESCRIPTION
1	06/11/25	ADDENDUM# 01
2	06/25/25	ADDENDUM# 02

COLUMBUS METROPOLITAN HOUSING AUTHORITY
COMMUNITY. COMMITMENT. COLLABORATION.

THE FALLS ON REFUGEE ROAD
3355 REFUGEE ROAD. COLUMBUS, OH 43232
FOR
CMHA

Moody Nolan
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: 614-461-4664
CERT. NO: FIRM 00197475

DRAWING TITLE:
DRAWING INDEX

PROGRESS DRAWING NOT FOR CONSTRUCTION

05/01/2025
23446
G001
CD PROGRESS SET

REVIT VERSION: 2023
PRINT DATE: 6/26/2025 2:07:27 PM
FILE INFO: J:\Active\Docs\23446_CMHA Refugee Rd Housing Dvlpmt - R23\23446_CMHA Refugee Rd Housing_ARCH_R23.rvt

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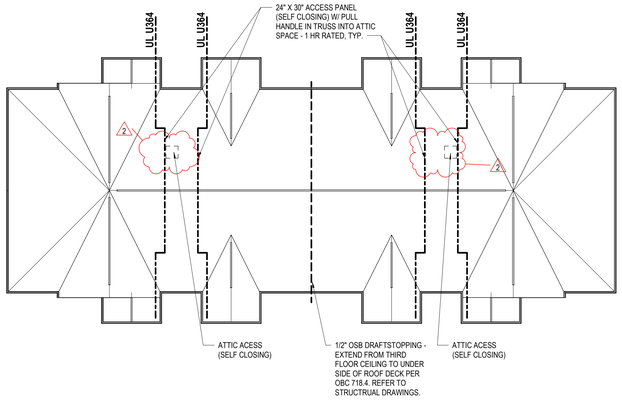
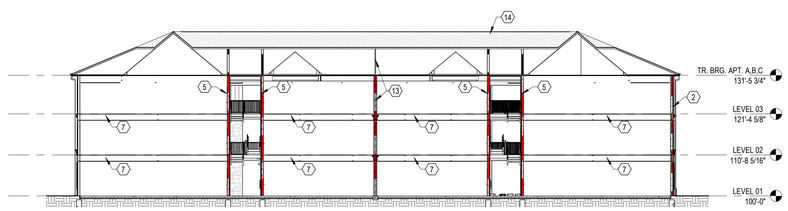
OCCUPANCY LIFE SAFETY (BUILDING A)

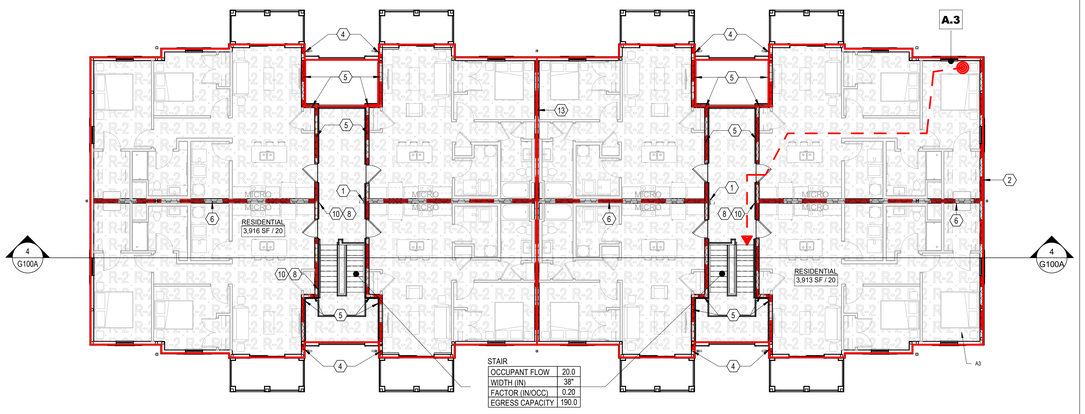
USE GROUP KEY	AREA	OCCUPANCY RATE	OCCUPANCY LOAD
LEVEL 01			
RESIDENTIAL 2b - APARTMENTS	4,015 SF	200	20
RESIDENTIAL 2b - APARTMENTS	4,017 SF	200	20
	8,033 SF		40
LEVEL 02			
RESIDENTIAL 2b - APARTMENTS	3,913 SF	200	20
RESIDENTIAL 2b - APARTMENTS	4,017 SF	200	20
	7,930 SF		40
LEVEL 03			
RESIDENTIAL 2b - APARTMENTS	3,913 SF	200	20
RESIDENTIAL 2b - APARTMENTS	3,916 SF	200	20
	7,829 SF		40
GRAND TOTAL	23,792 SF		120



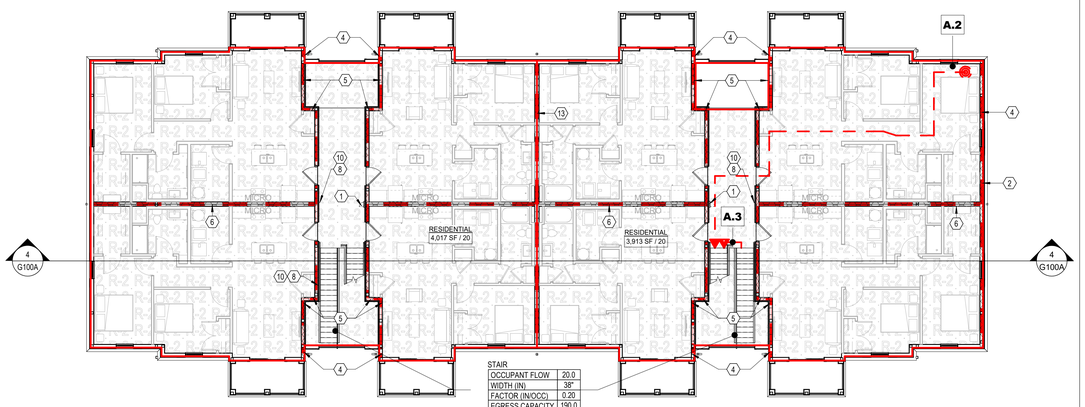
5 PLAN BLDG A - ROOF
1/16" = 1'-0"



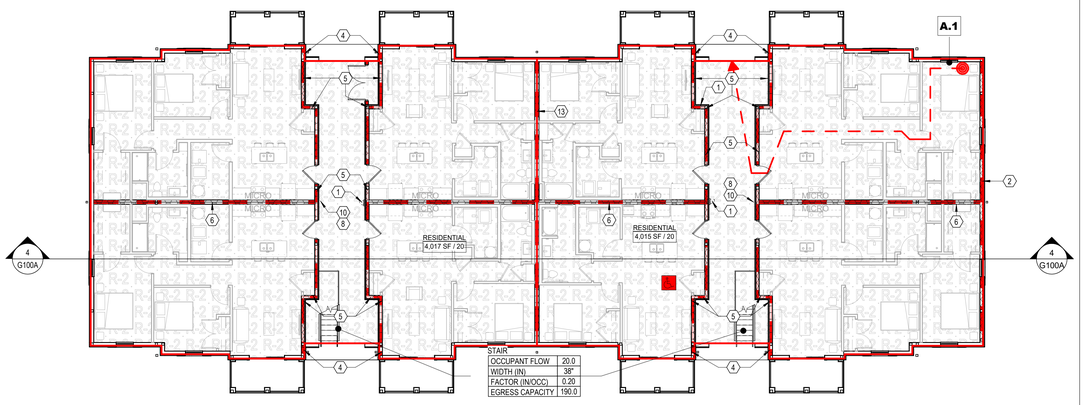
4 SECTION LIFE SAFETY - BLDG A
1/16" = 1'-0" REF: 2 / A102A



3 PLAN BLDG A-LEVEL 03
3/32" = 1'-0"



2 PLAN BLDG A-LEVEL 02
3/32" = 1'-0"



1 PLAN BLDG A-LEVEL 01
3/32" = 1'-0"

GENERAL NOTES - CODE PLAN

A. NOT USED

CODED NOTE LEGEND

1. SEMI RECESSED FIRE EXTINGUISHER CABINET.
2. WALL IN BUILDING 4 AND BUILDING 7 TO BE 1 HOUR RATED, AS FIRE SEPERATION DISTANCE IS LESS THAN 10'. SEE G011, ONE HOUR RATED EXTERIOR WALL - UL U305.
3. ONE HOUR RATED EXTERIOR WALL - UL U305
4. ONE HOUR RATED EXTERIOR WALL - UL U356
5. ONE HOUR FIRE BARRIER UP TO ROOF SHEATHING - UL U364
6. ONE HOUR RATED DEMISING WALL - UL U341
7. FLOOR-CEILING ASSEMBLY - UL L587
8. FLOOR IDENTIFICATION SIGN.
9. MAXIMUM OCCUPANCY SIGN.
10. STAIR SIGN (SIGNAGE TYPE
11. ONE HOUR RATED BEARING WALL - UL U305
12. ONE HOUR RATED NON BEARING WALL - UL U305
13. ONE HOUR RATED DEMISING WALL - UL U341. PROVIDE 1/2" OSB DRAFTSTOPPING - EXTEND FROM THIRD FLOOR CEILING TO UNDER SIDE OF ROOF DECK. REFER TO STRUCTURAL DRAWINGS.
14. ROOF-CEILING ASSEMBLY - UL P522
15. BATHROOM SIGNAGE (INTERIOR SIGNAGE TYPE E)

FIRE EQUIPMENT LEGEND

FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER AND CABINET
FVC	FIRE DEPARTMENT CONNECTION

RATED WALL LEGEND

- NON-RATED INSULATED WALL
- 1 HOUR RATED FIRE PARTITION
- INSULATED 1 HOUR RATED FIRE PARTITION
- 1 HOUR RATED FIRE BARRIER
- INSULATED 1 HOUR RATED FIRE BARRIER
- 1 HOUR RATED BEARING WALL
- INSULATED 1 HOUR RATED BEARING WALL
- 1 HOUR RATED BEARING WALL / FIRE PARTITION
- INSULATED 1 HOUR RATED BEARING WALL / FIRE PARTITION
- 1 HOUR RATED BEARING WALL / FIRE BARRIER
- INSULATED 1 HOUR RATED BEARING WALL / FIRE BARRIER

OCCUPANCY TAGS

STAIR	
OCCUPANT FLOW	0.0
WIDTH (IN)	0"
FACTOR (IN/OCC)	0.20
EGRESS CAPACITY	0.0

DOOR	
OCCUPANT FLOW	0
WIDTH (IN)	0"
FACTOR (IN/OCC)	0.2
EGRESS CAPACITY	0

USE GROUP AREA TAG
GENERAL FUNCTION
SPECIFIC FUNCTION
1500 SF / 1200 — OCCUPANT LOAD
AREA SF

PATH OF EGRESS TRAVEL
A — EGRESS EXIT ROUTE

USE GROUP AREA TYPES

2 R-2	RESIDENTIAL R-2	A-2 A	ASSEMBLY A-2
2 S-2	STORAGE S-2	A-3 A	ASSEMBLY A-3
B B	BUSINESS B	U	UTILITY

EXIT ACCESS TRAVEL DISTANCES BLDG B

EGRESS EXIT ROUTE	EGRESS PATH DISTANCE	STAIR DISTANCE	ALLOWABLE DISTANCE	TYPE	TOTAL
A.1	74'-4"	0"	125'-0"	TOTAL	74'-4"
A.2	75'-0"	20'-3"	125'-0"	COMMON	95'-3"
A.3	68'-8"	41'-6"	125'-0"	COMMON	110'-2"
B.1	85'-5"	0"	125'-0"	TOTAL	85'-5"
B.2	80'-6"	20'-3"	125'-0"	COMMON	100'-9"
B.3	78'-9"	41'-6"	125'-0"	COMMON	120'-3"
C.1	74'-5"	0"	125'-0"	TOTAL	74'-5"
C.2	73'-0"	0"	125'-0"	COMMON	73'-0"
C.3	78'-4"	41'-6"	125'-0"	COMMON	119'-10"
D1	56'-7"	0"	125'-0"	COMMON	56'-7"
D2	96'-3"	24'-0"	125'-0"	COMMON	120'-3"
G1	31'-10"	0"	125'-0"	COMMON	31'-10"
G2	31'-10"	0"	125'-0"	COMMON	31'-10"

#	DATE	CHANGE DESCRIPTION
1	06/11/25	ADDENDUM# 01
2	06/25/25	ADDENDUM# 02

COLUMBUS METROPOLITAN HOUSING AUTHORITY
COMMUNITY. COMMITMENT. COLLABORATION.

THE FALLS ON REFUGEE ROAD
3355 REFUGEE ROAD, COLUMBUS, OH 43232
FOR
CMHA

Moody Nolan
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: 614-461-4664
CERT. NO: FIRM 00197475

DRAWING TITLE:
BUILDING A - LIFE SAFETY

05/01/2025
23446
PROGRESS DRAWING NOT FOR CONSTRUCTION
G100A
CD PROGRESS SET

REVIT VERSION: 2023
PRINT DATE: 6/26/2025 2:06:04 PM
FILE INFO: J:\Active\Doors\23446_CMHA Refugee Rd Housing D\dymt - R23\23446_CMHA Refugee Rd Housing_ARCH_R23.rvt

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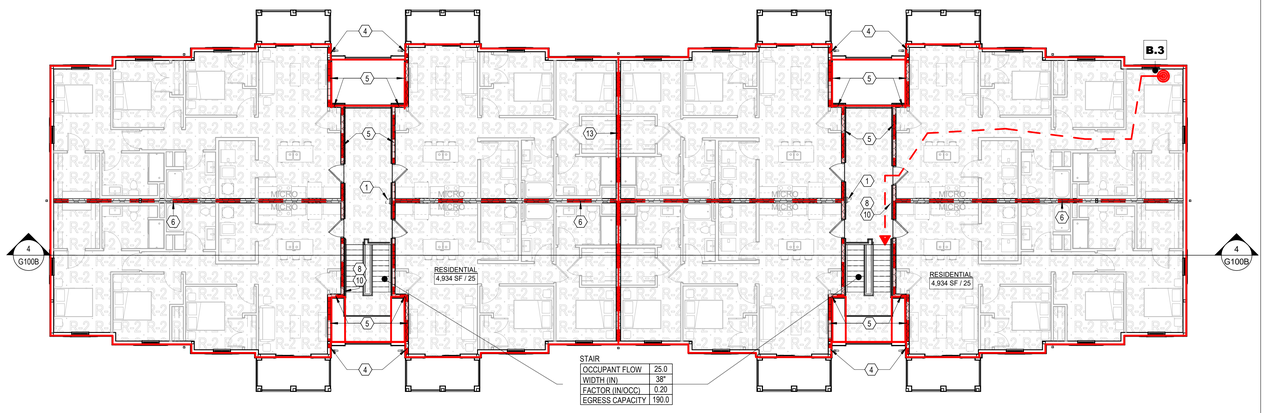
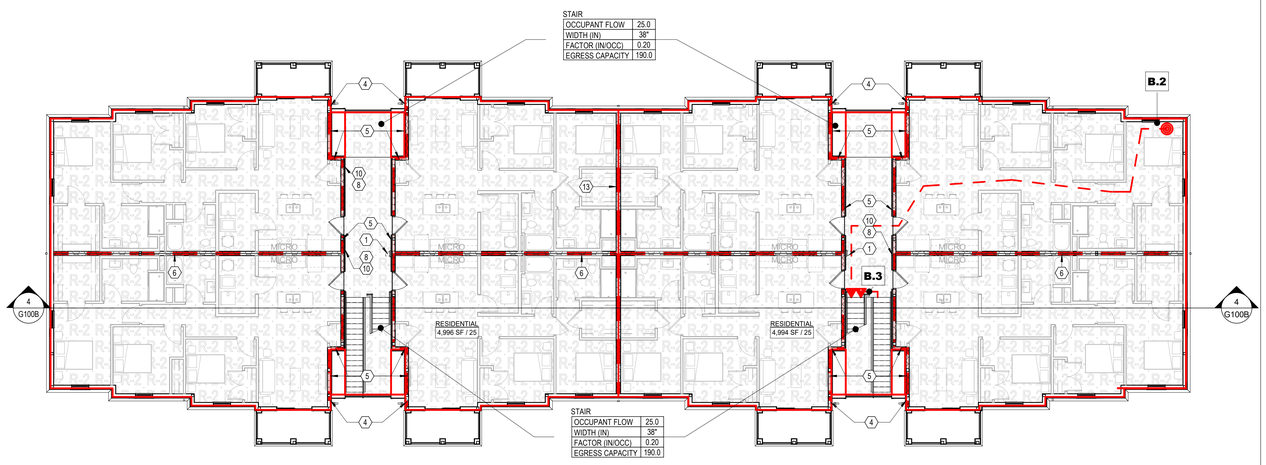
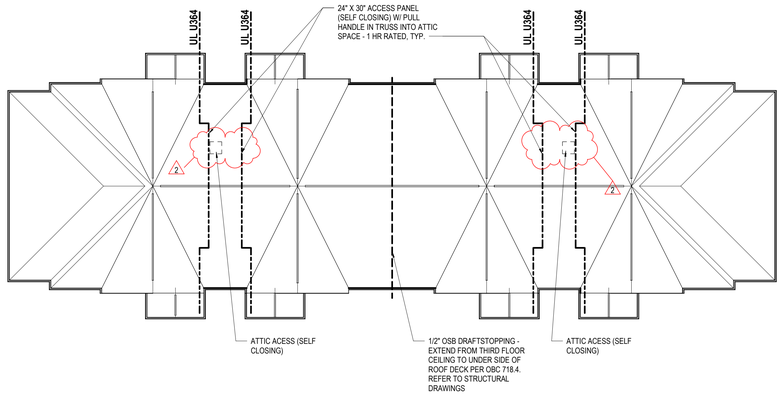
OCCUPANCY LIFE SAFETY (BUILDING B)			
USE GROUP KEY	AREA	OCCUPANCY RATE	OCCUPANCY LOAD
LEVEL 01			
RESIDENTIAL 2b - APARTMENTS	5,072 SF	200	25
RESIDENTIAL 2b - APARTMENTS	5,073 SF	200	25
	10,145 SF		50
LEVEL 02			
RESIDENTIAL 2b - APARTMENTS	4,994 SF	200	25
RESIDENTIAL 2b - APARTMENTS	4,996 SF	200	25
	9,990 SF		50
LEVEL 03			
RESIDENTIAL 2b - APARTMENTS	4,934 SF	200	25
RESIDENTIAL 2b - APARTMENTS	4,934 SF	200	25
	9,868 SF		50
GRAND TOTAL	30,002 SF		150



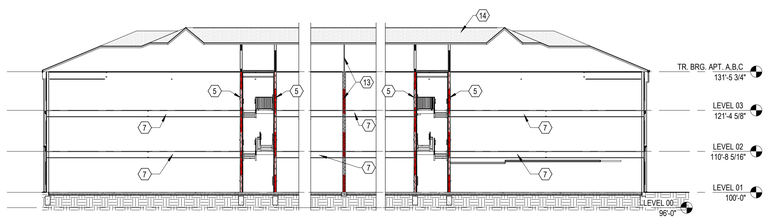
3 PLAN BLDG B-LEVEL 03
3/32" = 1'-0"



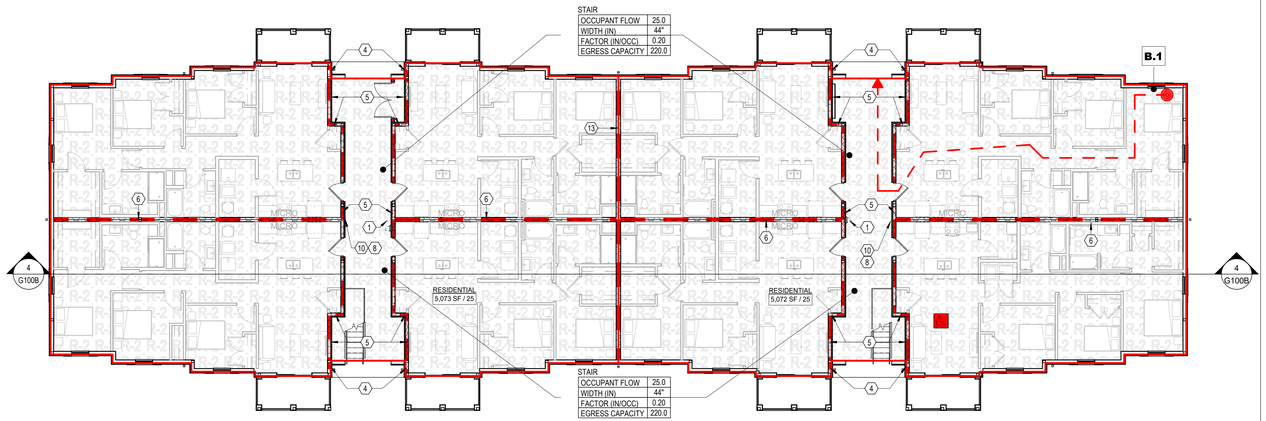
2 PLAN BLDG B-LEVEL 02
3/32" = 1'-0"



5 PLAN BLDG B - ROOF
1/16" = 1'-0"



4 SECTION LIFE SAFETY - BLDG B
1/16" = 1'-0" REF: 1 / G100B



1 PLAN BLDG B-LEVEL 01
3/32" = 1'-0"

GENERAL NOTES - CODE PLAN

A. NOT USED

CODED NOTE LEGEND

1. SEMI RECESSED FIRE EXTINGUISHER CABINET.
2. WALL IN BUILDING 4 AND BUILDING 7 TO BE 1 HOUR RATED, AS FIRE SEPERATION DISTANCE IS LESS THAN 10'. SEE G011, ONE HOUR RATED EXTERIOR WALL - UL U305.
3. ONE HOUR RATED EXTERIOR WALL - UL U305
4. ONE HOUR RATED EXTERIOR WALL - UL U356
5. ONE HOUR FIRE BARRIER UP TO ROOF SHEATHING - UL U364
6. ONE HOUR RATED DEMISING WALL - UL U341
7. FLOOR-CEILING ASSEMBLY - UL L587
8. FLOOR IDENTIFICATION SIGN.
9. MAXIMUM OCCUPANCY SIGN.
10. STAIR SIGN (SIGNAGE TYPE
11. ONE HOUR RATED BEARING WALL - UL U305
12. ONE HOUR RATED NON BEARING WALL - UL U305
13. ONE HOUR RATED DEMISING WALL - UL U341. PROVIDE 1/2" OSB DRAFTSTOPPING - EXTEND FROM THIRD FLOOR CEILING TO UNDER SIDE OF ROOF DECK. REFER TO STRUCTURAL DRAWINGS.
14. ROOF-CEILING ASSEMBLY - UL P522
15. BATHROOM SIGNAGE (INTERIOR SIGNAGE TYPE E)

FIRE EQUIPMENT LEGEND

FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER AND CABINET
FVC	FIRE DEPARTMENT CONNECTION

RATED WALL LEGEND

- NON-RATED INSULATED WALL
- 1 HOUR RATED FIRE PARTITION
- INSULATED 1 HOUR RATED FIRE PARTITION
- 1 HOUR RATED FIRE BARRIER
- INSULATED 1 HOUR RATED FIRE BARRIER
- 1 HOUR RATED BEARING WALL
- INSULATED 1 HOUR RATED BEARING WALL
- 1 HOUR RATED BEARING WALL / FIRE PARTITION
- INSULATED 1 HOUR RATED BEARING WALL / FIRE PARTITION
- 1 HOUR RATED BEARING WALL / FIRE BARRIER
- INSULATED 1 HOUR RATED BEARING WALL / FIRE BARRIER

OCCUPANCY TAGS

STAIR	
OCCUPANT FLOW	0.0
WIDTH (IN)	
FACTOR (IN/OCC)	0.20
EGRESS CAPACITY	0.0

DOOR	
OCCUPANT FLOW	0
WIDTH (IN)	0"
FACTOR (IN/OCC)	0.2
EGRESS CAPACITY	0

USE GROUP AREA TAG
GENERAL FUNCTION
SPECIFIC FUNCTION
1500 SF / 1200
OCCUPANT LOAD
AREA SF
PATH OF EGRESS TRAVEL
A EGRESS EXIT ROUTE

USE GROUP AREA TYPES

2 R-2	RESIDENTIAL R-2	A-2 A	ASSEMBLY A-2
2 S-2	STORAGE S-2	A-3 A	ASSEMBLY A-3
B B	BUSINESS B	U	UTILITY

EXIT ACCESS TRAVEL DISTANCES BLDG B

EGRESS EXIT ROUTE	EGRESS PATH DISTANCE	STAIR DISTANCE	ALLOWABLE DISTANCE	TYPE	TOTAL
A.1	74'-4"	0"	125'-0"	TOTAL	74'-4"
A.2	75'-0"	20'-3"	125'-0"	COMMON	95'-3"
A.3	68'-8"	41'-6"	125'-0"	COMMON	110'-2"
B.1	85'-5"	0"	125'-0"	TOTAL	85'-5"
B.2	80'-6"	20'-3"	125'-0"	COMMON	100'-9"
B.3	78'-9"	41'-6"	125'-0"	COMMON	120'-3"
C.1	74'-5"	0"	125'-0"	TOTAL	74'-5"
C.2	73'-0"	0"	125'-0"	COMMON	73'-0"
C.3	78'-4"	41'-6"	125'-0"	COMMON	119'-10"
D1	56'-7"	0"	125'-0"	COMMON	56'-7"
D2	96'-3"	24'-0"	125'-0"	COMMON	120'-3"
G1	31'-10"	0"	125'-0"	COMMON	31'-10"
G2	31'-10"	0"	129'-0"	COMMON	31'-10"

#	DATE	CHANGE DESCRIPTION
1	06/11/25	ADDENDUM# 01
2	06/25/25	ADDENDUM# 02

COLUMBUS METROPOLITAN HOUSING AUTHORITY
COMMUNITY. COMMITMENT. COLLABORATION.

THE FALLS ON REFUGEE ROAD
3355 REFUGEE ROAD. COLUMBUS, OH 43232
FOR
CMHA

Moody Nolan
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: 614-461-4664
CERT. NO: FIRM 00197475

DRAWING TITLE:
BUILDING B - LIFE SAFETY

PROGRESS DRAWING NOT FOR CONSTRUCTION

05/01/2025
23446
G100B
CD PROGRESS SET

REVIT VERSION: 2023
PRINT DATE: 6/26/2025 2:55:25 PM
FILE INFO: J:\Active\ Docs\23446_CMHA Refugee Rd Housing Dvlpmt - R23\23446_CMHA Refugee Rd Housing_ARCH_R23.rvt

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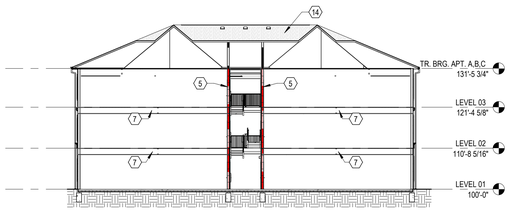
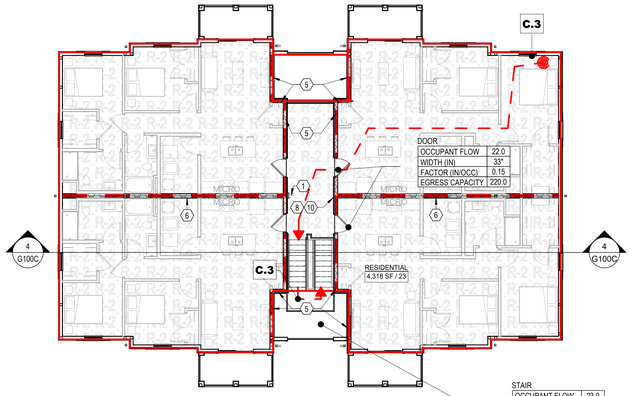
OCCUPANCY LIFE SAFETY (BUILDING C)			
USE GROUP KEY	AREA	OCCUPANCY RATE	OCCUPANCY LOAD
LEVEL 01			
RESIDENTIAL 2b - APARTMENTS	4,539 SF	200	23
	4,539 SF		23
LEVEL 02			
RESIDENTIAL 2b - APARTMENTS	4,325 SF	200	22
	4,325 SF		22
LEVEL 03			
RESIDENTIAL 2b - APARTMENTS	4,318 SF	200	22
	4,318 SF		22
GRAND TOTAL	13,182 SF		67

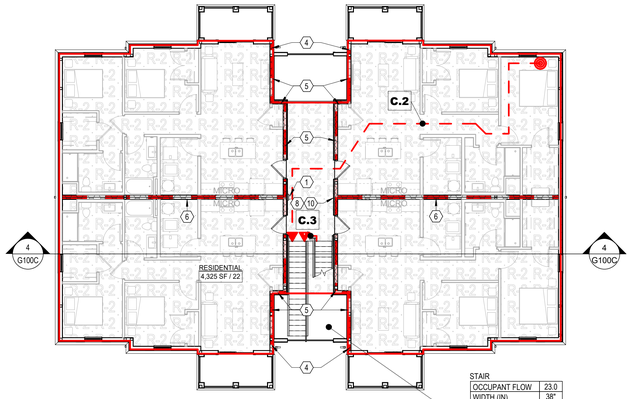
5 PLAN BLDG C - ROOF
1/16" = 1'-0"



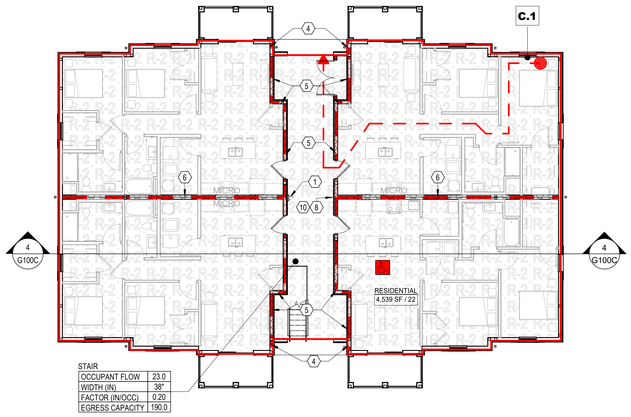
4 SECTION LIFE SAFETY - BLDG C
1/16" = 1'-0" REF: 1 / G100C



3 PLAN BLDG C-LEVEL 03
3/32" = 1'-0"



2 PLAN BLDG C-LEVEL 02
3/32" = 1'-0"



1 PLAN BLDG C-LEVEL 01
3/32" = 1'-0"

GENERAL NOTES - CODE PLAN

A. NOT USED

CODED NOTE LEGEND

1. SEMI RECESSED FIRE EXTINGUISHER CABINET.
2. WALL IN BUILDING 4 AND BUILDING 7 TO BE 1 HOUR RATED, AS FIRE SEPERATION DISTANCE IS LESS THAN 10'. SEE G011, ONE HOUR RATED EXTERIOR WALL - UL U305.
3. ONE HOUR RATED EXTERIOR WALL - UL U305
4. ONE HOUR RATED EXTERIOR WALL - UL U356
5. ONE HOUR FIRE BARRIER UP TO ROOF SHEATHING - UL U364
6. ONE HOUR RATED DEMISING WALL - UL U341
7. FLOOR-CEILING ASSEMBLY - UL L587
8. FLOOR IDENTIFICATION SIGN.
9. MAXIMUM OCCUPANCY SIGN.
10. STAIR SIGN (SIGNAGE TYPE
11. ONE HOUR RATED BEARING WALL - UL U305
12. ONE HOUR RATED NON BEARING WALL - UL U305
13. ONE HOUR RATED DEMISING WALL - UL U341. PROVIDE 1/2" OSB DRAFTSTOPPING - EXTEND FROM THIRD FLOOR CEILING TO UNDER SIDE OF ROOF DECK. REFER TO STRUCTURAL DRAWINGS.
14. ROOF-CEILING ASSEMBLY - UL P522
15. BATHROOM SIGNAGE (INTERIOR SIGNAGE TYPE E)

FIRE EQUIPMENT LEGEND

FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER AND CABINET
FVC	FIRE DEPARTMENT CONNECTION

RATED WALL LEGEND

- NON-RATED INSULATED WALL
- 1 HOUR RATED FIRE PARTITION
- INSULATED 1 HOUR RATED FIRE PARTITION
- 1 HOUR RATED FIRE BARRIER
- INSULATED 1 HOUR RATED FIRE BARRIER
- 1 HOUR RATED BEARING WALL
- INSULATED 1 HOUR RATED BEARING WALL
- 1 HOUR RATED BEARING WALL / FIRE PARTITION
- INSULATED 1 HOUR RATED BEARING WALL / FIRE PARTITION
- 1 HOUR RATED BEARING WALL / FIRE BARRIER
- INSULATED 1 HOUR RATED BEARING WALL / FIRE BARRIER

OCCUPANCY TAGS

STAIR	
OCCUPANT FLOW	0.0
WIDTH (IN)	0"
FACTOR (IN/OCC)	0.20
EGRESS CAPACITY	0.0

DOOR	
OCCUPANT FLOW	0
WIDTH (IN)	0"
FACTOR (IN/OCC)	0.2
EGRESS CAPACITY	0

USE GROUP AREA TAG
GENERAL FUNCTION SPECIFIC FUNCTION
1500 SF / 1200 — OCCUPANT LOAD
AREA SF
PATH OF EGRESS TRAVEL
A — EGRESS EXIT ROUTE

USE GROUP AREA TYPES

R-2	RESIDENTIAL R-2	A-2	ASSEMBLY A-2
S-2	STORAGE S-2	A-3	ASSEMBLY A-3
B	BUSINESS B	U	UTILITY

EXIT ACCESS TRAVEL DISTANCES BLDG B

EGRESS EXIT ROUTE	EGRESS PATH DISTANCE	STAIR DISTANCE	ALLOWABLE DISTANCE	TYPE	TOTAL
A.1	74'-4"	0"	125'-0"	TOTAL	74'-4"
A.2	75'-0"	20'-3"	125'-0"	COMMON	95'-3"
A.3	68'-8"	41'-6"	125'-0"	COMMON	110'-2"
B.1	85'-5"	0"	125'-0"	TOTAL	85'-5"
B.2	80'-6"	20'-3"	125'-0"	COMMON	100'-9"
B.3	78'-9"	41'-6"	125'-0"	COMMON	120'-3"
C.1	74'-5"	0"	125'-0"	TOTAL	74'-5"
C.2	73'-0"	0"	125'-0"	COMMON	73'-0"
C.3	78'-4"	41'-6"	125'-0"	COMMON	119'-10"
D1	56'-7"	0"	125'-0"	COMMON	56'-7"
D2	96'-3"	24'-0"	125'-0"	COMMON	120'-3"
G1	31'-10"	0"	125'-0"	COMMON	31'-10"
G2	31'-10"	0"	125'-0"	COMMON	31'-10"

#	DATE	CHANGE DESCRIPTION
1	06/11/25	ADDENDUM# 01
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COLUMBUS METROPOLITAN HOUSING AUTHORITY
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BUILDING C - LIFE SAFETY

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PROGRESS DRAWING NOT FOR CONSTRUCTION
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FILE INFO: J:\Jobs\Jobs\23446_CMHA Refugee Rd Housing Dvlpmt - R23\23446_CMHA Refugee Rd Housing_ARCH_R23.rvt

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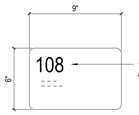
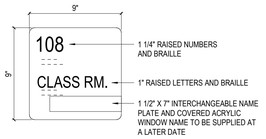
SIGNAGE SCHEDULE

ROOM					
LEVEL	NUMBER	NAME	PLAN CODE	SIGN TYPE	BRAILLE

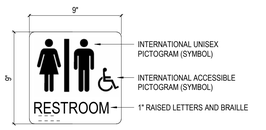
SIGNAGE TYPES



INTERIOR SIGNAGE TYPE A



INTERIOR SIGNAGE TYPE C



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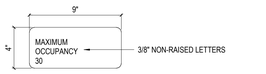
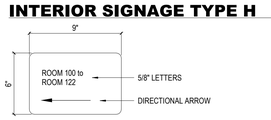


INTERIOR SIGNAGE TYPE G

INTERIOR SIGNAGE TYPE H



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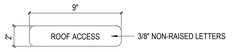
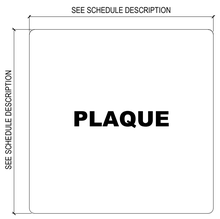
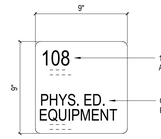


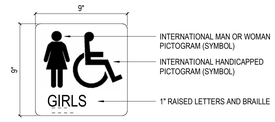
INTERIOR SIGNAGE TYPE M



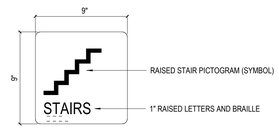
INTERIOR SIGNAGE TYPE P



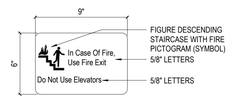
INTERIOR SIGNAGE TYPE B



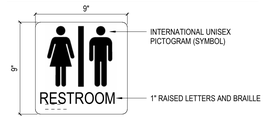
INTERIOR SIGNAGE TYPE D



INTERIOR SIGNAGE TYPE F

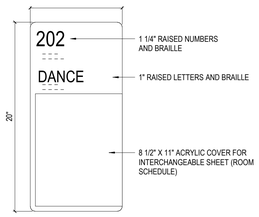


INTERIOR SIGNAGE TYPE I



INTERIOR SIGNAGE TYPE K

INTERIOR SIGNAGE TYPE L



INTERIOR SIGNAGE TYPE N

GENERAL NOTES

1. PROVIDE MAXIMUM OCCUPANCY SIGNAGE TYPE G AS NEEDED PER SPECIFICATIONS.
2. FIRE EXTINGUISHERS SHALL BE FURNISHED WITH SIGNAGE PER THE MANUFACTURER.
3. INSTALL SIGNAGE TO BE AT LATCH SIDE OF DOOR, MOUNTING HEIGHT IS 60" FROM THE FLOOR TO THE BASELINE OF THE HIGHEST TACTILE CHARACTER (TYPICAL)

SIGNAGE TYPES LEGEND

12" = 1'-0"

GENERAL NOTES - SIGNAGE

1. X

KEYNOTE LEGEND

#	DATE	CHANGE DESCRIPTION
1	06/25/25	ADDENDUM# 02

COLUMBUS METROPOLITAN HOUSING AUTHORITY
COMMUNITY. COMMITMENT. COLLABORATION.

THE FALLS ON REFUGEE ROAD
3355 REFUGEE ROAD. COLUMBUS, OH 43232
FOR
CMHA

Moody Nolan
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: 614-461-4664
CERT. NO: FIRM 00197475

DRAWING TITLE:
SIGNAGE SCHEDULE

05/01/2025
23446
PROGRESS DRAWING NOT FOR CONSTRUCTION
1
G150
CD PROGRESS SET

REVIT VERSION: 2023
PRINT DATE: 6/26/2025 2:05:44 PM
FILE INFO: J:\Jobs\Active Docs\23446_CMHA Refugee Rd Housing D-plan_R23\23446_CMHA Refugee Rd Housing_ARCH_R23.rvt

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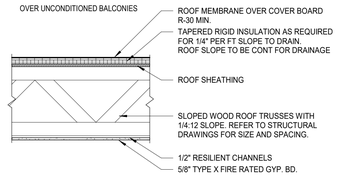
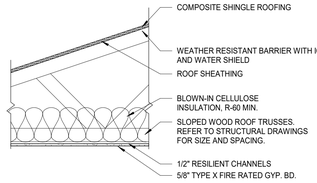
R1 - FLAT ROOF

UL #: UL P522
FIRE RATING: 1 HOUR



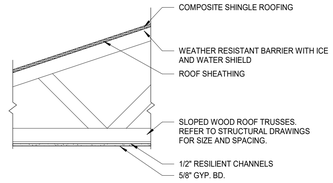
R2 - SLOPED ROOF

UL #: UL P522
FIRE RATING: 1 HOUR



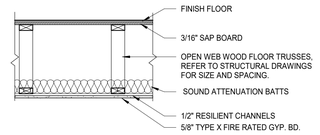
R3 - SLOPED ROOF (GARAGE BUILDINGS)

UL #: N/A
FIRE RATING: NON-RATED



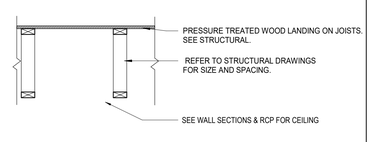
F1 - TYPICAL RESIDENTIAL FLOOR

UL #: ULL587
FIRE RATING: 1 HOUR
IIC: 54
STC: 59



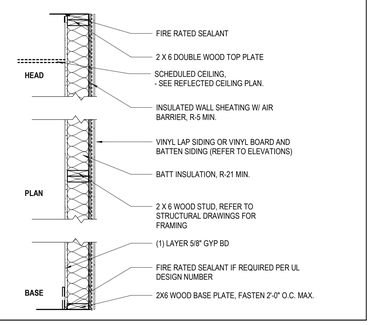
F2 - TYPICAL BREEZEWAY FLOOR

UL #: --
FIRE RATING: NOT REQUIRED
IIC: --
STC: --



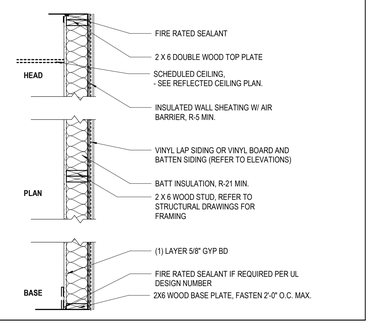
E1 - TYPICAL EXTERIOR STUD WALL

UL #:
FIRE RATING: NOT REQUIRED



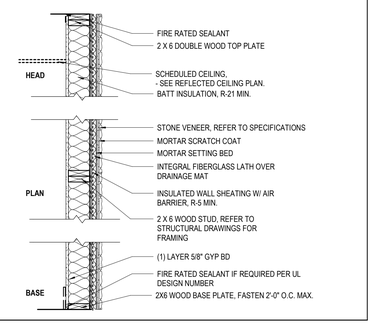
E1a - 1 HR EXTERIOR STUD WALL

UL #: UL U356
FIRE RATING: 1 HOUR



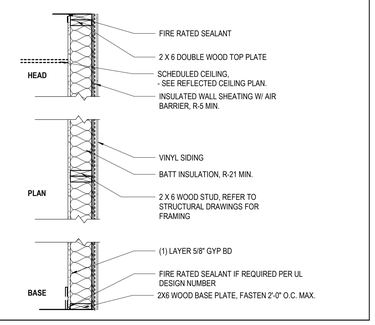
E2 - TYPICAL EXTERIOR STUD WALL

UL #:
FIRE RATING: NOT REQUIRED



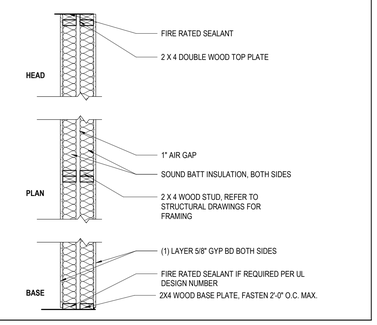
E3 - TYPICAL BREEZEWAY STUD WALL

UL #: UL U356
FIRE RATING: 1 HR

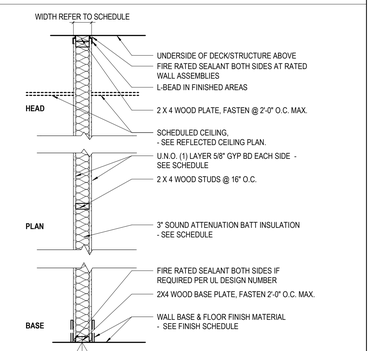


DW - TYPICAL UNIT DEMISING

UL #: UL U341
FIRE RATING: 1 HR
STC: STC 54 PER NGC 218

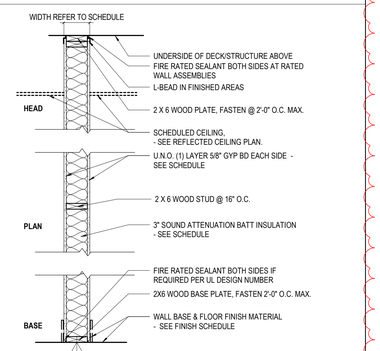


TYPE 11 - 2 X 4 WOOD STUD WALL TYPES



TYPE	WIDTH	STUD WIDTH	GYP. BD - 1 SIDE	GYP. BD - 2 SIDES	"TYPE X" GYP. BD.	FIRE RATING	UL #	STC RATING	SOUND INSUL.	CODED NOTES	COMMENTS
11A	4 3/4"	2x4	No	Yes	Yes	1HR	UL# U305	35	No	04	
11C	4 3/4"	2x4	No	Yes	No	0HR		46	Yes	04	
11D	<varies>	2x4	No	Yes	No	0HR		35	No	04	
11J	4 3/4"	2x4	No	Yes	Yes	1HR	UL# U305	35	No	04	
11K	4 1/8"	2x4	Yes	No	No	0HR		35	No	05	
11S	4 1/8"	2x4	Yes	No	No	0HR		35	No	04	

TYPE 12 - 2 X 6 WOOD STUD WALL TYPES



TYPE	WIDTH	STUD WIDTH	GYP. BD - 1 SIDE	GYP. BD - 2 SIDES	"TYPE X" GYP. BD.	FIRE RATING	UL #	STC RATING	SOUND INSUL.	CODED NOTES	COMMENTS
12A	6 3/4"	2X6	No	Yes	Yes	1HR	UL# U305	35 EST.	No	04	
12B	6 3/4"	2X6	No	Yes	Yes	1HR	UL# U305	46 EST.	Yes	04	
12C	6 3/4"	2X6	No	Yes	No	0HR		46 EST.	Yes	04	
12D	6 3/4"	2X6	No	Yes	No	0HR		35 EST.	No	04	
12G	6 1/8"	2X6	No	Yes	No	0HR		46 EST.	Yes	04	
12S	6 1/8"	2X6	Yes	No	No	0HR		35 EST.	No	04	
12U	6 3/4"	2X6	No	Yes	Yes	1HR	UL# U305	46 EST.	Yes	04	BEARING

2

GENERAL NOTES - WALL TYPE

1. ALL DIMENSIONS TO FACE OF WALL U.N.O.
2. USE 5/8" WATER RESISTANT GYP. BD. ON ALL WET WALLS, UNO.
3. USE CEMENT BOARD FOR ALL WALLS TO RECEIVE CERAMIC TILE, UNO.
4. FIRE SAFE ALL JOINTS AND PENETRATIONS AT FIRE RATED PARTITIONS.
5. UL NUMBERS LISTED APPLY ONLY TO THE TESTED MANUFACTURERS. EQUAL MANUFACTURERS' EQUIVALENT ASSEMBLY INFORMATION MUST BE APPROVED BY ARCHITECT.
6. INSULATION MUST EXTEND FULL HEIGHT OF PARTITION. WHERE SOUND ATTENUATION BATTS ARE INDICATED IN PARTITIONS, INSTALL ACOUSTIC SEALANT AT BOTH SIDES, ALONG THE TOP AND BOTTOM, AND AT INTERSECTING PARTITIONS.
7. WHERE 3 5/8", 4" OR 6" STUD WALLS ARE INDICATED, SEE SPECIFICATIONS FOR HEIGHT LIMITS
8. REFER TO FINISH SCHEDULE FOR FINISHES.
9. SEAL TOP & BOTTOM OF PARTITION WITH ACOUSTIC SEALANT AS REQUIRED BY STC RATING.

CODED NOTE LEGEND

1. BRACE EACH STUD @ 4'-0" O.C. TO BACK-UP WALL FOR ENTIRE HEIGHT OF PARTITION.
2. BRACE EACH STUD @ 8'-0" O.C. TO BACK-UP WALL FOR ENTIRE HEIGHT OF PARTITION.
3. SMOKE TIGHT SEAL SHALL BE PROVIDED AT TOP, BOTTOM AND ENDS OF WALL AND AT ALL PENETRATIONS.
4. FULL HEIGHT PARTITION. TERMINATE GYP. BD. AND STUDS AT DECK/STRUCTURE ABOVE.
5. STOP GYP. BD. AND STUDS 6" AFC. BRACE PARTITION TO DECK/STRUCTURE PER METAL STUD MANUFACTURER DESIGN LOADING CRITERIA.
6. FULL HEIGHT SHAFT WALL. TERMINATE GYP BD. AND STUDS AT DECK/STRUCTURE ABOVE.
7. FULL HEIGHT PARTITION. TERMINATE GYP BD., PLYWOOD AND STUDS AT DECK/STRUCTURE ABOVE.
8. FULL HEIGHT PARTITION. TERMINATE CMU AT DECK/STRUCTURE ABOVE.
9. STOP CMU FULL COURSE ABOVE FINISH CEILING. BRACE WALL TO STRUCTURE PER STRUCTURAL DRAWINGS.
10. FULL HEIGHT PARTITION. TERMINATE CMU AT DECK. ABOVE. STOP FURRING AND GYP. BD. @ 6" ABOVE FINISHED CEILING.
11. STOP WALL FULL COURSE ABOVE FINISH CEILING. BRACE WALL TO STRUCT. PER STRUCTURAL DRAWINGS.

#	DATE	CHANGE DESCRIPTION
1	06/11/25	ADDENDUM# 01
2	06/25/25	ADDENDUM# 02

COLUMBUS METROPOLITAN HOUSING AUTHORITY
COMMUNITY. COMMITMENT. COLLABORATION.

THE FALLS ON REFUGEE ROAD
3355 REFUGEE ROAD. COLUMBUS, OH 43232
FOR
CMHA

Moody Nolan
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: 614-461-4664
CERT. NO: FIRM 00197475

DRAWING TITLE:

BUILDING ASSEMBLIES SCHEDULE

PROGRESS DRAWING NOT FOR CONSTRUCTION

05/01/2025
23446
G200
CD PROGRESS SET

REVIT VERSION: 2023
PRINT DATE: 6/26/2025 2:04:37 PM
FILE INFO: Autodesk Docs://23446_CMHA Refugee Rd Housing D/print_R23/23446_CMHA Refugee Rd Housing_ARCH_R23.rvt

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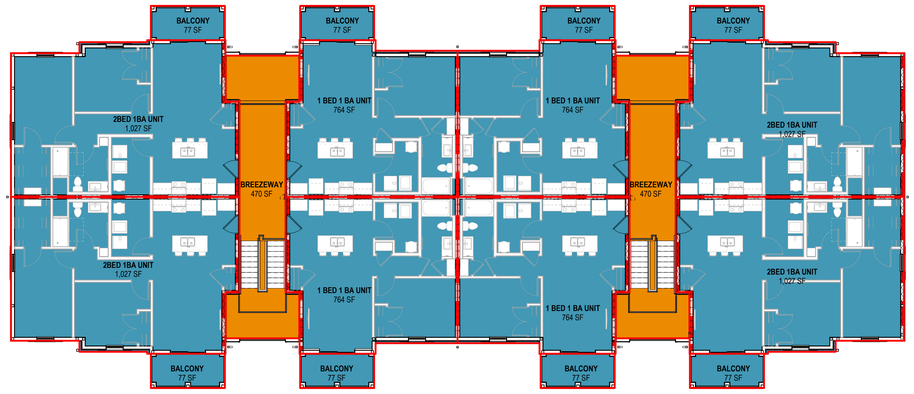
Department Gross

CIRCULATION

RESIDENTIAL

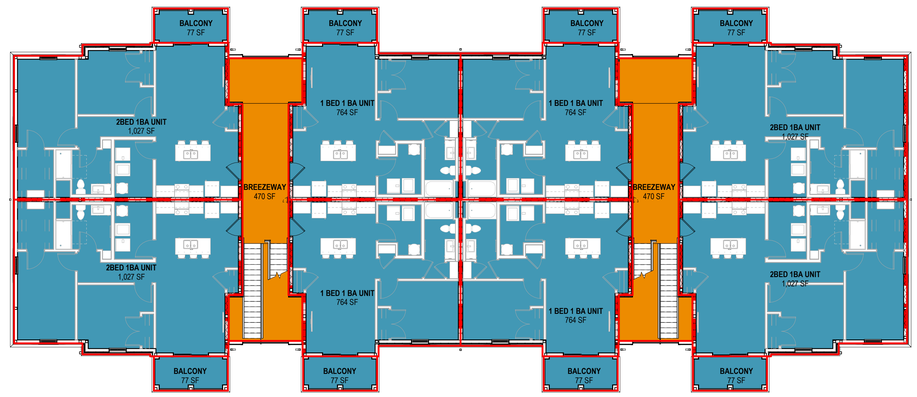


3 **PLAN** BLDG A - LEVEL 03 - GROSS AREA
3/32" = 1'-0"

Department Gross

CIRCULATION

RESIDENTIAL



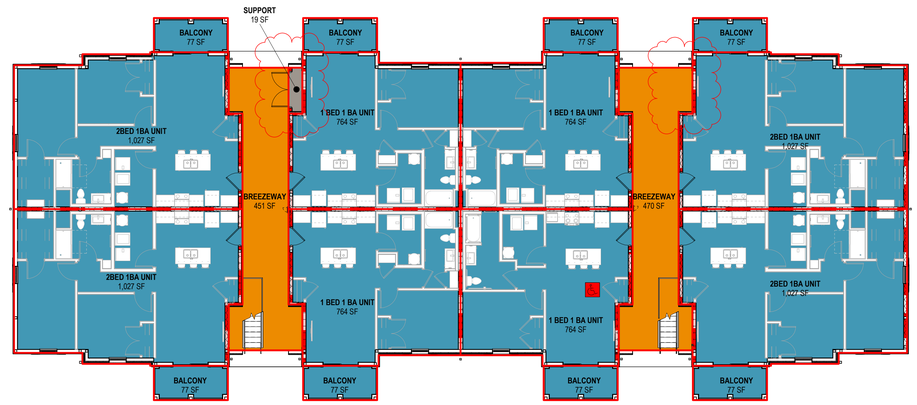
2 **PLAN** BLDG A - LEVEL 02 - GROSS AREA
3/32" = 1'-0"

Department Gross

CIRCULATION

RESIDENTIAL

SUPPORT



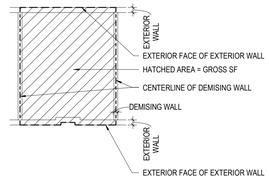
1 **PLAN** BLDG A - LEVEL 01 - GROSS AREA
3/32" = 1'-0"

GENERAL NOTES - AREA PLANS

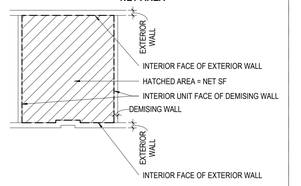
1. THIS SHEET IS AVAILABLE IN COLOR UPON REQUEST.
2. REFER TO OVERALL FLOOR PLANS AND ENLARGED UNIT PLANS FOR ADDITIONAL INFORMATION.

AREA LEGEND

GROSS AREA



NET AREA



#	DATE	CHANGE DESCRIPTION
1	06/25/25	ADDENDUM# 02

COLUMBUS METROPOLITAN HOUSING AUTHORITY
COMMUNITY. COMMITMENT. COLLABORATION.

THE FALLS ON REFUGEE ROAD
3355 REFUGEE ROAD. COLUMBUS, OH 43232
FOR
CMHA

300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: 614-461-4664

Moody Nolan
CERT. NO: FIRM 00197475

DRAWING TITLE:

BUILDING A - GROSS AREA

PROGRESS DRAWING NOT FOR CONSTRUCTION

05/01/2025

23446

G400A

CD PROGRESS SET

REVIT VERSION: 2023
PRINT DATE: 6/26/2025 2:05:59 PM
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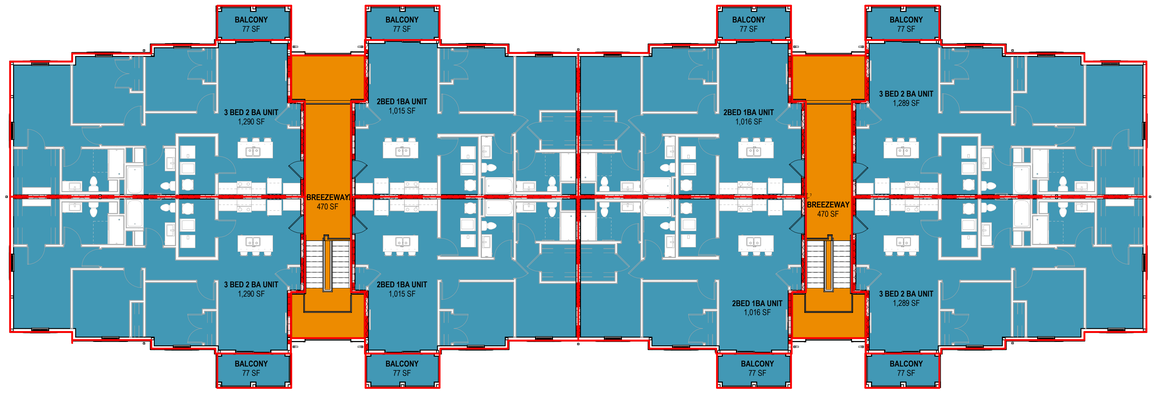
Department Gross

CIRCULATION

RESIDENTIAL

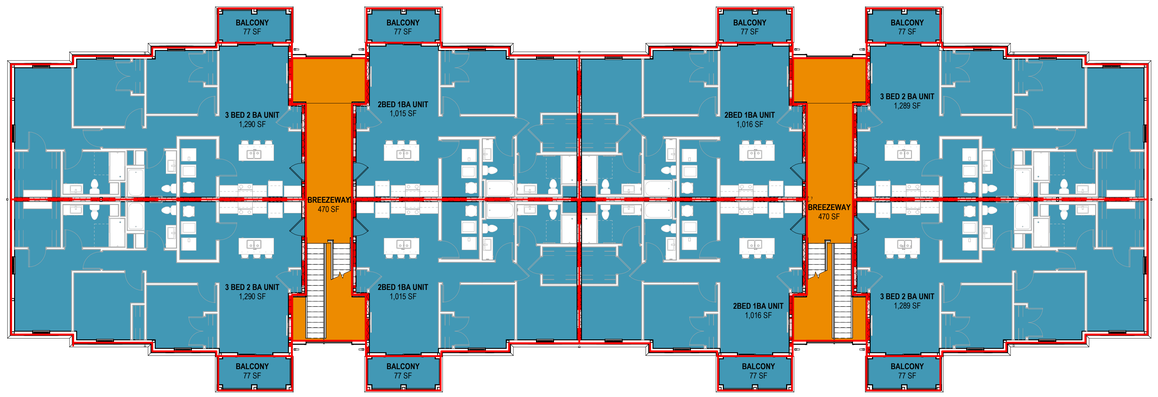


3 PLAN BLDG B - LEVEL 03 - GROSS AREA Copy 1
3/32" = 1'-0"

Department Gross

CIRCULATION

RESIDENTIAL



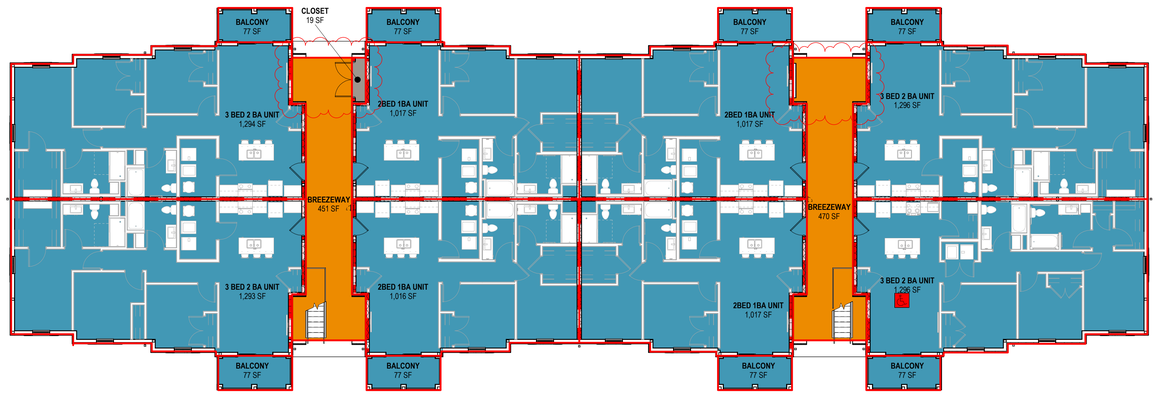
2 PLAN BLDG B - LEVEL 02 - GROSS AREA
3/32" = 1'-0"

Department Gross

CIRCULATION

RESIDENTIAL

SUPPORT



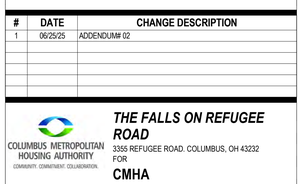
1 PLAN BLDG B - LEVEL 01 - GROSS AREA
3/32" = 1'-0"

GENERAL NOTES - AREA PLANS

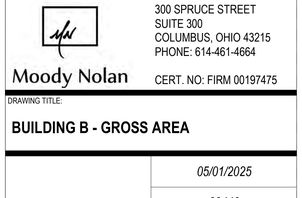
1. THIS SHEET IS AVAILABLE IN COLOR UPON REQUEST.
2. REFER TO OVERALL FLOOR PLANS AND ENLARGED UNIT PLANS FOR ADDITIONAL INFORMATION.

AREA LEGEND

GROSS AREA



NET AREA



#	DATE	CHANGE DESCRIPTION
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300 SPRUCE STREET
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COLUMBUS, OHIO 43215
PHONE: 614-461-4664
CERT. NO: FIRM 00197475

DRAWING TITLE:

BUILDING B - GROSS AREA

05/01/2025

23446

PROGRESS DRAWING NOT FOR CONSTRUCTION

G400B

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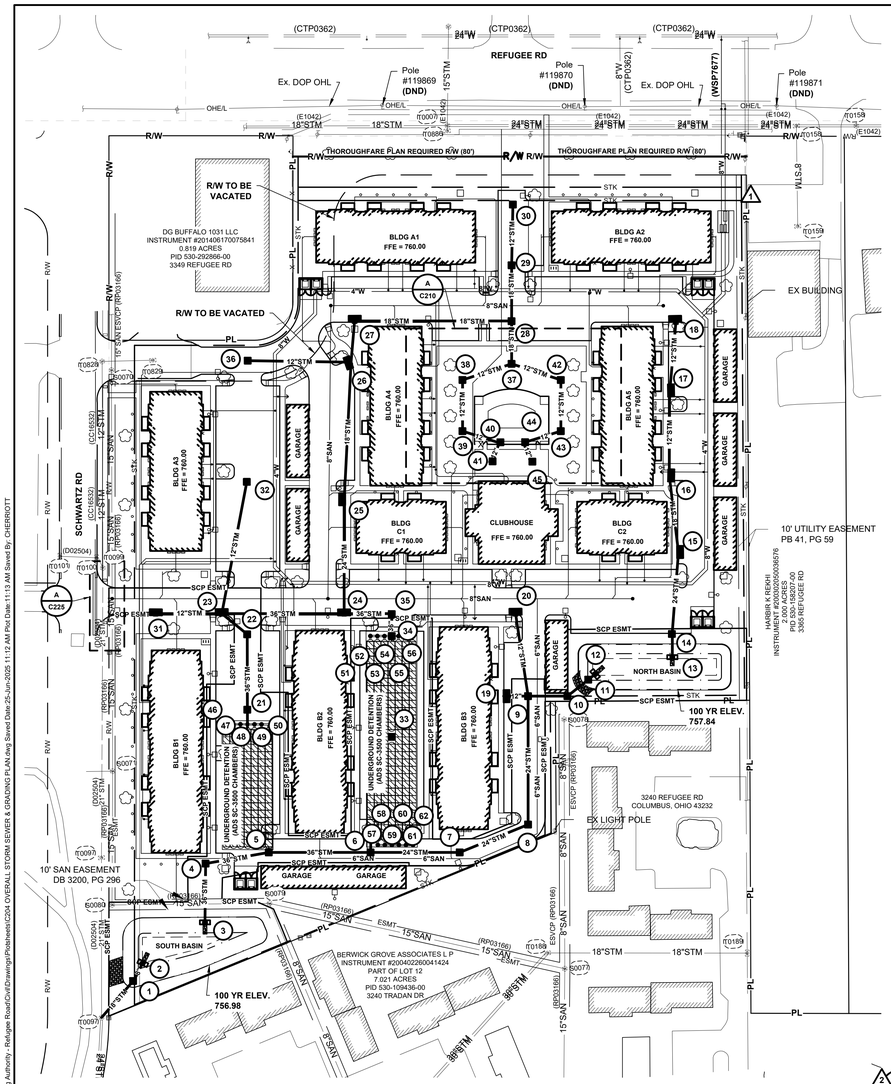

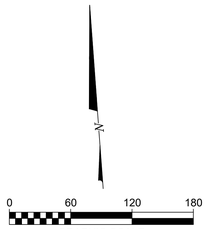

GRADING LEGEND
PROPOSED

- 800 — INDEX CONTOUR
- 799 — INTERMEDIATE CONTOUR
- BUILDING/WALL
- W — WATER LINE
- F — FIRE PROTECTION SERVICE LINE
- G — GAS LINE
- STM — STORM SEWER
- UD — UNDERDRAIN
- SAN — SANITARY SEWER
- STK — SETBACK 1
- CATCH BASIN
- CURB & GUTTER INLET
- MANHOLE
- AD — AREA DRAIN PER DETAIL G/
- DS — DOWNSPOUT ADAPTER
- W — FIRE HYDRANT
- GATE VALVE & CURB BOX
- X XXX — STRUCTURE NUMBER
- GRADE BREAK (CROWN) LINE
- GRADING/SEEDING LIMITS
- 708.53 — SPOT ELEVATION
- TC — TOP OF CASTING
- 700.00 / 699.50 — TOP OF CURB ELEVATION / GUTTER ELEVATION AT FACE OF CURB
- FLOW DIRECTION ARROW
- X — HIGH (CROWN) POINT
- EMERGENCY OVERFLOW
- M.E. — MATCH EXISTING ELEVATION

GENERAL NOTES:

1. PROVIDE 10' UNDERDRAINS IN FOUR DIRECTIONS AT CATCH BASINS IN PAVEMENT PER DETAIL F/11(C211).
2. PAVEMENT ELEVATIONS REFER TO FINISHED PAVEMENT ELEVATION AT FACE OF CURB UNLESS OTHERWISE NOTED.
3. CONSTRUCTION WORK WILL NOT BE PERMITTED WITHOUT APPROVED PLANS AND INSPECTION.
4. PERFORM WORK IN ACCORDANCE WITH CITY OF COLUMBUS MATERIAL SPECIFICATIONS AND STANDARD CONSTRUCTION DRAWINGS. IN CASE OF A DISCREPANCY BETWEEN CITY OF COLUMBUS REQUIREMENTS AND PROJECT SPECIFICATIONS, CITY OF COLUMBUS STANDARDS SHALL GOVERN.
5. SOIL EROSION AND SEDIMENTATION BMP MEASURES, PER SHEET 18-24(C218-C224), SHALL BE INSTALLED PRIOR TO START OF ANY CONSTRUCTION AND SHALL BE MAINTAINED UNTIL CONSTRUCTION HAS BEEN COMPLETED, INCLUDING GRASS BEING WELL ESTABLISHED AND/OR PERMANENT EROSION AND SEDIMENTATION BMP MEASURES IN PLACE. BMP MEASURES SHALL BE TO THE SATISFACTION OF THE CITY OF COLUMBUS.
6. STREET CLEANING (ON AN AS-NEEDED BASIS) IS REQUIRED THROUGH THE DURATION OF THIS CONSTRUCTION PROJECT. THIS INCLUDES SWEEPING, POWER CLEANING, AND (IF NECESSARY) MANUAL REMOVAL OF DIRT AND/OR MUD IN THE STREET GUTTERS.
7. REMOVE SEDIMENT FROM DETENTION AREAS, OUTLET STRUCTURES, AND UNDERDRAINS ONCE FINAL SEED HAS BEEN ESTABLISHED.
8. ANY EXISTING STORM INLETS IMPACTED BY THE NEW CONSTRUCTION ACTIVITY WILL NEED THE APPROPRIATE INLET PROTECTION FOR SEDIMENT CONTROL.
9. DIMENSIONS AND COORDINATES ARE TO FACE OF CURB OR FACE OF BUILDING UNLESS OTHERWISE NOTED.
10. EXTEND UTILITIES TO WITHIN 5'-0" OF FACE OF BUILDING UNLESS OTHERWISE NOTED. COORDINATE EXACT LOCATION WITH PLUMBING CONTRACTOR. FINAL CONNECTION BY PLUMBING CONTRACTOR.
11. MAXIMUM FINISH SLOPES SHALL BE 4:1 UNLESS OTHERWISE NOTED.
12. CONTRACTOR SHALL STRIP AND STOCKPILE EXISTING TOPSOIL THROUGHOUT THE SITE PRIOR TO EXCAVATION. UPON COMPLETION OF FINAL GRADING, PROVIDE 6 INCHES OF TOPSOIL AND SEED AREAS DISTURBED BY CONSTRUCTION, INCLUDING LAYDOWN AREAS AND TRAILER LOCATIONS IF LOCATED OUTSIDE THE GRADING/SEEDING LIMITS.
13. DISPOSE EXCESS EXCAVATED MATERIALS AND UNACCEPTABLE/UNSUITABLE SOILS OFF SITE IN ACCORDANCE WITH LOCAL CODES. NO PERMANENT STOCKPILES WILL REMAIN ON SITE.
14. EXISTING VALVES, MANHOLES, AND OTHER APPURTANCES TO REMAIN LOCATED WITHIN THE WORK LIMITS SHALL BE ADJUSTED TO FINISH GRADE.
15. OUTLET CURB UNDERDRAINS TO ADJACENT EXISTING UNDERDRAINS OR STORM SEWER SYSTEM.
16. EXPOSE UTILITIES NOTED THUS: **EXPOSE** PRIOR TO BEGINNING WORK ON THAT UTILITY TO DETERMINE EFFECTS ON THE PROPOSED ALIGNMENT AND PROFILE. REPORT ELEVATION AND LOCATION TO THE ENGINEER IN ORDER THAT ANY CORRECTIONS TO THE ELEVATION AND LOCATION CAN BE MADE.
17. CONCRETE ADJACENT TO BUILDING SHALL BE SLOPED AWAY FROM BUILDING AT 2.0% UNLESS OTHERWISE NOTED.
18. ROOF DRAINS, FOUNDATION DRAINS, AND OTHER CLEAN WATER CONNECTIONS TO THE SANITARY SEWER ARE PROHIBITED.
19. ADD 700' TO SPOT ELEVATIONS TO OBTAIN U.S.G.S. ELEVATIONS.

EASEMENT REFERENCE				REVISIONS		
CITY NO.	COUNTY RECORDER VOL.	COUNTY RECORDER PAGE	GRANTOR	NO.	DESCRIPTION	APPROVAL/DATE

PLAN PREPARED BY:

KORDA
Korda/Nemeth Engineering, Inc - Consulting Engineers
1650 Watermark Drive, Suite 200 - Columbus, Ohio 43215-7010
TEL 614-487-1650 - FAX 614-487-8981 - WEB www.korda.com

OVERALL STORM SEWER & GRADING PLAN

PROJECT TITLE

PRIVATE STORM SEWER AND STORMWATER FACILITIES FOR CMHA REFUGEE ROAD 3355 REFUGEE ROAD

DIVISION USE ONLY				OWNER			
				CONTRACTOR			
				INSPECTOR			
				AGREEMENT	COMPLETED		
				RPD	CKD	CID	CON.DR.
				INDEX DETAIL		RECORD FILE	

CITY OF COLUMBUS, OHIO
DEPARTMENT OF PUBLIC UTILITIES
DIVISION OF SEWERAGE AND DRAINAGE
DIVISION USE ONLY

SCALE: HORIZ 1" = 60'-0" VERT 1" = N/A
SHEET: 4 / 25
CONTRACT DRAWING NO. CC-20647
RECORD PLAN NO.

#	DATE	CHANGE DESCRIPTION
1	05/30/2025	ADDENDUM# 01
1	06/25/2025	ADDENDUM# 02

COLUMBUS METROPOLITAN HOUSING AUTHORITY
COMMUNITY, COMMITMENT, COLLABORATION.

THE FALLS ON REFUGEE ROAD
3355 REFUGEE ROAD. COLUMBUS, OH 43232
FOR
CMHA

300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: 614-461-4664
Moody Nolan
CERT. NO: FIRM 00197475

DRAWING TITLE:
OVERALL STORM SEWER & GRADING PLAN

PROGRESS DRAWING NOT FOR CONSTRUCTION

05/01/2025
23446
C204
CD PROGRESS SET

KORDA
KORDA: NEMETH ENGINEERING
1650 WATERMARK DRIVE
SUITE 200
COLUMBUS, OHIO 43215

DRAWN BY:	EAM
DESIGNED BY:	EAM
CHECKED BY:	EJW
PROJECT NUMBER:	2022-0431

File: H:\Projects\2022\2022-0417_00 Columbus Metropolitan Housing Authority - Refugee Road\Civil\Drawings\Plotsheets\C204 OVERALL STORM SEWER & GRADING PLAN.dwg Saved Date: 25-Jun-2025 11:12 AM Plot Date: 11:13 AM Saved By: CHERROTT
REVIT VERSION: 2023
PRINT DATE: 6/25/2025 11:12 AM
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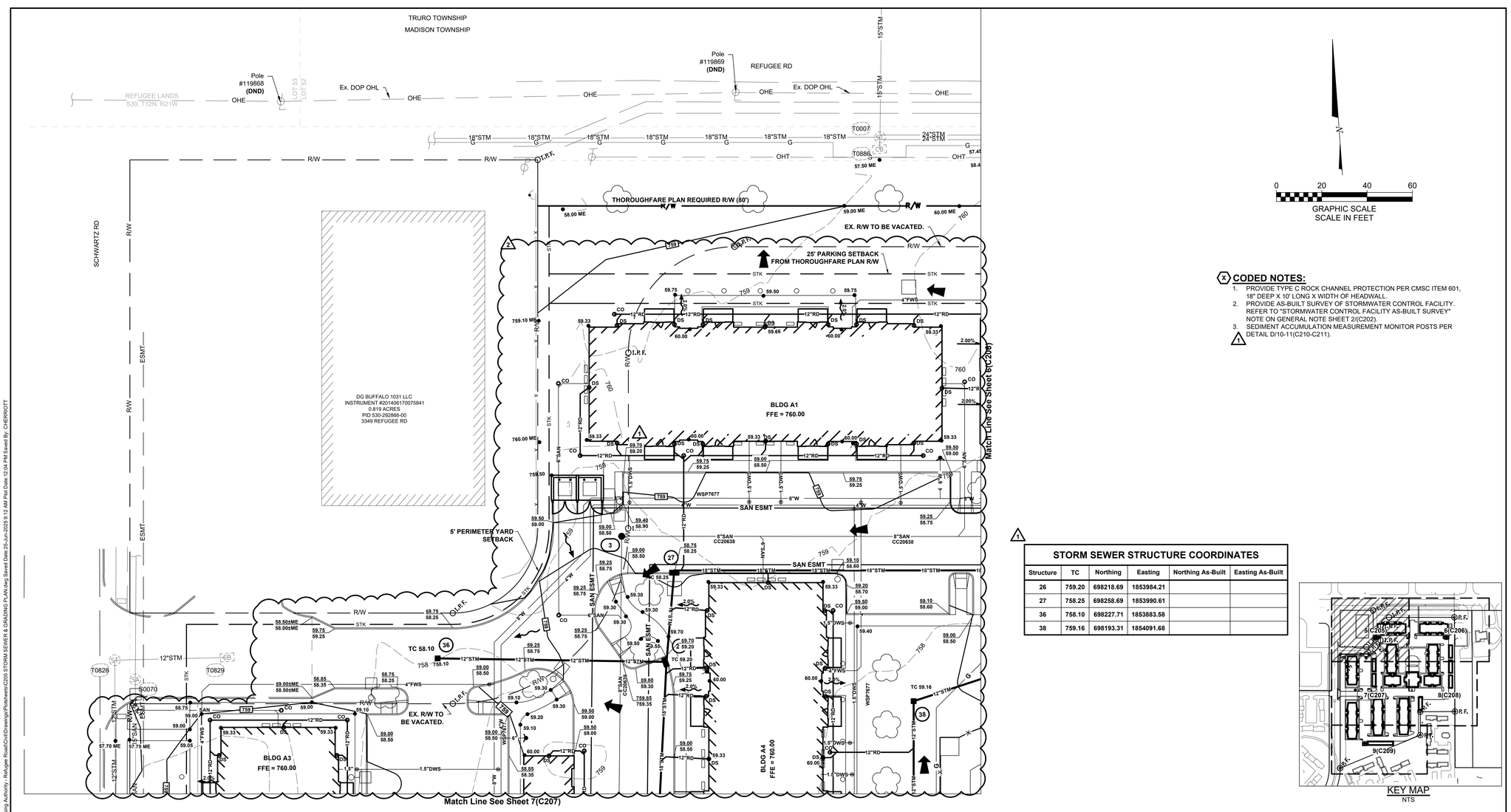

0 20 40 60
GRAPHIC SCALE
SCALE IN FEET

CODED NOTES:

1. PROVIDE TYPE C ROCK CHANNEL PROTECTION PER CMSC ITEM 601, 18" DEEP X 10' LONG X WIDTH OF HEADWALL.
2. PROVIDE AS-BUILT SURVEY OF STORMWATER CONTROL FACILITY. REFER TO "STORMWATER CONTROL FACILITY AS-BUILT SURVEY" NOTE ON GENERAL NOTE SHEET 2/(C202).
3. SEDIMENT ACCUMULATION MEASUREMENT MONITOR POSTS PER DETAIL D/10-11(C210-C211).

1

STORM SEWER STRUCTURE COORDINATES

Structure	TC	Northing	Easting	Northing As-Built	Easting As-Built
26	759.20	698218.69	1853984.21		
27	758.25	698258.69	1853990.61		
36	758.10	698227.71	1853883.58		
38	759.16	698193.31	1854091.68		

EASEMENT REFERENCE			
CITY NO.	COUNTY RECORDER VOL.	COUNTY RECORDER PAGE	GRANTOR

NO.	REVISIONS DESCRIPTION	APPROVAL/DATE

PLAN PREPARED BY:

KORDA
Korda/Nemeth Engineering, Inc - Consulting Engineers
1650 Watermark Drive, Suite 200 - Columbus, Ohio 43215-7010
TEL 614-487-1650 - FAX 614-487-9981 - WEB www.korda.com

STORM SEWER & GRADING PLAN

PROJECT TITLE

PRIVATE STORM SEWER AND STORMWATER FACILITIES FOR CMHA REFUGEE ROAD 3355 REFUGEE ROAD

DIVISION USE ONLY	OWNER
	CONTRACTOR
	INSPECTOR
	AGREEMENT / COMPLETED
RPD / CKD / CID / CON.DR.	
INDEX DETAIL / RECORD FILE	

CITY OF COLUMBUS, OHIO
DEPARTMENT OF PUBLIC UTILITIES
DIVISION OF SEWERAGE AND DRAINAGE
DIVISION USE ONLY

SCALE: HORIZ 1" = 20'-0" VERT 1" = N/A
SHEET: 5 / 25
CONTRACT DRAWING NO.: CC-20647
RECORD PLAN NO.:

#	DATE	CHANGE DESCRIPTION
1	05/30/2025	ADDENDUM# 01
1	06/25/2025	ADDENDUM# 02

COLUMBUS METROPOLITAN HOUSING AUTHORITY
COMMUNITY. COMMITMENT. COLLABORATION.

THE FALLS ON REFUGEE ROAD
3355 REFUGEE ROAD. COLUMBUS, OH 43232
FOR
CMHA

Moody Nolan
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: 614-461-4664
CERT. NO: FIRM 00197475

DRAWING TITLE:
STORM SEWER & GRADING PLAN

KORDA
KORDA/NEMETH ENGINEERING
1650 WATERMARK DRIVE
SUITE 200
COLUMBUS, OHIO 43215

DRAWN BY:	EAM
DESIGNED BY:	EAM
CHECKED BY:	EJW
PROJECT NUMBER:	2022-0431

PROGRESS DRAWING NOT FOR CONSTRUCTION

05/01/2025
23446
C205
CD PROGRESS SET

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REVIT VERSION: 2023
PRINT DATE: 6/25/2025 9:12 AM
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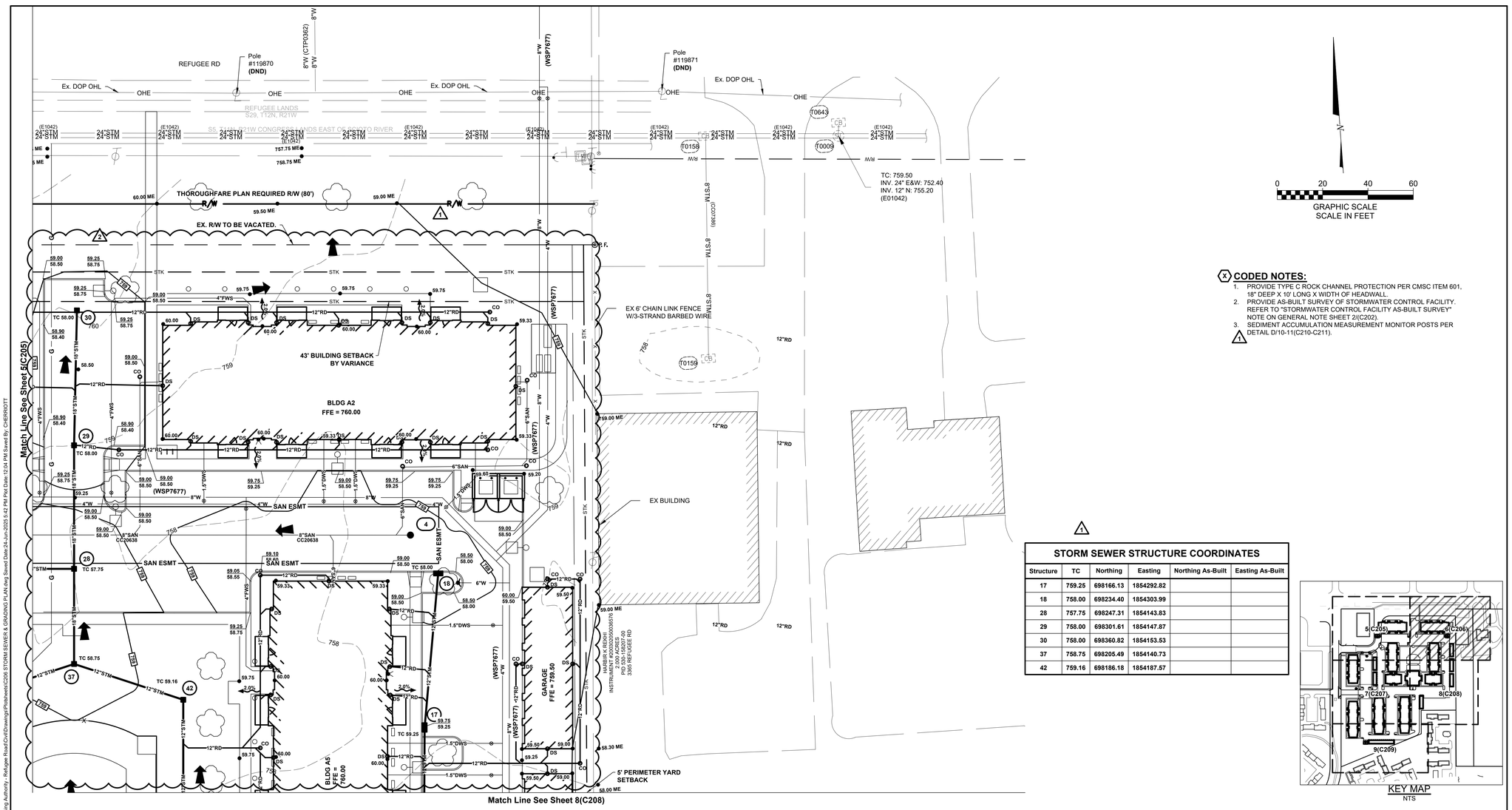

0 20 40 60
GRAPHIC SCALE
SCALE IN FEET

CODED NOTES:

1. PROVIDE TYPE C ROCK CHANNEL PROTECTION PER CMSC ITEM 601, 18" DEEP X 10' LONG X WIDTH OF HEADWALL.
2. PROVIDE AS-BUILT SURVEY OF STORMWATER CONTROL FACILITY. REFER TO "STORMWATER CONTROL FACILITY AS-BUILT SURVEY" NOTE ON GENERAL NOTE SHEET 2/(C202).
3. SEDIMENT ACCUMULATION MEASUREMENT MONITOR POSTS PER DETAIL D/10-11(C210-C211).

STORM SEWER STRUCTURE COORDINATES

Structure	TC	Northing	Easting	Northing As-Built	Easting As-Built
17	759.25	698166.13	1854292.82		
18	758.00	698234.40	1854303.99		
28	757.75	698247.31	1854143.83		
29	758.00	698301.61	1854147.87		
30	758.00	698360.82	1854153.53		
37	758.75	698205.49	1854140.73		
42	759.16	698186.18	1854187.57		

KEY MAP
NTS

EASEMENT REFERENCE				REVISIONS		
CITY NO.	COUNTY RECORDER VOL.	COUNTY RECORDER PAGE	GRANTOR	NO.	DESCRIPTION	APPROVAL/DATE

PLAN PREPARED BY:
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Korda/Nemeth Engineering, Inc - Consulting Engineers
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TEL 614-487-1650 - FAX 614-487-8981 - WEB www.korda.com

STORM SEWER & GRADING PLAN

PROJECT TITLE
PRIVATE STORM SEWER AND STORMWATER FACILITIES FOR CMHA REFUGEE ROAD 3355 REFUGEE ROAD

DIVISION USE ONLY				OWNER
				CONTRACTOR
				INSPECTOR
				AGREEMENT / COMPLETED
RPD	CKD	CID	CON.DR.	
				INDEX DETAIL / RECORD FILE

CITY OF COLUMBUS, OHIO
DEPARTMENT OF PUBLIC UTILITIES
DIVISION OF SEWERAGE AND DRAINAGE
DIVISION USE ONLY

SCALE: HORIZ 1" = 20'-0" VERT 1" = N/A
SHEET: 6 / 25
CONTRACT DRAWING NO.: CC-20647
RECORD PLAN NO.:

#	DATE	CHANGE DESCRIPTION
1	05/30/2025	ADDENDUM# 01
1	06/25/2025	ADDENDUM# 02

COLUMBUS METROPOLITAN HOUSING AUTHORITY
COMMUNITY, COMMITMENT, COLLABORATION.

THE FALLS ON REFUGEE ROAD
3355 REFUGEE ROAD. COLUMBUS, OH 43232
FOR
CMHA

Moody Nolan
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: 614-461-4664
CERT. NO: FIRM 00197475

DRAWING TITLE:
STORM SEWER & GRADING PLAN

KORDA
KORDA: NEMETH ENGINEERING
1650 WATERMARK DRIVE
SUITE 200
COLUMBUS, OHIO 43215

DRAWN BY: EAM
DESIGNED BY: EAM
CHECKED BY: EJW
PROJECT NUMBER: 2022-0431

PROGRESS DRAWING NOT FOR CONSTRUCTION

05/01/2025
23446
C206
CD PROGRESS SET

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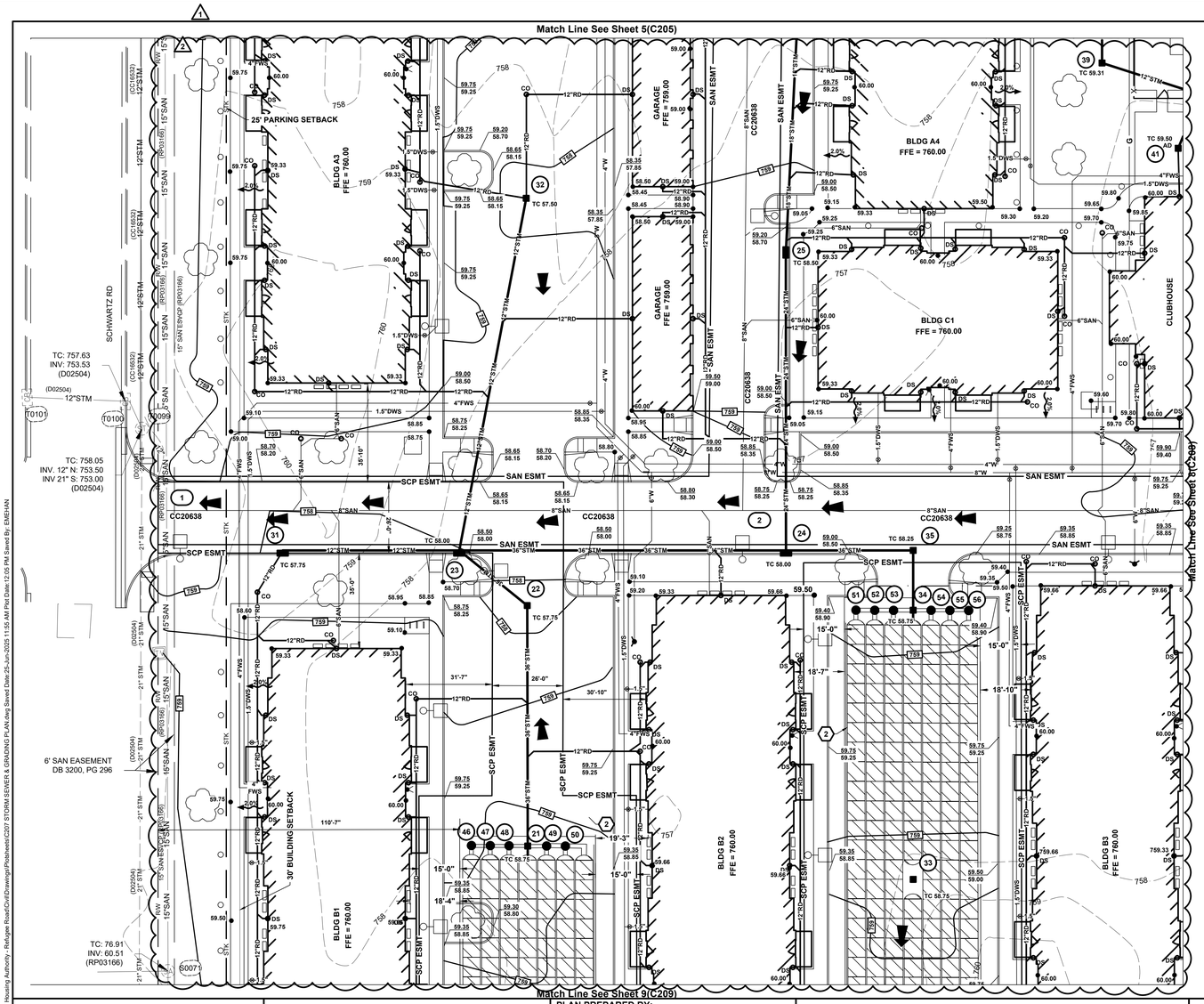
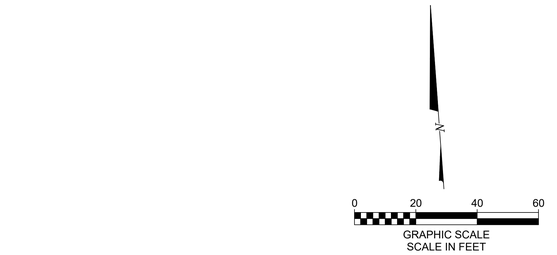


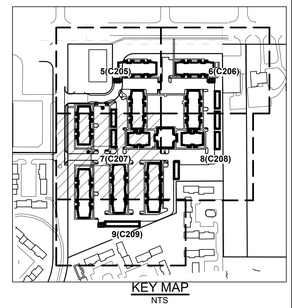


CODED NOTES:

1. PROVIDE TYPE C ROCK CHANNEL PROTECTION PER CMSC ITEM 601, 18" DEEP X 10' LONG X WIDTH OF HEADWALL.
2. PROVIDE AS-BUILT SURVEY OF STORMWATER CONTROL FACILITY. REFER TO "STORMWATER CONTROL FACILITY AS-BUILT SURVEY" NOTE ON GENERAL NOTE SHEET 2/(C202).
3. SEDIMENT ACCUMULATION MEASUREMENT MONITOR POSTS PER DETAIL D/10-11(C210-C211).

STORM SEWER STRUCTURE COORDINATES

Structure	TC	Northing	Easting	Northing As-Built	Easting As-Built
21	758.75	697872.94	1853856.84		
22	757.75	697960.81	1853863.20		
23	758.00	697982.79	1853839.87		
24	758.50	697973.92	1853959.24		
25	758.50	698082.81	1853967.29		
31	757.75	697987.58	1853775.33		
32	757.50	698109.64	1853873.88		
33	758.75	697850.28	1853996.79		
34	758.75	697948.62	1854004.10		
35	758.25	697970.46	1854005.72		
39	759.00	698143.41	1854087.97		
46	759.10	697874.65	1853836.32		
47	759.00	697874.10	1853843.18		
48	758.85	697873.54	1853850.04		
49	758.85	697872.44	1853863.76		
50	758.95	697871.89	1853870.62		
51	759.20	697950.19	1853983.21		
52	759.10	697949.64	1853990.07		
53	758.90	697949.09	1853996.93		
54	758.85	697948.10	1854010.66		
55	758.90	697947.55	1854017.52		
56	759.10	697947.00	1854024.38		



KEY MAP
NTS

EASEMENT REFERENCE

CITY NO.	COUNTY RECORDER VOL.	COUNTY RECORDER PAGE	GRANTOR

REVISIONS

NO.	DESCRIPTION	APPROVAL/DATE

PLAN PREPARED BY:

KORDA
Korda/Nemeth Engineering, Inc - Consulting Engineers
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TEL 614-487-1650 - FAX 614-487-8981 - WEB www.korda.com

STORM SEWER & GRADING PLAN

PROJECT TITLE

PRIVATE STORM SEWER AND STORMWATER FACILITIES FOR CMHA REFUGEE ROAD 3355 REFUGEE ROAD

DIVISION USE ONLY	OWNER
	CONTRACTOR
	INSPECTOR
	AGREEMENT / COMPLETED
	RPD / CKD / CID / CON.DR.
	INDEX DETAIL / RECORD FILE

CITY OF COLUMBUS, OHIO
DEPARTMENT OF PUBLIC UTILITIES
DIVISION OF SEWERAGE AND DRAINAGE
DIVISION USE ONLY

SCALE: HORIZ 1" = 20'-0" VERT 1" = N/A

SHEET: 7 / 25

CONTRACT DRAWING NO. CC-20647

RECORD PLAN NO.

#	DATE	CHANGE DESCRIPTION
1	05/30/2025	ADDENDUM# 01
1	06/25/2025	ADDENDUM# 02

COLUMBUS METROPOLITAN HOUSING AUTHORITY
COMMUNITY, COMMUNITY, COLLABORATION

THE FALLS ON REFUGEE ROAD
3355 REFUGEE ROAD, COLUMBUS, OH 43232
FOR
CMHA

Moody Nolan
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: 614-461-4664
CERT. NO: FIRM 00197475

DRAWING TITLE:
STORM SEWER & GRADING PLAN

PROGRESS DRAWING NOT FOR CONSTRUCTION

05/01/2025

23446

C207

CD PROGRESS SET

KORDA
KORDA/NEMETH ENGINEERING
1650 WATERMARK DRIVE
SUITE 200
COLUMBUS, OHIO 43215

DRAWN BY: EAM
DESIGNED BY: EAM
CHECKED BY: EJW
PROJECT NUMBER: 2022-0431

REVIT VERSION: 2023
PRINT DATE: 6/25/2025 11:55 AM
FILE INFO: Autodesk Docs://24254 CMHA Aspire Housing- R23/24254_CMHA Aspire Housing_ARCH_R23.rvt

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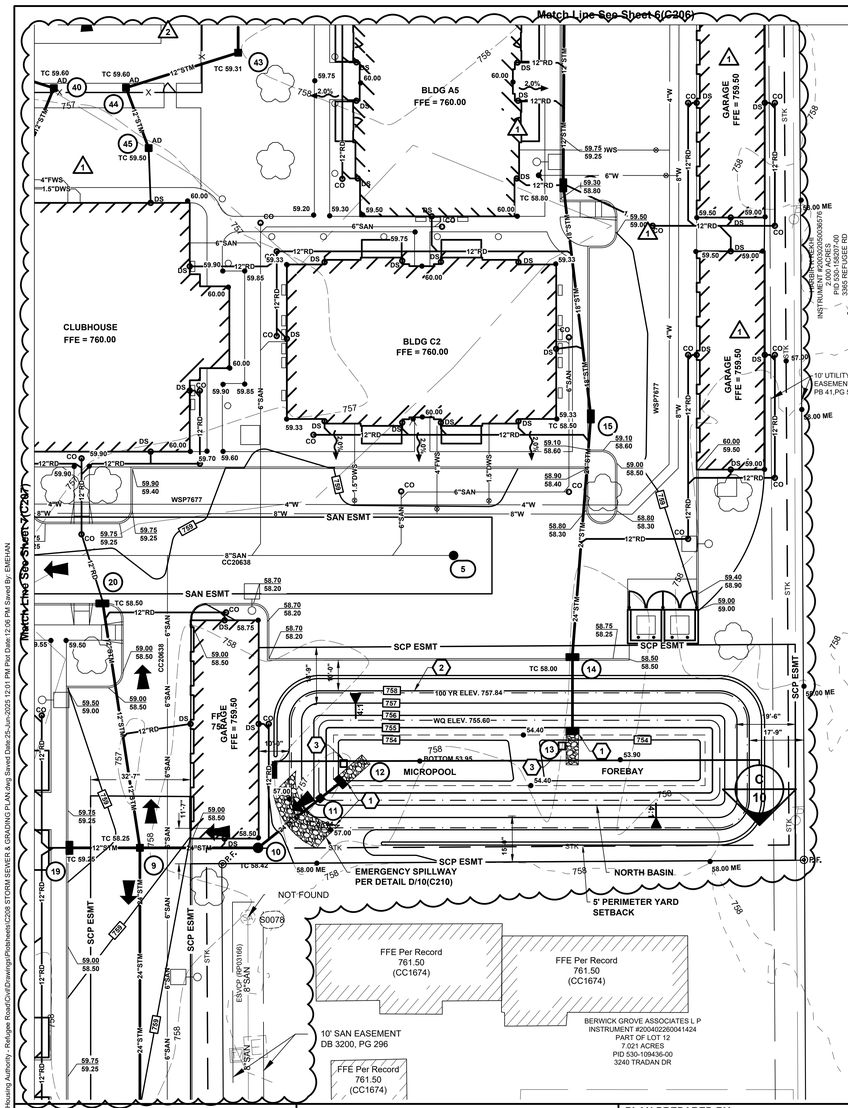


0 20 40 60

GRAPHIC SCALE
SCALE IN FEET

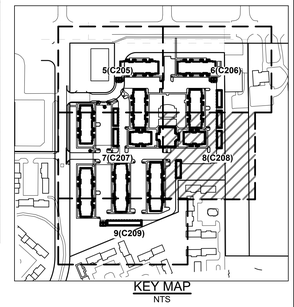
ⓧ CODED NOTES:

1. PROVIDE TYPE C ROCK CHANNEL PROTECTION PER CMSC ITEM 601, 18" DEEP X 10' LONG X WIDTH OF HEADWALL.
2. PROVIDE AS-BUILT SURVEY OF STORMWATER CONTROL FACILITY. REFER TO "STORMWATER CONTROL FACILITY AS-BUILT SURVEY" NOTE ON GENERAL NOTE SHEET 2/(C202).
3. SEDIMENT ACCUMULATION MEASUREMENT MONITOR POSTS PER DETAIL D/10-11(C210-C211).

⚠1

STORM SEWER STRUCTURE COORDINATES

Structure	TC	Northing	Easting	Northing As-Built	Easting As-Built
9	758.25	697880.11	1854132.70		
10	758.42	697877.26	1854171.12		
11	757.84	697891.84	1854192.55		
12	755.14	697896.71	1854199.64		
13	756.40	697908.82	1854276.21		
14	758.00	697931.68	1854277.97		
15	758.50	698009.50	1854289.77		
16	758.80	698085.33	1854286.38		
19	759.25	697881.82	1854109.79		
20	758.50	697961.49	1854126.47		
43	759.00	698136.29	1854183.86		
44	759.60	698127.62	1854146.55		
45	759.50	698107.45	1854152.45		



KEY MAP
NTS

EASEMENT REFERENCE			
CITY NO.	COUNTY RECORDER VOL.	COUNTY RECORDER PAGE	GRANTOR

REVISIONS		
NO.	DESCRIPTION	APPROVAL/DATE

PLAN PREPARED BY:

KORDA
Korda/Nemeth Engineering, Inc - Consulting Engineers
1650 Watermark Drive, Suite 200 - Columbus, Ohio 43215-7010
TEL 614-487-1650 - FAX 614-487-8981 - WEB www.korda.com

STORM SEWER & GRADING PLAN

PROJECT TITLE

PRIVATE STORM SEWER AND STORMWATER FACILITIES FOR
CMHA REFUGEE ROAD
3355 REFUGEE ROAD

DIVISION USE ONLY	OWNER
	CONTRACTOR
	INSPECTOR
	AGREEMENT / COMPLETED
	RPD / CKD / CID / CON.DR.
	INDEX DETAIL / RECORD FILE

CITY OF COLUMBUS, OHIO
DEPARTMENT OF PUBLIC UTILITIES
DIVISION OF SEWERAGE AND DRAINAGE

DIVISION USE ONLY

SCALE: HORIZ 1" = 20'-0" VERT 1" = N/A

SHEET: 8 / 25

CONTRACT DRAWING NO.: CC-20647

RECORD PLAN NO.:

#	DATE	CHANGE DESCRIPTION
1	05/30/2025	ADDENDUM# 01
1	06/25/2025	ADDENDUM# 02

COLUMBUS METROPOLITAN HOUSING AUTHORITY
COMMUNITY. COMMITMENT. COLLABORATION.

THE FALLS ON REFUGEE ROAD
3355 REFUGEE ROAD. COLUMBUS, OH 43232
FOR
CMHA

Moody Nolan
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: 614-461-4664
CERT. NO: FIRM 00197475

DRAWING TITLE:
STORM SEWER & GRADING PLAN

KORDA
KORDA/NEMETH ENGINEERING
1650 WATERMARK DRIVE
SUITE 200
COLUMBUS, OHIO 43215

DRAWN BY:	EAM
DESIGNED BY:	EAM
CHECKED BY:	EJW
PROJECT NUMBER:	2022-0431

PROGRESS DRAWING NOT FOR CONSTRUCTION

05/01/2025

23446

C208

CD PROGRESS SET

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PRINT DATE: 6/25/2025 - 12:01 PM
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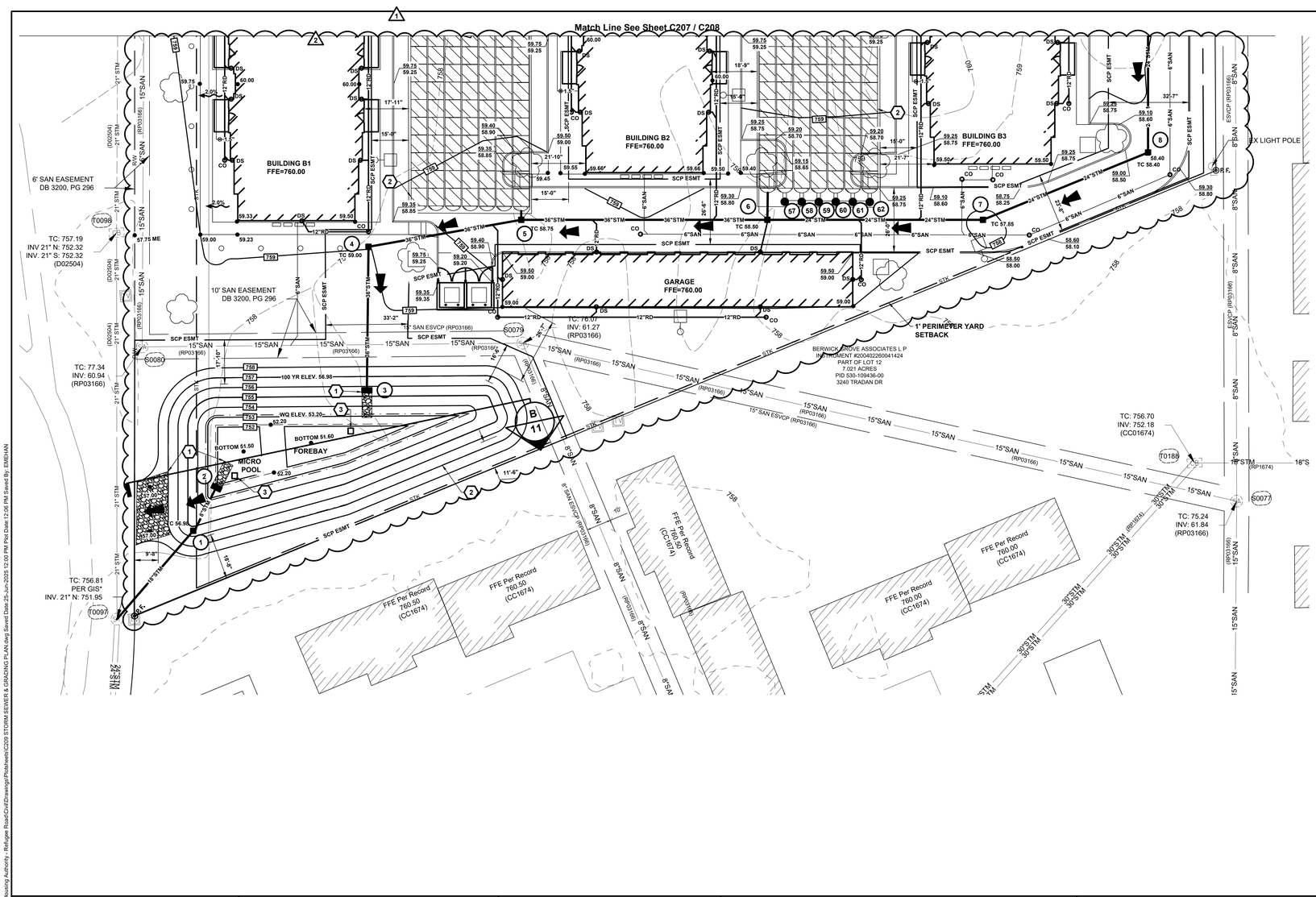

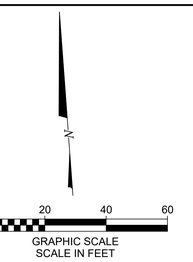

CODED NOTES:

1. PROVIDE TYPE C ROCK CHANNEL PROTECTION PER CMSC ITEM 601, 18" DEEP X 10' LONG X WIDTH OF HEADWALL.
2. PROVIDE AS-BUILT SURVEY OF STORMWATER CONTROL FACILITY. REFER TO "STORMWATER CONTROL FACILITY AS-BUILT SURVEY" NOTE ON GENERAL NOTE SHEET 2/(C202).
3. SEDIMENT ACCUMULATION MEASUREMENT MONITOR POSTS PER DETAIL D/10-11(C210-C211).

STORM SEWER STRUCTURE COORDINATES

Structure	TC	Northing	Easting	Northing As-Built	Easting As-Built
T0096	756.81	697597.48	1853693.34		
1	756.98	697630.85	1853726.76		
2	753.50	697648.45	1853737.96		
3	756.52	697683.38	1853801.12		
4	759.00	697740.17	1853806.01		
5	758.75	697746.45	1853868.45		
6	758.50	697739.07	1853967.77		
7	757.85	697732.61	1854054.75		
8	758.75	697754.84	1854123.39		
57	759.00	697745.83	1853975.32		
58	759.00	697745.28	1853982.18		
59	759.05	697744.73	1853989.05		
60	759.10	697744.30	1853995.92		
61	759.15	697743.74	1854002.78		
62	759.20	697743.19	1854009.64		

KEY MAP
NTS

EASEMENT REFERENCE				REVISIONS		
CITY NO.	COUNTY RECORDER VOL.	COUNTY RECORDER PAGE	GRANTOR	NO.	DESCRIPTION	APPROVAL/DATE

PLAN PREPARED BY:

KORDA
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TEL 614-487-1650 - FAX 614-487-8981 - WEB www.korda.com

STORM SEWER & GRADING PLAN

PROJECT TITLE

PRIVATE STORM SEWER AND STORMWATER FACILITIES FOR CMHA REFUGEE ROAD 3355 REFUGEE ROAD

DIVISION USE ONLY				OWNER
				CONTRACTOR
				INSPECTOR
				AGREEMENT / COMPLETED
				RPD / CKD / CID / CON.DR.
				INDEX DETAIL / RECORD FILE

CITY OF COLUMBUS, OHIO
DEPARTMENT OF PUBLIC UTILITIES
DIVISION OF SEWERAGE AND DRAINAGE
DIVISION USE ONLY

SCALE: HORIZ 1" = 20'-0" VERT 1" = N/A
SHEET: 9 / 25
CONTRACT DRAWING NO. CC-20647
RECORD PLAN NO.

#	DATE	CHANGE DESCRIPTION
1	05/30/2025	ADDENDUM# 01
1	06/25/2025	ADDENDUM# 02

COLUMBUS METROPOLITAN HOUSING AUTHORITY
COMMUNITY. COMMITMENT. COLLABORATION.

THE FALLS ON REFUGEE ROAD
3355 REFUGEE ROAD, COLUMBUS, OH 43232
FOR
CMHA

Moody Nolan
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: 614-461-4664
CERT. NO: FIRM 00197475

DRAWING TITLE:
STORM SEWER & GRADING PLAN

PROGRESS DRAWING NOT FOR CONSTRUCTION

05/01/2025
23446
C209
CD PROGRESS SET

KORDA
KORDA/NEMETH ENGINEERING
1650 WATERMARK DRIVE
SUITE 200
COLUMBUS, OHIO 43215

DRAWN BY:	EAM
DESIGNED BY:	EAM
CHECKED BY:	EJW
PROJECT NUMBER:	2022-0431

File: H:\Projects\2022\2022-0431_00 Columbus Metropolitan Housing Authority - Refugee Road\Civil\Drawings\Plotsheets\C209 STORM SEWER & GRADING PLAN.dwg Saved Date:25-Jun-2025 12:00 PM Print Date 12:00 PM Saved By: EMEHAN
REVIT VERSION: 2023
PRINT DATE: 6/25/2025 12:00 PM
FILE INFO: Autodesk Docs://2022-0431-CMHA Aspire Housing- R23/22431_CMHA Aspire Housing_ARCH_R23.rvt

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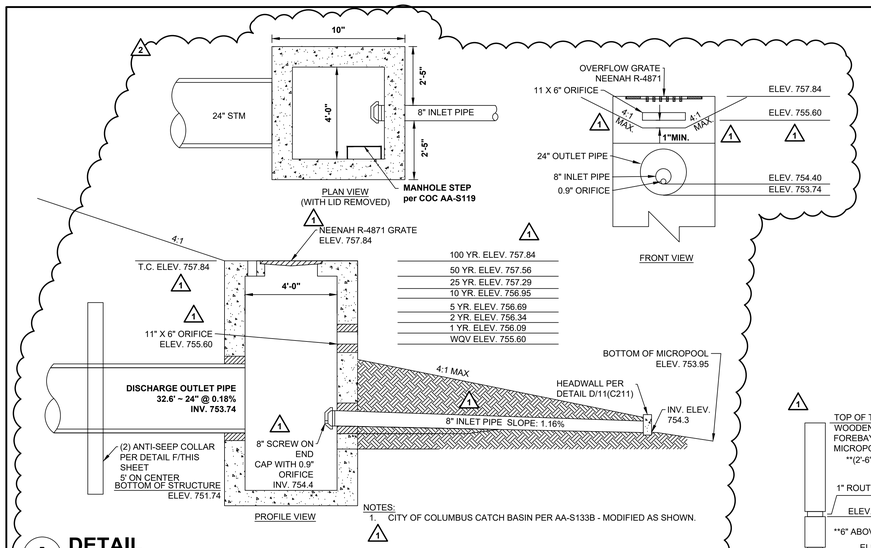
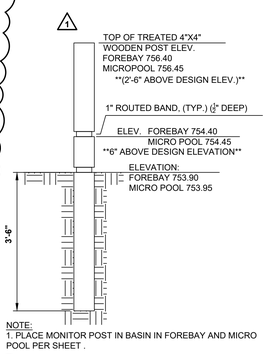
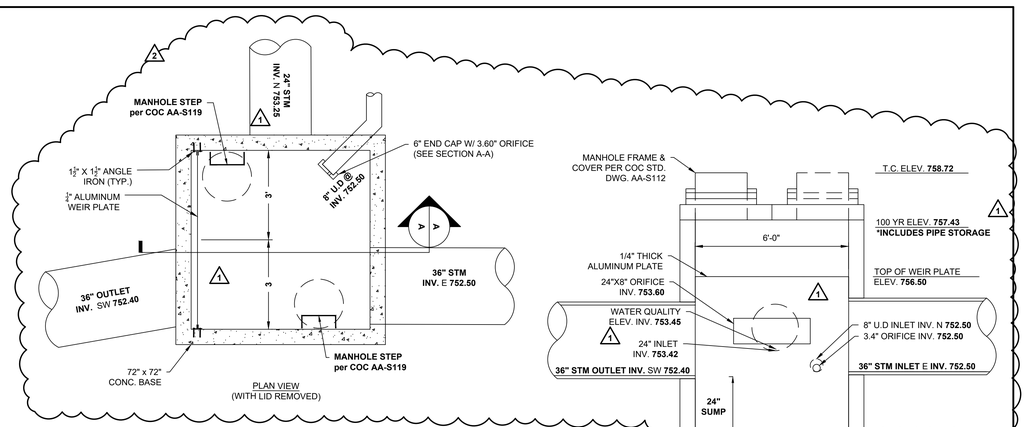


A DETAIL
OUTLET CONTROL STRUCTURE 11 FOR NORTH BASIN N.T.S.



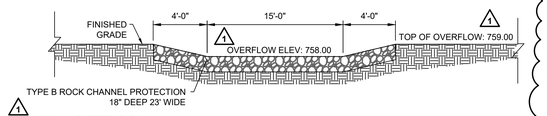
NOTE:
1. PLACE MONITOR POST IN BASIN IN FOREBAY AND MICRO POOL PER SHEET .

D DETAIL
SEDIMENT ACCUMULATION MEASUREMENT MONITOR POST FOR NORTH BASIN N.T.S.

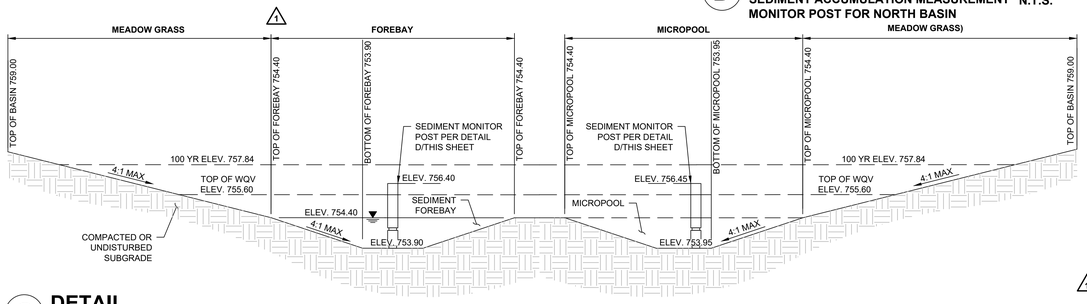


NOTES:
1. 60"X60" PRECAST CONCRETE BASE WITH SLAB TOP AND MANHOLE FRAME AND LID PER ODOT SCD MH-1.2 MODIFIED.
2. SECURELY ANCHOR 1½"X1½" ANGLE IRONS TO CATCH BASIN WALLS WITH STAINLESS STEEL BOLTS (3 PER ANGLE IRON) SET IN EXPANDABLE GROUT.
3. SET ALUMINUM PLATE BETWEEN ANGLE IRONS AND SECURE WITH STAINLESS STEEL NUTS AND BOLTS (3 PER ANGLE IRON). CAULK AS NECESSARY FOR A WATERTIGHT SEAL.

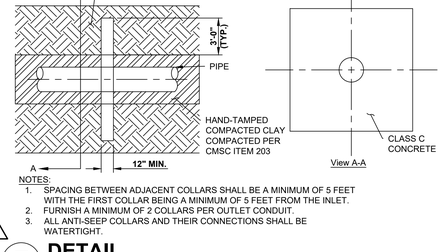
B DETAIL
OUTLET CONTROL STRUCTURE 5 N.T.S.



E DETAIL
OVERFLOW SPILLWAY FOR NORTH BASIN N.T.S.

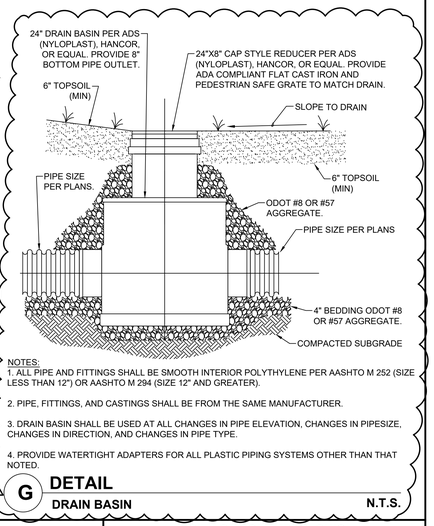


C DETAIL
EXTENDED DRY BASIN W/ FOREBAY AND MICROPOOL TYPICAL SECTION FOR NORTH POND N.T.S.



NOTES:
1. SPACING BETWEEN ADJACENT COLLARS SHALL BE A MINIMUM OF 5 FEET WITH THE FIRST COLLAR BEING A MINIMUM OF 5 FEET FROM THE INLET.
2. FURNISH A MINIMUM OF 2 COLLARS PER OUTLET CONDUIT.
3. ALL ANTI-SEEP COLLARS AND THEIR CONNECTIONS SHALL BE WATERTIGHT.

F DETAIL
ANTI-SEEP COLLAR N.T.S.



NOTES:
1. ALL PIPE AND FITTINGS SHALL BE SMOOTH INTERIOR POLYTHYLENE PER AASHTO M 252 (SIZE LESS THAN 12") OR AASHTO M 294 (SIZE 12" AND GREATER).
2. PIPE, FITTINGS, AND CASTINGS SHALL BE FROM THE SAME MANUFACTURER.
3. DRAIN BASIN SHALL BE USED AT ALL CHANGES IN PIPE ELEVATION, CHANGES IN PIPESIZE, CHANGES IN DIRECTION, AND CHANGES IN PIPE TYPE.
4. PROVIDE WATERTIGHT ADAPTERS FOR ALL PLASTIC PIPING SYSTEMS OTHER THAN THAT NOTED.

G DETAIL
DRAIN BASIN N.T.S.

EASEMENT REFERENCE			
CITY NO.	COUNTY RECORDER VOL.	COUNTY RECORDER PAGE	GRANTOR

REVISIONS		
NO.	DESCRIPTION	APPROVAL/DATE

PLAN PREPARED BY:
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STORM SEWER DETAILS

PROJECT TITLE
PRIVATE STORM SEWER AND STORMWATER FACILITIES FOR
CMHA REFUGEE ROAD
3355 REFUGEE ROAD

CITY OF COLUMBUS, OHIO
DEPARTMENT OF PUBLIC UTILITIES
DIVISION OF SEWERAGE AND DRAINAGE
DIVISION USE ONLY

DIVISION USE ONLY	OWNER
	CONTRACTOR
	INSPECTOR

AGREEMENT	COMPLETED
RPD / CKD	CID / CON.DR.
INDEX DETAIL	RECORD FILE

SCALE: HORIZ 1" = N/A VERT 1" = N/A
SHEET: 10 / 25
CONTRACT DRAWING NO. CC-20647
RECORD PLAN NO.

#	DATE	CHANGE DESCRIPTION
1	05/30/2025	ADDENDUM# 01
1	06/25/2025	ADDENDUM# 02

COLUMBUS METROPOLITAN HOUSING AUTHORITY
COMMUNITY. COMMITMENT. COLLABORATION.

THE FALLS ON REFUGEE ROAD
3355 REFUGEE ROAD, COLUMBUS, OH 43232
FOR
CMHA

300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: 614-461-4664
Moody Nolan
CERT. NO: FIRM 00197475

DRAWING TITLE:
STORM SEWER DETAILS

KORDA
KORDA/NEMETH ENGINEERING
1650 WATERMARK DRIVE
SUITE 200
COLUMBUS, OHIO 43215

DRAWN BY:	EAM
DESIGNED BY:	EAM
CHECKED BY:	EJW
PROJECT NUMBER:	2022-0431

PROGRESS DRAWING NOT FOR CONSTRUCTION

05/01/2025
23446
C210
CD PROGRESS SET

REVIT VERSION: 2023
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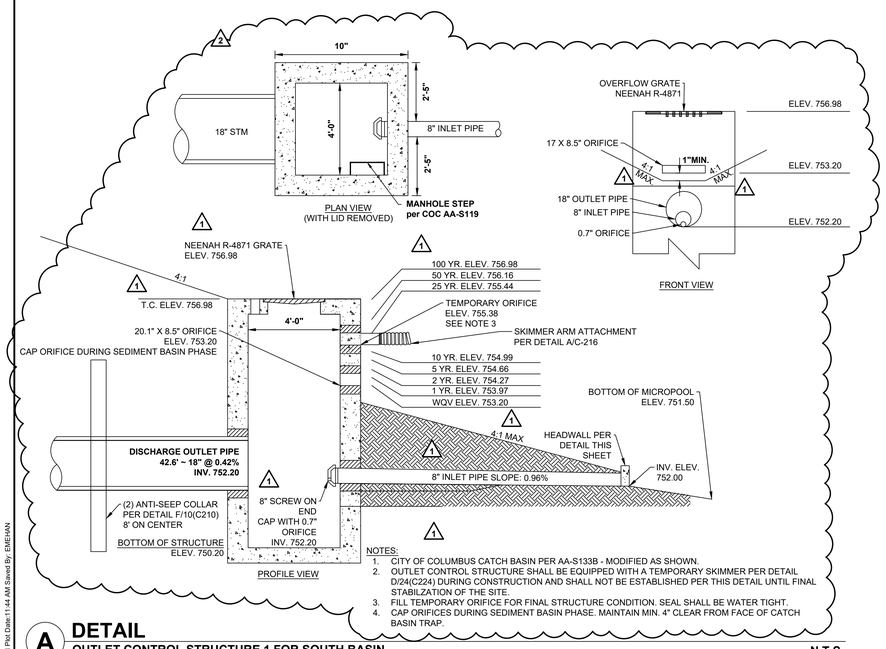
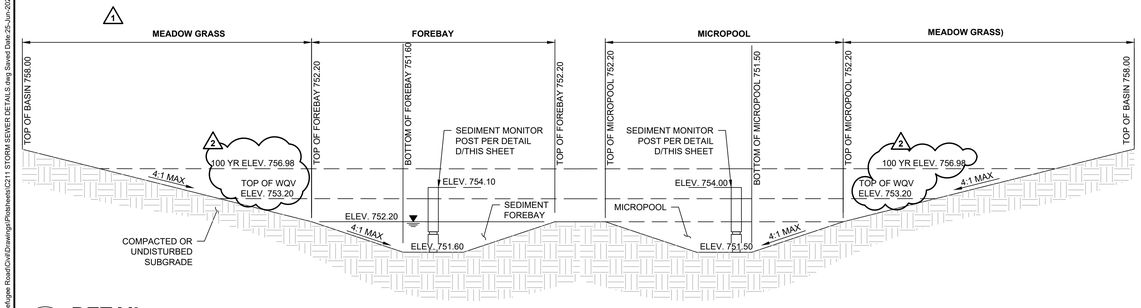
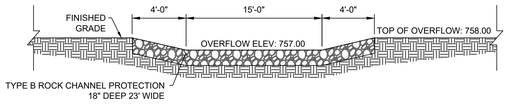


NOTES:
1. CITY OF COLUMBUS CATCH BASIN PER AA-S133B - MODIFIED AS SHOWN.
2. OUTLET CONTROL STRUCTURE SHALL BE EQUIPPED WITH A TEMPORARY SKIMMER PER DETAIL D/24(C224) DURING CONSTRUCTION AND SHALL NOT BE ESTABLISHED PER THIS DETAIL UNTIL FINAL STABILIZATION OF THE SITE.
3. FILL TEMPORARY ORIFICE FOR FINAL STRUCTURE CONDITION. SEAL SHALL BE WATER TIGHT.
4. CAP ORIFICES DURING SEDIMENT BASIN PHASE. MAINTAIN MIN. 4" CLEAR FROM FACE OF CATCH BASIN TRAP.

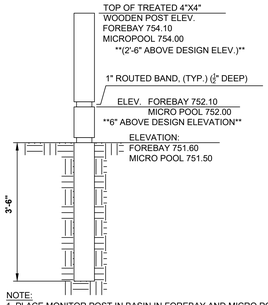
A DETAIL
OUTLET CONTROL STRUCTURE 1 FOR SOUTH BASIN N.T.S.



B DETAIL
EXTENDED DRY BASIN W/ FOREBAY AND MICROPOOL TYPICAL SECTION FOR SOUTH BASIN N.T.S.

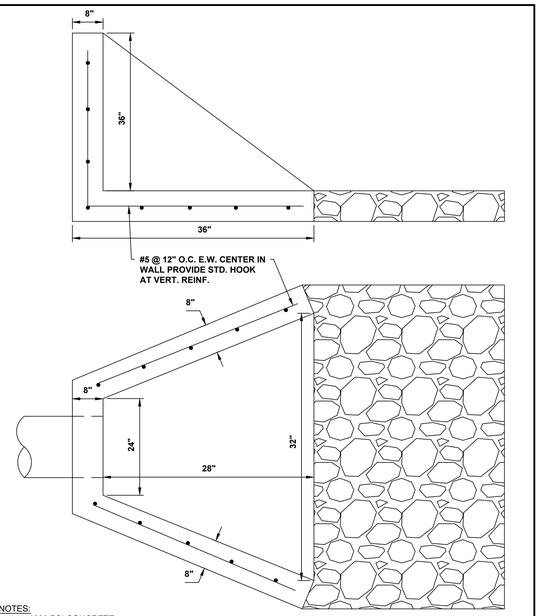


C DETAIL
OVERFLOW SPILLWAY FOR SOUTH BASIN N.T.S.



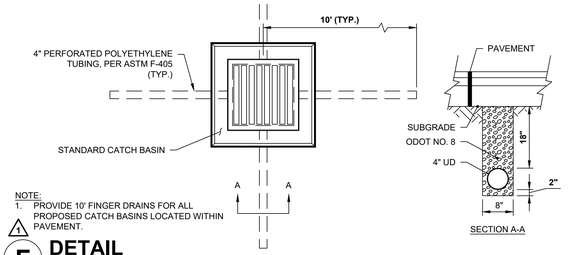
NOTE:
1. PLACE MONITOR POST IN BASIN IN FOREBAY AND MICRO POOL PER SHEET .

D DETAIL
SEDIMENT ACCUMULATION MEASUREMENT MONITOR POST FOR SOUTH POND FOR SOUTH BASIN N.T.S.



NOTES:
1. 4000 PSI CONCRETE.
2. #5 BAR 12" O.C. THROUGHOUT.
3. USE ODOT TYPE C ROCK CHANNEL PROTECTION.

E DETAIL
HEADWALL N.T.S.



NOTE:
1. PROVIDE 10' FINGER DRAINS FOR ALL PROPOSED CATCH BASINS LOCATED WITHIN PAVEMENT.

F DETAIL
PAVEMENT UNDERDRAIN N.T.S.

EASEMENT REFERENCE				REVISIONS		
CITY NO.	COUNTY RECORDER VOL.	COUNTY RECORDER PAGE	GRANTOR	NO.	DESCRIPTION	APPROVAL/DATE

PLAN PREPARED BY:
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STORM SEWER DETAILS

PROJECT TITLE
PRIVATE STORM SEWER AND STORMWATER FACILITIES FOR
CMHA REFUGEE ROAD
3355 REFUGEE ROAD

CITY OF COLUMBUS, OHIO
DEPARTMENT OF PUBLIC UTILITIES
DIVISION OF SEWERAGE AND DRAINAGE
DIVISION USE ONLY

DIVISION USE ONLY	OWNER
	CONTRACTOR
	INSPECTOR
	AGREEMENT / COMPLETED
RPD / CKD / CID / CON.DR.	
INDEX DETAIL / RECORD FILE	

SCALE: HORIZ 1" = N/A VERT 1" = N/A
SHEET: 11 / 25
CONTRACT DRAWING NO. CC-20647
RECORD PLAN NO.

#	DATE	CHANGE DESCRIPTION
1	05/30/2025	ADDENDUM# 01
1	06/25/2025	ADDENDUM# 02

COLUMBUS METROPOLITAN HOUSING AUTHORITY
COMMUNITY. COMMITMENT. COLLABORATION.

THE FALLS ON REFUGEE ROAD
3355 REFUGEE ROAD, COLUMBUS, OH 43232
FOR
CMHA

Moody Nolan
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: 614-461-4664
CERT. NO: FIRM 00197475

DRAWING TITLE:
STORM SEWER DETAILS

PROGRESS DRAWING NOT FOR CONSTRUCTION

05/01/2025
23446
C211
CD PROGRESS SET

KORDA
KORDA/NEMETH ENGINEERING
1650 WATERMARK DRIVE
SUITE 200
COLUMBUS, OHIO 43215

DRAWN BY: EAM
DESIGNED BY: EAM
CHECKED BY: EJW
PROJECT NUMBER: 2022-0431

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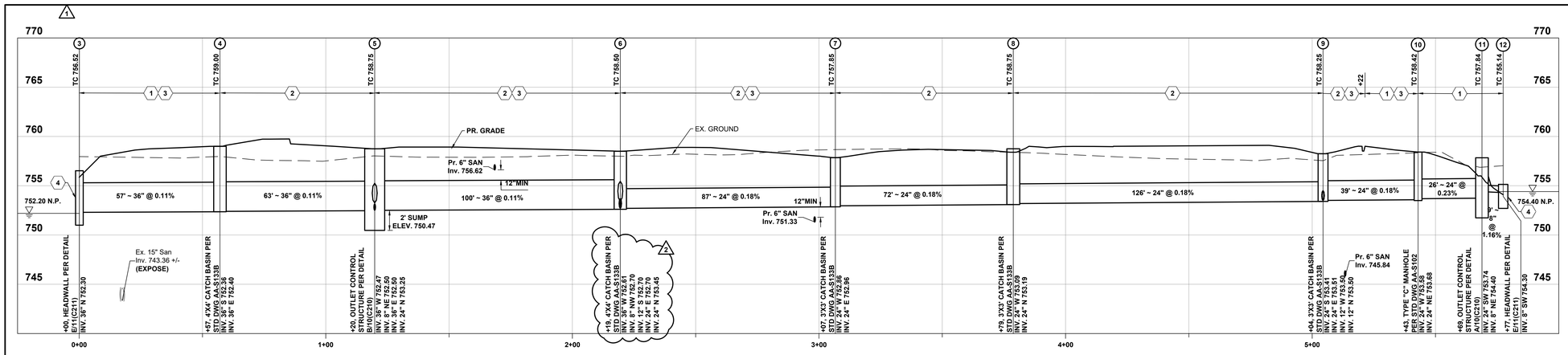

STORM 3-12 Profile
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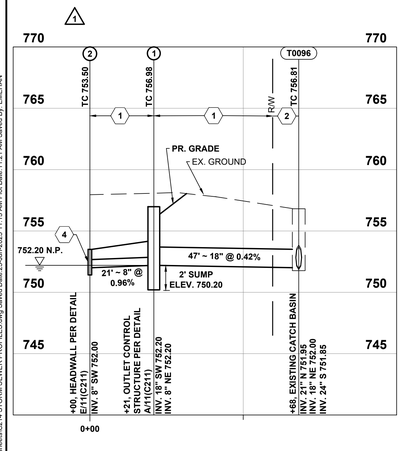

STORM T0096-2 Profile
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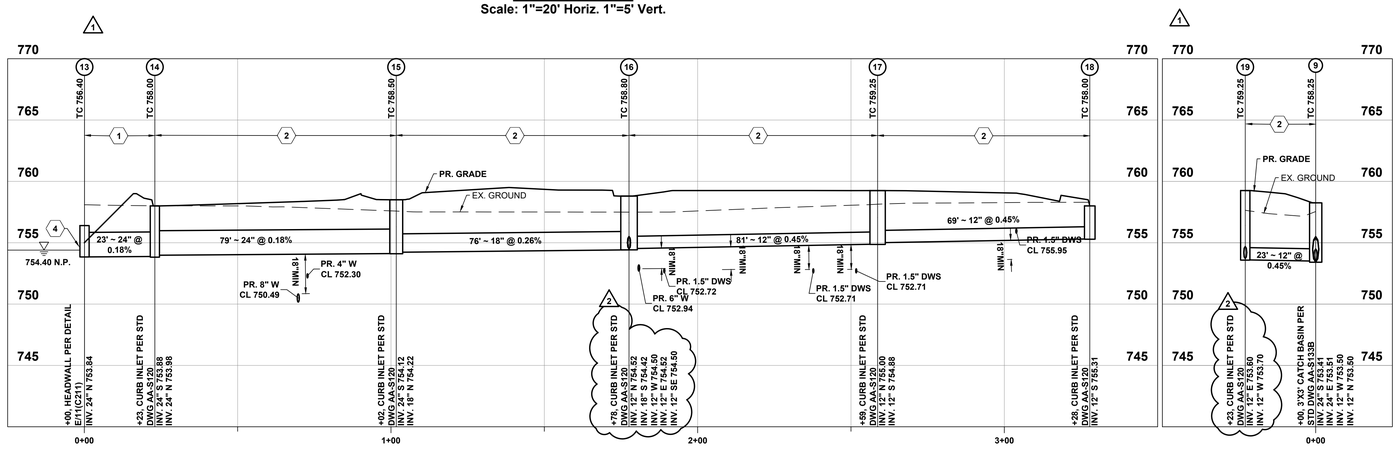

STORM 13-18 Profile
Scale: 1"=20' Horiz. 1"=5' Vert.

STORM 9-19 Profile
Scale: 1"=20' Horiz. 1"=5' Vert.

CODED NOTES:

1. BACKFILL WITH COMPACTED BACKFILL PER CMSC ITEM 911
2. BACKFILL WITH COMPACTED GRANULAR MATERIAL PER CMSC ITEM 912
3. SEWER PIPE TO HAVE WATERTIGHT JOINTS PER CMSC ITEM 901.15 AND TRENCH DAMS PER CMSC ITEM 901.
4. PROVIDE TYPE C ROCK CHANNEL PROTECTION PER CMSC ITEM 601, 18" DEEP X 10' LONG X WIDTH OF HEADWALL.

EASEMENT REFERENCE				REVISIONS		
CITY NO.	COUNTY RECORDER VOL.	COUNTY RECORDER PAGE	GRANTOR	NO.	DESCRIPTION	APPROVAL/DATE

PLAN PREPARED BY:
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Korda/Nemeth Engineering, Inc - Consulting Engineers
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TEL 614-487-1650 - FAX 614-487-8981 - WEB www.korda.com

STORM SEWER PROFILES

PROJECT TITLE
PRIVATE STORM SEWER AND STORMWATER FACILITIES FOR CMHA REFUGEE ROAD 3355 REFUGEE ROAD

DIVISION USE ONLY | OWNER | CONTRACTOR | INSPECTOR | AGREEMENT | COMPLETED | RPD | CKD | CID | CON.DR. | INDEX DETAIL | RECORD FILE

CITY OF COLUMBUS, OHIO
DEPARTMENT OF PUBLIC UTILITIES
DIVISION OF SEWERAGE AND DRAINAGE
DIVISION USE ONLY

SCALE: HORIZ 1" = 20'-0" VERT 1" = 5'-0"
SHEET: 14 / 25
CONTRACT DRAWING NO. CC-20647
RECORD PLAN NO.

#	DATE	CHANGE DESCRIPTION
1	05/30/2025	ADDENDUM# 01
1	06/25/2025	ADDENDUM# 02

COLUMBUS METROPOLITAN HOUSING AUTHORITY
COMMUNITY. OPPORTUNITY. COLUMBUSMHA.

THE FALLS ON REFUGEE ROAD
3355 REFUGEE ROAD, COLUMBUS, OH 43232
FOR
CMHA

Moody Nolan
300 SPRUCE STREET
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COLUMBUS, OHIO 43215
PHONE: 614-461-4664
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DRAWING TITLE:
STORM SEWER PROFILES

KORDA
KORDA/NEMETH ENGINEERING
1650 WATERMARK DRIVE
SUITE 200
COLUMBUS, OHIO 43215
DRAWN BY: EAM
DESIGNED BY: EAM
CHECKED BY: EJW
PROJECT NUMBER: 2022-0431

PROGRESS DRAWING NOT FOR CONSTRUCTION

05/01/2025
23446
C214
CD PROGRESS SET

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PRINT DATE: 6/25/2025 11:13 AM
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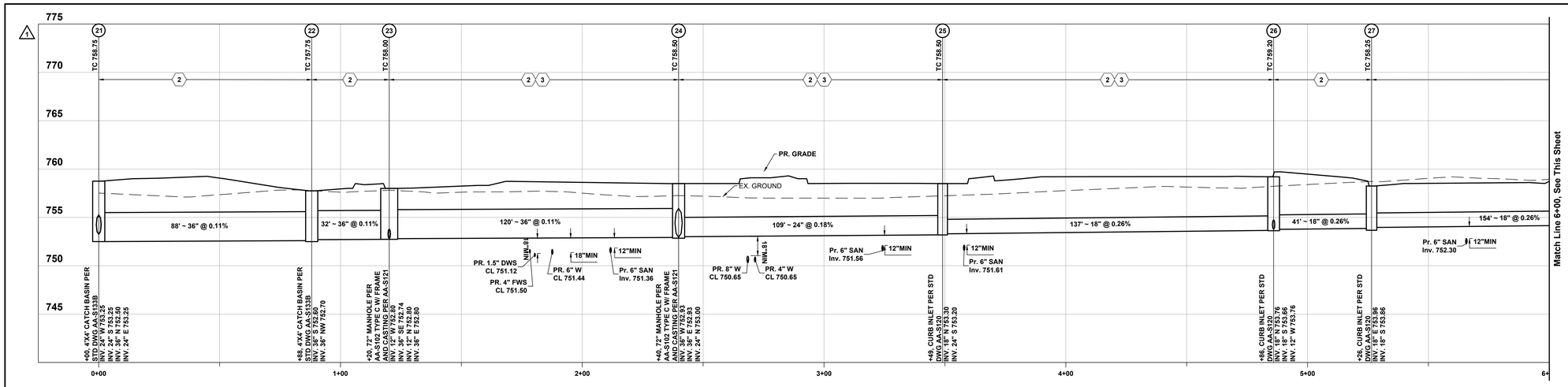
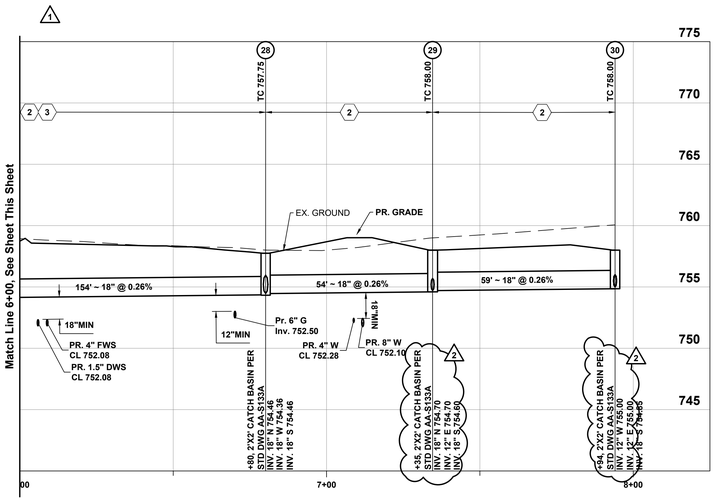


STORM 21-30 Profile
Scale: 1"=20' Horiz. 1"=5' Vert.



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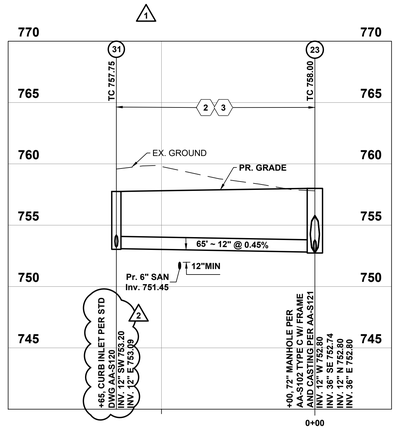

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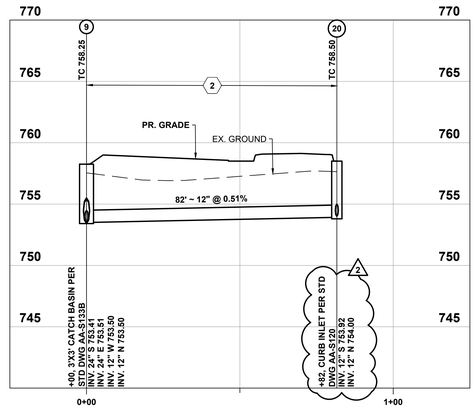

STORM 9-20 Profile
Scale: 1"=20' Horiz. 1"=5' Vert.

CODED NOTES:

1. BACKFILL WITH COMPACTED BACKFILL PER CMSC ITEM 911
2. BACKFILL WITH COMPACTED GRANULAR MATERIAL PER CMSC ITEM 912
3. SEWER PIPE TO HAVE WATERTIGHT JOINTS PER CMSC ITEM 901.15 AND TRENCH DAMS PER CMSC ITEM 901.
4. PROVIDE TYPE C ROCK CHANNEL PROTECTION PER CMSC ITEM 601, 18" DEEP X 10' LONG X WIDTH OF HEADWALL.

EASEMENT REFERENCE			
CITY NO.	COUNTY RECORDER VOL.	COUNTY RECORDER PAGE	GRANTOR

REVISIONS		
NO.	DESCRIPTION	APPROVAL/DATE

PLAN PREPARED BY:

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STORM SEWER PROFILES

PROJECT TITLE

PRIVATE STORM SEWER AND STORMWATER FACILITIES FOR
CMHA REFUGEE ROAD
3355 REFUGEE ROAD

DIVISION USE ONLY	OWNER
	CONTRACTOR
	INSPECTOR
	AGREEMENT / COMPLETED
RPD / CKD / CID / CON.DR.	
INDEX DETAIL / RECORD FILE	

CITY OF COLUMBUS, OHIO
DEPARTMENT OF PUBLIC UTILITIES
DIVISION OF SEWERAGE AND DRAINAGE
DIVISION USE ONLY

SCALE: HORIZ 1" = 20'-0" VERT 1" = 5'-0"
SHEET: 15 / 25
CONTRACT DRAWING NO. CC-20647
RECORD PLAN NO.

#	DATE	CHANGE DESCRIPTION
1	05/30/2025	ADDENDUM# 01
1	06/25/2025	ADDENDUM# 02

COLUMBUS METROPOLITAN HOUSING AUTHORITY
COMMUNITY. COMMITMENT. COLLABORATION.

THE FALLS ON REFUGEE ROAD
3355 REFUGEE ROAD, COLUMBUS, OH 43232
FOR
CMHA

Moody Nolan
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: 614-461-4664
CERT. NO: FIRM 00197475

DRAWING TITLE:
STORM SEWER PROFILES

KORDA
KORDA/NEMETH ENGINEERING
1650 WATERMARK DRIVE
SUITE 200
COLUMBUS, OHIO 43215

DRAWN BY:	EAM
DESIGNED BY:	EAM
CHECKED BY:	EJW
PROJECT NUMBER:	2022-0431

PROGRESS DRAWING NOT FOR CONSTRUCTION

05/01/2025
23446
C215
CD PROGRESS SET

REVIT VERSION: 2023
PRINT DATE: 6/25/2025 11:16 AM
PLEE INFO: Autodesk Docs://24254-CMHA Aspire Housing R23/24254_CMHA Aspire Housing_ARCH_R23.rvt
File: H:\Projects\2022\2022-0417_00 Columbus Metropolitan Housing Authority - Refugee Road\Civil\Drawings\Photoshed\C215 STORM SEWER PROFILES.dwg Saved Date:25-Jun-2025 11:16 AM Plot Date:11-22 AM Saved By: EMSHAN

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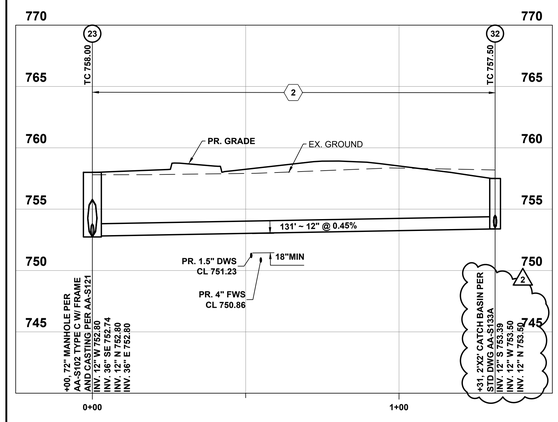

STORM 23-32 Profile
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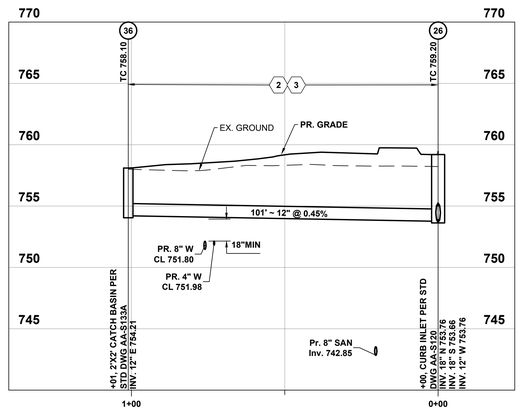

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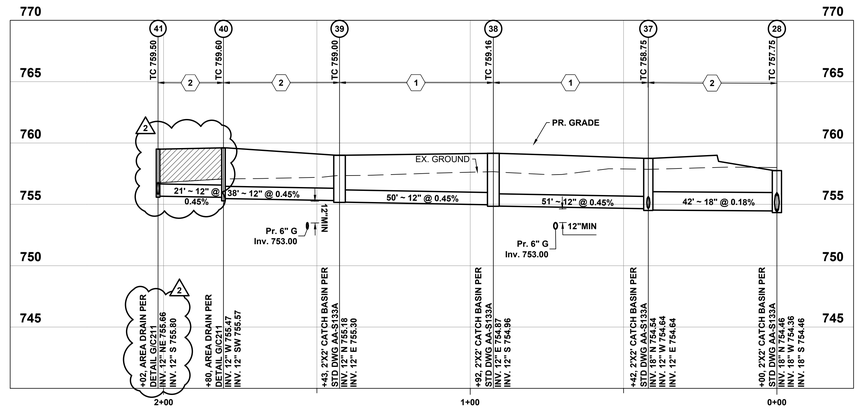

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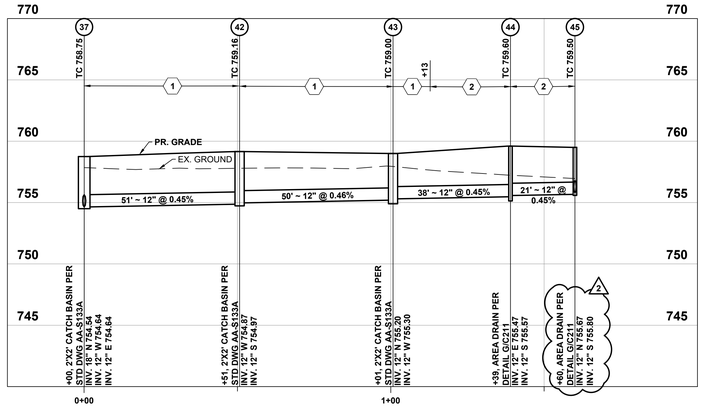
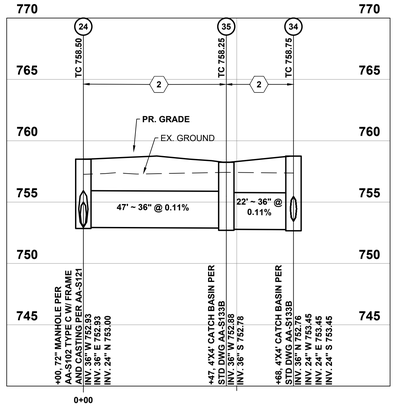


STORM 37-45 Profile
Scale: 1"=20' Horiz. 1"=5' Vert.



STORM 34-24 Profile
Scale: 1"=20' Horiz. 1"=5' Vert.

LEGEND

2 — COMPACTED FILL AREA ITEM 203. PIPE INSTALLED IN AREAS OF FILL SHALL REQUIRE THE COMPACTED FILL TO BE PLACED 2.5' ABOVE THE TOP OF PIPE OR TO PROPOSED GRADE, WHICHEVER IS LESS, PRIOR TO PIPE INSTALLATION (SEE FILL AREAS ON PROFILES OF SUCH KNOWN LOCATIONS).

X CODED NOTES:

1. BACKFILL WITH COMPACTED BACKFILL PER CMSC ITEM 911
2. BACKFILL WITH COMPACTED GRANULAR MATERIAL PER CMSC ITEM 912
3. SEWER PIPE TO HAVE WATERTIGHT JOINTS PER CMSC ITEM 901.15 AND TRENCH DAMS PER CMSC ITEM 901.
4. PROVIDE TYPE C ROCK CHANNEL PROTECTION PER CMSC ITEM 601, 18" DEEP X 10' LONG X WIDTH OF HEADWALL.

EASEMENT REFERENCE				REVISIONS		
CITY NO.	COUNTY RECORDER VOL.	COUNTY RECORDER PAGE	GRANTOR	NO.	DESCRIPTION	APPROVAL/DATE

PLAN PREPARED BY:
KORDA
Korda/Nemeth Engineering, Inc - Consulting Engineers
1650 Watermark Drive, Suite 200 - Columbus, Ohio 43215-7010
TEL 614-487-1650 - FAX 614-487-8981 - WEB www.korda.com

STORM SEWER PROFILES

PROJECT TITLE
PRIVATE STORM SEWER AND STORMWATER FACILITIES FOR
CMHA REFUGEE ROAD
3355 REFUGEE ROAD

CITY OF COLUMBUS, OHIO
DEPARTMENT OF PUBLIC UTILITIES
DIVISION OF SEWERAGE AND DRAINAGE
DIVISION USE ONLY

DIVISION USE ONLY	OWNER		
	CONTRACTOR		
	INSPECTOR		
	AGREEMENT	COMPLETED	
	RPD / CKD	CID / CON.DR.	
	INDEX DETAIL	RECORD FILE	

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COLUMBUS METROPOLITAN HOUSING AUTHORITY
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DRAWING TITLE:
STORM SEWER PROFILES

PROGRESS DRAWING NOT FOR CONSTRUCTION

05/01/2025
23446
C216
CD PROGRESS SET

KORDA
KORDA/NEMETH ENGINEERING
1650 WATERMARK DRIVE
SUITE 200
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DRAWN BY:	EAM
DESIGNED BY:	EAM
CHECKED BY:	EJW
PROJECT NUMBER:	2022-0431

File: H:\Projects\2022\2022-0417_00 Columbus Metropolitan Housing Authority - Refugee Road\Civil\Drawings\Plotsheets\C216 STORM SEWER PROFILES.dwg Saved Date:25-Jun-2025 11:18 AM Plot Date:11:23 AM Saved By: EMSHAN
REVIT VERSION: 2023
PRINT DATE: 6/25/2025 11:19 AM
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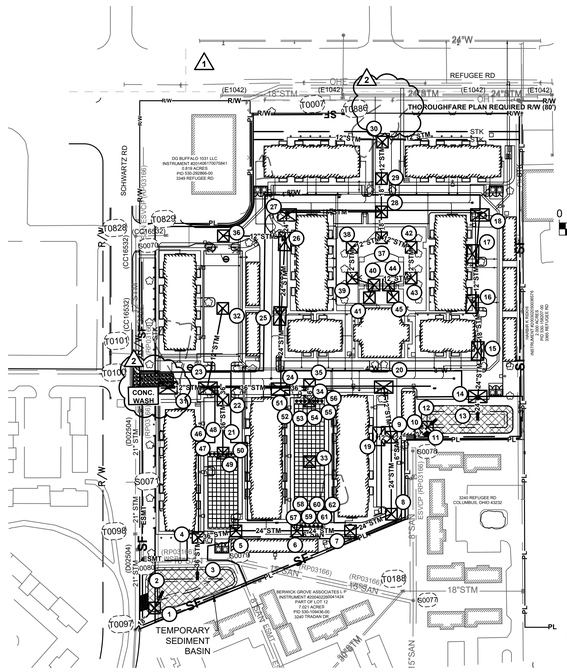

LEGEND

EXISTING

REFER TO ORIGINAL SURVEY, SHEET TS.1

PROPOSED

- 800 — INDEX CONTOUR
- 799 — INTERMEDIATE CONTOUR
- LIMITS OF CONSTRUCTION
- SILT FENCE PER DETAIL E/23(C223)
- INLET FILTER PER DETAIL D/23(C223)
- STABILIZED CONSTRUCTION ENTRANCE PER DETAIL B/23(C223)
- CW — CONCRETE WASHOUT PER DETAIL C/23(C223)
- 1 — EROSION CONTROL MATTING PER DETAIL A/24(C224)

0 100 200 300
GRAPHIC SCALE
SCALE IN FEET

GENERAL NOTES:

1. PROVIDE INLET SEDIMENT FILTER PER DETAIL D/23(C223) AT ALL EXISTING AND PROPOSED STORM INLET STRUCTURES RECEIVING FLOW FROM DISTURBED AREAS.
2. SOIL EROSION AND BMP MEASURES SHALL BE INSTALLED PRIOR TO START OF ANY CONSTRUCTION AND SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION. BMP MEASURES SHALL BE TO THE SATISFACTION OF THE OHIO EPA. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING AND MODIFYING BMP'S AND SWPPP AS NECESSARY DUE TO CONSTRUCTION PHASING AS THE PROJECT ADVANCES TO SATISFY THE OHIO EPA TO COMPLY WITH OHIO EPA PERMIT NO. OHC000006 "GENERAL PERMIT AUTHORIZATION FOR STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY UNDER THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM".
3. UNDER NORMAL CIRCUMSTANCES, NO OVERLAND DISCHARGE SHALL BE ALLOWED FROM SEDIMENT BASIN.

COLUMBUS SWPPP NOTES:

1. DIRECT DISCHARGE OF SEDIMENT LADEN WATER TO THE CITY'S SEWER SYSTEM OR A RECEIVING STREAM IS A VIOLATION OF OHIO EPA AND CITY OF COLUMBUS REGULATIONS. THE CONTRACTOR WILL BE HELD LIABLE FOR THE VIOLATION AND SUBSEQUENT FINES.
2. THE EXACT LOCATION OF THE CONCRETE WASHOUT(S) MAY BE FIELD LOCATED BY THE ON-SITE PROJECT ENGINEER/CONTACT. APPLIES TO ALL SWP3 PLAN REVIEW PAGES.
3. THE USE OF PORTABLE CONCRETE WASHOUT UNITS IS APPROVED (AND ENCOURAGED) FOR ALL CONSTRUCTION AREAS IN THE CITY OF COLUMBUS.
4. UPPER BANK ABOVE NORMAL WATER ELEVATION SHOULD BE STABILIZED QUICKLY WITH STRAW BLANKETS, JUTTE MATTING OR SIMILAR GEO-TEXTILE.
5. ALL EROSION AND SEDIMENT CONTROL PRACTICES ARE SUBJECT TO FIELD MODIFICATION AT THE DISCRETION OF THE CITY OF COLUMBUS AND/OR THE OHIO EPA.
6. ANY EXISTING STORM INLETS IMPACTED BY THE NEW CONSTRUCTION ACTIVITY WILL NEED THE APPROPRIATE INLET PROTECTION FOR SEDIMENT CONTROL.
7. STREET CLEANING (ON AN AS-NEEDED BASIS) IS REQUIRED THROUGH THE DURATION OF THIS CONSTRUCTION PROJECT. THIS INCLUDES SWEEPING, POWER CLEANING AND (IF NECESSARY) MANUAL REMOVAL OF DIRT OR MUD IN THE STREET GUTTERS.
8. THIS PLAN MUST BE POSTED ON-SITE. A COPY OF THE SWPPP PLAN AND THE APPROVED EPA STORMWATER PERMIT (WITH THE SITE-SPECIFIC NOI NUMBER) SHALL BE KEPT ON-SITE AT ALL TIMES.
9. THE USE OF STRAW WATTLES HAS PROVEN TO BE A VERSATILE AND EFFECTIVE ESC BMP, ESPECIALLY IN RESIDENTIAL SETTINGS. STRAW WATTLES MAY BE SUBSTITUTED FOR SILT FENCE.
10. THE USE OF COMPOST FILTER SOCKS AND COMPOST BLANKETS ARE GAINING WIDER ACCEPTANCE NATIONWIDE. THEY ARE NOW APPROVED FOR USE ON ALL COLUMBUS SWP3 PLANS AND CONSTRUCTION SITES.
11. STRAW WATTLES OR COMPOST ROLLS HAVE TO BE A MINIMUM OF 12 INCHES IN DIAMETER NOW (OEPA).

SUMMARY OF POST-CONSTRUCTION STORMWATER CONTROL FACILITIES

CONTROL/OUTLET STRUCTURE NO. (AS REFERENCED ON PLANS)	CONTROL FUNCTION	DRAINAGE AREA TO CONTROL FACILITY (ACRES)	FACILITY TYPE
1	QUALITY & QUANTITY	0.84	EXTENDED DRY DETENTION
5	QUALITY & QUANTITY	7.15	UNDERGROUND DETENTION
11	QUALITY & QUANTITY	1.310	EXTENDED DRY DETENTION

SUB-SUMMARY OF EROSION CONTROL ITEMS 1

ITEM NUMBER	QUANTITY	UNIT	ITEM DESCRIPTION	REF. SHEET
207	37 1	EA	INLET PROTECTION	23(C223)
207	1	EA	CONCRETE WASHOUT	23(C223)
207	2451	LF	SILT FENCE	23(C223)
207	1	EA	CONSTRUCTION ENTRANCE	23(C223)
207	14807	SF	EROSION MATTING	24(C224)
207	2	EA	SEDIMENT MONITOR	10-11(C210-C211)

PERMANENT STABILIZATION

AREA REQUIRING PERMANENT STABILIZATION	TIME FRAME TO APPLY EROSION CONTROLS
ANY AREAS THAT WILL LIE DORMANT FOR ONE YEAR OR MORE.	WITHIN SEVEN DAYS OF THE MOST RECENT DISTURBANCE.
ANY AREAS WITHIN 50 FEET OF A SURFACE WATER OF THE STATE AND AT FINAL GRADE.	WITHIN TWO DAYS OF REACHING FINAL GRADE.
ANY OTHER AREAS AT FINAL GRADE.	WITHIN SEVEN DAYS OF REACHING FINAL GRADE WITHIN THAT AREA.

WHERE VEGETATIVE STABILIZATION TECHNIQUES MAY CAUSE STRUCTURAL INSTABILITY OR ARE OTHERWISE UNOBTAINABLE, ALTERNATIVE STABILIZATION TECHNIQUES MUST BE EMPLOYED. PERMANENT AND TEMPORARY STABILIZATION ARE DEFINED IN PART VII OF THE PERMIT.

TEMPORARY STABILIZATION

AREA REQUIRING TEMPORARY STABILIZATION	TIME FRAME TO APPLY EROSION CONTROLS
ANY DISTURBED AREAS WITHIN 50 FEET OF A SURFACE WATER OF THE STATE AND NOT AT FINAL GRADE.	WITHIN TWO DAYS OF THE MOST RECENT DISTURBANCE IF THE AREA WILL REMAIN IDLE FOR MORE THAN 14 DAYS.
FOR ALL CONSTRUCTION ACTIVITIES, ANY DISTURBED AREAS THAT WILL BE DORMANT FOR MORE THAN 14 DAYS BUT LESS THAN ONE YEAR, AND NOT WITHIN 50 FEET OF A SURFACE WATER OF THE STATE.	WITHIN SEVEN DAYS OF THE MOST RECENT DISTURBANCE WITHIN THE AREA. FOR RESIDENTIAL SUBDIVISIONS, DISTURBED AREAS MUST BE STABILIZED AT LEAST SEVEN DAYS PRIOR TO TRANSFER OF PERMIT COVERAGE FOR THE INDIVIDUAL LOT(S).
DISTURBED AREAS THAT WILL BE IDLE OVER WINTER.	PRIOR TO THE ONSET OF WINTER WEATHER.

EROSION AND SEDIMENT CONTROL NARRATIVE

EROSION AND SEDIMENT CONTROL NARRATIVE:

PLAN DESIGNER: KORDA/NEMETH ENGINEERING INC. 1650 WATERMARK DRIVE, SUITE 200 COLUMBUS, OHIO 43215
PHONE: (614) 487-1650 FAX: (614) 487-8981

OWNER: NAME: COLUMBUS METROPOLITAN HOUSING AUTHORITY (CMHA)
ADDRESS: 880 E. 11TH AVE
CONTACT: MIKE WAGNER
PHONE: 614-421-6000
EMAIL: MWAGNER@CMHANET.COM

NOI PERMIT: XXXXXXXX

EXISTING SITE CONDITIONS: THE SITE CONSISTS OF WOODS AREA WITH AN EXISTING WETLAND IN THE CENTER OF THE SITE.

PROJECT DESCRIPTION: THE PROJECT INCLUDES A MULTI-FAMILY RESIDENTIAL CAMPUS. THERE ARE 3 RESIDENTIAL BUILDING TYPES AS WELL AS 1 STORY GARAGES AND A 2 STORY CLUBHOUSE BUILDING IN THE CENTER OF THE SITE. THERE IS A POOL, OUTDOOR GRILL, AND OUTDOOR COMMUNITY GATHERING SPACE ADJACENT TO THE CLUBHOUSE FOR RESIDENTS TO USE.

DISTURBED AREA: 9.30 ACRES

SITE DRAINS TO: SITE GENERALLY DRAINS TO A CITY OF COLUMBUS MUNICIPAL STORM SEWER WHICH EVENTUALLY DISCHARGES TO ALUM CREEK.

SITE BMPS: LOCATIONS OF SITE BMPS, INCLUDING DUMPSTERS, VEHICLE FUELING AREAS, CONCRETE TRUCK WASH, MATERIAL STORAGE, AND TOPSOIL STOCKPILES SHALL BE DETERMINED BY CONTRACTOR. IF FINAL LOCATION OF BMPS DIFFER FROM THE LOCATIONS SHOWN, CONTRACTOR SHALL MODIFY SWPPP AND INFORM OHIO EPA OF NEW LOCATION OF BMPS. NO POST-CONSTRUCTION BMPS WILL BE NECESSARY. LESS THAN ONE ACRE DRAINS TO EACH OF THE INLET PROTECTION(S), THEREFORE A TEMPORARY SEDIMENT BASIN WILL NOT BE REQUIRED.

ADJACENT AREAS: THE SITE IS BOUNDED BY REFUGEE RD TO THE NORTH, EXISTING RESIDENCES TO THE SOUTH, AND TO THE EAST, AND SCHWARTZ RD TO THE WEST.

SOILS: ACCORDING TO SOIL SURVEY RECORDS, THE SOIL TYPES ON THE SITE ARE BENNINGTON SILT LOAM WHICH IS HYDROLOGIC SOIL GROUP C/D AND BENNINGTON-URBAN LAND COMPLEX WHICH IS HYDROLOGIC SOIL GROUP C/D.

EROSION AND SEDIMENT CONTROL MEASURES: PROVIDE SILT FENCE AT CRITICAL AREAS AS SHOWN ABOVE. ANY NEW OR EXISTING STORM INLETS IMPACTED BY THE NEW CONSTRUCTION ACTIVITY WILL NEED THE APPROPRIATE INLET PROTECTION FOR SEDIMENT CONTROL. PROVIDE INLET PROTECTION AT EXISTING AND PROPOSED DRAINAGE STRUCTURES. ANY OFFSITE BORROW OR SPOIL AREAS SHALL BE SUBJECT TO THE REQUIREMENTS SET FORTH BY THE OHIO EPA. ALL EROSION AND SEDIMENT CONTROL MEASURES FOR OFFSITE AREAS NOT COVERED BY A SEPERATE NOI OR SWP3 SHALL BE COORDINATED WITH THE OHIO EPA. TRENCH GROUNDWATER CONTAINING SEDIMENT MUST BE EFFECTIVELY TREATED PRIOR TO DISCHARGE INTO THE STORM SEWER SYSTEM. USE MEANS NECESSARY TO CONTROL DUST ONSITE AND PREVENT TRACKING SOIL OFFSITE.

JURISDICTION: EROSION AND SEDIMENT CONTROL PRACTICES ARE SUBJECT TO FIELD MODIFICATION AT THE DISCRETION OF THE CITY OF COLUMBUS AND/OR THE OHIO EPA.

COEFFICIENTS: PRE-DEVELOPED CURVE NUMBER = 83
POST-DEVELOPED CURVE NUMBER = 93
EXISTING IMPERVIOUS AREA = 0.01 ACRES
PROPOSED IMPERVIOUS AREA = 6.47 ACRES

CONSTRUCTION SEQUENCE

UNLESS NOTED OTHERWISE, THE GENERAL CONTRACTOR IS RESPONSIBLE FOR ALL EROSION AND SEDIMENT CONTROL MEASURES REQUIRED THROUGHOUT THE DURATION OF THE PROJECT.

1. UTILIZE EXISTING PAVEMENT AS STABILIZED CONSTRUCTION ENTRANCE.
2. CONSTRUCT TEMPORARY SEDIMENT CONTROLS, PERIMETER EROSION CONTROL MEASURES. MEASURES SHALL BE IMPLEMENTED AS THE FIRST STEP OF CONSTRUCTION.
3. DEMOLISH.
4. BACKFILL.
5. ROUGH GRADING. ADD ADDITIONAL SILT FENCE IF NECESSARY.
6. COMPLETE FINE GRADING AND PAVEMENT REPLACEMENT.
7. ONCE FINAL SEEDING HAS BEEN ESTABLISHED, CLEAN SEDIMENT FROM UNDERDRAINS AND STRUCTURES.
8. REMOVE TEMPORARY EROSION CONTROL MEASURES.

MAINTENANCE/INSPECTION PROCEDURES

1. CONTROL MEASURES SHALL BE INSPECTED AT LEAST ONCE EACH WEEK AND WITHIN 24-HOURS FOLLOWING ANY STORM EVENT OF 0.5 INCHES OR GREATER.
2. MEASURES SHALL BE MAINTAINED IN GOOD WORKING ORDER; IF A REPAIR IS NECESSARY, IT WILL BE INITIATED WITHIN 24 HOURS OF REPORT.
3. TEMPORARY AND PERMANENT SEEDING AND PLANTING WILL BE INSPECTED FOR BARE SPOTS, WASHOUTS, AND HEALTHY GROWTH.
4. A MAINTENANCE INSPECTION REPORT SHALL BE MADE AFTER EACH INSPECTION, AND A WRITTEN LOG MUST BE KEPT. THIS LOG SHALL INDICATE THE DATE OF THE INSPECTION, NAME OF THE INSPECTOR, WEATHER CONDITIONS, OBSERVATIONS, ANY CORRECTIVE ACTIONS TAKEN, AND BE SIGNED IN ACCORDANCE WITH THE CONDITIONS OF THE NPDES PERMIT. ANY CONTROL MEASURE MUST BE REPAIRED/REPLACED WITHIN THREE DAYS OF INSPECTION.
5. PERSONNEL SELECTED FOR INSPECTION AND MAINTENANCE RESPONSIBILITIES SHALL BE TRAINED IN INSPECTION AND MAINTENANCE PRACTICES NECESSARY FOR KEEPING THE EROSION AND SEDIMENT CONTROLS USED ONSITE IN GOOD WORKING ORDER. A WRITTEN DOCUMENT CONTAINING THE SIGNATURES OF CONTRACTORS AND SUBCONTRACTORS INVOLVED IN THE IMPLEMENTATION OF EROSION AND SEDIMENT CONTROL MEASURES MUST BE MAINTAINED AS PROOF ACKNOWLEDGING THAT THEY REVIEWED AND UNDERSTAND THE CONDITIONS AND RESPONSIBILITIES OF THE PLAN. THE DOCUMENT SHALL BE CREATED BY THE CONTRACTOR SIGNED PRIOR TO THE START OF CONSTRUCTION.

DISPOSAL OF SOLID/SANITARY/TOXIC WASTES

1. SOLID, SANITARY AND TOXIC WASTES MUST BE DISPOSED OF IN A PROPER MANNER IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.
2. IT IS PROHIBITED TO BURN, BURY OR POUR OUT ONTO THE GROUND OR INTO A STORM WATER CONVEYANCE ANY SOLVENTS, PAINTS, STAINS, GASOLINE, DIESEL FUEL, USED MOTOR OIL, HYDRAULIC FLUID, ANTIFREEZE, CEMENT CURING COMPOUNDS AND OTHER SUCH SOLID AND HAZARDOUS WASTES.
3. ANY RINSE WATERS OF SUCH MATERIAL ARE ALSO PROHIBITED FROM BEING PLACED WHERE THEY MAY ENTER DRAINAGEWAYS.
4. WASH OUT OF CEMENT TRUCKS SHOULD OCCUR IN A DIKED, DESIGNATED AREA, AWAY FROM ANY CONVEYANCE CHANNEL.
5. COORDINATE WASH OUT AREA WITH CONSTRUCTION MANAGER.

STABILIZATION PROCEDURES

CONTRACTOR SHALL BE RESPONSIBLE TO KEEP A RECORD OF DATES WHEN MAJOR GRADING ACTIVITIES OCCUR, WHEN EARTH DISTURBANCE HAS TEMPORARILY OR PERMANENTLY CEASED ON A PORTION OF THE SITE, AND WHEN STABILIZATION MEASURES HAVE BEEN INITIATED.

DEWATERING

DISCHARGES FROM DEWATERING ACTIVITIES, INCLUDING DISCHARGES FROM DEWATERING OF TRENCHES AND EXCAVATIONS ARE PROHIBITED UNLESS MANAGED BY APPROPRIATE CONTROLS.

EASEMENT REFERENCE			
CITY NO.	COUNTY RECORDER VOL.	COUNTY RECORDER PAGE	GRANTOR

REVISIONS		
NO.	DESCRIPTION	APPROVAL/DATE

PLAN PREPARED BY:

KORDA
Korda/Nemeth Engineering, Inc - Consulting Engineers
1650 Watermark Drive, Suite 200 - Columbus, Ohio 43215-7010
TEL: 614-487-1650 - FAX: 614-487-8981 - WEB: www.korda.com

OVERALL EROSION AND SEDIMENT CONTROL PLAN

PROJECT TITLE

PRIVATE STORM SEWER AND STORMWATER FACILITIES FOR CMHA REFUGEE ROAD 3355 REFUGEE ROAD

DIVISION USE ONLY				OWNER	
				CONTRACTOR	
				INSPECTOR	
				AGREEMENT	COMPLETED
RPD	CKD	CID	CON.DR.		
				INDEX DETAIL	RECORD FILE

CITY OF COLUMBUS, OHIO
DEPARTMENT OF PUBLIC UTILITIES
DIVISION OF SEWERAGE AND DRAINAGE
DIVISION USE ONLY

SCALE: HORIZ 1" = N/A VERT 1" = N/A

SHEET: 17 / 25

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COLUMBUS, OHIO 43215
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C217

CD PROGRESS SET

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PROJECT NUMBER: 2022-0431

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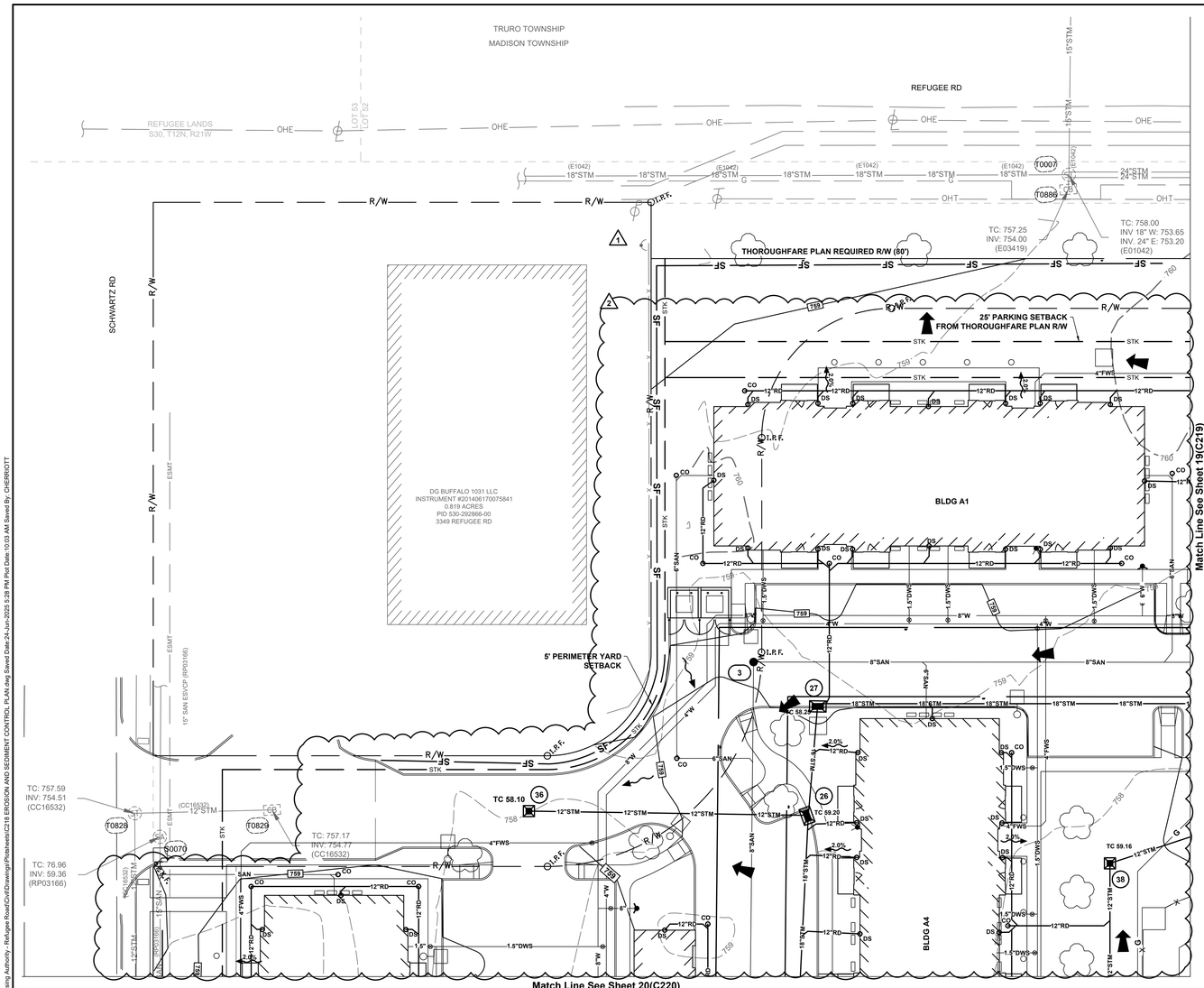

0 20 40 60

GRAPHIC SCALE
SCALE IN FEET

LEGEND

EXISTING

REFER TO ORIGINAL SURVEY, SHEET TS.1

PROPOSED

REFER TO SHEET 17(C217)

COLUMBUS SWPPP NOTES:

1. DIRECT DISCHARGE OF SEDIMENT LADEN WATER TO THE CITY'S SEWER SYSTEM OR A RECEIVING STREAM IS A VIOLATION OF OHIO EPA AND CITY OF COLUMBUS REGULATIONS. THE CONTRACTOR WILL BE HELD LIABLE FOR THE VIOLATION AND SUBSEQUENT FINES.
2. THE EXACT LOCATION OF THE CONCRETE WASHOUT(S) MAY BE FIELD LOCATED BY THE ON-SITE PROJECT ENGINEER/CONTACT. APPLIES TO ALL SWP3 PLAN REVIEW PAGES.
3. THE USE OF PORTABLE CONCRETE WASHOUT UNITS IS APPROVED (AND ENCOURAGED) FOR ALL CONSTRUCTION AREAS IN THE CITY OF COLUMBUS.
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7. STREET CLEANING (ON AN AS-NEEDED BASIS) IS REQUIRED THROUGH THE DURATION OF THIS CONSTRUCTION PROJECT. THIS INCLUDES SWEEPING, POWER CLEANING AND (IF NECESSARY) MANUAL REMOVAL OF DIRT OR MUD IN THE STREET GUTTERS.
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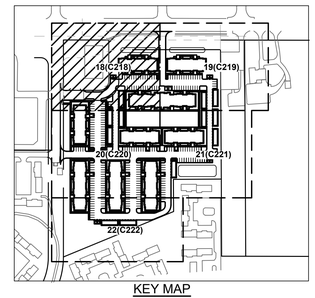

KEY MAP
NTS

EASEMENT REFERENCE			
CITY NO.	COUNTY RECORDER VOL.	COUNTY RECORDER PAGE	GRANTOR

REVISIONS		
NO.	DESCRIPTION	APPROVAL/DATE

PLAN PREPARED BY:

KORDA
Korda/Nemeth Engineering, Inc - Consulting Engineers
1650 Watermark Drive, Suite 200 - Columbus, Ohio 43215-7010
TEL 614-487-1650 - FAX 614-487-8981 - WEB www.korda.com

EROSION AND SEDIMENT CONTROL PLAN

PROJECT TITLE

PRIVATE STORM SEWER AND STORMWATER FACILITIES FOR
CMHA REFUGEE ROAD
3355 REFUGEE ROAD

DIVISION USE ONLY				OWNER
				CONTRACTOR
				INSPECTOR
				AGREEMENT / COMPLETED
RPD	CKD	CID	CON.DR.	
INDEX DETAIL		RECORD FILE		

CITY OF COLUMBUS, OHIO
DEPARTMENT OF PUBLIC UTILITIES
DIVISION OF SEWERAGE AND DRAINAGE

DIVISION USE ONLY

SCALE: HORIZ 1" = 20'-0" VERT 1" = N/A

SHEET: 18 / 25

CONTRACT DRAWING NO.: CC-20647

RECORD PLAN NO.:

#	DATE	CHANGE DESCRIPTION
1	05/30/2025	ADDENDUM# 01
1	06/25/2025	ADDENDUM# 02

COLUMBUS METROPOLITAN HOUSING AUTHORITY
COMMUNITY, COMMITMENT, COLUMBUSMHA

THE FALLS ON REFUGEE ROAD
3355 REFUGEE ROAD, COLUMBUS, OH 43232
FOR
CMHA

300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: 614-461-4664

Moody Nolan
CERT. NO: FIRM 00197475

DRAWING TITLE:
EROSION AND SEDIMENT CONTROL PLAN

PROGRESS DRAWING NOT FOR CONSTRUCTION

05/01/2025

23446

C218

CD PROGRESS SET

KORDA
KORDA/NEMETH ENGINEERING
1650 WATERMARK DRIVE
SUITE 200
COLUMBUS, OHIO 43215

DRAWN BY: EAM
DESIGNED BY: EAM
CHECKED BY: EJW
PROJECT NUMBER: 2022-0431

File: I:\Projects\2022\2022-0431_00 Columbus Metropolitan Housing Authority - Refugee Road\Civil\Drawings\Plotsheets\C218 EROSION AND SEDIMENT CONTROL PLAN.dwg Saved Date:24-Jun-2025 5:28 PM Plot Date:10:03 AM Saved By: CHERROTT

REVIT VERSION: 2023
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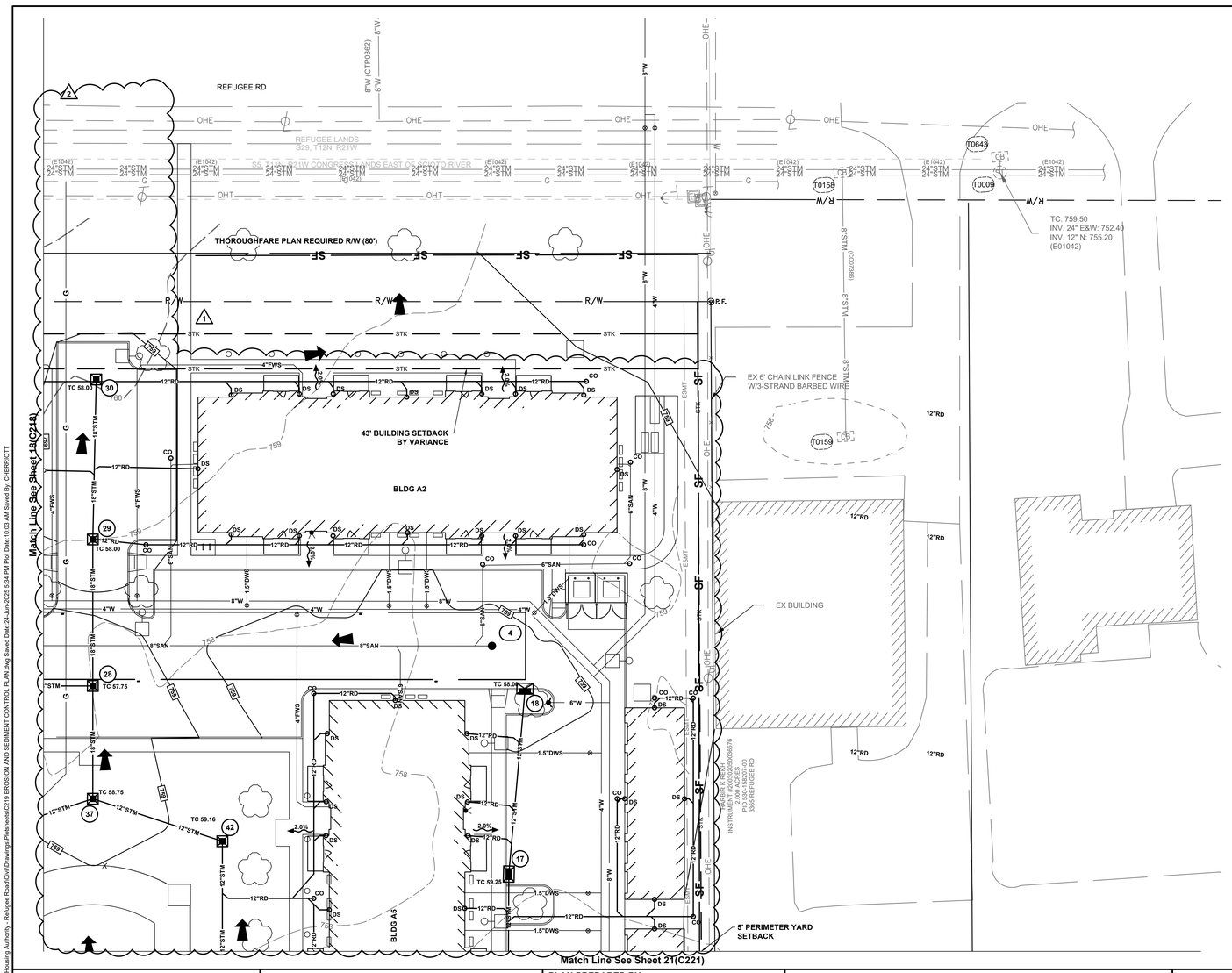

0 20 40 60

GRAPHIC SCALE
SCALE IN FEET

LEGEND

EXISTING

REFER TO ORIGINAL SURVEY, SHEET TS.1

PROPOSED

REFER TO SHEET 17(C217)

COLUMBUS SWPPP NOTES:

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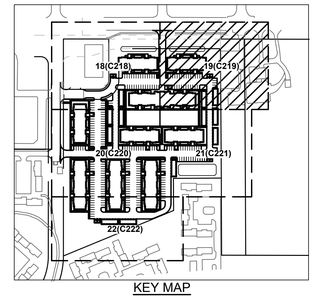

KEY MAP
NTS

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REVISIONS		
NO.	DESCRIPTION	APPROVAL/DATE

PLAN PREPARED BY:

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TEL 614-487-1650 - FAX 614-487-9981 - WEB www.korda.com

EROSION AND SEDIMENT CONTROL PLAN

PROJECT TITLE

PRIVATE STORM SEWER AND STORMWATER FACILITIES FOR CMHA REFUGEE ROAD 3355 REFUGEE ROAD

DIVISION USE ONLY				OWNER
				CONTRACTOR
				INSPECTOR
				AGREEMENT / COMPLETED
		RPD	CKD	CID / CON.DR.
		INDEX DETAIL		RECORD FILE

CITY OF COLUMBUS, OHIO
DEPARTMENT OF PUBLIC UTILITIES
DIVISION OF SEWERAGE AND DRAINAGE

DIVISION USE ONLY

SCALE: HORIZ 1" = 20'-0" VERT 1" = N/A

SHEET: 19 / 25

CONTRACT DRAWING NO.: CC-20647

RECORD PLAN NO.:

#	DATE	CHANGE DESCRIPTION
1	05/30/2025	ADDENDUM# 01
1	06/25/2025	ADDENDUM# 02

COLUMBUS METROPOLITAN HOUSING AUTHORITY
COMMUNITY. COMMITMENT. COLLABORATION.

THE FALLS ON REFUGEE ROAD
3355 REFUGEE ROAD. COLUMBUS, OH 43232
FOR
CMHA

Moody Nolan
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: 614-461-4664
CERT. NO: FIRM 00197475

DRAWING TITLE:
EROSION AND SEDIMENT CONTROL PLAN

PROGRESS DRAWING NOT FOR CONSTRUCTION

05/01/2025

23446

C219

CD PROGRESS SET

KORDA
KORDA/NEMETH ENGINEERING
1650 WATERMARK DRIVE
SUITE 200
COLUMBUS, OHIO 43215

DRAWN BY:	EAM
DESIGNED BY:	EAM
CHECKED BY:	EJW
PROJECT NUMBER:	2022-0431

File: H:\Projects\2022\2022-0417_00 Columbus Metropolitan Housing Authority - Refugee Road\Civil\Drawings\Plotsheets\C219 EROSION AND SEDIMENT CONTROL PLAN.dwg Saved Date:24-Jun-2025 5:34 PM Plot Date: 10:03 AM Saved By: CHERROTT

REVIT VERSION: 2023
PRINT DATE: 6/24/2025 5:34 PM
FILE INFO: Autodesk Docs://2425 CMHA Aspire Housing R23/2425_CMHA Aspire Housing_ARCH_R23.rvt

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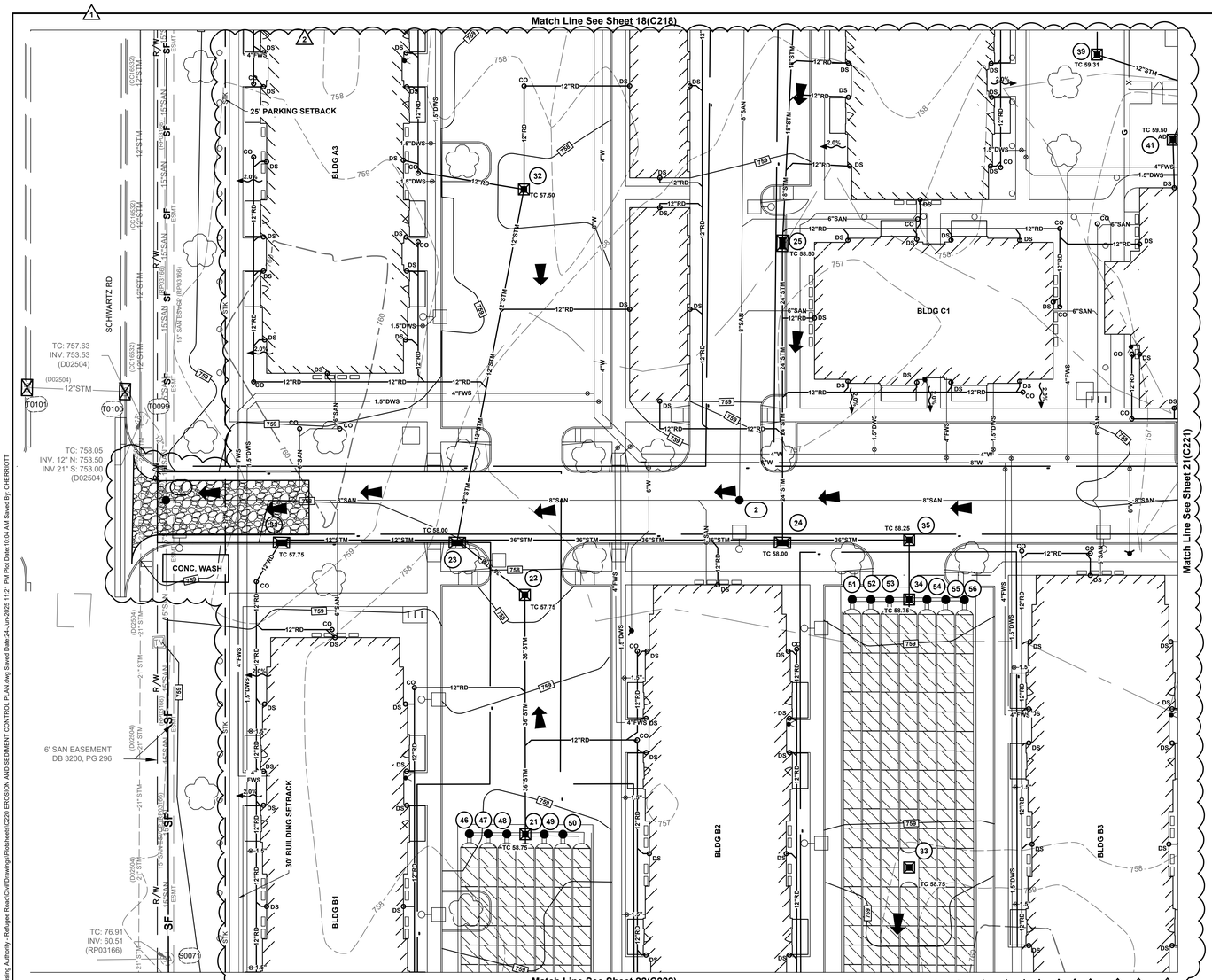

LEGEND

EXISTING

REFER TO ORIGINAL SURVEY, SHEET TS.1

PROPOSED

REFER TO SHEET 17(C217)

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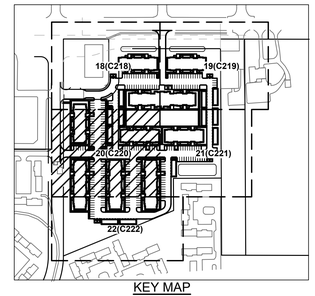

KEY MAP
NTS

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CITY NO.	COUNTY RECORDER VOL.	COUNTY RECORDER PAGE	GRANTOR

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NO.	DESCRIPTION	APPROVAL/DATE

PLAN PREPARED BY:

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TEL 614-487-1650 - FAX 614-487-8981 - WEB www.korda.com

EROSION AND SEDIMENT CONTROL PLAN

PROJECT TITLE

PRIVATE STORM SEWER AND STORMWATER FACILITIES FOR
CMHA REFUGEE ROAD
3355 REFUGEE ROAD

DIVISION USE ONLY	OWNER
	CONTRACTOR
	INSPECTOR
	AGREEMENT / COMPLETED
	RPD / CKD / CID / CON.DR.
	INDEX DETAIL / RECORD FILE

CITY OF COLUMBUS, OHIO
DEPARTMENT OF PUBLIC UTILITIES
DIVISION OF SEWERAGE AND DRAINAGE

DIVISION USE ONLY

SCALE: HORIZ 1" = 20'-0" VERT 1" = N/A

SHEET: 20 / 25

CONTRACT DRAWING NO. CC-20647

RECORD PLAN NO.

#	DATE	CHANGE DESCRIPTION
1	05/30/2025	ADDENDUM# 01
1	06/25/2025	ADDENDUM# 02

COLUMBUS METROPOLITAN HOUSING AUTHORITY
COMMUNITY, COMMITMENT, COLLABORATION.

THE FALLS ON REFUGEE ROAD
3355 REFUGEE ROAD. COLUMBUS, OH 43232
FOR
CMHA

300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: 614-461-4664
Moody Nolan
CERT. NO: FIRM 00197475

DRAWING TITLE:
EROSION AND SEDIMENT CONTROL PLAN

05/01/2025

23446

C220

CD PROGRESS SET

PROGRESS DRAWING NOT FOR CONSTRUCTION

KORDA
KORDA/NEMETH ENGINEERING
1650 WATERMARK DRIVE
SUITE 200
COLUMBUS, OHIO 43215

DRAWN BY:	EAM
DESIGNED BY:	EAM
CHECKED BY:	EJW
PROJECT NUMBER:	2022-0431

File: H:\Projects\2022\2022-0417_00 Columbus Metropolitan Housing Authority - Refugee Road\Civil\Drawings\Plotsheets\C220 EROSION AND SEDIMENT CONTROL PLAN.dwg Saved Date:24-Jun-2025 11:21 PM Plot Date:10:04 AM Saved By: CHERIOTT
REVIT VERSION: 2023
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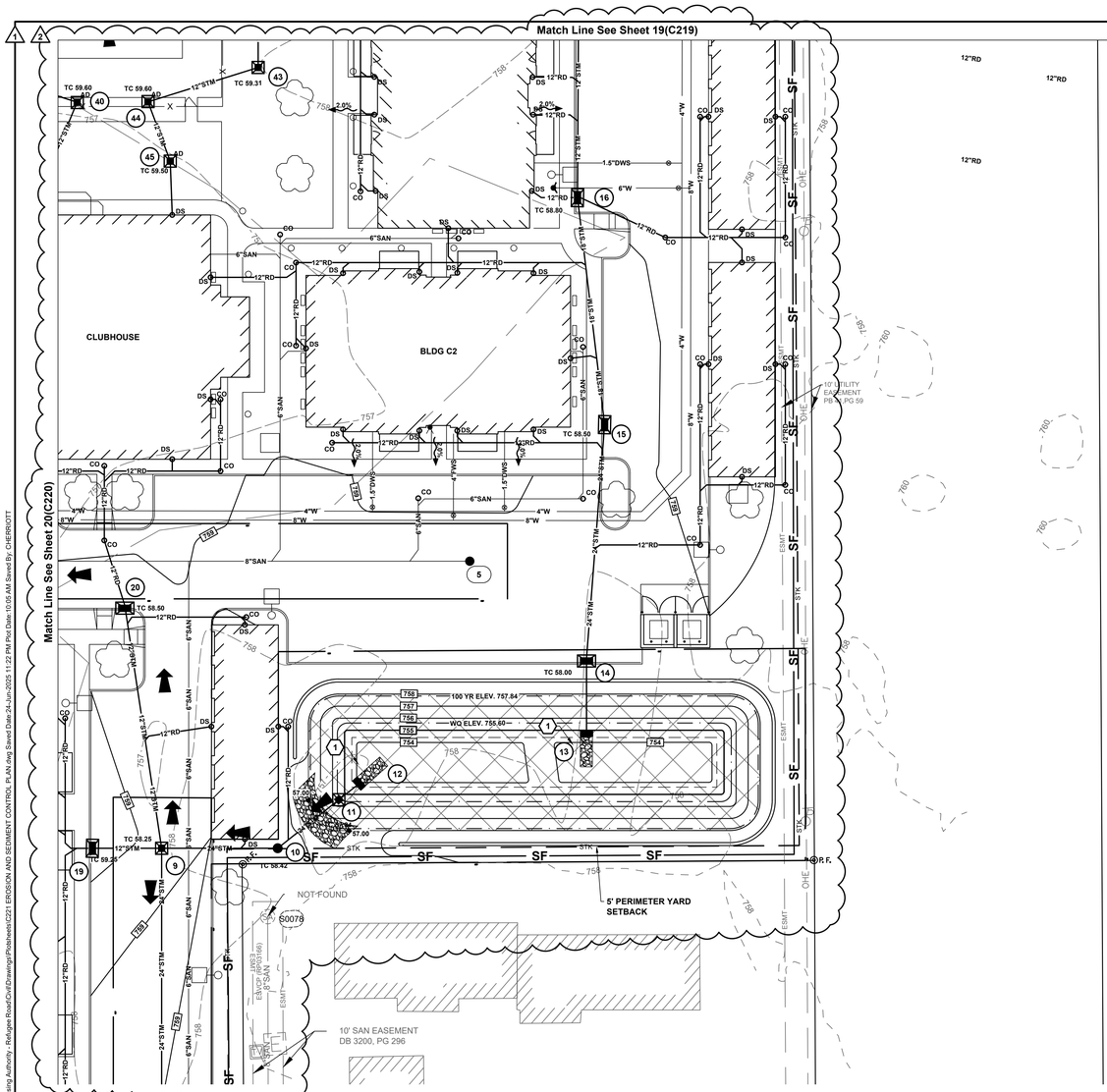

0 20 40 60

GRAPHIC SCALE
SCALE IN FEET

LEGEND

EXISTING

REFER TO ORIGINAL SURVEY, SHEET TS.1

PROPOSED

REFER TO SHEET 17(C217)

COLUMBUS SWPPP NOTES:

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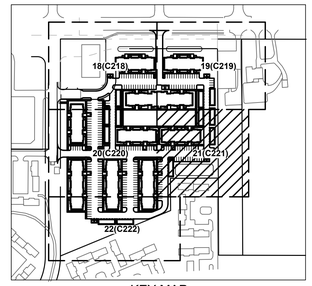
1 X CODED NOTES:

1. SEDIMENT ACCUMULATION MEASUREMENT MONITOR POST PER DETAIL D/10(C210).



KEY MAP
NTS

EASEMENT REFERENCE			
CITY NO.	COUNTY RECORDER VOL.	COUNTY RECORDER PAGE	GRANTOR

REVISIONS		
NO.	DESCRIPTION	APPROVAL/DATE

PLAN PREPARED BY:

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TEL 614-487-1650 - FAX 614-487-8981 - WEB www.korda.com

EROSION AND SEDIMENT CONTROL PLAN

PROJECT TITLE

PRIVATE STORM SEWER AND STORMWATER FACILITIES FOR CMHA REFUGEE ROAD 3355 REFUGEE ROAD

DIVISION USE ONLY				OWNER
				CONTRACTOR
				INSPECTOR
				AGREEMENT / COMPLETED
				RPD / CKD / CID / CON.DR.
				INDEX DETAIL / RECORD FILE

CITY OF COLUMBUS, OHIO
DEPARTMENT OF PUBLIC UTILITIES
DIVISION OF SEWERAGE AND DRAINAGE

DIVISION USE ONLY

SCALE: HORIZ 1" = 20'-0" VERT 1" = N/A

SHEET: 21 / 25

CONTRACT DRAWING NO. CC-20647

RECORD PLAN NO.

#	DATE	CHANGE DESCRIPTION
1	05/30/2025	ADDENDUM# 01
1	06/25/2025	ADDENDUM# 02

COLUMBUS METROPOLITAN HOUSING AUTHORITY
COMMUNITY. COMMITMENT. COLLABORATION.

THE FALLS ON REFUGEE ROAD
3355 REFUGEE ROAD. COLUMBUS, OH 43232
FOR
CMHA

Moody Nolan
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: 614-461-4664
CERT. NO: FIRM 00197475

DRAWING TITLE:
EROSION AND SEDIMENT CONTROL PLAN

PROGRESS DRAWING NOT FOR CONSTRUCTION

05/01/2025

23446

C221

CD PROGRESS SET

KORDA
KORDA/NEMETH ENGINEERING
1650 WATERMARK DRIVE
SUITE 200
COLUMBUS, OHIO 43215

DRAWN BY: EAM
DESIGNED BY: EAM
CHECKED BY: EJW
PROJECT NUMBER: 2022-0431

File: I:\Projects\2022\2022-0431_00 Columbus Metropolitan Housing Authority - Refugee Road\Civil\Drawings\Plotsheets\C221 EROSION AND SEDIMENT CONTROL PLAN.dwg Saved Date:24-Jun-2025 11:22 PM Plot Date:10:05 AM Saved By: CHEREROTT

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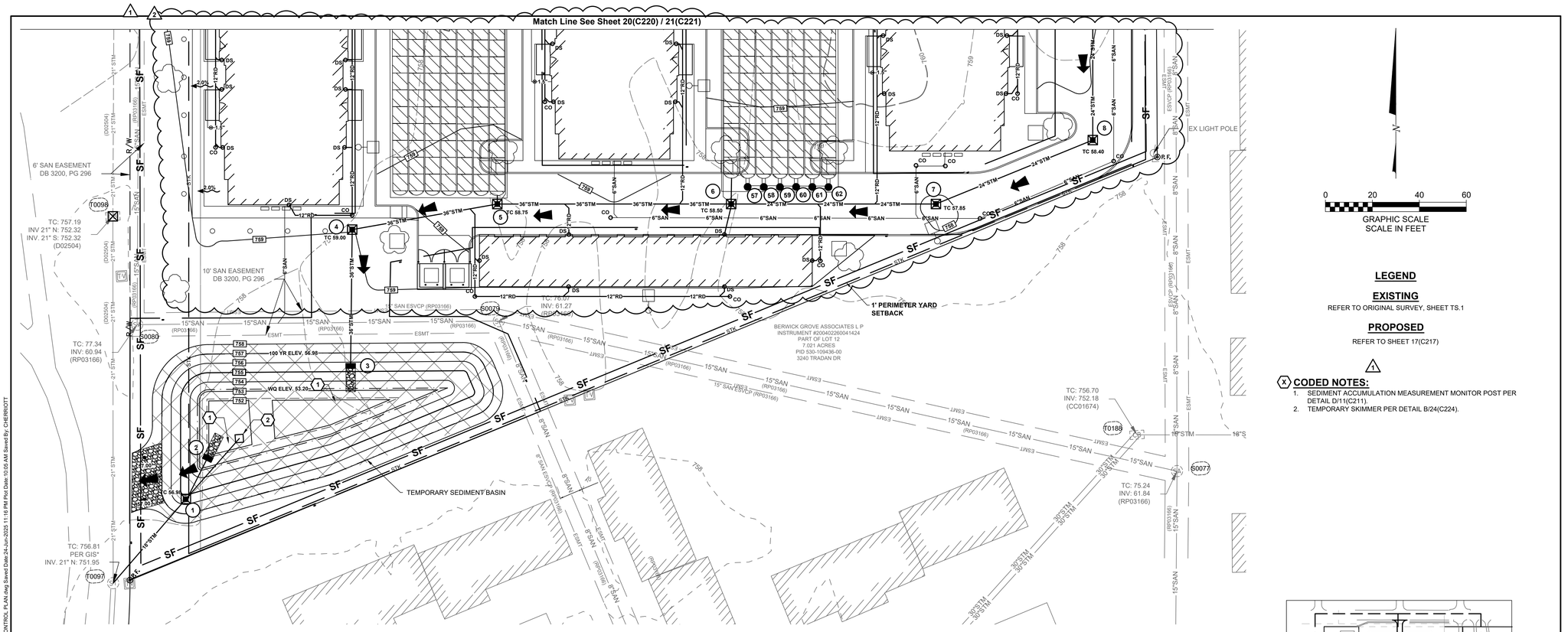

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N

0 20 40 60
GRAPHIC SCALE
SCALE IN FEET

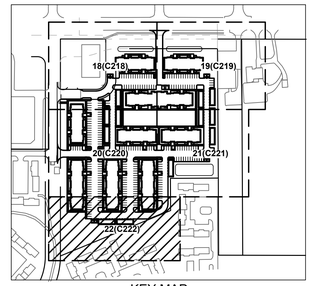
LEGEND

EXISTING
REFER TO ORIGINAL SURVEY, SHEET TS.1

PROPOSED
REFER TO SHEET 17(C217)

1

X CODED NOTES:
1. SEDIMENT ACCUMULATION MEASUREMENT MONITOR POST PER DETAIL D/11(C211).
2. TEMPORARY SKIMMER PER DETAIL B/24(C224).



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EROSION AND SEDIMENT CONTROL PLAN

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3355 REFUGEE ROAD

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RPD	CKD	CID	CON.DR.		
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COLUMBUS METROPOLITAN HOUSING AUTHORITY
COMMUNITY. COMMITMENT. COLUMBUSNEXT.

THE FALLS ON REFUGEE ROAD
3355 REFUGEE ROAD. COLUMBUS, OH 43232
FOR
CMHA

300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: 614-461-4664
Moody Nolan
CERT. NO: FIRM 00197475

DRAWING TITLE:
EROSION AND SEDIMENT CONTROL PLAN

PROGRESS DRAWING NOT FOR CONSTRUCTION

05/01/2025
23446
C222
CD PROGRESS SET

KORDA
KORDA/NEMETH ENGINEERING
1650 WATERMARK DRIVE
SUITE 200
COLUMBUS, OHIO 43215
DRAWN BY: EAM
DESIGNED BY: EAM
CHECKED BY: EJW
PROJECT NUMBER: 2022-0431

File: H:\Projects\2022\2022-0431_00 Columbus Metropolitan Housing Authority - Refugee Road\Civil\Drawings\Plotsheets\1222 EROSION AND SEDIMENT CONTROL PLAN.dwg Saved Date:24-Jun-2025 11:16 PM Print Date: 10:05 AM Saved By: CHERROTT
REVIT VERSION: 2023
PRINT DATE: 6/24/2025 11:17 PM
FILE INFO: Autodesk Docs://2024 CMHA Aspire Housing- R23/2024_CMHA Aspire Housing_ARCH_R23.rvt

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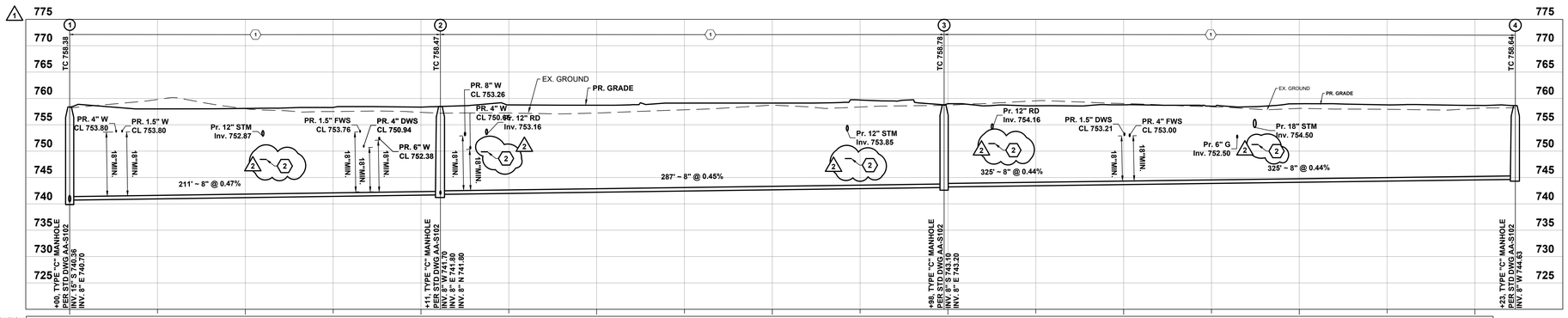
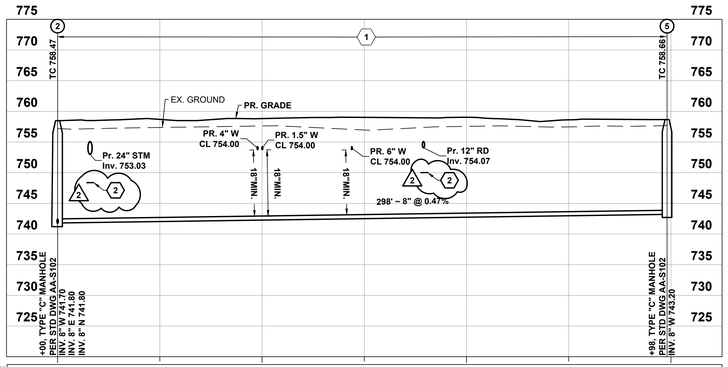


STATION	0+00		1+00		2+00		3+00		4+00		5+00		6+00		7+00		8+00
SURFACE	758.38	758.01	758.10	758.29	758.35	758.77	758.71	759.11	759.11	759.69	759.00	758.60	758.79	758.53	758.99	758.78	758.67
INVERT	740.70	740.93	741.17	741.40	741.63	741.98	742.21	742.43	742.66	742.89	743.21	743.45	743.68	743.92	744.15	744.39	744.62
CUT	17.50	17.08	16.93	16.89	16.72	16.79	16.50	16.68	16.45	16.80	15.79	15.16	15.11	14.62	14.84	14.39	14.05

SANITARY 1-4 Profile
Scale: 1"=30' Horiz. 1"=10' Vert.



STATION	0+00		1+00		2+00		3+00
SURFACE	758.47	758.69	758.82	759.02	759.04	758.62	759.24
INVERT	741.80	742.03	742.27	742.50	742.74	742.97	743.19
CUT	16.67	16.66	16.55	16.52	16.30	15.64	16.05

SAN 2-5 Profile
Scale: 1"=30' Horiz. 1"=10' Vert.

CODED NOTES:
1. BACKFILL WITH COMPACTED GRANULAR MATERIAL PER CMSC ITEM 912
2. PROVIDE ANTI-INFILTRATION BARRIER PER DETAIL A/6(C306).

EASEMENT REFERENCE				REVISIONS			PLAN PREPARED BY:	SANITARY PROFILES
CITY NO.	COUNTY RECORDER VOL.	COUNTY RECORDER PAGE	GRANTOR	NO.	DESCRIPTION	APPROVAL/DATE	KORDA Korda/Nemeth Engineering, Inc - Consulting Engineers 1650 Watermark Drive, Suite 200 - Columbus, Ohio 43215-7010 TEL 614-487-1650 - WEB www.korda.com	

PROJECT TITLE
SANITARY SEWERS FOR CMHA REFUGEE ROAD 3355 REFUGEE ROAD

DIVISION USE ONLY

OWNER
CONTRACTOR
INSPECTOR
AGREEMENT | COMPLETED
RPD | CKD | CID | CON.DR.
INDEX DETAIL | RECORD FILE

CITY OF COLUMBUS, OHIO
DEPARTMENT OF PUBLIC UTILITIES
DIVISION OF SEWERAGE AND DRAINAGE
DIVISION USE ONLY

SCALE: HORIZ 1" = 30'-0" VERT 1" = 10'-0"
SHEET: 5 / 6
CONTRACT DRAWING NO. CC-20683
RECORD PLAN NO.

#	DATE	CHANGE DESCRIPTION
1	05/30/2025	ADDENDUM# 01
1	06/25/2025	ADDENDUM# 02

COLUMBUS METROPOLITAN HOUSING AUTHORITY
COMMUNITY. COMMITMENT. COLLABORATION.

THE FALLS ON REFUGEE ROAD
3355 REFUGEE ROAD, COLUMBUS, OH 43232
FOR
CMHA

Moody Nolan
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: 614-461-4664
CERT. NO: FIRM 00197475

DRAWING TITLE:
SANITARY PROFILES

KORDA
KORDA/NEMETH ENGINEERING
1650 WATERMARK DRIVE
SUITE 200
COLUMBUS, OHIO 43215

DRAWN BY: EAM
DESIGNED BY: EAM
CHECKED BY: EJW
PROJECT NUMBER: 2022-0431

PROGRESS DRAWING NOT FOR CONSTRUCTION

05/01/2025
23446
C305
CD PROGRESS SET

REVIT VERSION: 2023
PRINT DATE: 6/25/2025 11:19 AM
FILE INFO: Autodesk Docs://R23/CMHA Aspire Housing_R23/23454_CMHA Aspire Housing_ARCH_R23.rvt

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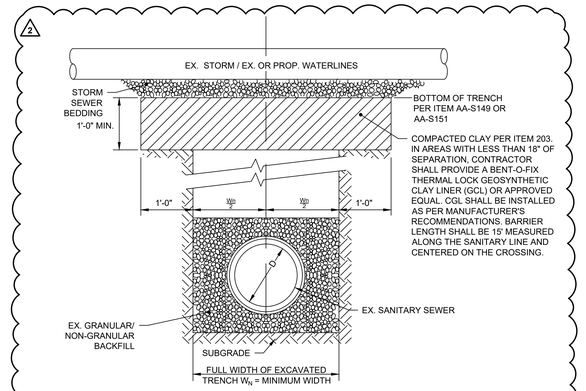
PROPOSED BUILDING SANITARY SERVICES SCHEDULE												
SHEET	XX	MH		MH	SERVICE CONNECTION	RISER LENGTH	SERVICE DIAMETER	SERVICE LENGTH	ELEV. AT END OF SERVICE	ELEV. AT TOP OF RISER ABOVE MAIN	SLOPE	PERMIT NO.
2	S1	2	-	3	BLDG A1	7.5	6"	143'	755.00	750.45	3.18%	
2	S2	3	-	4	BLDG A1	6.5	6"	77'	755.00	750.44	5.92%	
2	S3	0070	-	1	BLDG A3	14.1	6"	70'	755.00	753.54	2.08%	
2	S4	3	-	4	BLDG A4	8.5	6"	19'	752.40	751.99	2.16%	
3	S5	3	-	4	BLDG A2	6.3	6"	77'	755.00	750.45	5.91%	
3	S6	3	-	4	BLDG A2	5.8	6"	126'	755.00	750.58	3.50%	
3	S7	3	-	4	BLDG A5	10.0	6"	19'	755.00	754.60	5.92%	
4	S8	1	-	2	BLDG A3	12.9	6"	60'	755.00	753.75	2.10%	
4	S9	1	-	2	BLDG B1	10.2	6"	50'	752.20	751.16	2.08%	
4	S10	1	-	2	BLDG B2	9.4	6"	30'	751.70	751.07	2.10%	
4	S11	2	-	3	BLDG C1	9.1	6"	26'	751.80	751.26	2.08%	
4	S12	2	-	3	BLDG A4	8.3	6"	71'	755.00	750.60	6.20%	
4	S13	2	-	5	BLDG C1*1	1.1	6"	10'	755.00	754.50	5.00%	
4	S14	2	-	5	CLUBHOUSE*1	8.4	6"	123'	755.00	750.74	3.46%	
4	S15	2	-	5	BLDG B3	12.0	6"	27'	755.00	754.44	2.08%	
5	S16	2	-	5	BLDG C2*2	2.1	6"	7'	755.00	754.85	2.14%	
5	S17	2	-	5	CLUBHOUSE*2	1.0	6"	24'	755.00	754.50	2.08%	
5	S18	2	-	5	BLDG A5*2	8.1	6"	170'	755.00	751.00	2.35%	
5	S19	2	-	5	BLDG C2	7.5	6"	123'	755.00	750.69	3.50%	
6	S20	2	-	5	BLDG B3*3	0.0	6"	40'	755.00	750.50	11.25%	
6	S21	2	-	5	BLDG B2*3	1.1	6"	472'	757.00	743.86	2.78%	
6	S22	S0080	-	S0079	BLDG B1	10.7	6"	50'	755.00	753.96	2.08%	

*#SANITARY SERVICE SHARES A COMMON WYE CONNECTION



FLEXIBLE SEWER PIPE
* INCHES

D*	Wtr*
6	30
8	30
10	30
12	32
15	36
18	40
21	44

D*	Wtr*
24	48
27	52
30	56
36	64
42	72
48	80

RIDGID SEWER PIPE
* INCHES

D*	Wtr*
6	24
8	27
10	30
12	32
15	36
18	40
21	44
24	48
27	52

D*	Wtr*
30	57
33	61
36	64
42	71
48	78
54	87
60	96
66	105

D*	Wtr*
72	116
78	123
84	130
91	136
96	143
102	151
108	160

NOTE:
1. THIS DETAIL IS REQUIRED AT SANITARY SEWER AND STORM SEWER CROSSINGS AND SANITARY SERVICE LATERALS AND STORM SEWER CROSSINGS AS PER CITY OF COLUMBUS REQUIREMENTS. THIS DETAIL IS NOT BEING USED TO MITIGATE CROSSINGS WHERE THERE IS LESS THAN 18" OF VERTICAL DISTANCE FROM OUTSIDE TO OUTSIDE OF PIPES. IN SUCH CASES, PROVIDE WATER TIGHT STORM SEWERS 10' ON EACH SIDE OF EXISTING SANITARY SEWER CROSSING, AS SHOWN ON PLANS.

A DETAIL
ANTI INFILTRATION & INFLOW BARRIER **N.T.S.**

EASEMENT REFERENCE			
CITY NO.	COUNTY RECORDER VOL.	COUNTY RECORDER PAGE	GRANTOR

REVISIONS		
NO.	DESCRIPTION	APPROVAL/DATE

PLAN PREPARED BY:
KORDA
Korda/Nemeth Engineering, Inc - Consulting Engineers
1650 Watermark Drive, Suite 200 - Columbus, Ohio 43215-7010
TEL 614-487-1650 - WEB www.korda.com

SANITARY DETAILS

PROJECT TITLE
SANITARY SEWERS FOR
CMHA REFUGEE ROAD
3355 REFUGEE ROAD

CITY OF COLUMBUS, OHIO
DEPARTMENT OF PUBLIC UTILITIES
DIVISION OF SEWERAGE AND DRAINAGE
DIVISION USE ONLY

DIVISION USE ONLY	OWNER
	CONTRACTOR
	INSPECTOR
	AGREEMENT / COMPLETED
RPD / CKD	CID / CON.DR.
INDEX DETAIL	RECORD FILE

SCALE: HORIZ 1" = N/A VERT 1" = N/A
SHEET: 6 / 6
CONTRACT DRAWING NO. CC-20683
RECORD PLAN NO.

#	DATE	CHANGE DESCRIPTION
1	05/30/2025	ADDENDUM# 01
1	06/25/2025	ADDENDUM# 02

COLUMBUS METROPOLITAN HOUSING AUTHORITY
COMMUNITY. COMMITMENT. COLLABORATION.

THE FALLS ON REFUGEE ROAD
3355 REFUGEE ROAD, COLUMBUS, OH 43232
FOR
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Moody Nolan
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: 614-461-4664
CERT. NO: FIRM 00197475

DRAWING TITLE:
SANITARY DETAILS

PROGRESS DRAWING NOT FOR CONSTRUCTION

05/01/2025
23446
1 C306
CD PROGRESS SET

KORDA
KORDA/NEMETH ENGINEERING
1650 WATERMARK DRIVE
SUITE 200
COLUMBUS, OHIO 43215

DRAWN BY:	EAM
DESIGNED BY:	EAM
CHECKED BY:	EJW
PROJECT NUMBER:	2022-0431

REVIT VERSION: 2023
PRINT DATE: 6/25/2025 9:52 AM
FILE INFO: Addenda Docs\24CD54 CMHA Aspire Housing R23\24CD54_CMHA Aspire Housing_ARCH_R23.rvt

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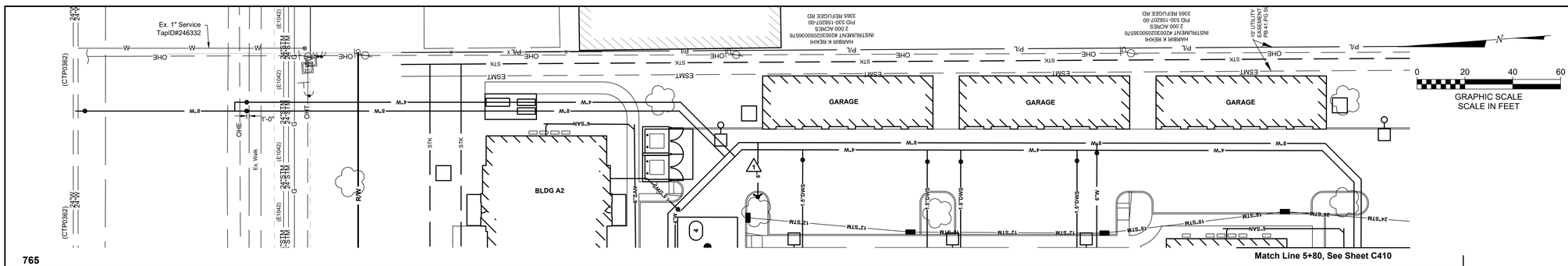

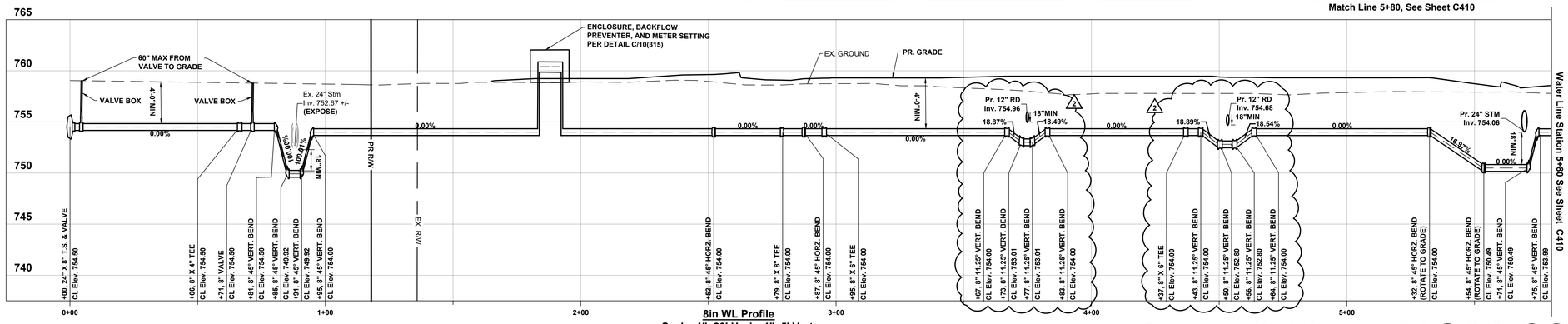

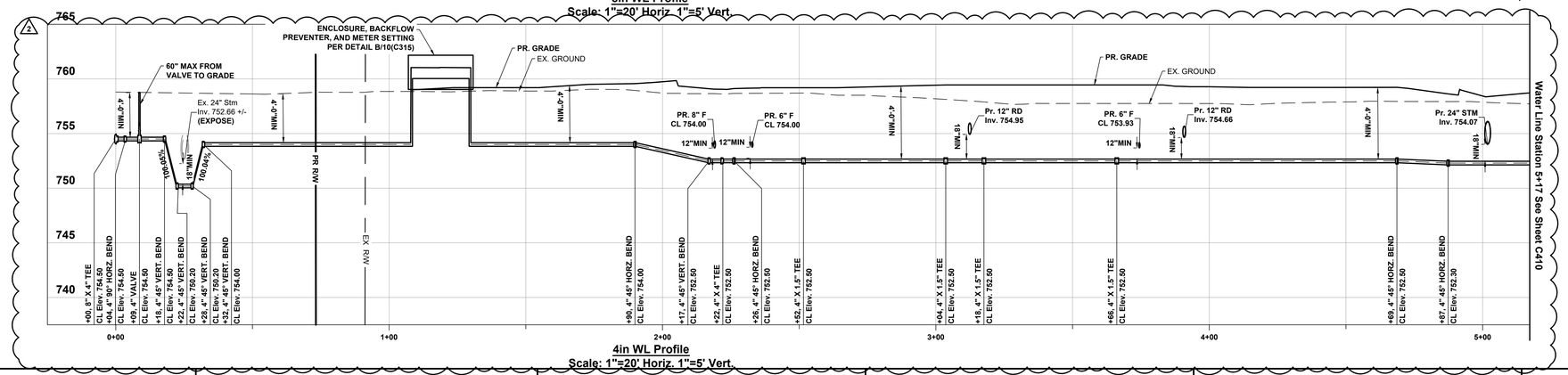

EASEMENT REFERENCE				REVISIONS		
CITY NO.	COUNTY RECORDER VOL.	COUNTY RECORDER PAGE	GRANTOR	NO.	DESCRIPTION	APPROVAL/DATE

WATER SERVICE PLAN & PROFILE

CMHA REFUGEE ROAD
3355 REFUGEE ROAD
530-156568

WSP7513

SHEET:7 /9

#	DATE	CHANGE DESCRIPTION
1	05/30/2025	ADDENDUM# 01
1	06/25/2025	ADDENDUM# 02

COLUMBUS METROPOLITAN HOUSING AUTHORITY
COMMUNITY, COMMUNITY, COLUMBUS!

THE FALLS ON REFUGEE ROAD
3355 REFUGEE ROAD, COLUMBUS, OH 43232
FOR
CMHA

Moody Nolan
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: 614-461-4664
CERT. NO: FIRM 00197475

DRAWING TITLE:
WATER SERVICE PLAN & PROFILE

PROGRESS DRAWING NOT FOR CONSTRUCTION

05/01/2025
23446
C407
CD PROGRESS SET

KORDA
KORDA/NEMETH ENGINEERING
1650 WATERMARK DRIVE
SUITE 200
COLUMBUS, OHIO 43215

DRAWN BY: EAM
DESIGNED BY: EAM
CHECKED BY: EJW
PROJECT NUMBER: 2022-0431

[REVIT VERSION: 2023
PRINT DATE: 6/25/2025 10:03 AM
FILE INFO: J:\Projects\2022\2022-0431 CMHA Aspire Housing\ R23\23-0431 CMHA Aspire Housing_ARCH_R23.rvt

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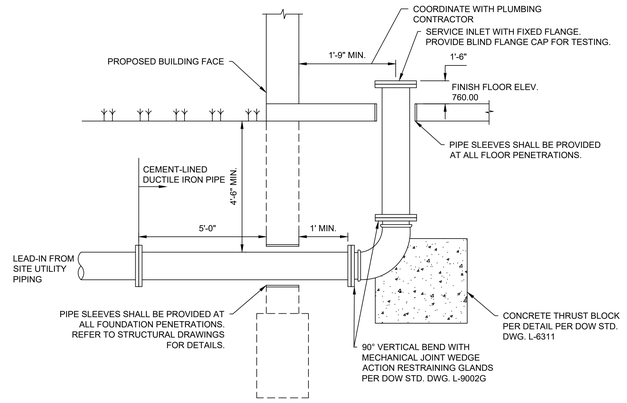
CITY OF COLUMBUS WATER SERVICE PLAN NOTES:

1. N/A.
2. NO WATER SERVICE CONSTRUCTION, BEFORE OR AFTER THE WATER METER(S), SHALL BEGIN PRIOR TO FEE PAYMENT TO THE UTILITY PERMITS OFFICE AT 111 N. FRONT STREET (614-645-7330).
3. THE CITY OF COLUMBUS, CONSTRUCTION AND MATERIAL SPECIFICATIONS (CMSC), 2018 EDITION AND ALL REVISIONS, INCLUDING SPECIAL PROVISIONS AND SUPPLEMENTAL SPECIFICATIONS SHALL GOVERN THIS IMPROVEMENT, UNLESS OTHERWISE NOTED.
4. ALL WATER LINE MATERIALS AND INSTALLATIONS SHALL BE IN ACCORDANCE WITH THE CURRENT APPROVED MATERIALS LIST AND RULES AND REGULATIONS OF THE CITY OF COLUMBUS, DIVISION OF WATER, UNLESS OTHERWISE SHOWN ON THE PLANS OR APPROVED BY THE CITY OF COLUMBUS, DIVISION OF WATER. ONLY PRODUCTS LISTED ON THE CURRENT APPROVED MATERIALS LIST WILL BE PERMITTED TO BE INSTALLED.
5. IT SHALL BE UNLAWFUL FOR ANY PERSON TO PERFORM ANY WORK ON THE PUBLIC WATER DISTRIBUTION SYSTEM WITHOUT FIRST SECURING A LICENSE TO ENGAGE IN SUCH WORK, AS INDICATED IN COLUMBUS CITY CODE SECTIONS 1103.02 AND 1103.06. THIS WORK INCLUDES ANY ATTACHMENTS, ADDITIONS TO OR ALTERATIONS IN ANY CITY SERVICE PIPE OR APPURTENANCES (INCLUDING WATER SERVICE LINES AND WATER SERVICE TAPS). THIS REQUIREMENT MAY BE MET BY UTILIZATION OF A SUBCONTRACTOR WHO POSSESSES A CITY OF COLUMBUS WATER CONTRACTOR LICENSE OR A COMBINED WATER/SEWER CONTRACTOR LICENSE TO PERFORM THIS WORK. UTILIZATION OF A SUBCONTRACTOR MUST MEET THE LICENSING REQUIREMENTS OF CITY OF COLUMBUS BUILDING CODE SECTIONS 4114.119 AND 4114.529.
6. FOR ANY EMERGENCIES THAT OCCUR AFTER NORMAL WORKING HOURS INVOLVING THE WATER DISTRIBUTION SYSTEM, PLEASE CONTACT THE DIVISION OF WATER DISTRIBUTION MAINTENANCE OFFICE AT 614-645-7788.
7. SITE UTILITY CONTRACTOR SHALL OBTAIN A RIGHT OF WAY PERMIT PRIOR TO THE START OF ANY WATER SERVICE LINE AND/OR WATER SERVICE TAP INSTALLATION OR ANY PLACEMENT OF WATER SERVICE MATERIALS INTO THE PUBLIC RIGHT OF WAY.
8. EXISTING RIGHT OF WAY LINE(S), PROPOSED RIGHT OF WAY LINE(S) AND/OR WATER MAIN EASEMENT LINE(S) SHALL BE STAKED AT 10 FOOT INCREMENTS BY A STATE OF OHIO LICENSED SURVEYOR WHEN THE WATER SERVICE TAP(S) AND/OR WATER SERVICE(S) ARE INSTALLED AND INSPECTED BY THE CITY OF COLUMBUS, DIVISION OF WATER.
9. SITE UTILITY CONTRACTOR SHALL OBTAIN A PERMIT FROM THE CITY OF COLUMBUS--CITY FORESTER AT 614-645-6640 FOR ANY WORK DONE WITHIN 10 FEET OF A TREE IN THE RIGHT OF WAY.
10. THERE SHALL BE A 10 FOOT MINIMUM HORIZONTAL AND 18 INCH VERTICAL SEPARATION BETWEEN WATER SERVICE TAP(S), WATER SERVICE LINE(S), PRIVATE WATER SYSTEMS AND ANY SANITARY AND/OR STORM SEWER SYSTEMS, UNLESS OTHERWISE APPROVED BY THE CITY OF COLUMBUS, DIVISION OF WATER.
11. ALL INSPECTIONS REQUIRE A 24 HOUR ADVANCE NOTICE.
12. N/A.
13. N/A.
14. SITE UTILITY CONTRACTOR SHALL FLUSH ALL WATER SERVICES PRIOR TO ANY WATER METER INSTALLATION. THE CITY OF COLUMBUS IS NOT RESPONSIBLE FOR ANY CITY WATER METER DAMAGE CAUSED BY NON-FLUSHING.
15. N/A.
16. SITE UTILITY CONTRACTOR SHALL CALL COLUMBUS DIVISION OF WATER AT 614-645-7330 FOR INSPECTION OF ALL WATER SERVICE TAP ABANDONMENTS COMPLETED AT THE WATER MAIN PER CMSC ITEM 808.
17. SITE UTILITY CONTRACTOR SHALL CALL COLUMBUS DIVISION OF WATER AT 614-645-7330 FOR INSPECTION OF 2" AND SMALLER WATER SERVICE TAPS FROM THE WATER MAIN THRU THE CURB STOP AND WATER SERVICES FROM THE CURB STOP THRU THE WATER METER SETTING.
18. ALL 2" AND SMALLER WATER SERVICE PIPE SHALL BE TYPE K SOFT TEMPER COPPER ONLY FROM THE CITY WATER MAIN THRU THE CURB STOP PER COLUMBUS DIVISION OF WATER STANDARD DETAIL DRAWING L-9901 AND CMSC ITEM 805. THE PIPE MATERIAL SHALL BE TYPE K SOFT TEMPER COPPER OR A COLUMBUS DIVISION OF WATER APPROVED POLY TUBING FROM THE CURB STOP THRU THE WATER METER SETTING.
19. N/A.
20. N/A.
21. N/A.
22. SITE UTILITY CONTRACTOR SHALL CALL COLUMBUS DIVISION OF WATER AT 614-645-7330 FOR INSPECTION AND HYDROSTATIC TEST OF 4" AND LARGER WATER SERVICE TAPS FROM THE WATER MAIN THRU THE CONTROL VALVE AND WATER SERVICES FROM THE CONTROL VALVE THRU THE WATER METER SETTING. HYDROSTATIC TEST SHALL BE PER CMSC ITEM 801.16 AND SHALL BE PERFORMED FROM THE WATER MAIN THRU THE WATER METER SETTING.
23. ALL 4" THRU 12" WATER SERVICE PIPE SHALL BE ONLY DUCTILE IRON FROM THE CITY WATER MAIN THRU THE CITY WATER METER SETTING(S) INCLUDING THE METER BYPASS.
24. ALL EXPOSED WATER MAIN AND ALL WATER SERVICE PIPE 4" AND LARGER SHALL BE POLYWRAPPED PER CMSC ITEM 801.03 TO A POINT 10 FOOT BEYOND THE RIGHT OF WAY VALVE(S).
25. WHEN A 4" OR LARGER TAP IS TO OCCUR ON A 20" OR LARGER WATER MAIN, THE CONTRACTOR SHALL NOTIFY THE DIVISION OF WATER OPERATIONS CONTROL CENTER AT 614-645-7168, TWENTY-FOUR (24) HOURS IN ADVANCE OF PERFORMING THE TAP.
26. N/A.
27. 4" AND LARGER METER SETTING(S) SHALL BE PER COLUMBUS DIVISION OF WATER STANDARD DETAIL DRAWINGS L-6317 A-E.
28. 2" AND LARGER METERS SHALL BE PURCHASED AT THE UTILITY PERMITS OFFICE AT 111 N. FRONT STREET AND PICKED UP AT UTILITY METERING SERVICES AT 3568 INDIANOLA AVENUE.
29. BACKFLOW PREVENTION ASSEMBLY(S) SHALL BE INSTALLED, WHERE REQUIRED, PER COLUMBUS DIVISION OF WATER STANDARD DETAIL DRAWINGS L-9002 A THRU G. CONTRACTOR(S) SHALL CALL 614-645-6674 WITH BACKFLOW PREVENTION QUESTIONS. CONTRACTOR(S) SHALL CALL 614-645-5781 TO SCHEDULE BACKFLOW PREVENTION INSPECTION REQUESTS.
30. DOMESTIC WATER SERVICE BACKFLOW PREVENTER(S) SHALL MEET THE ASSE #1013 APPROVAL/STANDARD.
31. N/A.
32. THE FIRE WATER SERVICE BACKFLOW PREVENTER(S) SHALL MEET THE APPROPRIATE ASSE APPROVAL/STANDARD AND SHALL BE EQUIPPED WITH A DETECTOR METER THAT IS ITRON 100W (TOWER) OR 100R (REMOTE), MEASURES IN CUBIC FEET AND MEETS THE AWWA C-700 STANDARD. FIRE WATER BACKFLOW PREVENTER(S) SHALL BE SIZED TO MATCH THE FIRE WATER SERVICE SIZE AND EQUIPPED WITH O.S.&Y. VALVES.
33. N/A.
34. A 1" I.D. CONDUIT WITH 1 DRAWSTRING PER WATER METER SHALL BE PROVIDED BY THE BUILDING CONTRACTOR FROM THE WATER METER TO AND THRU 6" BEYOND THE FINISHED EXTERIOR WALL OF THE BUILDING AND 1' TO 5' ABOVE THE FINISHED GRADE.
35. A 1" I.D. CONDUIT WITH 1 DRAWSTRING PER WATER METER SHALL BE PROVIDED BY THE SITE UTILITY CONTRACTOR FROM THE WATER METER VAULT TO THE HEATED ENCLOSURE. CONDUIT SHALL EXTEND 6" INTO THE METER VAULT AND BE CLEAR OF ALL ACCESS PORTALS. CONDUIT SHALL BE CORE DRILLED AND EXTEND 24" UP ABOVE THE CONCRETE SLAB FOR THE HEATED ENCLOSURE ALONG THE HEATER WALL. CONDUIT SHALL HAVE A MINIMUM BURY OF 24" FROM THE VAULT TO THE HEATED ENCLOSURE. CONDUIT SHALL BE FOR THE REMOTE WIRES ONLY. ANY OTHER WIRING SHALL HAVE A SEPARATE CONDUIT.
36. IF DOMESTIC AND/OR FIRE WATER SERVICE METER(S) AND/OR THEIR BACKFLOW PREVENTER(S) ARE TO BE LOCATED INSIDE AN ABOVE GROUND HEATED ENCLOSURE, THE ENCLOSURE SHALL BE ASSE #1060 CLASS 1 APPROVED. THE ENCLOSURE SHALL HAVE A THERMOSTATICALLY OPERATED HEATER. THE SIZE AND NUMBER OF HEATER(S) SHALL BE PER THE ENCLOSURE MANUFACTURER'S SPECS TO MAINTAIN A 40 DEGREE FAHRENHEIT INSIDE TEMPERATURE AT AN OUTSIDE TEMPERATURE OF MINUS 30 DEGREE FAHRENHEIT. HEAT TAPE/RODS WILL NOT BE PERMITTED.
37. BACKFLOW PREVENTION DEVICES MUST BE TESTED AT THE TIME OF INSTALLATION BY A TESTER APPROVED BY THE DIVISION OF WATER BACKFLOW COMPLIANCE OFFICE. A COMPLETE LIST OF APPROVED TESTERS CAN BE FOUND AT WWW.COLUMBUS.GOV/BACKFLOW/CONSUMERS. RESULTS MUST BE SUBMITTED THROUGH THE ONLINE WEB SUBMITTAL SYSTEM AT WWW.COLUMBUS.GOV/TEMPLATES/DETAIL.ASPX?ID=79397.

UNDERGROUND PRIVATE WATER SYSTEM(S) AFTER THE CITY WATER METER(S)

38. SITE UTILITY CONTRACTOR SHALL CALL THE LOCAL BUILDING AUTHORITY FOR INSPECTION OF UNDERGROUND PRIVATE DOMESTIC AND/OR FIRE WATER SYSTEM(S) AFTER THE CITY WATER METER(S). THIS WILL INCLUDE DOMESTIC WATER LOOPS AND FIRE WATER LOOPS INCLUDING PRIVATE FIRE HYDRANTS THRU THE SITE BEFORE COVERING.
39. SITE UTILITY CONTRACTOR SHALL CALL COLUMBUS DIVISION OF FIRE AT 614-645-8673 FOR FLUSHING AND/OR PRESSURE TEST INSPECTION OF PRIVATE FIRE SYSTEM AFTER THE CITY FIRE WATER SERVICE METER AND BACKFLOW PREVENTER.
40. N/A.
41. ALL PIPE MATERIAL FOR THE UNDERGROUND PRIVATE WATER SYSTEM AFTER THE CITY WATER METER SHALL MEET THE REQUIREMENTS OF THE LOCAL BUILDING AUTHORITY HAVING JURISDICTION.



NOTES:
1. ALL WORK WITHIN BUILDING SHALL BE PER PLUMBING SPECIFICATIONS.
2. COORDINATE FOOTING LOCATIONS AND SLEEVES WITH FOUNDATION CONSTRUCTION.
3. COORDINATE FINAL LOCATIONS AND ELEVATIONS WITH PLUMBING CONTRACTOR.
4. PROVIDE CEMENT-LINED DUCTILE IRON PIPE BEGINNING 5'-0" OUTSIDE OF THE BUILDING AND CONTINUING THROUGH THE FLOOR PENETRATION. CAP WATER SERVICE ABOVE GROUND FOR FUTURE CONNECTION BY THE PLUMBING CONTRACTOR.

A DETAIL
WATER SERVICE TERMINATION (SLAB ON GRADE) — **N.T.S.**

⚠1

Columbus Division of Water Fire Flow Test

FLOW TEST ID	3688	NO. OF TEST RUN	1	ATLAS PAGE	0
FLOW HYDRANT	1E OF SCHWARTZ RD ON REFUGEE RD				
FLOW HYDRANT	1W OF SCHWARTZ RD ON REFUGEE RD				
PRESSURE HYDRAN	2E OF SCHWARTZ RD ON REFUGEE RD				
PRESSURE HYDRANT ID	0143A04				
DATE	11/6/2024		PIPE SIZE	24"	
TIME	11:35:00 AM		ELEVATION	760'	
STATIC PRESSUR	75	psi	HYDRANT OWNER	COLUMBUS	
RESIDUAL PRESSURE	71	psi	COEFFICIENT	0.77	
PITOT 1	57	psi	REMARKS		
PITOT 2	54	psi			
OUTLET	4" DIFF				
FLOW (GPM)	3870				
FLOW@20 PSI	>5000				
WATER DISTRICT	PARSONS		CH	950'	HGL 933'

Please remember when reviewing the results of the flow test that varying factors could change the results, i.e., hourly fluctuations in water levels at the City of Columbus water tanks, changes in consumer demands in the area of the flow test, and seasonal changes in water plant discharge pressures. The net effect of these changes will normally shift static pressures by no more than five (5) to fifteen (15) psi.

EASEMENT REFERENCE				REVISIONS		
CITY NO.	COUNTY RECORDER VOL.	COUNTY RECORDER PAGE	GRANTOR	NO.	DESCRIPTION	APPROVAL/DATE

KORDA
Korda/Nemeth Engineering, Inc - Consulting Engineers
1650 Watermark Drive, Suite 200 - Columbus, Ohio 43215-7010
TEL 614-487-1650 - FAX 614-487-8981 - WEB www.korda.com

UTILITY NOTES & DETAILS

CMHA REFUGEE ROAD
3355 REFUGEE ROAD
530-156568

WSP7513

SHEET:8 /9

#	DATE	CHANGE DESCRIPTION
1	05/30/2025	ADDENDUM# 01
1	06/25/2025	ADDENDUM# 02

COLUMBUS METROPOLITAN HOUSING AUTHORITY
COMMUNITY. COMMITMENT. COLLABORATION.

THE FALLS ON REFUGEE ROAD
3355 REFUGEE ROAD, COLUMBUS, OH 43232
FOR
CMHA

300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: 614-461-4664
Moody Nolan
CERT. NO: FIRM 00197475

DRAWING TITLE:
UTILITY NOTES & DETAILS

PROGRESS DRAWING NOT FOR CONSTRUCTION

05/01/2025
23446
C408
CD PROGRESS SET

KORDA
KORDA/NEMETH ENGINEERING
1650 WATERMARK DRIVE
SUITE 200
COLUMBUS, OHIO 43215

DRAWN BY:	EAM
DESIGNED BY:	EAM
CHECKED BY:	EJW
PROJECT NUMBER:	2022-0431

REVIT VERSION: 2023
PRINT DATE: 6/25/2025 8:55 AM
FILE PATH: Autodesk Docs://24254 CMHA Aspire Housing R23/24254_CMHA Aspire Housing_ARCH_R23.rvt

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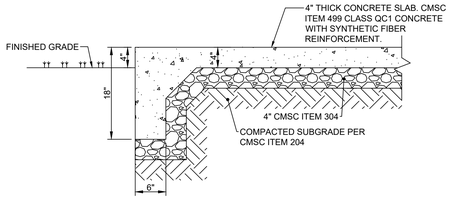


NOTES:

A. SYNTHETIC FIBER REINFORCEMENT: ASTM C1116-97 AND ASTM C1018-97. ACCEPTABLE PRODUCTS INCLUDE, BUT ARE NOT LIMITED:
   1. NYCON NYLON FIBERS
   2. FORTA NYLO-MONO NYLON FIBERS
   3. FIBERMESH FIBERMIX STEALTH POLYPROPYLENE FIBERS
   4. GRACE POLYPROPYLENE FIBERS

   SYNTHETIC FIBER REINFORCEMENT SHALL BE USED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. DOSAGE RATE SHALL BE AS RECOMMENDED BY THE MANUFACTURER, BUT NOT LESS THAN 1 POUND PER CUBIC YARD.

B. DISSIPATING CURING COMPOUND: COMPLY WITH ASTM C309-98A, TYPE 1, CLASS B (CLEAR), EXCEPT MOISTURE LOSS NOT TO EXCEED 0.40 KG/SQ M. IN 72 HOURS. COMPOUND SHALL COMPLY WITH EPA'S VOC REQUIREMENTS. APPLY AT THE MANUFACTURER'S WRITTEN RECOMMENDED APPLICATION RATE. COMPLETELY REMOVE CURING COMPOUND PRIOR TO APPLICATION OF PENETRATING SEALER.

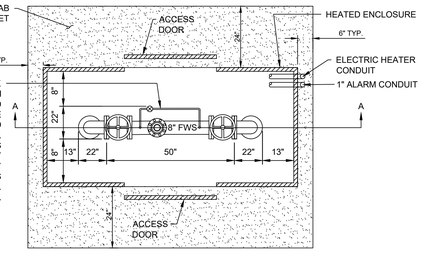
C. PENETRATING SEALER: ACCEPTABLE PRODUCTS INCLUDE, BUT ARE NOT LIMITED TO:
   1. L&M CONSTRUCTION CHEMICALS - AQUAPEL PLUS 40
   2. PROSOCO - SALTGUARD WB
   3. HULS AMERICA INC. - CHEM-TRETE BSM 40
   4. MASTER BUILDERS INC. - MASTERSEAL SL 40
   5. LYMTAL INTERNATIONAL - ISO-FLEX 618-50 WB
   6. BASF - ENVIROSEAL 40 OR HYDROZO SILANE 40
   7. TEX-COTE - RAINSTOPPER RS140

D. PROVIDE TURNDOWN ON ALL FOUR SIDES OF CONCRETE SLAB.

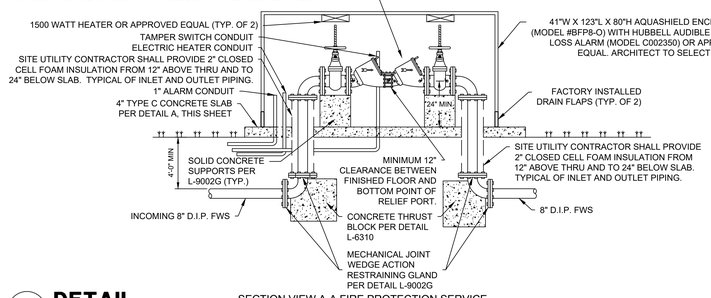
A DETAIL
HOTBOX ENCLOSURE CONCRETE SLAB **N.T.S.**

⚠1

GENERAL NOTES:
1. EXTEND CONCRETE PAD 24-INCHES BEYOND ENCLOSURE ON SAME SIDE AS ACCESS DOOR AND TEST COCKS.
2. IF CONTRACTOR ELECTS AN EQUAL (RPDA) BACKFLOW PREVENTER PRODUCT, THEN CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY THAT SPECIFIC BACKFLOW PREVENTER MODEL FITS IN HOT BOX PRIOR TO ORDERING.
3. CONTRACTOR SHALL COORDINATE ELECTRICAL SERVICE TO THE HOT BOX. REFER TO ELECTRICAL DRAWINGS FOR ELECTRICAL SERVICE AND TAMPER SWITCH DETAILS.
4. PROVIDE VALVE AND METER FLANGE SUPPORTS PER CITY OF COLUMBUS STD. DWG. L-9002G



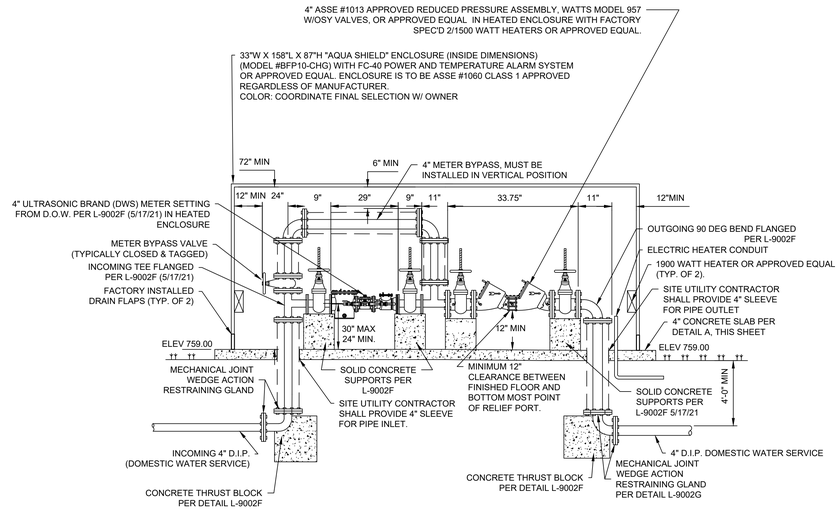
8" ASSE #1048 DOUBLE CHECK DETECTOR ASSEMBLY (DCDA) WITH FULL SIZE OS&Y VALVES AND DETECTOR METER. METER SHALL BE ITRON 100W (TOWERS SUPPLIED USING A CUBIC FOOT REGISTER. FIRE PROTECTION SYSTEM USES WATER ONLY, THE SITE DOES NOT HAVE ACCESS TO AN AUXILIARY WATER SYSTEM, AND THE SYSTEM IS NOT SUBJECT TO CHEMICAL ADDITIVES.

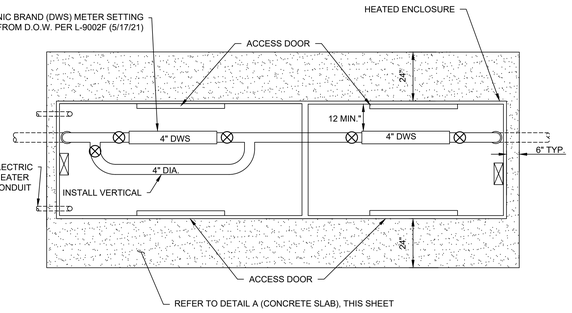


SECTION VIEW A-A FIRE PROTECTION SERVICE

C DETAIL
HOTBOX ENCLOSURES FOR FWS BACKFLOW PREVENTER **N.T.S.**

⚠1





PLAN VIEW

B DETAIL
HEATED ENCLOSURE FOR DWS METER SETTING & BACKFLOW PREVENTERS **N.T.S.**

EASEMENT REFERENCE				REVISIONS		
CITY NO.	COUNTY RECORDER VOL.	COUNTY RECORDER PAGE	GRANTOR	NO.	DESCRIPTION	APPROVAL/DATE

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TEL 614-487-1650 - FAX 614-487-8981 - WEB www.korda.com

UTILITY DETAILS

CMHA REFUGEE ROAD
3355 REFUGEE ROAD
530-156568

WSP7513

SHEET:9 /9

#	DATE	CHANGE DESCRIPTION
1	05/30/2025	ADDENDUM# 01
1	06/25/2025	ADDENDUM# 02

COLUMBUS METROPOLITAN HOUSING AUTHORITY
COMMUNITY. COMMITMENT. COLLABORATION.

THE FALLS ON REFUGEE ROAD
3355 REFUGEE ROAD. COLUMBUS, OH 43232
FOR
CMHA

Moody Nolan
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: 614-461-4664
CERT. NO: FIRM 00197475

DRAWING TITLE:
UTILITY DETAILS

PROGRESS DRAWING NOT FOR CONSTRUCTION

05/01/2025
23446
2 C409
CD PROGRESS SET

KORDA
KORDA/NEMETH ENGINEERING
1650 WATERMARK DRIVE
SUITE 200
COLUMBUS, OHIO 43215

DRAWN BY:	EAM
DESIGNED BY:	EAM
CHECKED BY:	EJW
PROJECT NUMBER:	2022-0431

REVIT VERSION: 2023
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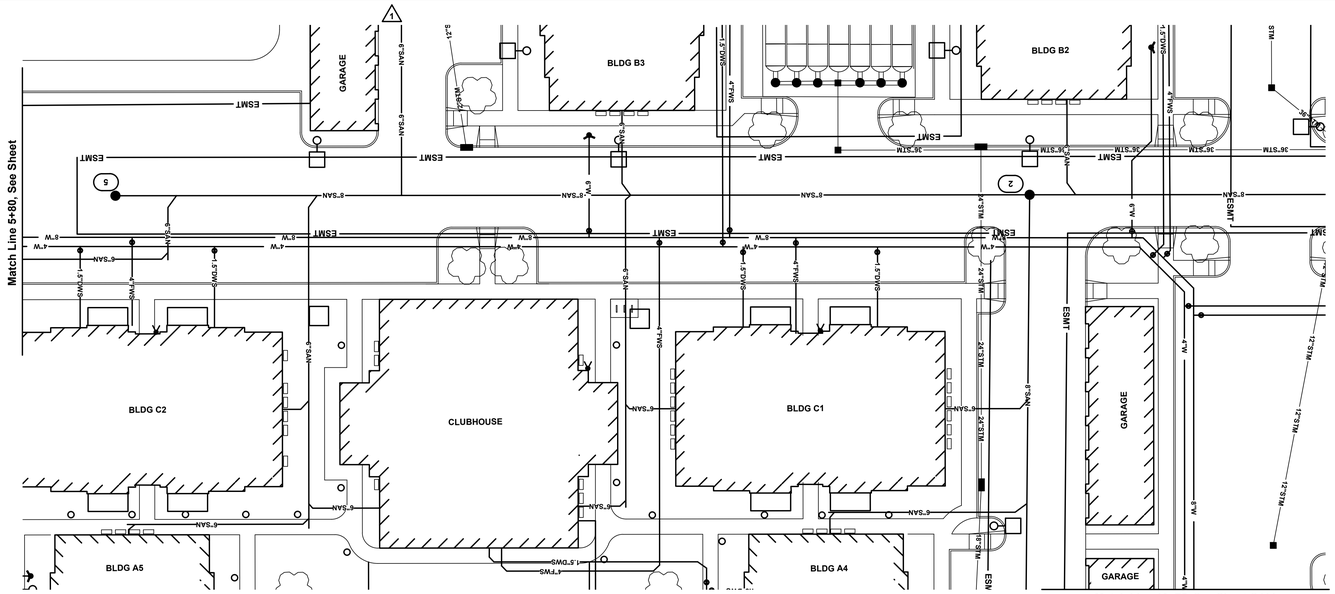
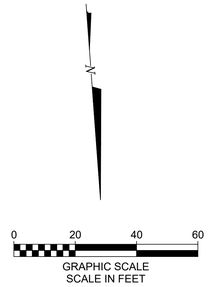
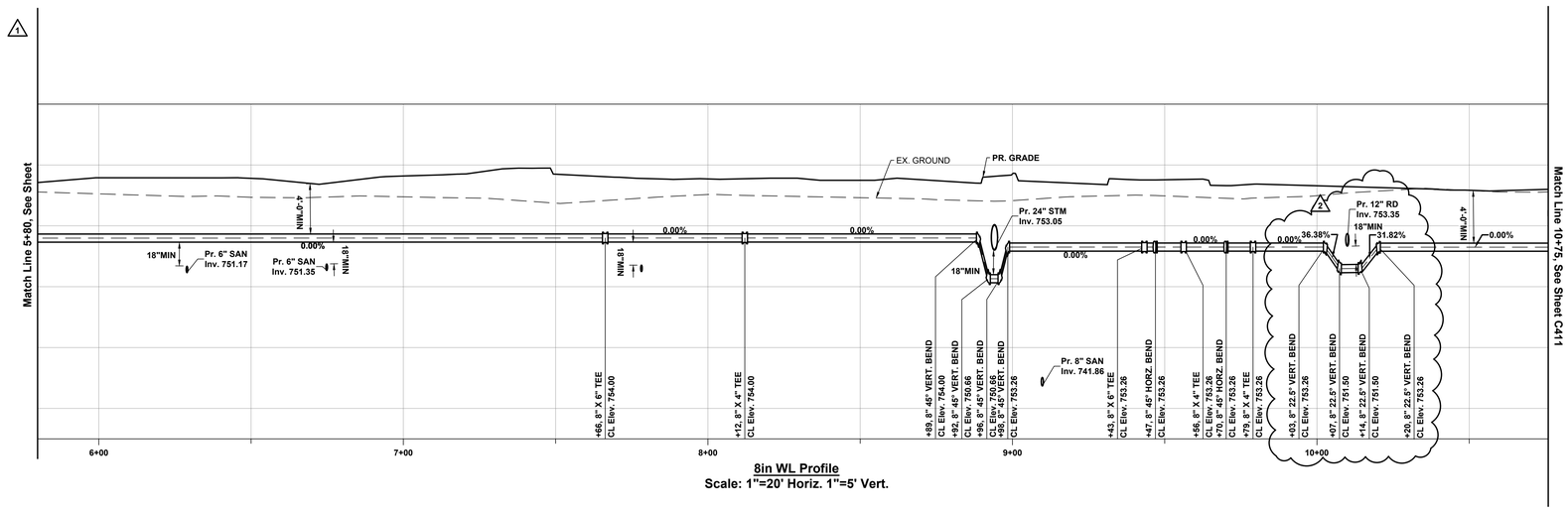




CODED NOTES:

1. BACKFILL WITH COMPACTED BACKFILL PER CMSC ITEM 911.
2. BACKFILL WITH COMPACTED GRANULAR MATERIAL PER CMSC ITEM 912.
3. PVC PIPE PER SPEC SECTION 331100.
4. DUCTILE IRON PIPE PER SPEC SECTION 331100.



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Scale: 1"=20' Horiz. 1"=5' Vert.

#	DATE	CHANGE DESCRIPTION
1	05/30/2025	ADDENDUM# 01
1	06/25/2025	ADDENDUM# 02

COLUMBUS METROPOLITAN HOUSING AUTHORITY
COMMUNITY. COMMITMENT. COLLABORATION.

THE FALLS ON REFUGEE ROAD
3355 REFUGEE ROAD, COLUMBUS, OH 43232
FOR
CMHA

Moody Nolan
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: 614-461-4664
CERT. NO: FIRM 00197475

DRAWING TITLE:
WATER SERVICE PLAN & PROFILE

KORDA
KORDA / NEMETH ENGINEERING
1650 WATERMARK DRIVE
SUITE 200
COLUMBUS, OHIO 43215

DRAWN BY:	EAM
DESIGNED BY:	EAM
CHECKED BY:	EJW
PROJECT NUMBER:	2022-0431

PROGRESS DRAWING NOT FOR CONSTRUCTION

05/01/2025
23446
C410
CD PROGRESS SET

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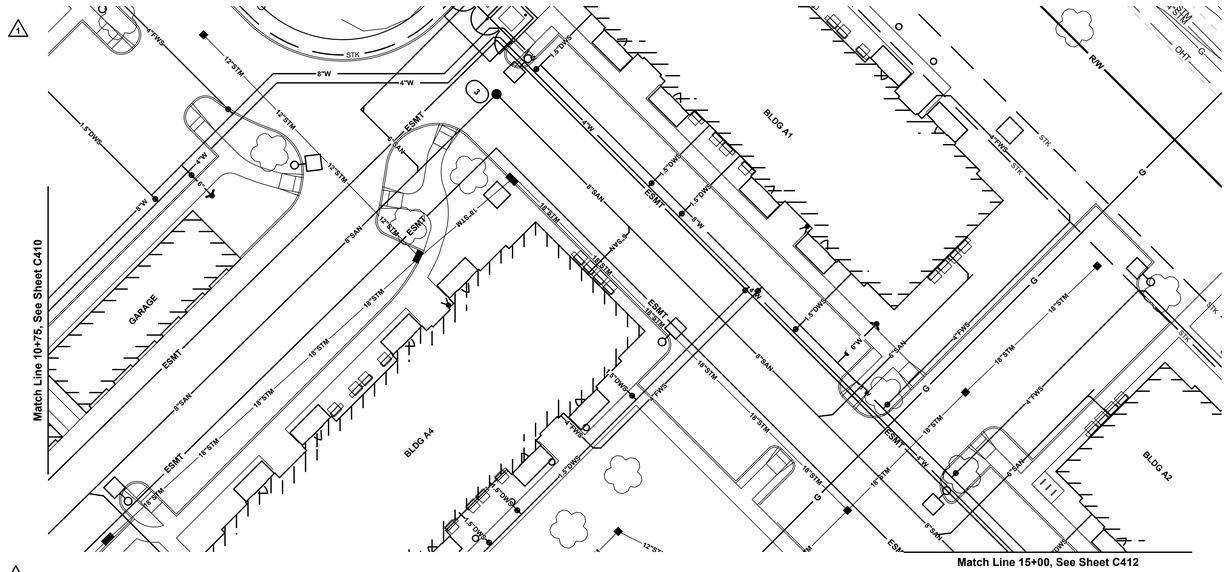

0 20 40 60

GRAPHIC SCALE
SCALE IN FEET

CODED NOTES:

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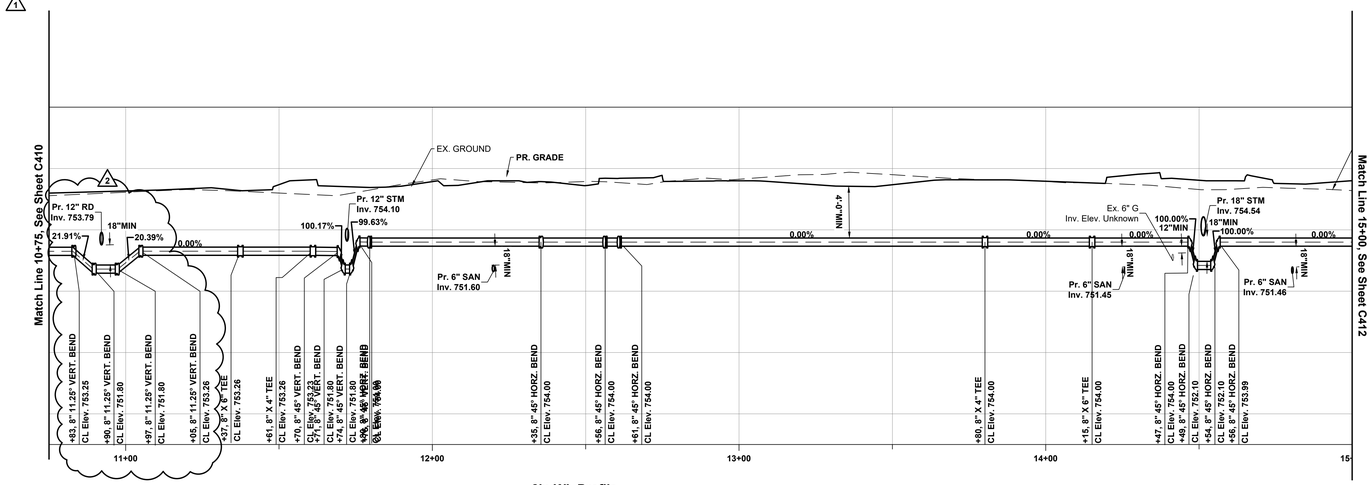

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#	DATE	CHANGE DESCRIPTION
1	05/30/2025	ADDENDUM# 01
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COLUMBUS METROPOLITAN HOUSING AUTHORITY
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THE FALLS ON REFUGEE ROAD
3355 REFUGEE ROAD. COLUMBUS, OH 43232
FOR
CMHA

Moody Nolan
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: 614-461-4664
CERT. NO: FIRM 00197475

DRAWING TITLE:

WATER SERVICE PLAN & PROFILE

KORDA
KORDA/NEMETH ENGINEERING
1650 WATERMARK DRIVE
SUITE 200
COLUMBUS, OHIO 43215

DRAWN BY: EAM
DESIGNED BY: EAM
CHECKED BY: EJW
PROJECT NUMBER: 2022-0431

PROGRESS DRAWING NOT FOR CONSTRUCTION

05/01/2025
23446
2
C411
CD PROGRESS SET

REVIT VERSION: 2023
PRINT DATE: 6/25/2025 10:53 AM
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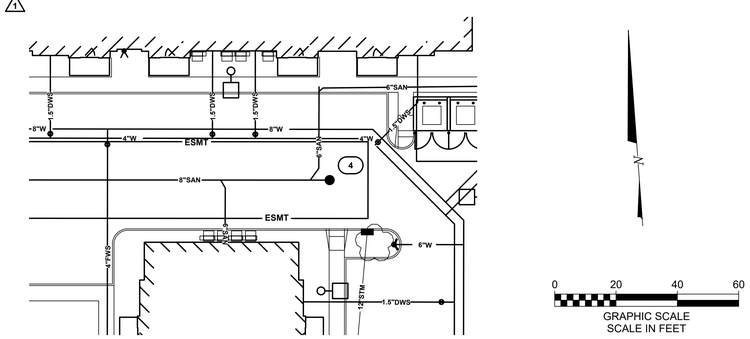

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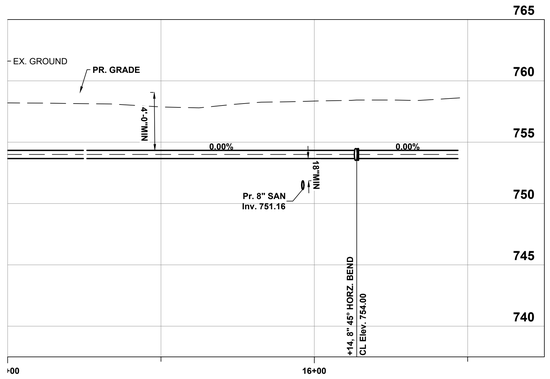

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#	DATE	CHANGE DESCRIPTION
1	05/30/2025	ADDENDUM# 01
1	06/25/2025	ADDENDUM# 02

COLUMBUS METROPOLITAN HOUSING AUTHORITY
COMMUNITY. OPPORTUNITY. COLLABORATION.

THE FALLS ON REFUGEE ROAD
3355 REFUGEE ROAD, COLUMBUS, OH 43232
FOR
CMHA

300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: 614-461-4664
Moody Nolan
CERT. NO: FIRM 00197475

DRAWING TITLE:
WATER SERVICE PLAN & PROFILE

KORDA
KORDA/NEMETH ENGINEERING
1650 WATERMARK DRIVE
SUITE 200
COLUMBUS, OHIO 43215

DRAWN BY:	EAM
DESIGNED BY:	EAM
CHECKED BY:	EJW
PROJECT NUMBER:	2022-0431

PROGRESS DRAWING NOT FOR CONSTRUCTION

05/01/2025
23446
C412
CD PROGRESS SET

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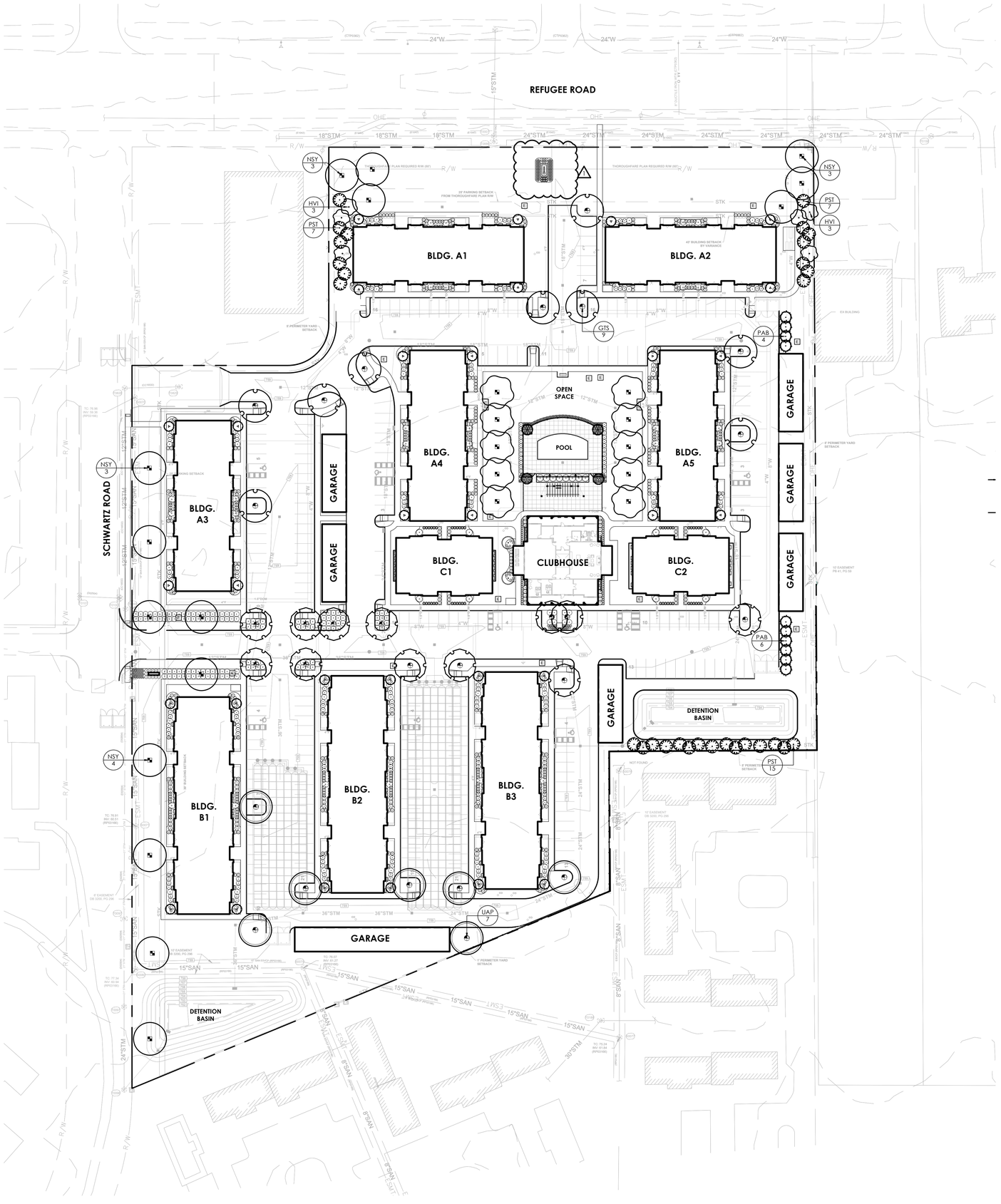
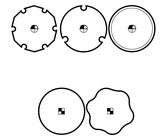


1 OVERALL LANDSCAPE PLAN

Scale: 1" = 40' - 0"

0' 20' 40' 80' NORTH

KEY



ZONING COMPLIANCE

SECTION 3312.21 A INTERIOR LANDSCAPE
PROVIDE ONE TREE FOR EVERY TEN PARKING SPACES.
240 SURFACE SPACES - 27210 = 27.2 OR 28 TREES REQUIRED
TREES PROVIDED = 28

SECTION 3321.05 SITE TRIANGLES
AREAS INDICATED ON PLAN AND ARE UNOBSTRUCTED.

SECTION 3321.07 LANDSCAPING
ONE TREE REQUIRED FOR EVERY (10) DWELLING UNITS
220 UNITS/ 10 = 22 TREES REQUIRED
TREES PROVIDED = 25

GENERAL NOTES:

1. EXAMINE FINISH SURFACE, GRADES, TOPSOIL QUALITY AND DEPTH. DO NOT START ANY WORK UNTIL UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED. VERIFY LIMITS OF WORK BEFORE STARTING.
2. CONTRACTOR IS RESPONSIBLE FOR COST OF REPAIRS TO EXISTING CONDITIONS WHEN DAMAGED BY CONTRACTOR. REPAIR DAMAGES TO THE SATISFACTION OF THE OWNER.
3. ALL PLANT MASSES TO BE CONTAINED WITHIN 3" DEEP HARDWOOD BARK MULCH BED.
4. CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE IN ALL LAWN AREAS.
5. FINE GRADE LAWN AREAS TO PROVIDE A SMOOTH AND CONTINUAL GRADE FREE OF IRREGULARITIES OR DEPRESSIONS.
6. CONTRACTOR SHALL SEED OR SOD ALL AREAS DISTURBED DURING CONSTRUCTION. SEE PLAN.
7. ALL PLANTS SHALL MEET OR EXCEED STANDARDS SET IN THE U.S.A. STANDARD FOR NURSERY STOCK.
8. ALL PLANTING OPERATIONS SHALL ADHERE TO THE AMERICAN ASSOCIATION OF NURSERYMEN STANDARDS.

EDGE
330 W. Spring Street, Suite 350
Columbus, OH 43215
614.486.3343
www.edgela.com

#	DATE	
1	06.25.2025	ADDENDUM #2

COLUMBUS METROPOLITAN HOUSING AUTHORITY

THE FALLS ON REFUGEE ROAD
3355 REFUGEE ROAD, COLUMBUS, OH 43232
FOR
CMHA

Moody Nolan
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: 614-461-4664
CERT. NO: FIRM 00197475

DRAWING TITLE:

LANDSCAPE PLAN - OVERALL SITE

05/01/2025

23446

L1.01

CONSTRUCTION DOCUMENTS

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PRINT DATE: 9/26/2024 10:19:29 AM
FILE PATH: Autodesk Docs://23446_CMHA Refugee Rd Housing Dvlpmt - R23/23446_CMHA Refugee Rd Housing_ARCH_R23.rvt

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REFUGEE ROAD

18" STM ESVCP (E01042)

24" STM CII (E01042)

12" STM ADS (CC16532)

SCHWARTZ ROAD

BLDG. A1

BLDG. A2

BLDG. A3

BLDG. A4

BLDG. A5

BLDG. C1

BLDG. C2

CLUBHOUSE

POOL

OPEN SPACE

SEE CLUBHOUSE PLANTING PLAN #1/L1.04

GARAGE

MONUMENT SIGN

25' BUILDING LINE

25' PARKING SETBACK FROM THOROUGHFARE PLAN R/W

THOROUGHFARE PLAN REQUIRED R/W (80')

5' PERIMETER YARD SETBACK

43' SETBACK VARIANCE

SEED

NSY 3

HVI 3

PST 7

GTS 9

PAB 4

ZSG 12

(6) NFW
(40) HHR
(6) CAK
TC: 758.00
INV 18" W: 753
INV. 24" E: 753

TC: 757.25
INV: 754.00
(E03419)

TC: 757.17
INV: 754.77
(CC16532)

TC: 758.05
IN: 753.50
S: 753.00
(D02504)

(39) HHR
(111) NEW
(43) HPJ
(31) HPJ
(8) HPJ
(7) HPJ
(18) HPJ
(11) HPJ
(4) HPJ
(12) LMV

GENERAL NOTES:

1. EXAMINE FINISH SURFACE, GRADES, TOPSOIL QUALITY AND DEPTH. DO NOT START ANY WORK UNTIL UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED. VERIFY LIMITS OF WORK BEFORE STARTING.
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3. ALL PLANT MASSES TO BE CONTAINED WITHIN 3" DEEP HARDWOOD BARK MULCH BED.
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5. FINE GRADE LAWN AREAS TO PROVIDE A SMOOTH AND CONTINUAL GRADE FREE OF IRREGULARITIES OR DEPRESSIONS.
6. CONTRACTOR SHALL SEED OR SOD ALL AREAS DISTURBED DURING CONSTRUCTION. SEE PLAN.
7. ALL PLANTS SHALL MEET OR EXCEED STANDARDS SET IN THE U.S.A. STANDARD FOR NURSERY STOCK.
8. ALL PLANTING OPERATIONS SHALL ADHERE TO THE AMERICAN ASSOCIATION OF NURSERYMEN STANDARDS.

PLANTING CONSTRUCTION NOTES:

1. NEW LAWN AREA. FILL AREA WITH CLEAN FILL, AS REQUIRED TO BRING TO GRADE, PROVIDING TOPSOIL ON TOP 4" (MIN.) AND MEETING ADJACENT SURFACES FLUSH. PROVIDE POSITIVE DRAINAGE ACROSS ALL SURFACES.
2. LANDSCAPE AREA. PROVIDE MINIMUM DEPTH OF 18" SOIL MIX. HOLD TOP OF SOIL DOWN 3" FROM TOP OF CURB AND/OR ADJACENT PAVEMENT TO ALLOW FOR INSTALLATION OF MULCH. PROVIDE POSITIVE DRAINAGE ACROSS ALL SURFACES.
3. CEDAR SCREEN FENCE - SEE DETAIL #3/ L1.05.

1 LANDSCAPE PLAN - NORTH

Scale: 1" = 20' - 0"

0' 10' 20' 40' NORTH

REVIT VERSION: 2023
PRINT DATE: 5/6/2024 10:15:29 AM
FILE INFO: - Autodesk Docs://23446_CMHA Refugee Rd Housing Dvlpmt - R23\23446_CMHA Refugee Rd Housing_ARCH_R23.rvt

EDGE
330 W. Spring Street, Suite 350
Columbus, OH 43215
614.486.3343
www.edgela.com

#	DATE	
1	06.25.2025	ADDENDUM #2

COLUMBUS METROPOLITAN HOUSING AUTHORITY

THE FALLS ON REFUGEE ROAD
3355 REFUGEE ROAD, COLUMBUS, OH 43232
FOR
CMHA

Moody Nolan
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: 614-461-4664
CERT. NO: FIRM 00197475

DRAWING TITLE:
LANDSCAPE PLAN - NORTH

05/01/2025
23446
L1.02
CONSTRUCTION DOCUMENTS

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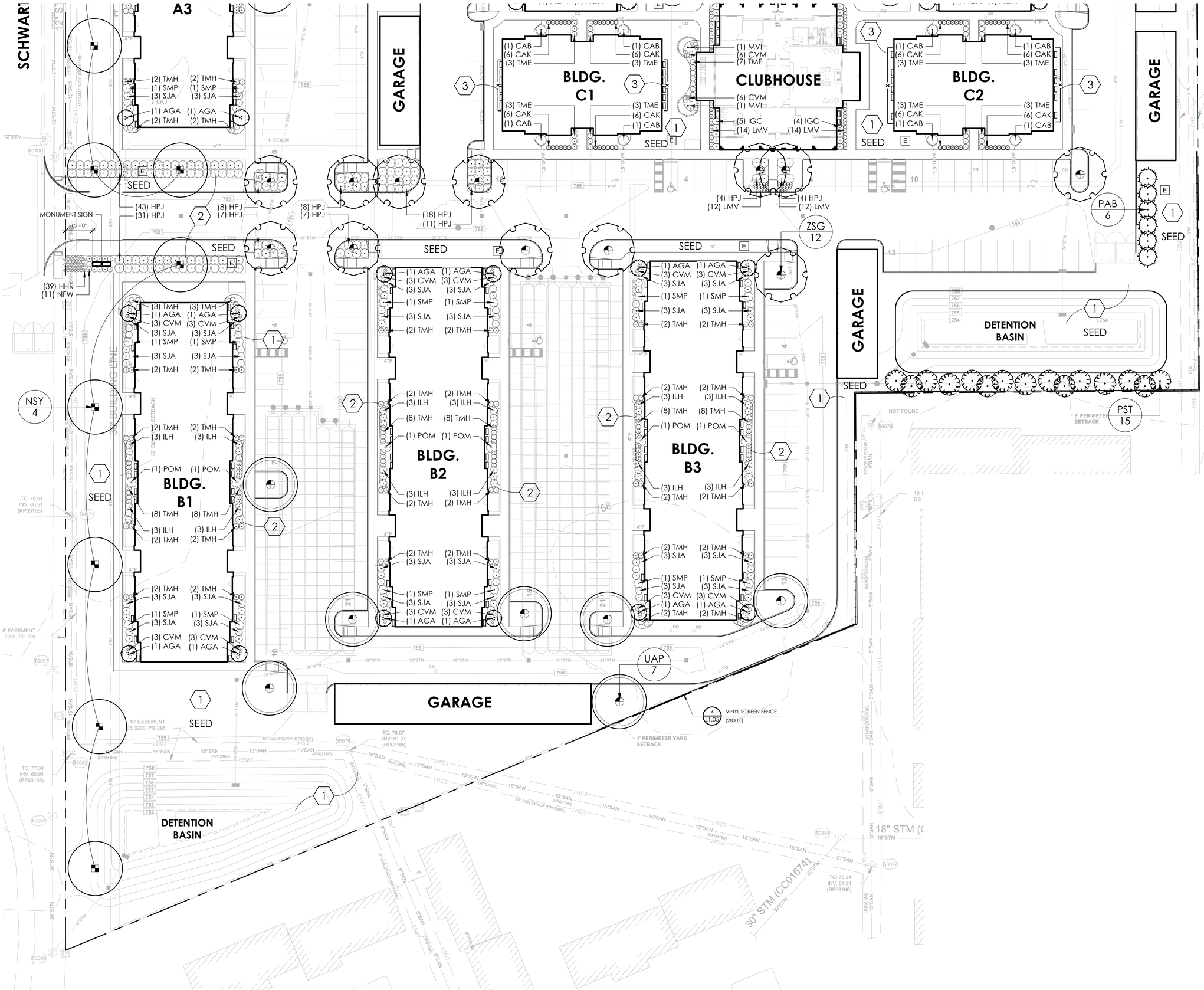

1 LANDSCAPE PLAN - SOUTH

Scale: 1" = 20' - 0"

0' 10' 20' 40' NORTH

REVIT VERSION: 2023
PRINT DATE: 5/26/2024 10:15:29 AM
FILE INFO: Autosave Docs\23446_CMHA Refugee Rd Housing Dvlpmt_R23\23446_CMHA Refugee Rd Housing_ARCH_R23.rvt

GENERAL NOTES:

1. EXAMINE FINISH SURFACE, GRADES, TOPSOIL QUALITY AND DEPTH. DO NOT START ANY WORK UNTIL UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED. VERIFY LIMITS OF WORK BEFORE STARTING.
2. CONTRACTOR IS RESPONSIBLE FOR COST OF REPAIRS TO EXISTING CONDITIONS WHEN DAMAGED BY CONTRACTOR. REPAIR DAMAGES TO THE SATISFACTION OF THE OWNER.
3. ALL PLANT MASSES TO BE CONTAINED WITHIN 3" DEEP HARDWOOD BARK MULCH BED.
4. CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE IN ALL LAWN AREAS.
5. FINE GRADE LAWN AREAS TO PROVIDE A SMOOTH AND CONTINUAL GRADE FREE OF IRREGULARITIES OR DEPRESSIONS.
6. CONTRACTOR SHALL SEED OR SOD ALL AREAS DISTURBED DURING CONSTRUCTION. SEE PLAN.
7. ALL PLANTS SHALL MEET OR EXCEED STANDARDS SET IN THE U.S.A. STANDARD FOR NURSERY STOCK.
8. ALL PLANTING OPERATIONS SHALL ADHERE TO THE AMERICAN ASSOCIATION OF NURSERYMEN STANDARDS.

PLANTING CONSTRUCTION NOTES:

1. NEW LAWN AREA. FILL AREA WITH CLEAN FILL, AS REQUIRED TO BRING TO GRADE, PROVIDING TOPSOIL ON TOP 4" (MIN.) AND MEETING ADJACENT SURFACES FLUSH. PROVIDE POSITIVE DRAINAGE ACROSS ALL SURFACES.
2. LANDSCAPE AREA. PROVIDE MINIMUM DEPTH OF 18" SOIL MIX. HOLD TOP OF SOIL DOWN 3" FROM TOP OF CURB AND/OR ADJACENT PAVEMENT TO ALLOW FOR INSTALLATION OF MULCH. PROVIDE POSITIVE DRAINAGE ACROSS ALL SURFACES.
3. CEDAR SCREEN FENCE - SEE DETAIL #3/ L1.05.

EDGE
330 W. Spring Street, Suite 350
Columbus, OH 43215
614.486.3343
www.edgela.com

#	DATE	
1	06.25.2025	ADDENDUM #2

COLUMBUS METROPOLITAN HOUSING AUTHORITY

THE FALLS ON REFUGEE ROAD
3355 REFUGEE ROAD, COLUMBUS, OH 43232
FOR
CMHA

Moody Nolan
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: 614-461-4664
CERT. NO: FIRM 00197475

DRAWING TITLE:
LANDSCAPE PLAN - SOUTH

05/01/2025
23446
L1.03
CONSTRUCTION DOCUMENTS

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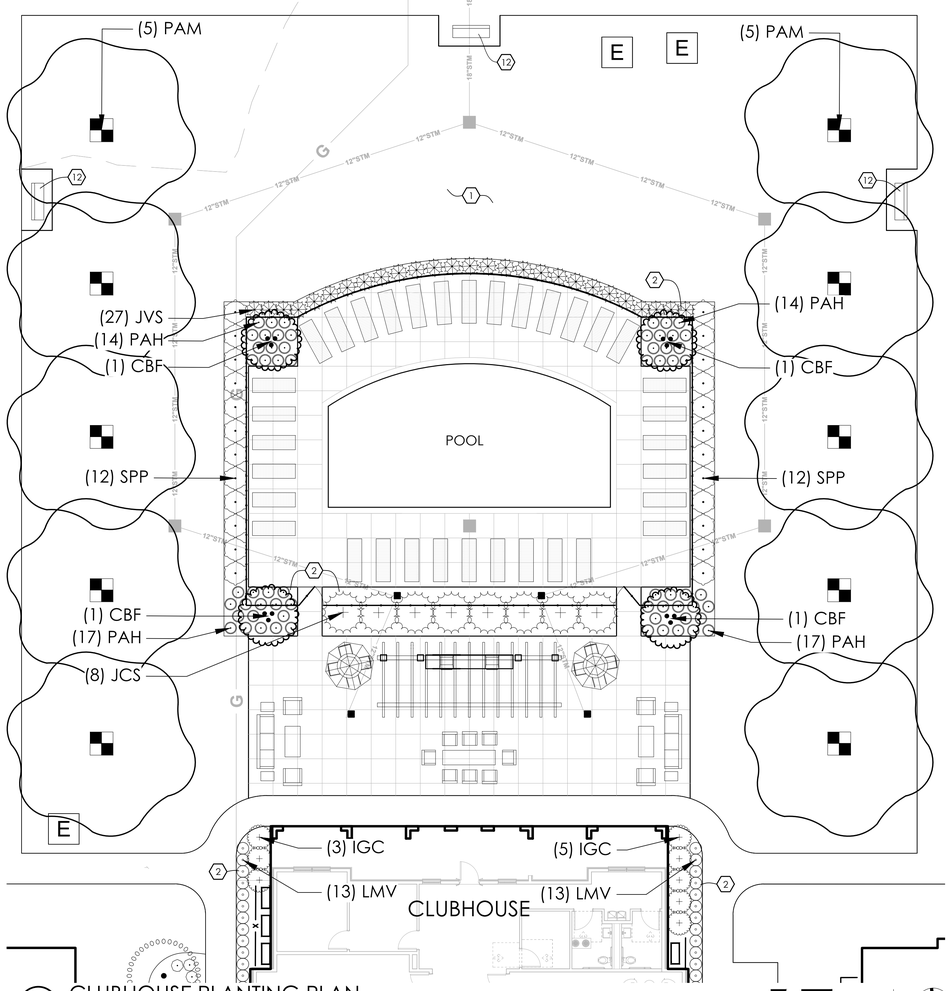

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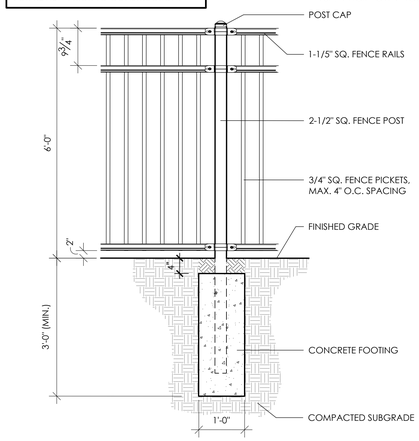
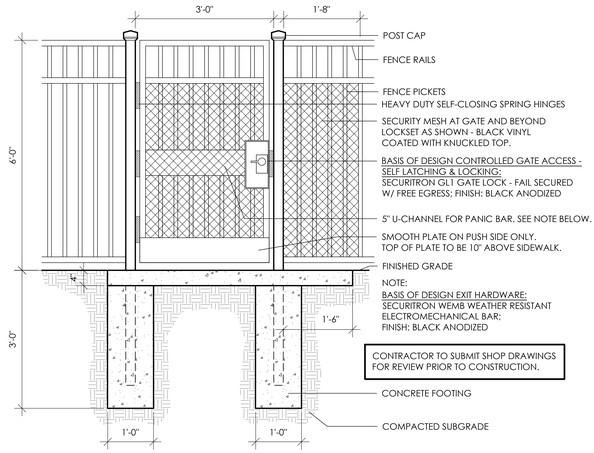
CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR REVIEW PRIOR TO CONSTRUCTION.

NOTES:
STEEL W/ FLUSH BOTTOM PICKETED FENCE/ GATES
MANUFACTURER: AMERISTAR
MODEL: AEGIS PLUS
STYLE: MAJESTIC
FINISH: BLACK POWDERCOATED

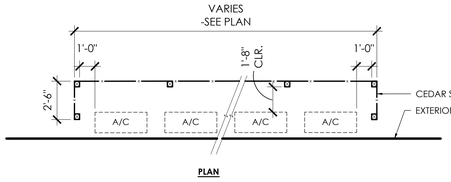


1 STEEL FENCE - POOL ONLY
SCALE = NTS



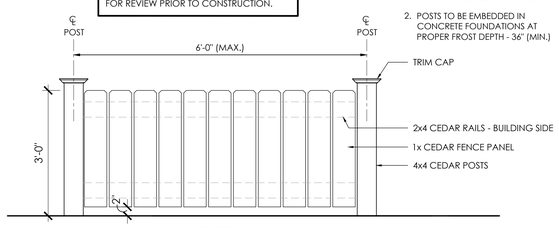
CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR REVIEW PRIOR TO CONSTRUCTION.

2 STEEL FENCE GATE - POOL ONLY
NTS



CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR REVIEW PRIOR TO CONSTRUCTION.

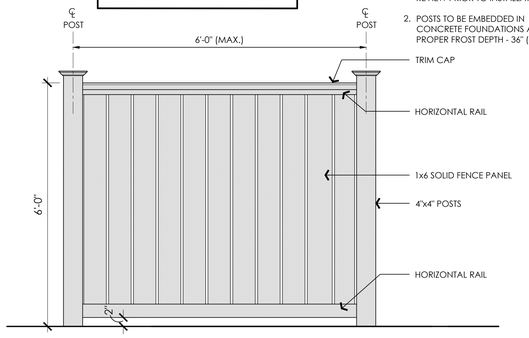
NOTE:
1. FENCE TO BE 1x CEDAR PLANKS. FINISH: UNTREATED, NATURAL
2. POSTS TO BE EMBEDDED IN CONCRETE FOUNDATIONS AT PROPER FROST DEPTH - 36" (MIN.)



3 CEDAR SCREEN FENCE FOR SCREENING A/C CONDENSERS
NTS

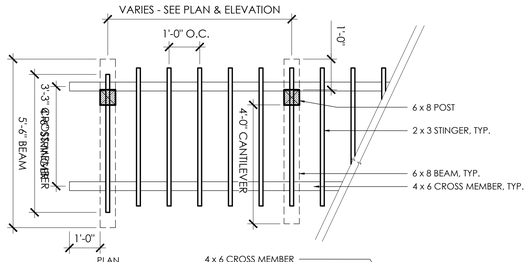
CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR REVIEW PRIOR TO CONSTRUCTION.

NOTE:
1. FENCE TO BE VINYL PANEL SLATS. COLOR: TBD; SUBMIT SAMPLES FOR REVIEW PRIOR TO INSTALLATION.
2. POSTS TO BE EMBEDDED IN CONCRETE FOUNDATIONS AT PROPER FROST DEPTH - 36" (MIN.)

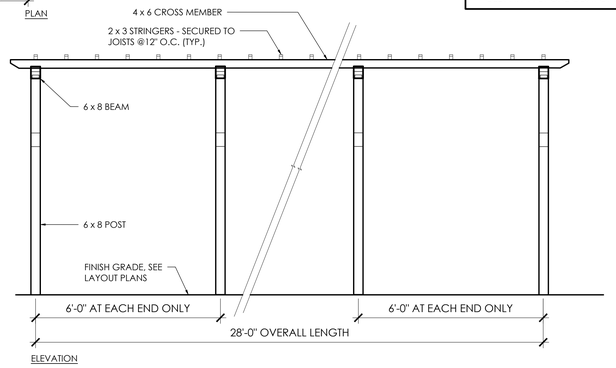


ELEVATION

4 VINYL SCREEN FENCE
NTS

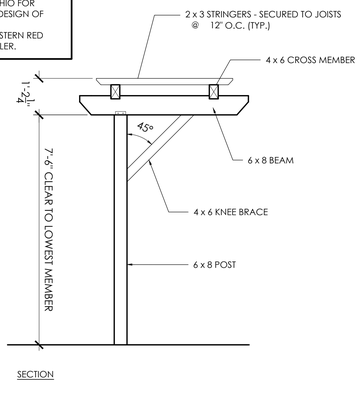


PLAN



ELEVATION

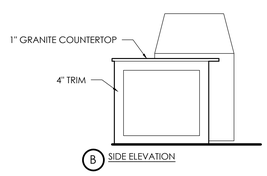
NOTE:
1. DETAIL SHOWN IS FOR DESIGN INTENT ONLY. FURTHER COORDINATION REQUIRED WITH CLIENT.
2. DELEGATED DESIGN - CONTRACTOR TO SUBMIT ENGINEERED SHOP DRAWINGS AND MATERIAL SAMPLES FOR ALL FINISHES AND COLORS TO OWNER AND LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO INSTALLATION.
3. CONTRACTOR TO PROVIDE ENGINEERED SEALED DRAWINGS BY A PROFESSIONAL ENGINEER REGISTERED IN OHIO FOR STRUCTURE, CONNECTIONS AND FOUNDATION DESIGN OF THE PERGOLA.
4. ALL EXPOSED LUMBER TO BE SMOOTH SAWN WESTERN RED CEDAR. APPLY ONE COAT OF PENETRATING SEALER.



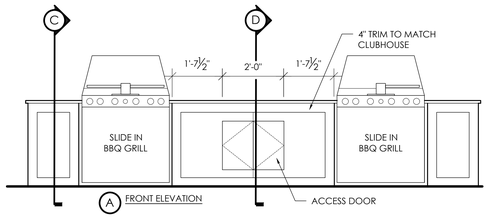
SECTION

5 CANTILEVERED PERGOLA
SCALE = NTS

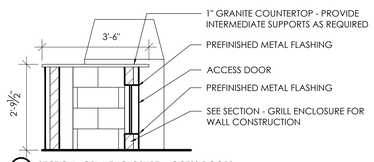
NOTE:
1. DETAIL SHOWN IS FOR DESIGN INTENT ONLY. FURTHER COORDINATION REQUIRED WITH CLIENT.
2. DELEGATED DESIGN - CONTRACTOR TO SUBMIT ENGINEERED SHOP DRAWINGS AND MATERIAL SAMPLES FOR ALL FINISHES AND COLORS TO OWNER AND LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO INSTALLATION.



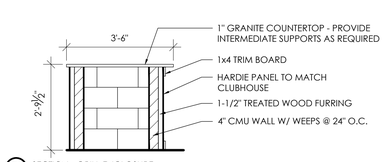
B SIDE ELEVATION



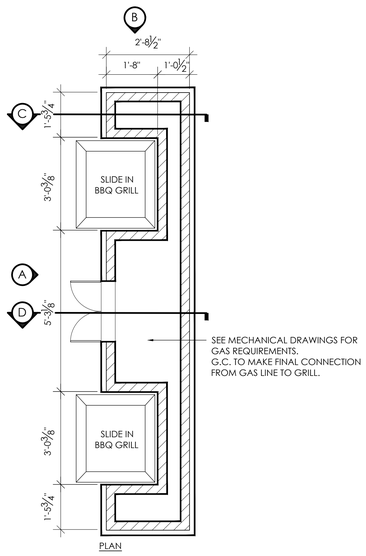
A FRONT ELEVATION



C SECTION - GRILL ENCLOSURE; ACCESS DOORS



D SECTION - GRILL ENCLOSURE

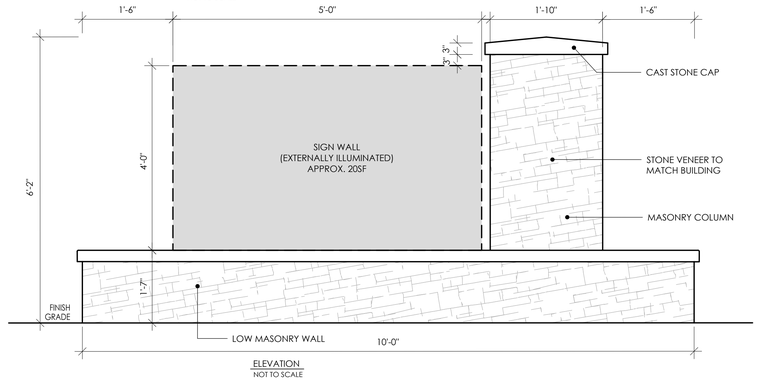


PLAN

6 GRILL ISLAND
SCALE = NTS

PERSPECTIVE VIEW
NOT TO SCALE

NOTES:
1. DETAIL SHOWN FOR DESIGN INTENT ONLY. FINAL SIGNAGE PLANS TO BE PROVIDED BY SIGN VENDOR FOR REVIEW AND APPROVAL.



ELEVATION
NOT TO SCALE

7 MONUMENT SIGN (REFUGEE ROAD SIGN)
SCALE: 1" = 1'-0"

EDGE
330 W. Spring Street, Suite 350
Columbus, OH 43215
614.486.3343
www.edgela.com

#	DATE	
1	06.25.2025	ADDENDUM #2

COLUMBUS METROPOLITAN HOUSING AUTHORITY
COMMUNITY. COMMITMENT. COLLABORATION.

THE FALLS ON REFUGEE ROAD
3355 REFUGEE ROAD, COLUMBUS, OH 43232
FOR
CMHA

Moody Nolan
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: 614-461-4664
CERT. NO: FIRM 00197475

DRAWING TITLE:
SITE DETAILS

05/01/2025
23446
L1.05
CONSTRUCTION DOCUMENTS

REVIT VERSION: 2023
PRINT DATE: 5/20/2024 10:19:29 AM
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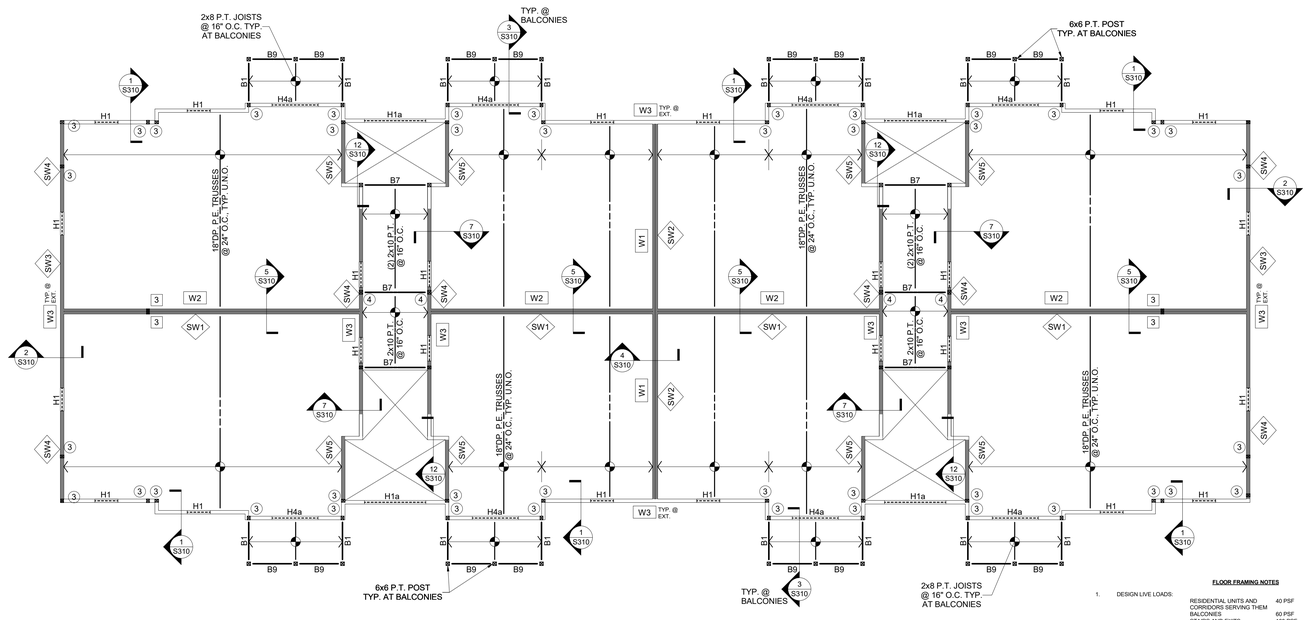


2ND FLOOR FRAMING PLAN

1/8" = 1'-0"

FLOOR FRAMING NOTES

1. DESIGN LIVE LOADS:

RESIDENTIAL UNITS AND CORRIDORS SERVING THEM	40 PSF
BALCONIES	60 PSF
STAIRS AND EXITS	100 PSF

2. FLOOR CONSTRUCTION:

1 3/16"SAP BOARD BY RSP INDUSTRIES OVER 18"DEEP PRE-ENGINEERED 4X2 TRUSSES. GLUE AND SCREW WITH ADHESIVES MEETING APA SPECIFICATIONS APG-01 AND APPLIED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. PROVIDE #8-11.5 x 3"LONG SIMPSON STRONG-TIE WSNTL SCREW @ 6"O.C. AT ALL PANEL EDGES AND 12"O.C. AT ALL INTERMEDIATE SUPPORTS UNLESS NOTED OTHERWISE. PANEL EDGES NEED NOT BE BLOCKED UNLESS NOTED OR DETAILED OTHERWISE.

3. REFERENCE ELEVATION IS 100'-0" = TOP OF FIRST FLOOR SLAB ON GRADE = XXX.XX' ABSOLUTE ELEVATION. TOP OF STEEL/TRUSS BEARING ELEVATION FOR EACH LEVEL IS AS FOLLOWS:

2ND FLOOR:	EL. = 110'-8 5/16"
3RD FLOOR:	EL. = 121'-4 5/8"
ROOF:	EL. = 131'-5 3/4"

4. B#: INDICATES WOOD BEAM PER SCHEDULE. BEAMS MARKED AS "**B#**" ARE TO BE FIRE RATED. SEE DETAILS 7/S002 AND 8/S002 FOR TYPICAL BEAM BEARING SUPPORTS.

5. H#: INDICATES WOOD HEADER FOR WALL OPENINGS PER SCHEDULE. SEE ARCHITECTURAL DRAWINGS FOR OPENING SIZES AND DETAILS 1/S002 AND 2/S002 FOR STANDARD HEADER CONSTRUCTION.

6. (#) 2x6 / (#) 2x4: INDICATES THE NUMBER OF 2x WOOD STUDS REQUIRED TO CREATE A STUD COLUMN SUPPORT UNDER BEAM OR GIRDER BEARING. PROVIDE A MINIMUM OF (2) 2x STUDS AT ALL BEAMS AND GIRDER TRUSSES, UNLESS NOTED OTHERWISE.

7. SW#: INDICATES WOOD FRAMED SHEARWALL. SEE SHEET S200 FOR WOOD FRAMED SHEARWALL SCHEDULE AND TYPICAL DETAILS.

8. HD#: INDICATES WOOD FRAMED SHEARWALL HOLDOWN. SEE SHEET S200 FOR HOLDOWN SCHEDULE. HOLDOWNS INDICATED ARE TO BE INSTALLED AT THE BASE OF WALL FRAMING SUPPORTING THIS PLAN LEVELS STRUCTURE.

9. SEE ARCHITECTURAL DRAWINGS FOR ANY DIMENSIONS NOT INDICATED HEREIN.

10. SEE SHEET S001 FOR GENERAL STRUCTURAL INFORMATION.

WALL STUD SCHEDULE

MARK	FLOOR	STUD SIZE & SPACING	WOOD MATERIAL
W1	3RD FLOOR	2 x 4 @ 24" O.C. EA. SIDE	SPF #1/#2
	2ND FLOOR	2 x 4 @ 24" O.C. EA. SIDE	SPF #1/#2
	1ST FLOOR	2 x 4 @ 24" O.C. EA. SIDE	SPF #1/#2
W2	3RD FLOOR	2 x 4 @ 16" O.C. EA. SIDE	SPF #1/#2
	2ND FLOOR	2 x 4 @ 12" O.C. EA. SIDE	SPF #1/#2
	1ST FLOOR	2 x 6 @ 16" O.C. STAGGERED	SPF #1/#2
W3	3RD FLOOR	2 x 6 @ 16" O.C.	SPF #1/#2
	2ND FLOOR	2 x 6 @ 16" O.C.	SPF #1/#2
	1ST FLOOR	2 x 6 @ 16" O.C.	SPF #1/#2
W4	2ND FLOOR	2 x 4 @ 16" O.C. EA. SIDE	SPF #1/#2

WALL STUD SCHEDULE NOTES:

1. UNLESS NOTED OTHERWISE, STUD MATERIAL GRADE SHALL BE AS INDICATED IN THE GENERAL STRUCTURAL NOTES.
2. "SPF #1/2" INDICATES SPRUCE-PINE-FIR NO.1/NO.2 LUMBER MATERIAL AS GRADED BY N.L.G.A.
3. FRAMING OF ALL STUDS IN MULTI-STORY APPLICATIONS ARE TO ALIGN VERTICALLY WITH EACH OTHER WHERE NO RIM BOARD IS PRESENT TO DISTRIBUTE LOADING. SEE STRUCTURAL DETAILS FOR DISTINCTION.
4. "STAGGERED" STUD WALLS ARE DOUBLE WALLS WITH STUDS OFFSET FROM EACH OTHER AND SPACED AS INDICATED. SEE ARCHITECTURAL U.L. ASSEMBLIES FOR OVERALL WALL THICKNESS.

WOOD HEADER SCHEDULE

MARK	SIZE	JACK STUDS	KING STUDS	Remarks
H1	(3) 2x6	(1) 2x	(1) 2x	
H1a	(3) 2x6	(1) 2x	(2) 2x	
H2	(3) 2x8	(1) 2x	(2) 2x	
H3	(3) 2x10	(1) 2x	(2) 2x	
H3a	(3) 2x10	(2) 2x	(1) 2x	
H4	(3) 2x12	(2) 2x	(2) 2x	
H4a	(3) 2x12	(2) 2x	(3) 2x	
H5	(3) 1-3/4" x 11-1/2" LVL	(2) 2x	(3) 2x	
H6	(3) 1-3/4" x 14" LVL	(2) 2x	(3) 2x	

HEADER SCHEDULE NOTES:

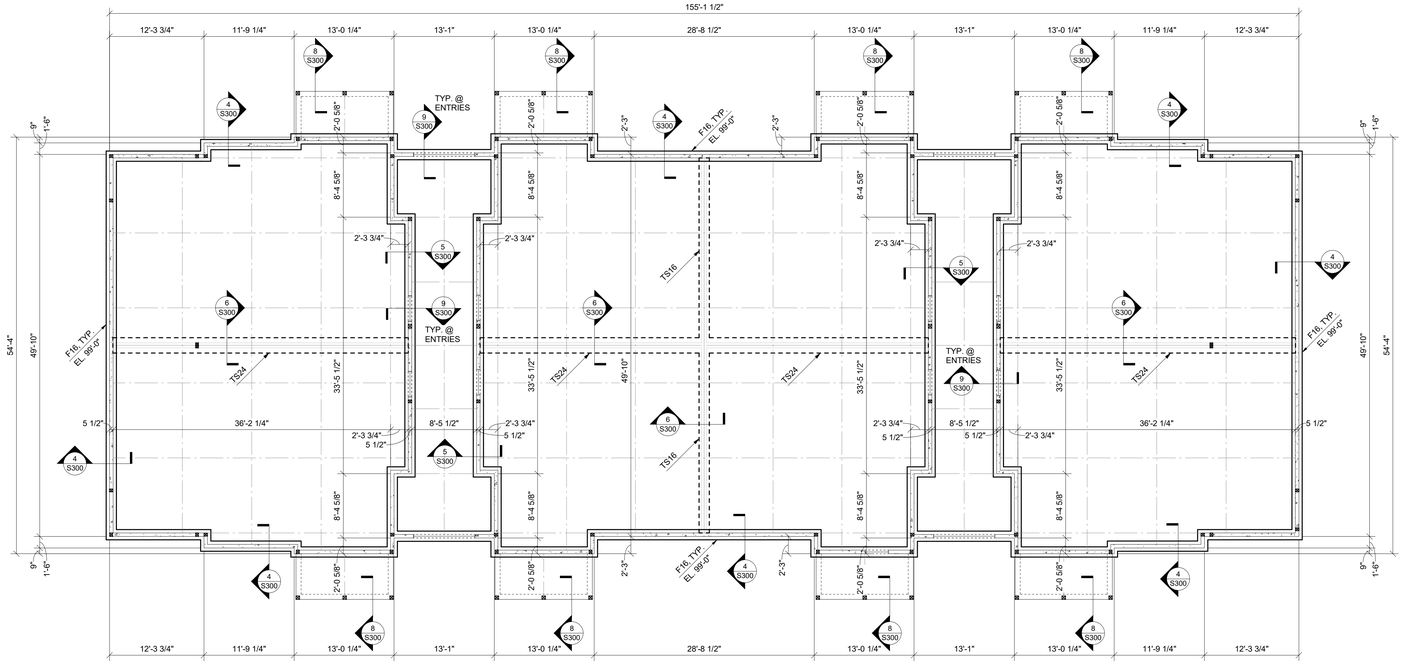
1. JACK AND KING STUDS SHALL MATCH WALL FRAMING SIZE AND SPECIES OF DESIGNATED STUD WALLS THEY ARE INTEGRAL WITH, U.N.O.
2. SEE GENERAL STRUCTURAL NOTES FOR MINIMUM LUMBER GRADES FOR HEADER FRAMING, U.N.O.
3. SEE GENERAL STRUCTURAL NOTES FOR MINIMUM STRUCTURAL COMPOSITE LUMBER DESIGN VALUES.

WOOD BEAM SCHEDULE

MARK	SIZE	REMARKS
B1	(2) 2x8	
B2	(3) 2x8	
B3	(3) 2x8	PT
B4	(3) 2x10	
B5	(3) 2x10	PT
B6	(3) 2x10	PT, SP NO.2
B7	5-1/4" x 9-1/4" PSL	PT, 2.0E
B8	5-1/4" x 11-7/8" PSL	PT, 2.0E
B9	(3) 1-3/4" x 7-1/4" LVL	
B10	(2) 1-3/4" x 18" LVL	SIMPSON HUC416 EA. END
B10a	(2) 1-3/4" x 18" LVL	SIMPSON HUC416 ONE END
B10b	(2) 1-3/4" x 18" LVL	SIMPSON HUCQ412-SDS ONE END
B10c	(2) 1-3/4" x 18" LVL	SIMPSON HGU3.63-SDS ONE END
B11	(3) 1-3/4" x 18" LVL	
B11a	(3) 1-3/4" x 18" LVL	SIMPSON HU616 EA. END
B11b	(3) 1-3/4" x 18" LVL	SIMPSON MGU5.5-SDS ONE END
B12	(4) 1-3/4" x 18" LVL	
B13	(4) 2x10	PT
B14	(2) 2x12	PT
B15	(3) 2x12	PT
B16	(3) 2x12	PT, SP NO.1
B17	5-1/4" x 11-1/4" PSL	PT, 2.0E

WOOD BEAM SCHEDULE NOTES:

1. SEE PLAN FOR COLUMN/SUPPORT POST SIZE.
2. BEAMS SHALL BEAR FULLY ON SUPPORT POSTS WITH POST CAP OR BLOCK ENDS TO RESTRAIN BEAM FROM ROTATION.
3. SEE GENERAL STRUCTURAL NOTES FOR MINIMUM LUMBER GRADES FOR BEAM FRAMING, U.N.O.
4. SEE GENERAL STRUCTURAL NOTES FOR MINIMUM STRUCTURAL COMPOSITE LUMBER DESIGN VALUES.



FOUNDATION PLAN

1/8" = 1'-0"

CONT. WALL FOOTING SCHEDULE

MARK	SIZE	REINFORCING
F16	1'-4" x 2'-4" DP.	(2) #5 CONT. TOP & BOT.
F30	2'-6" x 2'-4" DP.	(3) #5 CONT. TOP & BOT.
TS16	1'-4" x 1'-0" DP.	(2) #5 CONT. BOT.
TS24	2'-0" x 1'-0" DP.	(3) #5 CONT. BOT.

FOUNDATION NOTES

1. DESIGN SOIL BEARING PRESSURE = 3000 PSF. SEE S001 FOR REFERENCE SOILS REPORT INFORMATION. REFERENCE THIS REPORT FOR ANY REQUIRED SITE BUILDING PAD PREPARATION PRIOR TO FOUNDATION AND/OR SLAB-ON-GRADE CONSTRUCTION. FOOTING EXCAVATIONS MAY BE REQUIRED TO EXTEND THROUGH EXISTING FILL REGIONS IN ORDER TO BEAR ON SUITABLE MATERIAL. OVER-EXCAVATIONS ARE TO BE FILLED WITH LEAN CONCRETE UP TO THE PLANNED BOTTOM OF FOOTING ELEVATION. PLACE NO CONCRETE PRIOR TO INSPECTION AND APPROVAL OF BEARING SURFACES BY SOILS ENGINEER.
2. KEEP FOUNDATIONS FREE OF WATER AT ALL TIMES. REPLACE WEAKENED SOIL WITH LEAN CONCRETE OR FLOWABLE FILL.
3. BOTTOM OF FOOTINGS ARE TO BE AT LEAST 32-INCHES BELOW THE ADJACENT EXTERIOR FINISHED GRADE FOR FROST PROTECTION.
4. ELEVATIONS SHOWN ON FOOTINGS INDICATE ELEVATION AT TOP OF FOOTING. REFERENCE ELEVATIONTOP OF CONCRETE SLAB ELEVATION AS NOTED ON PLANS. COORDINATE ABSOLUTE ELEVATION OF TOP OF SLAB WITH SITE DRAWINGS.
5. ▼ INDICATES FOOTING STEP PER SECTION 2/S300. STEP AT A RATIO NOT TO EXCEED ONE VERTICAL TO TWO HORIZONTAL.
6. PROVIDE CORNER BARS AT ALL FOOTING AND CONCRETE WALL INTERSECTIONS PER DETAIL 12/S002.
7. SEE SHEET S001 FOR GENERAL STRUCTURAL INFORMATION.

#	DATE	CHANGE DESCRIPTION
1	05/30/2025	ADDENDUM #01
2	06/25/2025	ADDENDUM #02

COLUMBUS METROPOLITAN HOUSING AUTHORITY
COMMUNITY. COMMITMENT. COLLABORATION.

CMHA REFUGEE ROAD HOUSING DEVELOPMENT
3355 REFUGEE ROAD. COLUMBUS, OH 43232
FOR
CMHA

Moody Nolan
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: 614-461-4664
CERT. NO: FIRM 00197475

DRAWING TITLE:
FOUNDATION PLAN AND 2ND FLOOR FRAMING PLAN- BLDG. A

PROGRESS DRAWING NOT FOR CONSTRUCTION

05/01/2025
23446

S101-A

CD PROGRESS SET

REVIT VERSION: 2023
PRINT DATE: 6/25/2025 10:42:06 AM
FILE INFO: Autodesk Docs://23446_CMHA Refugee Rd Housing Dvlpmt_R23/24.35.661_CMHA Refugee Rd Apts_Struct (R23).rvt

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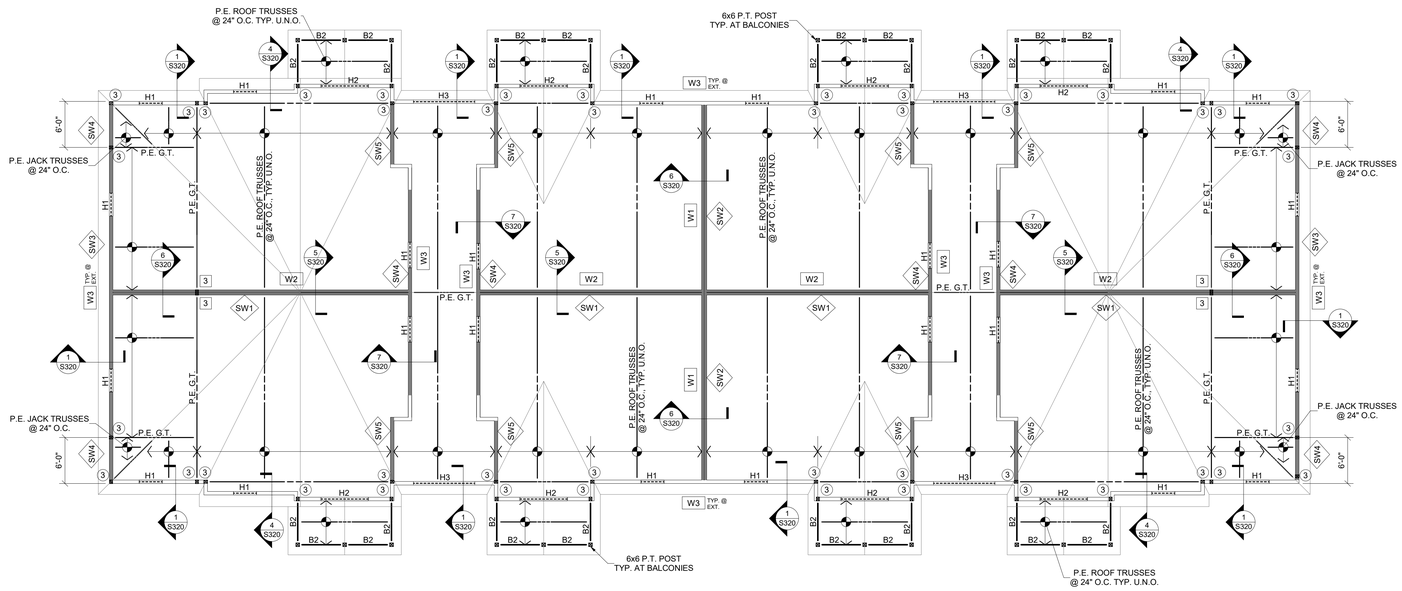


ROOF FRAMING PLAN

1/8" = 1'-0"

ROOF FRAMING NOTES

1. DESIGN LIVE LOADS:
   - SLOPED ROOF LIVE 16 PSF
   - SLOPED ROOF SNOW 15 PSF
   - WIND (ASD NET UPLIFT) 15 PSF
2. ROOF CONSTRUCTION:
   - 3/4" NOMINAL APA RATED SHEATHING ON PRE-ENGINEERED WOOD TRUSSES OR 2x FRAMING. UNLESS NOTED OTHERWISE, FASTEN SHEATHING TO SUPPORTS AS INDICATED IN THE GENERAL STRUCTURAL NOTES.
3. INDICATES INFILL FRAMING LOCATION. VALLEY SET TRUSSES MAY BE SUBSTITUTED AT CONTRACTOR'S OPTION. INFILL FRAMING IS TO UNIFORMLY DISTRIBUTE LOADING TO UNDERLYING ROOF WITH A MAXIMUM SUPPORT SPACING OF 2'-0". DO NOT STICK-BUILD WITH RIDGE BEAM AND RAFTERS.
4. TRUSS BEARING ELEVATION = 131'-5 3/4" UNLESS NOTED OTHERWISE. REFERENCE ELEVATION 100'-0" = TOP OF FIRST FLOOR SLAB ON GRADE.
5. B#: INDICATES WOOD BEAM PER SCHEDULE. SEE DETAILS 7/S002 AND 8/S002 FOR TYPICAL BEAM BEARING SUPPORTS.
6. H#: INDICATES WOOD HEADER FOR WALL OPENINGS PER SCHEDULE. SEE ARCHITECTURAL DRAWINGS FOR OPENING SIZES AND DETAILS 1/S002 AND 2/S002 FOR STANDARD HEADER CONSTRUCTION.
7. (#)2x6 / (#)2x4: INDICATES THE NUMBER OF 2x WOOD STUDS REQUIRED TO CREATE A STUD COLUMN SUPPORT UNDER BEAM OR GIRDER BEARING. PROVIDE A MINIMUM OF (2) 2x STUDS AT ALL BEAMS AND GIRDER TRUSSES, UNLESS NOTED OTHERWISE.
8. SW#: INDICATES WOOD FRAMED SHEARWALL. SEE SHEET S200 FOR WOOD FRAMED SHEARWALL SCHEDULE AND TYPICAL DETAILS.
9. HD#: INDICATES WOOD FRAMED SHEARWALL HOLDOWN. SEE SHEET S200 FOR HOLDOWN SCHEDULE. HOLDOWNS INDICATED ARE TO BE INSTALLED AT THE BASE OF WALL FRAMING SUPPORTING THIS PLAN LEVELS STRUCTURE.
10. SEE ARCHITECTURAL DRAWINGS FOR ANY DIMENSIONS NOT INDICATED HEREIN.
11. SEE SHEET S001 FOR GENERAL STRUCTURAL INFORMATION.

2

WALL STUD SCHEDULE

MARK	FLOOR	STUD SIZE & SPACING	WOOD MATERIAL
W1	3RD FLOOR	2 x 4 @ 24" O.C. EA. SIDE	SPF #1/#2
	2ND FLOOR	2 x 4 @ 24" O.C. EA. SIDE	SPF #1/#2
	1ST FLOOR	2 x 4 @ 24" O.C. EA. SIDE	SPF #1/#2
W2	3RD FLOOR	2 x 4 @ 16" O.C. EA. SIDE	SPF #1/#2
	2ND FLOOR	2 x 4 @ 12" O.C. EA. SIDE	SPF #1/#2
	1ST FLOOR	2 x 6 @ 16" O.C. STAGGERED	SPF #1/#2
W3	3RD FLOOR	2 x 6 @ 16" O.C.	SPF #1/#2
	2ND FLOOR	2 x 6 @ 16" O.C.	SPF #1/#2
	1ST FLOOR	2 x 6 @ 16" O.C.	SPF #1/#2
W4	2ND FLOOR	2 x 4 @ 16" O.C. EA. SIDE	SPF #1/#2

WALL STUD SCHEDULE NOTES:

1. UNLESS NOTED OTHERWISE, STUD MATERIAL GRADE SHALL BE AS INDICATED IN THE GENERAL STRUCTURAL NOTES.
2. 'SPF #1/2' INDICATES SPRUCE-PINE-FIR NO.1/NO.2 LUMBER MATERIAL AS GRADED BY N.L.G.A.
3. FRAMING OF ALL STUDS IN MULTI-STORY APPLICATIONS ARE TO ALIGN VERTICALLY WITH EACH OTHER WHERE NO RIM BOARD IS PRESENT TO DISTRIBUTE LOADING. SEE STRUCTURAL DETAILS FOR DISTINCTION.
4. 'STAGGERED' STUD WALLS ARE DOUBLE WALLS WITH STUDS OFFSET FROM EACH OTHER AND SPACED AS INDICATED. SEE ARCHITECTURAL U.L. ASSEMBLIES FOR OVERALL WALL THICKNESS.

WOOD HEADER SCHEDULE

MARK	SIZE	JACK STUDS	KING STUDS	Remarks
H1	(3) 2x6	(1) 2x	(1) 2x	
H1a	(3) 2x6	(1) 2x	(2) 2x	
H2	(3) 2x8	(1) 2x	(2) 2x	
H3	(3) 2x10	(1) 2x	(2) 2x	
H3a	(3) 2x10	(2) 2x	(1) 2x	
H4	(3) 2x12	(2) 2x	(2) 2x	
H4a	(3) 2x12	(2) 2x	(3) 2x	
H5	(3) 1-3/4" x 11-1/2" LVL	(2) 2x	(3) 2x	
H6	(3) 1-3/4" x 14" LVL	(2) 2x	(3) 2x	

HEADER SCHEDULE NOTES:

1. JACK AND KING STUDS SHALL MATCH WALL FRAMING SIZE AND SPECIES OF DESIGNATED STUD WALLS THEY ARE INTEGRAL WITH, U.N.O.
2. SEE GENERAL STRUCTURAL NOTES FOR MINIMUM LUMBER GRADES FOR HEADER FRAMING, U.N.O.
3. SEE GENERAL STRUCTURAL NOTES FOR MINIMUM STRUCTURAL COMPOSITE LUMBER DESIGN VALUES.

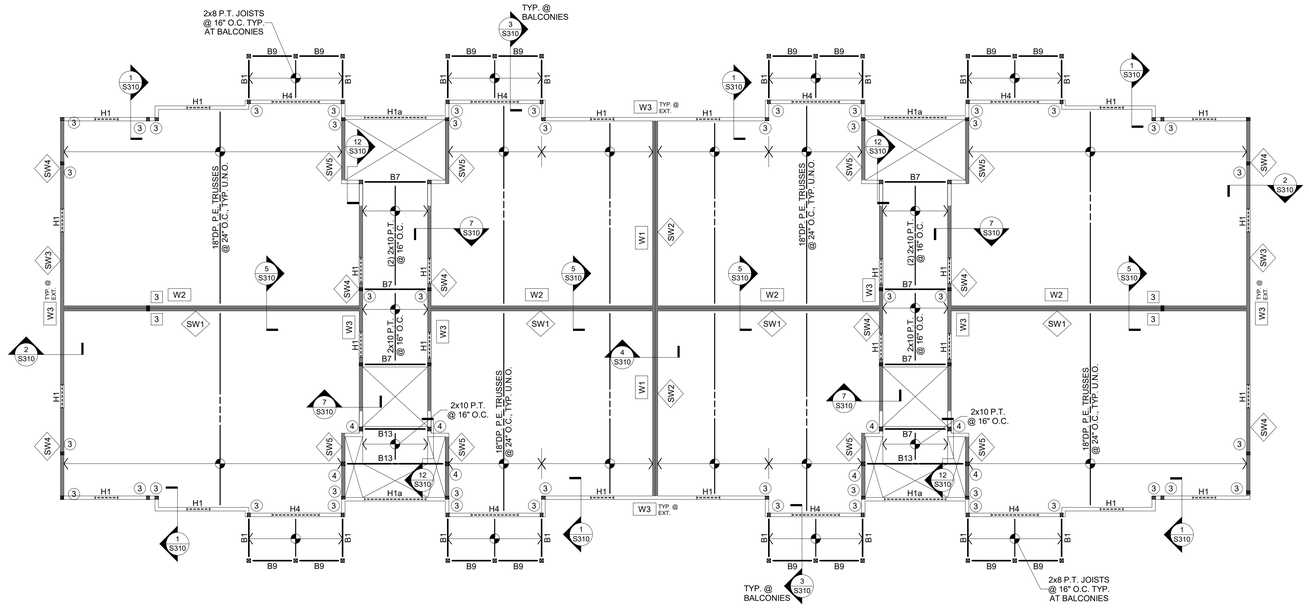
WOOD BEAM SCHEDULE

MARK	SIZE	REMARKS
B1	(2) 2x8	
B2	(3) 2x8	
B3	(3) 2x8	PT
B4	(3) 2x10	
B5	(3) 2x10	PT
B6	(3) 2x10	PT, SP NO.2
B7	5-1/4" x 9-1/4" PSL	PT, 2.0E
B8	5-1/4" x 11-7/8" PSL	PT, 2.0E
B9	(3) 1-3/4" x 7-1/4" LVL	
B10	(2) 1-3/4" x 18" LVL	SIMPSON HUC416 EA. END
B10a	(2) 1-3/4" x 18" LVL	SIMPSON HUC416 ONE END
B10b	(2) 1-3/4" x 18" LVL	SIMPSON HUCQ412-SDS ONE END
B10c	(2) 1-3/4" x 18" LVL	SIMPSON HGU3.63-SDS ONE END
B11	(3) 1-3/4" x 18" LVL	
B11a	(3) 1-3/4" x 18" LVL	SIMPSON HU616 EA. END
B11b	(3) 1-3/4" x 18" LVL	SIMPSON MGU5.5-SDS ONE END
B12	(4) 1-3/4" x 18" LVL	
B13	(4) 2x10	PT
B14	(2) 2x12	PT
B15	(3) 2x12	PT
B16	(3) 2x12	PT, SP NO.1
B17	5-1/4" x 11-1/4" PSL	PT, 2.0E

2

WOOD BEAM SCHEDULE NOTES:

1. SEE PLAN FOR COLUMN/SUPPORT POST SIZE.
2. BEAMS SHALL BEAR FULLY ON SUPPORT POSTS WITH POST CAP OR BLOCK ENDS TO RESTRAIN BEAM FROM ROTATION.
3. SEE GENERAL STRUCTURAL NOTES FOR MINIMUM LUMBER GRADES FOR BEAM FRAMING, U.N.O.
4. SEE GENERAL STRUCTURAL NOTES FOR MINIMUM STRUCTURAL COMPOSITE LUMBER DESIGN VALUES.



3RD FLOOR FRAMING PLAN

1/8" = 1'-0"

FLOOR FRAMING NOTES

1. DESIGN LIVE LOADS:
   - RESIDENTIAL UNITS AND CORRIDORS SERVING THEM 40 PSF
   - BALCONIES 60 PSF
   - STAIRS AND EXITS 100 PSF
2. FLOOR CONSTRUCTION:
   - 1 3/16"SAP BOARD BY RSP INDUSTRIES OVER 18"DEEP PRE-ENGINEERED 4X2 TRUSSES. GLUE AND SCREW WITH ADHESIVES MEETING APA SPECIFICATIONS APG-01 AND APPLIED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. PROVIDE #8-11.5 x 212JNG SIMPSON STRONG-TIE WSNTL SCREW @ 6"O.C. AT ALL PANEL EDGES AND 12"O.C. AT ALL INTERMEDIATE SUPPORTS UNLESS NOTED OTHERWISE. PANEL EDGES NEED NOT BE BLOCKED UNLESS NOTED OR DETAILED OTHERWISE.
3. REFERENCE ELEVATION IS 100'-0" = TOP OF FIRST FLOOR SLAB ON GRADE = XXX.XX ABSOLUTE ELEVATION. TOP OF STEEL/TRUSS BEARING ELEVATION FOR EACH LEVEL IS AS FOLLOWS:
   - 2ND FLOOR: EL. = 110'-8 5/16"
   - 3RD FLOOR: EL. = 121'-4 5/8"
   - ROOF: EL. = 131'-5 3/4"
4. B#: INDICATES WOOD BEAM PER SCHEDULE. BEAMS MARKED AS "B#*" ARE TO BE FIRE RATED. SEE DETAILS 7/S002 AND 8/S002 FOR TYPICAL BEAM BEARING SUPPORTS.
5. H#: INDICATES WOOD HEADER FOR WALL OPENINGS PER SCHEDULE. SEE ARCHITECTURAL DRAWINGS FOR OPENING SIZES AND DETAILS 1/S002 AND 2/S002 FOR STANDARD HEADER CONSTRUCTION.
6. (#)2x6 / (#)2x4: INDICATES THE NUMBER OF 2x WOOD STUDS REQUIRED TO CREATE A STUD COLUMN SUPPORT UNDER BEAM OR GIRDER BEARING. PROVIDE A MINIMUM OF (2) 2x STUDS AT ALL BEAMS AND GIRDER TRUSSES, UNLESS NOTED OTHERWISE.
7. SW#: INDICATES WOOD FRAMED SHEARWALL. SEE SHEET S200 FOR WOOD FRAMED SHEARWALL SCHEDULE AND TYPICAL DETAILS.
8. HD#: INDICATES WOOD FRAMED SHEARWALL HOLDOWN. SEE SHEET S200 FOR HOLDOWN SCHEDULE. HOLDOWNS INDICATED ARE TO BE INSTALLED AT THE BASE OF WALL FRAMING SUPPORTING THIS PLAN LEVELS STRUCTURE.
9. SEE ARCHITECTURAL DRAWINGS FOR ANY DIMENSIONS NOT INDICATED HEREIN.
10. SEE SHEET S001 FOR GENERAL STRUCTURAL INFORMATION.

#	DATE	CHANGE DESCRIPTION
1	05/30/2025	ADDENDUM #01
2	06/25/2025	ADDENDUM #02

COLUMBUS METROPOLITAN HOUSING AUTHORITY
COMMUNITY. COMMITMENT. COLLABORATION.

CMHA REFUGEE ROAD HOUSING DEVELOPMENT
3355 REFUGEE ROAD, COLUMBUS, OH 43232
FOR
CMHA

Moody Nolan
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: 614-461-4664
CERT. NO: FIRM 00197475

DRAWING TITLE:
3RD FLOOR AND ROOF FRAMING PLAN- BLDG. A

PROGRESS DRAWING NOT FOR CONSTRUCTION

05/01/2025
23446
S102-A
CD PROGRESS SET

REVIT VERSION: 2023
PRINT DATE: 6/25/2025 10:42:10 AM
FILE INFO: Autodesk Docs://23446_CMHA Refugee Rd Housing Dvlpmt- R23\2A.35.081 - CMHA Refugee Rd Apts- Struct (R23).rvt

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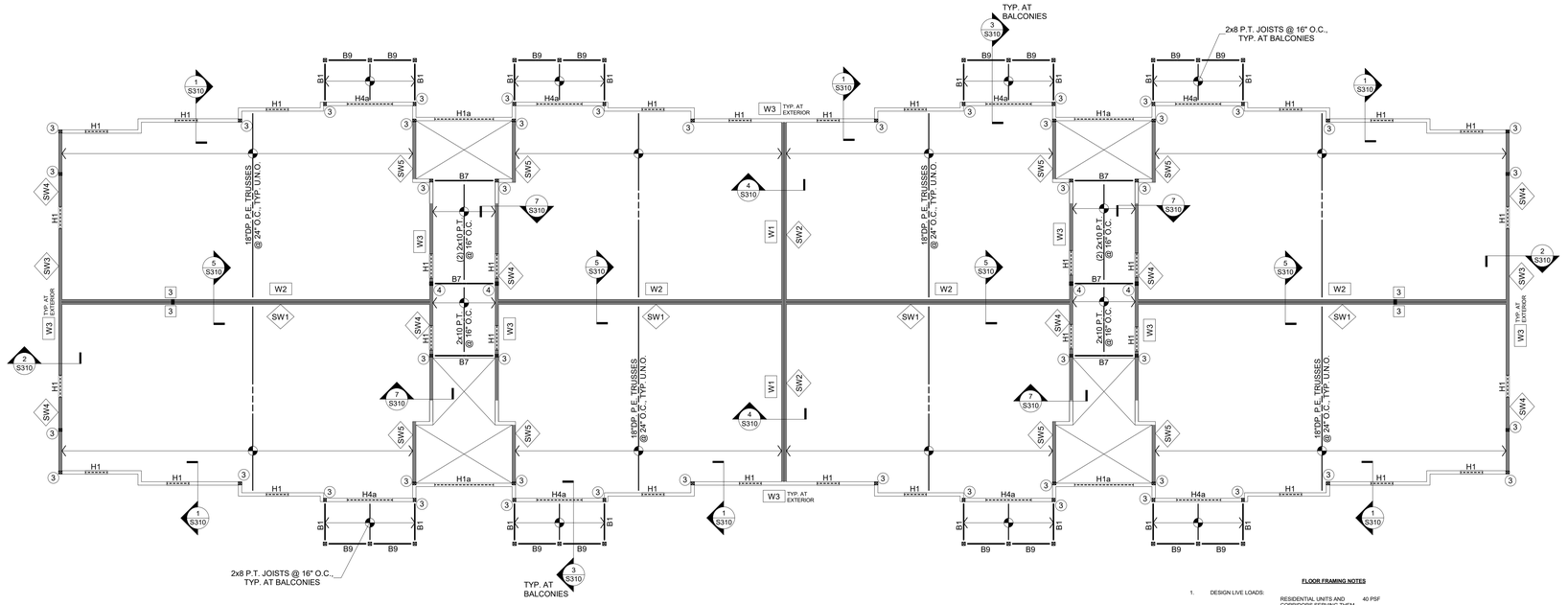


2ND FLOOR FRAMING PLAN

1/8" = 1'-0"

FLOOR FRAMING NOTES

1. DESIGN LIVE LOADS:
   - RESIDENTIAL UNITS AND CORRIDORS SERVING THEM: 40 PSF
   - BALCONIES: 60 PSF
   - STAIRS AND EXITS: 100 PSF
2. FLOOR CONSTRUCTION:
   1 1/16"SMP BOARD BY 6'0D INDUSTRIES OVER 18"DEEP PRE-ENGINEERED 4X2 TRUSSES. GLUE AND SCREW WITH ADHESIVES MEETING APA SPECIFICATIONS APG-01 AND APPLIED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. PROVIDE #8-11.5 x 3"LONG SIMPSON STRONG-TIE W3NTL SCREW @ 6"O.C. AT ALL PANEL EDGES AND 12"O.C. AT ALL INTERMEDIATE SUPPORTS UNLESS NOTED OTHERWISE. PANEL EDGES NEED NOT BE BLOCKED UNLESS NOTED OR DETAILED OTHERWISE.
3. REFERENCE ELEVATION IS 100'-0" = TOP OF FIRST FLOOR SLAB ON GRADE = XXX.XX' ABSOLUTE ELEVATION. TOP OF STEEL/TRUSS BEARING ELEVATION FOR EACH LEVEL IS AS FOLLOWS:
   - 2ND FLOOR: EL. + 110'-8 5/16"
   - 3RD FLOOR: EL. + 121'-4 5/8"
   - ROOF: EL. + 131'-6 3/4"
4. B#: INDICATES WOOD BEAM PER SCHEDULE. BEAMS MARKED AS "*B#" ARE TO BE FIRE RATED. SEE DETAILS 7/S002 AND 8/S002 FOR TYPICAL BEAM BEARING SUPPORTS.
5. H#: INDICATES WOOD HEADER FOR WALL OPENINGS PER SCHEDULE. SEE ARCHITECTURAL DRAWINGS FOR OPENING SIZES AND DETAILS 1/S002 AND 2/S002 FOR STANDARD HEADER CONSTRUCTION.
6. (#)2x6 / (#)2x4: INDICATES THE NUMBER OF 2x WOOD STUDS REQUIRED TO CREATE A STUD COLUMN SUPPORT UNDER BEAM OR GIRDER BEARING. PROVIDE A MINIMUM OF (2) 2x STUDS AT ALL BEAMS AND GIRDER TRUSSES, UNLESS NOTED OTHERWISE.
7. SW#: INDICATES WOOD FRAMED SHEARWALL. SEE SHEET S200 FOR WOOD FRAMED SHEARWALL SCHEDULE AND TYPICAL DETAILS.
8. HD#: INDICATES WOOD FRAMED SHEARWALL HOLDOWN. SEE SHEET S200 FOR HOLDOWN SCHEDULE. HOLDOWNS INDICATED ARE TO BE INSTALLED AT THE BASE OF WALL FRAMING SUPPORTING THIS PLAN LEVELS STRUCTURE.
9. SEE ARCHITECTURAL DRAWINGS FOR ANY DIMENSIONS NOT INDICATED HEREIN.
10. SEE SHEET S001 FOR GENERAL STRUCTURAL INFORMATION.

WALL STUD SCHEDULE

MARK	FLOOR	STUD SIZE & SPACING	WOOD MATERIAL
W1	3RD FLOOR	2 x 4 @ 24" O.C. EA. SIDE	SPF #1/#2
	2ND FLOOR	2 x 4 @ 24" O.C. EA. SIDE	SPF #1/#2
	1ST FLOOR	2 x 4 @ 24" O.C. EA. SIDE	SPF #1/#2
W2	3RD FLOOR	2 x 4 @ 16" O.C. EA. SIDE	SPF #1/#2
	2ND FLOOR	2 x 4 @ 12" O.C. EA. SIDE	SPF #1/#2
	1ST FLOOR	2 x 6 @ 16" O.C. STAGGERED	SPF #1/#2
W3	3RD FLOOR	2 x 6 @ 16" O.C.	SPF #1/#2
	2ND FLOOR	2 x 6 @ 16" O.C.	SPF #1/#2
	1ST FLOOR	2 x 6 @ 16" O.C.	SPF #1/#2
W4	2ND FLOOR	2 x 4 @ 16" O.C. EA. SIDE	SPF #1/#2

WALL STUD SCHEDULE NOTES:

1. UNLESS NOTED OTHERWISE, STUD MATERIAL GRADE SHALL BE AS INDICATED IN THE GENERAL STRUCTURAL NOTES.
2. 'SPF #1/2' INDICATES SPRUCE-PINE-FIR NO.1/NO.2 LUMBER MATERIAL AS GRADED BY N.L.G.A.
3. FRAMING OF ALL STUDS IN MULTI-STORY APPLICATIONS ARE TO ALIGN VERTICALLY WITH EACH OTHER WHERE NO RIM BOARD IS PRESENT TO DISTRIBUTE LOADING. SEE STRUCTURAL DETAILS FOR DISTINCTION.
4. 'STAGGERED' STUD WALLS ARE DOUBLE WALLS WITH STUDS OFFSET FROM EACH OTHER AND SPACED AS INDICATED. SEE ARCHITECTURAL U.L. ASSEMBLIES FOR OVERALL WALL THICKNESS.

WOOD HEADER SCHEDULE

MARK	SIZE	JACK STUDS	KING STUDS	Remarks
H1	(3) 2x6	(1) 2x	(1) 2x	
H1a	(3) 2x6	(1) 2x	(2) 2x	
H2	(3) 2x8	(1) 2x	(2) 2x	
H3	(3) 2x10	(1) 2x	(2) 2x	
H3a	(3) 2x10	(2) 2x	(1) 2x	
H4	(3) 2x12	(2) 2x	(2) 2x	
H4a	(3) 2x12	(2) 2x	(3) 2x	
H5	(3) 1-3/4" x 11-1/2" LVL	(2) 2x	(3) 2x	
H6	(3) 1-3/4" x 14" LVL	(2) 2x	(3) 2x	

HEADER SCHEDULE NOTES:

1. JACK AND KING STUDS SHALL MATCH WALL FRAMING SIZE AND SPECIES OF DESIGNATED STUD WALLS THEY ARE INTEGRAL WITH, U.N.O.
2. SEE GENERAL STRUCTURAL NOTES FOR MINIMUM LUMBER GRADES FOR HEADER FRAMING, U.N.O.
3. SEE GENERAL STRUCTURAL NOTES FOR MINIMUM STRUCTURAL COMPOSITE LUMBER DESIGN VALUES.

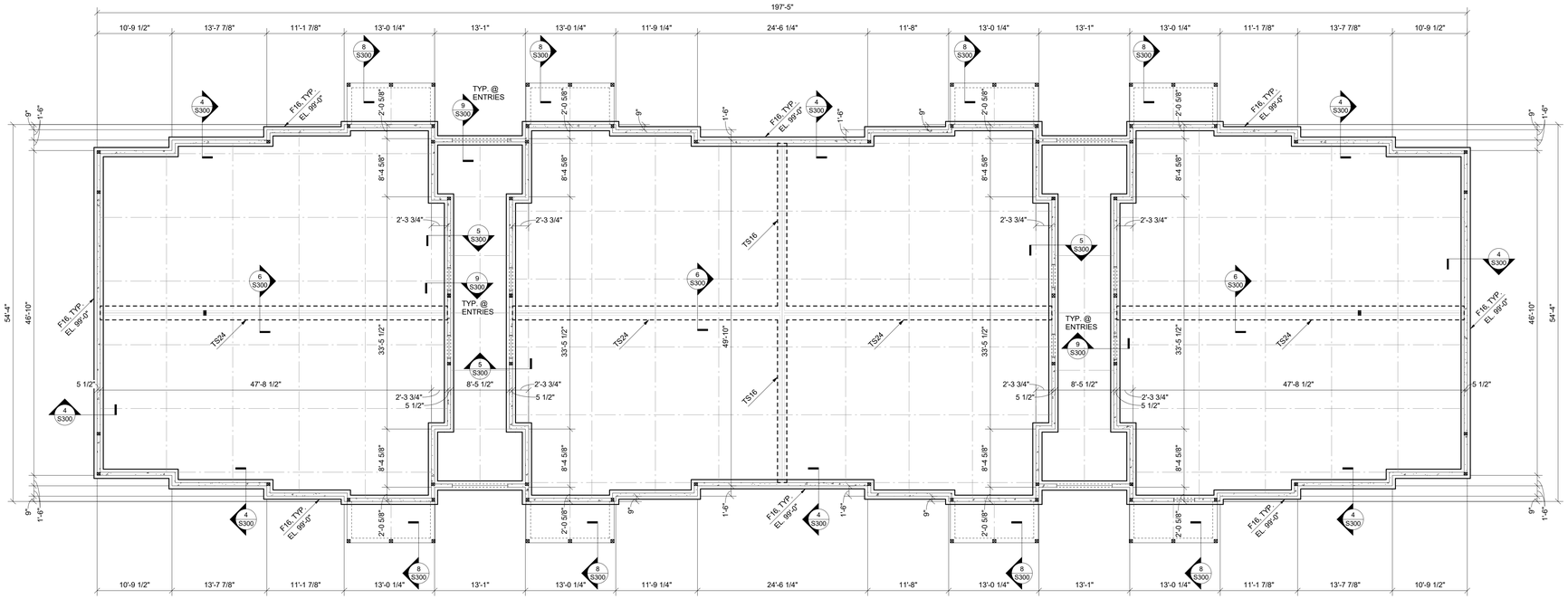
WOOD BEAM SCHEDULE

MARK	SIZE	REMARKS
B1	(2) 2x8	
B2	(3) 2x8	
B3	(3) 2x8	PT
B4	(3) 2x10	
B5	(3) 2x10	PT
B6	(3) 2x10	PT, SP NO.2
B7	5-1/4" x 9-1/4" PSL	PT, 2.0E
B8	5-1/4" x 11-7/8" PSL	PT, 2.0E
B9	(3) 1-3/4" x 7-1/4" LVL	
B10	(2) 1-3/4" x 18" LVL	SIMPSON HUC416 EA. END
B10a	(2) 1-3/4" x 18" LVL	SIMPSON HUC416 ONE END
B10b	(2) 1-3/4" x 18" LVL	SIMPSON HUCQ412-SDS ONE END
B10c	(2) 1-3/4" x 18" LVL	SIMPSON HGU3.63-SDS ONE END
B11	(3) 1-3/4" x 18" LVL	
B11a	(3) 1-3/4" x 18" LVL	SIMPSON HU616 EA. END
B11b	(3) 1-3/4" x 18" LVL	SIMPSON MGU5.5-SDS ONE END
B12	(4) 1-3/4" x 18" LVL	
B13	(4) 2x10	PT
B14	(2) 2x12	PT
B15	(3) 2x12	PT
B16	(3) 2x12	PT, SP NO.1
B17	5-1/4" x 11-1/4" PSL	PT, 2.0E

2

WOOD BEAM SCHEDULE NOTES:

1. SEE PLAN FOR COLUMN/SUPPORT POST SIZE.
2. BEAMS SHALL BEAR FULLY ON SUPPORT POSTS WITH POST CAP OR BLOCK ENDS TO RESTRAIN BEAM FROM ROTATION.
3. SEE GENERAL STRUCTURAL NOTES FOR MINIMUM LUMBER GRADES FOR BEAM FRAMING, U.N.O.
4. SEE GENERAL STRUCTURAL NOTES FOR MINIMUM STRUCTURAL COMPOSITE LUMBER DESIGN VALUES.



FOUNDATION PLAN

1/8" = 1'-0"

CONT. WALL FOOTING SCHEDULE

MARK	SIZE	REINFORCING
F16	1'-4" x 2'-4" DP.	(2) #5 CONT. TOP & BOT.
F30	2'-6" x 2'-4" DP.	(3) #5 CONT. TOP & BOT.
TS16	1'-4" x 1'-0" DP.	(2) #5 CONT. BOT.
TS24	2'-0" x 1'-0" DP.	(3) #5 CONT. BOT.

FOUNDATION NOTES

1. DESIGN SOIL BEARING PRESSURE = 3000 PSF. SEE S001 FOR REFERENCE SOILS REPORT INFORMATION. REFERENCE THIS REPORT FOR ANY REQUIRED SITE BUILDING PAD PREPARATION PRIOR TO FOUNDATION AND/OR SLAB-ON-GRADE CONSTRUCTION. FOOTING EXCAVATIONS MAY BE REQUIRED TO EXTEND THROUGH EXISTING FILL REGIONS IN ORDER TO BEAR ON SUITABLE MATERIAL. OVER-EXCAVATIONS ARE TO BE FILLED WITH LEAN CONCRETE UP TO THE PLANNED BOTTOM OF FOOTING ELEVATION. PLACE NO CONCRETE PRIOR TO INSPECTION AND APPROVAL OF BEARING SURFACES BY SOILS ENGINEER.
2. KEEP FOUNDATIONS FREE OF WATER AT ALL TIMES. REPLACE WEAKENED SOIL WITH LEAN CONCRETE OR FLOWABLE FILL.
3. BOTTOM OF FOOTINGS ARE TO BE AT LEAST 32-INCHES BELOW THE ADJACENT EXTERIOR FINISHED GRADE FOR FROST PROTECTION.
4. ELEVATIONS SHOWN ON FOOTINGS INDICATE ELEVATION AT TOP OF FOOTING. REFERENCE ELEVATION/TOP OF CONCRETE SLAB ELEVATION AS NOTED ON PLANS. COORDINATE ABSOLUTE ELEVATION OF TOP OF SLAB WITH SITE DRAWINGS.
5. ▼ INDICATES FOOTING STEP PER SECTION 2/S300. STEP AT A RATIO NOT TO EXCEED ONE VERTICAL TO TWO HORIZONTAL.
6. PROVIDE CORNER BARS AT ALL FOOTING AND CONCRETE WALL INTERSECTIONS PER DETAIL 12/S002.
7. SEE SHEET S001 FOR GENERAL STRUCTURAL INFORMATION.

#	DATE	CHANGE DESCRIPTION
1	05/30/2025	ADDENDUM #01
2	06/25/2025	ADDENDUM #02

COLUMBUS METROPOLITAN HOUSING AUTHORITY
COMMUNITY. COMMITMENT. COLLABORATION.

CMHA REFUGEE ROAD HOUSING DEVELOPMENT
3355 REFUGEE ROAD, COLUMBUS, OH 43232
FOR
CMHA

Moody Nolan
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: 614-461-4664
CERT. NO: FIRM 00197475

DRAWING TITLE:
FOUNDATION PLAN AND 2ND FLOOR FRAMING PLAN- BLDG. B

05/01/2025
23446

PROGRESS DRAWING NOT FOR CONSTRUCTION

S103-B

CD PROGRESS SET

REVIT VERSION: 2023
PRINT DATE: 6/25/2025 10:42:14 AM
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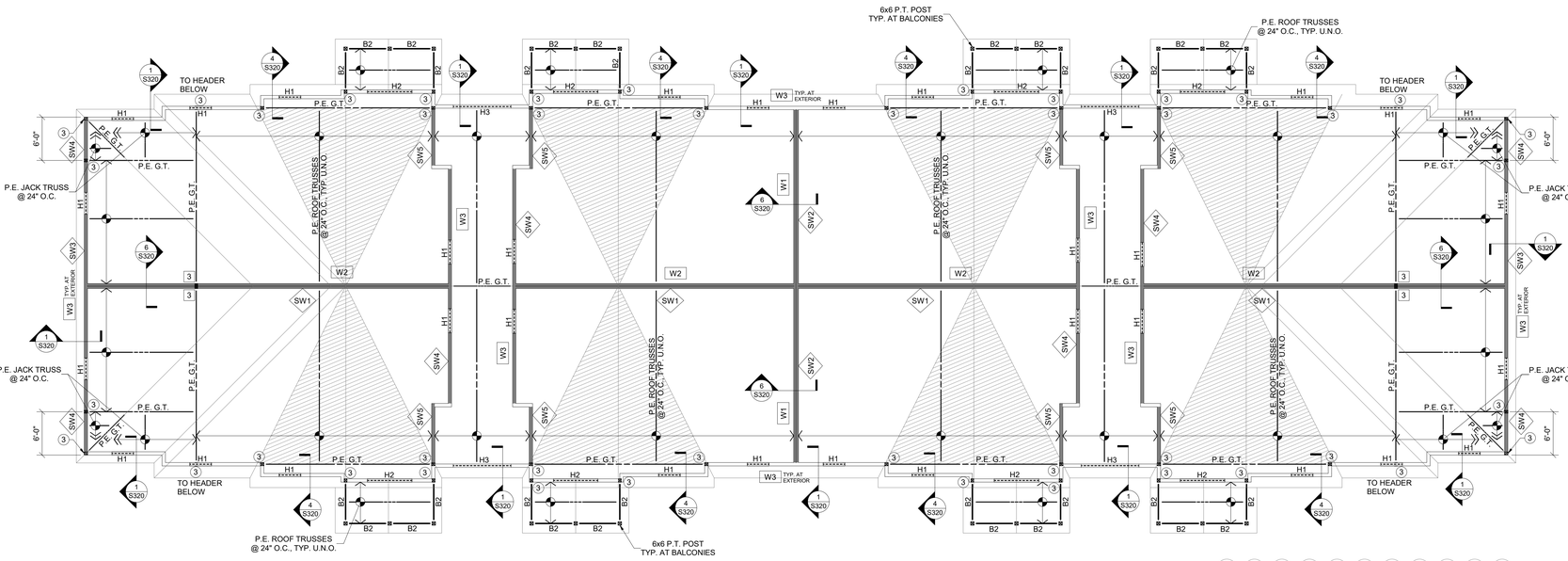


ROOF FRAMING PLAN

1/8" = 1'-0"

ROOF FRAMING NOTES

1. DESIGN LIVE LOADS:
   - SLOPED ROOF LIVE 16 PSF
   - SLOPED ROOF SNOW 15 PSF
   - WIND (ASD NET UPLIFT) 15 PSF
2. ROOF CONSTRUCTION:
   3/4" NOMINAL APA RATED SHEATHING ON PRE-ENGINEERED WOOD TRUSSES OR 2x FRAMING. UNLESS NOTED OTHERWISE, FASTEN SHEATHING TO SUPPORTS AS INDICATED IN THE GENERAL STRUCTURAL NOTES.
3. INDICATES INFILL FRAMING LOCATION. VALLEY SET TRUSSES MAY BE SUBSTITUTED AT CONTRACTOR'S OPTION. INFILL FRAMING IS TO UNIFORMLY DISTRIBUTE LOADING TO UNDERLYING ROOF WITH A MAXIMUM SUPPORT SPACING OF 2'-0". DO NOT STICK-BUILD WITH RIDGE BEAM AND RAFTERS.
4. TRUSS BEARING ELEVATION = 131'-5 3/4" UNLESS NOTED OTHERWISE. REFERENCE ELEVATION 100'-0" = TOP OF FIRST FLOOR SLAB ON GRADE.
5. B# INDICATES WOOD BEAM PER SCHEDULE. SEE DETAILS 7/S002 AND 8/S002 FOR TYPICAL BEAM BEARING SUPPORTS.
6. H# INDICATES WOOD HEADER FOR WALL OPENINGS PER SCHEDULE. SEE ARCHITECTURAL DRAWINGS FOR OPENING SIZES AND DETAILS 1/S002 AND 2/S002 FOR STANDARD HEADER CONSTRUCTION.
7. (#)2x6 / (#)2x4 INDICATES THE NUMBER OF 2x WOOD STUDS REQUIRED TO CREATE A STUD COLUMN SUPPORT UNDER BEAM OR GIRDER BEARING. PROVIDE A MINIMUM OF (2) 2x STUDS AT ALL BEAMS AND GIRDER TRUSSES, UNLESS NOTED OTHERWISE.
8. SW# INDICATES WOOD FRAMED SHEARWALL. SEE SHEET S200 FOR WOOD FRAMED SHEARWALL SCHEDULE AND TYPICAL DETAILS.
9. HD# INDICATES WOOD FRAMED SHEARWALL HOLDOWN. SEE SHEET S200 FOR HOLDOWN SCHEDULE. HOLDOWNS INDICATED ARE TO BE INSTALLED AT THE BASE OF WALL FRAMING SUPPORTING THIS PLAN LEVELS STRUCTURE.
10. SEE ARCHITECTURAL DRAWINGS FOR ANY DIMENSIONS NOT INDICATED HEREIN.
11. SEE SHEET S001 FOR GENERAL STRUCTURAL INFORMATION.

WALL STUD SCHEDULE

MARK	FLOOR	STUD SIZE & SPACING	WOOD MATERIAL
W1	3RD FLOOR	2 x 4 @ 24" O.C. EA. SIDE	SPF #1/#2
	2ND FLOOR	2 x 4 @ 24" O.C. EA. SIDE	SPF #1/#2
	1ST FLOOR	2 x 4 @ 24" O.C. EA. SIDE	SPF #1/#2
W2	3RD FLOOR	2 x 4 @ 16" O.C. EA. SIDE	SPF #1/#2
	2ND FLOOR	2 x 4 @ 12" O.C. EA. SIDE	SPF #1/#2
	1ST FLOOR	2 x 6 @ 16" O.C. STAGGERED	SPF #1/#2
W3	3RD FLOOR	2 x 6 @ 16" O.C.	SPF #1/#2
	2ND FLOOR	2 x 6 @ 16" O.C.	SPF #1/#2
	1ST FLOOR	2 x 6 @ 16" O.C.	SPF #1/#2
W4	2ND FLOOR	2 x 4 @ 16" O.C. EA. SIDE	SPF #1/#2

WALL STUD SCHEDULE NOTES:

1. UNLESS NOTED OTHERWISE, STUD MATERIAL GRADE SHALL BE AS INDICATED IN THE GENERAL STRUCTURAL NOTES.
2. 'SPF #1/2' INDICATES SPRUCE-PINE-FIR NO.1/NO.2 LUMBER MATERIAL AS GRADED BY N.L.G.A.
3. FRAMING OF ALL STUDS IN MULTI-STORY APPLICATIONS ARE TO ALIGN VERTICALLY WITH EACH OTHER WHERE NO RIM BOARD IS PRESENT TO DISTRIBUTE LOADING. SEE STRUCTURAL DETAILS FOR DISTINCTION.
4. 'STAGGERED' STUD WALLS ARE DOUBLE WALLS WITH STUDS OFFSET FROM EACH OTHER AND SPACED AS INDICATED. SEE ARCHITECTURAL U.L. ASSEMBLIES FOR OVERALL WALL THICKNESS.

WOOD HEADER SCHEDULE

MARK	SIZE	JACK STUDS	KING STUDS	Remarks
H1	(3) 2x6	(1) 2x	(1) 2x	
H1a	(3) 2x6	(1) 2x	(2) 2x	
H2	(3) 2x8	(1) 2x	(2) 2x	
H3	(3) 2x10	(1) 2x	(2) 2x	
H3a	(3) 2x10	(2) 2x	(1) 2x	
H4	(3) 2x12	(2) 2x	(2) 2x	
H4a	(3) 2x12	(2) 2x	(3) 2x	
H5	(3) 1-3/4" x 11-1/2" LVL	(2) 2x	(3) 2x	
H6	(3) 1-3/4" x 14" LVL	(2) 2x	(3) 2x	

HEADER SCHEDULE NOTES:

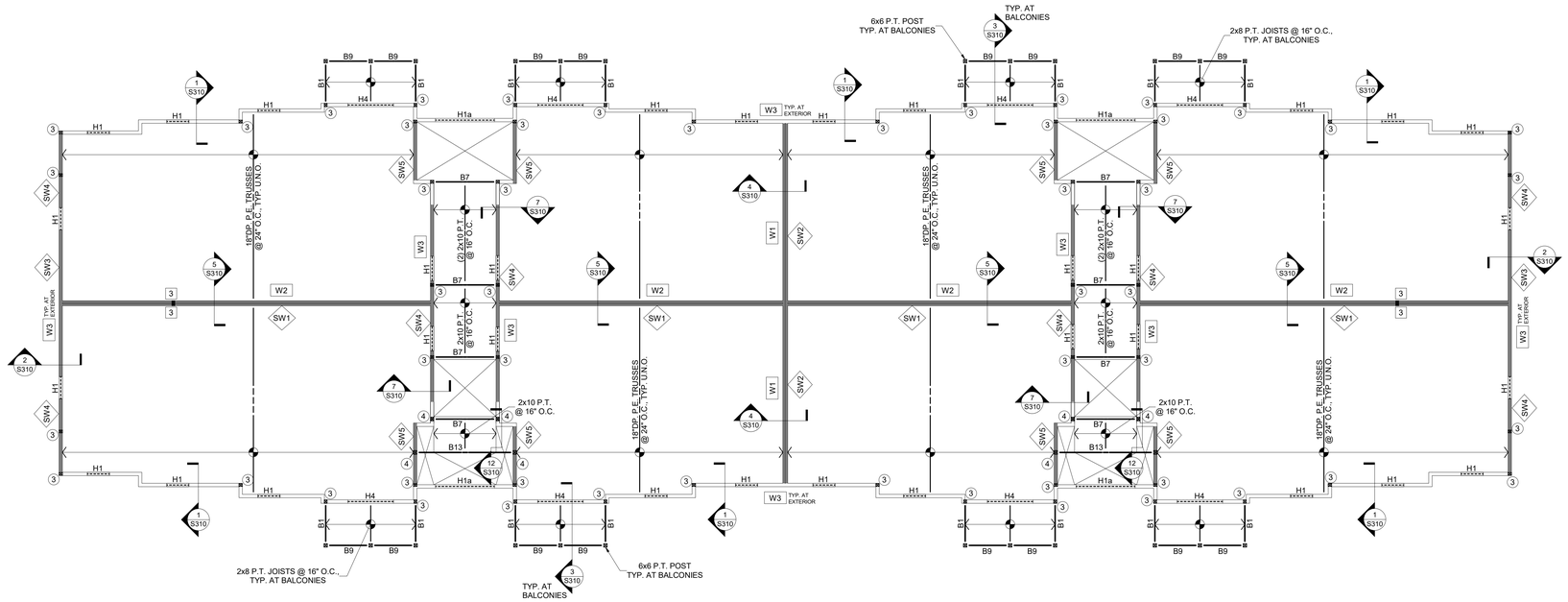
1. JACK AND KING STUDS SHALL MATCH WALL FRAMING SIZE AND SPECIES OF DESIGNATED STUD WALLS THEY ARE INTEGRAL WITH, U.N.O.
2. SEE GENERAL STRUCTURAL NOTES FOR MINIMUM LUMBER GRADES FOR HEADER FRAMING, U.N.O.
3. SEE GENERAL STRUCTURAL NOTES FOR MINIMUM STRUCTURAL COMPOSITE LUMBER DESIGN VALUES.

WOOD BEAM SCHEDULE

MARK	SIZE	REMARKS
B1	(2) 2x8	
B2	(3) 2x8	
B3	(3) 2x8	PT
B4	(3) 2x10	
B5	(3) 2x10	PT
B6	(3) 2x10	PT, SP NO.2
B7	5-1/4" x 9-1/4" PSL	PT, 2.0E
B8	5-1/4" x 11-7/8" PSL	PT, 2.0E
B9	(3) 1-3/4" x 7-1/4" LVL	
B10	(2) 1-3/4" x 18" LVL	SIMPSON HUC416 EA. END
B10a	(2) 1-3/4" x 18" LVL	SIMPSON HUC416 ONE END
B10b	(2) 1-3/4" x 18" LVL	SIMPSON HUCQ412-SDS ONE END
B10c	(2) 1-3/4" x 18" LVL	SIMPSON HGU3.63-SDS ONE END
B11	(3) 1-3/4" x 18" LVL	
B11a	(3) 1-3/4" x 18" LVL	SIMPSON HU616 EA. END
B11b	(3) 1-3/4" x 18" LVL	SIMPSON MGU5.5-SDS ONE END
B12	(4) 1-3/4" x 18" LVL	
B13	(4) 2x10	PT
B14	(2) 2x12	PT
B15	(3) 2x12	PT
B16	(3) 2x12	PT, SP NO.1
B17	5-1/4" x 11-1/4" PSL	PT, 2.0E

WOOD BEAM SCHEDULE NOTES:

1. SEE PLAN FOR COLUMN/SUPPORT POST SIZE.
2. BEAMS SHALL BEAR FULLY ON SUPPORT POSTS WITH POST CAP OR BLOCK ENDS TO RESTRAIN BEAM FROM ROTATION.
3. SEE GENERAL STRUCTURAL NOTES FOR MINIMUM LUMBER GRADES FOR BEAM FRAMING, U.N.O.
4. SEE GENERAL STRUCTURAL NOTES FOR MINIMUM STRUCTURAL COMPOSITE LUMBER DESIGN VALUES.



3RD FLOOR FRAMING PLAN

1/8" = 1'-0"

FLOOR FRAMING NOTES

1. DESIGN LIVE LOADS:
   - RESIDENTIAL UNITS AND CORRIDORS SERVING THEM 40 PSF
   - BALCONIES 60 PSF
   - STAIRS AND EXITS 100 PSF
2. FLOOR CONSTRUCTION:
   1 3/16"SAP BOARD BY RSP INDUSTRIES OVER 18"DEEP PRE-ENGINEERED 4X2 TRUSSES. GLUE AND SCREW WITH ADHESIVES MEETING APA SPECIFICATIONS APG-01 AND APPLIED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. PROVIDE #8-11.5 x 3"LONG SIMPSON STRONG-TIE W3NTL SCREW @ 6"O.C. AT ALL PANEL EDGES AND 12"O.C. AT ALL INTERMEDIATE SUPPORTS UNLESS NOTED OTHERWISE. PANEL EDGES NEED NOT BE BLOCKED UNLESS NOTED OR DETAILED OTHERWISE.
3. REFERENCE ELEVATION IS 100'-0" = TOP OF FIRST FLOOR SLAB ON GRADE = XXX.XX' ABSOLUTE ELEVATION. TOP OF STEEL/TRUSS BEARING ELEVATION FOR EACH LEVEL IS AS FOLLOWS:
   - 2ND FLOOR: EL. = 110'-8 5/16"
   - 3RD FLOOR: EL. = 121'-4 5/8"
   - ROOF: EL. = 131'-5 3/4"
4. B# INDICATES WOOD BEAM PER SCHEDULE. BEAMS MARKED AS "*B#" ARE TO BE FIRE RATED. SEE DETAILS 7/S002 AND 8/S002 FOR TYPICAL BEAM BEARING SUPPORTS.
5. H# INDICATES WOOD HEADER FOR WALL OPENINGS PER SCHEDULE. SEE ARCHITECTURAL DRAWINGS FOR OPENING SIZES AND DETAILS 1/S002 AND 2/S002 FOR STANDARD HEADER CONSTRUCTION.
6. (#)2x6 / (#)2x4 INDICATES THE NUMBER OF 2x WOOD STUDS REQUIRED TO CREATE A STUD COLUMN SUPPORT UNDER BEAM OR GIRDER BEARING. PROVIDE A MINIMUM OF (2) 2x STUDS AT ALL BEAMS AND GIRDER TRUSSES, UNLESS NOTED OTHERWISE.
7. SW# INDICATES WOOD FRAMED SHEARWALL. SEE SHEET S200 FOR WOOD FRAMED SHEARWALL SCHEDULE AND TYPICAL DETAILS.
8. HD# INDICATES WOOD FRAMED SHEARWALL HOLDOWN. SEE SHEET S200 FOR HOLDOWN SCHEDULE. HOLDOWNS INDICATED ARE TO BE INSTALLED AT THE BASE OF WALL FRAMING SUPPORTING THIS PLAN LEVELS STRUCTURE.
9. SEE ARCHITECTURAL DRAWINGS FOR ANY DIMENSIONS NOT INDICATED HEREIN.
10. SEE SHEET S001 FOR GENERAL STRUCTURAL INFORMATION.

#	DATE	CHANGE DESCRIPTION
1	05/30/2025	ADDENDUM #01
2	06/25/2025	ADDENDUM #02

COLUMBUS METROPOLITAN HOUSING AUTHORITY
COMMUNITY. COMMITMENT. COLLABORATION.

CMHA REFUGEE ROAD HOUSING DEVELOPMENT
3355 REFUGEE ROAD, COLUMBUS, OH 43232
FOR
CMHA

Moody Nolan
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: 614-461-4664
CERT. NO: FIRM 00197475

DRAWING TITLE:
3RD FLOOR AND ROOF FRAMING PLAN- BLDG. B

PROGRESS DRAWING NOT FOR CONSTRUCTION

05/01/2025

23446

S104-B

CD PROGRESS SET

REVIT VERSION: 2023
PRINT DATE: 6/25/2025 10:42:19 AM
FILE INFO: J:\adobe\Docs\23446_CMHA Refugee Rd Housing D\prnt_R23\23.35.061 - CMHA Refugee Rd Apts - Struct (R23).rvt

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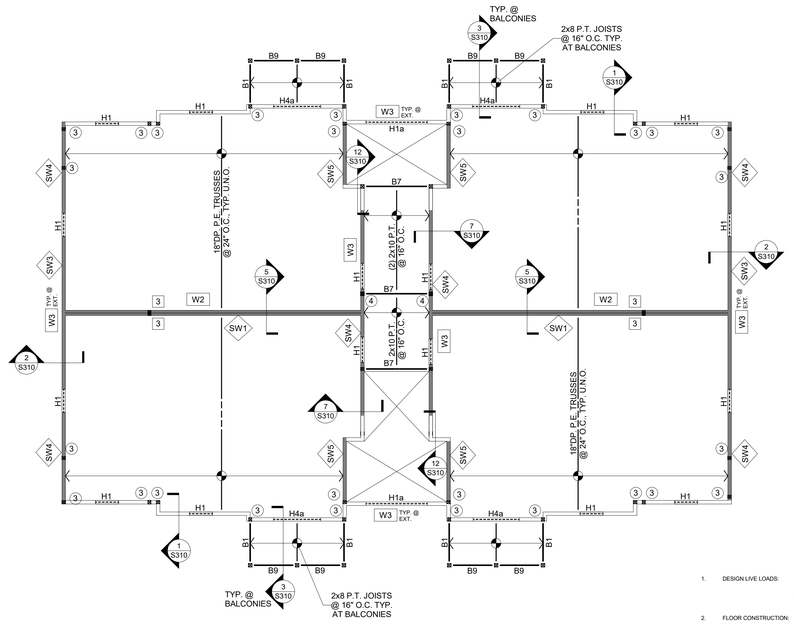
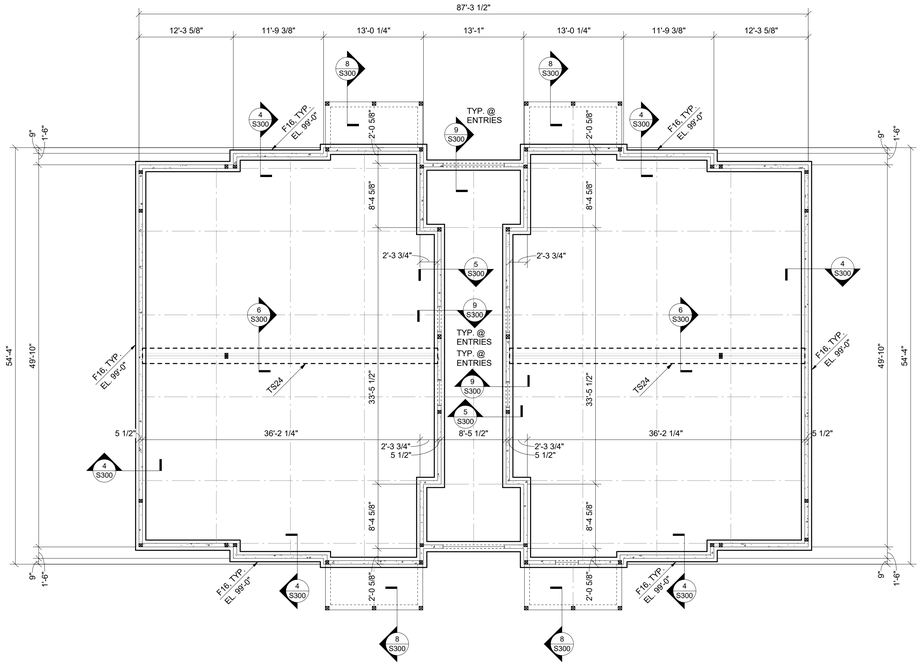


2ND FLOOR FRAMING PLAN

1/8" = 1'-0"

FLOOR FRAMING NOTES

1. DESIGN LIVE LOADS:
   - RESIDENTIAL UNITS AND CORRIDORS SERVING THEM: 40 PSF
   - BALCONIES: 60 PSF
   - STAIRS AND EXITS: 100 PSF
2. FLOOR CONSTRUCTION:
   1 3/16"SAP BOARD BY RSP INDUSTRIES OVER 18"DEEP PRE-ENGINEERED 4X2 TRUSSES. GLUE AND SCREW WITH ADHESIVES MEETING APA SPECIFICATIONS APG-01 AND APPLIED IN ACCORDANCE WITH MANUFACTUER'S RECOMMENDATIONS. PROVIDE #8-11.5 x 3"LONG SIMPSON STRONG-TIE W3NTL SCREW @ 6"O.C. AT ALL PANEL EDGES AND 12"O.C. AT ALL INTERMEDIATE SUPPORTS UNLESS NOTED OTHERWISE. PANEL EDGES NEED NOT BE BLOCKED UNLESS NOTED OR DETAILED OTHERWISE.
3. REFERENCE ELEVATION IS 100'-0" = TOP OF FIRST FLOOR SLAB ON GRADE = XXX.XX' ABSOLUTE ELEVATION. TOP OF STEEL/TRUSS BEARING ELEVATION FOR EACH LEVEL IS AS FOLLOWS:
   - 2ND FLOOR: EL. = 110'-8 5/16"
   - 3RD FLOOR: EL. = 121'-4 5/8"
   - ROOF: EL. = 131'-5 3/4"
4. B#: INDICATES WOOD BEAM PER SCHEDULE. BEAMS MARKED AS "B#*" ARE TO BE FIRE RATED. SEE DETAILS 7/S002 AND 8/S002 FOR TYPICAL BEAM BEARING SUPPORTS.
5. H#: INDICATES WOOD HEADER FOR WALL OPENINGS PER SCHEDULE. SEE ARCHITECTURAL DRAWINGS FOR OPENING SIZES AND DETAILS 1/S002 AND 2/S002 FOR STANDARD HEADER CONSTRUCTION.
6. (#) 2x6 / # 2x4: INDICATES THE NUMBER OF 2x WOOD STUDS REQUIRED TO CREATE A STUD COLUMN SUPPORT UNDER BEAM OR GIRDER BEARING. PROVIDE A MINIMUM OF (2) 2x STUDS AT ALL BEAMS AND GIRDER TRUSSES, UNLESS NOTED OTHERWISE.
7. SW#: INDICATES WOOD FRAMED SHEARWALL. SEE SHEET S200 FOR WOOD FRAMED SHEARWALL SCHEDULE AND TYPICAL DETAILS.
8. HD#: INDICATES WOOD FRAMED SHEARWALL HOLDOWN. SEE SHEET S200 FOR HOLDOWN SCHEDULE. HOLDOWNS INDICATED ARE TO BE INSTALLED AT THE BASE OF WALL FRAMING SUPPORTING THIS PLAN LEVELS STRUCTURE.
9. SEE ARCHITECTURAL DRAWINGS FOR ANY DIMENSIONS NOT INDICATED HEREIN.
10. SEE SHEET S001 FOR GENERAL STRUCTURAL INFORMATION.



FOUNDATION PLAN

1/8" = 1'-0"

WALL STUD SCHEDULE

MARK	FLOOR	STUD SIZE & SPACING	WOOD MATERIAL
W1	3RD FLOOR	2 x 4 @ 24" O.C. EA. SIDE	SPF #1/#2
	2ND FLOOR	2 x 4 @ 24" O.C. EA. SIDE	SPF #1/#2
	1ST FLOOR	2 x 4 @ 24" O.C. EA. SIDE	SPF #1/#2
W2	3RD FLOOR	2 x 4 @ 16" O.C. EA. SIDE	SPF #1/#2
	2ND FLOOR	2 x 4 @ 12" O.C. EA. SIDE	SPF #1/#2
	1ST FLOOR	2 x 6 @ 16" O.C. STAGGERED	SPF #1/#2
W3	3RD FLOOR	2 x 6 @ 16" O.C.	SPF #1/#2
	2ND FLOOR	2 x 6 @ 16" O.C.	SPF #1/#2
	1ST FLOOR	2 x 6 @ 16" O.C.	SPF #1/#2
W4	2ND FLOOR	2 x 4 @ 16" O.C. EA. SIDE	SPF #1/#2

WALL STUD SCHEDULE NOTES:

1. UNLESS NOTED OTHERWISE, STUD MATERIAL GRADE SHALL BE AS INDICATED IN THE GENERAL STRUCTURAL NOTES.
2. 'SPF #1/2' INDICATES SPRUCE-PINE-FIR NO.1/NO.2 LUMBER MATERIAL AS GRADED BY N.L.G.A.
3. FRAMING OF ALL STUDS IN MULTI-STORY APPLICATIONS ARE TO ALIGN VERTICALLY WITH EACH OTHER WHERE NO RIM BOARD IS PRESENT TO DISTRIBUTE LOADING. SEE STRUCTURAL DETAILS FOR DISTINCTION.
4. 'STAGGERED' STUD WALLS ARE DOUBLE WALLS WITH STUDS OFFSET FROM EACH OTHER AND SPACED AS INDICATED. SEE ARCHITECTURAL U.L. ASSEMBLIES FOR OVERALL WALL THICKNESS.

WOOD HEADER SCHEDULE

MARK	SIZE	JACK STUDS	KING STUDS	Remarks
H1	(3) 2x6	(1) 2x	(1) 2x	
H1a	(3) 2x6	(1) 2x	(2) 2x	
H2	(3) 2x8	(1) 2x	(2) 2x	
H3	(3) 2x10	(1) 2x	(2) 2x	
H3a	(3) 2x10	(2) 2x	(1) 2x	
H4	(3) 2x12	(2) 2x	(2) 2x	
H4a	(3) 2x12	(2) 2x	(3) 2x	
H5	(3) 1-3/4" x 11-1/2" LVL	(2) 2x	(3) 2x	
H6	(3) 1-3/4" x 14" LVL	(2) 2x	(3) 2x	

HEADER SCHEDULE NOTES:

1. JACK AND KING STUDS SHALL MATCH WALL FRAMING SIZE AND SPECIES OF DESIGNATED STUD WALLS THEY ARE INTEGRAL WITH, U.N.O.
2. SEE GENERAL STRUCTURAL NOTES FOR MINIMUM LUMBER GRADES FOR HEADER FRAMING, U.N.O.
3. SEE GENERAL STRUCTURAL NOTES FOR MINIMUM STRUCTURAL COMPOSITE LUMBER DESIGN VALUES.

WOOD BEAM SCHEDULE

MARK	SIZE	REMARKS
B1	(2) 2x8	
B2	(3) 2x8	
B3	(3) 2x8	PT
B4	(3) 2x10	
B5	(3) 2x10	PT
B6	(3) 2x10	PT, SP NO.2
B7	5-1/4" x 9-1/4" PSL	PT, 2.0E
B8	5-1/4" x 11-7/8" PSL	PT, 2.0E
B9	(3) 1-3/4" x 7-1/4" LVL	
B10	(2) 1-3/4" x 18" LVL	SIMPSON HUC416 EA. END
B10a	(2) 1-3/4" x 18" LVL	SIMPSON HUC416 ONE END
B10b	(2) 1-3/4" x 18" LVL	SIMPSON HUCQ412-SDS ONE END
B10c	(2) 1-3/4" x 18" LVL	SIMPSON HGU3.63-SDS ONE END
B11	(3) 1-3/4" x 18" LVL	
B11a	(3) 1-3/4" x 18" LVL	SIMPSON HU6616 EA. END
B11b	(3) 1-3/4" x 18" LVL	SIMPSON MGU5.5-SDS ONE END
B12	(4) 1-3/4" x 18" LVL	
B13	(4) 2x10	PT
B14	(2) 2x12	PT
B15	(3) 2x12	PT
B16	(3) 2x12	PT, SP NO.1
B17	5-1/4" x 11-1/4" PSL	PT, 2.0E

2

WOOD BEAM SCHEDULE NOTES:

1. SEE PLAN FOR COLUMN/SUPPORT POST SIZE.
2. BEAMS SHALL BEAR FULLY ON SUPPORT POSTS WITH POST CAP OR BLOCK ENDS TO RESTRAIN BEAM FROM ROTATION.
3. SEE GENERAL STRUCTURAL NOTES FOR MINIMUM LUMBER GRADES FOR BEAM FRAMING, U.N.O.
4. SEE GENERAL STRUCTURAL NOTES FOR MINIMUM STRUCTURAL COMPOSITE LUMBER DESIGN VALUES.

CONT. WALL FOOTING SCHEDULE

MARK	SIZE	REINFORCING
F16	1'-4" x 2'-4" DP.	(2) #5 CONT. TOP & BOT.
F30	2'-6" x 2'-4" DP.	(3) #5 CONT. TOP & BOT.
TS16	1'-4" x 1'-0" DP.	(2) #5 CONT. BOT.
TS24	2'-0" x 1'-0" DP.	(3) #5 CONT. BOT.

2

FOUNDATION NOTES

1. DESIGN SOIL BEARING PRESSURE = 3000 PSF. SEE S001 FOR REFERENCE SOILS REPORT INFORMATION. REFERENCE THIS REPORT FOR ANY REQUIRED SITE BUILDING PAD PREPARATION PRIOR TO FOUNDATION AND/OR SLAB-ON-GRADE CONSTRUCTION. FOOTING EXCAVATIONS MAY BE REQUIRED TO EXTEND THROUGH EXISTING FILL REGIONS IN ORDER TO BEAR ON SUITABLE MATERIAL. OVER-EXCAVATIONS ARE TO BE FILLED WITH LEAN CONCRETE UP TO THE PLANNED BOTTOM OF FOOTING ELEVATION. PLACE NO CONCRETE PRIOR TO INSPECTION AND APPROVAL OF BEARING SURFACES BY SOILS ENGINEER.
2. KEEP FOUNDATIONS FREE OF WATER AT ALL TIMES. REPLACE WEAKENED SOIL WITH LEAN CONCRETE OR FLOWABLE FILL.
3. BOTTOM OF FOOTINGS ARE TO BE AT LEAST 32-INCHES BELOW THE ADJACENT EXTERIOR FINISHED GRADE FOR FROST PROTECTION.
4. ELEVATIONS SHOWN ON FOOTINGS INDICATE ELEVATION AT TOP OF FOOTING. REFERENCE ELEVATION TOP OF CONCRETE SLAB ELEVATION AS NOTED ON PLANS. COORDINATE ABSOLUTE ELEVATION OF TOP OF SLAB WITH SITE DRAWINGS.
5. ▼ INDICATES FOOTING STEP PER SECTION 2/S300. STEP AT A RATIO NOT TO EXCEED ONE VERTICAL TO TWO HORIZONTAL.
6. PROVIDE CORNER BARS AT ALL FOOTING AND CONCRETE WALL INTERSECTIONS PER DETAIL 12/S002.
7. SEE SHEET S001 FOR GENERAL STRUCTURAL INFORMATION.

#	DATE	CHANGE DESCRIPTION
1	05/30/2025	ADDENDUM #01
2	06/25/2025	ADDENDUM #02

COLUMBUS METROPOLITAN HOUSING AUTHORITY
COMMUNITY. COMMITMENT. COLLABORATION.

CMHA REFUGEE ROAD HOUSING DEVELOPMENT
3355 REFUGEE ROAD. COLUMBUS, OH 43232
FOR
CMHA

Moody Nolan
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: 614-461-4664
CERT. NO: FIRM 00197475

DRAWING TITLE:
FOUNDATION PLAN AND 2ND FLOOR FRAMING PLAN- BLDG. C

PROGRESS DRAWING NOT FOR CONSTRUCTION

05/01/2025
23446
S105-C
CD PROGRESS SET

REVIT VERSION: 2023
PRINT DATE: 6/25/2025 10:42:22 AM
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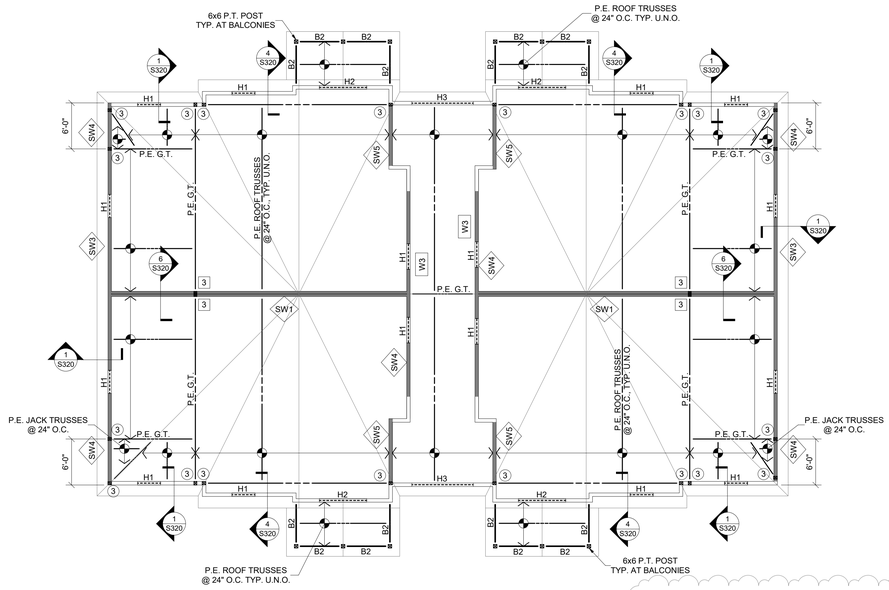
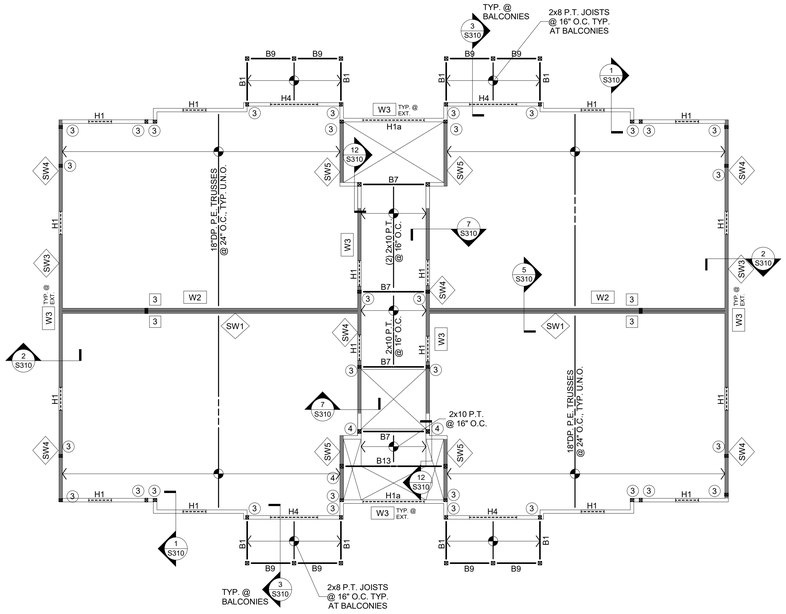


ROOF FRAMING PLAN

1/8" = 1'-0"

ROOF FRAMING NOTES

1. DESIGN LIVE LOADS:
   - SLOPED ROOF LIVE 16 PSF
   - SLOPED ROOF SNOW 15 PSF
   - WIND (ASD NET UPLIFT) 15 PSF
2. ROOF CONSTRUCTION:
   3/4" NOMINAL APA RATED SHEATHING ON PRE-ENGINEERED WOOD TRUSSES OR 2x FRAMING. UNLESS NOTED OTHERWISE, FASTEN SHEATHING TO SUPPORTS AS INDICATED IN THE GENERAL STRUCTURAL NOTES.
3. INDICATES INFILL FRAMING LOCATION. VALLEY SET TRUSSES MAY BE SUBSTITUTED AT CONTRACTOR'S OPTION. INFILL FRAMING IS TO UNIFORMLY DISTRIBUTE LOADING TO UNDERLYING ROOF WITH A MAXIMUM SUPPORT SPACING OF 2'-0". DO NOT STICK-BUILD WITH RIDGE BEAM AND RAFTERS.
4. TRUSS BEARING ELEVATION = 131'-5 3/4" UNLESS NOTED OTHERWISE. REFERENCE ELEVATION 100'-0" = TOP OF FIRST FLOOR SLAB ON GRADE.
5. B#: INDICATES WOOD BEAM PER SCHEDULE. SEE DETAILS 7/S002 AND 8/S002 FOR TYPICAL BEAM BEARING SUPPORTS.
6. H#: INDICATES WOOD HEADER FOR WALL OPENINGS PER SCHEDULE. SEE ARCHITECTURAL DRAWINGS FOR OPENING SIZES AND DETAILS 1/S002 AND 2/S002 FOR STANDARD HEADER CONSTRUCTION.
7. (P)2x6 / (F)2x4: INDICATES THE NUMBER OF 2x WOOD STUDS REQUIRED TO CREATE A STUD COLUMN SUPPORT UNDER BEAM OR GIRDER BEARING. PROVIDE A MINIMUM OF (2) 2x STUDS AT ALL BEAMS AND GIRDER TRUSSES, UNLESS NOTED OTHERWISE.
8. SW#: INDICATES WOOD FRAMED SHEARWALL. SEE SHEET S200 FOR WOOD FRAMED SHEARWALL SCHEDULE AND TYPICAL DETAILS.
9. HD#: INDICATES WOOD FRAMED SHEARWALL HOLDOWN. SEE SHEET S200 FOR HOLDOWN SCHEDULE. HOLDOWNS INDICATED ARE TO BE INSTALLED AT THE BASE OF WALL FRAMING SUPPORTING THIS PLAN LEVELS STRUCTURE.
10. SEE ARCHITECTURAL DRAWINGS FOR ANY DIMENSIONS NOT INDICATED HEREIN.
11. SEE SHEET S001 FOR GENERAL STRUCTURAL INFORMATION.



3RD FLOOR FRAMING PLAN

1/8" = 1'-0"

FLOOR FRAMING NOTES

1. DESIGN LIVE LOADS:
   - RESIDENTIAL UNITS AND CORRIDORS SERVING THEM 40 PSF
   - BALCONIES 60 PSF
   - STAIRS AND EXITS 100 PSF
2. FLOOR CONSTRUCTION:
   1 3/16"SAP BOARD BY RSP INDUSTRIES OVER 16"DEEP PRE-ENGINEERED 4X2 TRUSSES. GLUE AND SCREW WITH ADHESIVES MEETING APA SPECIFICATIONS APG-01 AND APPLIED IN ACCORDANCE WITH MANUFACTUER'S RECOMMENDATIONS. PROVIDE #8-11.5 x 2"LONG SIMPSON STRONG-TIE WSNTL SCREW @ 6"O.C. AT ALL PANEL EDGES AND 12"O.C. AT ALL INTERMEDIATE SUPPORTS UNLESS NOTED OTHERWISE. PANEL EDGES NEED NOT BE BLOCKED UNLESS NOTED OR DETAILED OTHERWISE.
3. REFERENCE ELEVATION IS 100'-0" = TOP OF FIRST FLOOR SLAB ON GRADE = XXX.XX ABSOLUTE ELEVATION. TOP OF STEEL/TRUSS BEARING ELEVATION FOR EACH LEVEL IS AS FOLLOWS:
   - 2ND FLOOR: EL. = 110'-8 5/16"
   - 3RD FLOOR: EL. = 121'-4 5/8"
   - ROOF: EL. = 131'-5 3/4"
4. B#: INDICATES WOOD BEAM PER SCHEDULE. BEAMS MARKED AS "B#" ARE TO BE FIRE RATED. SEE DETAILS 7/S002 AND 8/S002 FOR TYPICAL BEAM BEARING SUPPORTS.
5. H#: INDICATES WOOD HEADER FOR WALL OPENINGS PER SCHEDULE. SEE ARCHITECTURAL DRAWINGS FOR OPENING SIZES AND DETAILS 1/S002 AND 2/S002 FOR STANDARD HEADER CONSTRUCTION.
6. (P)2x6 / (F)2x4: INDICATES THE NUMBER OF 2x WOOD STUDS REQUIRED TO CREATE A STUD COLUMN SUPPORT UNDER BEAM OR GIRDER BEARING. PROVIDE A MINIMUM OF (2) 2x STUDS AT ALL BEAMS AND GIRDER TRUSSES, UNLESS NOTED OTHERWISE.
7. SW#: INDICATES WOOD FRAMED SHEARWALL. SEE SHEET S200 FOR WOOD FRAMED SHEARWALL SCHEDULE AND TYPICAL DETAILS.
8. HD#: INDICATES WOOD FRAMED SHEARWALL HOLDOWN. SEE SHEET S200 FOR HOLDOWN SCHEDULE. HOLDOWNS INDICATED ARE TO BE INSTALLED AT THE BASE OF WALL FRAMING SUPPORTING THIS PLAN LEVELS STRUCTURE.
9. SEE ARCHITECTURAL DRAWINGS FOR ANY DIMENSIONS NOT INDICATED HEREIN.
10. SEE SHEET S001 FOR GENERAL STRUCTURAL INFORMATION.

WALL STUD SCHEDULE

MARK	FLOOR	STUD SIZE & SPACING	WOOD MATERIAL
W1	3RD FLOOR	2 x 4 @ 24" O.C. EA. SIDE	SPF #1/#2
	2ND FLOOR	2 x 4 @ 24" O.C. EA. SIDE	SPF #1/#2
	1ST FLOOR	2 x 4 @ 24" O.C. EA. SIDE	SPF #1/#2
W2	3RD FLOOR	2 x 4 @ 16" O.C. EA. SIDE	SPF #1/#2
	2ND FLOOR	2 x 4 @ 12" O.C. EA. SIDE	SPF #1/#2
	1ST FLOOR	2 x 6 @ 16" O.C. STAGGERED	SPF #1/#2
W3	3RD FLOOR	2 x 6 @ 16" O.C.	SPF #1/#2
	2ND FLOOR	2 x 6 @ 16" O.C.	SPF #1/#2
	1ST FLOOR	2 x 6 @ 16" O.C.	SPF #1/#2
W4	2ND FLOOR	2 x 4 @ 16" O.C. EA. SIDE	SPF #1/#2

WALL STUD SCHEDULE NOTES:

1. UNLESS NOTED OTHERWISE, STUD MATERIAL GRADE SHALL BE AS INDICATED IN THE GENERAL STRUCTURAL NOTES.
2. 'SPF #1/2' INDICATES SPRUCE-PINE-FIR NO.1/NO.2 LUMBER MATERIAL AS GRADED BY N.L.G.A.
3. FRAMING OF ALL STUDS IN MULTI-STORY APPLICATIONS ARE TO ALIGN VERTICALLY WITH EACH OTHER WHERE NO RIM BOARD IS PRESENT TO DISTRIBUTE LOADING. SEE STRUCTURAL DETAILS FOR DISTINCTION.
4. 'STAGGERED' STUD WALLS ARE DOUBLE WALLS WITH STUDS OFFSET FROM EACH OTHER AND SPACED AS INDICATED. SEE ARCHITECTURAL U.L. ASSEMBLIES FOR OVERALL WALL THICKNESS.

WOOD HEADER SCHEDULE

MARK	SIZE	JACK STUDS	KING STUDS	Remarks
H1	(3) 2x6	(1) 2x	(1) 2x	
H1a	(3) 2x6	(1) 2x	(2) 2x	
H2	(3) 2x8	(1) 2x	(2) 2x	
H3	(3) 2x10	(1) 2x	(2) 2x	
H3a	(3) 2x10	(2) 2x	(1) 2x	
H4	(3) 2x12	(2) 2x	(2) 2x	
H4a	(3) 2x12	(2) 2x	(3) 2x	
H5	(3) 1-3/4" x 11-1/2" LVL	(2) 2x	(3) 2x	
H6	(3) 1-3/4" x 14" LVL	(2) 2x	(3) 2x	

HEADER SCHEDULE NOTES:

1. JACK AND KING STUDS SHALL MATCH WALL FRAMING SIZE AND SPECIES OF DESIGNATED STUD WALLS THEY ARE INTEGRAL WITH, U.N.O.
2. SEE GENERAL STRUCTURAL NOTES FOR MINIMUM LUMBER GRADES FOR HEADER FRAMING, U.N.O.
3. SEE GENERAL STRUCTURAL NOTES FOR MINIMUM STRUCTURAL COMPOSITE LUMBER DESIGN VALUES.

WOOD BEAM SCHEDULE

MARK	SIZE	REMARKS
B1	(2) 2x8	
B2	(3) 2x8	
B3	(3) 2x8	PT
B4	(3) 2x10	
B5	(3) 2x10	PT
B6	(3) 2x10	PT, SP NO.2
B7	5-1/4" x 9-1/4" PSL	PT, 2.0E
B8	5-1/4" x 11-7/8" PSL	PT, 2.0E
B9	(3) 1-3/4" x 7-1/4" LVL	
B10	(2) 1-3/4" x 18" LVL	SIMPSON HUC416 EA. END
B10a	(2) 1-3/4" x 18" LVL	SIMPSON HUC416 ONE END
B10b	(2) 1-3/4" x 18" LVL	SIMPSON HUCQ412-SDS ONE END
B10c	(2) 1-3/4" x 18" LVL	SIMPSON HGU3.63-SDS ONE END
B11	(3) 1-3/4" x 18" LVL	
B11a	(3) 1-3/4" x 18" LVL	SIMPSON HU616 EA. END
B11b	(3) 1-3/4" x 18" LVL	SIMPSON MGU5.5-SDS ONE END
B12	(4) 1-3/4" x 18" LVL	
B13	(4) 2x10	PT
B14	(2) 2x12	PT
B15	(3) 2x12	PT
B16	(3) 2x12	PT, SP NO.1
B17	5-1/4" x 11-1/4" PSL	PT, 2.0E

WOOD BEAM SCHEDULE NOTES:

1. SEE PLAN FOR COLUMN/SUPPORT POST SIZE.
2. BEAMS SHALL BEAR FULLY ON SUPPORT POSTS WITH POST CAP OR BLOCK ENDS TO RESTRAIN BEAM FROM ROTATION.
3. SEE GENERAL STRUCTURAL NOTES FOR MINIMUM LUMBER GRADES FOR BEAM FRAMING, U.N.O.
4. SEE GENERAL STRUCTURAL NOTES FOR MINIMUM STRUCTURAL COMPOSITE LUMBER DESIGN VALUES.

#	DATE	CHANGE DESCRIPTION
1	05/30/2025	ADDENDUM #01
2	06/25/2025	ADDENDUM #02

COLUMBUS METROPOLITAN HOUSING AUTHORITY
COMMUNITY. COMMITMENT. COLLABORATION.

CMHA REFUGEE ROAD HOUSING DEVELOPMENT
3355 REFUGEE ROAD, COLUMBUS, OH 43232
FOR
CMHA

Moody Nolan
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: 614-461-4664
CERT. NO: FIRM 00197475

DRAWING TITLE:
3RD FLOOR AND ROOF FRAMING PLAN- BLDG. C

PROGRESS DRAWING NOT FOR CONSTRUCTION

05/01/2025

23446

S106-C

CD PROGRESS SET

REVIT VERSION: 2023
PRINT DATE: 6/25/2025 10:42:25 AM
FILE INFO: Autodesk Docs://23446 CMHA Refugee Rd Housing Dvlpmt- R23\23A.35.081 - CMHA Refugee Rd Apts - Struct (R23).rvt

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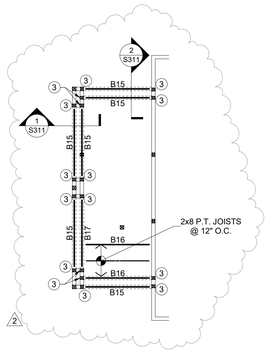
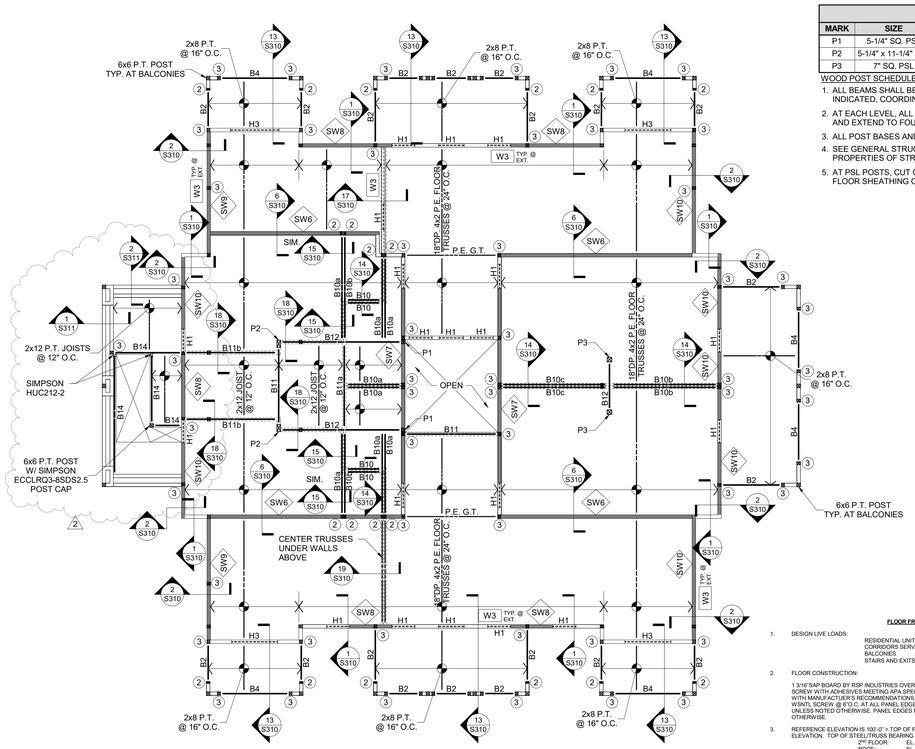


STAIR LANDING FRAMING PLAN

1/8" = 1'-0"



2ND FLOOR FRAMING PLAN

1/8" = 1'-0"

WOOD POST SCHEDULE			
MARK	SIZE	POST CAP	ADDITIONAL COMMENTS
P1	5-1/4" SQ. PSL	ECCQ66SDS2.5	
P2	5-1/4" x 11-1/4" PSL	ECCLQ7.1-6SDS2.5	
P3	7" SQ. PSL	ECCQ7.1-7.1SDS2.5	

WOOD POST SCHEDULE NOTES:

1. ALL BEAMS SHALL BEAR FULLY ON WOOD POSTS. WHERE POST CAPS ARE INDICATED, COORDINATE MANUFACTURER'S INSTALLATION INSTRUCTIONS WITH...
2. AT EACH LEVEL, ALL POSTS SHALL BE COMPRISED OF ONE CONTINUOUS PIECE AND EXTEND TO FOUNDATION SUPPORT OR TRANSFER BEAM BELOW, UNLESS...
3. ALL POST BASES AND CAPS ARE TO BE BY SIMPSON STRONG TIE, U.N.O.
4. SEE GENERAL STRUCTURAL NOTES FOR LUMBER GRADES OR MINIMUM PROPERTIES OF STRUCTURAL COMPOSITE LUMBER.
5. AT PSL POSTS, CUT OUT TOP AND BOTTOM PLATES AND INSTALL POSTS TIGHT TO FLOOR SHEATHING OR SUPPORT.

FLOOR FRAMING NOTES

1. DESIGN LIVE LOADS:
   - RESIDENTIAL UNITS AND CORRIDORS SERVING THEM — 40 PSF
   - BALCONIES — 60 PSF
   - STAIRS AND EXITS — 100 PSF
2. FLOOR CONSTRUCTION:
   1 3/16"SAP BOARD BY RSP INDUSTRIES OVER 16"DEEP PRE-ENGINEERED 4X2 TRUSSES. GLUE AND NAIL ALL CONNECTIVES MEETING APA SPECIFICATIONS APG-01 AND APPLIED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. PROVIDE (6) 1"L x 1"T LOW SIMPSON STRONG-DRIVE W3INTL SCREW @ 6"O.C. AT ALL PANEL EDGES AND 12"O.C. AT ALL INTERMEDIATE SUPPORTS UNLESS NOTED OTHERWISE. PANEL EDGES NEED NOT BE BLOCKED UNLESS NOTED OR DETAILED OTHERWISE.
3. REFERENCE ELEVATION IS 100'-0" = TOP OF FIRST FLOOR SLAB ON GRADE = XXX.XX' ABSOLUTE ELEVATION. TOP OF STEEL/TRUSS BEARING ELEVATION FOR EACH LEVEL IS AS FOLLOWS:
   - 2ND FLOOR: EL. = 112'-4 5/16"
   - ROOF: EL. = 122'-4"
4. B#: INDICATES WOOD BEAM PER SCHEDULE. BEAMS MARKED AS "*B#" ARE TO BE FIRE RATED. SEE DETAILS 7/S002 AND 8/S002 FOR TYPICAL BEAM BEARING SUPPORTS.
5. H#: INDICATES WOOD HEADER FOR WALL OPENINGS PER SCHEDULE. SEE ARCHITECTURAL DRAWINGS FOR OPENING SIZES AND DETAILS 1/S002 AND 2/S002 FOR STANDARD HEADER CONSTRUCTION.
6. (P)2x6 / (F)2x4: INDICATES THE NUMBER OF 2x WOOD STUDS REQUIRED TO CREATE A STUD COLUMN SUPPORT UNDER BEAM OR GIRDER BEARING. PROVIDE A MINIMUM OF (2) 2x STUDS AT ALL BEAMS AND GIRDER TRUSSES, UNLESS NOTED OTHERWISE.
7. SW#: INDICATES WOOD FRAMED SHEARWALL. SEE SHEET S200 FOR WOOD FRAMED SHEARWALL SCHEDULE AND TYPICAL DETAILS.
8. HD#: INDICATES WOOD FRAMED SHEARWALL HOLDOWN. SEE SHEET S200 FOR HOLDOWN SCHEDULE. HOLDOWNS INDICATED ARE TO BE INSTALLED AT THE BASE OF WALL FRAMING SUPPORTING THIS PLAN LEVELS STRUCTURE.
9. SEE ARCHITECTURAL DRAWINGS FOR ANY DIMENSIONS NOT INDICATED HEREIN.
10. SEE SHEET S001 FOR GENERAL STRUCTURAL INFORMATION.

WALL STUD SCHEDULE			
MARK	FLOOR	STUD SIZE & SPACING	WOOD MATERIAL
W1	3RD FLOOR	2 x 4 @ 24" O.C. EA. SIDE	SPF #1/#2
	2ND FLOOR	2 x 4 @ 24" O.C. EA. SIDE	SPF #1/#2
	1ST FLOOR	2 x 4 @ 24" O.C. EA. SIDE	SPF #1/#2
W2	3RD FLOOR	2 x 4 @ 16" O.C. EA. SIDE	SPF #1/#2
	2ND FLOOR	2 x 4 @ 12" O.C. EA. SIDE	SPF #1/#2
	1ST FLOOR	2 x 6 @ 16" O.C. STAGGERED	SPF #1/#2
W3	3RD FLOOR	2 x 6 @ 16" O.C.	SPF #1/#2
	2ND FLOOR	2 x 6 @ 16" O.C.	SPF #1/#2
	1ST FLOOR	2 x 6 @ 16" O.C.	SPF #1/#2
W4	2ND FLOOR	2 x 4 @ 16" O.C. EA. SIDE	SPF #1/#2

WALL STUD SCHEDULE NOTES:

1. UNLESS NOTED OTHERWISE, STUD MATERIAL GRADE SHALL BE AS INDICATED IN THE GENERAL STRUCTURAL NOTES.
2. 'SPF #1/2' INDICATES SPRUCE-PINE-FIR NO.1/NO.2 LUMBER MATERIAL AS GRADED BY N.L.G.A.
3. FRAMING OF ALL STUDS IN MULTI-STORY APPLICATIONS ARE TO ALIGN VERTICALLY WITH EACH OTHER WHERE NO RIM BOARD IS PRESENT TO DISTRIBUTE LOADING. SEE STRUCTURAL DETAILS FOR DISTINCTION.
4. 'STAGGERED' STUD WALLS ARE DOUBLE WALLS WITH STUDS OFFSET FROM EACH OTHER AND SPACED AS INDICATED. SEE ARCHITECTURAL U.L. ASSEMBLIES FOR OVERALL WALL THICKNESS.

WOOD HEADER SCHEDULE				
MARK	SIZE	JACK STUDS	KING STUDS	Remarks
H1	(3) 2x6	(1) 2x	(1) 2x	
H1a	(3) 2x6	(1) 2x	(2) 2x	
H2	(3) 2x8	(1) 2x	(2) 2x	
H3	(3) 2x10	(1) 2x	(2) 2x	
H3a	(3) 2x10	(2) 2x	(1) 2x	
H4	(3) 2x12	(2) 2x	(2) 2x	
H4a	(3) 2x12	(2) 2x	(3) 2x	
H5	(3) 1-3/4" x 11-1/2" LVL	(2) 2x	(3) 2x	
H6	(3) 1-3/4" x 14" LVL	(2) 2x	(3) 2x	

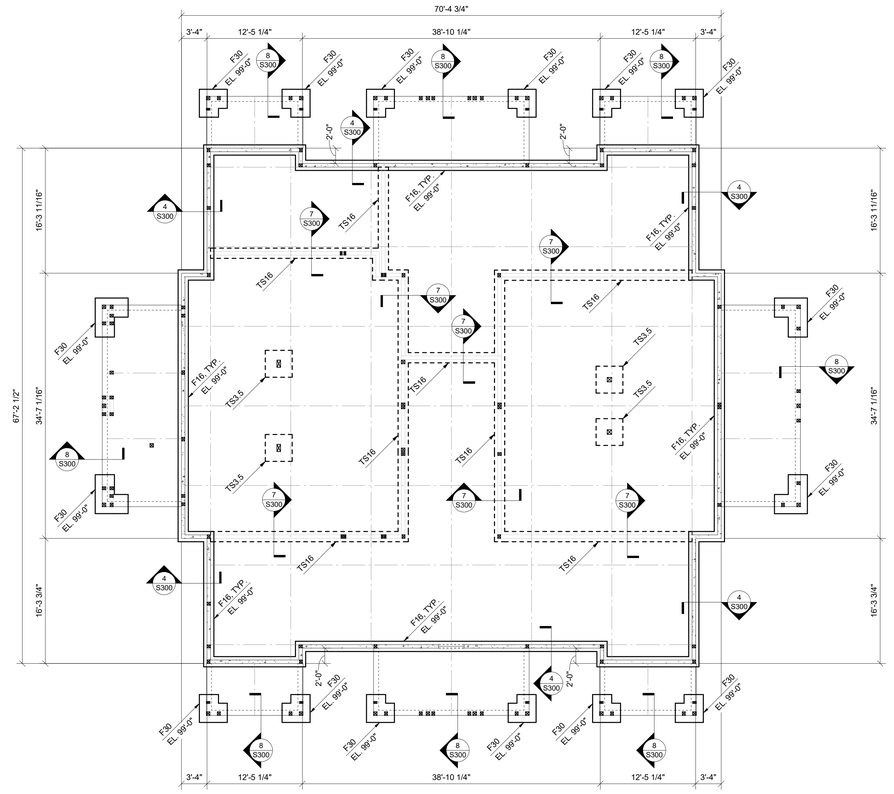
HEADER SCHEDULE NOTES:

1. JACK AND KING STUDS SHALL MATCH WALL FRAMING SIZE AND SPECIES OF DESIGNATED STUD WALLS THEY ARE INTEGRAL WITH, U.N.O.
2. SEE GENERAL STRUCTURAL NOTES FOR MINIMUM LUMBER GRADES FOR HEADER FRAMING, U.N.O.
3. SEE GENERAL STRUCTURAL NOTES FOR MINIMUM STRUCTURAL COMPOSITE LUMBER DESIGN VALUES.

WOOD BEAM SCHEDULE		
MARK	SIZE	REMARKS
B1	(2) 2x8	
B2	(3) 2x8	
B3	(3) 2x8	PT
B4	(3) 2x10	
B5	(3) 2x10	PT
B6	(3) 2x10	PT, SP NO.2
B7	5-1/4" x 9-1/4" PSL	PT, 2.0E
B8	5-1/4" x 11-7/8" PSL	PT, 2.0E
B9	(3) 1-3/4" x 7-1/4" LVL	
B10	(2) 1-3/4" x 18" LVL	SIMPSON HUC416 EA. END
B10a	(2) 1-3/4" x 18" LVL	SIMPSON HUC416 ONE END
B10b	(2) 1-3/4" x 18" LVL	SIMPSON HUCQ412-SDS ONE END
B10c	(2) 1-3/4" x 18" LVL	SIMPSON HGU3.63-SDS ONE END
B11	(3) 1-3/4" x 18" LVL	
B11a	(3) 1-3/4" x 18" LVL	SIMPSON HU616 EA. END
B11b	(3) 1-3/4" x 18" LVL	SIMPSON MGU5.5-SDS ONE END
B12	(4) 1-3/4" x 18" LVL	
B13	(4) 2x10	PT
B14	(2) 2x12	PT
B15	(3) 2x12	PT
B16	(3) 2x12	PT, SP NO.1
B17	5-1/4" x 11-1/4" PSL	PT, 2.0E

WOOD BEAM SCHEDULE NOTES:

1. SEE PLAN FOR COLUMN/SUPPORT POST SIZE.
2. BEAMS SHALL BEAR FULLY ON SUPPORT POSTS WITH POST CAP OR BLOCK ENDS TO RESTRAIN BEAM FROM ROTATION.
3. SEE GENERAL STRUCTURAL NOTES FOR MINIMUM LUMBER GRADES FOR BEAM FRAMING, U.N.O.
4. SEE GENERAL STRUCTURAL NOTES FOR MINIMUM STRUCTURAL COMPOSITE LUMBER DESIGN VALUES.



FOUNDATION PLAN

1/8" = 1'-0"

SPREAD FOOTING SCHEDULE		
MARK	SIZE	REINFORCING
TS3.5	3'-6" x 3'-6" x 1'-0" DP.	(4) #5 EA. WAY BOT.

CONT. WALL FOOTING SCHEDULE		
MARK	SIZE	REINFORCING
F16	1'-4" x 2'-4" DP.	(2) #5 CONT. TOP & BOT.
F30	2'-6" x 2'-4" DP.	(3) #5 CONT. TOP & BOT.
TS16	1'-4" x 1'-0" DP.	(2) #5 CONT. BOT.
TS24	2'-0" x 1'-0" DP.	(3) #5 CONT. BOT.

FOUNDATION NOTES

1. DESIGN SOIL BEARING PRESSURE = 3000 PSF. SEE S001 FOR REFERENCE SOILS REPORT INFORMATION. REFERENCE THIS REPORT FOR ANY REQUIRED SITE BUILDING PAD PREPARATION PRIOR TO FOUNDATION AND/OR SLAB-ON-GRADE CONSTRUCTION. FOOTING EXCAVATIONS MAY BE REQUIRED TO EXTEND THROUGH EXISTING FILL REGIONS IN ORDER TO BEAR ON SUITABLE MATERIAL. OVER-EXCAVATIONS ARE TO BE FILLED WITH LEAN CONCRETE UP TO THE PLANNED BOTTOM OF FOOTING ELEVATION. PLACE NO CONCRETE PRIOR TO INSPECTION AND APPROVAL OF BEARING SURFACES BY SOILS ENGINEER.
2. KEEP FOUNDATIONS FREE OF WATER AT ALL TIMES. REPLACE WEAKENED SOIL WITH LEAN CONCRETE OR FLOWABLE FILL.
3. BOTTOM OF FOOTINGS ARE TO BE AT LEAST 32-INCHES BELOW THE ADJACENT EXTERIOR FINISHED GRADE FOR FROST PROTECTION.
4. ELEVATIONS SHOWN ON FOOTINGS INDICATE ELEVATION AT TOP OF FOOTING. REFERENCE ELEVATION TOP OF CONCRETE SLAB ELEVATION AS NOTED ON PLANS. COORDINATE ABSOLUTE ELEVATION OF TOP OF SLAB WITH SITE DRAWINGS.
5. ▼ INDICATES FOOTING STEP PER SECTION 2/S300. STEP AT A RATIO NOT TO EXCEED ONE VERTICAL TO TWO HORIZONTAL.
6. PROVIDE CORNER BARS AT ALL FOOTING AND CONCRETE WALL INTERSECTIONS PER DETAIL 12/S002.
7. SEE SHEET S001 FOR GENERAL STRUCTURAL INFORMATION.

#	DATE	CHANGE DESCRIPTION
1	05/30/2025	ADDENDUM #01
2	06/25/2025	ADDENDUM #02

COLUMBUS METROPOLITAN HOUSING AUTHORITY
COMMUNITY. COMMITMENT. COLLABORATION.

CMHA REFUGEE ROAD HOUSING DEVELOPMENT
3355 REFUGEE ROAD. COLUMBUS, OH 43232
FOR
CMHA

Moody Nolan
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: 614-461-4664
CERT. NO: FIRM 00197475

DRAWING TITLE:
FOUNDATION PLAN AND 2ND FLOOR FRAMING PLAN- BLDG. D

PROGRESS DRAWING NOT FOR CONSTRUCTION

05/01/2025
23446
S107-D
CD PROGRESS SET

REVIT VERSION: 2023
PRINT DATE: 6/25/2025 10:42:26 AM
FILE INFO: J:\Active\Docs\23446_CMHA Refugee Rd Housing Dvlpmt_R23\24.35\S1...CMHA Refugee Rd Apts - Struct (R23).rvt

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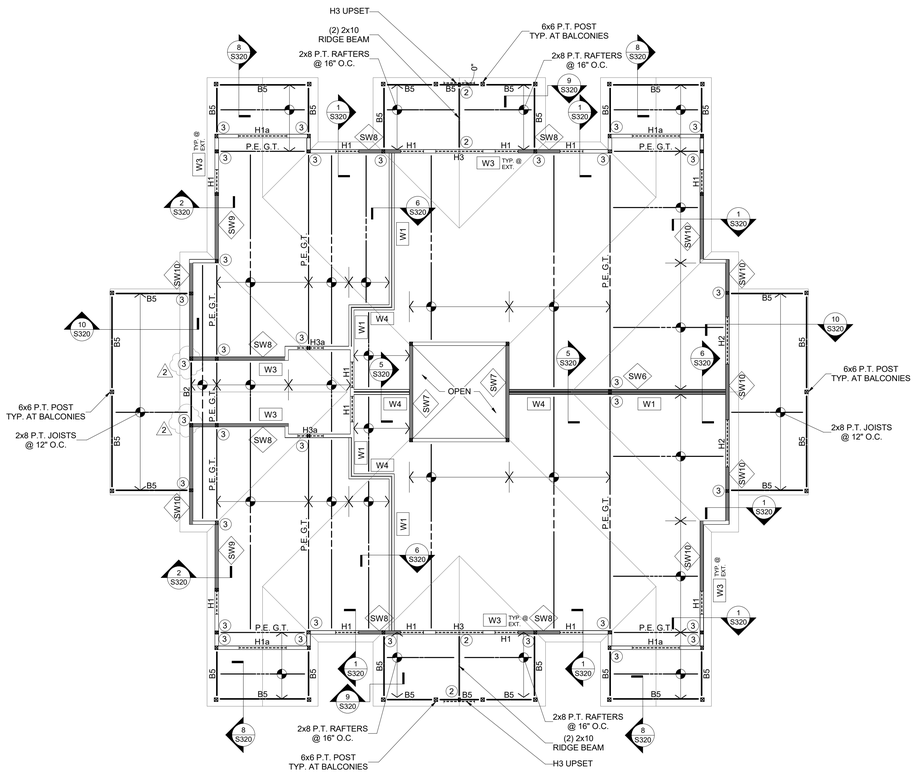

ROOF FRAMING PLAN

1/8" = 1'-0"

HIGH ROOF FRAMING PLAN

1/8" = 1'-0"

ROOF FRAMING NOTES

1. DESIGN LIVE LOADS:
   SLOPED ROOF LIVE 16 PSF
   SLOPED ROOF SNOW 15 PSF
   WIND (ASD NET UPLIFT) 15 PSF
2. ROOF CONSTRUCTION:
   3/4" NOMINAL APA RATED SHEATHING ON PRE-ENGINEERED WOOD TRUSSES OR 2x FRAMING. UNLESS NOTED OTHERWISE, FASTEN SHEATHING TO SUPPORTS AS INDICATED IN THE GENERAL STRUCTURAL NOTES.
3. INDICATES INFILL FRAMING LOCATION. VALLEY SET TRUSSES MAY BE SUBSTITUTED AT CONTRACTOR'S OPTION. INFILL FRAMING IS TO UNIFORMLY DISTRIBUTE LOADING TO UNDERLYING ROOF WITH A MAXIMUM SUPPORT SPACING OF 2'-0". DO NOT STICK-BUILD WITH RIDGE BEAM AND RAFTERS.
4. TRUSS BEARING ELEVATION = 122'-4" UNLESS NOTED OTHERWISE. REFERENCE ELEVATION 100'-0" = TOP OF FIRST FLOOR SLAB ON GRADE.
5. B#: INDICATES WOOD BEAM PER SCHEDULE. SEE DETAILS 7/S002 AND 8/S002 FOR TYPICAL BEAM BEARING SUPPORTS.
6. H#: INDICATES WOOD HEADER FOR WALL OPENINGS PER SCHEDULE. SEE ARCHITECTURAL DRAWINGS FOR OPENING SIZES AND DETAILS 1/S002 AND 2/S002 FOR STANDARD HEADER CONSTRUCTION.
7. (#) 2x6, (#) 2x4: INDICATES THE NUMBER OF 2x WOOD STUDS REQUIRED TO CREATE A STUD COLUMN SUPPORT UNDER BEAM OR GIRDER BEARING. PROVIDE A MINIMUM OF (2) 2x STUDS AT ALL BEAMS AND GIRDER TRUSSES, UNLESS NOTED OTHERWISE.
8. SW#: INDICATES WOOD FRAMED SHEARWALL. SEE SHEET S200 FOR WOOD FRAMED SHEARWALL SCHEDULE AND TYPICAL DETAILS.
9. HD#: INDICATES WOOD FRAMED SHEARWALL HOLDOWN. SEE SHEET S200 FOR HOLDOWN SCHEDULE. HOLDOWNS INDICATED ARE TO BE INSTALLED AT THE BASE OF WALL FRAMING SUPPORTING THIS PLAN LEVELS STRUCTURE.
10. SEE ARCHITECTURAL DRAWINGS FOR ANY DIMENSIONS NOT INDICATED HEREIN.
11. SEE SHEET S001 FOR GENERAL STRUCTURAL INFORMATION.

WALL STUD SCHEDULE

MARK	FLOOR	STUD SIZE & SPACING	WOOD MATERIAL
W1	3RD FLOOR	2 x 4 @ 24" O.C. EA. SIDE	SPF #1/#2
	2ND FLOOR	2 x 4 @ 24" O.C. EA. SIDE	SPF #1/#2
	1ST FLOOR	2 x 4 @ 24" O.C. EA. SIDE	SPF #1/#2
W2	3RD FLOOR	2 x 4 @ 16" O.C. EA. SIDE	SPF #1/#2
	2ND FLOOR	2 x 4 @ 12" O.C. EA. SIDE	SPF #1/#2
	1ST FLOOR	2 x 6 @ 16" O.C. STAGGERED	SPF #1/#2
W3	3RD FLOOR	2 x 6 @ 16" O.C.	SPF #1/#2
	2ND FLOOR	2 x 6 @ 16" O.C.	SPF #1/#2
	1ST FLOOR	2 x 6 @ 16" O.C.	SPF #1/#2
W4	2ND FLOOR	2 x 4 @ 16" O.C. EA. SIDE	SPF #1/#2

WALL STUD SCHEDULE NOTES:

1. UNLESS NOTED OTHERWISE, STUD MATERIAL GRADE SHALL BE AS INDICATED IN THE GENERAL STRUCTURAL NOTES.
2. 'SPF #1/2' INDICATES SPRUCE-PINE-FIR NO.1/NO.2 LUMBER MATERIAL AS GRADED BY N.L.G.A.
3. FRAMING OF ALL STUDS IN MULTI-STORY APPLICATIONS ARE TO ALIGN VERTICALLY WITH EACH OTHER WHERE NO RIM BOARD IS PRESENT TO DISTRIBUTE LOADING. SEE STRUCTURAL DETAILS FOR DISTINCTION.
4. 'STAGGERED' STUD WALLS ARE DOUBLE WALLS WITH STUDS OFFSET FROM EACH OTHER AND SPACED AS INDICATED. SEE ARCHITECTURAL U.L. ASSEMBLIES FOR OVERALL WALL THICKNESS.

WOOD HEADER SCHEDULE

MARK	SIZE	JACK STUDS	KING STUDS	Remarks
H1	(3) 2x6	(1) 2x	(1) 2x	
H1a	(3) 2x6	(1) 2x	(2) 2x	
H2	(3) 2x8	(1) 2x	(2) 2x	
H3	(3) 2x10	(1) 2x	(2) 2x	
H3a	(3) 2x10	(2) 2x	(1) 2x	
H4	(3) 2x12	(2) 2x	(2) 2x	
H4a	(3) 2x12	(2) 2x	(3) 2x	
H5	(3) 1-3/4" x 11-1/2" LVL	(2) 2x	(3) 2x	
H6	(3) 1-3/4" x 14" LVL	(2) 2x	(3) 2x	

HEADER SCHEDULE NOTES:

1. JACK AND KING STUDS SHALL MATCH WALL FRAMING SIZE AND SPECIES OF DESIGNATED STUD WALLS THEY ARE INTEGRAL WITH, U.N.O.
2. SEE GENERAL STRUCTURAL NOTES FOR MINIMUM LUMBER GRADES FOR HEADER FRAMING, U.N.O.
3. SEE GENERAL STRUCTURAL NOTES FOR MINIMUM STRUCTURAL COMPOSITE LUMBER DESIGN VALUES.

WOOD BEAM SCHEDULE

MARK	SIZE	REMARKS
B1	(2) 2x8	
B2	(3) 2x8	
B3	(3) 2x8	PT
B4	(3) 2x10	
B5	(3) 2x10	PT
B6	(3) 2x10	PT, SP NO.2
B7	5-1/4" x 9-1/4" PSL	PT, 2.0E
B8	5-1/4" x 11-7/8" PSL	PT, 2.0E
B9	(3) 1-3/4" x 7-1/4" LVL	
B10	(2) 1-3/4" x 18" LVL	SIMPSON HUC416 EA. END
B10a	(2) 1-3/4" x 18" LVL	SIMPSON HUC416 ONE END
B10b	(2) 1-3/4" x 18" LVL	SIMPSON HUCQ412-SDS ONE END
B10c	(2) 1-3/4" x 18" LVL	SIMPSON HGU3.63-SDS ONE END
B11	(3) 1-3/4" x 18" LVL	
B11a	(3) 1-3/4" x 18" LVL	SIMPSON HU616 EA. END
B11b	(3) 1-3/4" x 18" LVL	SIMPSON MGU5.5-SDS ONE END
B12	(4) 1-3/4" x 18" LVL	
B13	(4) 2x10	PT
B14	(2) 2x12	PT
B15	(3) 2x12	PT
B16	(3) 2x12	PT, SP NO.1
B17	5-1/4" x 11-1/4" PSL	PT, 2.0E

WOOD BEAM SCHEDULE NOTES:

1. SEE PLAN FOR COLUMN/SUPPORT POST SIZE.
2. BEAMS SHALL BEAR FULLY ON SUPPORT POSTS WITH POST CAP OR BLOCK ENDS TO RESTRAIN BEAM FROM ROTATION.
3. SEE GENERAL STRUCTURAL NOTES FOR MINIMUM LUMBER GRADES FOR BEAM FRAMING, U.N.O.
4. SEE GENERAL STRUCTURAL NOTES FOR MINIMUM STRUCTURAL COMPOSITE LUMBER DESIGN VALUES.

#	DATE	CHANGE DESCRIPTION
1	05/30/2025	ADDENDUM #01
2	06/25/2025	ADDENDUM #02

COLUMBUS METROPOLITAN HOUSING AUTHORITY
COMMUNITY. COMMITMENT. COLLABORATION.

CMHA REFUGEE ROAD HOUSING DEVELOPMENT
3355 REFUGEE ROAD. COLUMBUS, OH 43232
FOR
CMHA

Moody Nolan
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: 614-461-4664
CERT. NO: FIRM 00197475

DRAWING TITLE:

ROOF FRAMING PLAN- BLDG. D

PROGRESS DRAWING NOT FOR CONSTRUCTION

05/01/2025

23446

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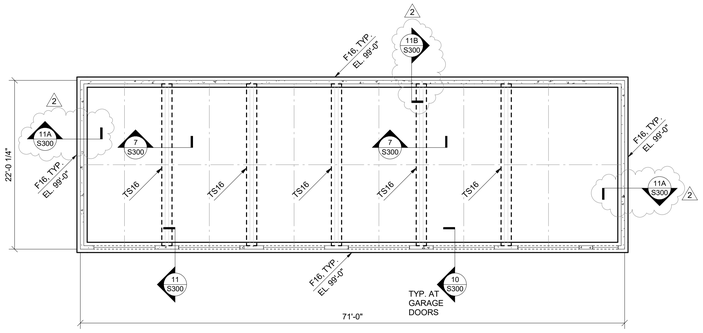
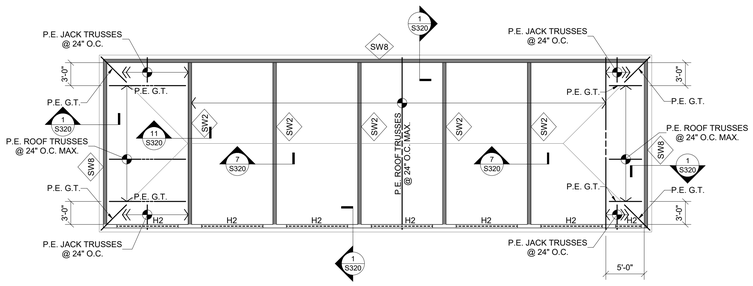


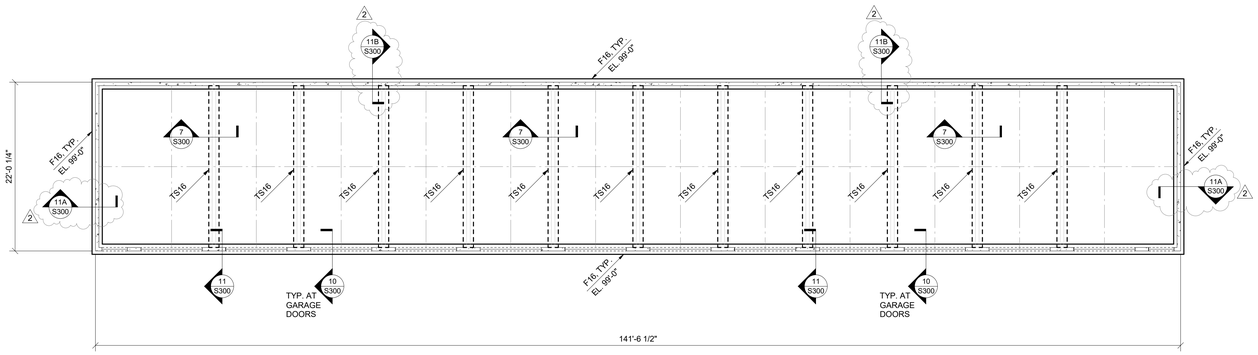
FOUNDATION PLAN - GARAGE G1

1/8" = 1'-0"



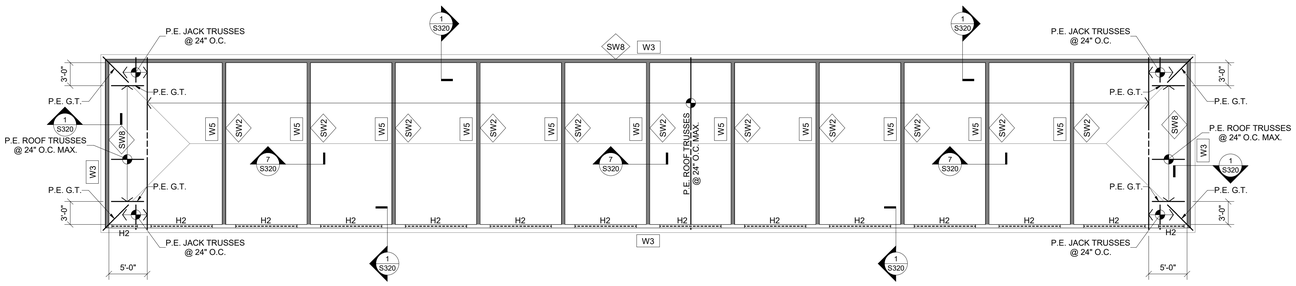
ROOF FRAMING PLAN - GARAGE G1

1/8" = 1'-0"



FOUNDATION PLAN - GARAGE G2

1/8" = 1'-0"



ROOF FRAMING PLAN - GARAGE G2

1/8" = 1'-0"

CONT. WALL FOOTING SCHEDULE		
MARK	SIZE	REINFORCING
F16	1'-4" x 2'-4" DP.	(2) #5 CONT. TOP & BOT.
F30	2'-6" x 2'-4" DP.	(3) #5 CONT. TOP & BOT.
TS16	1'-4" x 1'-0" DP.	(2) #5 CONT. BOT.
TS24	2'-0" x 1'-0" DP.	(3) #5 CONT. BOT.

WALL STUD SCHEDULE			
MARK	FLOOR	STUD SIZE & SPACING	WOOD MATERIAL
W1	3RD FLOOR	2 x 4 @ 24" O.C. EA. SIDE	SPF #1/#2
	2ND FLOOR	2 x 4 @ 24" O.C. EA. SIDE	SPF #1/#2
	1ST FLOOR	2 x 4 @ 24" O.C. EA. SIDE	SPF #1/#2
W2	3RD FLOOR	2 x 4 @ 16" O.C. EA. SIDE	SPF #1/#2
	2ND FLOOR	2 x 4 @ 12" O.C. EA. SIDE	SPF #1/#2
	1ST FLOOR	2 x 6 @ 16" O.C. STAGGERED	SPF #1/#2
W3	3RD FLOOR	2 x 6 @ 16" O.C.	SPF #1/#2
	2ND FLOOR	2 x 6 @ 16" O.C.	SPF #1/#2
	1ST FLOOR	2 x 6 @ 16" O.C.	SPF #1/#2
W4	2ND FLOOR	2 x 4 @ 16" O.C. EA. SIDE	SPF #1/#2

WALL STUD SCHEDULE NOTES:

1. UNLESS NOTED OTHERWISE, STUD MATERIAL GRADE SHALL BE AS INDICATED IN THE GENERAL STRUCTURAL NOTES.
2. 'SPF #1/2' INDICATES SPRUCE-PINE-FIR NO.1/NO.2 LUMBER MATERIAL AS GRADED BY N.L.G.A.
3. FRAMING OF ALL STUDS IN MULTI-STORY APPLICATIONS ARE TO ALIGN VERTICALLY WITH EACH OTHER WHERE NO RIM BOARD IS PRESENT TO DISTRIBUTE LOADING. SEE STRUCTURAL DETAILS FOR DISTINCTION.
4. 'STAGGERED' STUD WALLS ARE DOUBLE WALLS WITH STUDS OFFSET FROM EACH OTHER AND SPACED AS INDICATED. SEE ARCHITECTURAL U.L. ASSEMBLIES FOR OVERALL WALL THICKNESS.

WOOD HEADER SCHEDULE				
MARK	SIZE	JACK STUDS	KING STUDS	Remarks
H1	(3) 2x6	(1) 2x	(1) 2x	
H1a	(3) 2x6	(1) 2x	(2) 2x	
H2	(3) 2x8	(1) 2x	(2) 2x	
H3	(3) 2x10	(1) 2x	(2) 2x	
H3a	(3) 2x10	(2) 2x	(1) 2x	
H4	(3) 2x12	(2) 2x	(2) 2x	
H4a	(3) 2x12	(2) 2x	(3) 2x	
H5	(3) 1-3/4" x 11-1/2" LVL	(2) 2x	(3) 2x	
H6	(3) 1-3/4" x 14" LVL	(2) 2x	(3) 2x	

HEADER SCHEDULE NOTES:

1. JACK AND KING STUDS SHALL MATCH WALL FRAMING SIZE AND SPECIES OF DESIGNATED STUD WALLS THEY ARE INTEGRAL WITH, U.N.O.
2. SEE GENERAL STRUCTURAL NOTES FOR MINIMUM LUMBER GRADES FOR HEADER FRAMING, U.N.O.
3. SEE GENERAL STRUCTURAL NOTES FOR MINIMUM STRUCTURAL COMPOSITE LUMBER DESIGN VALUES.

ROOF FRAMING NOTES

1. DESIGN LIVE LOADS: SLOPED ROOF LIVE 16 PSF; SLOPED ROOF SNOW 15 PSF; WIND (ASD NET UPLIFT) 15 PSF
2. ROOF CONSTRUCTION: 3/4" NOMINAL APA RATED SHEATHING ON PRE-ENGINEERED WOOD TRUSSES OR 2x FRAMING. UNLESS NOTED OTHERWISE, FASTEN SHEATHING TO SUPPORTS AS INDICATED IN THE GENERAL STRUCTURAL NOTES.
3. INDICATES INFILL FRAMING LOCATION. VALLEY SET TRUSSES MAY BE SUBSTITUTED AT CONTRACTOR'S OPTION. INFILL FRAMING IS TO UNIFORMLY DISTRIBUTE LOADING TO UNDERLYING ROOF WITH A MAXIMUM SUPPORT SPACING OF 2'-0". DO NOT STICK-BUILD WITH RIDGE BEAM AND RAFTERS.
4. TRUSS BEARING ELEVATION = 109'-1 ½" UNLESS NOTED OTHERWISE. REFERENCE ELEVATION 100'-0" = TOP OF FIRST FLOOR SLAB ON GRADE.
5. B# INDICATES WOOD BEAM PER SCHEDULE. SEE DETAILS 7/S002 AND 8/S002 FOR TYPICAL BEAM BEARING SUPPORTS.
6. H# INDICATES WOOD HEADER FOR WALL OPENINGS PER SCHEDULE. SEE ARCHITECTURAL DRAWINGS FOR OPENING SIZES AND DETAILS 1/S002 AND 2/S002 FOR STANDARD HEADER CONSTRUCTION.
7. (2)2x6 / (#)2x4 INDICATES THE NUMBER OF 2x WOOD STUDS REQUIRED TO CREATE A STUD COLUMN SUPPORT UNDER BEAM OR GIRDER BEARING. PROVIDE A MINIMUM OF (2) 2x STUDS AT ALL BEAMS AND GIRDER TRUSSES, UNLESS NOTED OTHERWISE.
8. SW# INDICATES WOOD FRAMED SHEARWALL. SEE SHEET S200 FOR WOOD FRAMED SHEARWALL SCHEDULE AND TYPICAL DETAILS.
9. HD# INDICATES WOOD FRAMED SHEARWALL HOLDOWN. SEE SHEET S200 FOR HOLDOWN SCHEDULE. HOLDOWNS INDICATED ARE TO BE INSTALLED AT THE BASE OF WALL FRAMING SUPPORTING THIS PLAN LEVELS STRUCTURE.
10. SEE ARCHITECTURAL DRAWINGS FOR ANY DIMENSIONS NOT INDICATED HEREIN.
11. SEE SHEET S001 FOR GENERAL STRUCTURAL INFORMATION.

FOUNDATION NOTES

1. DESIGN SOIL BEARING PRESSURE = 3000 PSF. SEE S001 FOR REFERENCE SOILS REPORT INFORMATION. REFERENCE THIS REPORT FOR ANY REQUIRED SITE BUILDING PAD PREPARATION PRIOR TO FOUNDATION AND/OR SLAB-ON-GRADE CONSTRUCTION. FOOTING EXCAVATIONS MAY BE REQUIRED TO EXTEND THROUGH EXISTING FILL REGIONS IN ORDER TO BEAR ON SUITABLE MATERIAL. OVER-EXCAVATIONS ARE TO BE FILLED WITH LEAN CONCRETE UP TO THE PLANNED BOTTOM OF FOOTING ELEVATION. PLACE NO CONCRETE PRIOR TO INSPECTION AND APPROVAL OF BEARING SURFACES BY SOILS ENGINEER.
2. KEEP FOUNDATIONS FREE OF WATER AT ALL TIMES. REPLACE WEAKENED SOIL WITH LEAN CONCRETE OR FLOWABLE FILL.
3. BOTTOM OF FOOTINGS ARE TO BE AT LEAST 32-INCHES BELOW THE ADJACENT EXTERIOR FINISHED GRADE FOR FROST PROTECTION.
4. ELEVATIONS SHOWN ON FOOTINGS INDICATE ELEVATION AT TOP OF FOOTING. REFERENCE ELEVATION/TOP OF CONCRETE SLAB ELEVATION AS NOTED ON PLANS. COORDINATE ABSOLUTE ELEVATION OF TOP OF SLAB WITH SITE DRAWINGS.
5. ▼ INDICATES FOOTING STEP PER SECTION 2/S300. STEP AT A RATIO NOT TO EXCEED ONE VERTICAL TO TWO HORIZONTAL.
6. PROVIDE CORNER BARS AT ALL FOOTING AND CONCRETE WALL INTERSECTIONS PER DETAIL 12/S002.
7. SEE SHEET S001 FOR GENERAL STRUCTURAL INFORMATION.

#	DATE	CHANGE DESCRIPTION
1	05/30/2025	ADDENDUM #01
2	06/25/2025	ADDENDUM #02

COLUMBUS METROPOLITAN HOUSING AUTHORITY
COMMUNITY. COMMITMENT. COLLABORATION.

CMHA REFUGEE ROAD HOUSING DEVELOPMENT
3355 REFUGEE ROAD, COLUMBUS, OH 43232
FOR
CMHA

Moody Nolan
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: 614-461-4664
CERT. NO: FIRM 00197475

DRAWING TITLE:
FOUNDATION AND ROOF FRAMING PLAN - GARAGE

05/01/2025
23446

PROGRESS DRAWING NOT FOR CONSTRUCTION

S109-G

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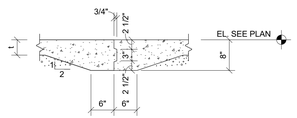
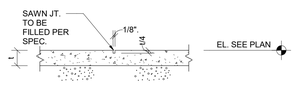
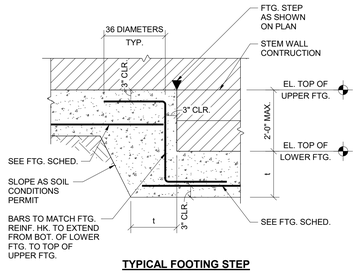


TYPICAL FLOOR CONSTRUCTION JOINT



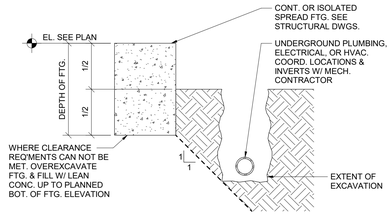
TYPICAL FLOOR CONTROL JOINT

SECTION 1 — 3/4" = 1'-0"



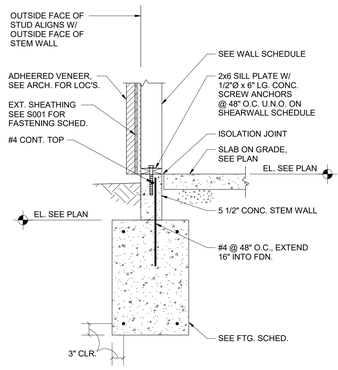
TYPICAL FOOTING STEP

SECTION 2 — 3/4" = 1'-0"

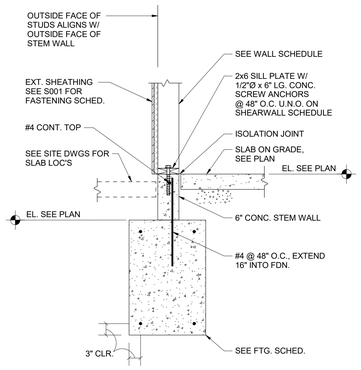


TYPICAL EXCAVATION CLEARANCE REQUIREMENTS

SECTION 3 — 3/4" = 1'-0"



SECTION 4 — 3/4" = 1'-0"



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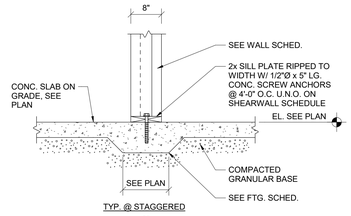
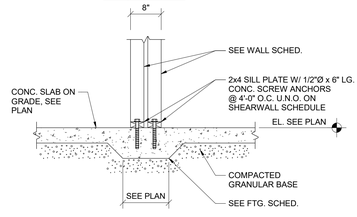
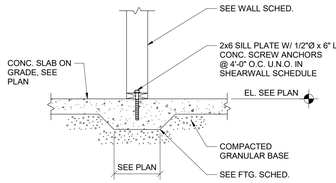


TYP. @ STAGGERED



TYP. @ DBL. 2x4 WALL

SECTION 6 — 3/4" = 1'-0"



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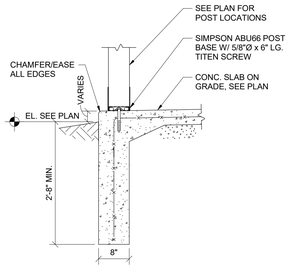
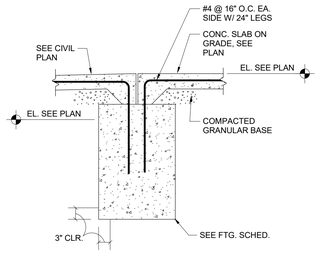
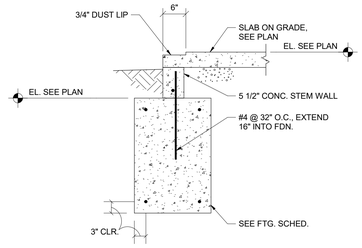


SECTION 8 — 3/4" = 1'-0"



SECTION 9 — 3/4" = 1'-0"



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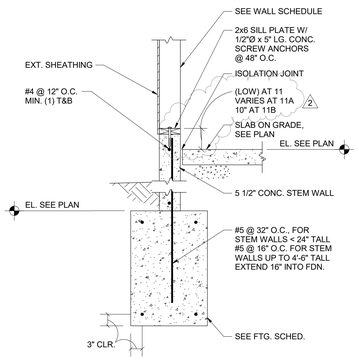

SECTION 11 11A 11B — 3/4" = 1'-0"

#	DATE	CHANGE DESCRIPTION
2	06/25/2025	ADDENDUM #02

COLUMBUS METROPOLITAN HOUSING AUTHORITY
COMMUNITY. COMMITMENT. COLLABORATION.

CMHA REFUGEE ROAD HOUSING DEVELOPMENT
3355 REFUGEE ROAD, COLUMBUS, OH 43232
FOR
CMHA

Moody Nolan
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: 614-461-4664
CERT. NO: FIRM 00197475

DRAWING TITLE:

FOUNDATION DETAILS

PROGRESS DRAWING NOT FOR CONSTRUCTION

05/01/2025

23446

S300

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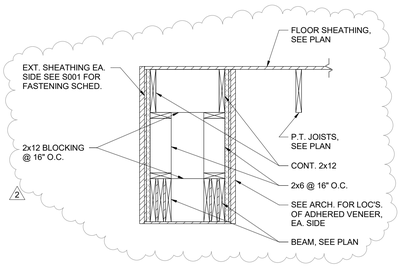
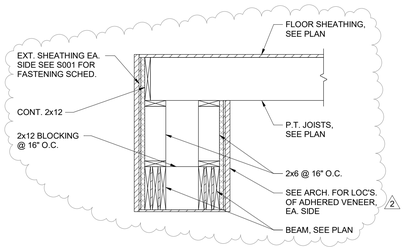


SECTION 1
3/4" = 1'-0"



SECTION 2
3/4" = 1'-0"

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23446

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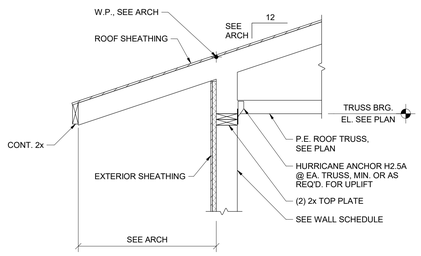
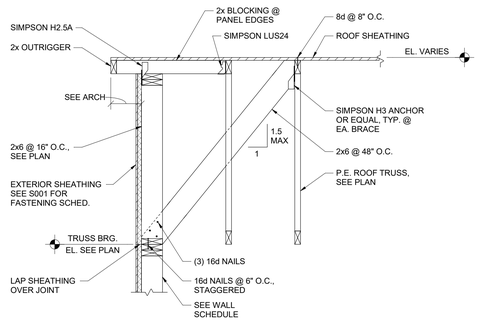


SECTION 1 — 3/4" = 1'-0"



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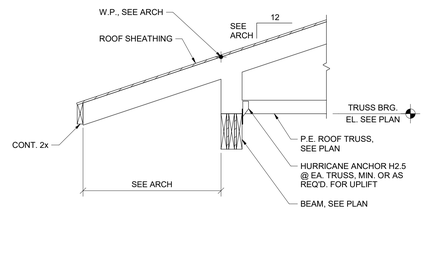

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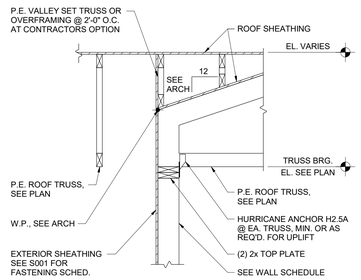

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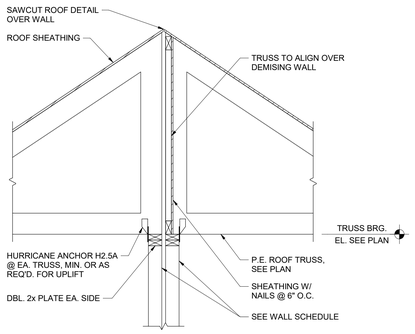

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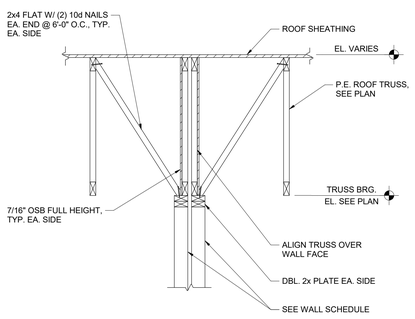

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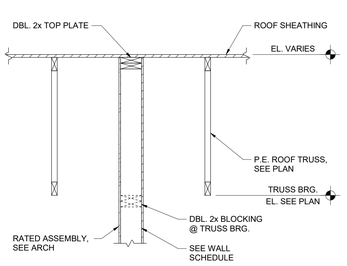

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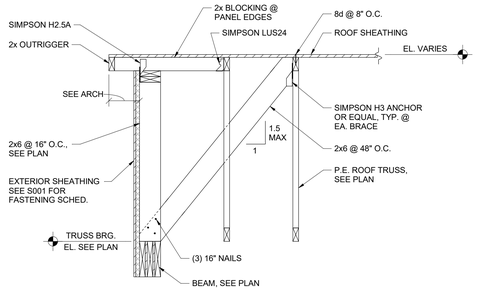

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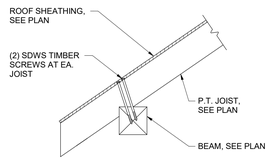
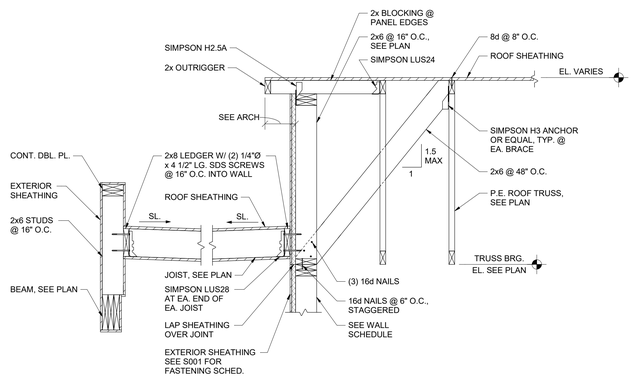
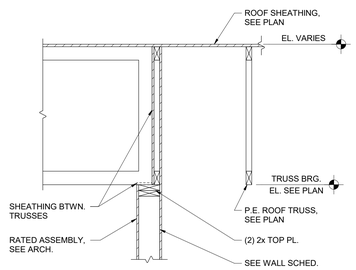


SECTION 9 — 3/4" = 1'-0"



SECTION 10 — 3/4" = 1'-0"



SECTION 11 — 3/4" = 1'-0"

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CERT. NO: FIRM 00197475

DRAWING TITLE:
FRAMING DETAILS

PROGRESS DRAWING NOT FOR CONSTRUCTION

05/01/2025
23446
S320
CD PROGRESS SET

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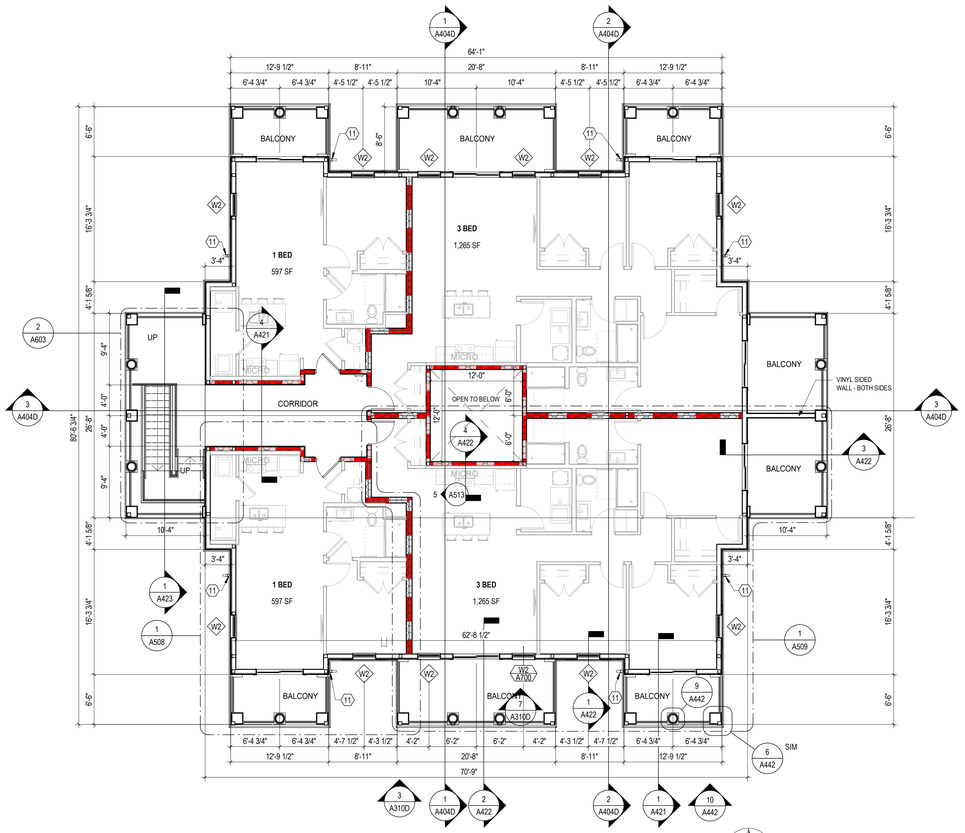
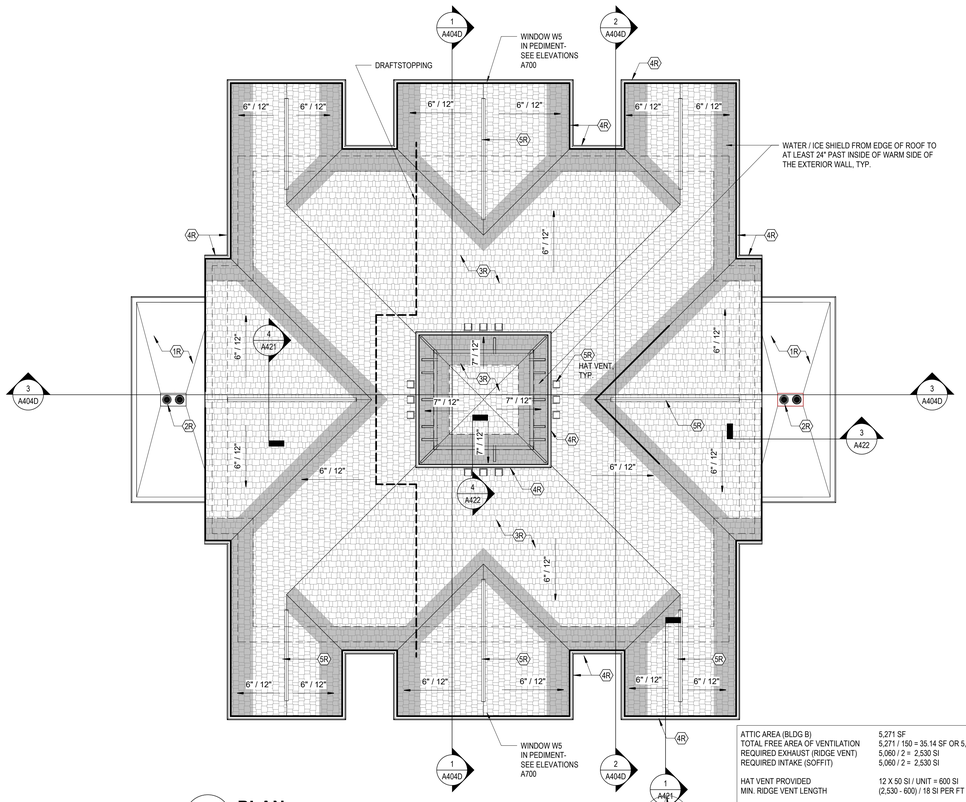
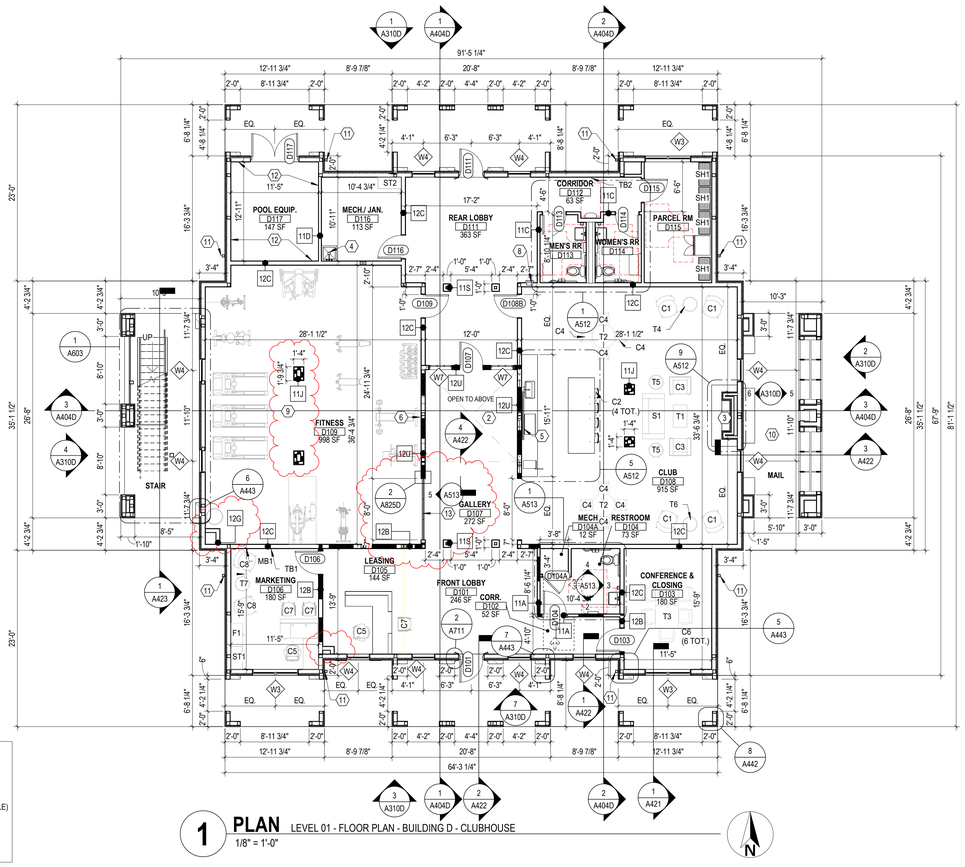


2 PLAN LEVEL 02 - FLOOR PLAN - BUILDING D - CLUBHOUSE
1/8" = 1'-0"



3 PLAN ROOF PLAN - BUILDING D - CLUBHOUSE
1/8" = 1'-0"

ATTIC AREA (BLDG B)	5,271 SF
TOTAL FREE AREA OF VENTILATION	5,271 / 150 = 35.14 SF OR 5,060 SI
REQUIRED EXHAUST (RIDGE VENT)	5,060 / 2 = 2,530 SI
REQUIRED INTAKE (SOFFIT)	5,060 / 2 = 2,530 SI
HAT VENT PROVIDED	12 X 50 SI / UNIT = 600 SI
MIN. RIDGE VENT LENGTH	(2,530 - 600) / 18 SI PER FT = 107 FT (117 SF AVAILABLE)
AREA OF SOFFIT AVAILABLE	379 LINEAR FT X 1'-3" SOFFIT DEPTH = 474 SF
SOFFIT VENTILATION REQUIRED PER SQ.FT	2,530 / 474 = 5.3 SI / FT



1 PLAN LEVEL 01 - FLOOR PLAN - BUILDING D - CLUBHOUSE
1/8" = 1'-0"

GENERAL NOTES - ROOF PLAN

- REFER TO STRUCTURAL DRAWINGS FOR TRUSS BEARING ELEVATIONS AND ALL STRUCTURAL ELEMENTS.
- REFER TO MECHANICAL DRAWINGS FOR PIPE PENETRATIONS DETAILS AT ROOF. PROVIDE FLASHING AS REQUIRED BY ROOF MANUFACTURER.
- REFER TO MEP DRAWINGS FOR INFORMATION REGARDING ROOF-MOUNTED EQUIPMENT AND ALL REQUIRED ROOF PENETRATIONS.
- INSTALL ROOF SADDLE OR CRICKET (MIN. 1/4" / FT SLOPE) AT LOCATIONS ON ROOF WHERE EQUIPMENT ROOF PENETRATIONS BLOCK DOWN FLOW OF WATER TO GUTTERS/ DOWNSPOUTS.
- PROVIDE ROOF CRICKETS AS NEEDED TO DIRECT WATER FLOW AROUND CURBS AND TOWARD GUTTERS/ DOWNSPOUTS.
- A MINIMUM ROOF SLOPE OF 1/4" PER FOOT IS REQUIRED.
- PROVIDE ROOF RIDGE VENTS & ROOF EXHAUST HOODS PER CODE FOR ROOF AREA. SUBMIT CALCULATIONS AND LAYOUT PLAN SHOP DRAWING.
- PROVIDE ICE & WATER SHIELD EXTENDING FROM EDGE OF ROOF TO AT LEAST 24" INSIDE OF THE EXTERIOR WALL LINE OF THE BUILDING + OVERHANG AND 3' WIDE AT ALL ROOF VALLEY LOCATIONS.

(X) CODED NOTE LEGEND - ROOF PLAN

1R. TPO ROOF MEMBRANE OVER TAPERED ROOF INSULATION 1/4" PER FOOT TO DRAIN OVER 5/8" EXT. PLYWOOD SHEATHING.

2R. ROOF DRAIN - SEE PLUMBING DWGS. ROUTE DRAIN TO COLUMN, TIE PRIMARY INTO STORM SYSTEM & SECONDARY TO OUTLET ON COLUMN WALL 18" ABOVE GRADE.

3R. ASPHALT SHINGLE ROOF OVER ROOF UNDERLAYMENT. PROVIDE ICE & WATERSHIELD FOR FIRST 24" UP FROM EXTERIOR WALL + ROOF OVERHANG & 3' WIDE AT ROOF VALLEYS.

4R. PREFINISHED ALUMINUM GUTTER & DOWNSPOUTS TO BOOT & CONNECT TO STORM DRAINAGE SYSTEM. SEE CIVIL DRAWINGS.

5R. ROOF RIDGE VENT & ADDITIONAL VENT HOODS AS REQUIRED FOR ATTIC VENTILATION. PROVIDE SHOP DRAWING FOR VENTS ALONG WITH VENT AREA CALCULATION.

GENERAL NOTES - FLOOR PLAN

A. ALL DIMENSIONS ARE TO FACE OF WALL (UNLESS NOTED OTHERWISE).

B. SEE STRUCTURAL DRAWINGS FOR LOCATIONS OF ALL STEEL REINFORCING IN WALL & FLOOR CONSTRUCTION.

C. SEE ELEVATIONS AND STRUCTURAL DRAWINGS FOR LOCATIONS OF EXPANSION & CONTROL JOINTS. CONTRACTOR SHALL PROVIDE ADDITIONAL INTERIOR CONTROL JOINTS AS REQUIRED TO COMPLY WITH MAXIMUM SPACING REQUIREMENTS IN SPECIFICATIONS AND NATIONAL MASONRY INSTITUTE.

D. ALL EGRESS DOORS SHALL COMPLY WITH CURRENT OHIO BUILDING CODE, NFPA, OSHA AND ALL OTHER FEDERAL, STATE AND LOCAL CODES HAVING JURISDICTION.

E. OFFSET STUDS AND/ OR SHIM AS REQUIRED TO ALIGN FINISH MATERIALS.

F. CONTRACTOR TO PROVIDE BLOCKING IN WALLS AT LOCATIONS OF ALL WALL-MOUNTED CASEWORK, MILLWORK, FIXTURES AND EQUIPMENT. COORDINATE FINAL LOCATION WITH OWNER PRIOR TO INSTALLATION.

G. CONTRACTOR TO FIELD VERIFY DIMENSIONS PRIOR TO INSTALLING ALL COUNTERTOPS, CASEWORK, MILLWORK AND EQUIPMENT.

H. SEE FINISH SCHEDULE FOR ADDITIONAL INFORMATION OF LOCATIONS AND TYPES OF FINISH MATERIALS.

J. MECHANICAL & ELECTRICAL EQUIPMENT SHALL BE ON HOUSEKEEPING PADS. PADS ARE TO BE PROVIDED BY THE TRADE SUPPLYING THE EQUIPMENT. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION. WORK TO BE COORDINATED THROUGH THE GENERAL TRADES CONTRACTOR. PADS 4" MIN. 4" THICK W/ W.W.F., UNLESS NOTED OTHERWISE).

(X) CODED NOTE LEGEND - FLOOR PLAN

1. ALIGN FEATURES / FINISH SURFACES.
2. CUPOLA ABOVE.
3. PRE-MANUFACTURED VENT-FREE GAS FIREPLACE, PER MANUFACTURER'S SPECIFICATIONS (BASED ON ARTISAN AVFL42 BY MONESSEN).
4. MOP SINK - REFER TO PLUMBING DRAWINGS.
5. LCD TV DISPLAY - COORDINATE MOUNTING HEIGHT WITH OWNER.
6. PANELIZED WALL MIRROR - COORDINATE SIZE AND MOUNTING HEIGHT WITH OWNER. FOLLOW MANUFACTURER'S INSTRUCTIONS FOR MOUNTING REQUIREMENTS.
7. WHITE BOARD - COORDINATE SIZE AND MOUNTING HEIGHT WITH OWNER. FOLLOW MANUFACTURER'S INSTRUCTIONS FOR MOUNTING REQUIREMENTS.
8. SEMI-RECESSED FIRE EXTINGUISHER CABINET.
9. FITNESS EQUIPMENT BY OWNER - SHOWN FOR REFERENCE ONLY. REFER TO ELECTRICAL DRAWINGS.
10. WALL-MOUNTED CLUSTER BOX UNITS, SEE ELEVATIONS FOR TYPE
11. DOWNSPOUT
12. PROVIDE MOLD & MOISTURE RESISTANT GWB ON INTERIOR SIDE OF POOL ROOM
13. DEMOUNTABLE GLASS WALL SYSTEM

RATED WALL LEGEND

- 1 HOUR RATED FIRE PARTITION
- INSULATED 1 HOUR RATED FIRE BARRIER
- INSULATED 1 HOUR RATED BEARING WALL
- INSULATED 1 HOUR RATED BEARING WALL / FIRE BARRIER

#	DATE	CHANGE DESCRIPTION
1	06/11/25	ADDENDUM# 01
2	06/25/25	ADDENDUM# 02

COLUMBUS METROPOLITAN HOUSING AUTHORITY
COMMUNITY. COMMITMENT. COLLABORATION.

THE FALLS ON REFUGEE ROAD
3355 REFUGEE ROAD, COLUMBUS, OH 43232
FOR
CMHA

Moody Nolan
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: 614-461-4664
CERT. NO: FIRM 00197475

DRAWING TITLE:

CLUBHOUSE - FLOOR & ROOF PLANS

PROGRESS DRAWING NOT FOR CONSTRUCTION

05/01/2025
23446
A106D
CD PROGRESS SET

REVIT VERSION: 2023
PRINT DATE: 6/26/2025 2:06:38 PM
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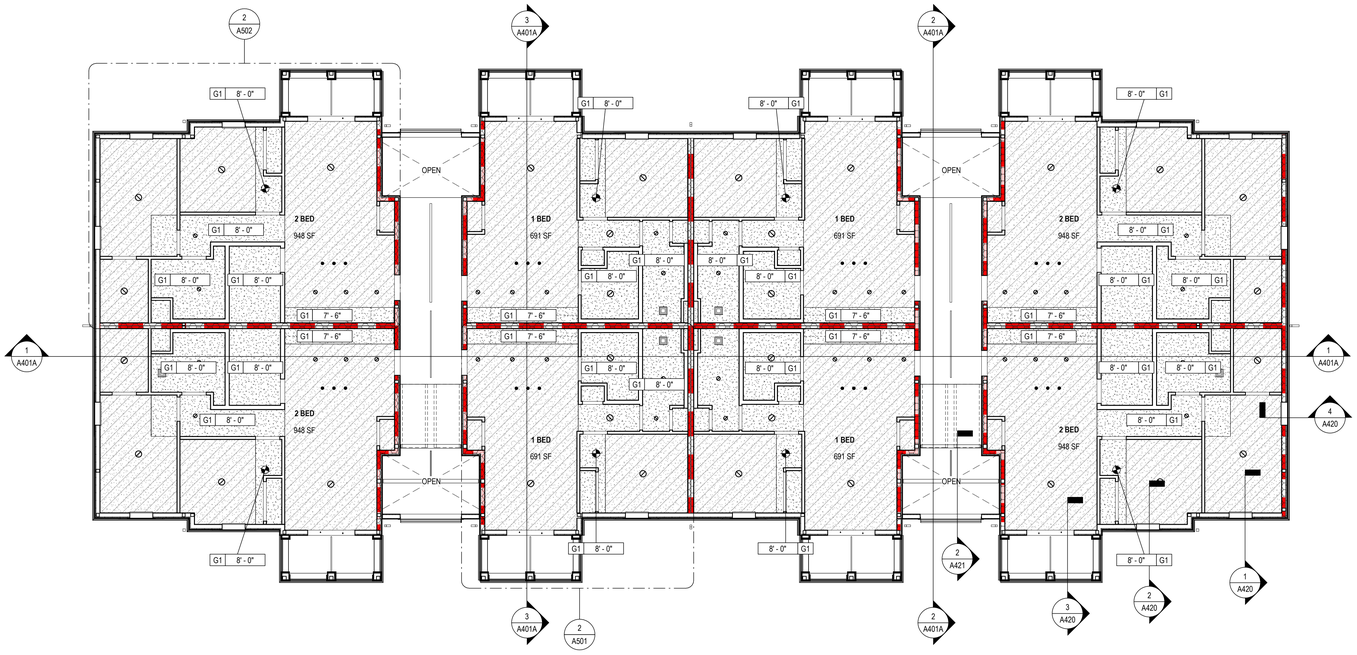
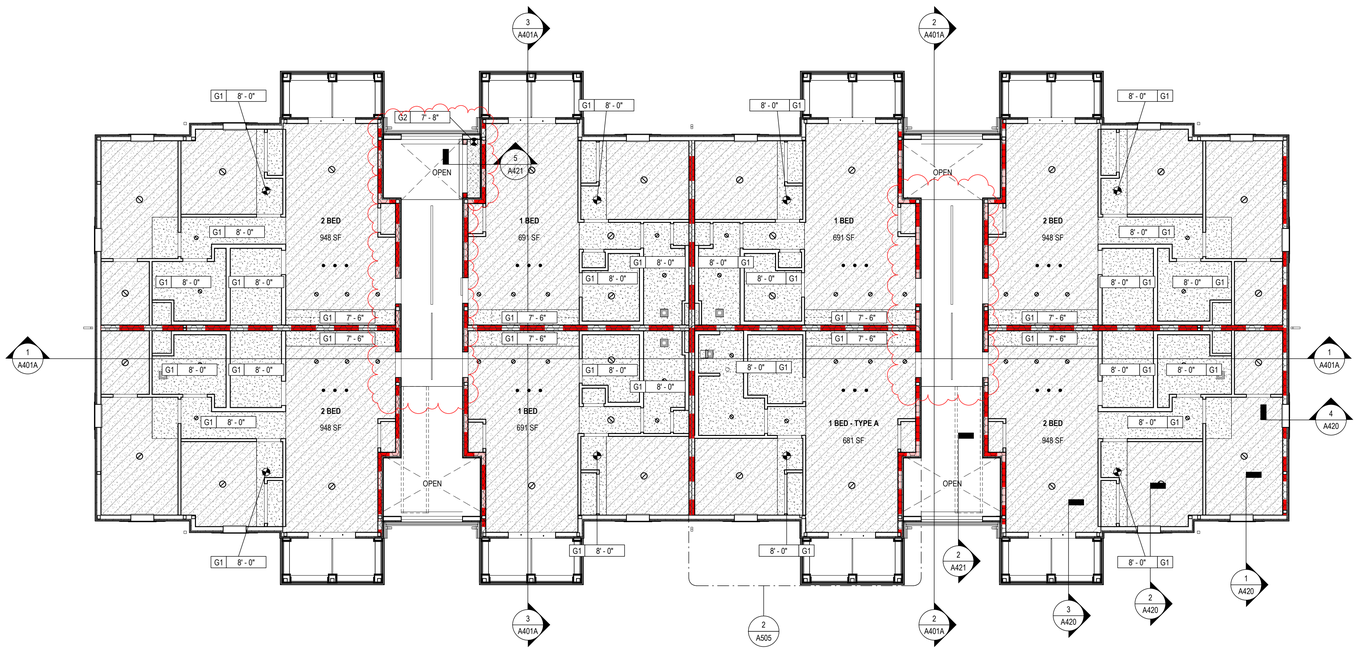


2 **RCP** LEVEL 02 - RCP - BUILDING A
1/8" = 1'-0"



1 **RCP** LEVEL 01 - RCP - BUILDING A
1/8" = 1'-0"

RCP GENERAL NOTES

A. PAINT DESIGNATED FOR EXPOSED OVERHEAD STRUCTURE IS TO INCLUDE ALL EXPOSED COMPONENTS INCLUDING (BUT NOT EXCLUSIVE TO) DECKING, STRUCTURAL MEMBERS, MECHANICAL AND ELECTRICAL DELIVERY SYSTEMS, FIRE PROTECTION SYSTEMS (EXCLUDING SPRINKLER HEADS), AND ALL OTHER MISCELLANEOUS BUILDING SYSTEMS LOCATED OVERHEAD. EACH OF THE AFOREMENTIONED CATEGORIES IS TO INCLUDE ANY AND ALL ASSOCIATED SUPPORTS, FASTENERS, HANGERS, STRUTS, BRACES, BRACKETS, ETC.

B. ALL GYP BOARD CEILINGS / SOFFITS ARE 9' 0" AFF UNO.

C. LIGHT FIXTURES SHOWN TO INDICATE PROPOSED FIXTURES & GENERAL DESIGN INTENT.

D. FINISHED CEILING HEIGHTS ARE MARKED FROM TOP OF FINISH FLOOR (UNLESS NOTED OTHERWISE).

E. COORDINATE LOCATION OF FIXTURES WITH MECHANICAL, ELECTRICAL, PLUMBING, FIRE SUPPRESSION AND TECHNOLOGY DRAWINGS. ANY CONFLICT BETWEEN TRADES, NOTIFY ARCHITECT PRIOR TO INSTALLATION.

F. FACE OF BULKHEADS ARE TO ALIGN WITH FACE OF ADJACENT WALLS TO WHICH BULKHEADS ARE PARALLEL , UNLESS NOTED OTHERWISE OR DIMENSIONED.

G. ALL GYPSUM BOARD SOFFITS & CEILINGS TO BE PAINTED FLAT CEILING WHITE (UNLESS NOTED OTHERWISE).

H. PAINT DUCTWORK INSIDE AIR GRILLES FLAT BLACK.

J. CEILING GRIDS ARE CENTERED ON ROOM, U.N.O. OR DIMENSIONED.

K. WHERE EXIT SIGNS OCCUR OVER A DOOR OR PAIR OF DOORS, CENTER SIGN ON DOOR OPENING.

L. ALL CEILING DEVICES TO BE CENTERED IN TILE, U.N.O.

(#) CODED NOTE LEGEND

1. ALIGN FEATURES / FINISH SURFACES.
2. OPEN TO ABOVE.
3. ACCESS PANEL
4. TBD
5. TBD

RCP LEGEND

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- G2 GYPSUM BOARD CEILING OR SOFFIT 1 HOUR RATED ASSEMBLY (UL P533)
- FLOOR AND ROOF TRUSS ASSEMBLY SYSTEM
- V1 VINYL SOFFIT CEILING
- WOOD CEILING
- 2x2 LIGHT FIXTURE (SHADING DENOTES EMERGENCY FIXTURE)
- 2x4 LIGHT FIXTURE (SHADING DENOTES EMERGENCY FIXTURE)
- 1x4 LIGHT FIXTURE (SHADING DENOTES EMERGENCY FIXTURE)
- 1x8 LIGHT FIXTURE (SHADING DENOTES EMERGENCY FIXTURE)
- OR RECESSED CAN LIGHT
- SURFACE MOUNTED LIGHT FIXTURE (SHADING DENOTES EMERGENCY FIXTURE)
- SURFACE MOUNTED LIGHT FIXTURE (UNIT)
- PENDANT LIGHT FIXTURE
- LINEAR COVE / SUSPENDED LINEAR LIGHT FIXTURE
- WALL MOUNTED VANITY LIGHT FIXTURE
- CEILING MOUNTED EXIT LIGHT WITH DIRECTIONAL ARROW
- WALL MOUNTED EXIT LIGHT WITH DIRECTIONAL ARROW (PERPENDICULAR / PARALLEL)
- EXIT LIGHT
- SUPPLY DIFFUSER
- LINEAR DIFFUSER
- EXHAUST/RETURN GRILLE
- XX XX'-XX" CEILING TAG WITH HEIGHT

NOTE: COORDINATE ARCHITECTURAL REFLECTED CEILING PLANS WITH THE MECHANICAL AND ELECTRICAL DRAWINGS FOR NUMBER OF, AND LOCATIONS OF, AND TYPES OF FIXTURES AND GRILLES. NOT ALL ITEMS SHOWN ON LEGEND MAY BE PRESENT IN PROJECT.

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1	06/11/25	ADDENDUM# 01
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COLUMBUS METROPOLITAN HOUSING AUTHORITY
COMMUNITY. COMMITMENT. COLLABORATION.

THE FALLS ON REFUGEE ROAD
3355 REFUGEE ROAD. COLUMBUS, OH 43232
FOR
CMHA

Moody Nolan
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: 614-461-4664
CERT. NO: FIRM 00197475

DRAWING TITLE:

BUILDING A - LEVEL 01 & 02 RCP

05/01/2025
23446
PROGRESS DRAWING NOT FOR CONSTRUCTION
A201A
CD PROGRESS SET

REVIT VERSION: 2023
PRINT DATE: 6/26/2025 2:04:14 PM
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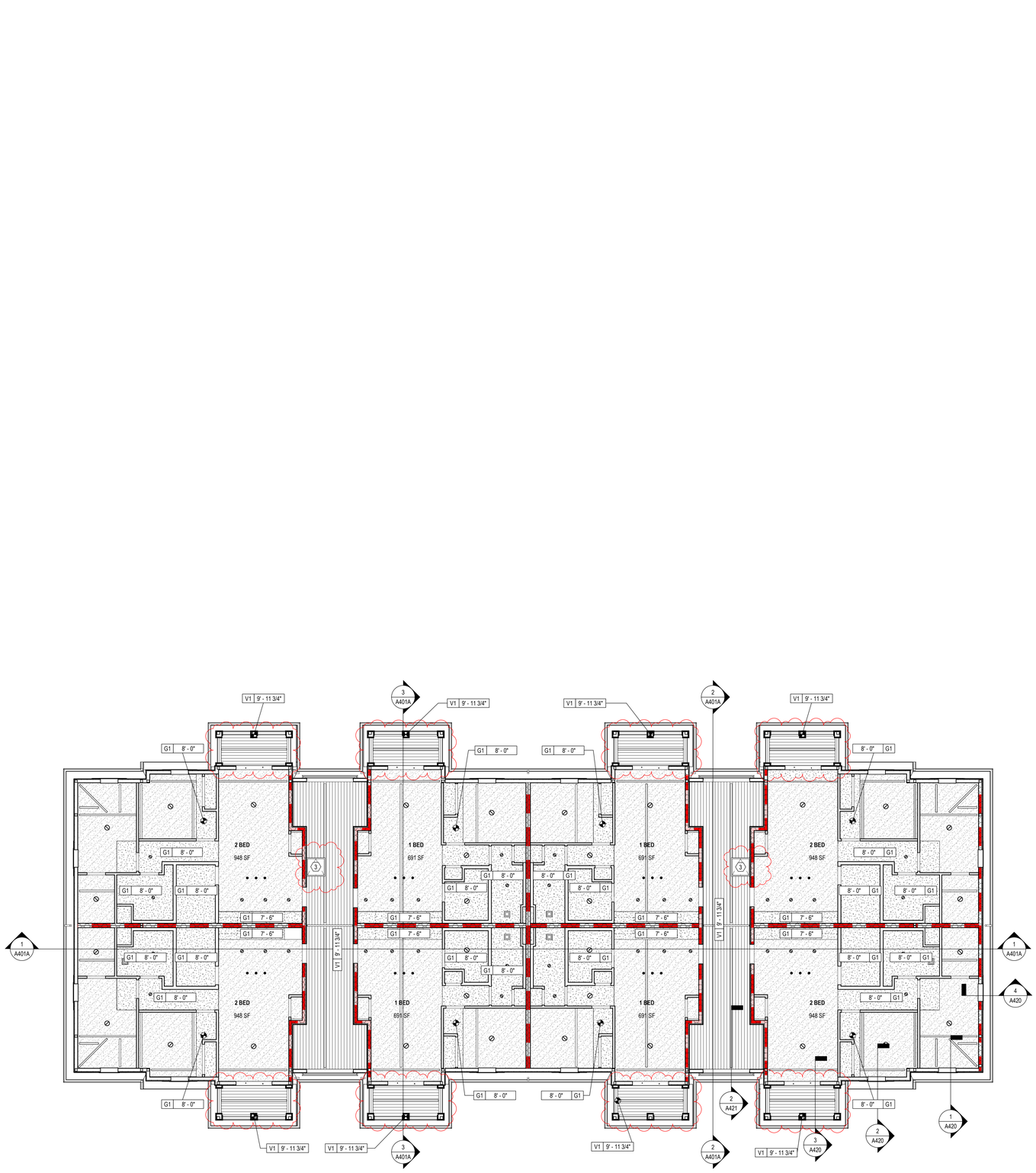

1 **RCP** LEVEL 03 - RCP - BUILDING A
1/8" = 1'-0"

RCP GENERAL NOTES

A. PAINT DESIGNATED FOR EXPOSED OVERHEAD STRUCTURE IS TO INCLUDE ALL EXPOSED COMPONENTS INCLUDING (BUT NOT EXCLUSIVE TO) DECKING, STRUCTURAL MEMBERS, MECHANICAL AND ELECTRICAL DELIVERY SYSTEMS, FIRE PROTECTION SYSTEMS (EXCLUDING SPRINKLER HEADS), AND ALL OTHER MISCELLANEOUS BUILDING SYSTEMS LOCATED OVERHEAD. EACH OF THE AFOREMENTIONED CATEGORIES IS TO INCLUDE ANY AND ALL ASSOCIATED SUPPORTS, FASTENERS, HANGERS, STRUTS, BRACES, BRACKETS, ETC.

B. ALL GYP BOARD CEILINGS / SOFFITS ARE 9' 0" AFF UNO.

C. LIGHT FIXTURES SHOWN TO INDICATE PROPOSED FIXTURES & GENERAL DESIGN INTENT.

D. FINISHED CEILING HEIGHTS ARE MARKED FROM TOP OF FINISH FLOOR (UNLESS NOTED OTHERWISE).

E. COORDINATE LOCATION OF FIXTURES WITH MECHANICAL, ELECTRICAL, PLUMBING, FIRE SUPPRESSION AND TECHNOLOGY DRAWINGS. ANY CONFLICT BETWEEN TRADES, NOTIFY ARCHITECT PRIOR TO INSTALLATION.

F. FACE OF BULKHEADS ARE TO ALIGN WITH FACE OF ADJACENT WALLS TO WHICH BULKHEADS ARE PARALLEL , UNLESS NOTED OTHERWISE OR DIMENSIONED.

G. ALL GYPSUM BOARD SOFFITS & CEILINGS TO BE PAINTED FLAT CEILING WHITE (UNLESS NOTED OTHERWISE).

H. PAINT DUCTWORK INSIDE AIR GRILLES FLAT BLACK.

J. CEILING GRIDS ARE CENTERED ON ROOM, U.N.O. OR DIMENSIONED.

K. WHERE EXIT SIGNS OCCUR OVER A DOOR OR PAIR OF DOORS, CENTER SIGN ON DOOR OPENING.

L. ALL CEILING DEVICES TO BE CENTERED IN TILE, U.N.O.

CODED NOTE LEGEND

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2. OPEN TO ABOVE.
3. ACCESS PANEL
4. TBD
5. TBD

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- V1 VINYL SOFFIT CEILING
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COLUMBUS METROPOLITAN HOUSING AUTHORITY
COMMUNITY. COMMITMENT. COLLABORATION.

THE FALLS ON REFUGEE ROAD
3355 REFUGEE ROAD. COLUMBUS, OH 43232
FOR
CMHA

Moody Nolan
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: 614-461-4664
CERT. NO: FIRM 00197475

DRAWING TITLE:
BUILDING A - LEVEL 03 RCP

05/01/2025
23446
PROGRESS DRAWING NOT FOR CONSTRUCTION
A202A
CD PROGRESS SET

REVIT VERSION: 2023
PRINT DATE: 6/26/2025 2:04:53 PM
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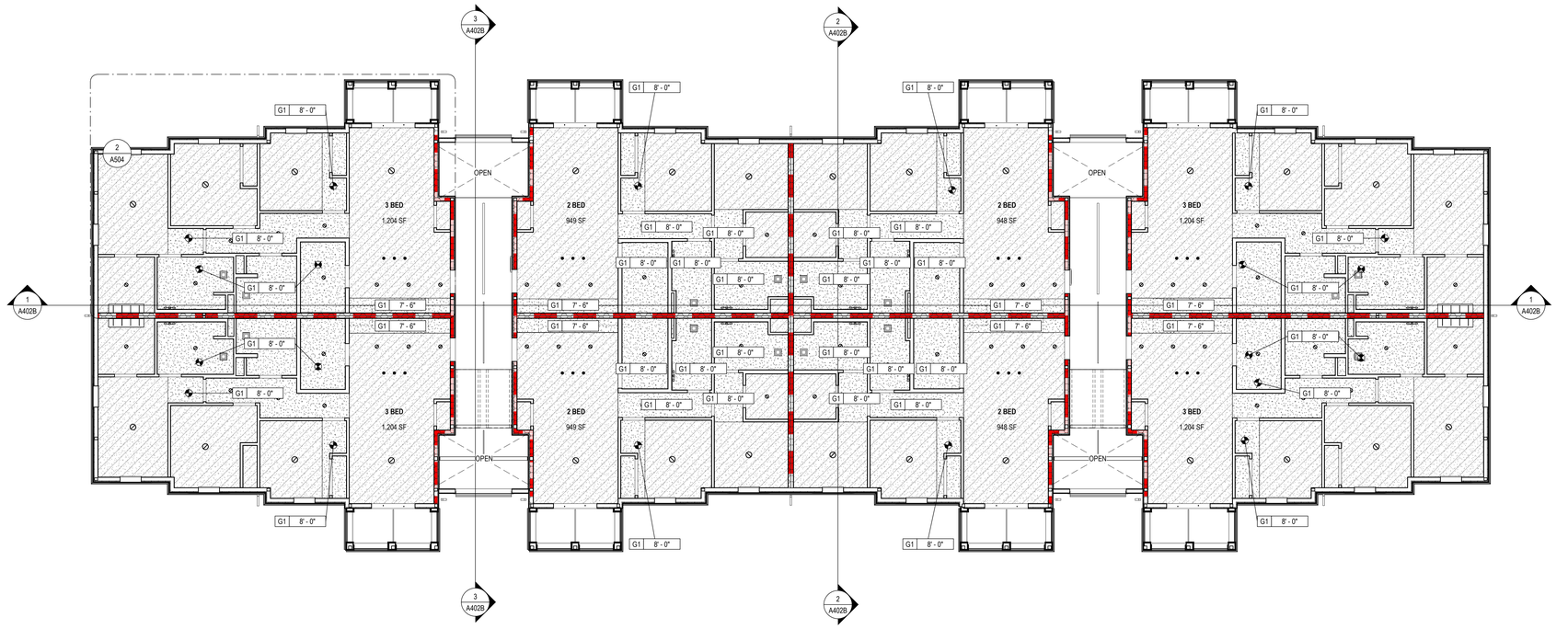
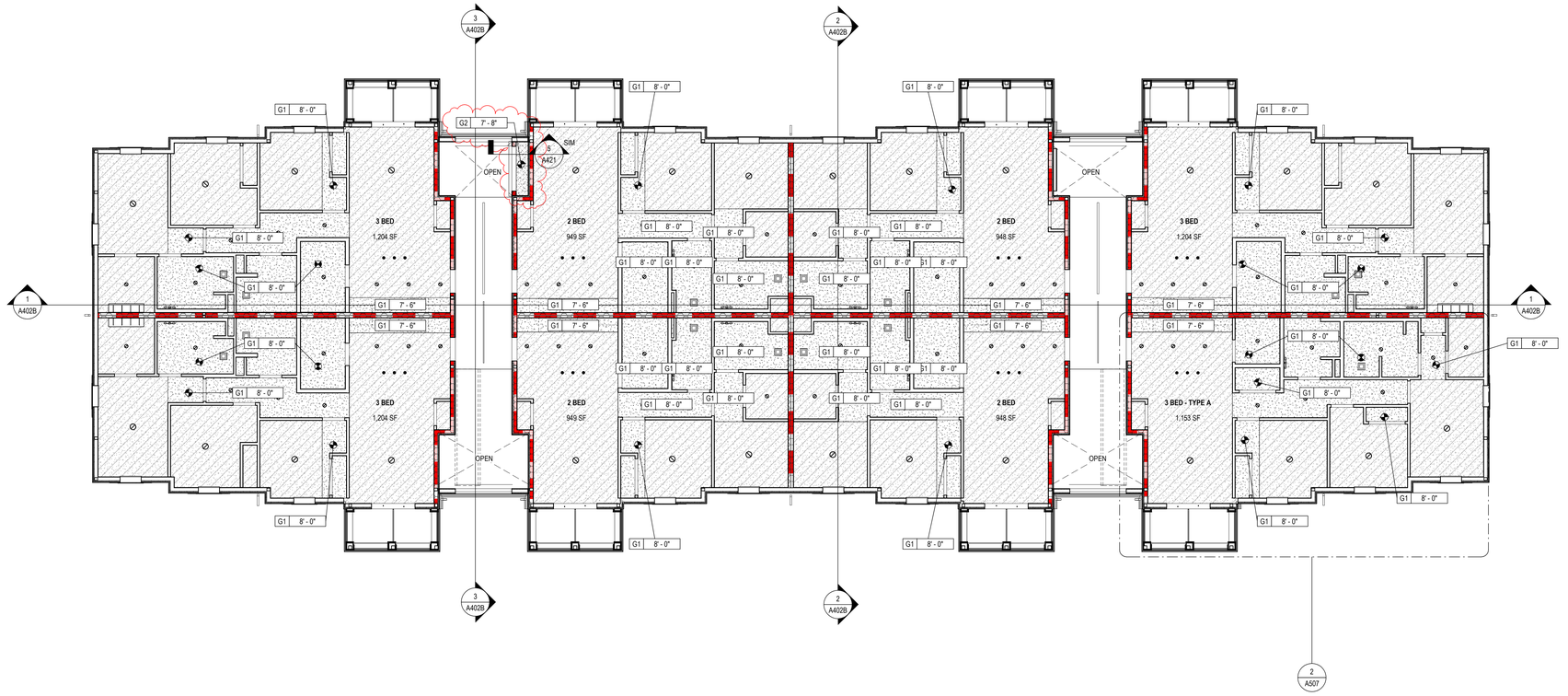


2 RCP LEVEL 02 - RCP - BUILDING B
1/8" = 1'-0"



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E. COORDINATE LOCATION OF FIXTURES WITH MECHANICAL, ELECTRICAL, PLUMBING, FIRE SUPPRESSION AND TECHNOLOGY DRAWINGS. ANY CONFLICT BETWEEN TRADES, NOTIFY ARCHITECT PRIOR TO INSTALLATION.

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CERT. NO: FIRM 00197475

DRAWING TITLE:

BUILDING B - LEVEL 01 & 02 RCP

PROGRESS DRAWING NOT FOR CONSTRUCTION

05/01/2025
23446
A203B
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REVIT VERSION: 2023
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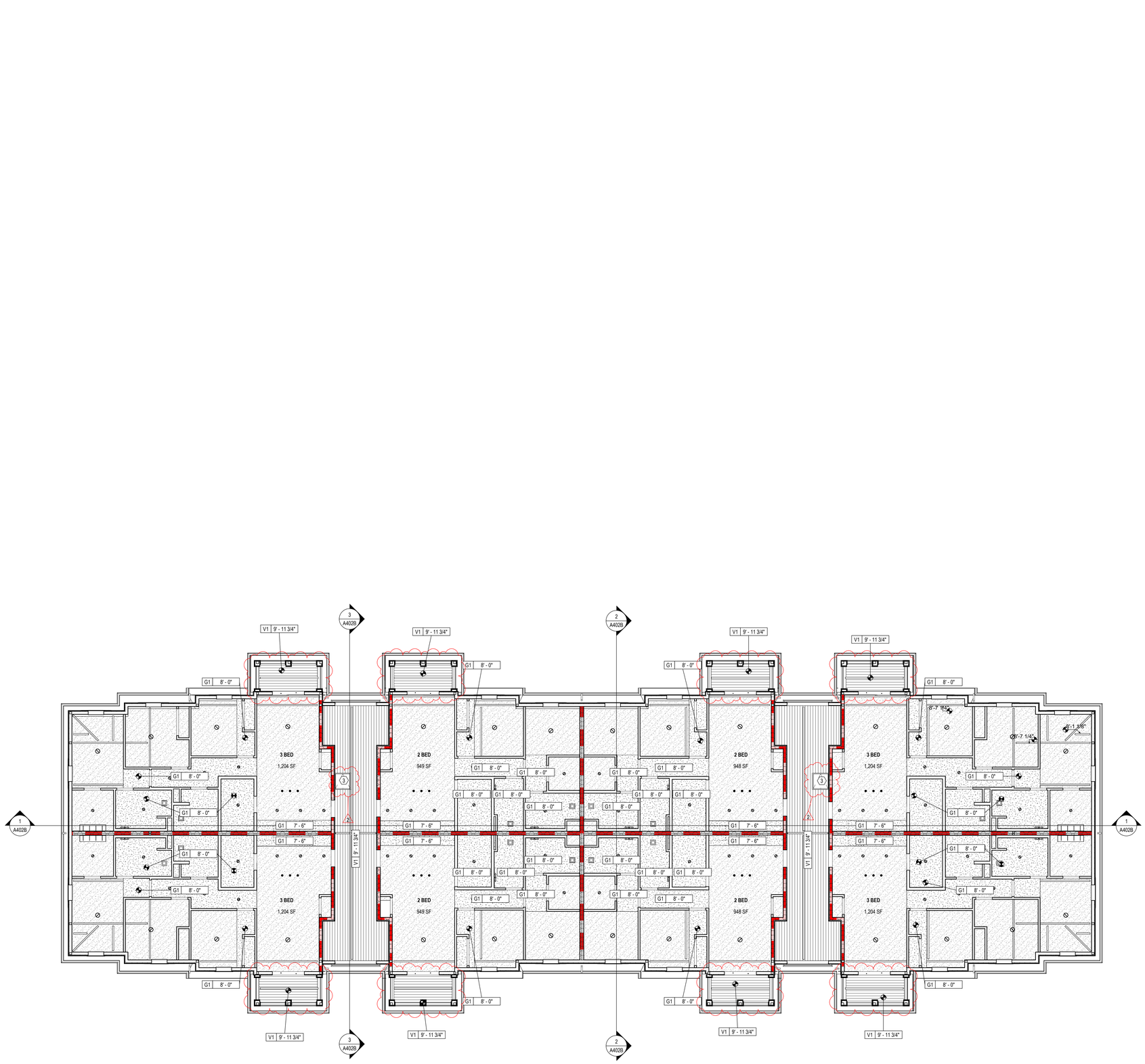

1 RCP LEVEL 03 - RCP - BUILDING B

1/8" = 1'-0"

RCP GENERAL NOTES

A. PAINT DESIGNATED FOR EXPOSED OVERHEAD STRUCTURE IS TO INCLUDE ALL EXPOSED COMPONENTS INCLUDING (BUT NOT EXCLUSIVE TO) DECKING, STRUCTURAL MEMBERS, MECHANICAL AND ELECTRICAL DELIVERY SYSTEMS, FIRE PROTECTION SYSTEMS (EXCLUDING SPRINKLER HEADS), AND ALL OTHER MISCELLANEOUS BUILDING SYSTEMS LOCATED OVERHEAD. EACH OF THE AFOREMENTIONED CATEGORIES IS TO INCLUDE ANY AND ALL ASSOCIATED SUPPORTS, FASTENERS, HANGERS, STRUTS, BRACES, BRACKETS, ETC.

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G. ALL GYPSUM BOARD SOFFITS & CEILINGS TO BE PAINTED FLAT CEILING WHITE (UNLESS NOTED OTHERWISE).

H. PAINT DUCTWORK INSIDE AIR GRILLES FLAT BLACK.

J. CEILING GRIDS ARE CENTERED ON ROOM, U.N.O. OR DIMENSIONED.

K. WHERE EXIT SIGNS OCCUR OVER A DOOR OR PAIR OF DOORS, CENTER SIGN ON DOOR OPENING.

L. ALL CEILING DEVICES TO BE CENTERED IN TILE, U.N.O.

(#) CODED NOTE LEGEND

1. ALIGN FEATURES / FINISH SURFACES.
2. OPEN TO ABOVE.
3. ACCESS PANEL
4. TBD
5. TBD

RCP LEGEND

- G1 GYPSUM BOARD CEILING OR SOFFIT
- G2 GYPSUM BOARD CEILING OR SOFFIT 1 HOUR RATED ASSEMBLY (UL P533)
- FLOOR AND ROOF TRUSS ASSEMBLY SYSTEM
- V1 VINYL SOFFIT CEILING
- WOOD CEILING
- 2x2 LIGHT FIXTURE (SHADING DENOTES EMERGENCY FIXTURE)
- 2x4 LIGHT FIXTURE (SHADING DENOTES EMERGENCY FIXTURE)
- 1x4 LIGHT FIXTURE (SHADING DENOTES EMERGENCY FIXTURE)
- 1x8 LIGHT FIXTURE (SHADING DENOTES EMERGENCY FIXTURE)
- OR OR RECESSED CAN LIGHT
- SURFACE MOUNTED LIGHT FIXTURE (SHADING DENOTES EMERGENCY FIXTURE)
- SURFACE MOUNTED LIGHT FIXTURE (UNIT)
- PENDANT LIGHT FIXTURE
- LINEAR COVE / SUSPENDED LINEAR LIGHT FIXTURE
- WALL MOUNTED VANITY LIGHT FIXTURE
- CEILING MOUNTED EXIT LIGHT WITH DIRECTIONAL ARROW
- WALL MOUNTED EXIT LIGHT WITH DIRECTIONAL ARROW (PERPENDICULAR / PARALLEL)
- EXIT LIGHT
- SUPPLY DIFFUSER
- LINEAR DIFFUSER
- EXHAUST/RETURN GRILLE
- XX XX'-XX" CEILING TAG WITH HEIGHT

NOTE: COORDINATE ARCHITECTURAL REFLECTED CEILING PLANS WITH THE MECHANICAL AND ELECTRICAL DRAWINGS FOR NUMBER OF, AND LOCATIONS OF, AND TYPES OF FIXTURES AND GRILLES. NOT ALL ITEMS SHOWN ON LEGEND MAY BE PRESENT IN PROJECT.

#	DATE	CHANGE DESCRIPTION
1	06/11/25	ADDENDUM# 01
2	06/25/25	ADDENDUM# 02

COLUMBUS METROPOLITAN HOUSING AUTHORITY
COMMUNITY. COMMITMENT. COLUMBUSMHA.

THE FALLS ON REFUGEE ROAD
3355 REFUGEE ROAD. COLUMBUS, OH 43232
FOR
CMHA

Moody Nolan
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: 614-461-4664
CERT. NO: FIRM 00197475

DRAWING TITLE:

BUILDING B - LEVEL 03 RCP

05/01/2025

23446

PROGRESS DRAWING NOT FOR CONSTRUCTION

A204B

CD PROGRESS SET

REVIT VERSION: 2023
PRINT DATE: 6/26/2025 2:06:17 PM
FILE INFO: Autodesk Docs://23446_CMHA Refugee Rd Housing Dvpmt - R23/23446_CMHA Refugee Rd Housing_ARCH_R23.rvt

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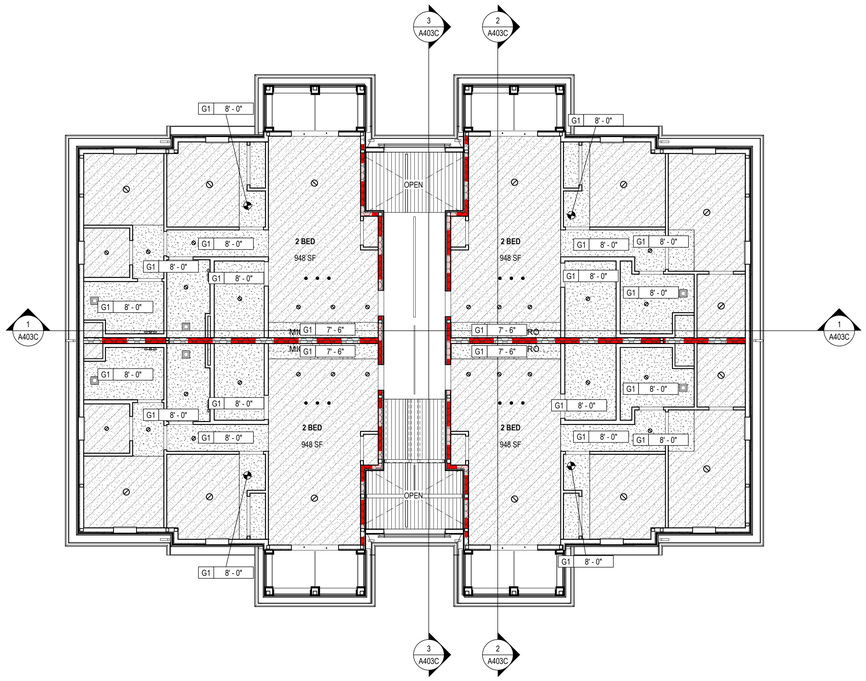
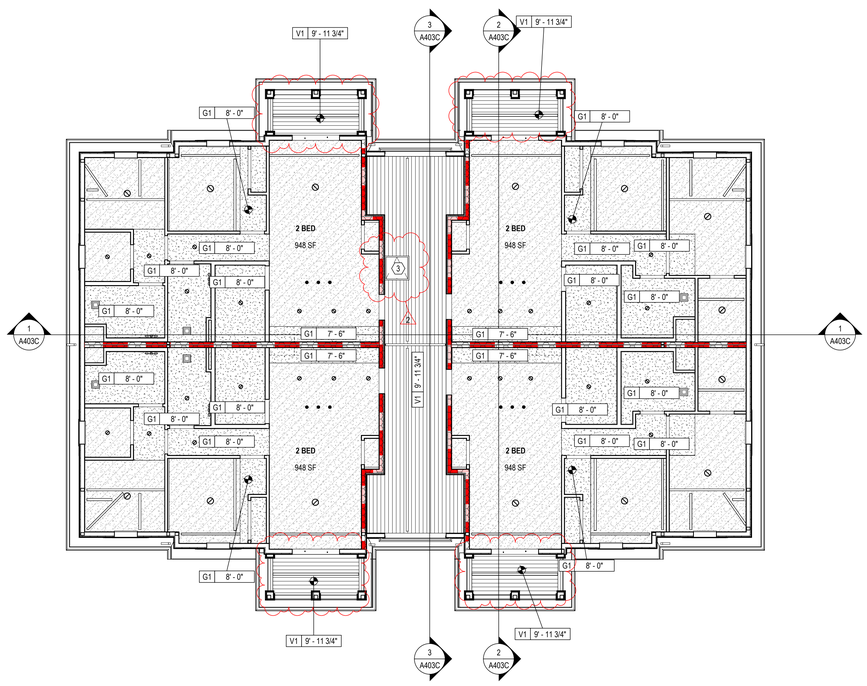
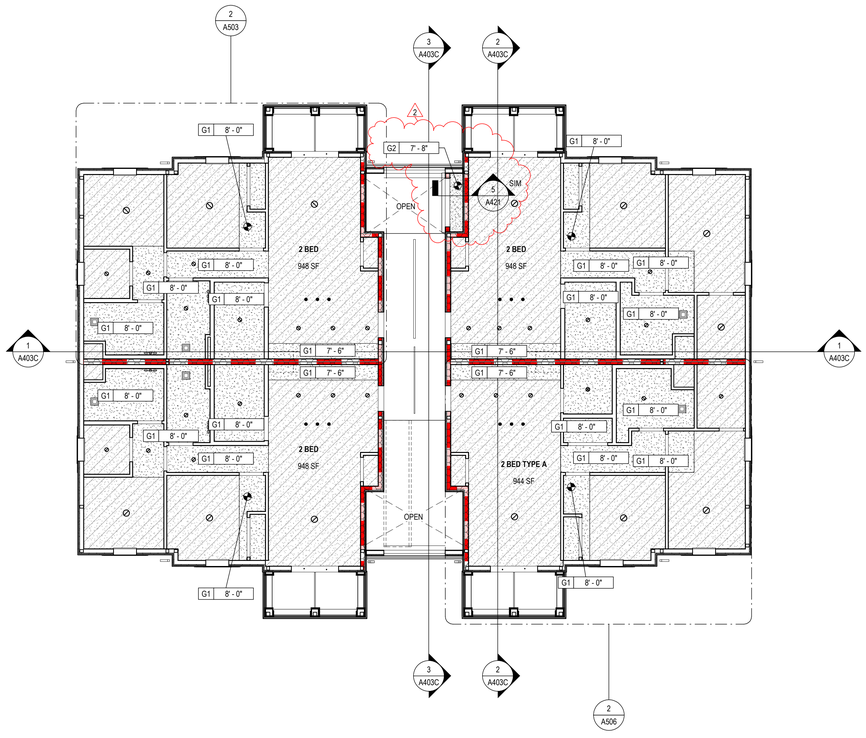


2 RCP LEVEL 02 - RCP - BUILDING C
1/8" = 1'-0"



3 RCP LEVEL 03 - RCP - BUILDING C
1/8" = 1'-0"



1 RCP LEVEL 01 - RCP - BUILDING C
1/8" = 1'-0"

RCP GENERAL NOTES

A. PAINT DESIGNATED FOR EXPOSED OVERHEAD STRUCTURE IS TO INCLUDE ALL EXPOSED COMPONENTS INCLUDING (BUT NOT EXCLUSIVE TO) DECKING, STRUCTURAL MEMBERS, MECHANICAL AND ELECTRICAL DELIVERY SYSTEMS, FIRE PROTECTION SYSTEMS (EXCLUDING SPRINKLER HEADS), AND ALL OTHER MISCELLANEOUS BUILDING SYSTEMS LOCATED OVERHEAD. EACH OF THE AFOREMENTIONED CATEGORIES IS TO INCLUDE ANY AND ALL ASSOCIATED SUPPORTS, FASTENERS, HANGERS, STRUTS, BRACES, BRACKETS, ETC.

B. ALL GYP BOARD CEILINGS / SOFFITS ARE 9' 0" AFF UNO.

C. LIGHT FIXTURES SHOWN TO INDICATE PROPOSED FIXTURES & GENERAL DESIGN INTENT.

D. FINISHED CEILING HEIGHTS ARE MARKED FROM TOP OF FINISH FLOOR (UNLESS NOTED OTHERWISE).

E. COORDINATE LOCATION OF FIXTURES WITH MECHANICAL, ELECTRICAL, PLUMBING, FIRE SUPPRESSION AND TECHNOLOGY DRAWINGS. ANY CONFLICT BETWEEN TRADES, NOTIFY ARCHITECT PRIOR TO INSTALLATION.

F. FACE OF BULKHEADS ARE TO ALIGN WITH FACE OF ADJACENT WALLS TO WHICH BULKHEADS ARE PARALLEL , UNLESS NOTED OTHERWISE OR DIMENSIONED.

G. ALL GYPSUM BOARD SOFFITS & CEILINGS TO BE PAINTED FLAT CEILING WHITE (UNLESS NOTED OTHERWISE).

H. PAINT DUCTWORK INSIDE AIR GRILLES FLAT BLACK.

J. CEILING GRIDS ARE CENTERED ON ROOM, U.N.O. OR DIMENSIONED.

K. WHERE EXIT SIGNS OCCUR OVER A DOOR OR PAIR OF DOORS, CENTER SIGN ON DOOR OPENING.

L. ALL CEILING DEVICES TO BE CENTERED IN TILE, U.N.O.

(#) CODED NOTE LEGEND

1. ALIGN FEATURES / FINISH SURFACES.
2. OPEN TO ABOVE.
3. ACCESS PANEL
4. TBD
5. TBD

RCP LEGEND

- G1 GYPSUM BOARD CEILING OR SOFFIT
- G2 GYPSUM BOARD CEILING OR SOFFIT 1 HOUR RATED ASSEMBLY (UL P533)
- FLOOR AND ROOF TRUSS ASSEMBLY SYSTEM
- V1 VINYL SOFFIT CEILING
- WOOD CEILING
- 2x2 LIGHT FIXTURE (SHADING DENOTES EMERGENCY FIXTURE)
- 2x4 LIGHT FIXTURE (SHADING DENOTES EMERGENCY FIXTURE)
- 1x4 LIGHT FIXTURE (SHADING DENOTES EMERGENCY FIXTURE)
- 1x8 LIGHT FIXTURE (SHADING DENOTES EMERGENCY FIXTURE)
- OR OR RECESSED CAN LIGHT
- SURFACE MOUNTED LIGHT FIXTURE (SHADING DENOTES EMERGENCY FIXTURE)
- SURFACE MOUNTED LIGHT FIXTURE (UNIT)
- PENDANT LIGHT FIXTURE
- LINEAR COVE / SUSPENDED LINEAR LIGHT FIXTURE
- WALL MOUNTED VANITY LIGHT FIXTURE
- CEILING MOUNTED EXIT LIGHT WITH DIRECTIONAL ARROW
- WALL MOUNTED EXIT LIGHT WITH DIRECTIONAL ARROW (PERPENDICULAR / PARALLEL)
- EXIT LIGHT
- SUPPLY DIFFUSER
- LINEAR DIFFUSER
- EXHAUST/RETURN GRILLE
- XX XX'-XX" CEILING TAG WITH HEIGHT

NOTE: COORDINATE ARCHITECTURAL REFLECTED CEILING PLANS WITH THE MECHANICAL AND ELECTRICAL DRAWINGS FOR NUMBER OF, AND LOCATIONS OF, AND TYPES OF FIXTURES AND GRILLES. NOT ALL ITEMS SHOWN ON LEGEND MAY BE PRESENT IN PROJECT.

#	DATE	CHANGE DESCRIPTION
1	06/11/25	ADDENDUM# 01
2	06/25/25	ADDENDUM# 02

COLUMBUS METROPOLITAN HOUSING AUTHORITY
COMMUNITY. COMMITMENT. COLLABORATION.

THE FALLS ON REFUGEE ROAD
3355 REFUGEE ROAD. COLUMBUS, OH 43232
FOR
CMHA

Moody Nolan
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: 614-461-4664
CERT. NO: FIRM 00197475

DRAWING TITLE:

BUILDING C - LEVEL 01, 02 & 03 RCP

05/01/2025
23446
PROGRESS DRAWING NOT FOR CONSTRUCTION
A205C
CD PROGRESS SET

REVIT VERSION: 2023
PRINT DATE: 6/26/2025 2:06:21 PM
FILE INFO: ...\Autodesk Docs\23446_CMHA Refugee Rd Housing Dvlpmt_R23\23446_CMHA Refugee Rd Housing_ARCH_R23.rvt

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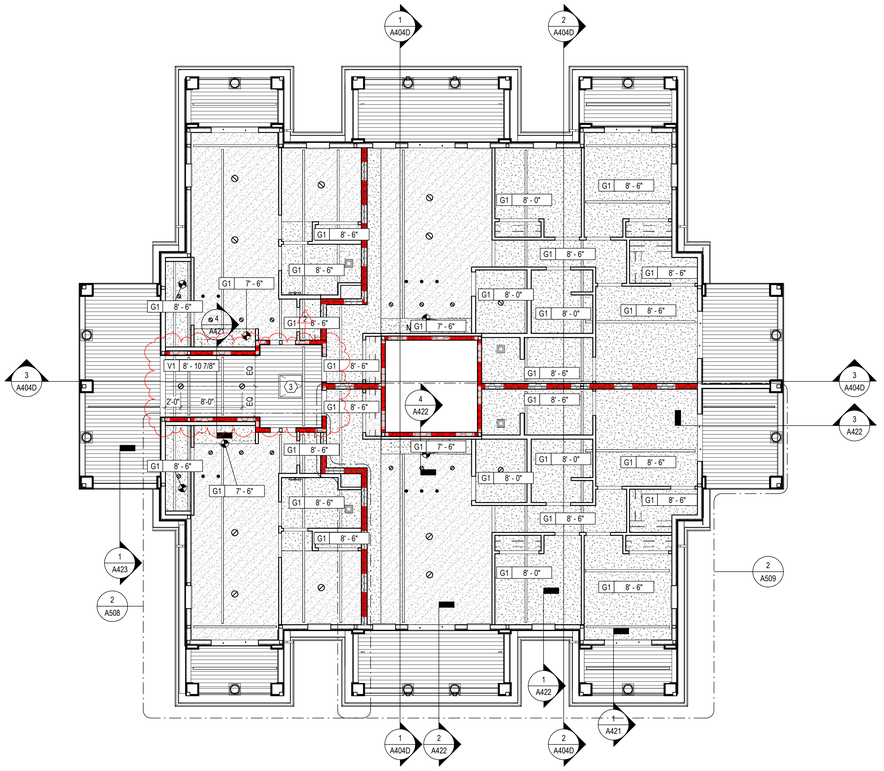
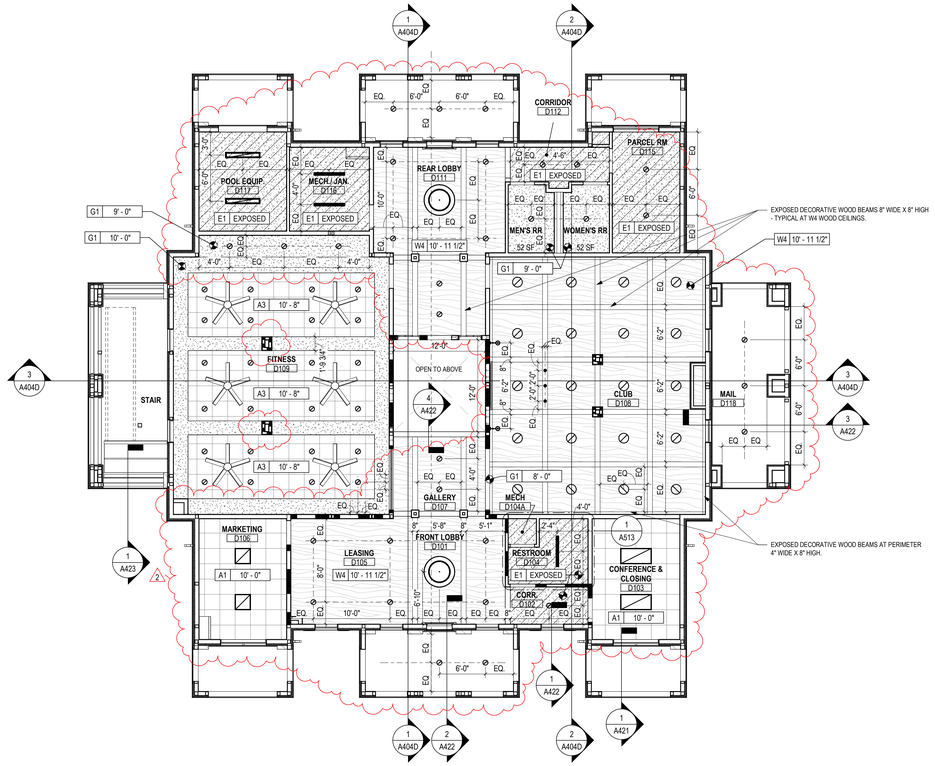


2 RCP LEVEL 02 - RCP - BUILDING D
1/8" = 1'-0"



1 RCP LEVEL 01 - RCP - BUILDING D
1/8" = 1'-0"

GENERAL NOTES - RCP

A. PAINT DESIGNATED FOR EXPOSED OVERHEAD STRUCTURE IS TO INCLUDE ALL EXPOSED COMPONENTS INCLUDING (BUT NOT EXCLUSIVE TO) DECKING, STRUCTURAL MEMBERS, MECHANICAL AND ELECTRICAL DELIVERY SYSTEMS, FIRE PROTECTION SYSTEMS (EXCLUDING SPRINKLER HEADS), AND ALL OTHER MISCELLANEOUS BUILDING SYSTEMS LOCATED OVERHEAD. EACH OF THE AFOREMENTIONED CATEGORIES IS TO INCLUDE ANY AND ALL ASSOCIATED SUPPORTS, FASTENERS, HANGERS, STRUTS, BRACES, BRACKETS, ETC.

B. ALL GYP BOARD CEILINGS / SOFFITS ARE 9' 0" AFF UNO.

C. LIGHT FIXTURES SHOWN TO INDICATE PROPOSED FIXTURES & GENERAL DESIGN INTENT.

D. FINISHED CEILING HEIGHTS ARE MARKED FROM TOP OF FINISH FLOOR (UNLESS NOTED OTHERWISE).

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G. ALL GYPSUM BOARD SOFFITS & CEILINGS TO BE PAINTED FLAT CEILING WHITE (UNLESS NOTED OTHERWISE).

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J. CEILING GRIDS ARE CENTERED ON ROOM, U.N.O. OR DIMENSIONED.

K. WHERE EXIT SIGNS OCCUR OVER A DOOR OR PAIR OF DOORS, CENTER SIGN ON DOOR OPENING.

L. ALL CEILING DEVICES TO BE CENTERED IN TILE, U.N.O.

(#) CODED NOTE LEGEND - RCP

1. ALIGN FEATURES / FINISH SURFACES.
2. OPEN TO ABOVE.
3. ACCESS PANEL
4. TBD
5. TBD

RCP LEGEND

- G1 GYPSUM BOARD CEILING OR SOFFIT
- A1 ACOUSTICAL CEILING TILE - 2x2, WHITE
  A3 ACOUSTICAL CEILING TILE - 2x2, BLACK
- E1 EXPOSED TO FLOOR AND ROOF TRUSS ASSEMBLY SYSTEM
- VINYL SOFFIT
- 2x2 LIGHT FIXTURE (SHADING DENOTES EMERGENCY FIXTURE)
- 2x4 LIGHT FIXTURE (SHADING DENOTES EMERGENCY FIXTURE)
- 1x4 LIGHT FIXTURE (SHADING DENOTES EMERGENCY FIXTURE)
- 1x8 LIGHT FIXTURE (SHADING DENOTES EMERGENCY FIXTURE)
- OR RECESSED CAN LIGHT
- SURFACE MOUNTED LIGHT FIXTURE (SHADING DENOTES EMERGENCY FIXTURE)
- SURFACE MOUNTED LIGHT FIXTURE (UNIT)
- PENDANT LIGHT FIXTURE
- LINEAR COVE / SUSPENDED LINEAR LIGHT FIXTURE
- WALL MOUNTED VANITY LIGHT FIXTURE
- CEILING FAN
- CEILING MOUNTED EXIT LIGHT WITH DIRECTIONAL ARROW
- WALL MOUNTED EXIT LIGHT WITH DIRECTIONAL ARROW (PERPENDICULAR / PARALLEL)
- EXIT LIGHT
- SUPPLY DIFFUSER
- LINEAR DIFFUSER
- EXHAUST/RETURN GRILLE
- XX XX'-XX" CEILING TAG WITH HEIGHT

NOTE: COORDINATE ARCHITECTURAL REFLECTED CEILING PLANS WITH THE MECHANICAL AND ELECTRICAL DRAWINGS FOR NUMBER OF, AND LOCATIONS OF, AND TYPES OF FIXTURES AND GRILLES. NOT ALL ITEMS SHOWN ON LEGEND MAY BE PRESENT IN PROJECT.

#	DATE	CHANGE DESCRIPTION
1	06/11/25	ADDENDUM# 01
2	06/25/25	ADDENDUM# 02

COLUMBUS METROPOLITAN HOUSING AUTHORITY
COMMUNITY. COMMITMENT. COLLABORATION.

THE FALLS ON REFUGEE ROAD
3355 REFUGEE ROAD, COLUMBUS, OH 43232
FOR
CMHA

Moody Nolan
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: 614-461-4664
CERT. NO: FIRM 00197475

DRAWING TITLE:

CLUBHOUSE - LEVEL 01 & 02 RCP

05/01/2025
23446
PROGRESS DRAWING NOT FOR CONSTRUCTION
A206D
CD PROGRESS SET

REVIT VERSION: 2023
PRINT DATE: 6/26/2025 2:05:53 PM
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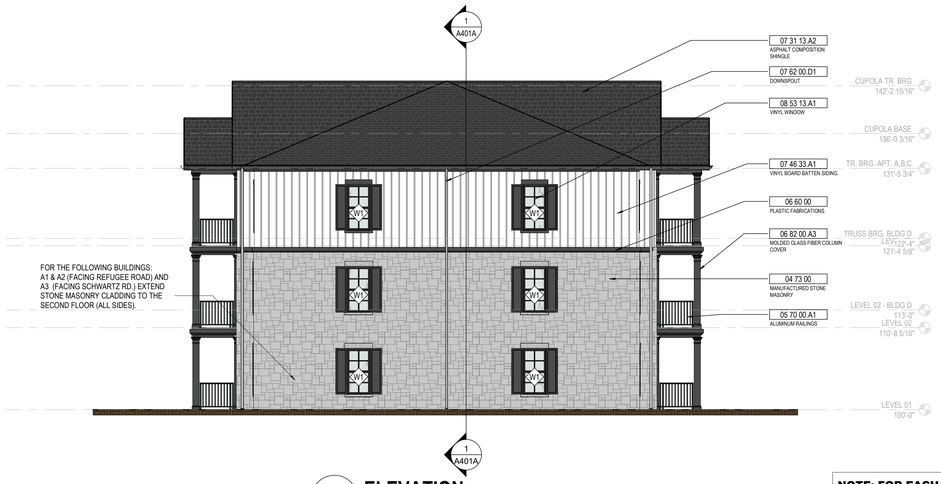
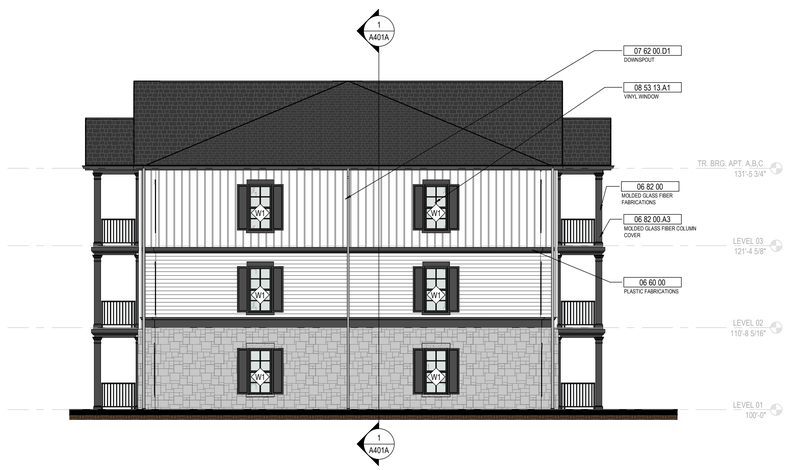


4 ELEVATION BUILDING A - SIDE (STREET FACING)
1/8" = 1'-0" REF: 1 / AD100

NOTE: FOR EACH BLDG THE MASONRY HEIGHT IS TO BE CONSISTENT AROUND THE ENTIRE BLDG AND IS DETERMINED BY IF THE BLDG. IS PUBLIC STREET FACING AS INDICATED ON THE SITE KEY PLAN



3 ELEVATION BUILDING A - SIDE (NON STREET FACING)
1/8" = 1'-0" REF: 1 / A101A

2 ELEVATION BUILDING A FRONT/BACK (STREET FACING)
1/8" = 1'-0" REF: 1 / AD100

1 ELEVATION BUILDING A - FRONT/BACK (NON STREET FACING)
1/8" = 1'-0" REF: 1 / 100-A

GENERAL NOTES - EXTERIOR ELEVATIONS

1. SEE MEP DRAWINGS FOR LOCATIONS OF BLDG VENTS AND WALL HYDRANTS ON THE ELEVATIONS. COORDINATE FINAL PLACEMENT WITH ARCHITECT..

EXTERIOR CODED NOTES

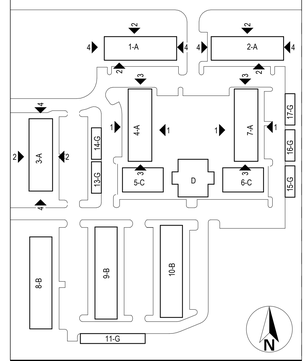
EXTERIOR LEGEND

- IG-1 EXTERIOR GLAZING (CLEAR)
- IG-1A EXTERIOR GLAZING (CLEAR TEMPERED)
- VINYL BOARD AND BATTEN SIDING
- VINYL BOARD AND BATTEN SIDING
- VINYL SIDING

KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT
04 73 00	MANUFACTURED STONE MASONRY
05 70 00.A1	ALUMINUM RAILINGS
06 60 00	PLASTIC FABRICATIONS
06 82 00	MOLDED GLASS FIBER FABRICATIONS
06 82 00.A3	MOLDED GLASS FIBER COLUMN COVER
07 31 13.A2	ASPHALT COMPOSITION SHINGLE
07 46 33.A1	VINYL BOARD BATTEN SIDING
07 46 33.B1	VINYL SIDING
07 62 00.D1	DOWNSPOUT
08 16 13	FIBERGLASS DOORS
08 53 13.A1	VINYL WINDOW
08 91 20	ROOF GABLE LOUVERS

KEYPLAN



#	DATE	CHANGE DESCRIPTION
1	06/11/25	ADDENDUM# 01
2	06/25/25	ADDENDUM# 02

COLUMBUS METROPOLITAN HOUSING AUTHORITY
COMMUNITY. COMMITMENT. COLLABORATION.

THE FALLS ON REFUGEE ROAD
3355 REFUGEE ROAD. COLUMBUS, OH 43232
FOR
CMHA

Moody Nolan
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: 614-461-4664
CERT. NO: FIRM 00197475

DRAWING TITLE:

BUILDING A - EXTERIOR ELEVATIONS

05/01/2025
23446
PROGRESS DRAWING NOT FOR CONSTRUCTION
A310A
CD PROGRESS SET

REVIT VERSION: 2023
PRINT DATE: 6/26/2025 2:04:21 PM
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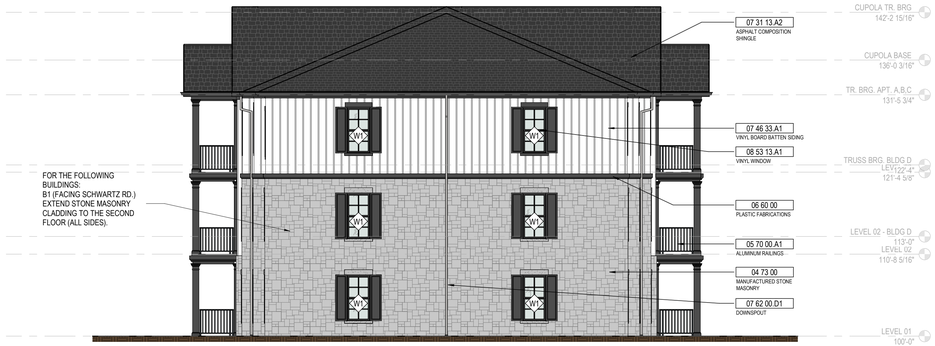
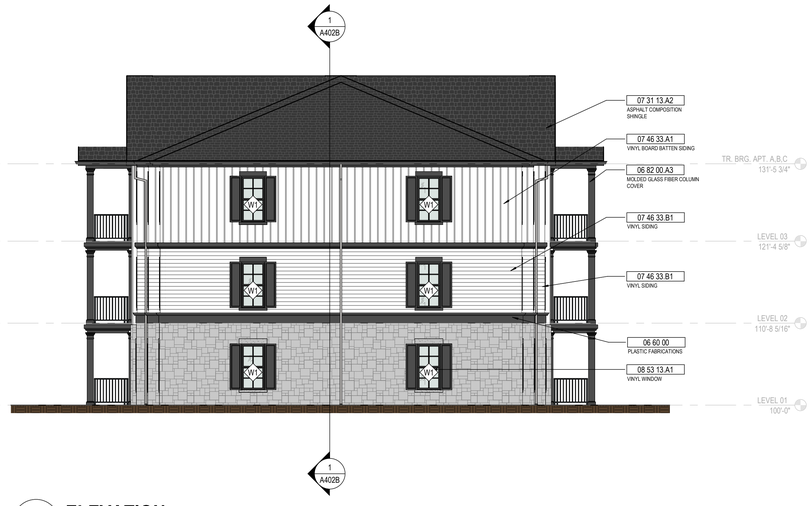


4 ELEVATION BUILDING B - SIDE (STREET FACING)
1/8" = 1'-0" REF: 1 / AD100

NOTE: FOR EACH BLDG THE MASONRY HEIGHT IS TO BE CONSISTENT AROUND THE ENTIRE BLDG AND IS DETERMINED BY WHETHER THE BLDG. IS PUBLIC STREET FACING AS INDICATED ON THE SITE KEY PLAN



2 ELEVATION BUILDING B - SIDE (NON STREET FACING)
1/8" = 1'-0" REF: 1 / A103B

3 ELEVATION BUILDING B FRONT/BACK (STREET FACING)
1/8" = 1'-0" REF: 1 / AD100

1 ELEVATION BUILDING B - FRONT/REAR (NON SRTEET FACING)
1/8" = 1'-0" REF: 1 / A103B

GENERAL NOTES - EXTERIOR ELEVATIONS

1. SEE MEP DRAWINGS FOR LOCATIONS OF BLDG VENTS AND WALL HYDRANTS ON THE ELEVATIONS. COORDINATE FINAL PLACEMENT WITH ARCHITECT..

EXTERIOR CODED NOTES

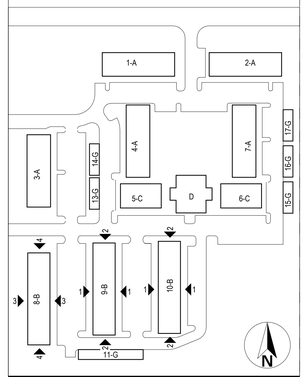
EXTERIOR LEGEND

IG-1	EXTERIOR GLAZING (CLEAR)
IG-1A	EXTERIOR GLAZING (CLEAR TEMPERED)
	VINYL BOARD AND BATTEN SIDING
	VINYL BOARD AND BATTEN SIDING
	VINYL SIDING

KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT
04 73 00	MANUFACTURED STONE MASONRY
05 70 00.A1	ALUMINUM RAILINGS
06 60 00	PLASTIC FABRICATIONS
06 82 00.A3	MOLDED GLASS FIBER COLUMN COVER
07 31 13.A2	ASPHALT COMPOSITION SHINGLE
07 46 33.A1	VINYL BOARD BATTEN SIDING
07 46 33.B1	VINYL SIDING
07 62 00.D1	DOWNSPOUT
08 53 13.A1	VINYL WINDOW

KEYPLAN



#	DATE	CHANGE DESCRIPTION
1	06/11/25	ADDENDUM# 01
2	06/25/25	ADDENDUM# 02

COLUMBUS METROPOLITAN HOUSING AUTHORITY
COMMUNITY. COMPARTMENT. COLLABORATION.

THE FALLS ON REFUGEE ROAD
3355 REFUGEE ROAD, COLUMBUS, OH 43232
FOR
CMHA

Moody Nolan
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: 614-461-4664
CERT. NO: FIRM 00197475

DRAWING TITLE:

BUILDING B - EXTERIOR ELEVATIONS

PROGRESS DRAWING NOT FOR CONSTRUCTION

05/01/2025

23446

A310B

CD PROGRESS SET

REVIT VERSION: 2023
PRINT DATE: 6/26/2025 2:05:02 PM
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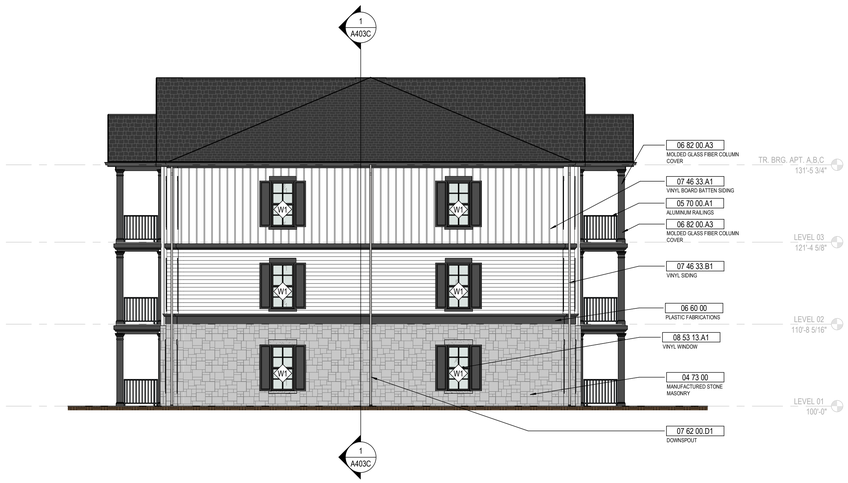


2 ELEVATION BUILDING C - SIDE ELEVATION
1/8" = 1'-0" REF: 1 / A105C

1 ELEVATION BUILDING C - FRONT/REAR ELEVATION
1/8" = 1'-0" REF: 1 / AD100

GENERAL NOTES - EXTERIOR ELEVATIONS

1. SEE MEP DRAWINGS FOR LOCATIONS OF BLDG VENTS AND WALL HYDRANTS ON THE ELEVATIONS. COORDINATE FINAL PLACEMENT WITH ARCHITECT..

EXTERIOR CODED NOTES

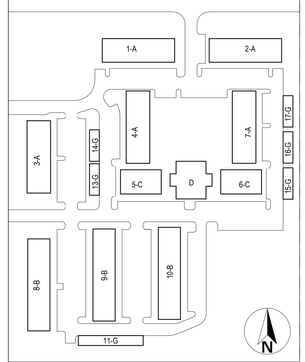
EXTERIOR LEGEND

- IG-1 EXTERIOR GLAZING (CLEAR)
- IG-1A EXTERIOR GLAZING (CLEAR TEMPERED)
- VINYL BOARD AND BATTEN SIDING
- VINYL BOARD AND BATTEN SIDING
- VINYL SIDING

KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT
04 73 00	MANUFACTURED STONE MASONRY
05 70 00.A1	ALUMINUM RAILINGS
06 60 00	PLASTIC FABRICATIONS
06 82 00.A3	MOLDED GLASS FIBER COLUMN COVER
07 31 13.A2	ASPHALT COMPOSITION SHINGLE
07 46 33.A1	VINYL BOARD BATTEN SIDING
07 46 33.B1	VINYL SIDING
07 62 00.D1	DOWNSPOUT
08 53 13.A1	VINYL WINDOW

KEYPLAN



#	DATE	CHANGE DESCRIPTION
1	06/11/25	ADDENDUM# 01
2	06/25/25	ADDENDUM# 02

COLUMBUS METROPOLITAN HOUSING AUTHORITY
COMMUNITY. COMMITMENT. COLLABORATION.

THE FALLS ON REFUGEE ROAD
3355 REFUGEE ROAD. COLUMBUS, OH 43232
FOR
CMHA

Moody Nolan
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: 614-461-4664
CERT. NO: FIRM 00197475

DRAWING TITLE:

BUILDING C - EXTERIOR ELEVATIONS

05/01/2025
23446
PROGRESS DRAWING NOT FOR CONSTRUCTION
A310C
CD PROGRESS SET

REVIT VERSION: 2023
PRINT DATE: 6/26/2025 2:05:07 PM
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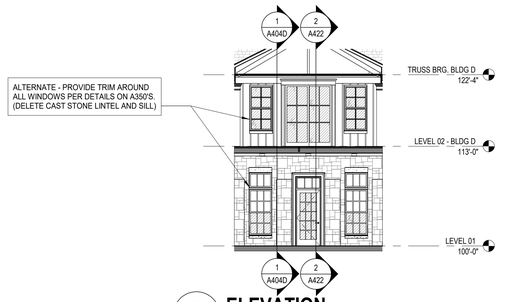
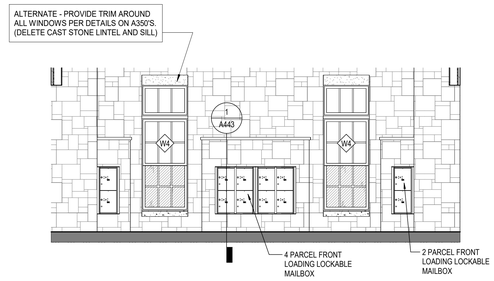
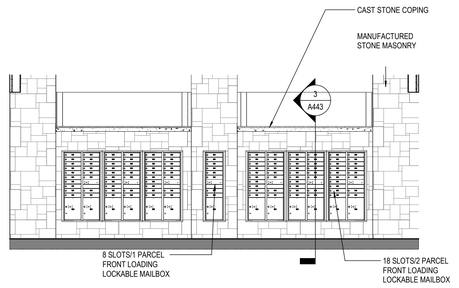


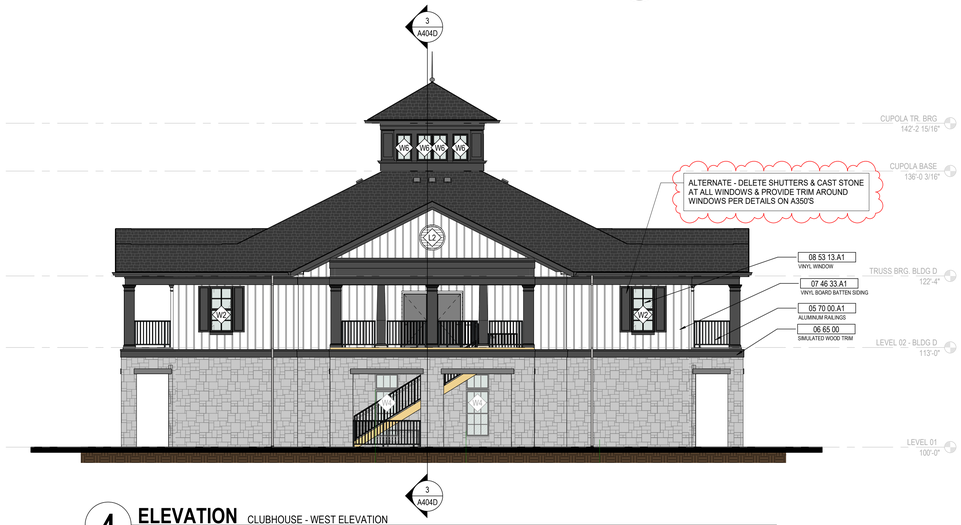
7 ELEVATION CLUBHOUSE ENTRY
1/8" = 1'-0" REF: 1 / 102-D



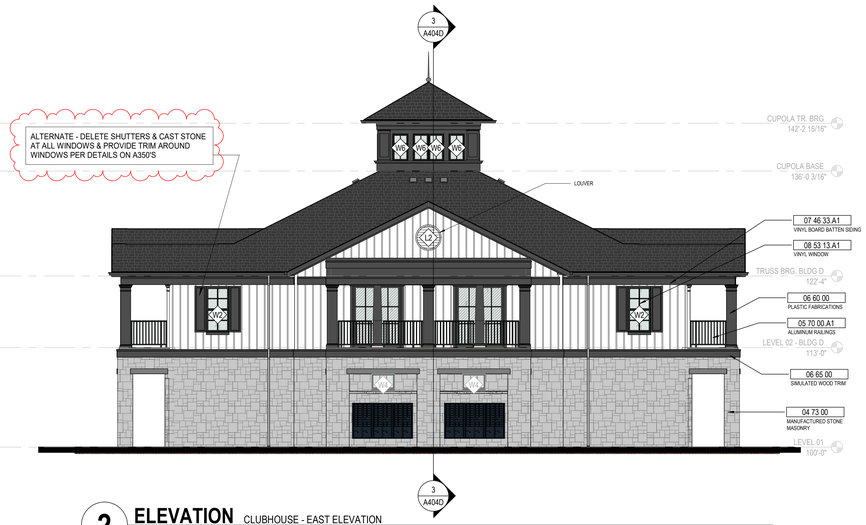
6 ELEVATION MAIL - WEST
1/4" = 1'-0" REF: 1 / A106D



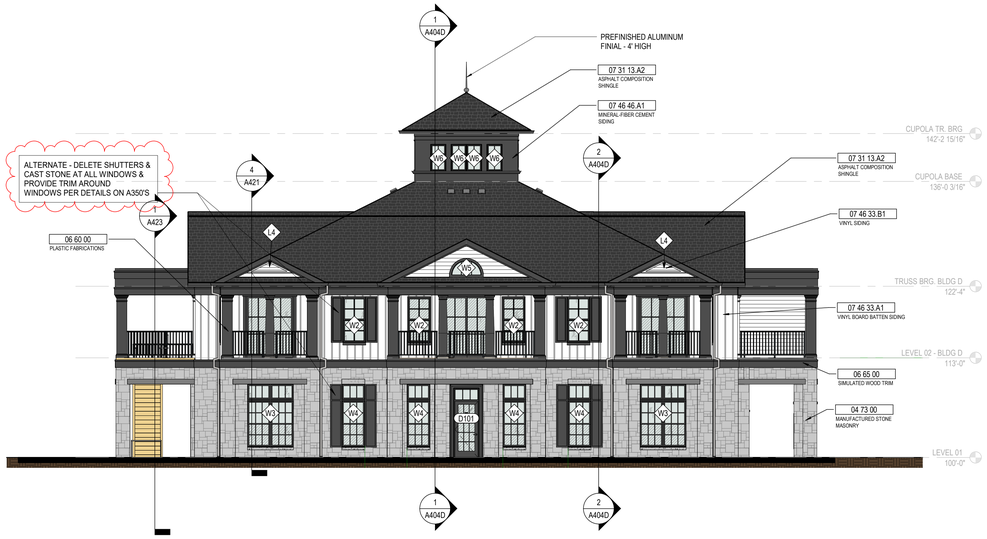
5 ELEVATION MAIL - EAST
1/4" = 1'-0" REF: 1 / A106D



4 ELEVATION CLUBHOUSE - WEST ELEVATION
1/8" = 1'-0" REF: 1 / A106D



2 ELEVATION CLUBHOUSE - EAST ELEVATION
1/8" = 1'-0" REF: 1 / A106D



3 ELEVATION CLUBHOUSE - SOUTH ELEVATION
1/8" = 1'-0" REF: 1 / A106D

1 ELEVATION CLUBHOUSE - NORTH ELEVATION
1/8" = 1'-0" REF: 1 / A106D

REVIT VERSION: 2023
PRINT DATE: 6/26/2025 2:06:45 PM
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GENERAL NOTES - EXTERIOR ELEVATIONS

1. SEE MEP DRAWINGS FOR LOCATIONS OF BLDG VENTS AND WALL HYDRANTS ON THE ELEVATIONS. COORDINATE FINAL PLACEMENT WITH ARCHITECT..

EXTERIOR CODED NOTES

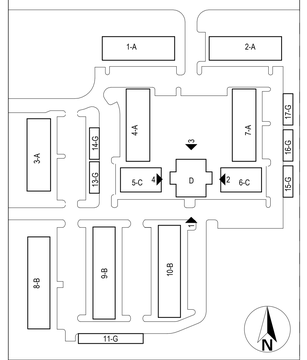
EXTERIOR LEGEND

- IG-1 EXTERIOR GLAZING (CLEAR)
- IG-1A EXTERIOR GLAZING (CLEAR TEMPERED)
- VINYL BOARD AND BATTEN SIDING
- VINYL BOARD AND BATTEN SIDING
- VINYL SIDING

KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT
04 72 00.A6	CAST STONE COPING
04 73 00	MANUFACTURED STONE MASONRY
05 70 00.A1	ALUMINUM RAILINGS
06 60 00	PLASTIC FABRICATIONS
06 65 00	SIMULATED WOOD TRIM
07 31 13.A2	ASPHALT COMPOSITION SHINGLE
07 46 33.A1	VINYL BOARD BATTEN SIDING
07 46 33.B1	VINYL SIDING
07 46 46.A1	MINERAL-FIBER CEMENT SIDING
08 53 13.A1	VINYL WINDOW
10 55 23.B1	2 PARCEL FRONT LOADING LOCKABLE MAILBOX
10 55 23.B2	4 PARCEL FRONT LOADING LOCKABLE MAILBOX
10 55 23.B3	8 SLOTS/1 PARCEL FRONT LOADING LOCKABLE MAILBOX
10 55 23.B4	18 SLOTS/2 PARCEL FRONT LOADING LOCKABLE MAILBOX

KEYPLAN



#	DATE	CHANGE DESCRIPTION
1	06/11/25	ADDENDUM# 01
2	06/25/25	ADDENDUM# 02

COLUMBUS METROPOLITAN HOUSING AUTHORITY
COMMUNITY. COMMITMENT. COLLABORATION.

THE FALLS ON REFUGEE ROAD
3355 REFUGEE ROAD. COLUMBUS, OH 43232
FOR
CMHA

Moody Nolan
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: 614-461-4664
CERT. NO: FIRM 00197475

DRAWING TITLE:

CLUBHOUSE - EXTERIOR ELEVATIONS

PROGRESS DRAWING NOT FOR CONSTRUCTION

05/01/2025
23446

A310D

CD PROGRESS SET

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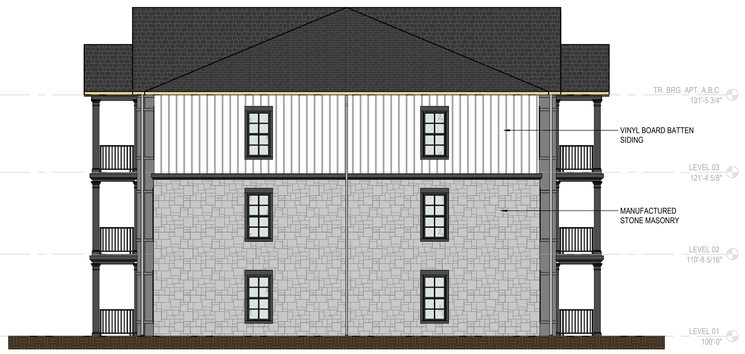
4 ELEVATION BLDG A ALTERNATE SIDES - TRIM @ WINDOWS (NO SHUTTERS) & FIBER CEMENT PANEL W/ BATTENS (NON STREET FACING)
1/8" = 1'-0" REF: 1 / AD100



3 ELEVATION BLDG A ALTERNATE SIDES - TRIM @ WINDOWS (NO SHUTTERS) & FIBER CEMENT PANEL W/ BATTENS (STREET FACING)
1/8" = 1'-0" REF: 1 / AD100

NOTE: FOR EACH BLDG THE MASONRY HEIGHT IS TO BE CONSISTENT AROUND THE ENTIRE BLDG AND IS DETERMINED BY IF THE BLDG. IS PUBLIC STREET FACING AS INDICATED ON THE SITE KEY PLAN

2 ELEVATION BLDG A ALTERNATE FRONT/REAR - TRIM @ WINDOWS (NO SHUTTERS) & FIBER CEMENT PANEL W/ BATTENS (NON STREET FACING)
1/8" = 1'-0" REF: 1 / AD100

THIS ALTERNATE SHOWS BLDG TYPE A WITH THE TWO- STORY STONE CLADDING WHICH OCCURS ONLY ON THE BUILDINGS ALONG THE TWO ROADS ADJACENT TO THE PROPERTY. (HEIGHT OF STONE CLADDING DOES NOT CHANGE UNDER THIS ALTERNATE - ONLY THE LOCATIONS OF THE STONE)

THE ALTERNATE ON THE BLDG TYPES A, B & C - DELETE THE SHUTTERS & PROVIDE THE SAME WINDOW TREATMENT SURROUND AS SHOWN ON THIS SHEET. AT THE BALCONY PEDIMENTS THE CLADDING IS TO BE CHANGED TO THE FIBER CEMENT PANELS W/ BATTENS FULL HEIGHT AS SHOWN ON THIS ELEVATION.

1 ELEVATION BLDG A ALTERNATE FRONT/REAR - TRIM @ WINDOWS (NO SHUTTERS) & FIBER CEMENT PANEL W/ BATTENS(STREET FACING)
1/8" = 1'-0" REF: 1 / AD100

GENERAL NOTES - EXTERIOR ELEVATIONS

1. SEE MEP DRAWINGS FOR LOCATIONS OF BLDG VENTS AND WALL HYDRANTS ON THE ELEVATIONS. COORDINATE FINAL PLACEMENT WITH ARCHITECT..

EXTERIOR CODED NOTES

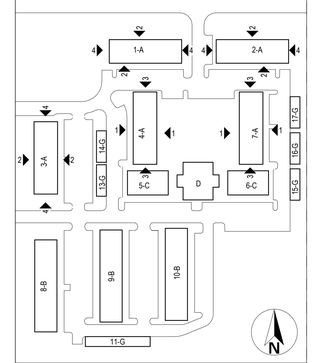
EXTERIOR LEGEND

- IG-1 EXTERIOR GLAZING (CLEAR)
- IG-1A EXTERIOR GLAZING (CLEAR TEMPERED)
- VINYL BOARD AND BATTEN SIDING
- VINYL BOARD AND BATTEN SIDING
- VINYL SIDING

KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT
04 73 00	MANUFACTURED STONE MASONRY
07 31 13.A2	ASPHALT COMPOSITION SHINGLE
07 46 33.A1	VINYL BOARD BATTEN SIDING
07 46 33.B1	VINYL SIDING
07 46 46.A1	MINERAL-FIBER CEMENT SIDING
08 91 20	ROOF GABLE LOUVERS

KEYPLAN



#	DATE	CHANGE DESCRIPTION
1	06/11/25	ADDENDUM# 01
2	06/25/25	ADDENDUM# 02

COLUMBUS METROPOLITAN HOUSING AUTHORITY
COMMUNITY. COMMITMENT. COLLABORATION.

THE FALLS ON REFUGEE ROAD
3355 REFUGEE ROAD. COLUMBUS, OH 43232
FOR
CMHA

Moody Nolan
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: 614-461-4664
CERT. NO: FIRM 00197475

DRAWING TITLE:
ALTERNATE BUILDING A ELEVATIONS

PROGRESS DRAWING NOT FOR CONSTRUCTION

05/01/2025
23446
A350A
CD PROGRESS SET

REVIT VERSION: 2023
PRINT DATE: 6/26/2025 2:07:38 PM
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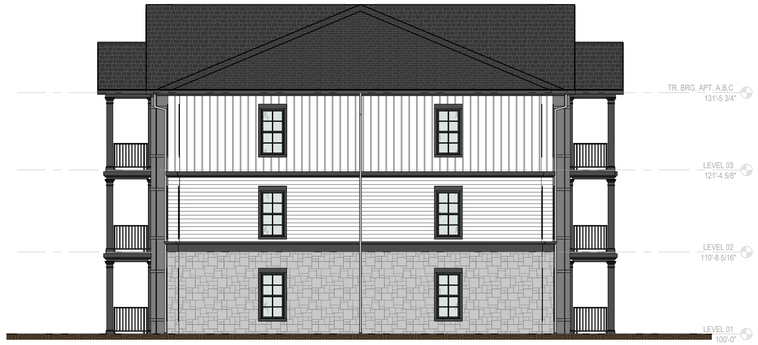
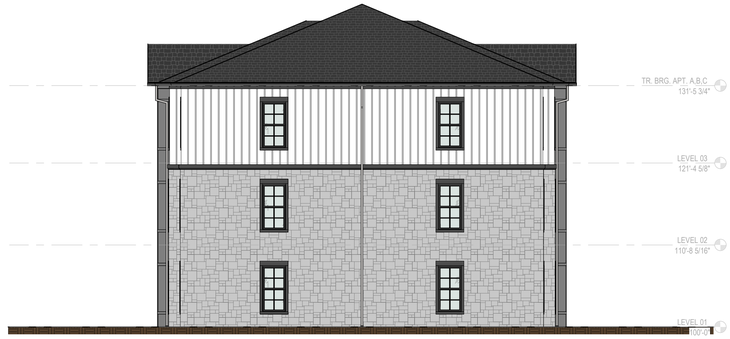


4 ELEVATION BLDG B ALTERNATE SIDES - TRIM @ WINDOWS (NO SHUTTERS) & FIBER CEMENT PANEL W/ BATTENS (NON STREET FACING)
1/8" = 1'-0" REF: 1 / AD100



3 ELEVATION BLDG B ALTERNATE SIDES - TRIM @ WINDOWS (NO SHUTTERS) & FIBER CEMENT PANEL W/ BATTENS (STREET FACING)
1/8" = 1'-0" REF: 1 / AD100

NOTE: FOR EACH BLDG THE MASONRY HEIGHT IS TO BE CONSISTENT AROUND THE ENTIRE BLDG AND IS DETERMINED BY IF THE BLDG. IS PUBLIC STREET FACING AS INDICATED ON THE SITE KEY PLAN

2 ELEVATION BLDG B ALTERNATE FRONT/REAR - TRIM @ WINDOWS (NO SHUTTERS) & FIBER CEMENT PANEL W/ BATTENS (NON STREET FACING
1/8" = 1'-0" REF: 1 / AD100

THIS ALTERNATE SHOWS BLDG TYPE A WITH THE TWO- STORY STONE CLADDING WHICH OCCURS ONLY ON THE BUILDINGS ALONG THE TWO ROADS ADJACENT TO THE PROPERTY. (HEIGHT OF STONE CLADDING DOES NOT CHANGE UNDER THIS ALTERNATE - ONLY THE LOCATIONS OF THE STONE)

THE ALTERNATE ON THE BLDG TYPES A, B & C - DELETE THE SHUTTERS & PROVIDE THE SAME WINDOW TREATMENT SURROUND AS SHOWN ON THE DETAIL REFERENCES ON THIS ELEVATION. AT THE BALCONY PEDIMENTS THE CLADDING IS TO BE CHANGED TO THE FIBER CEMENT PANELS W/ BATTENS FULL HEIGHT AS SHOWN ON THIS ELEVATION.

1 ELEVATION BLDG B ALTERNATE FRONT/REAR - TRIM @ WINDOWS (NO SHUTTERS) & FIBER CEMENT PANEL W/ BATTENS (STREET FACING)
1/8" = 1'-0" REF: 1 / AD100

GENERAL NOTES - EXTERIOR ELEVATIONS

1. SEE MEP DRAWINGS FOR LOCATIONS OF BLDG VENTS AND WALL HYDRANTS ON THE ELEVATIONS. COORDINATE FINAL PLACEMENT WITH ARCHITECT..

EXTERIOR CODED NOTES

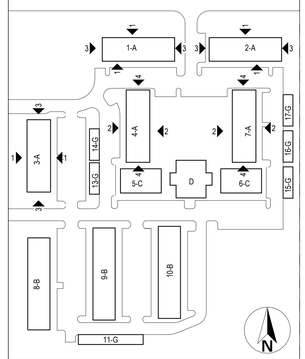
EXTERIOR LEGEND

- IG-1 EXTERIOR GLAZING (CLEAR)
- IG-1A EXTERIOR GLAZING (CLEAR TEMPERED)
- VINYL BOARD AND BATTEN SIDING
- VINYL BOARD AND BATTEN SIDING
- VINYL SIDING

KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT
04 73 00	MANUFACTURED STONE MASONRY
07 46 33.A1	VINYL BOARD BATTEN SIDING
07 46 46.A1	MINERAL-FIBER CEMENT SIDING

KEYPLAN



#	DATE	CHANGE DESCRIPTION
1	06/11/25	ADDENDUM# 01
2	06/25/25	ADDENDUM# 02

COLUMBUS METROPOLITAN HOUSING AUTHORITY
COMMUNITY. COMMITMENT. COLLABORATION.

THE FALLS ON REFUGEE ROAD
3355 REFUGEE ROAD. COLUMBUS, OH 43232
FOR
CMHA

Moody Nolan
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: 614-461-4664
CERT. NO: FIRM 00197475

DRAWING TITLE:

ALTERNATE BUILDING B ELEVATIONS

05/01/2025

2 PROGRESS DRAWING NOT FOR CONSTRUCTION

23446

A350B

CD PROGRESS SET

REVIT VERSION: 2023
PRINT DATE: 6/26/2025 2:08:02 PM
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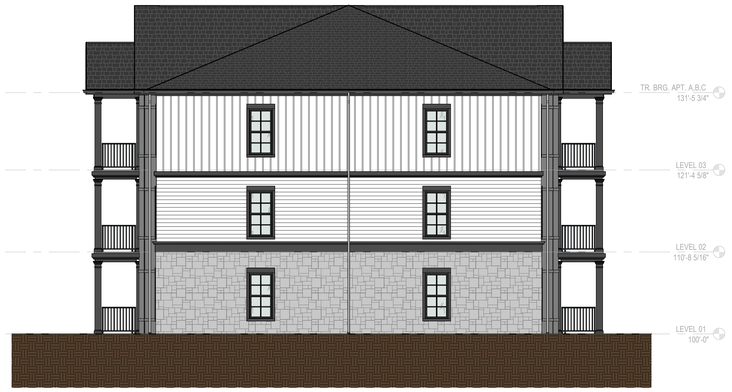


2 ELEVATION 1/8" = 1'-0"
BLDG C ALTERNATE SIDES - TRIM @ WINDOWS (NO SHUTTERS) & FIBER CEMENT PANEL W/ BATTENS
REF: 1 / AD100

THE ALTERNATE ON THE BLDG TYPES A, B & C - DELETE THE SHUTTERS & PROVIDE THE SAME WINDOW TREATMENT SURROUND AS SHOWN ON THE DETAIL REFERENCES INDICATED ON THIS ELEVATION. AT THE BALCONY PEDIMENTS THE CLADDING IS TO BE CHANGED TO THE FIBER CEMENT PANELS W/ BATTENS FULL HEIGHT AS SHOWN ON THIS ELEVATION.

1 ELEVATION 1/8" = 1'-0"
BLDG C ALTERNATE FRONT/REAR- TRIM @ WINDOWS (NO SHUTTERS) & FIBER CEMENT PANEL W/ BATTENS
REF: 1 / AD100

GENERAL NOTES - EXTERIOR ELEVATIONS

1. SEE MEP DRAWINGS FOR LOCATIONS OF BLDG VENTS AND WALL HYDRANTS ON THE ELEVATIONS. COORDINATE FINAL PLACEMENT WITH ARCHITECT..

EXTERIOR CODED NOTES

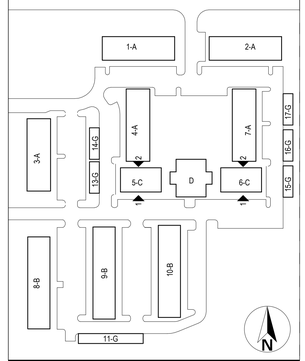
EXTERIOR LEGEND

- IG-1 EXTERIOR GLAZING (CLEAR)
- IG-1A EXTERIOR GLAZING (CLEAR TEMPERED)
- VINYL BOARD AND BATTEN SIDING
- VINYL BOARD AND BATTEN SIDING
- VINYL SIDING

KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT

KEYPLAN



#	DATE	CHANGE DESCRIPTION
1	06/11/25	ADDENDUM# 01
2	06/25/25	ADDENDUM# 02

COLUMBUS METROPOLITAN HOUSING AUTHORITY
COMMUNITY. COMMITMENT. COLLABORATION.

THE FALLS ON REFUGEE ROAD
3355 REFUGEE ROAD. COLUMBUS, OH 43232
FOR
CMHA

Moody Nolan
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: 614-461-4664
CERT. NO: FIRM 00197475

DRAWING TITLE:

ALTERNATE BUILDING C ELEVATIONS

05/01/2025

2

PROGRESS DRAWING NOT FOR CONSTRUCTION

23446

A350C

CD PROGRESS SET

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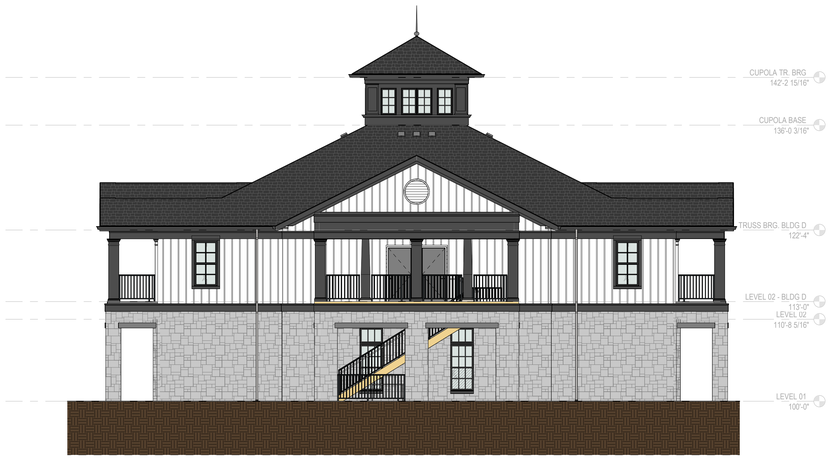


4 ELEVATION CLUBHOUSE ALTERNATE - WEST
1/8" = 1'-0" REF: 1 / AD100

2 ELEVATION CLUBHOUSE ALTERNATE - EAST
1/8" = 1'-0" REF: 1 / AD100

3 ELEVATION CLUBHOUSE ALTERNATE - SOUTH
1/8" = 1'-0" REF: 1 / AD100

1 ELEVATION CLUBHOUSE ALTERNATE - NORTH
1/8" = 1'-0" REF: 1 / AD100

GENERAL NOTES - EXTERIOR ELEVATIONS

1. SEE MEP DRAWINGS FOR LOCATIONS OF BLDG VENTS AND WALL HYDRANTS ON THE ELEVATIONS. COORDINATE FINAL PLACEMENT WITH ARCHITECT..

EXTERIOR CODED NOTES

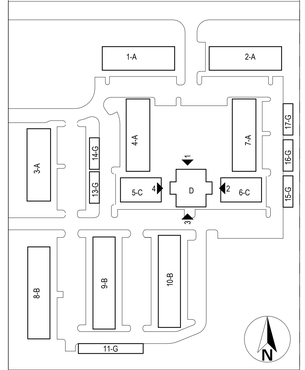
EXTERIOR LEGEND

- IG-1 EXTERIOR GLAZING (CLEAR)
- IG-1A EXTERIOR GLAZING (CLEAR TEMPERED)
- VINYL BOARD AND BATTEN SIDING
- VINYL BOARD AND BATTEN SIDING
- VINYL SIDING

KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT

KEYPLAN



#	DATE	CHANGE DESCRIPTION
1	06/11/25	ADDENDUM# 01
2	06/25/25	ADDENDUM# 02

COLUMBUS METROPOLITAN HOUSING AUTHORITY
COMMUNITY. COMMITMENT. COLLABORATION.

THE FALLS ON REFUGEE ROAD
3355 REFUGEE ROAD. COLUMBUS, OH 43232
FOR
CMHA

Moody Nolan
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: 614-461-4664
CERT. NO: FIRM 00197475

DRAWING TITLE:

ALTERNATE CLUBHOUSE ELEVATIONS

05/01/2025

2 PROGRESS DRAWING NOT FOR CONSTRUCTION

23446

A350D

CD PROGRESS SET

REVIT VERSION: 2023
PRINT DATE: 6/26/2025 2:08:13 PM
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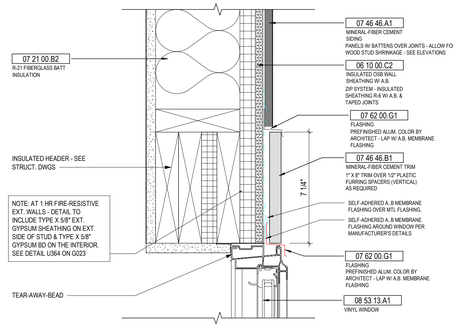
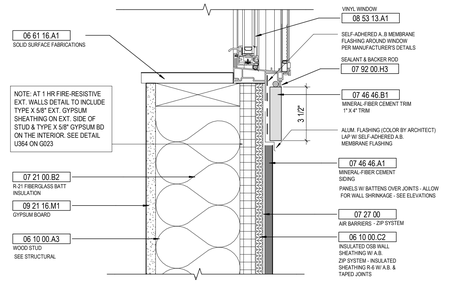
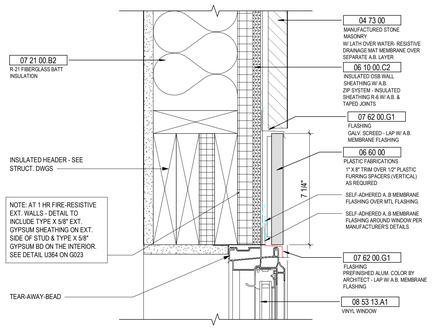
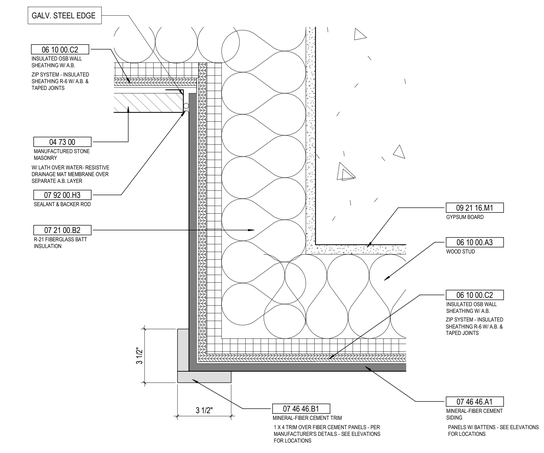


NOTE: JAMB CONDITION SIMILAR TO SILL W/ 4" TRIM & SEALANT / BACKER ROD AT FIBER CEMENT JOINT. SIMILAR CONDITION AT VINYL SIDING W/ VINYL EDGE TRIM AT JOINT

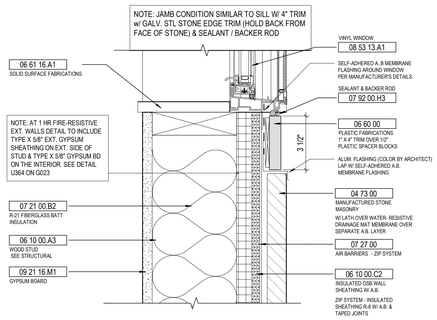


2 DETAIL ALT. WINDOW SILL & HEAD AT FIBER CEMENT PANEL AREAS (NO SHUTTERS)
3" = 1'-0" REF: 1 / A350A





3 DETAIL PLAN DETAIL AT FIBER CEMENT SIDING CORNER TRIM
3" = 1'-0" REF: 1 / A350A



1 DETAIL ALT. WINDOW HEAD & SILL AT STONE (NO SHUTTERS)
3" = 1'-0" REF: 1 / A350A

GENERAL NOTES - EXTERIOR ELEVATIONS

1. SEE MEP DRAWINGS FOR LOCATIONS OF BLDG VENTS AND WALL HYDRANTS ON THE ELEVATIONS. COORDINATE FINAL PLACEMENT WITH ARCHITECT..

EXTERIOR CODED NOTES

EXTERIOR LEGEND

- IG-1 EXTERIOR GLAZING (CLEAR)
- IG-1A EXTERIOR GLAZING (CLEAR TEMPERED)
- VINYL BOARD AND BATTEN SIDING
- VINYL BOARD AND BATTEN SIDING
- VINYL SIDING

KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT
04 73 00	MANUFACTURED STONE MASONRY
06 10 00.A3	WOOD STUD
06 10 00.C2	INSULATED OSB WALL SHEATHING W/ A.B.
06 60 00	PLASTIC FABRICATIONS
06 61 16.A1	SOLID SURFACE FABRICATIONS
07 21 00.B2	R-21 FIBERGLASS BATT INSULATION
07 27 00	AIR BARRIERS
07 46 46.A1	MINERAL-FIBER CEMENT SIDING
07 46 46.B1	MINERAL-FIBER CEMENT TRIM
07 62 00.G1	FLASHING
07 92 00.H3	SEALANT & BACKER ROD
08 53 13.A1	VINYL WINDOW
09 21 16.M1	GYPSUM BOARD

#	DATE	CHANGE DESCRIPTION
1	06/11/25	ADDENDUM# 01
2	06/25/25	ADDENDUM# 02

COLUMBUS METROPOLITAN HOUSING AUTHORITY
COMMUNITY. COMMITMENT. COLLABORATION.

THE FALLS ON REFUGEE ROAD
3355 REFUGEE ROAD. COLUMBUS, OH 43232
FOR
CMHA

Moody Nolan
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: 614-461-4664
CERT. NO: FIRM 00197475

DRAWING TITLE:
ALTERNATE BUILDING DETAILS

05/01/2025

2 PROGRESS DRAWING NOT FOR CONSTRUCTION

23446

A351

CD PROGRESS SET

REVIT VERSION: 2023
PRINT DATE: 6/26/2025 2:08:03 PM
FILE INFO: Autodesk Docs://23446_CMHA Refugee Rd Housing D-print_R23.2446_CMHA Refugee Rd Housing_ARCH_R23.rvt

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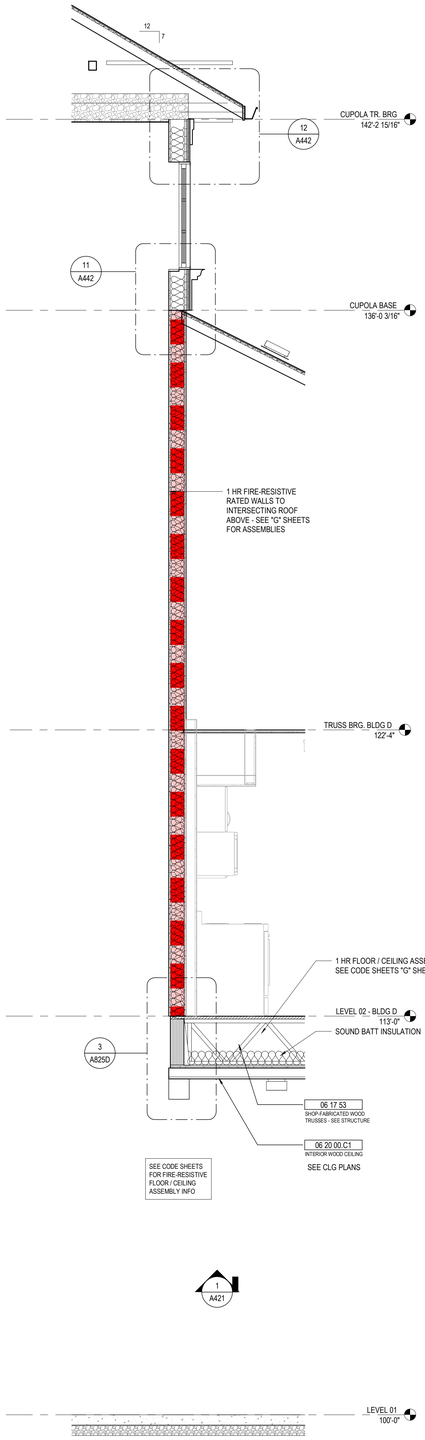

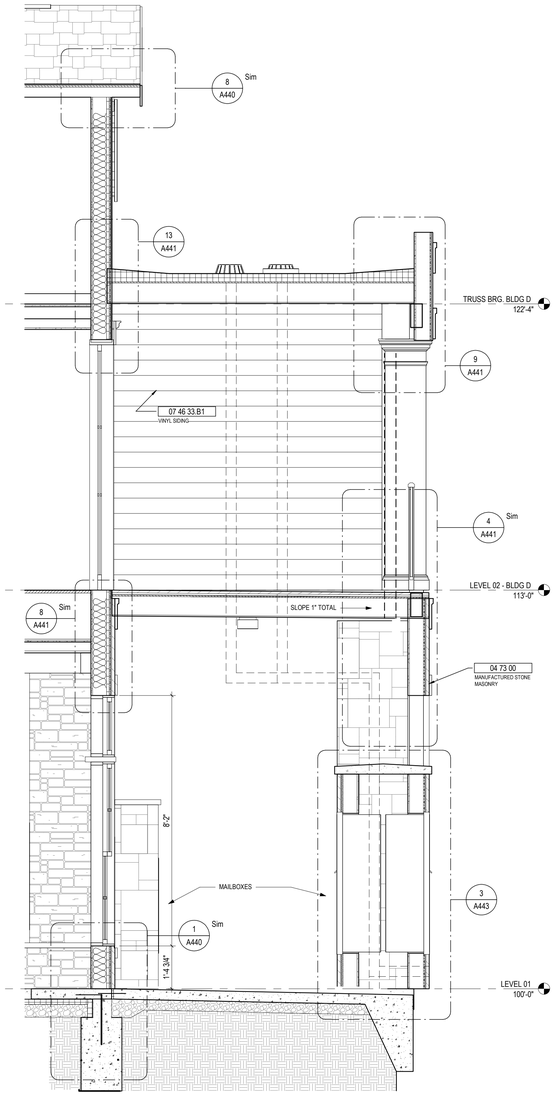

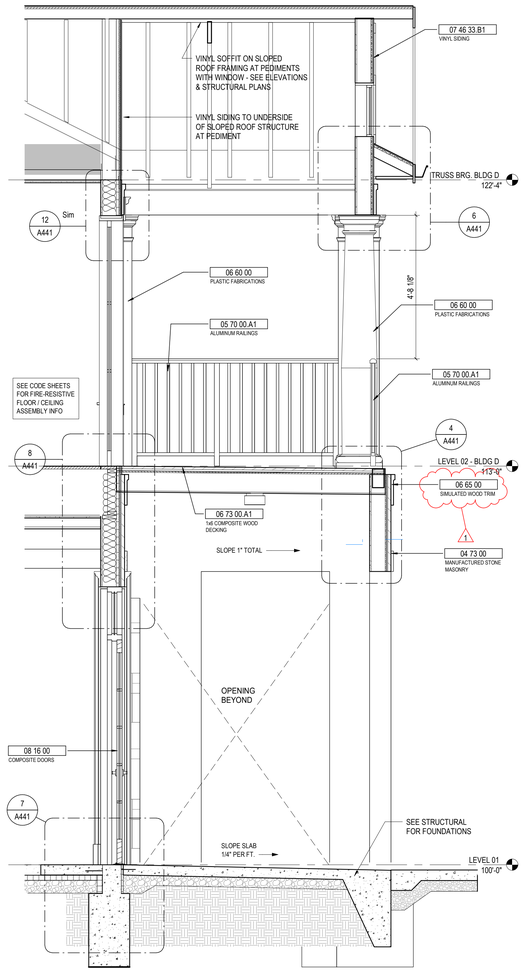

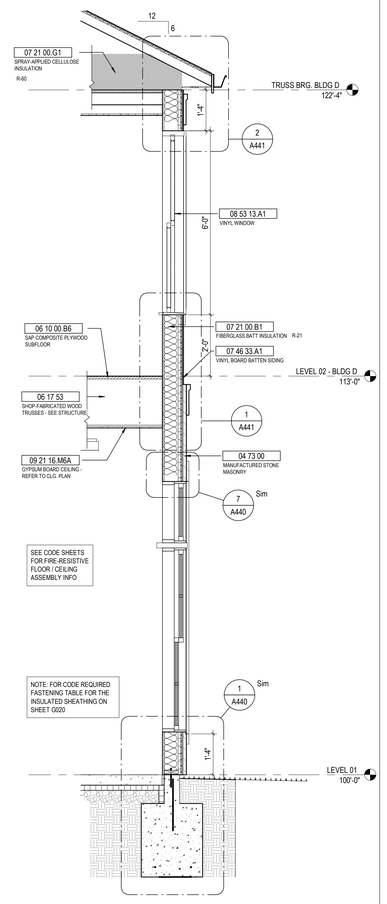

4 SECTION BLDG. D - CLUBHOUSE AT CUPOLA
1/2" = 1'-0" REF: 1 / A106D

3 SECTION BLDG. D - CLUBHOUSE AT SIDE PORTICO
1/2" = 1'-0" REF: 1 / A106D

2 SECTION BLDG. D - CLUBHOUSE AT ENTRY BALCONY
1/2" = 1'-0" REF: 1 / A106D

1 SECTION BLDG. D - CLUBHOUSE WALL SECTION 1
1/2" = 1'-0" REF: 1 / A106D

GENERAL NOTES - WALL SECTIONS

A. REFER TO G SHEETS FOR ADDITIONAL INFORMATION OF FIRE RATINGS FOR FLOORS AND WALLS.
B. ALL METAL EXPOSED TO EXTERIOR CONDITIONS TO BE GALVANIZED.
C. REFER TO ELEVATIONS FOR WINDOW TYPES.
D. SEAL AIR BARRIER CONTINUOUSLY THROUGHOUT ALL ADJACENT SYSTEMS AND STEEL SUPPORTS (TYP.)
E. AIR BARRIER MUST BE CONTINUOUSLY SEALED AT ALL WINDOW FRAMES.
F. ALL RIGID INSULATION IN WALLS OR CURTAINWALL TO BE PROPERLY SEALED AT ALL PENETRATIONS
G. ALL GRADE TO SLOPE AWAY FROM BUILDING.
H. ALL DRIP EDGES TO BE STAINLESS STEEL.
I. ALL FLASHING ON WALLS INTERSECTING ROOF SURFACES TO TURN UP ROOF A MINIMUM OF 8". ADDITIONAL TURN-UP MAY BE REQUIRED BY ROOF MANUFACTURER TO MAINTAIN WARRANTY. REFER TO ROOFING MANUFACTURER'S RECOMMENDED DETAILS FOR ADDITIONAL INFORMATION.
J. RETURN PREMANUFACTURED STONE BANDING PATTERN AND REVEALS AT ALL WINDOW JAMBS, PILASTERS AND CHANGES IN WALL PLANE.
K. TAPE ALL JOINTS IN INSULATED SHEATHING TO PROVIDE A WATER RESISTANT BARRIER TAPE ALL JOINTS IN INSULATED SHEATHING TO PROVIDE A WATER RESISTANT BARRIER.
L. REFER TO ELEVATIONS AND SPECIFICATIONS FOR LOCATIONS OF CONTROL JOINTS.
M. BATT INSULATION TO HAVE FACING PER ATTACHED SPECIFICATION.
N. REFER TO WINDOW SHEETS AND INTERIOR SHEETS FOR EXACT LOCATION AND ADDITIONAL INFORMATION REGARDING WINDOW SHADES.
O. COMBUSTIBLE EXTERIOR WALL COVERINGS SHALL BE LIMITED TO 40 FEET IN HEIGHT ABOVE GRADE PLANE..

KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT
04 73 00	MANUFACTURED STONE MASONRY
05 70 00.A1	ALUMINUM RAILINGS
06 10 00.B6	SAP COMPOSITE PLYWOOD SUBFLOOR
06 17 53	SHOP-FABRICATED WOOD TRUSSES - SEE STRUCTURE
06 20 00.C1	INTERIOR WOOD CEILING
06 60 00	PLASTIC FABRICATIONS
06 65 00	SIMULATED WOOD TRIM
06 73 00.A1	1x6 COMPOSITE WOOD DECKING
07 21 00.B1	FIBERGLASS BATT INSULATION
07 21 00.G1	SPRAY-APPLIED CELLULOSE INSULATION
07 46 33.A1	VINYL BOARD BATTEN SIDING
07 46 33.B1	VINYL SIDING
08 16 00	COMPOSITE DOORS
08 53 13.A1	VINYL WINDOW
09 21 16.M6A	GYPSUM BOARD CEILING - REFER TO CLG. PLAN

#	DATE	CHANGE DESCRIPTION
1	06/25/25	ADDENDUM# 02

THE FALLS ON REFUGEE ROAD
3355 REFUGEE ROAD. COLUMBUS, OH 43232
FOR
CMHA

COLUMBUS METROPOLITAN HOUSING AUTHORITY
COMMUNITY. COMMITMENT. COLUMBUS®

Moody Nolan
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: 614-461-4664
CERT. NO: FIRM 00197475

DRAWING TITLE:
WALL SECTIONS - CLUBHOUSE

05/01/2025
23446
PROGRESS DRAWING NOT FOR CONSTRUCTION
A422
CD PROGRESS SET

REVIT VERSION: 2023
PRINT DATE: 6/26/2025 2:05:12 PM
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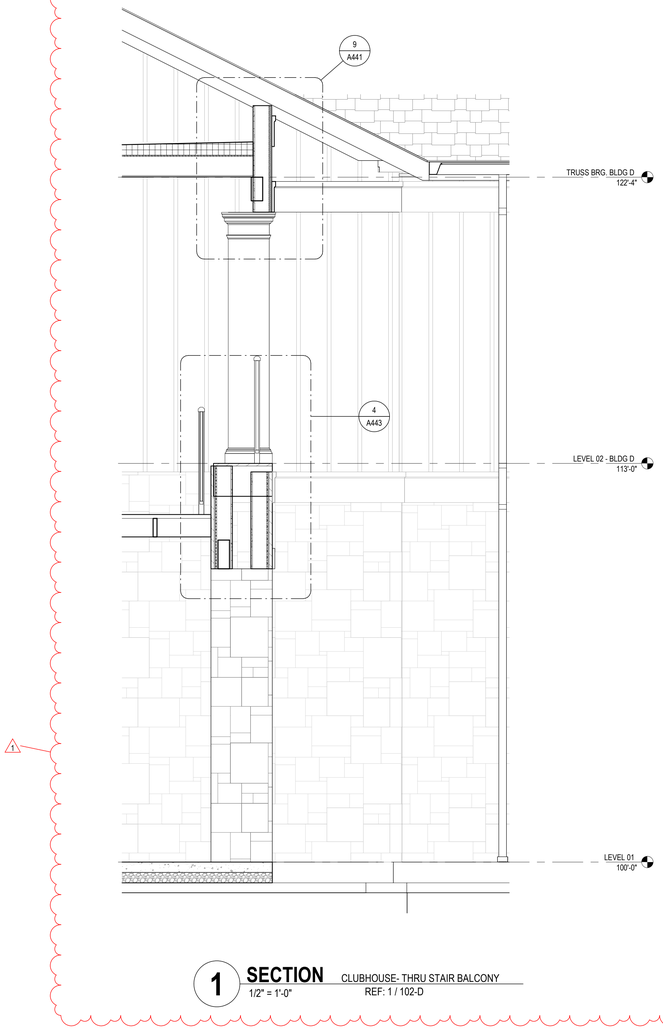

1 **SECTION** CLUBHOUSE- THRU STAIR BALCONY
1/2" = 1'-0" REF: 1 / 102-D

GENERAL NOTES - WALL SECTIONS

A. REFER TO G SHEETS FOR ADDITIONAL INFORMATION OF FIRE RATINGS FOR FLOORS AND WALLS.
B. ALL METAL EXPOSED TO EXTERIOR CONDITIONS TO BE GALVANIZED.
C. REFER TO ELEVATIONS FOR WINDOW TYPES.
D. SEAL AIR BARRIER CONTINUOUSLY THROUGHOUT ALL ADJACENT SYSTEMS AND STEEL SUPPORTS (TYP.)
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F. ALL RIGID INSULATION IN WALLS OR CURTAINWALL TO BE PROPERLY SEALED AT ALL PENETRATIONS
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M. BATT INSULATION TO HAVE FACING PER ATTACHED SPECIFICATION.
N. REFER TO WINDOW SHEETS AND INTERIOR SHEETS FOR EXACT LOCATION AND ADDITIONAL INFORMATION REGARDING WINDOW SHADES.
O. COMBUSTIBLE EXTERIOR WALL COVERINGS SHALL BE LIMITED TO 40 FEET IN HEIGHT ABOVE GRADE PLANE..

KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT

#	DATE	CHANGE DESCRIPTION
1	06/25/25	ADDENDUM# 02

COLUMBUS METROPOLITAN HOUSING AUTHORITY
COMMUNITY. COMMITMENT. COLLABORATION.

THE FALLS ON REFUGEE ROAD
3355 REFUGEE ROAD. COLUMBUS, OH 43232
FOR
CMHA

Moody Nolan
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: 614-461-4664
CERT. NO: FIRM 00197475

DRAWING TITLE:

WALL SECTIONS - CLUBHOUSE

PROGRESS DRAWING NOT FOR CONSTRUCTION

05/01/2025
23446
A423
CD PROGRESS SET

REVIT VERSION: 2023
PRINT DATE: 6/26/2025 2:07:44 PM
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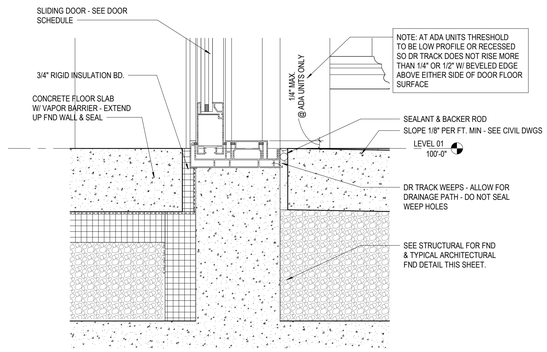
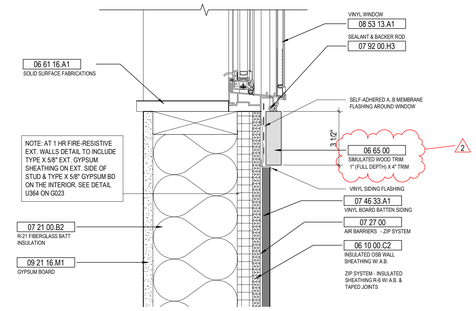
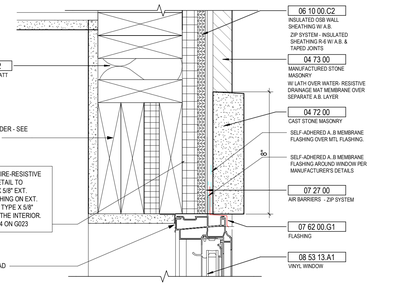


14 DETAIL BLDG TYPE A - LEVEL 01 PATIO SLIDING DOOR SILL
3" = 1'-0" REF: 3 / A420



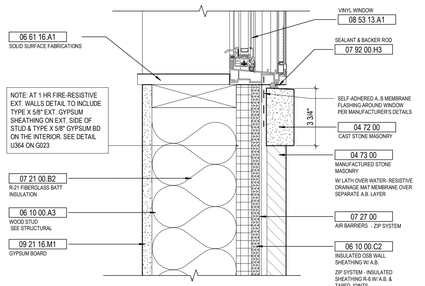
NOTE: JAMB CONDITION SIMILAR ONLY WITHOUT THE PLASTIC WOOD TRIM. VINYL SIDING END TRIM REQUIRED & SHUTTERS ADJACENT TO WINDOW (SEE ELEVATIONS) - FOR ALTERNATE CONDITION SEE A350'S

11 DETAIL WINDOW SILL @ 3RD FL W/ VINYL SIDING
3" = 1'-0" REF: 1 / A420

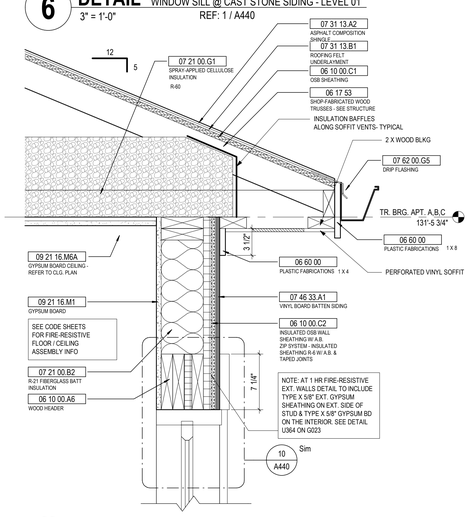


NOTE: JAMB CONDITION SIMILAR W/O CAST STONE TRIM. SEALANT & BACKER ROD AT WINDOW WITH SHUTTERS (SEE ELEVATIONS). FOR ALTERNATE CONDITION SEE A350'S

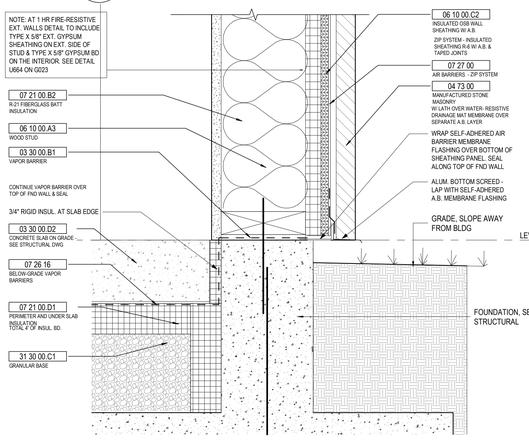
7 DETAIL WINDOW HEAD @ CAST STONE VENEER
3" = 1'-0" REF: 2 / A420



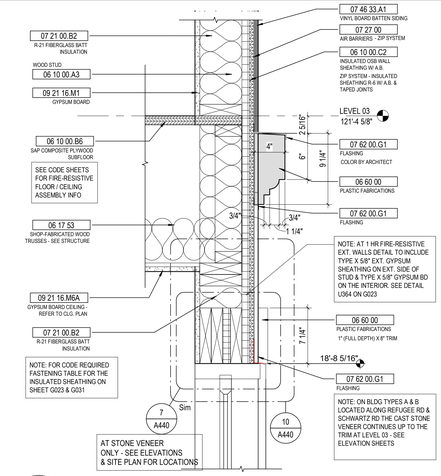
6 DETAIL WINDOW SILL @ CAST STONE SIDING - LEVEL 01
3" = 1'-0" REF: 1 / A440



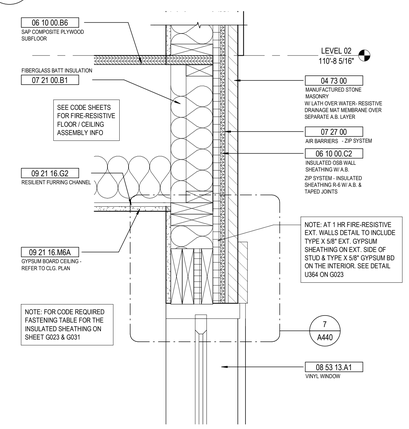
5 DETAIL BLDG. TYPE A AT ROOF SOFFIT OVERHANG
1 1/2" = 1'-0" REF: 1 / A420



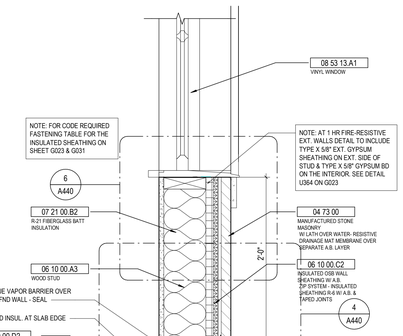
4 DETAIL TYPICAL FND SILL
3" = 1'-0" REF: 1 / A440



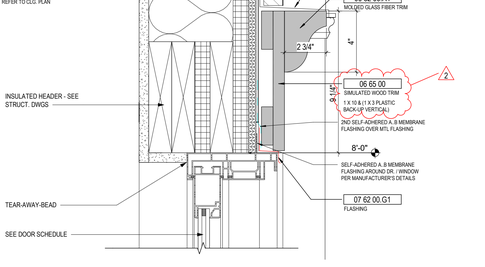
3 DETAIL BLDG. TYPE A - AT 3RD FL
1 1/2" = 1'-0" REF: 1 / A420



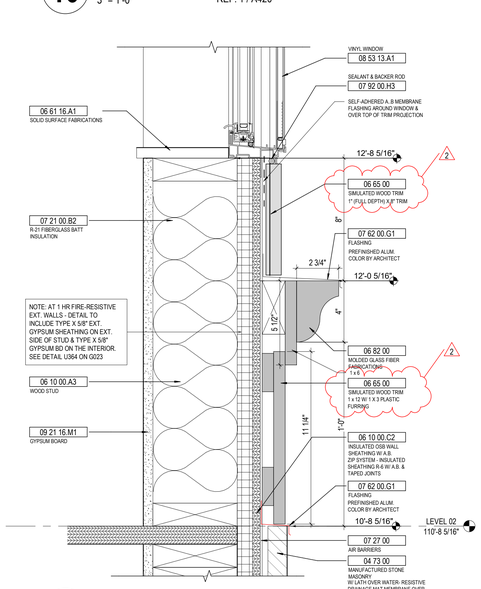
2 DETAIL BLDG. TYPE A - AT 2 ND FL. W/ SIDING
1 1/2" = 1'-0" REF: 1 / A420



1 DETAIL BLDG. TYPE A - TYPICAL FND
1 1/2" = 1'-0" REF: 1 / A420



13 DETAIL BLDG. TYPE A - 2ND & 3RD FL. SLIDING DR SILL & HEAD
3" = 1'-0" REF: 3 / A420



9 DETAIL WINDOW SILL @ CAST STONE VENEER - 2ND LEVEL
3" = 1'-0" REF: 1 / A420

10 DETAIL WINDOW HEAD @ VINYL SIDING - LEVELS 02 & 03
3" = 1'-0" REF: 1 / A420

8 DETAIL BLDG. TYPE A AT ROOF PEDIMENT OVERHANG
1 1/2" = 1'-0" REF: 2 / A420

12 DETAIL BLDG. TYPE A - 2ND & 3RD FL. BALCONY
1 1/2" = 1'-0" REF: 3 / A420

GENERAL NOTES - EXTERIOR DETAILS

1. X

KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT
03 30 00.B1	VAPOR BARRIER
03 30 00.D2	CONCRETE SLAB ON GRADE - SEE STRUCTURAL DWG
04 72 00	CAST STONE MASONRY
04 73 00	MANUFACTURED STONE MASONRY
05 52 00	METAL RAILINGS
06 10 00.A3	WOOD STUD
06 10 00.A6	WOOD HEADER
06 10 00.B	PLYWOOD
06 10 00.B6	SAP COMPOSITE PLYWOOD SUBFLOOR
06 10 00.C1	OSB SHEATHING
06 10 00.C2	INSULATED OSB WALL SHEATHING W/ A.B.
06 17 53	SHOP-FABRICATED WOOD TRUSSES - SEE STRUCTURE
06 60 00	PLASTIC FABRICATIONS
06 61 16.A1	SOLID SURFACE FABRICATIONS
06 65 00	SIMULATED WOOD TRIM
06 73 00.A1	1x6 COMPOSITE WOOD DECKING
06 82 00	MOLDED GLASS FIBER FABRICATIONS
06 82 00.A1	MOLDED GLASS FIBER TRIM
07 21 00.B1	FIBERGLASS BATT INSULATION
07 21 00.B2	R-21 FIBERGLASS BATT INSULATION
07 21 00.D1	PERIMETER AND UNDER SLAB INSULATION
07 21 00.G1	SPRAY-APPLIED CELLULOSE INSULATION
07 26 16	BELOW-GRADE VAPOR BARRIERS
07 27 00	AIR BARRIERS
07 31 13.A2	ASPHALT COMPOSITION SHINGLE
07 31 13.B1	ROOFING FELT UNDERLAYMENT
07 46 33.A1	VINYL BOARD BATTEN SIDING
07 46 33.B1	VINYL SIDING
07 62 00.G1	FLASHING
07 62 00.G5	DRIP FLASHING
07 92 00.H3	SEALANT & BACKER ROD
08 53 13.A1	VINYL WINDOW
09 21 16.G2	RESILIENT FURRING CHANNEL
09 21 16.M1	GYPSUM BOARD
09 21 16.M6A	GYPSUM BOARD CEILING - REFER TO CLG. PLAN
31 30 00.C1	GRANULAR BASE

#	DATE	CHANGE DESCRIPTION
1	06/11/25	ADDENDUM# 01
2	06/25/25	ADDENDUM# 02

COLUMBUS METROPOLITAN HOUSING AUTHORITY
COMMUNITY. COMMITMENT. COLLABORATION.

THE FALLS ON REFUGEE ROAD
3355 REFUGEE ROAD. COLUMBUS, OH 43232
FOR
CMHA

Moody Nolan
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: 614-461-4664
CERT. NO: FIRM 00197475

DRAWING TITLE:

EXTERIOR DETAILS - SECTION

PROGRESS DRAWING NOT FOR CONSTRUCTION

05/01/2025
23446
A440
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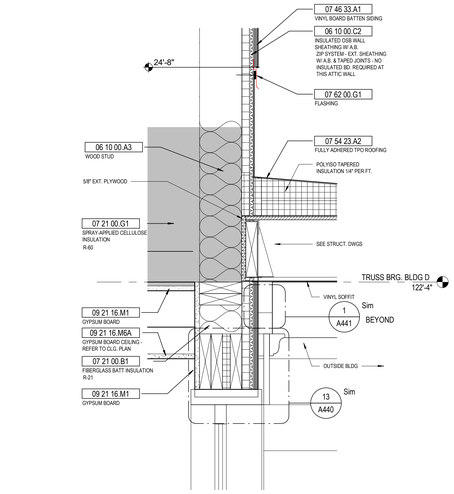
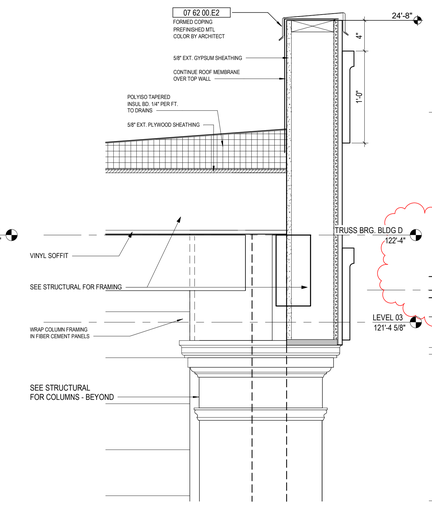
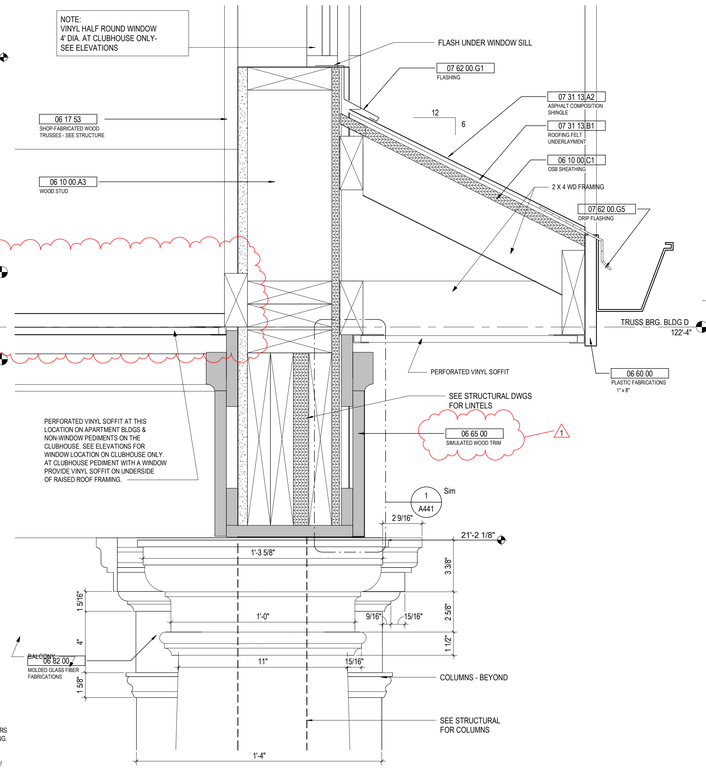


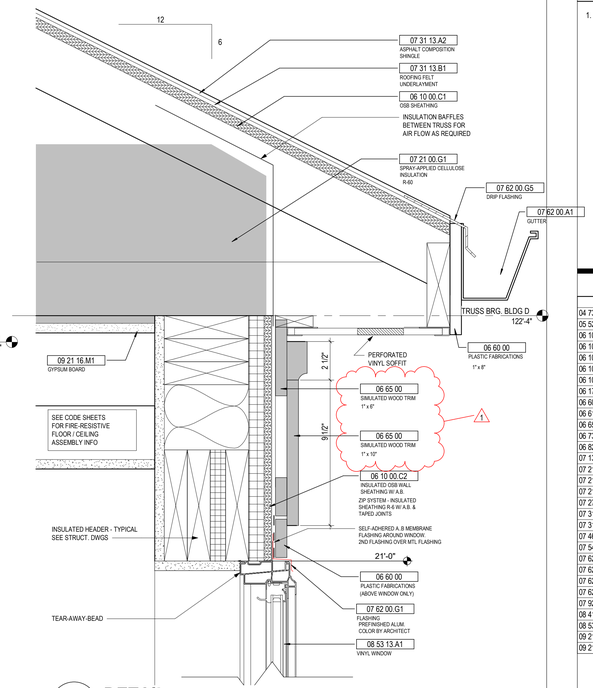
13 DETAIL CLUBHOUSE - BALCONY ROOF / WALL
1 1/2" = 1'-0" REF: 3 / A422



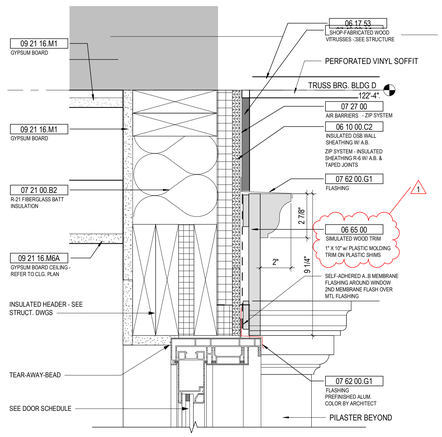
9 DETAIL CLUBHOUSE - 2ND FL BALCONY ROOF
1 1/2" = 1'-0" REF: 3 / A422



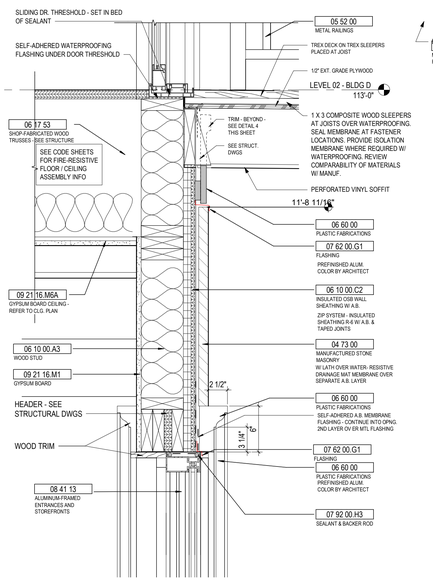
6 DETAIL CLUBHOUSE - BALCONY SOFFIT w/ WINDOW
3" = 1'-0" REF: 3 / A420



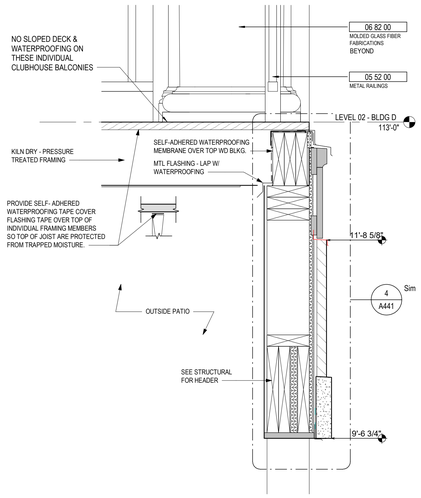
2 DETAIL CLUBHOUSE - WINDOW HEAD & ROOF SOFFIT
3" = 1'-0" REF: 1 / A422



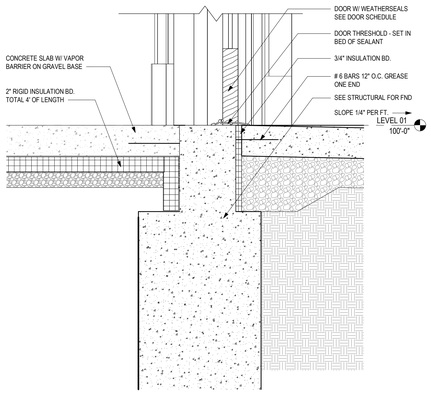
12 DETAIL BLDG D - SLIDING DR HEAD AT SIDING
3" = 1'-0" REF: 1 / A421



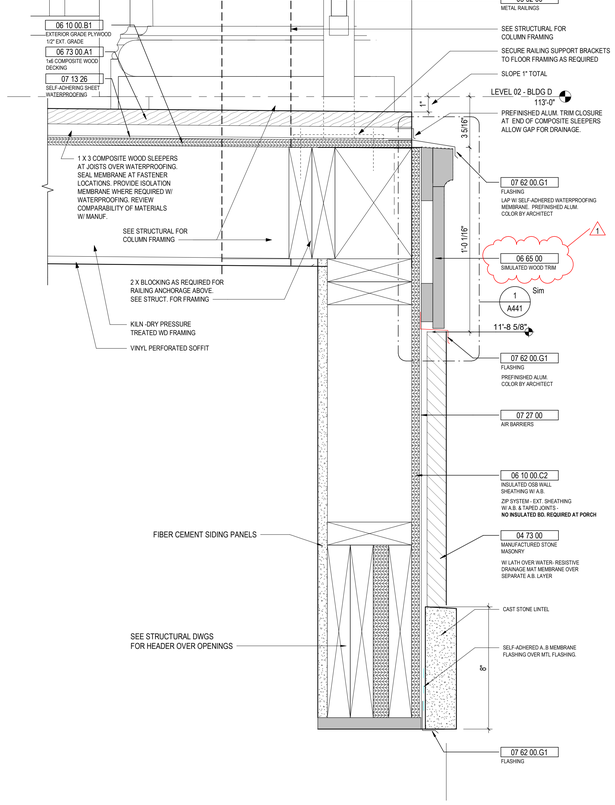
8 DETAIL CLUBHOUSE- 2ND FL DR. SILL BALCONY & 1ST FL S.F. DR. HEAD
1 1/2" = 1'-0" REF: 2 / A422



11 DETAIL CLUBHOUSE - BALCONY EDGE @ 2ND FL.
1 1/2" = 1'-0" REF: 1 / A421



7 DETAIL CLUBHOUSE BLDG. D - DR. THRESHOLD
1 1/2" = 1'-0" REF: 2 / A422



4 DETAIL CLUBHOUSE 2ND FL BALCONY AT ENTRY
3" = 1'-0" REF: 2 / A422

1 DETAIL CLUBHOUSE - WINDOW SILL & EXT. 2ND FL TRIM
3" = 1'-0" REF: 1 / A422

GENERAL NOTES - EXTERIOR DETAILS

1. X

KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT
04 73 00	MANUFACTURED STONE MASONRY
05 52 00	METAL RAILINGS
06 10 00.A3	WOOD STUD
06 10 00.B1	EXTERIOR GRADE PLYWOOD
06 10 00.B6	SAP COMPOSITE PLYWOOD SUBFLOOR
06 10 00.C1	OSB SHEATHING
06 10 00.C2	INSULATED OSB WALL SHEATHING W/ A.B.
06 17 53	SHOP-FABRICATED WOOD TRUSSES - SEE STRUCTURE
06 60 00	PLASTIC FABRICATIONS
06 61 16.A1	SOLID SURFACE FABRICATIONS
06 65 00	SIMULATED WOOD TRIM
06 73 00.A1	1x6 COMPOSITE WOOD DECKING
06 82 00	MOLDED GLASS FIBER FABRICATIONS
07 13 26	SELF-ADHERING SHEET WATERPROOFING
07 21 00.B1	FIBERGLASS BATT INSULATION
07 21 00.B2	R-21 FIBERGLASS BATT INSULATION
07 21 00.G1	SPRAY-APPLIED CELLULOSE INSULATION
07 27 00	AIR BARRIERS
07 31 13.A2	ASPHALT COMPOSITION SHINGLE
07 31 13.B1	ROOFING FELT UNDERLAYMENT
07 46 33.A1	VINYL BOARD BATTEN SIDING
07 54 23.A2	FULLY ADHERED TPO ROOFING
07 62 00.A1	GUTTER
07 62 00.E2	FORMED COPING
07 62 00.G1	FLASHING
07 62 00.G5	DRIP FLASHING
07 92 00.H3	SEALANT & BACKER ROD
08 41 13	ALUMINUM-FRAMED ENTRANCES AND STOREFRONTS
08 53 13.A1	VINYL WINDOW
09 21 16.M1	GYPSUM BOARD
09 21 16.M6A	GYPSUM BOARD CEILING - REFER TO CLG. PLAN

#	DATE	CHANGE DESCRIPTION
1	06/25/25	ADDENDUM# 02

COLUMBUS METROPOLITAN HOUSING AUTHORITY
COMMUNITY. COMMITMENT. COLLABORATION.

THE FALLS ON REFUGEE ROAD
3355 REFUGEE ROAD. COLUMBUS, OH 43232
FOR
CMHA

Moody Nolan
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: 614-461-4664
CERT. NO: FIRM 00197475

DRAWING TITLE:
EXTERIOR DETAILS - SECTION

PROGRESS DRAWING NOT FOR CONSTRUCTION

05/01/2025
23446
A441
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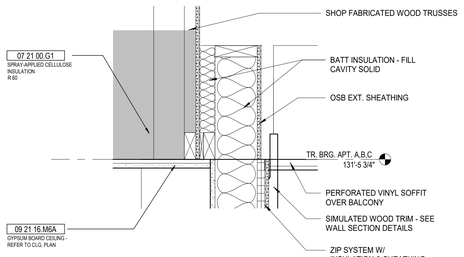
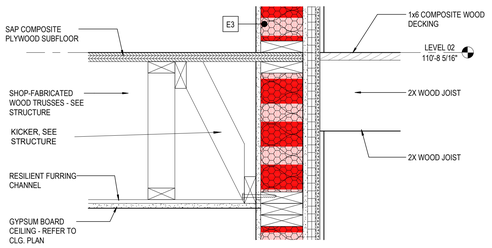
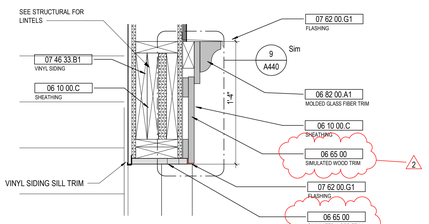


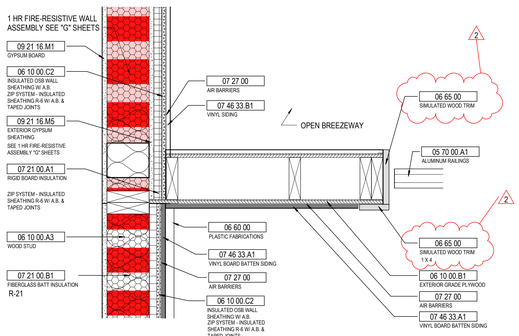
16 DETAIL BLDG. TYPE A - WALL JOG AT BALCONY SOFFIT PEDIMENT
1 1/2" = 1'-0" REF: 3 / A420



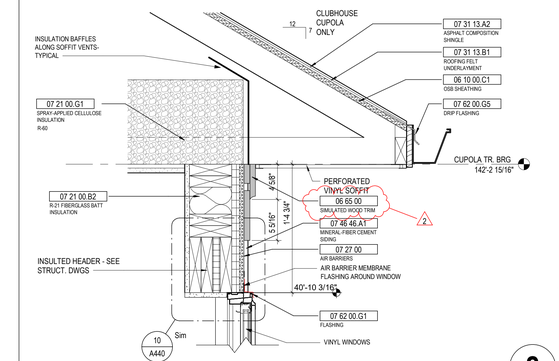
15 DETAIL EXT WALL @ BREEZEWAY
1 1/2" = 1'-0" REF: 3 / A421



14 DETAIL BREEZEWAY OPNG - HEAD
1 1/2" = 1'-0" REF: 2 / A421

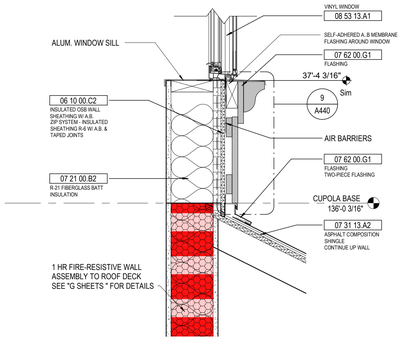


13 DETAIL LEVEL 02 & 03 - BLDG A - BREEZEWAY OPNG JAMB TRIM
1 1/2" = 1'-0" REF: 2 / A101A

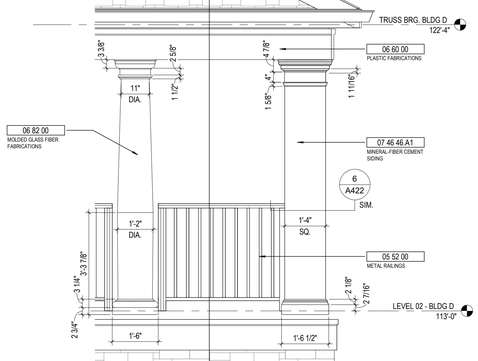


12 DETAIL BLDG. D - CLUBHOUSE AT CUPOLA / WINDOW HEAD
1 1/2" = 1'-0" REF: 4 / A422

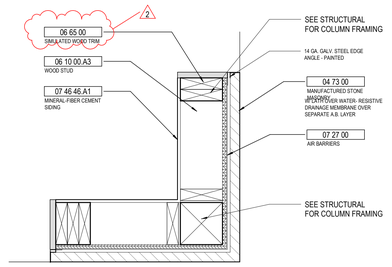
1 A421



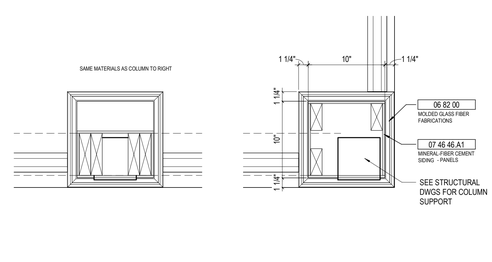
11 DETAIL BLDG. D - CLUBHOUSE AT CUPOLA / WINDOW SILL
1 1/2" = 1'-0" REF: 4 / A422



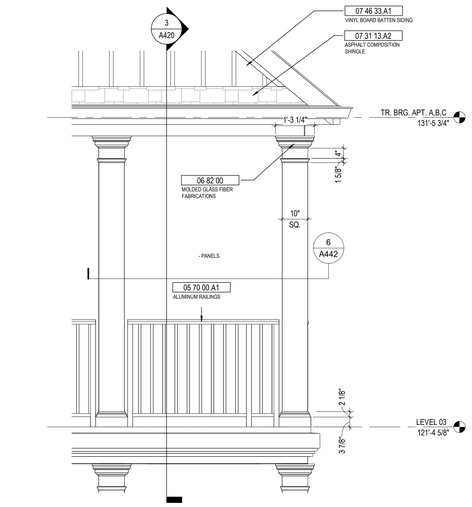
10 ELEVATION LEVEL 02 - CLUBHOUSE BALCONY
1/2" = 1'-0" REF: 2 / 102-D



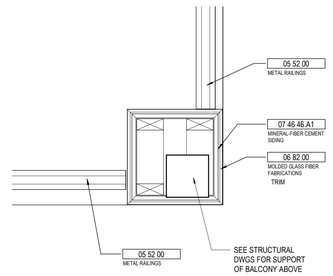
8 DETAIL LEVEL 01 - CLUBHOUSE BALCONY CORNER COLUMN
1 1/2" = 1'-0" REF: 1 / A106D



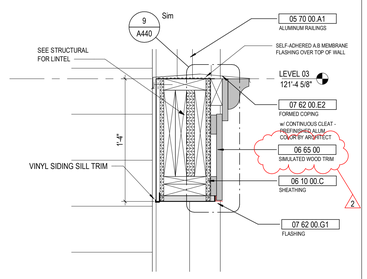
6 DETAIL LEVEL 03 - BALCONY COLUMNS
1 1/2" = 1'-0" REF: 1 / A102A



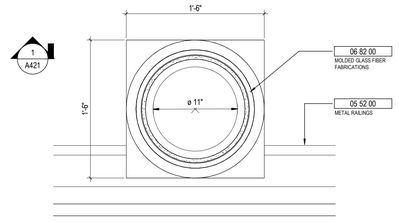
7 ELEVATION BLDG. TYPE A - 3RD FL BALCONY COLUMNS
1/2" = 1'-0" REF: 3 / 100-A



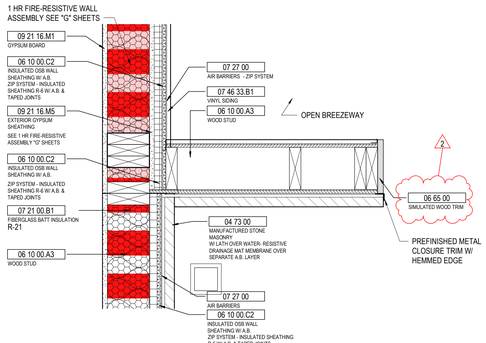
4 DETAIL LEVEL 01 - PATIO CORNER WALL
1 1/2" = 1'-0" REF: 1 / A101A



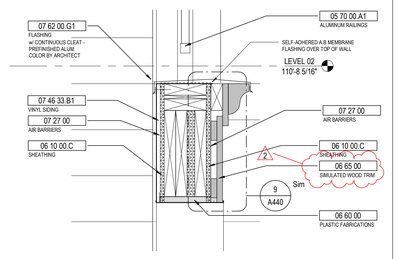
2 DETAIL BREEZEWAY EXT. WALL AT LEVEL 03
1 1/2" = 1'-0" REF: 2 / A421



9 DETAIL LEVEL 02 - CLUBHOUSE BALCONY COLUMN
1 1/2" = 1'-0" REF: 2 / A106D



5 DETAIL LEVEL 01- BREEZEWAY END WALL
1 1/2" = 1'-0" REF: 1 / A101A



1 DETAIL BREEZEWAY - EXT. WALL TRIM AT LEVEL 02
1 1/2" = 1'-0" REF: 2 / A421

GENERAL NOTES - EXTERIOR DETAILS

1. X

KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT
04 73 00	MANUFACTURED STONE MASONRY
05 52 00	METAL RAILINGS
05 70 00.A1	ALUMINUM RAILINGS
06 10 00.A3	WOOD STUD
06 10 00.A4	2X WOOD JOIST
06 10 00.B1	EXTERIOR GRADE PLYWOOD
06 10 00.B6	SAP COMPOSITE PLYWOOD SUBFLOOR
06 10 00.C	SHEATHING
06 10 00.C1	OSB SHEATHING
06 10 00.C2	INSULATED OSB WALL SHEATHING W/ A.B.
06 17 53	SHOP-FABRICATED WOOD TRUSSES - SEE STRUCTURE
06 60 00	PLASTIC FABRICATIONS
06 65 00	SIMULATED WOOD TRIM
06 73 00.A1	1x6 COMPOSITE WOOD DECKING
06 82 00	MOLDED GLASS FIBER FABRICATIONS
06 82 00.A1	MOLDED GLASS FIBER TRIM
07 21 00.A1	RIGID BOARD INSULATION
07 21 00.B1	FIBERGLASS BATT INSULATION
07 21 00.B2	R-21 FIBERGLASS BATT INSULATION
07 21 00.G1	SPRAY-APPLIED CELLULOSE INSULATION
07 27 00	AIR BARRIERS
07 31 13.A2	ASPHALT COMPOSITION SHINGLE
07 31 13.B1	ROOFING FELT UNDERLAYMENT
07 46 33.A1	VINYL BOARD BATTEN SIDING
07 46 33.B1	VINYL SIDING
07 46 46.A1	MINERAL-FIBER CEMENT SIDING
07 62 00.E2	FORMED COPING
07 62 00.G1	FLASHING
07 62 00.G5	DRIP FLASHING
08 53 13.A1	VINYL WINDOW
09 21 16.G2	RESILIENT FURRING CHANNEL
09 21 16.M1	GYPSUM BOARD
09 21 16.M5	EXTERIOR GYPSUM SHEATHING
09 21 16.M6A	GYPSUM BOARD CEILING - REFER TO CLG. PLAN

#	DATE	CHANGE DESCRIPTION
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2	06/25/25	ADDENDUM# 02

COLUMBUS METROPOLITAN HOUSING AUTHORITY
COMMUNITY. COMMITMENT. COLUMBUSNOW.

THE FALLS ON REFUGEE ROAD
3355 REFUGEE ROAD. COLUMBUS, OH 43232
FOR
CMHA

Moody Nolan
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: 614-461-4664
CERT. NO: FIRM 00197475

DRAWING TITLE:
EXTERIOR DETAILS

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A442
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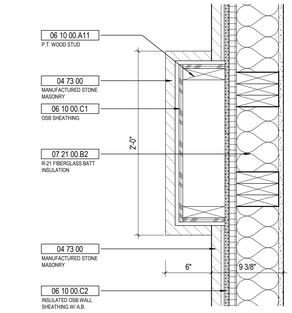
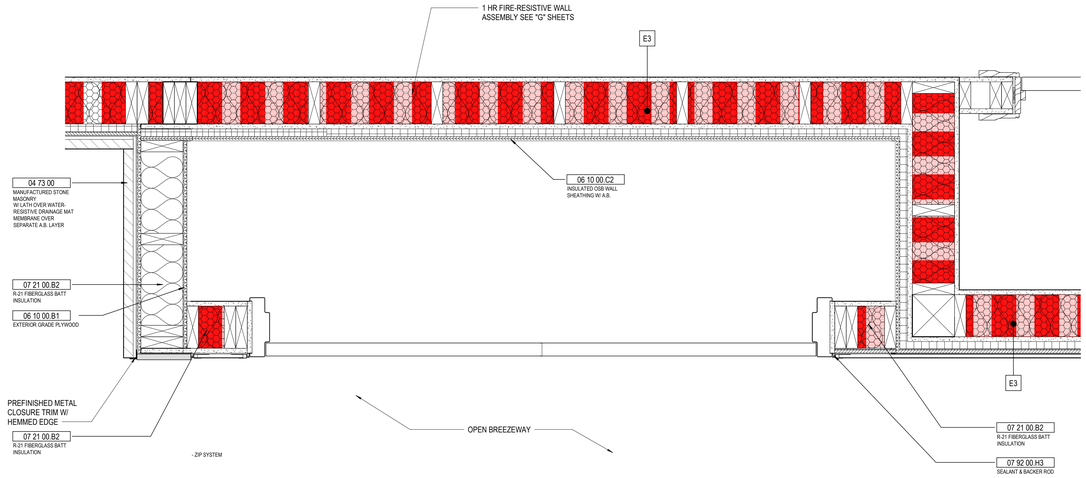
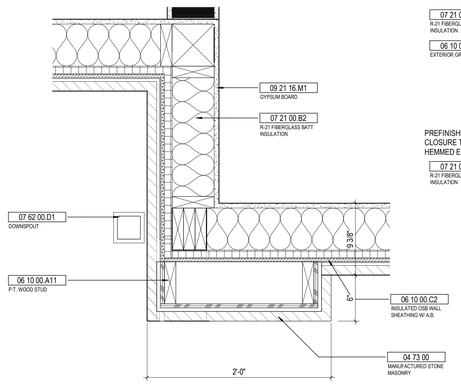


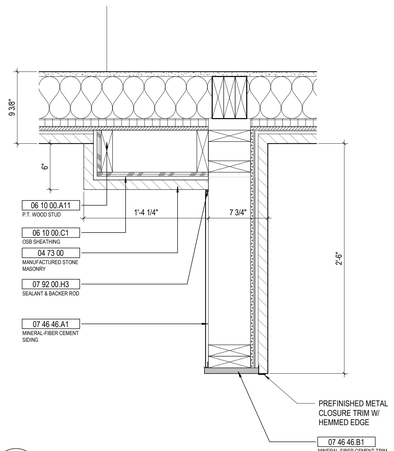
6 DETAIL CLUBHOUSE SIDE BREEZEWAY COLUMN
1 1/2" = 1'-0" REF: 1 / A106D



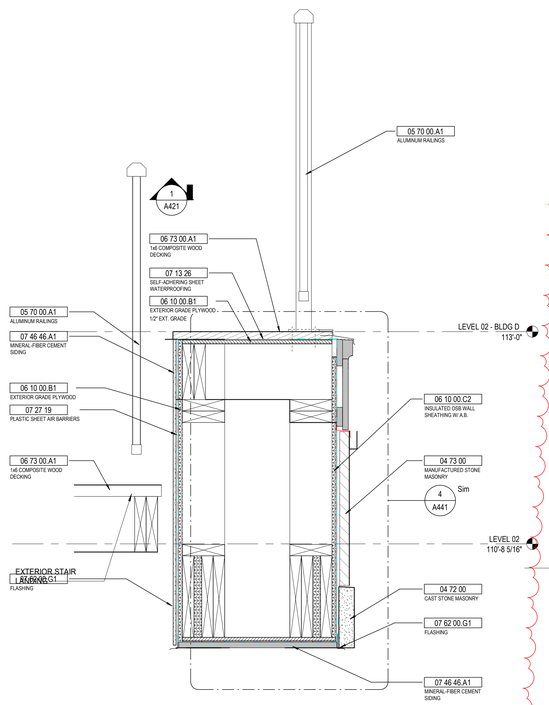
2 DETAIL SPRINKLER RM
1 1/2" = 1'-0" REF: 1 / A105C



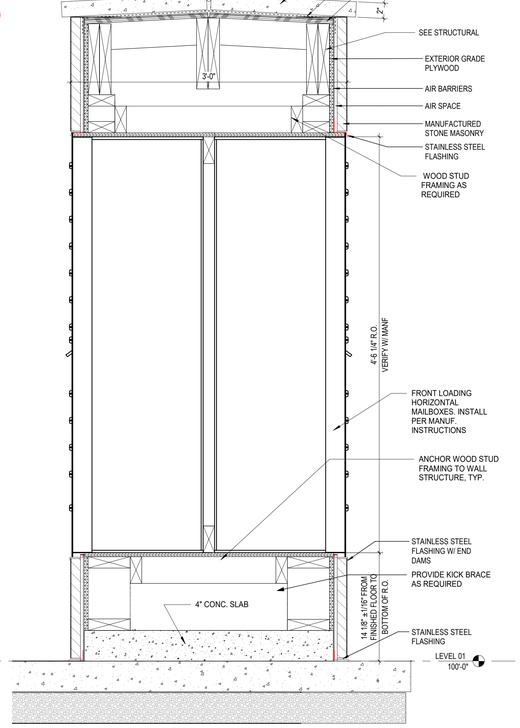
5 DETAIL CLUBHOUSE CORNER
1 1/2" = 1'-0" REF: 1 / A106D



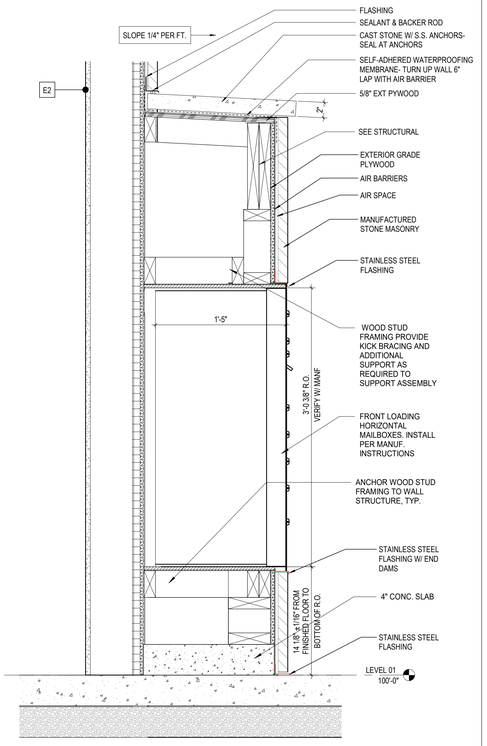
7 DETAIL CLUBHOUSE CORNER 2
1 1/2" = 1'-0" REF: 1 / A106D



4 DETAIL CH THRU BALCONY @ 2ND FLOOR
1 1/2" = 1'-0" REF: 1 / A423



3 DETAIL DOUBLE MAILBOXES
1 1/2" = 1'-0" REF: 5 / A310D



1 DETAIL SINGLE MAILBOXES
1 1/2" = 1'-0" REF: 6 / A310D

GENERAL NOTES - EXTERIOR DETAILS

1. X

KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT
04 00 00.X4	STAINLESS STEEL FLASHING
04 00 00.X17	STAINLESS STEEL FLASHING W/ END DAMS
04 00 00.Z1	AIR SPACE
04 72 00	CAST STONE MASONRY
04 73 00	MANUFACTURED STONE MASONRY
05 70 00.A1	ALUMINUM RAILINGS
06 10 00.A11	P.T. WOOD STUD
06 10 00.B1	EXTERIOR GRADE PLYWOOD
06 10 00.C1	OSB SHEATHING
06 10 00.C2	INSULATED OSB WALL SHEATHING W/ A.B.
06 73 00.A1	1x6 COMPOSITE WOOD DECKING
07 13 26	SELF-ADHERING SHEET WATERPROOFING
07 21 00.B2	R-21 FIBERGLASS BATT INSULATION
07 27 00	AIR BARRIERS
07 27 19	PLASTIC SHEET AIR BARRIERS
07 46 46.A1	MINERAL-FIBER CEMENT SIDING
07 46 46.B1	MINERAL-FIBER CEMENT TRIM
07 62 00.D1	DOWNSPOUT
07 62 00.G1	FLASHING
07 92 00.H3	SEALANT & BACKER ROD
09 21 16.M1	GYPSUM BOARD

#	DATE	CHANGE DESCRIPTION
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COLUMBUS METROPOLITAN HOUSING AUTHORITY
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FOR
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PHONE: 614-461-4664
CERT. NO: FIRM 00197475

DRAWING TITLE:
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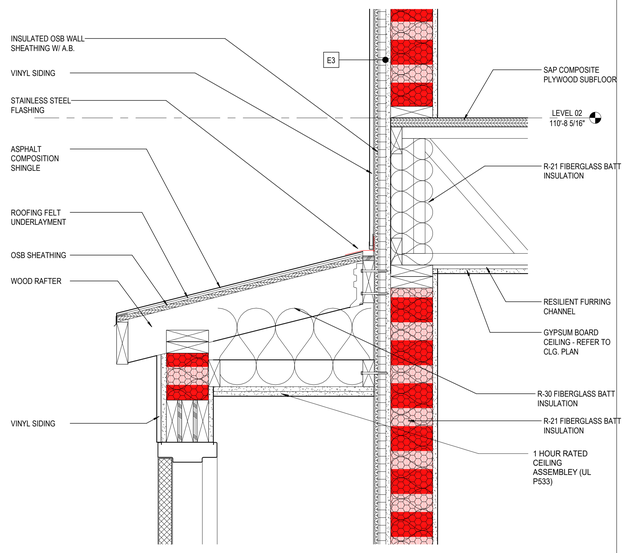

1 DETAIL ROOF @ SPRINKLER RM
1 1/2" = 1'-0" REF: 5 / A421

GENERAL NOTES - EXTERIOR DETAILS

1. X

KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT
04 00 00.X4	STAINLESS STEEL FLASHING
06 10 00.A5	WOOD RAFTER
06 10 00.B6	SAP COMPOSITE PLYWOOD SUBFLOOR
06 10 00.C1	OSB SHEATHING
06 10 00.C2	INSULATED OSB WALL SHEATHING W/ A.B.
07 21 00.B2	R-21 FIBERGLASS BATT INSULATION
07 21 00.B3	R-30 FIBERGLASS BATT INSULATION
07 31 13.A2	ASPHALT COMPOSITION SHINGLE
07 31 13.B1	ROOFING FELT UNDERLAYMENT
07 46 33.B1	VINYL SIDING
09 21 16.G2	RESILIENT FURRING CHANNEL
09 21 16.M6A	GYPSUM BOARD CEILING - REFER TO CLG. PLAN

#	DATE	CHANGE DESCRIPTION
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DOOR SCHEDULE - TYPICAL INTERIOR UNIT

REVISION	MARK	DOOR TYPE	DOOR WIDTH	DOOR HEIGHT	DOOR MATERIAL	DOOR ELEV	FRAME MATERIAL	FRAME ELEV	FIRE RATING	HDW SET	DETAILS-SHEET A710 (U.N.O.) HEAD	JAMB	SILL	REMARKS
	A1	UNIT ENTRY (INT.)	3'-0"	7'-0"	HM	AP	HM	1	1/3 HR	12	10	9	5, 8	
01	B1	BEDROOM	3'-0"	7'-0"	HWC	AP	WD	1	-	13	4	5	-	
01	C1	CLOSET	3'-0"	7'-0"	HWC	AP	WD	1	-	14	4	5	-	
01	C2	CLOSET	2'-6"	7'-0"	HWC	AP	WD	1	-	14	4	5	-	
01	C3	CLOSET	2'-0"	7'-0"	HWC	AP	WD	1	-	14	4	5	-	
01	C4	CLOSET - PAIR	5'-0"	7'-0"	HWC	AAP	WD	1	-	15	4	5	-	
01	T1	TOILET	3'-0"	7'-0"	HWC	AP	WD	1	-	13	4	5	-	
	P1	BALCONY	6'-0"	8'-0"	FG	SL	FG	1	-	16	-	-	-	
	P2	BALCONY - SWING	6'-0"	7'-0"	FG	SW	FG	1	-	16	-	-	-	

- PROVIDE DOOR STOPS (BASE OR HIDGE) PER HARDWARE SET SPECIFICATIONS.
- ALL DOOR WIDTHS IN OCCUPIED ROOMS OF BUILDING TO BE 32" MIN CLEAR.
- ALL DOORS PROVIDING ACCESS TO RESIDENTIAL SPACES TO BE PAINTED.
- ALL FULL LITE BALCONY DOORS TO RECEIVE WINDOW SHADES.
- SENSORY UNITS TO RECEIVE ROOM ANNUNCIATOR, HORN/STROBE, TRANSFORMER, & PUSH BUTTON (BOD: EDWARDS SIGNALING)

Division	Schedule Abbreviation	( )
08 11 13	Hollow Metal Doors and Frames	(HM)
08 14 00	Hollow Wood Door	(HWC)
08 16 13	Fiberglass Doors	(FG)
08 32 00	Sliding Glass Doors	(SG)
08 36 13	Steel Sectional Doors	(ST)
08 41 13	Aluminum-Framed Entrances and Storefronts	(SF)

UNIT FINISH SCHEDULE

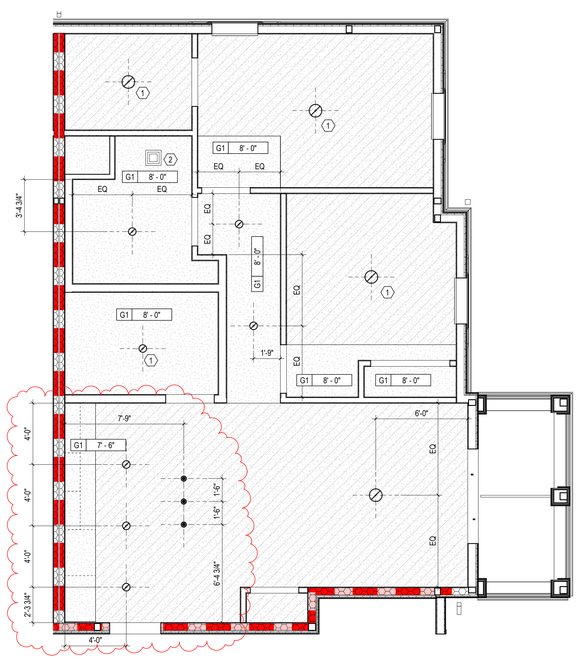
ROOM NAME	FLOOR FINISH	FLOOR COLOR	BASE FINISH	BASE COLOR	WALLS FINISH	WALLS COLOR	REMARKS	KEYED REMARKS
COAT	LVP	1	WD	PT-2	PT	1		
KITCHEN	LVP	1	WD	PT-2	PT / WT	1 / 2	WT @ KITCHEN BACKSPLASH	1, 2
LIVING	LVP	1	WD	PT-2	PT	1		
CLOSET	LVP	1	WD	PT-2	PT	1	NON-BEDROOM ADJACENT	
BEDROOM/CLOSET	CR	1	WD	PT-2	PT	1		
BATHROOM	LVP	1	WD	PT-2	PT	1		
LAUNDRY	LVP	1	WD	PT-2	PT	1		
LINEN	LVP	1	WD	PT-2	PT	1		
MECH	LVP	1	WD	PT-2	PT	1		

GENERAL NOTES:

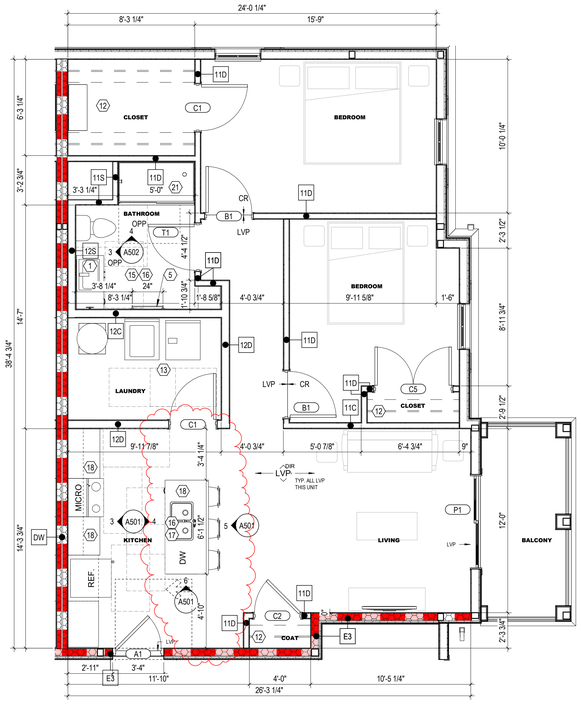
A. REFER TO "FINISH LEGEND-TYPICAL UNIT" FOR MATERIAL AND COLOR INFORMATION.
B. UNIT INTERIOR TRIM AND DOORS TO BE PAINTED PT-2.
C. CEILINGS TO BE PAINTED PT-6 ENTIRE UNIT. TYPICAL AT ALL UNITS.
D. CONTINUE FLOOR FINISH INTO KNEE SPACE OF REMOVABLE CABINETS, PAINT BACK WALL, INSTALL WALL BASE.
E. AT ALL EXTERIOR WINDOWS, INSTALL NEW BLINDS. TYPICAL AT ALL UNITS.
F. VB-X TO BE INSTALLED AT FRONT OF ALL SHOWERS.

KEYED REMARKS:

1. UNIT KITCHEN COUNTERTOP TO BE GRANITE. SEE FINISH LEGEND FOR COLOR.
2. ACCESSIBLE KITCHEN TO HAVE A TOP SET 6" HIGH x 3/4" THICK SQUARE EDGE BACKSPLASH. RECEPTACLES TO BE MOUNTED HORIZONTALLY IN THE BACKSPLASH (WHERE NOTED ON PLANS).

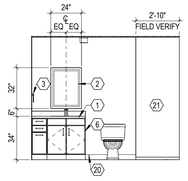


2 RCP 2 BED - UNIT (ANSI TYPE B)
1/4" = 1'-0"



1 ENLARGED PLAN 2 - BED UNIT (ANSI TYPE B)
1/4" = 1'-0" REF: 2 / A101A

4 ELEVATION BATHROOM 2 SHOWER WALL
1/4" = 1'-0" REF: 2 / 100-A



3 ELEVATION BATHROOM 2 WET WALL
1/4" = 1'-0" REF: 2 / 100-A

GENERAL NOTES - ENLARGED UNIT RCP

A. PAINT DESIGNATED FOR EXPOSED OVERHEAD STRUCTURE TO INCLUDE ALL EXPOSED COMPONENTS INCLUDING (BUT NOT EXCLUSIVE TO) DECKING, STRUCTURAL MEMBERS, MECHANICAL & ELECTRICAL DELIVERY SYSTEMS, FIRE PROTECTION SYSTEMS (EXCLUDING SPRINKLER HEADS), AND ALL OTHER MISC. BUILDING SYSTEMS LOCATED OVERHEAD. EACH OF THE AFOREMENTIONED CATEGORIES TO INCLUDE ANY AND ALL ASSOCIATED SUPPORTS, FASTENERS, HANGERS, STRUTS, BRACES, BRACKETS, ETC.
B. LIGHT FIXTURES SHOWN TO INDICATE PROPOSED FIXTURES & GENERAL DESIGN INTENT.
C. FINISHED CEILING HEIGHTS ARE FROM TOP OF FINISH FLOOR, U.N.O.
D. COORDINATE LOCATION OF FIXTURES WITH STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING AND FIRE SUPPRESSION DRAWINGS. ANY CONFLICT BETWEEN TRADES, NOTIFY ARCHITECT PRIOR TO INSTALLATION.
E. FACE OF BULKHEADS SHALL ALIGN WITH FACE OF ADJACENT WALLS TO WHICH BULKHEADS ARE PARALLEL, U.N.O. OR DIMENSIONED.
F. PAINT DUCTWORK INSIDE AIR GRILLES FLAT COLOR.
G. ALL GYPSUM BOARD SOFFITS & CEILINGS TO BE PAINTED FLAT CEILING WHITE, U.N.O.
H. CEILING GRIDS ARE CENTERED ON ROOM, U.N.O. OR DIMENSIONED.
I. ALL CEILING DEVICES TO BE CENTERED IN TILE, U.N.O.
J. WHERE EXIT SIGNS OCCUR OVER A DOOR OR PAIR OF DOORS, CENTER SIGN ON DOOR OPENING.
K. GYPSUM BOARD CEILINGS FRAMED TO THE UNDERSIDE OF WOOD TRUSSES SHALL BE INSTALLED TIGHT TO THE BOTTOM CHORD WITH A 1/2 INCH RESILIENT CHANNEL. CEILINGS BELOW 2x WOOD FRAMING SHALL MATCH THE HEIGHT OF THE CEILINGS BELOW THE WOOD TRUSSES UNLESS NOTED OTHERWISE. ALL CEILING ASSEMBLIES AND WALLS MUST MAINTAIN THE INTEGRITY OF THE FIRE RATED CEILING ASSEMBLIES.
L. SEE ELECTRICAL DRAWINGS FOR REQUIRED ELECTRICAL DEVICES. OVERALL FLOOR RCP'S SHOW GENERAL LOCATION OF CANS IN PUBLIC CORRIDORS.
M. CONTINUE RATED GYPSUM BOARD ABOVE ANY DROP CEILINGS AND SOFFITS.
N. COORDINATE FINAL SOFFIT LOCATION WITH FINAL CABINET LAYOUT.

GENERAL NOTES - INTERIOR ELEVATIONS

A. ALL DIMENSIONS ARE TO FACE OF WALL (UNLESS NOTED OTHERWISE).
B. SEE FINISH PLANS AND LEGEND FOR ADDITIONAL INFORMATION OF LOCATIONS AND TYPES OF FINISH MATERIALS.
C. ALL MOUNTING HEIGHTS ARE ABOVE FINISHED FLOOR (AFF). SEE SHEET A800.
D. REFER TO PME DRAWINGS FOR OTHER REQUIREMENTS NOT SHOWN ON INTERIOR ELEVATIONS. NOTIFY ARCHITECT OF DISCREPANCIES FOR CLARIFICATION.
E. PROVIDE BLIND CABINETS WHERE APPLICABLE.
F. CONTRACTOR TO PROVIDE BLOCKING IN WALL AS REQUIRED FOR ALL OWNER FURNISHED WALL MOUNTED EQUIPMENT AND ACCESSORIES. COORDINATE FINAL LOCATION WITH OWNER.
G. PROVIDE SCRIBES / FILLERS BETWEEN ALL WALLS AND CABINET ENDS, U.N.O. PROVIDE MINIMUM 2" FILLERS BETWEEN THE CORNER CABINETS IN AN "L" SHAPE CONFIGURATION.
H. PROVIDE CORNER CLOSURE PIECE UNDER THE WALL CABINETS IN AN "L" SHAPE CONFIGURATION.
I. WALL BASE AND WALL FINISH ARE TO EXTEND BEHIND EQUIPMENT
J. COORDINATE LOCATIONS OF GROMMETS WHERE NECESSARY FOR COMPUTER CORDS WITH OWNER, U.N.O.
K. CASEWORK MANUFACTURER SHALL VERIFY/MEASURE ALL FIELD CONDITIONS PRIOR TO FABRICATION OF CASEWORK / COUNTERTOPS. ANY ALTERATION TO CASEWORK REQUIRES AS A RESULT OF FIELD CONDITIONS SHALL BE APPROVED BY THE ARCHITECT AND OWNER PRIOR TO FABRICATION OR INSTALLATION. CASEWORK MANUFACTURER SHALL COORDINATE WITH CONTRACTOR INSTALLATION OF BLOCKING.
L. PROVIDE FINISHED ENDS/SIDES OF ALL EXPOSED END CABINETS.

(#) CODED NOTES - ENLARGED UNIT PLANS / INTERIOR ELEVATIONS

NOTE: SEE GENERAL NOTES, SPECIFICATIONS AND PROJECT DETAILS SHEETS FOR MOUNTING HEIGHT REQUIREMENTS AND ADDITIONAL INFO.

1. VANITY COUNTER WITH RADIUSED CORNERS, INTEGRAL BOWL AND BACKSPLASH. ALL VANITY COUNTERS AND SINK RIM TO BE AT 34" MAX A.F.F. PROVIDE PLUMBING PIPING PROTECTION AS REQUIRED PER CODE.
2. SQUARE EDGE LIGHTED VANITY MIRROR, REFER TO ELECTRICAL DRAWINGS. REVIEW FINAL SIZE WITH OWNER. MOUNT CENTERED ABOVE VANITY SINK.
3. TOWEL RING, 1 PER BATH.
4. SHOWER CURTAIN ROD. PROVIDE BLOCKING AS REQUIRED.
5. TOWEL BAR, MIN. 1 PER BATH.
6. FINISH END OR BACK PANEL, TYPICAL.
7. WC GRAB BARS.
8. SHOWER/ TUB GRAB BARS.
9. TOILET PAPER HOLDER, 1 PER BATH.
10. PREFABRICATED TUB. IN ANSI TYPE A UNITS, PROVIDE REINFORCED GRAB BARS AND REMOVABLE IN-TUB SEAT. SEE PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
11. ROBE HOOK, 1 PER BATH, MOUNTED ON INSIDE OF BATH DOOR, CENTERED.
12. CLOSET SHELF. SEE UNIT DETAILS FOR TYPE BY LOCATION.
13. FRONT LOAD MACHINES REQUIRED PER ANSI A117.1-2017 (1104.10(C))
14. ANSI TYPE A UNITS: RANGE WITH FRONT MOUNTED CONTROLS. TOP SURFACE OF RANGE TO BE MOUNTED FLUSH WITH ADJACENT COUNTER HEIGHT. PROVIDE SKIRT BELOW RANGE AS NEEDED.
15. IN BATHS REQUIRED TO BE ACCESSIBLE, PROVIDE AND INSTALL IN WALL BLOCKING AND GRAB BARS AT BATHING FIXTURES AND TOILETS. IN NON-ACCESSIBLE BATHS AND AT ALL TYPICAL UNIT BATHS, PROVIDE IN-WALL BLOCKING FOR FUTURE INSTALLATION OF GRAB BARS AT BATHING FIXTURE AND TOILET LOCATIONS.
16. REMOVABLE BASE CABINET SINK BASES AT ALL UNITS IN KITCHENS AND BATHS, LEVER CONTROLS FOR ALL KITCHEN AND BATH FAUCETS. FLOOR FINISH TO EXTEND BELOW CABINETRY. WALLS BEHIND AND SURROUNDING THE CABINETRY
17. AIR SWITCH FOR GARBAGE DISPOSAL. COORDINATE LOCATION WITH PLUMBING.
18. KITCHEN COUNTER WITH COUNTERTOP METAL SUPPORTS, WITH EASED EDGES. TOP OF COUNTER AT 34" A.F.F. IN ANSI TYPE A UNITS AND 36" A.F.F. IN ANSI TYPE B UNITS, TYPICAL.
19. TILE BACKSPLASH.
20. WALL BASE. REFER TO FINISH SCHEDULE.
21. PREFABRICATED SHOWER ENCLOSURE. SEE PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.

GENERAL NOTES - ENLARGED UNIT PLANS

A. ALL DIMENSIONS ARE TO FINISH FACE OF WALL U.N.O.
B. WALLS ARE 2x WOOD FRAMING U.N.O. SEE SHEET G200 FOR PARTITION INFO.
C. EXTERIOR WALL CONDITIONS VARY. REFER TO OVERALL FLOOR PLAN SHEETS FOR EXTERIOR WALL AND WINDOW CONDITIONS.
D. SEE FINISH SCHEDULE FOR ADDITIONAL INFORMATION OF LOCATIONS AND TYPES OF FINISH MATERIALS.
E. ALL UNITS TYPICAL UNLESS NOTED OTHERWISE. SEE ENLARGED FLOOR PLANS FOR UNIT TYPE AND ADDITIONAL INFORMATION.
F. RESIDENTIAL UNITS: TYPE B DENOTES ANSI TYPE B AND TYPE A DENOTES ANSI TYPE A. UNITS SHALL COMPLY WITH THE ACCESSIBILITY REQUIREMENTS REFERENCED ON THE CODE INFORMATION. THIS INCLUDES BUT IS NOT LIMITED TO ANSI A117.1- 2017. ALL FIRST FLOOR UNITS TO BE ANSI TYPE A OR TYPE B.
G. ACCESSIBLE ROUTE WIDTH WITHIN UNITS SHALL BE 36" MINIMUM, CONTINUOUS AND UNOBSTRUCTED, CONNECTING ACCESSIBLE ELEMENTS AND SPACES.
H. PROVIDE WOOD BLOCKING ON ALL RESIDENTIAL TYPE A AND TYPE B UNITS IN BATHS AND AS INDICATED ON UNIT DETAILS SHEETS (A820 SERIES). SEE A100 AND A500 SERIES SHEETS FOR TYPE A & B UNIT LOCATIONS AND LAYOUTS. ALL UNITS TO RECEIVE BLOCKING FOR GRAB BARS (TYPE A UNITS) AND FUTURE GRAB BARS (TYPE B UNITS). SEE UNIT DETAILS SHEETS ON FOR LENGTHS AND LOCATIONS OF GRAB BARS.
I. PROVIDE WOOD BLOCKING AS REQUIRED TO MOUNT MILLWORK, MEP DEVICES AND ALL FIXTURES.
J. ALL DOOR OPENINGS INTO USABLE / OCCUPIED ROOMS IN RESIDENTIAL AND PUBLIC AREAS SHALL BE MINIMUM 32 INCHES CLEAR OR GREATER.
K. COORDINATE TRUSS LAYOUT AND DESIGN WITH MECHANICAL, ELECTRICAL AND PLUMBING LAYOUT PRIOR TO FABRICATION. TRUSS SHOP DRAWINGS SHALL INDICATE PLUMBING LINES AND HVAC DUCTS. PROVIDE COORDINATION DRAWING TO ARCHITECT. FRAMING CONTRACTOR SHALL COORDINATE TRUSS FRAMING OFFSETS AS REQUIRED TO ACCOMMODATE SANITARY LINES AND OTHER MEP EQUIPMENT / FIXTURES.
L. INSTALL ACOUSTIC BATT INSULATION AT PARTITIONS WITH PLUMBING STACKS, DEMISING WALLS AND FLOOR / CEILING ASSEMBLIES.
M. REFER TO MEP DWGS. FOR LOCATION OF ERV UNITS AT ALL DWELLING UNITS.
N. WATER SUPPLY AND DRAIN PIPES UNDER LAVATORIES AND SINKS MUST BE INSULATED TO PROTECT AGAINST CONTACT, INCLUDING COLD WATER SUPPLIES. PROVIDE SPRAY FOAM INSULATION AT DEMISING AND EXTERIOR WALLS AT LOCATIONS AROUND PLUMBING INSTALLATIONS. PROVIDE A VALANCE AT AREAS WITH EXPOSED SINK DRAINS. SEE UNIT DETAILS SHEETS FOR REQUIREMENTS.
O. HORIZONTAL OFFSETS IN PLUMBING DRAIN PIPES: PROVIDE ACOUSTIC PIPE INSULATION, REFER TO PLUMBING DRAWINGS.
P. RESIDENTIAL UNITS TO RECEIVE A STANDARD SHOWER WITH DOOR OR TUB AS NOTED IN PLANS (TYPE B UNITS AND NON-ACCESSIBLE BATH IN TYPE A UNITS). BATH TUBS WITH REMOVABLE SEATS (ACCESSIBLE BATH IN TYPE A UNITS). BLOCKING FOR INSTALLATION OF GRAB BARS AND OTHER SHOWER FIXTURES TO BE FACTORY INSTALLED IN PREFABRICATED UNITS. WALL ROUGH FRAMING DIMENSION REQUIREMENTS MUST BE COORDINATED WITH SELECTED SHOWER UNIT. NOTE THAT THESE DIMENSIONS TEND TO VARY PER MANUFACTURER. SEE UNIT DETAILS SHEETS FOR LAYOUT OF SHOWER BLOCKING AND FIXTURES. SEE PLUMBING DRAWINGS FOR EXACT DIMENSIONS REQUIRED AND FIXTURE INFO.
Q. PROVIDE BLOCKING FOR CURVED SHOWER RODS. LOCATED DIRECTLY ABOVE THE TOP OF THE TUB ENCLOSURE (WITHOUT DOORS).
R. LAUNDRY ROOM DRYER VENTING LOCATIONS SHALL BE COORDINATED WITH ARCHITECT. ROUTING SHALL NOT EXCEED 35 FEET WITH ONLY ONE BEND. LABEL LENGTH OF ANY DRYER VENTING DUCT ON THE LAUNDRY ROOMS PER REQUIREMENT BY THE CITY OF COLUMBUS.
S. INSTALL LOOP HANDLE PULLS ON ALL CASEWORK.
T. RANGES IN TYPE A UNITS ARE SLIDE-IN TYPE WITH FRONT CONTROLS IN ACCESSIBLE REACH RANGES. USE OF OVEN AND RANGE CONTROLS MUST NOT REQUIRE REACHING ACROSS THE BURNERS. SEE THE SPECIFICATIONS FOR APPLIANCE REQUIREMENTS. COOKTOP TO ALIGN WITH TOP OF COUNTERTOP.
U. MEP OPERABLE CONTROLS, FIXTURES, OUTLETS AND OTHER RESIDENTIAL TOILET OR UNIT ACCESSORIES SHALL BE MOUNTED NO LOWER THAN 18 INCHES AFF OR HIGHER THAN 48 INCHES. SEE UNIT DETAILS SHEETS FOR ADDITIONAL MOUNTING REQUIREMENTS.
V. ALL UNIT RANGE HOODS TO BE DUCTED AND VENTED TO EXTERIOR. SEE ELECTRICAL INFORMATION. INSTALL PER ENERGY-STAR CERTIFICATION AND LEED REQUIREMENTS.
W. ALL UNIT APPLIANCES INCLUDED IN BASE BID, SEE SPECS. UNIT APPLIANCES TO BE STAINLESS STEEL AND ENERGY-STAR CERTIFIED WHERE APPLICABLE.
X. ALL UNIT PLUMBING FIXTURES TO BE WATERSENSE-RATED. SEE PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
AA. FOR KITCHEN ELECTRIC OUTLET RECEPTACLES, THE MAXIMUM ALLOWABLE HEIGHT TO THE CENTERLINE OF AN OUTLET IS 46 INCHES AFF WHEN REACHING OVER AN OBSTRUCTION 36 INCHES HIGH MAXIMUM AND 25-1/2 INCHES DEEP MAXIMUM. OUTLETS MUST BE A MINIMUM OF 36 INCHES FROM AN INSIDE CORNER OR 12 INCHES FROM END WALL.
BB. THERMOSTATS, SWITCHES, ELECTRIC OUTLETS, ELECTRICAL PANELBOARDS AND OTHER OPERABLE PARTS MUST BE LOCATED WITHIN AN ACCESSIBLE REACH RANGE FROM 15 INCHES TO 48 INCHES AFF FOR UNOBSTRUCTED REACH.
CC. IN ANSI TYPE A UNITS, SWITCHES, ELECTRICAL OUTLETS & PANELS, THERMOSTATS AND OTHER ENVIRONMENTAL CONTROLS MUST BE IN ACCESSIBLE LOCATIONS. KITCHENS AND BATHROOMS MUST BE USABLE.
DD. ELECTRICAL PANELS ON ANSI TYPE A AND FIRST FLOOR ANSI TYPE B RESIDENTIAL UNITS SHALL BE INSTALLED SO THE OPERABLE COMPONENTS ARE NO HIGHER THAN 48 INCHES A.F.F. OR LOWER THAN 18 INCHES A.F.F.
EE. KITCHEN SINKS AT TYPE A UNITS SHALL INCLUDE REAR DRAINED SINKS TO ACCOMMODATE DISPOSALS. SINK BOWL SHALL NOT BE DEEPER THAN 6 1/2 INCHES.
FF. PROVIDE LEVER CONTROLS FOR ALL KITCHEN AND BATH FAUCETS.
GG. AT TYPE A UNITS, THE FLUSH CONTROL FOR THE WATER CLOSET WILL BE LOCATED ON THE OPEN SIDE (AWAY FROM THE SIDE WALL).
HH. WHERE REQUIRED, INSTALL ANY MEP DEVICES / FIXTURES SO THE INTEGRITY OF RATED WALL IS MAINTAINED. CONTINUE TYPE X GYPSUM BOARD ASSEMBLY BEHIND MEP DEVICE / FIXTURE.
II. EXTEND FINISH FLOOR MATERIAL UNDER KITCHEN APPLIANCES, VANITY IN ALL BATHS AND UNDERNEATH REMOVABLE UNIVERSAL BASE CABINETS. ALL CABINET SURFACES VISIBLE INCLUDING AREAS EXPOSED AFTER REMOVING REMOVABLE BASE CABINETS MUST BE COVERED BY FINISHED END PANELS TO MATCH ADJACENT CASEWORK. EXPOSED SIDES OF CABINETS MUST BE COVERED BY FINISHED END PANELS TO MATCH ADJACENT CASEWORK.
JJ. SIDES OF RANGE OR OPEN WORK AREAS BELOW BASE CABINETS MUST BE COVERED BY FINISHED END PANELS TO MATCH ADJACENT CASEWORK. EXPOSED SIDES OF WALL AND BASE CABINETS SHALL HAVE FINISH PANELS ON ALL EXPOSED TO VIEW.
KK. UNIT FLOOR FINISHES TO BE 'WOOD-LOOK' RESILIENT FLOORING IN ALL ROOMS. SEE UNIT DETAILS SHEETS AND FINISH PLANS (A900 SERIES) FOR EXTENT OF FINISHES AT ALL UNITS.
LL. PROVIDE ONE MIRROR FOR EACH UNIT BATH. MIRROR WIDTH AS SHOWN ON BATH ELEVATIONS, TYPICAL. SEE UNIT DETAILS SHEETS (A820 SERIES) AND MOUNTING HEIGHTS (A500) FOR MOUNTING REQUIREMENTS AND SPECIFICATIONS FOR ALL OTHER REQUIRED TOILET ACCESSORIES.
MM. SEE UNIT DETAILS SHEETS FOR MOUNTING HEIGHTS AND OTHER DIMENSIONS REQUIRED FOR PLUMBING AND OTHER FIXTURES REQUIRED.
NN. ALL RESIDENTIAL UNIT WINDOWS TO RECEIVE WINDOW TREATMENTS AS NOTED IN FINISH SCHEDULE.
OO. PROVIDE ONE DOOR VIEWER AT THE TYPE B UNIT ENTRY DOOR AND TWO DOOR VIEWERS AT THE TYPE A UNIT ENTRY DOOR.
PP. WIRE SHELVING SHALL BE PROVIDED FOR ENTIRE WIDTH OF THE CLOSET AS FOLLOWS: BEDROOM & COAT CLOSET (1 SHELF AND ROD FIXED),BEDROOM WALK IN CLOSET(2 SHELVS AND ROD FIXED) LINEN CLOSET (5 SHELF, ADJUSTABLE), UTILITY (1 SHELF, FIXED). SEE UNIT DETAILS SHEETS FOR MOUNTING HEIGHT REQUIREMENTS.
QQ. ALL RESIDENTIAL UNITS TO RECEIVE GRANITE (3CM) KITCHEN COUNTERTOPS (ST-1) WITH SUBWAY TILE BACKSPLASH. BATHS TO RECEIVE CULTURED MARBLE COUNTERTOPS WITH INTEGRAL BOWLS.
RR. IN TYPE A UNITS, ALL COUNTERTOPS TO BE SET AT 34 INCHES MAXIMUM HEIGHT TO THE TOP OF KITCHEN OR BATH SINK RIM. ON TYPE B UNITS, ALL VANITY COUNTERTOPS TO BE SET AT 34 INCHES MAXIMUM HEIGHT TO THE TOP OF BATH SINK RIM.
SS. AT TYPE A UNIT COUNTERTOPS, MOUNT CENTER OF WALL RECEPTACLES ABOVE COUNTER, NO HIGHER THAN 40 INCHES A.F.F. COORDINATE WITH CASEWORK ELEVATIONS. SEE UNIT DETAILS SHEETS.
TT. UNITS MAY BE OPPOSITE HAND OF THOSE SHOWN ON ENLARGED UNIT PLANS AND RCP'S. SEE OVERALL FLOOR PLANS FOR LOCATIONS AND ORIENTATION OF UNITS.
UU. REQUIRED 30"x52" CLEAR FLOOR SPACE - 52" SHALL BE CENTERED AT APPLIANCES AND SINKS.

(RM) CODED NOTES - ENLARGED UNIT RCP

1. CENTER FIXTURE IN ROOM/HALL
2. CENTER EXHAUST FAN ABOVE SHOWER/TUB
3. ALIGN FIXTURES

LEGEND - ENLARGED UNIT PLANS

- ANSI TYPE A UNIT. UNITS TO ALSO INCLUDE SENSORY UNIT FEATURES. SEE OVERALL PLANS FOR UNIT LOCATIONS.
- SENSORY UNIT (HEARING / VISUALLY IMPAIRED) - PROVIDE REQUIRED AUDIBLE AND VISUAL ALARMS. SEE OVERALL PLANS FOR UNIT LOCATIONS.
- ACCESSIBLE CLEARANCE APPROACH
- ACCESSIBLE TURNING CLEARANCE
- DOOR SWING CLEARANCE
- ACCESSIBLE ROUTE, 36" MINIMUM, UNOBSTRUCTED CLEARANCE PATH OF EGRESS
- PAPER-FACED MOISTURE RESISTANT GYP BOARD (MR)
- PAPERLESS GYPSUM BOARD (PGB)

LEGEND - ENLARGED UNIT RCP

- G1 GYPSUM BOARD CEILING OR SOFFIT (RATED CEILING INSTALLED DIRECTLY TO STRUCTURE)
- G2 RATED GYPSUM BOARD CEILING OR SOFFIT (ADDITIONAL LOWER CEILING)
- FLOOR AND ROOF TRUSS ASSEMBLY SYSTEM
- VINYL SOFFIT
- 2x2 SURFACE MOUNTED LIGHT FIXTURE (SHADING DENOTES EMERGENCY FIXTURE)
- SURFACE MOUNTED LIGHT FIXTURE (SHADING DENOTES EMERGENCY FIXTURE)
- SURFACE MOUNTED LIGHT FIXTURE (UNIT)
- PENDANT LIGHT FIXTURE
- SUSPENDED LINEAR LIGHT FIXTURE
- WALL MOUNTED VANITY LIGHT FIXTURE
- SUPPLY DIFFUSER
- LINEAR DIFFUSER
- EXHAUST/RETURN GRILLE
- ACCESS PANEL
- XX XX'-XX" CEILING TAG WITH HEIGHT

NOTE: COORDINATE ARCHITECTURAL REFLECTED CEILING PLANS WITH THE MECHANICAL AND ELECTRICAL DRAWINGS FOR NUMBER OF, AND LOCATIONS OF, AND TYPES OF FIXTURES AND GRILLES. NOT ALL ITEMS SHOWN ON LEGEND MAY BE PRESENT IN PROJECT.

#	DATE	CHANGE DESCRIPTION
1	06/11/25	ADDENDUM# 01
2	06/25/25	ADDENDUM# 02

COLUMBUS METROPOLITAN HOUSING AUTHORITY
COMMUNITY. COMMITMENT. COLLABORATION.

THE FALLS ON REFUGEE ROAD
3355 REFUGEE ROAD. COLUMBUS, OH 43232
FOR
CMHA

Moody Nolan
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: 614-461-4664
CERT. NO: FIRM 00197475

DRAWING TITLE:

ENLARGED UNIT PLANS - 2 BED

PROGRESS DRAWING NOT FOR CONSTRUCTION	05/01/2025
	23446
	A502
	CD PROGRESS SET

REVIT VERSION: 2023
PRINT DATE: 6/26/2025 2:05:23 PM
FILE INFO: - Autodesk Docs://23446_CMHA Refugee Rd Housing Dvpmt - R23/23446_CMHA Refugee Rd Housing_ARCH_R23.rvt

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UNIT FINISH SCHEDULE

ROOM NAME	FLOOR		BASE		WALLS		REMARKS	KEYED REMARKS
	FINISH	COLOR	FINISH	COLOR	FINISH	COLOR		
COAT	LVP	1	WD	PT-2	PT	1		
KITCHEN	LVP	1	WD	PT-2	PT / WT	1 / 2	WT @ KITCHEN BACKSPLASH	1, 2
LIVING	LVP	1	WD	PT-2	PT	1		
CLOSET	LVP	1	WD	PT-2	PT	1	NON-BEDROOM ADJACENT	
BEDROOM/CLOSET	CR	1	WD	PT-2	PT	1		
BATHROOM	LVP	1	WD	PT-2	PT	1		
LAUNDRY	LVP	1	WD	PT-2	PT	1		
LINEN	LVP	1	WD	PT-2	PT	1		
MECH	LVP	1	WD	PT-2	PT	1		

GENERAL NOTES:

A. REFER TO "FINISH LEGEND-TYPICAL UNIT" FOR MATERIAL AND COLOR INFORMATION.
B. UNIT INTERIOR TRIM AND DOORS TO BE PAINTED PT-2.
C. CEILINGS TO BE PAINTED PT-6 ENTIRE UNIT. TYPICAL AT ALL UNITS.
D. CONTINUE FLOOR FINISH INTO KNEE SPACE OF REMOVABLE CABINETS, PAINT BACK WALL, INSTALL WALL BASE.
E. AT ALL EXTERIOR WINDOWS, INSTALL NEW BLINDS. TYPICAL AT ALL UNITS.
F. VB-X TO BE INSTALLED AT FRONT OF ALL SHOWERS.

KEYED REMARKS:

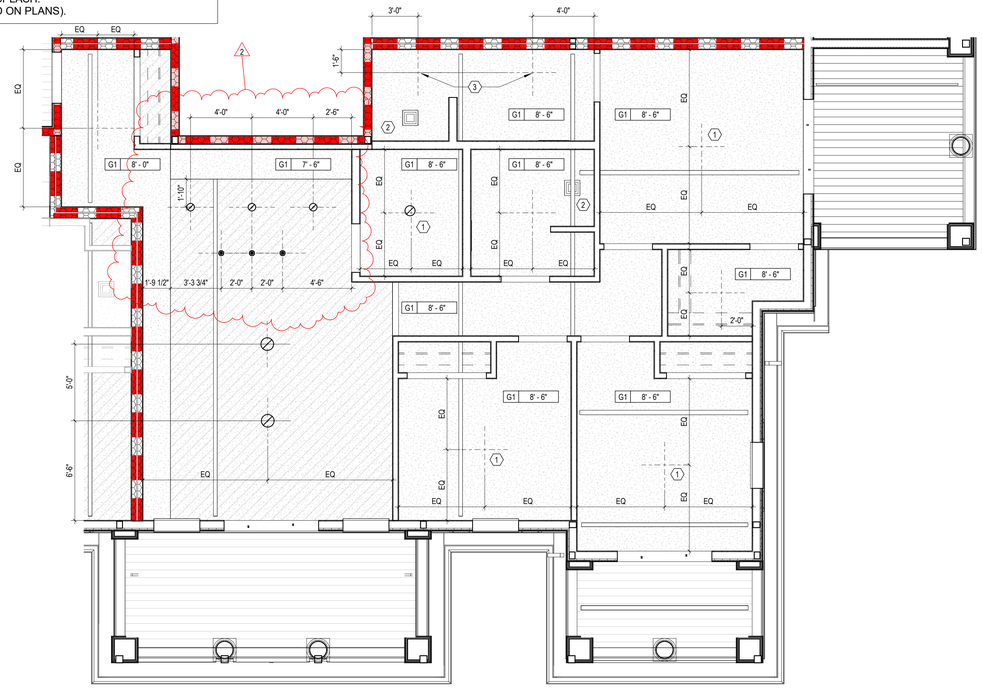
1. UNIT KITCHEN COUNTERTOP TO BE GRANITE. SEE FINISH LEGEND FOR COLOR.
2. ACCESSIBLE KITCHEN TO HAVE A TOP SET 6" HIGH x 3/4" THICK SQUARE EDGE BACKSPLASH. RECEPTACLES TO BE MOUNTED HORIZONTALLY IN THE BACKSPLASH (WHERE NOTED ON PLANS).

DOOR SCHEDULE - TYPICAL INTERIOR UNIT

REVISION	MARK	DOOR TYPE	DOOR WIDTH	DOOR HEIGHT	DOOR MATERIAL	DOOR ELEV	FRAME MATERIAL	FRAME ELEV	FIRE RATING	HDW SET	DETAILS-SHEET A710 (U.N.O.) HEAD	JAMB	SILL	REMARKS
	A1	UNIT ENTRY (INT.)	3'-0"	7'-0"	HM	AP	HM	1	1/3 HR	12	10	9	5, 8	
01	B1	BEDROOM	3'-0"	7'-0"	HWC	AP	WD	1	-	13	4	5	-	
01	C1	CLOSET	3'-0"	7'-0"	HWC	AP	WD	1	-	14	4	5	-	
01	C2	CLOSET	2'-6"	7'-0"	HWC	AP	WD	1	-	14	4	5	-	
01	C3	CLOSET	2'-0"	7'-0"	HWC	AP	WD	1	-	14	4	5	-	
01	C4	CLOSET - PAIR	5'-0"	7'-0"	HWC	AAP	WD	1	-	15	4	5	-	
01	T1	TOILET	3'-0"	7'-0"	HWC	AP	WD	1	-	13	4	5	-	
	P1	BALCONY	6'-0"	8'-0"	FG	SL	FG	1	-	16	-	-	-	
	P2	BALCONY - SWING	6'-0"	7'-0"	FG	SW	FG	1	-	16	-	-	-	

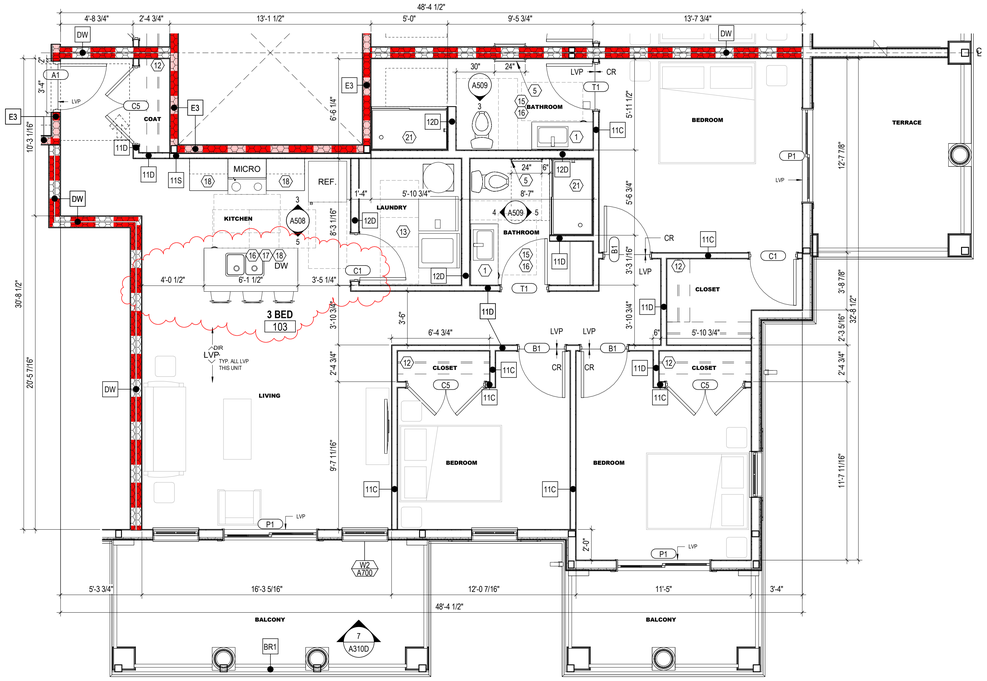
- PROVIDE DOOR STOPS (BASE OR HIDGE) PER HARDWARE SET SPECIFICATIONS.
- ALL DOOR WIDTHS IN OCCUPIED ROOMS OF BUILDING TO BE 32" MIN CLEAR.
- ALL DOORS PROVIDING ACCESS TO RESIDENTIAL SPACES TO BE PAINTED.
- ALL FULL LITE BALCONY DOORS TO RECEIVE WINDOW SHADES.
- SENSORY UNITS TO RECEIVE ROOM ANNUNCIATOR, HORN/STROBE, TRANSFORMER, & PUSH BUTTON (BOD: EDWARDS SIGNALING)

Division	Schedule Abbreviation	( )
08 11 13	Hollow Metal Doors and Frames	(HM)
08 14 00	Hollow Wood Door	(HWC)
08 16 13	Fiberglass Doors	(FG)
08 32 00	Sliding Glass Doors	(SG)
08 36 13	Steel Sectional Doors	(ST)
08 41 13	Aluminum-Framed Entrances and Storefronts	(SF)



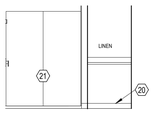
2 RCP 3 BEDROOM UNIT ABOVE CLUBHOUSE

1/4" = 1'-0"



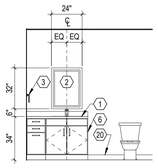
1 ENLARGED PLAN 3 BEDROOM UNIT ABOVE CLUBHOUSE

1/4" = 1'-0" REF: 2 / A106D



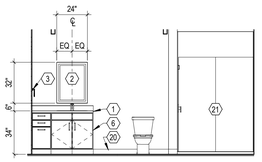
5 ELEVATION BATHROOM 6 SHOWER WALL

1/4" = 1'-0" REF: 2 / 102-D



4 ELEVATION BATHROOM 6 WET WALL

1/4" = 1'-0" REF: 2 / 102-D



3 ELEVATION BATHROOM 5 SHOWER WALL

1/4" = 1'-0" REF: 2 / 102-D

GENERAL NOTES - ENLARGED UNIT RCP

A. PAINT DESIGNATED FOR EXPOSED OVERHEAD STRUCTURE TO INCLUDE ALL EXPOSED COMPONENTS INCLUDING (BUT NOT EXCLUSIVE TO) DECKING, STRUCTURAL MEMBERS, MECHANICAL & ELECTRICAL DELIVERY SYSTEMS, FIRE PROTECTION SYSTEMS (EXCLUDING SPRINKLER HEADS), AND ALL OTHER MISC. BUILDING SYSTEMS LOCATED OVERHEAD. EACH OF THE AFOREMENTIONED CATEGORIES TO INCLUDE ANY AND ALL ASSOCIATED SUPPORTS, FASTENERS, HANGERS, STRUTS, BRACES, BRACKETS, ETC.
B. LIGHT FIXTURES SHOWN TO INDICATE PROPOSED FIXTURES & GENERAL DESIGN INTENT.
C. FINISHED CEILING HEIGHTS ARE FROM TOP OF FINISH FLOOR, U.N.O.
D. COORDINATE LOCATION OF FIXTURES WITH STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING AND FIRE SUPPRESSION DRAWINGS. ANY CONFLICT BETWEEN TRADES, NOTIFY ARCHITECT PRIOR TO INSTALLATION.
E. FACE OF BULKHEADS SHALL ALIGN WITH FACE OF ADJACENT WALLS TO WHICH BULKHEADS ARE PARALLEL, U.N.O. OR DIMENSIONED.
F. PAINT DUCTWORK INSIDE AIR GRILLES FLAT COLOR.
G. ALL GYPSUM BOARD SOFFITS & CEILINGS TO BE PAINTED FLAT CEILING WHITE, U.N.O.
H. CEILING GRIDS ARE CENTERED ON ROOM, U.N.O. OR DIMENSIONED.
I. ALL CEILING DEVICES TO BE CENTERED IN TILE, U.N.O.
J. WHERE EXIT SIGNS OCCUR OVER A DOOR OR PAIR OF DOORS, CENTER SIGN ON DOOR OPENING.
K. GYPSUM BOARD CEILINGS FRAMED TO THE UNDERSIDE OF WOOD TRUSSES SHALL BE INSTALLED TIGHT TO THE BOTTOM CHORD WITH A 1/2 INCH RESILIENT CHANNEL. CEILINGS BELOW 2x WOOD FRAMING SHALL MATCH THE HEIGHT OF THE CEILINGS BELOW THE WOOD TRUSSES UNLESS NOTED OTHERWISE. ALL CEILING ASSEMBLIES AND WALLS MUST MAINTAIN THE INTEGRITY OF THE FIRE RATED CEILING ASSEMBLIES.
L. SEE ELECTRICAL DRAWINGS FOR REQUIRED ELECTRICAL DEVICES. OVERALL FLOOR RCP'S SHOW GENERAL LOCATION OF CANS IN PUBLIC CORRIDORS.
M. CONTINUE RATED GYPSUM BOARD ABOVE ANY DROP CEILINGS AND SOFFITS.
N. COORDINATE FINAL SOFFIT LOCATION WITH FINAL CABINET LAYOUT.

GENERAL NOTES - INTERIOR ELEVATIONS

A. ALL DIMENSIONS ARE TO FACE OF WALL (UNLESS NOTED OTHERWISE).
B. SEE FINISH PLANS AND LEGEND FOR ADDITIONAL INFORMATION OF LOCATIONS AND TYPES OF FINISH MATERIALS.
C. ALL MOUNTING HEIGHTS ARE ABOVE FINISHED FLOOR (AFF). SEE SHEET A800.
D. REFER TO PME DRAWINGS FOR OTHER REQUIREMENTS NOT SHOWN ON INTERIOR ELEVATIONS. NOTIFY ARCHITECT OF DISCREPANCIES FOR CLARIFICATION.
E. PROVIDE BLIND CABINETS WHERE APPLICABLE.
F. CONTRACTOR TO PROVIDE BLOCKING IN WALL AS REQUIRED FOR ALL OWNER FURNISHED WALL MOUNTED EQUIPMENT AND ACCESSORIES. COORDINATE FINAL LOCATION WITH OWNER.
G. PROVIDE SCRIBES / FILLERS BETWEEN ALL WALLS AND CABINET ENDS, U.N.O. PROVIDE MINIMUM 2" FILLERS BETWEEN THE CORNER CABINETS IN AN "L" SHAPE CONFIGURATION.
H. PROVIDE CORNER CLOSURE PIECE UNDER THE WALL CABINETS IN AN "L" SHAPE CONFIGURATION.
I. WALL BASE AND WALL FINISH ARE TO EXTEND BEHIND EQUIPMENT
J. COORDINATE LOCATIONS OF GROMMETS WHERE NECESSARY FOR COMPUTER CORDS WITH OWNER, U.N.O.
K. CASEWORK MANUFACTURER SHALL VERIFY/MEASURE ALL FIELD CONDITIONS PRIOR TO FABRICATION OF CASEWORK / COUNTERTOPS. ANY ALTERATION TO CASEWORK REQUIRES AS A RESULT OF FIELD CONDITIONS SHALL BE APPROVED BY THE ARCHITECT AND OWNER PRIOR TO FABRICATION OR INSTALLATION. CASEWORK MANUFACTURER SHALL COORDINATE WITH CONTRACTOR INSTALLATION OF BLOCKING.
L. PROVIDE FINISHED ENDS/SIDES OF ALL EXPOSED END CABINETS.

(#) CODED NOTES - ENLARGED UNIT PLANS / INTERIOR ELEVATIONS

NOTE: SEE GENERAL NOTES, SPECIFICATIONS AND PROJECT DETAILS SHEETS FOR MOUNTING HEIGHT REQUIREMENTS AND ADDITIONAL INFO.

1. VANITY COUNTER WITH RADIUSED CORNERS, INTEGRAL BOWL AND BACKSPLASH. ALL VANITY COUNTERS AND SINK RIM TO BE AT 34" MAX A.F.F. PROVIDE PLUMBING PIPING PROTECTION AS REQUIRED PER CODE.
2. SQUARE EDGE LIGHTED VANITY MIRROR. REFER TO ELECTRICAL DRAWINGS. REVIEW FINAL SIZE WITH OWNER. MOUNT CENTERED ABOVE VANITY SINK.
3. TOWEL RING, 1 PER BATH.
4. SHOWER CURTAIN ROD. PROVIDE BLOCKING AS REQUIRED.
5. TOWEL BAR, MIN. 1 PER BATH.
6. FINISH END OR BACK PANEL, TYPICAL.
7. WC GRAB BARS.
8. SHOWER/ TUB GRAB BARS.
9. TOILET PAPER HOLDER, 1 PER BATH.
10. PREFABRICATED TUB, IN ANSI TYPE A UNITS, PROVIDE REINFORCED GRAB BARS AND REMOVABLE IN-TUB SEAT. SEE PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
11. ROBE HOOK, 1 PER BATH, MOUNTED ON INSIDE OF BATH DOOR, CENTERED.
12. CLOSET SHELF. SEE UNIT DETAILS FOR TYPE BY LOCATION.
13. FRONT LOAD MACHINES REQUIRED PER ANSI A117.1-2017 (1104.10(C)).
14. ANSI TYPE A UNITS: RANGE WITH FRONT MOUNTED CONTROLS. TOP SURFACE OF RANGE TO BE MOUNTED FLUSH WITH ADJACENT COUNTER HEIGHT. PROVIDE SKIRT BELOW RANGE AS NEEDED.
15. IN BATHS REQUIRED TO BE ACCESSIBLE, PROVIDE AND INSTALL IN WALL BLOCKING AND GRAB BARS AT BATHING FIXTURES AND TOILETS. IN NON-ACCESSIBLE BATHS AND AT ALL TYPICAL UNIT BATHS, PROVIDE IN-WALL BLOCKING FOR FUTURE INSTALLATION OF GRAB BARS AT BATHING FIXTURE AND TOILET LOCATIONS.
16. REMOVABLE BASE CABINET SINK BASES AT ALL UNITS IN KITCHENS AND BATHS, LEVER CONTROLS FOR ALL KITCHEN AND BATH FAUCETS. FLOOR FINISH TO EXTEND BELOW CABINETRY. WALLS BEHIND AND SURROUNDING THE CABINETRY
17. AIR SWITCH FOR GARBAGE DISPOSAL. COORDINATE LOCATION WITH PLUMBING.
18. KITCHEN COUNTER WITH COUNTERTOP METAL SUPPORTS, WITH EASED EDGES. TOP OF COUNTER AT 34" A.F.F. IN ANSI TYPE A UNITS AND 36" A.F.F. IN ANSI TYPE B UNITS, TYPICAL.
19. TILE BACKSPLASH.
20. WALL BASE. REFER TO FINISH SCHEDULE.
21. PREFABRICATED SHOWER ENCLOSURE. SEE PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.

GENERAL NOTES - ENLARGED UNIT PLANS

A. ALL DIMENSIONS ARE TO FINISH FACE OF WALL U.N.O.
B. WALLS ARE 2x WOOD FRAMING U.N.O. SEE SHEET G200 FOR PARTITION INFO.
C. EXTERIOR WALL CONDITIONS VARY. REFER TO OVERALL FLOOR PLAN SHEETS FOR EXTERIOR WALL AND WINDOW CONDITIONS.
D. SEE FINISH SCHEDULE FOR ADDITIONAL INFORMATION OF LOCATIONS AND TYPES OF FINISH MATERIALS.
E. ALL UNITS TYPICAL UNLESS NOTED OTHERWISE. SEE ENLARGED FLOOR PLANS FOR UNIT TYPE AND ADDITIONAL INFORMATION.
F. RESIDENTIAL UNITS: TYPE B DENOTES ANSI TYPE B AND TYPE A DENOTES ANSI TYPE A. UNITS SHALL COMPLY WITH THE ACCESSIBILITY REQUIREMENTS REFERENCED ON THE CODE INFORMATION. THIS INCLUDES BUT IS NOT LIMITED TO ANSI A117.1 -2017. ALL FIRST FLOOR UNITS TO BE ANSI TYPE A OR TYPE B.
G. ACCESSIBLE ROUTE WIDTH WITHIN UNITS SHALL BE 36" MINIMUM, CONTINUOUS AND UNOBSTRUCTED, CONNECTING ACCESSIBLE ELEMENTS AND SPACES.
H. PROVIDE WOOD BLOCKING ON ALL RESIDENTIAL TYPE A AND TYPE B UNITS IN BATHS AND AS INDICATED ON UNIT DETAILS SHEETS (A820 SERIES). SEE A100 AND A500 SERIES SHEETS FOR TYPE A & B UNIT LOCATIONS AND LAYOUTS. ALL UNITS TO RECEIVE BLOCKING FOR GRAB BARS (TYPE A UNITS) AND FUTURE GRAB BARS (TYPE B UNITS). SEE UNIT DETAILS SHEETS ON FOR LENGTHS AND LOCATIONS OF GRAB BARS.
I. PROVIDE WOOD BLOCKING AS REQUIRED TO MOUNT MILLWORK, MEP DEVICES AND ALL FIXTURES.
J. ALL DOOR OPENINGS INTO USABLE / OCCUPIED ROOMS IN RESIDENTIAL AND PUBLIC AREAS SHALL BE MINIMUM 32 INCHES CLEAR OR GREATER.
K. COORDINATE TRUSS LAYOUT AND DESIGN WITH MECHANICAL, ELECTRICAL AND PLUMBING LAYOUT PRIOR TO FABRICATION. TRUSS SHOP DRAWINGS SHALL INDICATE PLUMBING LINES AND HVAC DUCTS. PROVIDE COORDINATION DRAWING TO ARCHITECT. FRAMING CONTRACTOR SHALL COORDINATE TRUSS FRAMING OFFSETS AS REQUIRED TO ACCOMMODATE SANITARY LINES AND OTHER MEP EQUIPMENT / FIXTURES.
L. INSTALL ACOUSTIC BATT INSULATION AT PARTITIONS WITH PLUMBING STACKS, DEMISING WALLS AND FLOOR / CEILING ASSEMBLIES.
M. REFER TO MEP DWGS. FOR LOCATION OF ERV UNITS AT ALL DWELLING UNITS.
N. WATER SUPPLY AND DRAIN PIPES UNDER LAVATORIES AND SINKS MUST BE INSULATED TO PROTECT AGAINST CONTACT, INCLUDING COLD WATER SUPPLIES. PROVIDE SPRAY FOAM INSULATION AT DEMISING AND EXTERIOR WALLS AT LOCATIONS AROUND PLUMBING INSTALLATIONS. PROVIDE A VALANCE AT AREAS WITH EXPOSED SINK DRAINS. SEE UNIT DETAILS SHEETS FOR REQUIREMENTS.
O. HORIZONTAL OFFSETS IN PLUMBING DRAIN PIPES: PROVIDE ACOUSTIC PIPE INSULATION, REFER TO PLUMBING DRAWINGS.
P. RESIDENTIAL UNITS TO RECEIVE A STANDARD SHOWER WITH DOOR OR TUB AS NOTED IN PLANS (TYPE B UNITS AND NON-ACCESSIBLE BATH IN TYPE A UNITS). BATH TUBS WITH REMOVABLE SEATS (ACCESSIBLE BATH IN TYPE A UNITS). BLOCKING FOR INSTALLATION OF GRAB BARS AND OTHER SHOWER FIXTURES TO BE FACTORY INSTALLED IN PREFABRICATED UNITS. WALL ROUGH FRAMING DIMENSION REQUIREMENTS MUST BE COORDINATED WITH SELECTED SHOWER UNIT. NOTE THAT THESE DIMENSIONS TEND TO VARY PER MANUFACTURER. SEE UNIT DETAILS SHEETS FOR LAYOUT OF SHOWER BLOCKING AND FIXTURES. SEE PLUMBING DRAWINGS FOR EXACT DIMENSIONS REQUIRED AND FIXTURE INFO.
Q. PROVIDE BLOCKING FOR CURVED SHOWER RODS. LOCATED DIRECTLY ABOVE THE TOP OF THE TUB ENCLOSURE (WITHOUT DOORS).
R. LAUNDRY ROOM DRYER VENTING LOCATIONS SHALL BE COORDINATED WITH ARCHITECT. ROUTING SHALL NOT EXCEED 35 FEET WITH ONLY ONE BEND. LABEL LENGTH OF ANY DRYER VENTING DUCT ON THE LAUNDRY ROOMS PER REQUIREMENT BY THE CITY OF COLUMBUS.
S. INSTALL LOOP HANDLE PULLS ON ALL CASEWORK.
T. RANGES IN TYPE A UNITS ARE SLIDE-IN TYPE WITH FRONT CONTROLS IN ACCESSIBLE REACH RANGES. USE OF OVEN AND RANGE CONTROLS MUST NOT REQUIRE REACHING ACROSS THE BURNERS. SEE THE SPECIFICATIONS FOR APPLIANCE REQUIREMENTS. COOKTOP TO ALIGN WITH TOP OF COUNTERTOP.
U. MEP OPERABLE CONTROLS, FIXTURES, OUTLETS AND OTHER RESIDENTIAL TOILET OR UNIT ACCESSORIES SHALL BE MOUNTED NO LOWER THAN 18 INCHES AFF OR HIGHER THAN 48 INCHES. SEE UNIT DETAILS SHEETS FOR ADDITIONAL MOUNTING REQUIREMENTS.
V. ALL UNIT RANGE HOODS TO BE DUCTED AND VENTED TO EXTERIOR. SEE ELECTRICAL INFORMATION. INSTALL PER ENERGY-STAR CERTIFICATION AND LEED REQUIREMENTS.
W. ALL UNIT APPLIANCES INCLUDED IN BASE BID, SEE SPECS. UNIT APPLIANCES TO BE STAINLESS STEEL AND ENERGY-STAR CERTIFIED WHERE APPLICABLE.
X. ALL UNIT PLUMBING FIXTURES TO BE WATERSENSE-RATED. SEE PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
AA. FOR KITCHEN ELECTRIC OUTLET RECEPTACLES, THE MAXIMUM ALLOWABLE HEIGHT TO THE CENTERLINE OF AN OUTLET IS 46 INCHES AFF WHEN REACHING OVER AN OBSTRUCTION 36 INCHES HIGH MAXIMUM AND 25-1/2 INCHES DEEP MAXIMUM. OUTLETS MUST BE A MINIMUM OF 36 INCHES FROM AN INSIDE CORNER OR 12 INCHES FROM END WALL.
BB. THERMOSTATS, SWITCHES, ELECTRIC OUTLETS, ELECTRICAL PANELBOARDS AND OTHER OPERABLE PARTS MUST BE LOCATED WITHIN AN ACCESSIBLE REACH RANGE FROM 15 INCHES TO 48 INCHES AFF FOR UNOBSTRUCTED REACH.
CC. IN ANSI TYPE A UNITS, SWITCHES, ELECTRICAL OUTLETS & PANELS, THERMOSTATS AND OTHER ENVIRONMENTAL CONTROLS MUST BE IN ACCESSIBLE LOCATIONS. KITCHENS AND BATHROOMS MUST BE USABLE.
DD. ELECTRICAL PANELS ON ANSI TYPE A AND FIRST FLOOR ANSI TYPE B RESIDENTIAL UNITS SHALL BE INSTALLED SO THE OPERABLE COMPONENTS ARE NO HIGHER THAN 48 INCHES A.F.F. OR LOWER THAN 18 INCHES A.F.F.
EE. KITCHEN SINKS AT TYPE A UNITS SHALL INCLUDE REAR DRAINED SINKS TO ACCOMMODATE DISPOSALS. SINK BOWL SHALL NOT BE DEEPER THAN 6 1/2 INCHES.
FF. PROVIDE LEVER CONTROLS FOR ALL KITCHEN AND BATH FAUCETS.
GG. AT TYPE A UNITS, THE FLUSH CONTROL FOR THE WATER CLOSET WILL BE LOCATED ON THE OPEN SIDE (AWAY FROM THE SIDE WALL).
HH. WHERE REQUIRED, INSTALL ANY MEP DEVICES / FIXTURES SO THE INTEGRITY OF RATED WALL IS MAINTAINED. CONTINUE TYPE X GYPSUM BOARD ASSEMBLY BEHIND MEP DEVICE / FIXTURE.
II. EXTEND FINISH FLOOR MATERIAL UNDER KITCHEN APPLIANCES. VANITY IN ALL BATHS AND UNDERNEATH REMOVABLE UNIVERSAL BASE CABINETS. ALL CABINET SURFACES VISIBLE INCLUDING AREAS EXPOSED AFTER REMOVING REMOVABLE BASE CABINETS MUST BE COVERED BY FINISHED END PANELS TO MATCH ADJACENT CASEWORK. EXPOSED SIDES OF CABINETS MUST BE COVERED BY FINISHED END PANELS TO MATCH ADJACENT CASEWORK.
JJ. SIDES OF RANGE OR OPEN WORK AREAS BELOW BASE CABINETS MUST BE COVERED BY FINISHED END PANELS TO MATCH ADJACENT CASEWORK. EXPOSED SIDES OF WALL AND BASE CABINETS SHALL HAVE FINISH PANELS ON ALL EXPOSED TO VIEW.
KK. UNIT FLOOR FINISHES TO BE 'WOOD-LOOK' RESILIENT FLOORING IN ALL ROOMS. SEE UNIT DETAILS SHEETS AND FINISH PLANS (A900 SERIES) FOR EXTENT OF FINISHES AT ALL UNITS.
LL. PROVIDE ONE MIRROR FOR EACH UNIT BATH. MIRROR WIDTH AS SHOWN ON BATH ELEVATIONS, TYPICAL. SEE UNIT DETAILS SHEETS (A820 SERIES) AND MOUNTING HEIGHTS (A500) FOR MOUNTING REQUIREMENTS AND SPECIFICATIONS FOR ALL OTHER REQUIRED TOILET ACCESSORIES.
MM. SEE UNIT DETAILS SHEETS FOR MOUNTING HEIGHTS AND OTHER DIMENSIONS REQUIRED FOR PLUMBING AND OTHER FIXTURES REQUIRED.
NN. ALL RESIDENTIAL UNIT WINDOWS TO RECEIVE WINDOW TREATMENTS AS NOTED IN FINISH SCHEDULE.
OO. PROVIDE ONE DOOR VIEWER AT THE TYPE B UNIT ENTRY DOOR AND TWO DOOR VIEWERS AT THE TYPE A UNIT ENTRY DOOR.
PP. WIRE SHELVING SHALL BE PROVIDED FOR ENTIRE WIDTH OF THE CLOSET AS FOLLOWS: BEDROOM & COAT CLOSET (1 SHELF AND ROD FIXED),BEDROOM WALK IN CLOSET(2 SHELVS AND ROD FIXED) LINEN CLOSET (5 SHELF, ADJUSTABLE), UTILITY (1 SHELF, FIXED). SEE UNIT DETAILS SHEETS FOR MOUNTING HEIGHT REQUIREMENTS.
QQ. ALL RESIDENTIAL UNITS TO RECEIVE GRANITE (3CM) KITCHEN COUNTERTOPS (ST-1) WITH SUBWAY TILE BACKSPLASH. BATHS TO RECEIVE CULTURED MARBLE COUNTERTOPS WITH INTEGRAL BOWLS.
RR. IN TYPE A UNITS, ALL COUNTERTOPS TO BE SET AT 34 INCHES MAXIMUM HEIGHT TO THE TOP OF KITCHEN OR BATH SINK RIM. ON TYPE B UNITS, ALL VANITY COUNTERTOPS TO BE SET AT 34 INCHES MAXIMUM HEIGHT TO THE TOP OF BATH SINK RIM.
SS. AT TYPE A UNIT COUNTERTOPS, MOUNT CENTER OF WALL RECEPTACLES ABOVE COUNTER, NO HIGHER THAN 40 INCHES A.F.F. COORDINATE WITH CASEWORK ELEVATIONS. SEE UNIT DETAILS SHEETS.
TT. UNITS MAY BE OPPOSITE HAND OF THOSE SHOWN ON ENLARGED UNIT PLANS AND RCP'S. SEE OVERALL FLOOR PLANS FOR LOCATIONS AND ORIENTATION OF UNITS.
UU. REQUIRED 30"x52" CLEAR FLOOR SPACE - 52" SHALL BE CENTERED AT APPLIANCES AND SINKS.

(#) CODED NOTES - ENLARGED UNIT PLANS

1. CENTER FIXTURE IN ROOM/HALL
2. CENTER EXHAUST FAN ABOVE SHOWER/TUB
3. ALIGN FIXTURES

LEGEND - ENLARGED UNIT PLANS

- ANSI TYPE A UNIT. UNITS TO ALSO INCLUDE SENSORY UNIT FEATURES. SEE OVERALL PLANS FOR UNIT LOCATIONS.
- SENSORY UNIT (HEARING / VISUALLY IMPAIRED) - PROVIDE REQUIRED AUDIBLE AND VISUAL ALARMS. SEE OVERALL PLANS FOR UNIT LOCATIONS.
- ACCESSIBLE CLEARANCE APPROACH
- ACCESSIBLE TURNING CLEARANCE
- DOOR SWING CLEARANCE
- ACCESSIBLE ROUTE, 36" MINIMUM, UNOBSTRUCTED CLEARANCE PATH OF EGRESS
- PAPER-FACED MOISTURE RESISTANT GYP BOARD (MR)
- PAPERLESS GYPSUM BOARD (PGB)

LEGEND - ENLARGED UNIT RCP

- G1 GYPSUM BOARD CEILING OR SOFFIT (RATED CEILING INSTALLED DIRECTLY TO STRUCTURE)
- G2 RATED GYPSUM BOARD CEILING OR SOFFIT (ADDITIONAL LOWER CEILING)
- FLOOR AND ROOF TRUSS ASSEMBLY SYSTEM
- VINYL SOFFIT
- 2x2 SURFACE MOUNTED LIGHT FIXTURE (SHADING DENOTES EMERGENCY FIXTURE)
- SURFACE MOUNTED LIGHT FIXTURE (SHADING DENOTES EMERGENCY FIXTURE)
- SURFACE MOUNTED LIGHT FIXTURE (UNIT)
- PENDANT LIGHT FIXTURE
- SUSPENDED LINEAR LIGHT FIXTURE
- WALL MOUNTED VANITY LIGHT FIXTURE
- SUPPLY DIFFUSER
- LINEAR DIFFUSER
- EXHAUST/RETURN GRILLE
- ACCESS PANEL
- XX | XX'-XX" CEILING TAG WITH HEIGHT

NOTE: COORDINATE ARCHITECTURAL REFLECTED CEILING PLANS WITH THE MECHANICAL AND ELECTRICAL DRAWINGS FOR NUMBER OF, AND LOCATIONS OF, AND TYPES OF FIXTURES AND GRILLES. NOT ALL ITEMS SHOWN ON LEGEND MAY BE PRESENT IN PROJECT.

#	DATE	CHANGE DESCRIPTION
1	06/11/25	ADDENDUM# 01
2	06/25/25	ADDENDUM# 02

COLUMBUS METROPOLITAN HOUSING AUTHORITY
COMMUNITY. COMMITMENT. COLLABORATION.

THE FALLS ON REFUGEE ROAD
3355 REFUGEE ROAD. COLUMBUS, OH 43232
FOR
CMHA

300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: 614-461-4664
Moody Nolan
CERT. NO: FIRM 00197475

DRAWING TITLE:

ENLARGED UNIT PLANS - CLUBHOUSE

PROGRESS DRAWING NOT FOR CONSTRUCTION	05/01/2025
	23446
	A509
	CD PROGRESS SET

REVIT VERSION: 2023
PRINT DATE: 6/26/2025 2:06:29 PM
FILE INFO: J:\Active Docs\23446_CMHA Refugee Rd Housing Dvpmt - R23\23446_CMHA Refugee Rd Housing Dvpmt - R23_ARCH_R23.rvt

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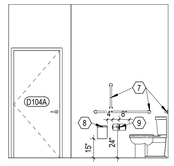
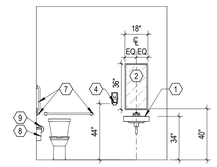


4 ELEVATION RESTROOM D104 3
1/4" = 1'-0" REF: 1 / 102-D



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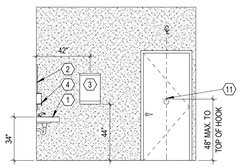
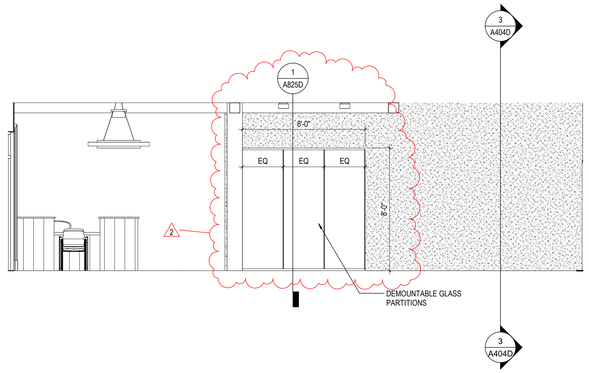
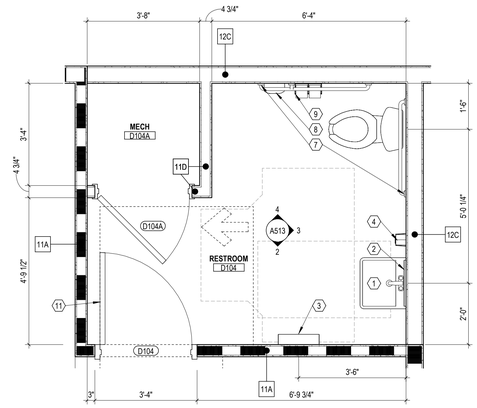
1/4" = 1'-0" REF: 1 / 102-D



2 ELEVATION RESTROOM D104 1
1/4" = 1'-0" REF: 1 / 102-D



5 ELEVATION GALLERY/LOBBY - WEST WALL
1/4" = 1'-0" REF: 1 / 102-D



1 PLAN RESTROOM D104
1/2" = 1'-0"

GENERAL NOTES - ENLARGED PLANS

A. ALL DIMENSIONS ARE TO FINISH FACE OF WALL U.N.O.
B. WALLS ARE 2x WOOD FRAMING U.N.O. SEE SHEET G200 FOR PARTITION INFO.
C. EXTERIOR WALL CONDITIONS VARY. REFER TO OVERALL FLOOR PLAN SHEETS FOR EXTERIOR WALL AND WINDOW CONDITIONS.
D. SEE FINISH SCHEDULE FOR ADDITIONAL INFORMATION OF LOCATIONS AND TYPES OF FINISH MATERIALS.
E. ACCESSIBLE ROUTE WIDTH SHALL BE 36" MINIMUM. CONTINUOUS AND UNOBSTRUCTED, CONNECTING ACCESSIBLE ELEMENTS AND SPACES.
F. PROVIDE WOOD BLOCKING AS INDICATED ON PROJECT DETAILS SHEETS (A500 SERIES). SEE PROJECT DETAILS SHEETS ON FOR LENGTHS AND LOCATIONS OF GRAB BARS.
G. PROVIDE WOOD BLOCKING AS REQUIRED TO MOUNT MILLWORK, MEP DEVICES AND ALL FIXTURES.
H. ALL DOOR OPENINGS INTO USABLE / OCCUPIED ROOMS IN CLUBHOUSE SHALL BE MINIMUM 32 INCHES CLEAR OR GREATER.
I. COORDINATE TRUSS LAYOUT AND DESIGN WITH MECHANICAL, ELECTRICAL AND PLUMBING LAYOUT PRIOR TO FABRICATION. TRUSS SHOP DRAWINGS SHALL INDICATE PLUMBING LINES AND HVAC DUCTS. PROVIDE COORDINATION DRAWING TO ARCHITECT. FRAMING CONTRACTOR SHALL COORDINATE TRUSS FRAMING OFFSETS AS REQUIRED TO ACCOMMODATE SANITARY LINES AND OTHER MEP EQUIPMENT / FIXTURES.
J. INSTALL ACOUSTIC BATT INSULATION AT PARTITIONS WITH PLUMBING STACKS, DEMISING WALLS AND FLOOR / CEILING ASSEMBLIES.
K. WATER SUPPLY AND DRAIN PIPES UNDER LAVATORIES AND SINKS MUST BE INSULATED TO PROTECT AGAINST CONTACT, INCLUDING COLD WATER SUPPLIES. PROVIDE SPRAY FOAM INSULATION AT DEMISING AND EXTERIOR WALLS AT LOCATIONS AROUND PLUMBING INSTALLATIONS. PROVIDE A VALANCE AT AREAS WITH EXPOSED SINK DRAINS. SEE PROJECT DETAILS SHEETS FOR REQUIREMENTS.
L. HORIZONTAL OFFSETS IN PLUMBING DRAIN PIPES: PROVIDE ACOUSTIC PIPE INSULATION, REFER TO PLUMBING DRAWINGS.
M. SEE PLUMBING DRAWINGS FOR EXACT DIMENSIONS REQUIRED AND ADDITIONAL PLUMBING FIXTURE INFORMATION.
N. INSTALL LOOP HANDLE PULLS ON ALL CASEWORK.
O. MEP OPERABLE CONTROLS, FIXTURES, OUTLETS AND OTHER TOILET ACCESSORIES SHALL BE MOUNTED NO LOWER THAN 18 INCHES AFF OR HIGHER THAN 48 INCHES. SEE PROJECT DETAILS SHEETS FOR ADDITIONAL MOUNTING REQUIREMENTS.
P. ALL APPLIANCES INCLUDED IN BASE BID, U.N.O. APPLIANCES TO BE STAINLESS STEEL AND ENERGY-STAR CERTIFIED WHERE APPLICABLE. SEE SPECIFICATIONS.
Q. ALL PLUMBING FIXTURES TO BE WATERSENSE-RATED. SEE PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
R. FOR KITCHEN ELECTRIC OUTLET RECEPTACLES, THE MAXIMUM ALLOWABLE HEIGHT TO THE CENTERLINE OF AN OUTLET IS 46 INCHES AFF WHEN REACHING OVER AN OBSTRUCTION 36 INCHES HIGH MAXIMUM AND 25-1/2 INCHES DEEP MAXIMUM. OUTLETS MUST BE A MINIMUM OF 36 INCHES FROM AN INSIDE CORNER OR 12 INCHES FROM END WALL.
S. THERMOSTATS, SWITCHES, ELECTRIC OUTLETS, ELECTRICAL PANELBOARDS AND OTHER OPERABLE PARTS MUST BE LOCATED WITHIN AN ACCESSIBLE REACH RANGE FROM 18 INCHES TO 48 INCHES AFF FOR UNOBSTRUCTED REACH.
T. KITCHENETTE SINKS SHALL INCLUDE REAR DRAINED SINKS TO ACCOMMODATE DISPOSALS. SINK BOWL SHALL NOT BE DEEPER THAN 6 1/2 INCHES.
U. PROVIDE LEVER CONTROLS FOR ALL KITCHENETTE AND TOILET FAUCETS.
V. AT TOILET ROOM LOCATIONS, FLUSH CONTROL FOR THE WATER CLOSET SHALL BE LOCATED ON THE OPEN SIDE (AWAY FROM THE SIDE WALL).
W. WHERE REQUIRED, INSTALL ANY MEP DEVICES / FIXTURES SO THE INTEGRITY OF RATED WALL IS MAINTAINED. CONTINUE TYPE X GYPSUM BOARD ASSEMBLY BEHIND MEP DEVICE / FIXTURE.
X. EXTEND FINISH FLOOR MATERIAL UNDER KITCHENETTE APPLIANCES, AND UNDERNEATH REMOVABLE UNIVERSAL BASE CABINETS. ALL CABINET SURFACES VISIBLE INCLUDING AREAS EXPOSED AFTER REMOVING REMOVABLE BASE CABINETS MUST BE COVERED BY FINISH END PANELS TO MATCH ADJACENT CASEWORK. EXPOSED SIDES OF CABINETS MUST BE COVERED BY FINISH END PANELS TO MATCH ADJACENT CASEWORK.
Y. SEE PROJECT DETAILS SHEETS AND FINISH SCHEDULE (A800 SERIES) FOR EXTENT OF FINISHES IN CLUBHOUSE.
Z. PROVIDE ONE FRAMED MIRROR FOR EACH TOILET ROOM. MIRROR WIDTH AS SHOWN ON INTERIOR ELEVATIONS, TYPICAL. SEE PROJECT DETAILS SHEETS AND MOUNTING HEIGHTS (A500 SERIES) FOR MOUNTING REQUIREMENTS AND SPECIFICATIONS FOR ALL OTHER REQUIRED TOILET ACCESSORIES.
AA. SEE PROJECT DETAILS SHEETS FOR MOUNTING HEIGHTS AND OTHER DIMENSIONS REQUIRED FOR PLUMBING AND OTHER FIXTURES REQUIRED.
BB. ALL WINDOWS TO RECEIVE WINDOW TREATMENTS AS NOTED IN FINISH SCHEDULE.
CC. SHELVING SHALL BE PROVIDED FOR ENTIRE WIDTH OF CLOSETS AS FOLLOWS: STORAGE CLOSET (5 SHELF, ADJUSTABLE), UTILITY (1 SHELF, FIXED). SEE PROJECT DETAILS SHEETS FOR MOUNTING HEIGHT REQUIREMENTS.
DD. ALL CLUBHOUSE COUNTERTOPS TO RECEIVE GRANITE (3CM) KITCHEN COUNTERTOPS (ST-1) WITH SUBWAY TILE BACKSPLASH. TOILETS TO RECEIVE CULTURED MARBLE SINKS WITH INTEGRAL BOWLS.
EE. ALL COUNTERTOPS TO BE SET AT 34 INCHES MAXIMUM HEIGHT TO THE TOP OF KITCHENETTE OR TOILET SINK RIM.
FF. MOUNT CENTER OF WALL RECEPTACLES ABOVE COUNTER, NO HIGHER THAN 40 INCHES A.F.F. COORDINATE WITH CASEWORK ELEVATIONS. SEE PROJECT DETAILS SHEETS.
GG. REQUIRED 30"x52" CLEAR FLOOR SPACE - 52" SHALL BE CENTERED AT APPLIANCES AND SINKS.

GENERAL NOTES - INTERIOR ELEVATIONS

A. ALL DIMENSIONS ARE TO FACE OF WALL (UNLESS NOTED OTHERWISE).
B. SEE FINISH PLANS AND LEGEND FOR ADDITIONAL INFORMATION OF LOCATIONS AND TYPES OF FINISH MATERIALS.
C. ALL MOUNTING HEIGHTS ARE ABOVE FINISHED FLOOR (AFF). SEE SHEET A800.
D. REFER TO PME DRAWINGS FOR OTHER REQUIREMENTS NOT SHOWN ON INTERIOR ELEVATIONS. NOTIFY ARCHITECT OF DISCREPANCIES FOR CLARIFICATION.
E. PROVIDE BLIND CABINETS WHERE APPLICABLE.
F. CONTRACTOR TO PROVIDE BLOCKING IN WALL AS REQUIRED FOR ALL OWNER FURNISHED WALL MOUNTED EQUIPMENT AND ACCESSORIES. COORDINATE FINAL LOCATION WITH OWNER.
G. PROVIDE SCRIBES / FILLERS BETWEEN ALL WALLS AND CABINET ENDS, U.N.O. PROVIDE MINIMUM 2" FILLERS BETWEEN THE CORNER CABINETS IN AN "L" SHAPE CONFIGURATION.
H. PROVIDE CORNER CLOSURE PIECE UNDER THE WALL CABINETS IN AN "L" SHAPE CONFIGURATION.
I. WALL BASE AND WALL FINISH ARE TO EXTEND BEHIND EQUIPMENT
J. COORDINATE LOCATIONS OF GROMMETS WHERE NECESSARY FOR COMPUTER CORDS WITH OWNER, U.N.O.
K. CASEWORK MANUFACTURER SHALL VERIFY/MEASURE ALL FIELD CONDITIONS PRIOR TO FABRICATION OF CASEWORK / COUNTERTOPS. ANY ALTERATION TO CASEWORK REQUIRES AS A RESULT OF FIELD CONDITIONS SHALL BE APPROVED BY THE ARCHITECT AND OWNER PRIOR TO FABRICATION OR INSTALLATION. CASEWORK MANUFACTURER SHALL COORDINATE WITH CONTRACTOR INSTALLATION OF BLOCKING.
L. PROVIDE FINISHED ENDS/SIDES OF ALL EXPOSED END CABINETS.

LEGEND - ENLARGED PLANS

- ANSI TYPE A UNIT. UNITS TO ALSO INCLUDE SENSORY UNIT FEATURES. SEE OVERALL PLANS FOR UNIT LOCATIONS.
- SENSORY UNIT (HEARING / VISUALLY IMPAIRED) - PROVIDE REQUIRED AUDIBLE AND VISUAL ALARMS. SEE OVERALL PLANS FOR UNIT LOCATIONS.
- ACCESSIBLE CLEARANCE APPROACH
- ACCESSIBLE TURNING CLEARANCE
- DOOR SWING CLEARANCE
- ACCESSIBLE ROUTE, 36" MINIMUM, UNOBSTRUCTED CLEARANCE PATH OF EGRESS
- PAPER-FACED MOISTURE RESISTANT GYP BOARD (MR)
- PAPERLESS GYPSUM BOARD (PGB)

(#) CODED NOTES - ENLARGED PLANS / INTERIOR ELEVATIONS

NOTE: SEE GENERAL NOTES, SPECIFICATIONS AND PROJECT DETAILS SHEETS FOR MOUNTING HEIGHT REQUIREMENTS AND ADDITIONAL INFO.

1. WALL-HUNG LAV WITH RADIUSED CORNERS. ALL LAV COUNTERS AND SINK RIM TO BE INSTALLED AT 34" MAX A.F.F. CAULK AT ALL LAVS. PROVIDE PLUMBING PIPING PROTECTION AS REQUIRED PER CODE.
2. FRAMED MIRROR, MOUNT CENTERED ABOVE LAV.
3. PAPER TOWEL DISPENSER, 1 PER BATH.
4. SOAP DISPENSER, 1 PER BATH.
5. BABY CHANGING STATION.
6. FINISH END OR BACK PANEL, TYPICAL.
7. WC GRAB BARS. IN TOILET ROOMS, PROVIDE AND INSTALL IN-WALL BLOCKING AND GRAB BARS AT TOILETS LOCATIONS.
8. SANITARY NAPKIN DISPOSAL.
9. TOILET PAPER HOLDER, 1 PER BATH.
10. BOTTLE FILLING STATION.
11. ROBE HOOK, 1 PER BATH, MOUNTED ON INSIDE OF BATH DOOR, CENTERED.
12. SHELVING. FINAL TYPE AND QUANTITY TO BE COORDINATED WITH OWNER. LOWEST SHELF TO BE WITHIN ACCESSIBLE REACH RANGES.
13. JANITOR SINK.
14. MOP STRIP.
15. JANITOR SHELF.
16. REMOVABLE BASE CABINET SINK BASES AT ALL UNITS IN KITCHENS AND BATHS, LEVER CONTROLS FOR ALL KITCHEN AND BATH FAUCETS. FLOOR FINISH TO EXTEND BELOW CABINETRY. WALLS BEHIND AND SURROUNDING THE CABINETRY
17. AIR SWITCH FOR GARBAGE DISPOSAL. COORDINATE LOCATION WITH PLUMBING.
18. QUARTZ KITCHEN COUNTER WITH WITH EASED EDGES AND UNDERMOUNT SINK. TOP OF COUNTER AND SINK RIM TO BE 34" MAX. A.F.F.
19. TILE BACKSPLASH.
20. WALL BASE. REFER TO FINISH SCHEDULE.
21. GLASS DOUBLE SWING-DOOR REFRIGERATOR. COORDINATE FINAL SIZE AND LOCATION WITH OWNER.
22. OWNER-PROVIDED COFFEE MACHINE. COORDINATE FINAL LOCATION WITH OWNER.
23. CONTRACTOR TO PROVIDE IN-WALL BLOCKING AND INSTALL OWNER-PROVIDED, WALL-MOUNTED TELEVISION. COORDINATE FINAL SIZE AND LOCATION WITH OWNER.
24. UNDER-COUNTER TRASH RECEPTACLE.
25. UNDER-COUNTER REFRIGERATOR.
26. COUNTERTOP MICROWAVE.

#	DATE	CHANGE DESCRIPTION
1	06/11/25	ADDENDUM# 01
2	06/25/25	ADDENDUM# 02

COLUMBUS METROPOLITAN HOUSING AUTHORITY
COMMUNITY. COMMITMENT. COLLABORATION.

THE FALLS ON REFUGEE ROAD
3355 REFUGEE ROAD. COLUMBUS, OH 43232
FOR
CMHA

Moody Nolan
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: 614-461-4664
CERT. NO: FIRM 00197475

DRAWING TITLE:
ENLARGED PLANS, ELEVATIONS & CASEWORK DETAILS - CLUBHOUSE

PROGRESS DRAWING NOT FOR CONSTRUCTION	05/01/2025
	23446
	A513
	CD PROGRESS SET

REVIT VERSION: 2023
PRINT DATE: 6/26/2025 2:07:41 PM
FILE INFO: J:\Jobs\All Docs\23446_CMHA Refugee Rd Housing Dvlpmt - R23\23446_CMHA Refugee Rd Housing_ARCH_R23.rvt

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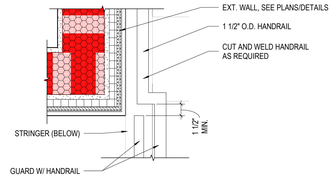
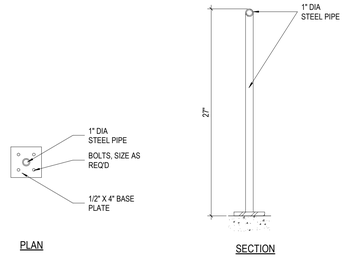
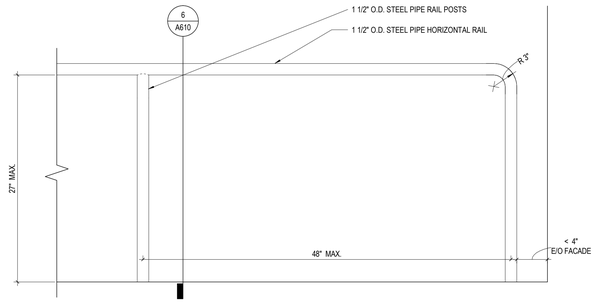


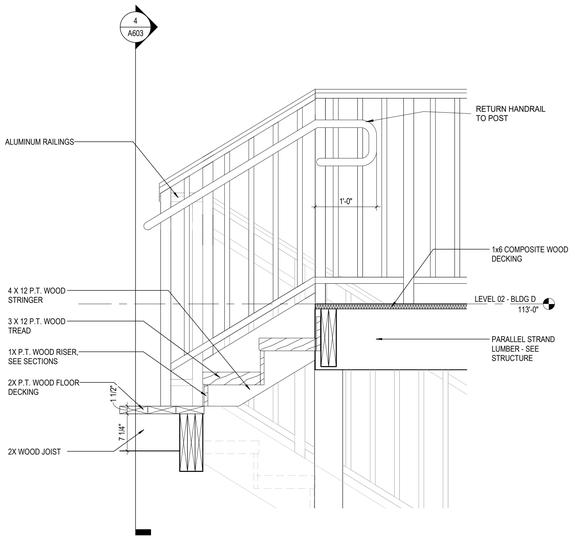
9 DETAIL LEVEL 01 HANDRAIL TRANSITION
1 1/2" = 1'-0" REF: 2 / A601

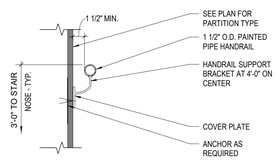


6 DETAIL CANE DETECTION SECTION
1 1/2" = 1'-0" REF: 3 / A610

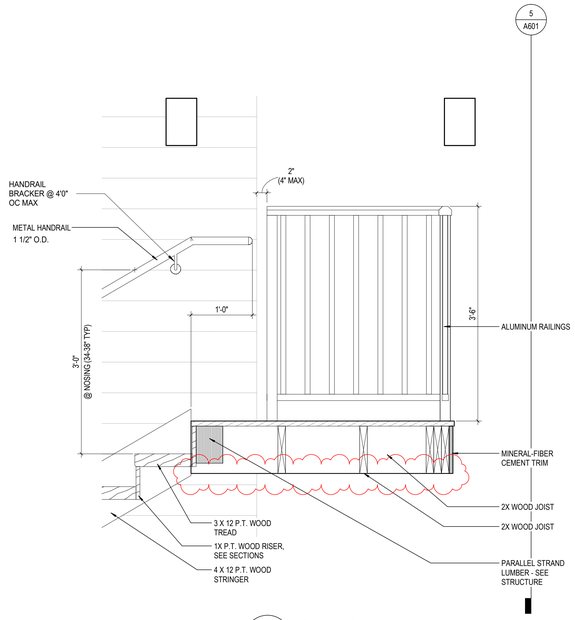


3 DETAIL CANE DETECTION RAIL
1 1/2" = 1'-0"



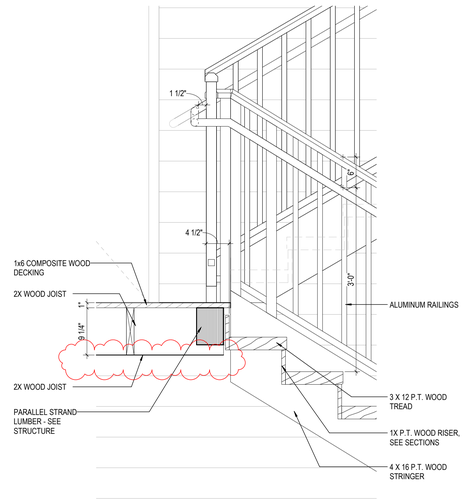


11 DETAIL R4 - HANDRAIL MOUNTING - WALL
1 1/2" = 1'-0"

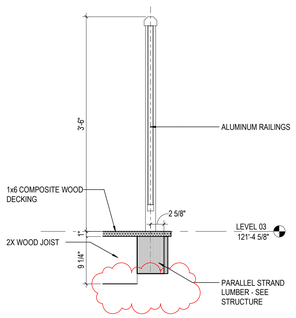


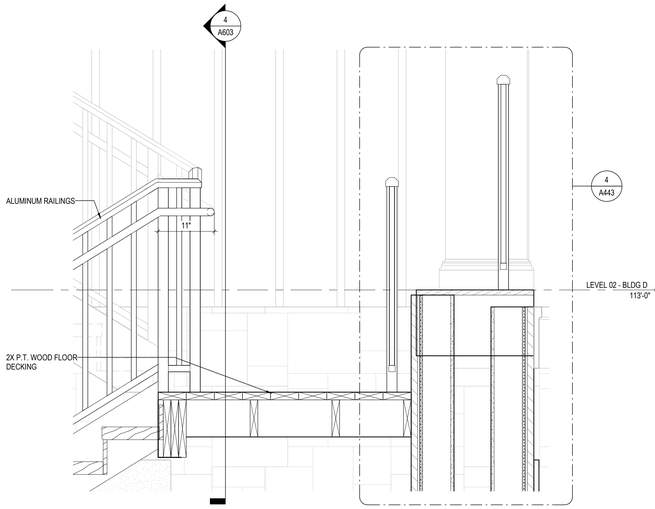
8 DETAIL TOP LANDING - CLUBHOUSE
1" = 1'-0" REF: 2 / A603

5 DETAIL INTERMEDIATE LANDING @ WALL
1" = 1'-0" REF: 3 / A601



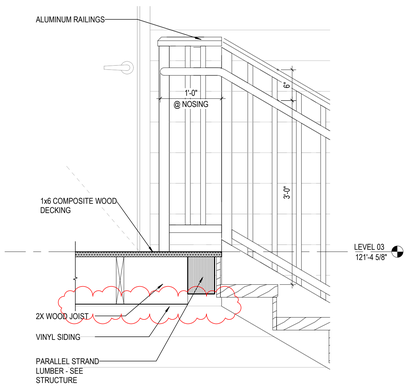
2 DETAIL INTERMEDIATE LANDING SYMETRICAL)
1" = 1'-0" REF: 1 / A601



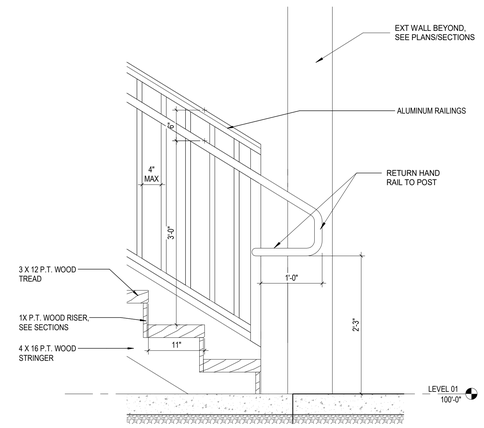


10 DETAIL GUARDRAIL @ TOP LANDING
1" = 1'-0" REF: 3 / A601

7 DETAIL INT. LANDING @ CH 2ND FLOOR
1" = 1'-0" REF: 3 / A603



4 DETAIL TOP LANDING GUARDRAIL
1" = 1'-0" REF: 1 / A601



1 DETAIL LANDING @ GRADE
1" = 1'-0" REF: 1 / A601

VERTICAL CIRC. GENERAL NOTES

1. TBD

VERTICAL CIRC. CODED NOTES

1. TBD

KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT
05 50 00.T1	METAL HANDRAIL
05 70 00.A1	ALUMINUM RAILINGS
06 10 00.A4	2X WOOD JOIST
06 15 13.A2	2X P.T. WOOD FLOOR DECKING
06 17 23	PARALLEL STRAND LUMBER - SEE STRUCTURE
06 43 13.A1	3 X 12 P.T. WOOD TREAD
06 43 13.A2	1X P.T. WOOD RISER, SEE SECTIONS
06 43 13.A3	4 X 16 P.T. WOOD STRINGER
06 43 13.A4	4 X 12 P.T. WOOD STRINGER
06 73 00.A1	1x6 COMPOSITE WOOD DECKING
07 46 33.B1	VINYL SIDING
07 46 46.B1	MINERAL-FIBER CEMENT TRIM

#	DATE	CHANGE DESCRIPTION
1	06/11/25	ADDENDUM# 01
2	06/25/25	ADDENDUM# 02

COLUMBUS METROPOLITAN HOUSING AUTHORITY
COMMUNITY. COMMITMENT. COLLABORATION.

THE FALLS ON REFUGEE ROAD
3355 REFUGEE ROAD. COLUMBUS, OH 43232
FOR
CMHA

Moody Nolan
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: 614-461-4664
CERT. NO: FIRM 00197475

DRAWING TITLE:
STAIR & RAILING DETAILS

PROGRESS DRAWING NOT FOR CONSTRUCTION

05/01/2025
23446
A610
CD PROGRESS SET

REVIT VERSION: 2023
PRINT DATE: 6/26/2025 2:55:42 PM
FILE INFO: J:\Active Docs\23446_CMHA Refugee Rd Housing Dvlpmt. R23\23446_CMHA Refugee Rd Housing_ARCH_R23.rvt

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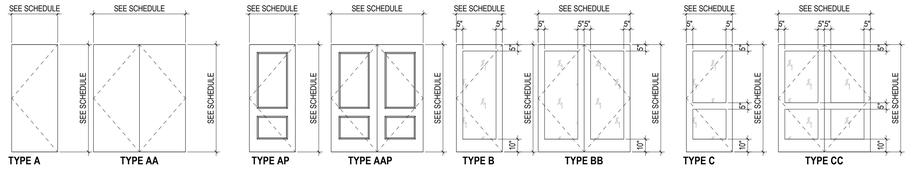
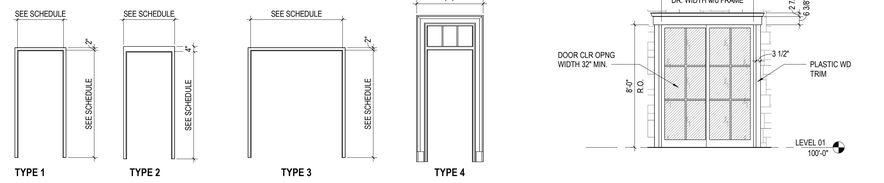
DOOR PANEL TYPE LEGEND

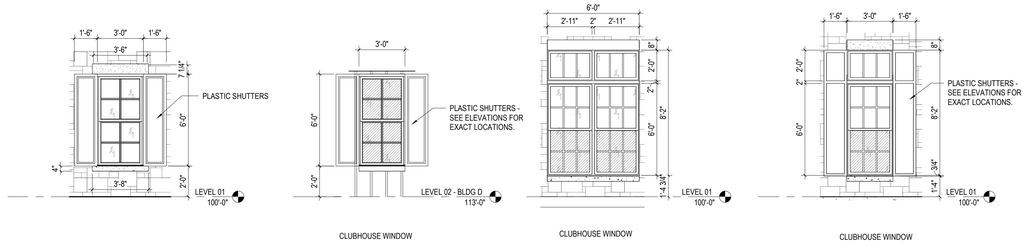


DOOR FRAME TYPE LEGEND

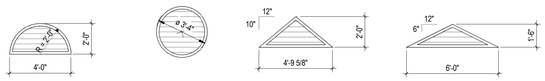


1 **DETAIL** TYPICAL APT. SLIDING DOOR
1/4" = 1'-0" REF: 1 / 100-A

WINDOW TYPE LEGEND



LOUVER TYPE LEGEND



DOOR SCHEDULE - EXTERIOR ELEC CLOSET DOOR @ BUILDING A,B,C

DOOR						FRAME		FIRE		DETAILS - SHEET A710 (U.N.O.)		
NUMBER	ROOM NAME	WIDTH	HEIGHT	MATERIAL	ELEV	MATERIAL	ELEV	RATING	HDW SET	HEAD	JAMB	SILL
E1	FIRE SPRINKLER / RISER ROOM	6'-0"	7'-0"	HM	AA	HM	1	1/3 HR	3	1/A444	2/A443	1
E3	FIRE SPRINKLER / RISER ROOM	6'-0"	7'-0"	HM	AA	HM	1	1/3 HR	3	1/A444	2/A443	1
E5	FIRE SPRINKLER / RISER ROOM	6'-0"	7'-0"	HM	AA	HM	1	1/3 HR	3	1/A444	2/A443	1

DOOR SCHEDULE - GARAGE BUILDING

DOOR						FRAME		FIRE		DETAILS - SHEET A710 (U.N.O.)		
NUMBER	ROOM NAME	WIDTH	HEIGHT	MATERIAL	ELEV	MATERIAL	ELEV	RATING	HDW SET	HEAD	JAMB	SILL
G01	GARAGE	8'-0"	7'-0"	ST	OH1	--	--	--	1.0	16	15	14
G1A	GARAGE	3'-0"	7'-0"	HM	A	HM	1	--	3.1	18	19	5
G02	GARAGE	8'-0"	7'-0"	ST	OH1	--	--	--	1.0	16	15	14
G2A	GARAGE	3'-0"	7'-0"	HM	A	HM	1	--	3.1	18	19	5
G2B	GARAGE	3'-0"	7'-0"	HM	A	HM	1	--	3.1	18	19	5
G03	GARAGE	8'-0"	7'-0"	ST	OH1	--	--	--	1.0	16	15	14
G04	GARAGE	8'-0"	7'-0"	ST	OH1	--	--	--	1.0	16	15	14
G05	GARAGE	8'-0"	7'-0"	ST	OH1	--	--	--	1.0	16	15	14
G06	GARAGE	8'-0"	7'-0"	ST	OH1	--	--	--	1.0	16	15	14
G07	GARAGE	8'-0"	7'-0"	ST	OH1	--	--	--	1.0	16	15	14
G09	GARAGE	8'-0"	7'-0"	ST	OH1	--	--	--	1.0	16	15	14
G11	GARAGE	8'-0"	7'-0"	ST	OH1	--	--	--	1.0	16	15	14
G13	GARAGE	8'-0"	7'-0"	ST	OH1	--	--	--	1.0	16	15	14
G15	GARAGE	8'-0"	7'-0"	ST	OH1	--	--	--	1.0	16	15	14
G17	GARAGE	8'-0"	7'-0"	ST	OH1	--	--	--	1.0	16	15	14
G19	GARAGE	8'-0"	7'-0"	ST	OH1	--	--	--	1.0	16	15	14
G21	GARAGE	8'-0"	7'-0"	ST	OH1	--	--	--	1.0	16	15	14
G23	GARAGE	8'-0"	7'-0"	ST	OH1	--	--	--	1.0	16	15	14
G25	GARAGE	8'-0"	7'-0"	ST	OH1	--	--	--	1.0	16	15	14
G27	GARAGE	8'-0"	7'-0"	ST	OH1	--	--	--	1.0	16	15	14
G29	GARAGE	8'-0"	7'-0"	ST	OH1	--	--	--	1.0	16	15	14

DOOR SCHEDULE - BUILDING D (CLUBHOUSE)

DOOR						FRAME		FIRE		DETAILS - SHEET A710 (U.N.O.)		
NUMBER	ROOM NAME	WIDTH	HEIGHT	MATERIAL	ELEV	MATERIAL	ELEV	RATING	HDW SET	HEAD	JAMB	SILL
D101	FRONT LOBBY	3'-0"	7'-4"	HM	E	HM	3		2.1	8/A441		
D103	CONFERENCE & CLOSING	3'-0"	7'-0"	WD	C	HM	1		9.0	6	7	
D104	RESTROOM	3'-0"	7'-0"	WD	A	HM	1		5.0	6	7	
D104A	MECH	3'-0"	7'-0"	WD	A	HM	1		7.0	6	7	
D106	MARKETING	3'-0"	7'-0"	WD	A	HM	1		9.0	6	7	
D107	GALLERY	3'-0"	7'-0"	WD	C	HM	1		10.0	6	7	
D108B	CLUB	3'-0"	7'-0"	WD	C	HM	1		8.1	6	7	
D109	FITNESS	3'-0"	7'-0"	WD	C	HM	1		4.0	6	7	
D111	REAR LOBBY	3'-0"	7'-4"	HM	E	HM	3		2.0	8/A441		
D113	MEN'S RR	3'-0"	7'-0"	WD	A	HM	1		11.0	6	7	
D114	WOMEN'S RR	3'-0"	7'-0"	WD	A	HM	1		11.0	6	7	
D115	PARCEL RM	3'-0"	7'-0"	WD	A	HM	1		5.0	6	7	
D116	MECH./ JAN.	3'-0"	7'-0"	WD	A	HM	1		6.0	6	7	
D117	POOL EQUIP.	6'-0"	7'-0"	HM	AA	HM	1		3.0			

NOTE TO CONTRACTOR:
THE SAME DOOR SCHEDULE FOR INTERIOR UNIT IS ALSO SHOWN ON ENLARGED FLOOR PLANS (A500 SERIES) FOR EASE OF REFERENCE.

DOOR SCHEDULE - TYPICAL INTERIOR UNIT

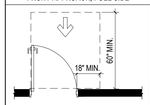
			DOOR				FRAME		FIRE RATING	HDW SET	DETAILS-SHEET A710 (U.N.O.)			
REVISION	MARK	DOOR TYPE	WIDTH	HEIGHT	MATERIAL	ELEV	MATERIAL	ELEV			HEAD	JAMB	SILL	REMARKS
	A1	UNIT ENTRY (INT.)	3'-0"	7'-0"	HM	AP	HM	1	1/3 HR	12	10	9	5, 8	
01	B1	BEDROOM	3'-0"	7'-0"	HWC	AP	WD	1	-	13	4	5	-	
01	C1	CLOSET	3'-0"	7'-0"	HWC	AP	WD	1	-	14	4	5	-	
01	C2	CLOSET	2'-6"	7'-0"	HWC	AP	WD	1	-	14	4	5	-	
01	C3	CLOSET	2'-0"	7'-0"	HWC	AP	WD	1	-	14	4	5	-	
01	C4	CLOSET - PAIR	5'-0"	7'-0"	HWC	AAP	WD	1	-	15	4	5	-	
01	T1	TOILET	3'-0"	7'-0"	HWC	AP	WD	1	-	13	4	5	-	
	P1	BALCONY	6'-0"	8'-0"	FG	SL	FG	1	-	16	-	-	-	
	P2	BALCONY - SWING	6'-0"	7'-0"	FG	SW	FG	1	-	16	-	-	-	

- PROVIDE DOOR STOPS (BASE OR HIDGE) PER HARDWARE SET SPECIFICATIONS.
- ALL DOOR WIDTHS IN OCCUPIED ROOMS OF BUILDING TO BE 32" MIN CLEAR.
- ALL DOORS PROVIDING ACCESS TO RESIDENTIAL SPACES TO BE PAINTED.
- ALL FULL LITE BALCONY DOORS TO RECEIVE WINDOW SHADES.
- SENSORY UNITS TO RECEIVE ROOM ANNUNCIATOR, HORN/STROBE, TRANSFORMER, & PUSH BUTTON (BOD: EDWARDS SIGNALING)

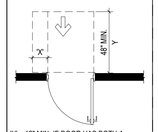
Division	Schedule Abbreviation	( )
08 11 13	Hollow Metal Doors and Frames	(HM)
08 14 00	Hollow Wood Door	(HWC)
08 16 13	Fiberglass Doors	(FG)
08 32 00	Sliding Glass Doors	(SG)
08 36 13	Steel Sectional Doors	(ST)
08 41 13	Aluminum-Framed Entrances and Storefronts	(SF)

DOOR CLEARANCES

FRONT APPROACH, PULL SIDE

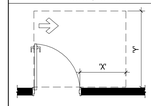


FRONT APPROACH, PUSH SIDE



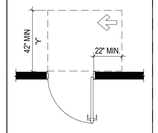
"X" = 12" MIN. IF DOOR HAS BOTH A CLOSER AND LATCH.
"Y" = 52" MIN. ICC A117.1 2017

HINGE APPROACH, PULL SIDE



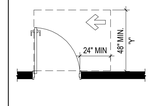
"X" = 36" MIN. IF "Y" = 60" MIN.
"X" = 42" MIN. IF "Y" = 54" MIN.

HINGE APPROACH, PUSH SIDE



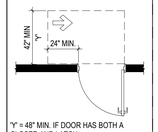
"Y" = 48" MIN. IF DOOR HAS A CLOSER (A117.1 2017) OR A CLOSER AND A LATCH (ADA OR A117.1 2009)ICC A117.1 2017

LATCH APPROACH, PULL SIDE



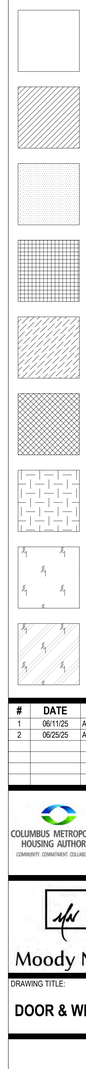
"Y" = 54" MIN. IF DOOR HAS BOTH A CLOSER AND LATCH

LATCH APPROACH, PUSH SIDE



"Y" = 48" MIN. IF DOOR HAS BOTH A CLOSER AND LATCH

GLAZING TYPES



GL-1 INTERIOR GLAZING (CLEAR TEMPERED)

GL-2 INTERIOR GLAZING (CLEAR LAMINATED)

GL-3 INTERIOR GLAZING (CERAMIC 45 MINUTE)

GL-4 INTERIOR GLAZING (CERAMIC 60 MINUTE)

GL-5 INTERIOR GLAZING (CERAMIC 90 MINUTE)

GL-6 INTERIOR GLAZING (FROSTED)

GL-7 INTERIOR GLAZING (GRIDDED)

IG-1 EXTERIOR GLAZING (CLEAR)

IG-1A EXTERIOR GLAZING (CLEAR TEMPERED)

#	DATE	CHANGE DESCRIPTION
1	06/11/25	ADDENDUM# 01
2	06/25/25	ADDENDUM# 02

COLUMBUS METROPOLITAN HOUSING AUTHORITY
COMMUNITY. COMMITMENT. COLLABORATION.

THE FALLS ON REFUGEE ROAD
3355 REFUGEE ROAD. COLUMBUS, OH 43232
FOR
CMHA

300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: 614-461-4664
Moody Nolan
CERT. NO: FIRM 00197475

DRAWING TITLE:
DOOR & WINDOW SCHEDULES

PROGRESS DRAWING NOT FOR CONSTRUCTION

05/01/2025
23446
A700
CD PROGRESS SET

REVIT VERSION: 2023
PRINT DATE: 6/26/2025 2:04:31 PM
FILE INFO: J:\Active Docs\23446_CMHA Refugee Rd Housing Dvlpmt - R23\23446_CMHA Refugee Rd Housing_ARCH_R23.rvt

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CLUBHOUSE FINISH SCHEDULE

SPACE		FLOOR		BASE		DOOR/FRAME FINISH		WALLS								
						DOOR	FRAME	NORTH		SOUTH		EAST		WEST		
ROOM NUMBER	ROOM NAME	MAT	COL	MAT	COL	PAINT	PAINT	MAT	COL	MAT	COL	MAT	COL	MAT	COL	REMARKS
104	FIRE SPRINKLER / RISER ROOM	SC	--	RB	1			PT	3	PT	3	PT	3	PT	3	
106	FIRE SPRINKLER / RISER ROOM	SC	--	RB	1			PT	3	PT	3	PT	3	PT	3	
108	FIRE SPRINKLER / RISER ROOM	SC	--	RB	1			PT	3	PT	3	PT	3	PT	3	
D101	FRONT LOBBY	LVP	1	WD	PT-2			PT	3	PT	3	PT	3	PT	3	
D102	CORR.	LVP	1	WD	PT-2			PT	3	PT	3	PT	3	PT	3	
D103	CONFERENCE & CLOSING	CR	2	WD	PT-2			PT	3	PT	3	PT	3	PT	3	
D104	RESTROOM	TF	1	TWB	1			PT	3	PT	3	WT	1	PT	3	WT @ WET WALL
D104A	MECH	SC	--	RB	1			PT	3	PT	3	PT	3	PT	3	
D105	LEASING	LVP	1	WD	PT-2			PT	3	PT	3	PT	3	PT	3	
D106	MARKETING	CR	2	WD	PT-2			PT	3	PT	3	PT	3	PT	3	
D107	GALLERY	LVP	1	WD	PT-2			PT	3	PT	3	PT	3	PT	3	
D108	CLUB	LVP	1	WD	PT-2			PT	3	PT	3	PT	3	WT / PT	3 / 3	WT @ BACK BAR
D109	FITNESS	RSF	1	WD	PT-2			PT	3	PT	3	PT	3	PT	3	SOFFIT TO BE PT-X. LAY-IN TO BE A3
D111	REAR LOBBY	LVP	1	WD	PT-2			PT	3	PT	3	PT	3	PT	3	
D112	CORRIDOR	LVP	1	WD	PT-2			PT	3	WT / PT	3 / 3	WT / PT	3 / 3	WT / PT	3 / 3	WT @ EWC
D113	MEN'S RR	TF	1	TWB	1			PT	3	PT	3	PT	3	WT	1	WT @ WET WALL
D114	WOMEN'S RR	TF	1	TWB	1			PT	3	PT	3	WT	1	PT	3	WT @ WET WALL
D115	PARCEL RM.	SC	--	RB	1			PT	3	PT	1	PT	1	PT	3	
D116	MECH./ JAN.	SC	--	RB	1			PT	3	PT	3	PT	3	PT	3	
D117	POOL EQUIP.	SC	--	RB	1			FRP	1	FRP	1	FRP	1	FRP	1	
D118	MAIL	--	--	--	--			--	--	--	--	--	--	--	--	SEE EXTERIOR FINISHES
D119	STAIR	--	--	--	--			--	--	--	--	--	--	--	--	SEE EXTERIOR FINISHES

UNIT FINISH SCHEDULE

ROOM NAME	FLOOR		BASE		WALLS		REMARKS	KEYED REMARKS
	FINISH	COLOR	FINISH	COLOR	FINISH	COLOR		
COAT	LVP	1	WD	PT-2	PT	1		
KITCHEN	LVP	1	WD	PT-2	PT / WT	1 / 2	WT @ KITCHEN BACKSPLASH	1, 2
LIVING	LVP	1	WD	PT-2	PT	1		
CLOSET	LVP	1	WD	PT-2	PT	1	NON-BEDROOM ADJACENT	
BEDROOM/CLOSET	CR	1	WD	PT-2	PT	1		
BATHROOM	LVP	1	WD	PT-2	PT	1		
LAUNDRY	LVP	1	WD	PT-2	PT	1		
LINEN	LVP	1	WD	PT-2	PT	1		
MECH	LVP	1	WD	PT-2	PT	1		

GENERAL NOTES:

A. REFER TO "FINISH LEGEND-TYPICAL UNIT" FOR MATERIAL AND COLOR INFORMATION.
B. UNIT INTERIOR TRIM AND DOORS TO BE PAINTED PT-2.
C. CEILINGS TO BE PAINTED PT-6 ENTIRE UNIT. TYPICAL AT ALL UNITS.
D. CONTINUE FLOOR FINISH INTO KNEE SPACE OF REMOVABLE CABINETS, PAINT BACK WALL, INSTALL WALL BASE.
E. AT ALL EXTERIOR WINDOWS, INSTALL NEW BLINDS. TYPICAL AT ALL UNITS.
F. VB-X TO BE INSTALLED AT FRONT OF ALL SHOWERS.

KEYED REMARKS:

1. UNIT KITCHEN COUNTERTOP TO BE GRANITE. SEE FINISH LEGEND FOR COLOR.
2. ACCESSIBLE KITCHEN TO HAVE A TOP SET 6" HIGH x 3/4" THICK SQUARE EDGE BACKSPLASH. RECEPTACLES TO BE MOUNTED HORIZONTALLY IN THE BACKSPLASH (WHERE NOTED ON PLANS).

FINISH LEGEND

FLOORS:

CARPET - BROADLOOM (CR)
CR-1 MFG: MOHAWK GROUP
STYLE: ALNWICK CASTLE / 25 OZ. TUFTED TIPSHEAR
COLOR: TBD

CARPET TILE (CR)
CR-2 MFG: INTERFACE
STYLE: OPEN AIR 415
COLOR: 107016 NATURAL

FLOOR TILE (FT)
FT-1 MFG: DALTILE
STYLE: VOLUME 1.0 / 12" X 24"
COLOR: ACCENT BROWN VL78
GROUT: TBD

LUXURY VINYL PLANK (LVP)
(SEE ENLARGED PLANS FOR LVP PLANK INSTALL DIRECTION (DIR)
LVP-1 MFG: LANDMARK INTERIORS
COLLECTION: TERRAIN
COLOR: SWITCHBACK TR-04-22
SIZE: 9" X 60" PLANK 2.5MM 22MIL
INSTALL: RANDOM

RESILIENT SPORTS FLOOR (RSF)
RSF-1 MFG: MONDO
STYLE: SPORTS IMPACT 6MM
COLOR: TBD

SEALED CONCRETE (SC)

BASE:

RUBBER BASE (RB)
RB-1 MFG: JOHNSONITE
STYLE: RECESS 4.25" RWDC-63
COLOR: TBD

TILE WALL BASE (TWB)
TWB-1 MFG: DALTILE
STYLE: VOLUME 1.0 3" X 12" BULLNOSE
COLOR: ACCENT BROWN VL78
GROUT: TBD

WALLS:

FIBERGLASS REINFORCED PANEL (FRP)
FRP-1 MFG: CRANE COMPOSITES
PRODUCT: GLASBORD SANDSTONE TEXTURE
COLOR: TBD

PAINT (PT)
PT-1 MFG: SHERWIN WILLIAMS
COLOR: SW 7631 CITY LOFT
FINISH: SATIN/EG-SHEL

PT-2 MFG: SHERWIN WILLIAMS
COLOR: SW 7005 PURE WHITE
FINISH: SATIN/EG-SHEL

EPT-2 FINISH: EPOXY

PT-3 MFG: SHERWIN WILLIAMS
COLOR TBD
FINISH: TBD

PT-4 MFG: SHERWIN WILLIAMS
COLOR: TBD
FINISH: TBD

PT-5 MFG: SHERWIN WILLIAMS
COLOR: TBD
FINISH: TBD

PT-6 MFG: SHERWIN WILLIAMS
COLOR: TBD
FINISH: TBD

WALL TILE (WT)
WT-1 MFG: DALTILE
STYLE: VOLUME 1.0 / 12" X 24"
COLOR: ACCENT BROWN VL78
INSTALL: TBD / GROUT: TBD

WT-2 MFG: DALTILE
STYLE: COLOR WHEEL CLASSIC - 3" X 6"
COLOR: ARCTIC WHITE 0190
INSTALL: SUBWAY / GROUT: TBD

WT-3 MFG: DALTILE
STYLE: REMEDY 2" X 10"
COLOR: TBD
INSTALL: SUBWAY / GROUT: TBD

CEILINGS
A1 2X2 ACOUSTICAL LAY-IN - WHITE

A3 2X2 LAY-IN - BLACK W/ BLACK GRID

MISCELLANEOUS

CABINETS **UNITS**
MFG: REGENT CABINETS
STYLE: SHAKER SLAB / EXTREME CONS.
COLOR: TBD

AMENITY
MFG: REGENT CABINETS
STYLE: SHAKER SLAB / EXTREME CONS.
COLOR: TBD

COUNTERS - QUARTZ (QZ)
QZ-1 MFG: CORIAN / 3CM
COLOR: TBD
AMENITY COUNTERTOPS
2

COUNTERS - STONE (ST)
ST-1 MFG: TBD
PATTERN/STYLE: 3CM GRANITE
COLOR: TBD
UNIT KITCHEN COUNTERTOPS
2

ST-2 MFG: TBD
PATTERN/STYLE: 2CM GRANITE
COLOR: TBD
UNIT BATH COUNTERTOPS
2

GROUT (GT)
GT-1 MFG: MAPEI
COLOR: TBD

GT-2 MFG: MAPEI
COLOR: TBD
2

GENERAL NOTES - FINISH PLANS

1. STANDARDS AND PROCEDURES FOR THE PREPARATION AND APPLICATION OF INTERIOR FINISHES ARE DEFINED IN THE PROJECT MANUAL. FINISH (SUB) CONTRACTORS ARE REQUIRED TO READ, UNDERSTAND AND FOLLOW ALL RELEVANT SECTIONS OF THE PROJECT MANUAL.
2. FINISH MATERIALS ARE LISTED IN THE LEGEND COMPONENT OF THE FINISH SCHEDULE. SPECIFICATIONS ARE INCLUDED IN THE PROJECT MANUAL. ANY CONFLICTS OR DISCREPANCIES BETWEEN THESE TWO SHOULD BE BROUGHT TO THE ARCHITECT'S ATTENTION IMMEDIATELY.
3. NO FINISH MATERIAL SUBSTITUTIONS WILL BE ACCEPTED EXCEPT IN THE SPECIFIC CIRCUMSTANCES ENUMERATED IN THE PROJECT MANUAL.
4. PAINTED HOLLOW METAL DOORS AND FRAMES TO BE PAINTED TO MATCH ADJACENT WALL COLOR UNLESS NOTED OTHERWISE. MATERIAL, FINISH AND COLOR INFORMATION FOR ALL OTHER DOORS AND FRAMES IS CONTAINED IN THE DOOR SCHEDULE AND ITS ASSOCIATED LEGENDS. IF WALLS ON OPPOSITE SIDES OF DOOR FRAME ARE DIFFERENT COLORS THE PAINT COLORS SHOULD BE SPLIT AT THE JAMB OF THE FRAME.
5. ALL VERTICAL TRANSITIONS BETWEEN DIFFERING WALL FINISHES ARE TO BE MADE AT INSIDE CORNERS (UNLESS NOTED OTHERWISE).
6. FLOORING MATERIAL DESIGNATED FOR STAIRS IS TO INCLUDE STAIR AND ALL ASSOCIATED TREADS, RISERS, LANDINGS, ETC. (UNLESS NOTED OTHERWISE).
7. FOR CLARITY, SOME FINISH INFORMATION HAS BEEN PRESENTED GRAPHICALLY IN THE FORM OF FINISH AND FLOORING PLANS. SHOULD THERE BE A DISCREPANCY BETWEEN THE FINISH SCHEDULE AND THESE PLANS, THE ARCHITECT SHOULD BE NOTIFIED IMMEDIATELY. FOR THE PURPOSE OF BIDDING, INFORMATION DETAILED ON THE FINISH FLOOR PLANS AND FLOORING PLANS IS TO TAKE PRECEDENCE OVER THE FINISH SCHEDULE UNTIL FURTHER CLARIFICATION CAN BE GIVEN. FOR AREAS NOT SPECIFICALLY DETAILED ON THESE PLANS, THE FINISH SCHEDULE PERTAINS.
8. WHERE RESILIENT BASE IS SPECIFIED (VINYL OR RUBBER) PROVIDE COVE PROFILE BASE AT ALL RESILIENT FLOORS AND STRAIGHT BASE FOR ALL CARPET AREAS (UNLESS OTHERWISE NOTED). HEIGHT AND COLOR TO BE AS INDICATED ON FINISH LEGEND.
9. REFER TO REFLECTED CEILING PLANS AND SPECIFICATION MANUAL FOR ALL CEILING MATERIAL AND FINISH INFORMATION.
10. ALL DRYWALL SOFFITS TO BE PAINTED FLAT CEILING WHITE UNLESS NOTED OTHERWISE ON CEILING PLANS.
11. CERAMIC WALL TILE TO EXTEND FULL WIDTH AND FULL HEIGHT FOR ANY AND ALL SCHEDULED TILED WALLS (UNLESS NOTED OTHERWISE).
12. FOR EPOXY OR INTUMESCENT PAINT COLOR REFER TO PAINT SCHEDULE NUMBERS.
13. WITHIN FINISH SCHEDULE CELLS: SLASH MARKS INDICATE DIFFERENCES IN FINISH MATERIAL WHILE COMMAS INDICATE DIFFERENCES IN PATTERN OR COLOR WITHIN A SPECIFIC MATERIAL.
14. APPROPRIATE METAL OR VINYL TRANSITION STRIPS MUST BE PROVIDED AT ALL FINISH MATERIAL FLOORING CHANGES. GENERAL CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR ALL FLOORING TRANSITIONS AND AREAS IN WHICH FLOORING PATTERNS ARE SHOWN. SEE FLOOR FINISH PLANS, DETAILS AND NOTES FOR SPECIFIC INFORMATION.
15. WALL PAINT INDICATED FOR CURTAIN WALL LOCATIONS APPLIES TO ALL ASSOCIATED DRYWALL COMPONENTS (CURBS, HEADERS, BULKHEADS, ETC.) AND SHOULD NOT BE INTERPRETED AS APPLYING TO CURTAIN WALL COMPONENTS OR GLASS.
16. FLOORING CONTRACTOR(S) IS RESPONSIBLE FOR COORDINATING FINISHED FLOOR ELEVATIONS WITH ALL/ANY FLOOR MOUNTED COMPONENTS (RECEPTACLES, ACCESS PANELS, ETC.) SO THAT COMPONENTS ARE INTEGRATED AND FLUSH.

#	DATE	CHANGE DESCRIPTION
1	06/11/25	ADDENDUM# 01
2	06/25/25	ADDENDUM# 02

COLUMBUS METROPOLITAN HOUSING AUTHORITY
COMMUNITY. COMMITMENT. COLLABORATION.

THE FALLS ON REFUGEE ROAD
3355 REFUGEE ROAD. COLUMBUS, OH 43232
FOR
CMHA

300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: 614-461-4664

Moody Nolan
CERT. NO: FIRM 00197475

DRAWING TITLE:

FINISH SCHEDULE/LEGEND

05/01/2025
23446

PROGRESS DRAWING NOT FOR CONSTRUCTION

A800A

CD PROGRESS SET

REVIT VERSION: 2023
PRINT DATE: 6/26/2025 2:05:23 PM
FILE INFO: J:\Jobs\A Docs\23446_CMHA Refugee Rd Housing D\prnt - R23\23446_CMHA Refugee Rd Housing_ARCH_R23.rvt

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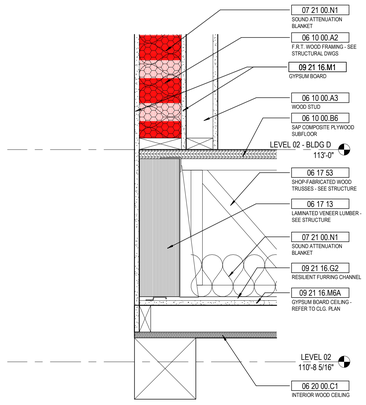
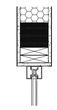
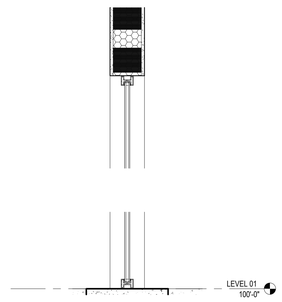


3 DETAIL OPENING @ FLOOR
1 1/2" = 1'-0" REF: 4 / A422



2 DETAIL DEMOUNTABLE GLAS WALL SYSTEM JAMB
1" = 1'-0" REF: 1 / A106D



1 DETAIL DEMOUNTABLE GLASS WALL SYSTEM
1" = 1'-0" REF: 5 / A513

GENERAL NOTES - INTERIOR DETAILS

1. X

KEYNOTE LEGEND

#	DATE	CHANGE DESCRIPTION
1	06/25/25	ADDENDUM# 02

COLUMBUS METROPOLITAN HOUSING AUTHORITY
COMMUNITY. COMMITMENT. COLLABORATION.

THE FALLS ON REFUGEE ROAD
3355 REFUGEE ROAD. COLUMBUS, OH 43232
FOR
CMHA

Moody Nolan
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: 614-461-4664
CERT. NO: FIRM 00197475

DRAWING TITLE:
INTERIOR DETAILS - CLUBHOUSE

05/01/2025
23446
PROGRESS DRAWING NOT FOR CONSTRUCTION
A825D
CD PROGRESS SET

REVIT VERSION: 2023
PRINT DATE: 6/26/2025 2:07:27 PM
FILE INFO: J:\Jobs\Jobs\23446_CMHA Refugee Rd Housing D\rpmt - R23\23446_CMHA Refugee Rd Housing D rpmt - R23.rvt

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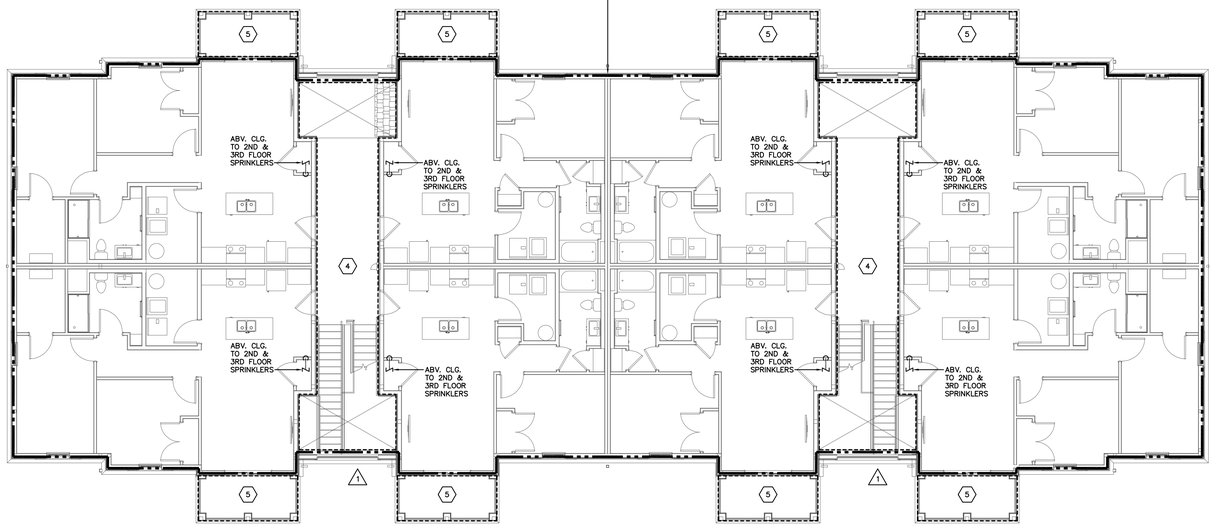
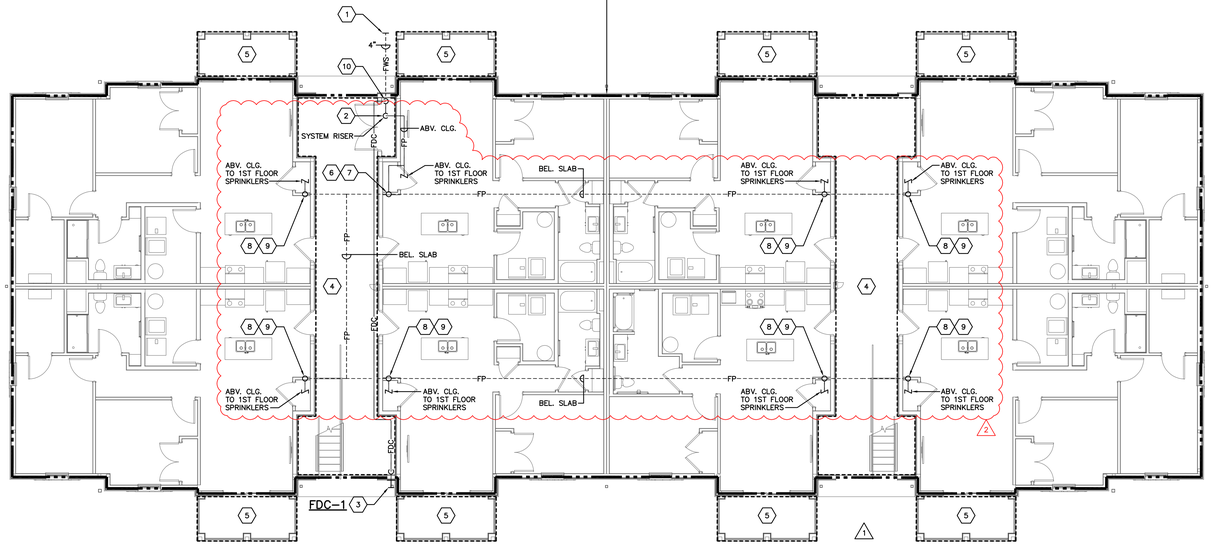
F.P. SPRINKLER ZONE 2 NOTE:
PROVIDE SPRINKLER PROTECTION FOR ZONE 2 (SECOND FLOOR) PER NFPA PAMPHLET NO. 13R LIGHT HAZARD OCCUPANCY REQUIREMENTS. COORDINATE SPRINKLER HEAD LOCATIONS WITH WORK OF OTHER CONTRACTORS AND THE ARCHITECT. SEE FIRE PROTECTION NOTES ON SHEET FP301 FOR FLOWS, DENSITIES, SPACING, AND OTHER REQUIREMENTS. SEE ARCHITECTURAL PLANS FOR ROOM TYPES AND LOCATIONS OF FIRE SEPARATION WALLS AND RATED WALLS. SEE ARCHITECTURAL DRAWINGS FOR CEILING TYPES AND DETAILS.



LEVEL 02 FIRE PROTECTION PLAN – BUILDING A
SCALE: 1/8"=1'-0"

F.P. SPRINKLER ZONE 1 NOTE:
PROVIDE SPRINKLER PROTECTION FOR ZONE 1 (FIRST FLOOR) PER NFPA PAMPHLET NO. 13R LIGHT HAZARD OCCUPANCY REQUIREMENTS. COORDINATE SPRINKLER HEAD LOCATIONS WITH WORK OF OTHER CONTRACTORS AND THE ARCHITECT. SEE FIRE PROTECTION NOTES ON SHEET FP301 FOR FLOWS, DENSITIES, SPACING, AND OTHER REQUIREMENTS. SEE ARCHITECTURAL PLANS FOR ROOM TYPES AND LOCATIONS OF FIRE SEPARATION WALLS AND RATED WALLS. SEE ARCHITECTURAL DRAWINGS FOR CEILING TYPES AND DETAILS.



LEVEL 01 FIRE PROTECTION PLAN – BUILDING A
SCALE: 1/8"=1'-0"

THIS DRAWING IS NOT BEING SUBMITTED FOR PLAN APPROVAL PURPOSES

THIS PLAN IS PREPARED TO ASSIST FIRE PROTECTION (SUB)CONTRACTORS IN SUBMITTING A BID. SUCCESSFUL LICENSED FIRE PROTECTION (SUB)CONTRACTOR SHALL PREPARE DETAILED CONSTRUCTION DRAWINGS, PERFORM DETAILED HYDRAULIC FLOW CALCULATIONS, PAY FOR PLAN APPROVAL FEES, OBTAIN PERMITS, AND SUBMIT DOCUMENTS TO AUTHORITY(IES) HAVING JURISDICTION FOR REVIEW.

FP101-A-24217.DWG

PRATER
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Dublin, Ohio 43016
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FAX: (614) 766 2354

DESIGNED BY	DRAWN BY	CHECKED BY	JOB NUM.
B.BURNS	B.BURNS	C.ANDERSON	24217

CODED NOTES

1. 4" FIRE WATER SERVICE (FWS) FROM FIRE WATER SERVICE LOOP TO 5'-0" OUTSIDE BUILDING PERIMETER BY SITE UTILITY CONTRACTOR. FIRE PROTECTION CONTRACTOR SHALL CONNECT TO AND EXTEND 4" FWS INTO BUILDING. COORDINATE PIPE MATERIAL TO MATCH WITH SITE UTILITY CONTRACTOR. COORDINATE CONNECTION AND DEPTH OF PIPING WITH SITE UTILITY CONTRACTOR AND CONSTRUCTION MANAGER.
2. 4" FIRE WATER SERVICE FROM BELOW SLAB FLANGED AT A MIN. 12" ABOVE FINISH FLOOR BY FIRE PROTECTION CONTRACTOR. SEE ENLARGED PLAN ON SHEET FP201 FOR ADDITIONAL INFORMATION AND SCOPE OF WORK AT THIS LOCATION.
3. PROVIDE 2-1/2" SINGLE FLUSH FIRE DEPARTMENT INLET CONNECTION AT WALL STRUCTURE BY THIS CONTRACTOR. REFER TO FIRE PROTECTION EQUIPMENT SCHEDULE ON SHEET FP301 FOR SPECIFICATIONS. EXACT LOCATION AND MOUNTING HEIGHT TO BE COORDINATED WITH THE LOCAL FIRE CODE AUTHORITY IN ADVANCE OF WORK. COORDINATE INSTALLATION WITH ARCHITECT, CONSTRUCTION MANAGER AND WORK OF OTHER TRADES IN ADVANCE OF ANY WORK.
4. PROVIDE DRY BARREL SIDEWALL SPRINKLER HEADS CONNECTED TO WET PIPE FIRE PROTECTION SYSTEM WITHIN UNITS FOR BREEZEWAY AREA. SPRINKLER SYSTEM SHALL MEET THE MINIMUM REQUIREMENTS OF NFPA PAMPHLET NO. 13R LIGHT HAZARD OCCUPANCY. SEE FIRE PROTECTION NOTES ON SHEET FP301.
5. PROVIDE EXTENDED COVERAGE DRY-BARREL SIDE-WALL HEADS WITH MANUFACTURER APPLIED POLYESTER FINISH, COLOR PER ARCHITECT, AT UNDERSIDE OF EXTERIOR BALCONY. INSTALLATION TO BE COORDINATED WITH ARCHITECT AND STRUCTURE IN ADVANCE OF ANY WORK. SEE FIRE PROTECTION NOTES ON SHEET FP301.
6. DROP SPRINKLER SUPPLY PIPING FROM ABOVE CEILING IN WALL STRUCTURE TO BELOW SLAB. PROVIDE LOCKABLE SHUTOFF VALVE BEHIND LOCKABLE ACCESS PANEL 12" ABOVE FINISH FLOOR.
7. SECOND AND THIRD FLOOR SPRINKLER SUPPLY PIPING IN WALL STRUCTURE UP TO SECOND FLOOR.
8. RISE SPRINKLER SUPPLY PIPING FROM BELOW SLAB IN WALL STRUCTURE TO ABOVE CEILING. PROVIDE LOCKABLE SHUTOFF VALVE BEHIND LOCKABLE ACCESS PANEL 12" ABOVE FINISH FLOOR.
9. RISE SECOND AND THIRD FLOOR SPRINKLER SUPPLY PIPING IN WALL STRUCTURE TO SECOND FLOOR.
10. DROP 2-1/2" FDC INLET PIPING IN RISER CLOSET TO INLET CHECK VALVE. ALL PIPING IN BREEZEWAY FROM FDC TO CHECK VALVE IN RISER CLOSET SHALL BE DRY.

PIPING INSTALLATION NOTE

A SINGLE FLOOR CONTROL VALVE ASSEMBLY FOR BOTH THE 2ND AND 3RD FLOORS SHALL BE PROVIDED IN THE FIRST FLOOR ELECTRIC/WATER CLOSET, CONNECTED TO THE SYSTEM RISER AT THAT LOCATION. SPRINKLER SUPPLY PIPING FOR THE COMBINED 2ND AND 3RD FLOORS SHALL BE EXTENDED FROM THE FLOOR CONTROL ASSEMBLY AND RISE IN THE WALL STRUCTURE TO ABOVE THE 2ND FLOOR CEILING WITH DROPS TO PENDENT AND SIDEWALL HEADS ON THE 2ND FLOOR LEVEL AND IN-WALL RISERS TO SIDEWALL HEADS ON THE 3RD FLOOR LEVEL.

NO FIRE PROTECTION SPRINKLER PIPING SHALL BE INSTALLED IN EXTERIOR WALLS, BREEZEWAY WALLS, ABOVE THE BREEZEWAY CEILINGS OR ABOVE THE 3RD FLOOR CEILINGS.

#	DATE	CHANGE DESCRIPTION
1	06/10/2025	ADDENDUM# 01
2	06/25/2025	ADDENDUM# 02

COLUMBUS METROPOLITAN HOUSING AUTHORITY
COMMUNITY. COMMITMENT. COLLABORATION.

THE FALLS ON REFUGEE ROAD
3355 REFUGEE ROAD, COLUMBUS, OH 43232
FOR
CMHA

Moody Nolan
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: 614-461-4664
CERT. NO: FIRM 00197475

DRAWING TITLE:
BUILDING A - LEVEL 01 & 02 FIRE PROTECTION PLANS

PROGRESS DRAWING NOT FOR CONSTRUCTION

05/01/2025
23446
FP101-A
CD PROGRESS SET

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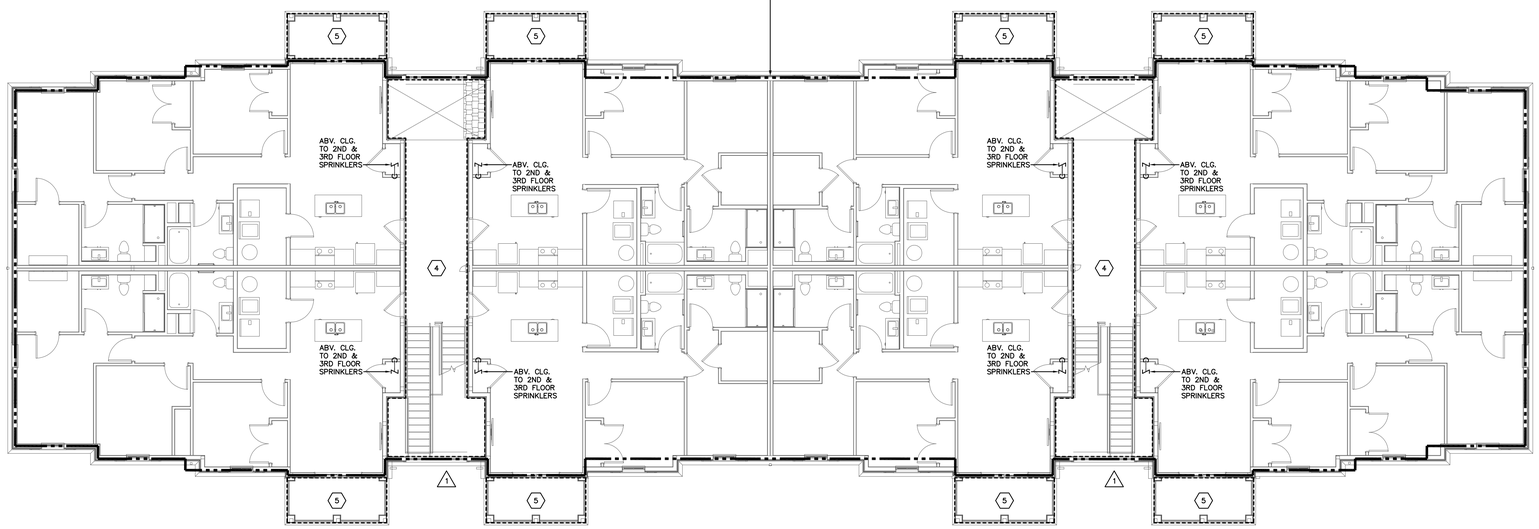
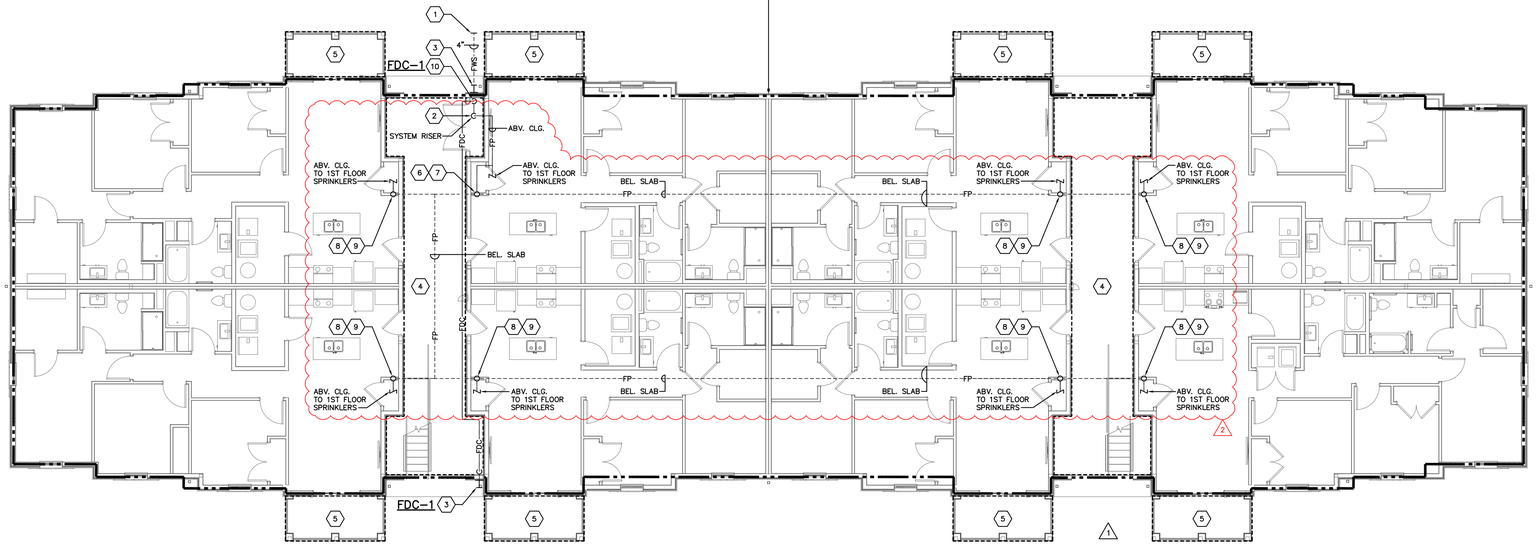
F.P. SPRINKLER ZONE 2 NOTE:
PROVIDE SPRINKLER PROTECTION FOR ZONE 2 (SECOND FLOOR) PER NFPA PAMPHLET NO. 13R LIGHT HAZARD OCCUPANCY REQUIREMENTS. COORDINATE SPRINKLER HEAD LOCATIONS WITH WORK OF OTHER CONTRACTORS AND THE ARCHITECT. SEE FIRE PROTECTION NOTES ON SHEET FP301 FOR FLOWS, DENSITIES, SPACING, AND OTHER REQUIREMENTS. SEE ARCHITECTURAL PLANS FOR ROOM TYPES AND LOCATIONS OF FIRE SEPARATION WALLS AND RATED WALLS. SEE ARCHITECTURAL DRAWINGS FOR CEILING TYPES AND DETAILS.



LEVEL 02 FIRE PROTECTION PLAN – BUILDING B
SCALE: 1/8"=1'-0"

F.P. SPRINKLER ZONE 1 NOTE:
PROVIDE SPRINKLER PROTECTION FOR ZONE 1 (FIRST FLOOR) PER NFPA PAMPHLET NO. 13R LIGHT HAZARD OCCUPANCY REQUIREMENTS. COORDINATE SPRINKLER HEAD LOCATIONS WITH WORK OF OTHER CONTRACTORS AND THE ARCHITECT. SEE FIRE PROTECTION NOTES ON SHEET FP301 FOR FLOWS, DENSITIES, SPACING, AND OTHER REQUIREMENTS. SEE ARCHITECTURAL PLANS FOR ROOM TYPES AND LOCATIONS OF FIRE SEPARATION WALLS AND RATED WALLS. SEE ARCHITECTURAL DRAWINGS FOR CEILING TYPES AND DETAILS.



LEVEL 01 FIRE PROTECTION PLAN – BUILDING B
SCALE: 1/8"=1'-0"

CODED NOTES

1. 4" FIRE WATER SERVICE (FWS) FROM FIRE WATER SERVICE LOOP TO 5'-0" OUTSIDE BUILDING PERIMETER BY SITE UTILITY CONTRACTOR. FIRE PROTECTION CONTRACTOR SHALL CONNECT TO AND EXTEND 4" FWS INTO BUILDING. COORDINATE PIPE MATERIAL TO MATCH WITH SITE UTILITY CONTRACTOR. COORDINATE CONNECTION AND DEPTH OF PIPING WITH SITE UTILITY CONTRACTOR AND CONSTRUCTION MANAGER.
2. 4" FIRE WATER SERVICE FROM BELOW SLAB FLANGED AT A MIN. 12" ABOVE FINISH FLOOR BY FIRE PROTECTION CONTRACTOR. SEE ENLARGED PLAN ON SHEET FP201 FOR ADDITIONAL INFORMATION AND SCOPE OF WORK AT THIS LOCATION.
3. PROVIDE 2-1/2" SINGLE FLUSH FIRE DEPARTMENT INLET CONNECTION AT WALL STRUCTURE BY THIS CONTRACTOR. REFER TO FIRE PROTECTION EQUIPMENT SCHEDULE ON SHEET FP301 FOR SPECIFICATIONS. FDC SHALL BE LOCATED ON PARKING SIDE OF BUILDING. EXACT LOCATION AND MOUNTING HEIGHT TO BE COORDINATED WITH THE LOCAL FIRE CODE AUTHORITY IN ADVANCE OF WORK. COORDINATE INSTALLATION WITH ARCHITECT, CONSTRUCTION MANAGER AND WORK OF OTHER TRADES IN ADVANCE OF ANY WORK.
4. PROVIDE DRY BARREL SIDEWALL SPRINKLER HEADS CONNECTED TO WET PIPE FIRE PROTECTION SYSTEM WITHIN UNITS FOR BREEZEWAY AREA. SPRINKLER SYSTEM SHALL MEET THE MINIMUM REQUIREMENTS OF NFPA PAMPHLET NO. 13R LIGHT HAZARD OCCUPANCY. SEE FIRE PROTECTION NOTES ON SHEET FP301.
5. PROVIDE EXTENDED COVERAGE DRY-BARREL SIDE-WALL HEADS WITH MANUFACTURER APPLIED POLYESTER FINISH, COLOR PER ARCHITECT, AT UNDERSIDE OF EXTERIOR BALCONY. INSTALLATION TO BE COORDINATED WITH ARCHITECT AND STRUCTURE IN ADVANCE OF ANY WORK. SEE FIRE PROTECTION NOTES ON SHEET FP301.
6. DROP SPRINKLER SUPPLY PIPING FROM ABOVE CEILING IN WALL STRUCTURE TO BELOW SLAB. PROVIDE LOCKABLE SHUTOFF VALVE BEHIND LOCKABLE ACCESS PANEL 12" ABOVE FINISH FLOOR.
7. SECOND AND THIRD FLOOR SPRINKLER SUPPLY PIPING IN WALL STRUCTURE UP TO SECOND FLOOR.
8. RISE SPRINKLER SUPPLY PIPING FROM BELOW SLAB IN WALL STRUCTURE TO ABOVE CEILING. PROVIDE LOCKABLE SHUTOFF VALVE BEHIND LOCKABLE ACCESS PANEL 12" ABOVE FINISH FLOOR.
9. RISE SECOND AND THIRD FLOOR SPRINKLER SUPPLY PIPING IN WALL STRUCTURE TO SECOND FLOOR.
10. DROP 2-1/2" FDC INLET PIPING IN RISER CLOSET TO INLET CHECK VALVE. ALL PIPING IN BREEZEWAY FROM FDC TO CHECK VALVE IN RISER CLOSET SHALL BE DRY.

PIPING INSTALLATION NOTE

A SINGLE FLOOR CONTROL VALVE ASSEMBLY FOR BOTH THE 2ND AND 3RD FLOORS SHALL BE PROVIDED IN THE FIRST FLOOR ELECTRIC/WATER CLOSET, CONNECTED TO THE SYSTEM RISER AT THAT LOCATION. SPRINKLER SUPPLY PIPING FOR THE COMBINED 2ND AND 3RD FLOORS SHALL BE EXTENDED FROM THE FLOOR CONTROL ASSEMBLY AND RISE IN THE WALL STRUCTURE TO ABOVE THE 2ND FLOOR CEILING WITH DROPS TO PENDENT AND SIDEWALL HEADS ON THE 2ND FLOOR LEVEL AND IN-WALL RISERS TO SIDEWALL HEADS ON THE 3RD FLOOR LEVEL.

NO FIRE PROTECTION SPRINKLER PIPING SHALL BE INSTALLED IN EXTERIOR WALLS, BREEZEWAY WALLS, ABOVE THE BREEZEWAY CEILINGS OR ABOVE THE 3RD FLOOR CEILINGS.

#	DATE	CHANGE DESCRIPTION
1	06/10/2025	ADDENDUM# 01
2	06/25/2025	ADDENDUM# 02

COLUMBUS METROPOLITAN HOUSING AUTHORITY
COMMUNITY. COMMITMENT. COLLABORATION.

THE FALLS ON REFUGEE ROAD
3355 REFUGEE ROAD, COLUMBUS, OH 43232
FOR
CMHA

Moody Nolan
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: 614-461-4664
CERT. NO: FIRM 00197475

DRAWING TITLE:
BUILDING B - LEVEL 01 & 02 FIRE PROTECTION PLANS

PROGRESS DRAWING NOT FOR CONSTRUCTION

05/01/2025
23446
FP103-B
CD PROGRESS SET

FP103-B-24217.DWG

THIS DRAWING IS NOT BEING SUBMITTED FOR PLAN APPROVAL PURPOSES

THIS PLAN IS PREPARED TO ASSIST FIRE PROTECTION (SUB)CONTRACTORS IN SUBMITTING A BID. SUCCESSFUL LICENSED FIRE PROTECTION (SUB)CONTRACTOR SHALL PREPARE DETAILED CONSTRUCTION DRAWINGS, PERFORM DETAILED HYDRAULIC FLOW CALCULATIONS, PAY FOR PLAN APPROVAL FEES, OBTAIN PERMITS, AND SUBMIT DOCUMENTS TO AUTHORITY(IES) HAVING JURISDICTION FOR REVIEW.

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DESIGNED BY	DRAWN BY	CHECKED BY	JOB NUM.
B.BURNS	B.BURNS	C.ANDERSON	24217

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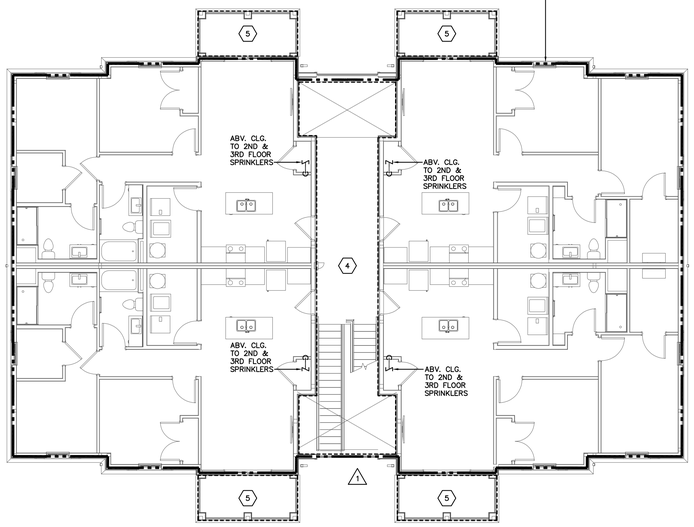
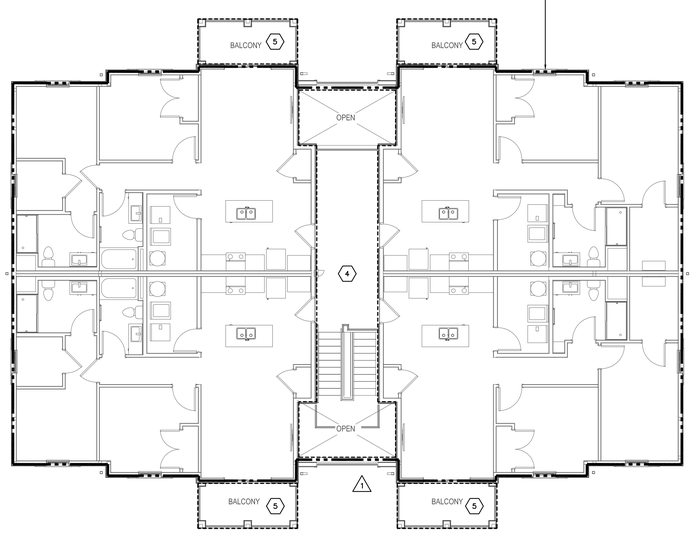
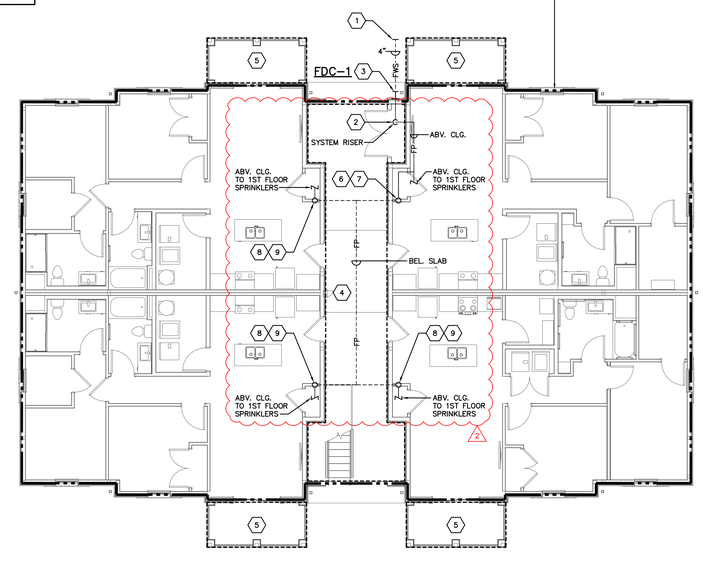


LEVEL 02 FIRE PROTECTION PLAN – BUILDING C
SCALE: 1/8"=1'-0"



LEVEL 03 FIRE PROTECTION PLAN – BUILDING C
SCALE: 1/8"=1'-0"



LEVEL 01 FIRE PROTECTION PLAN – BUILDING C
SCALE: 1/8"=1'-0"

CODED NOTES

1. 4" FIRE WATER SERVICE (FWS) FROM FIRE WATER SERVICE LOOP TO 5'-0" OUTSIDE BUILDING PERIMETER BY SITE UTILITY CONTRACTOR. FIRE PROTECTION CONTRACTOR SHALL CONNECT TO AND EXTEND 4" FWS INTO BUILDING. COORDINATE PIPE MATERIAL TO MATCH WITH SITE UTILITY CONTRACTOR. COORDINATE CONNECTION AND DEPTH OF PIPING WITH SITE UTILITY CONTRACTOR AND CONSTRUCTION MANAGER.
2. 4" FIRE WATER SERVICE FROM BELOW SLAB FLANGED AT A MIN. 12" ABOVE FINISH FLOOR BY FIRE PROTECTION CONTRACTOR. SEE ENLARGED PLAN ON SHEET FP201 FOR ADDITIONAL INFORMATION AND SCOPE OF WORK AT THIS LOCATION.
3. PROVIDE 2-1/2" SINGLE FLUSH FIRE DEPARTMENT INLET CONNECTION AT WALL STRUCTURE BY THIS CONTRACTOR. REFER TO FIRE PROTECTION EQUIPMENT SCHEDULE ON SHEET FP301 FOR SPECIFICATIONS. EXACT LOCATION AND MOUNTING HEIGHT TO BE COORDINATED WITH THE LOCAL FIRE CODE AUTHORITY IN ADVANCE OF WORK. COORDINATE INSTALLATION WITH ARCHITECT, CONSTRUCTION MANAGER AND WORK OF OTHER TRADES IN ADVANCE OF ANY WORK.
4. PROVIDE DRY BARREL SIDEWALL SPRINKLER HEADS CONNECTED TO WET PIPE FIRE PROTECTION SYSTEM WITHIN UNITS FOR BREEZEWAY AREA. SPRINKLER SYSTEM SHALL MEET THE MINIMUM REQUIREMENTS OF NFPA PAMPHLET NO. 13R LIGHT HAZARD OCCUPANCY. SEE FIRE PROTECTION NOTES ON SHEET FP301.
5. PROVIDE EXTENDED COVERAGE DRY-BARREL SIDE-WALL HEADS WITH MANUFACTURER APPLIED POLYESTER FINISH, COLOR PER ARCHITECT, AT UNDERSIDE OF EXTERIOR BALCONY. INSTALLATION TO BE COORDINATED WITH ARCHITECT AND STRUCTURE IN ADVANCE OF ANY WORK. SEE FIRE PROTECTION NOTES ON SHEET FP301.

2
6. DROP SPRINKLER SUPPLY PIPING FROM ABOVE CEILING IN WALL STRUCTURE TO BELOW SLAB. PROVIDE LOCKABLE SHUTOFF VALVE BEHIND LOCKABLE ACCESS PANEL 12" ABOVE FINISH FLOOR.
7. SECOND AND THIRD FLOOR SPRINKLER SUPPLY PIPING IN WALL STRUCTURE UP TO SECOND FLOOR.
8. RISE SPRINKLER SUPPLY PIPING FROM BELOW SLAB IN WALL STRUCTURE TO ABOVE CEILING. PROVIDE LOCKABLE SHUTOFF VALVE BEHIND LOCKABLE ACCESS PANEL 12" ABOVE FINISH FLOOR.
9. RISE SECOND AND THIRD FLOOR SPRINKLER SUPPLY PIPING IN WALL STRUCTURE TO SECOND FLOOR.

PIPING INSTALLATION NOTE

A SINGLE FLOOR CONTROL VALVE ASSEMBLY FOR BOTH THE 2ND AND 3RD FLOORS SHALL BE PROVIDED IN THE FIRST FLOOR ELECTRIC/WATER CLOSET, CONNECTED TO THE SYSTEM RISER AT THAT LOCATION. SPRINKLER SUPPLY PIPING FOR THE COMBINED 2ND AND 3RD FLOORS SHALL BE EXTENDED FROM THE FLOOR CONTROL ASSEMBLY AND RISE IN THE WALL STRUCTURE TO ABOVE THE 2ND FLOOR CEILING WITH DROPS TO PENDENT AND SIDEWALL HEADS ON THE 2ND FLOOR LEVEL AND IN-WALL RISERS TO SIDEWALL HEADS ON THE 3RD FLOOR LEVEL.

NO FIRE PROTECTION SPRINKLER PIPING SHALL BE INSTALLED IN EXTERIOR WALLS, BREEZEWAY WALLS, ABOVE THE BREEZEWAY CEILINGS OR ABOVE THE 3RD FLOOR CEILINGS.

#	DATE	CHANGE DESCRIPTION
1	06/10/2025	ADDENDUM# 01
2	06/25/2025	ADDENDUM# 02

COLUMBUS METROPOLITAN HOUSING AUTHORITY
COMMUNITY. COMMITMENT. COLLABORATION.

THE FALLS ON REFUGEE ROAD
3355 REFUGEE ROAD, COLUMBUS, OH 43232
FOR
CMHA

Moody Nolan
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COLUMBUS, OHIO 43215
PHONE: 614-461-4664
CERT. NO: FIRM 00197475

DRAWING TITLE:
BUILDING C
FIRE PROTECTION PLANS

PROGRESS DRAWING NOT FOR CONSTRUCTION

05/01/2025
23446
FP105-C
CD PROGRESS SET

FP105-C-24217.DWG

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DESIGNED BY	DRAWN BY	CHECKED BY	JOB NUM.
B.BURNS	B.BURNS	C.ANDERSON	24217

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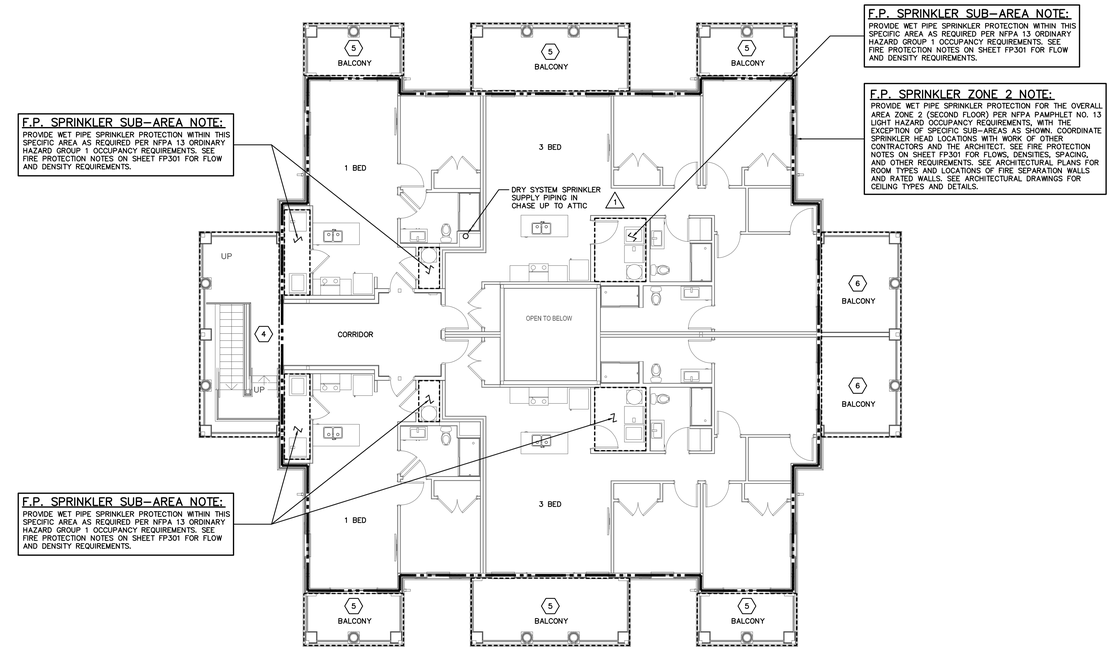
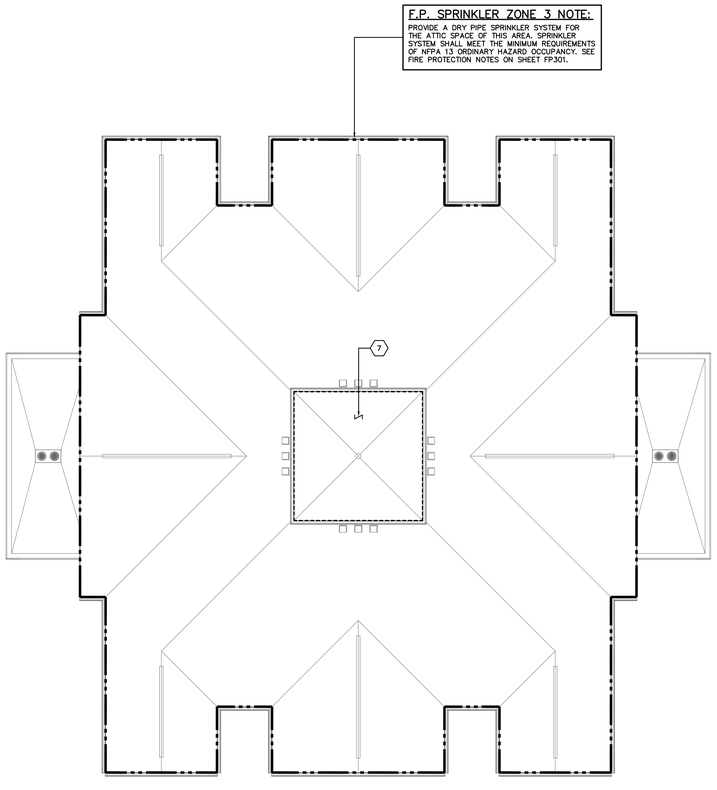


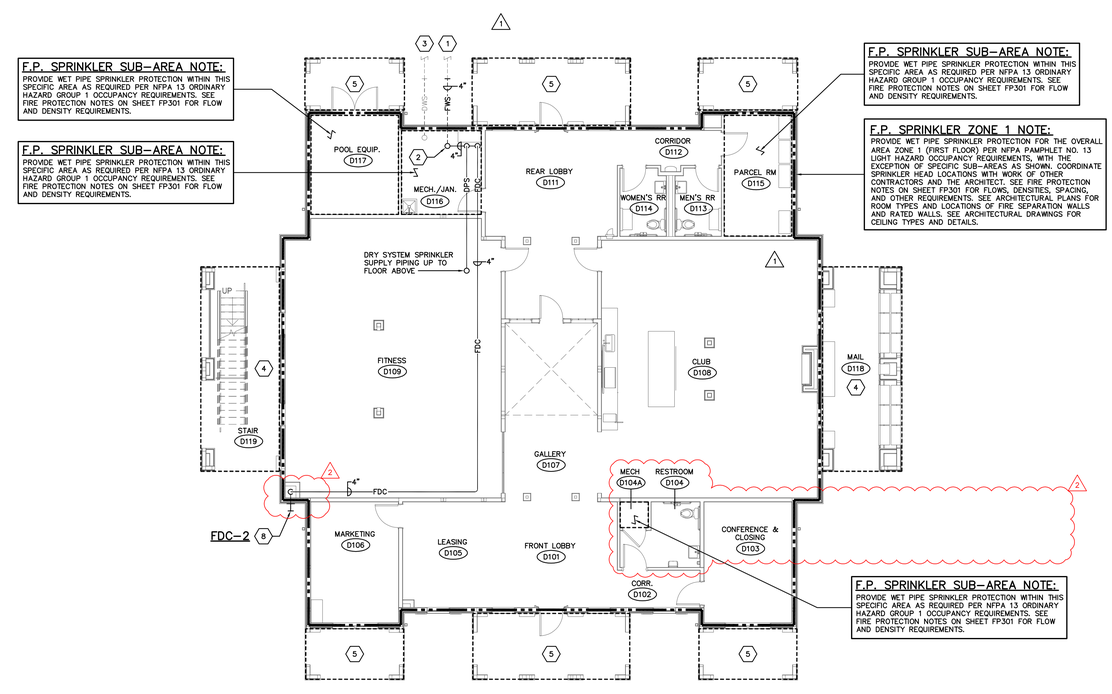
LEVEL 02 FIRE PROTECTION PLAN – BUILDING D

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



ROOF FIRE PROTECTION PLAN – BUILDING D

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



LEVEL 01 FIRE PROTECTION PLAN – BUILDING D

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

CODED NOTES

1. 4" FIRE WATER SERVICE (FWS) FROM SITE FIRE WATER SERVICE LOOP TO 5'-0" OUTSIDE BUILDING PERIMETER BY SITE UTILITY CONTRACTOR. FIRE PROTECTION CONTRACTOR SHALL CONNECT TO AND EXTEND 4" FWS INTO BUILDING. REFER TO ENLARGED RISER ROOM FIRE PROTECTION PLAN ON SHEET FP201 FOR CONTINUATION. COORDINATE PIPE MATERIAL TO MATCH WITH SITE UTILITY CONTRACTOR. COORDINATE CONNECTION AND DEPTH OF PIPING WITH SITE UTILITY CONTRACTOR AND CONSTRUCTION MANAGER.
2. 4" FIRE WATER SERVICE FROM BELOW SLAB FLANGED AT A MIN. 12" ABOVE FINISH FLOOR BY FIRE PROTECTION CONTRACTOR. SEE ENLARGED PLAN ON SHEET FP201 FOR ADDITIONAL INFORMATION AND SCOPE OF WORK AT THIS LOCATION.
3. 2-1/2" DOMESTIC WATER SERVICE (DWS). SEE PLUMBING DRAWINGS.
4. PROVIDE DRY BARREL SIDEWALL SPRINKLER HEADS CONNECTED TO WET PIPE FIRE PROTECTION SYSTEM WITHIN BUILDING FOR BREEZEWAY AREA. SPRINKLER SYSTEM SHALL MEET THE MINIMUM REQUIREMENTS OF NFPA PAMPHLET NO. 13R LIGHT HAZARD OCCUPANCY. SEE FIRE PROTECTION NOTES ON SHEET FP301.
5. PROVIDE EXTENDED COVERAGE DRY-BARREL SIDE-WALL HEADS WITH MANUFACTURER APPLIED POLYESTER FINISH, COLOR PER ARCHITECT, AT UNDERSIDE OF EXTERIOR BALCONY. INSTALLATION TO BE COORDINATED WITH ARCHITECT AND STRUCTURE IN ADVANCE OF ANY WORK. SEE FIRE PROTECTION NOTES ON SHEET FP301.
6. PROVIDE EXTENDED COVERAGE DRY-BARREL SIDE-WALL HEADS WITH MANUFACTURER APPLIED POLYESTER FINISH, COLOR PER ARCHITECT, AT UNDERSIDE OF OPEN TERRACE. INSTALLATION TO BE COORDINATED WITH ARCHITECT AND STRUCTURE IN ADVANCE OF ANY WORK. SEE FIRE PROTECTION NOTES ON SHEET FP301.
7. PROVIDE HIGH TEMPERATURE HEADS IN CUPOLA.
8. PROVIDE STORZ FIRE DEPARTMENT INLET CONNECTION AT WALL STRUCTURE BY THIS CONTRACTOR. REFER TO FIRE PROTECTION EQUIPMENT SCHEDULE ON SHEET FP301 FOR SPECIFICATIONS. EXACT LOCATION AND MOUNTING HEIGHT TO BE COORDINATED WITH THE LOCAL FIRE CODE AUTHORITY IN ADVANCE OF WORK. COORDINATE INSTALLATION WITH ARCHITECT, CONSTRUCTION MANAGER AND WORK OF OTHER TRADES IN ADVANCE OF ANY WORK.

PIPING INSTALLATION NOTE

A SINGLE FLOOR CONTROL VALVE ASSEMBLY FOR BOTH THE 1ST AND 2ND FLOORS SHALL BE PROVIDED IN THE FIRST FLOOR MECHANICAL ROOM, CONNECTED TO THE SYSTEM RISER AT THAT LOCATION. SPRINKLER SUPPLY PIPING FOR THE COMBINED 1ST AND 2ND FLOORS SHALL BE EXTENDED FROM THE FLOOR CONTROL ASSEMBLY AND RISE IN THE WALL STRUCTURE TO ABOVE THE 2ND FLOOR CEILING WITH DROPS TO PENDENT AND SIDEWALL HEADS ON THE 1ST FLOOR LEVEL AND IN-WALL RISERS TO SIDEWALL HEADS ON THE 2ND FLOOR LEVEL.

NO WET SYSTEM SPRINKLER PIPING SHALL BE INSTALLED IN EXTERIOR WALLS, BREEZEWAY WALLS, ABOVE THE BREEZEWAY CEILINGS OR ABOVE THE 2ND FLOOR CEILINGS.

#	DATE	CHANGE DESCRIPTION
1	06/10/2025	ADDENDUM# 01
2	06/25/2025	ADDENDUM# 02

COLUMBUS METROPOLITAN HOUSING AUTHORITY
COMMUNITY. COMMITMENT. COLLABORATION.

THE FALLS ON REFUGEE ROAD
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FOR
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PHONE: 614-461-4664
CERT. NO: FIRM 00197475

DRAWING TITLE:
BUILDING D - LEVEL 01 & 02 FIRE PROTECTION PLANS

PROGRESS DRAWING NOT FOR CONSTRUCTION

05/01/2025
23446
FD106-D
CD PROGRESS SET

FP106-D-24217.DWG

PRATER
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Dublin, Ohio 43016 FAX: (614) 766 2354

DESIGNED BY	DRAWN BY	CHECKED BY	JOB NUM.
B.BURNS	B.BURNS	C.ANDERSON	24217

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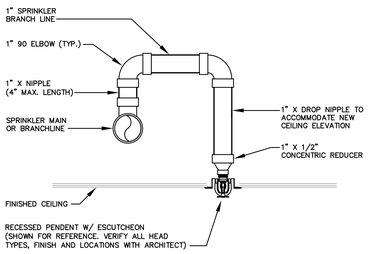
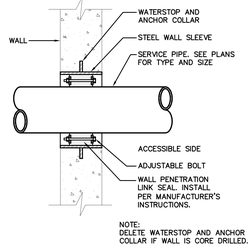
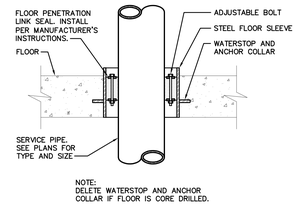


TYPICAL ARMOVER DETAIL
NO SCALE



WALL PENETRATION WATERTIGHT PIPE SEAL DETAIL
NO SCALE



FLOOR SLAB PENETRATION WATERTIGHT PIPE SEAL DETAIL
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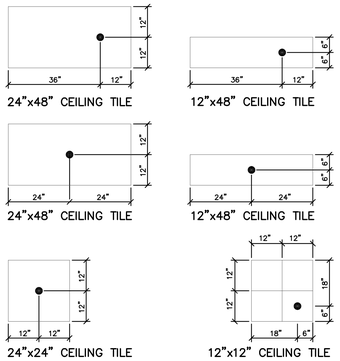
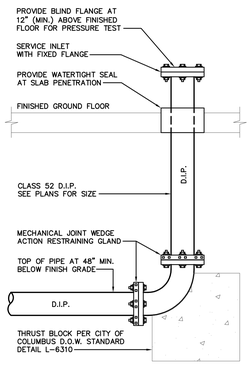
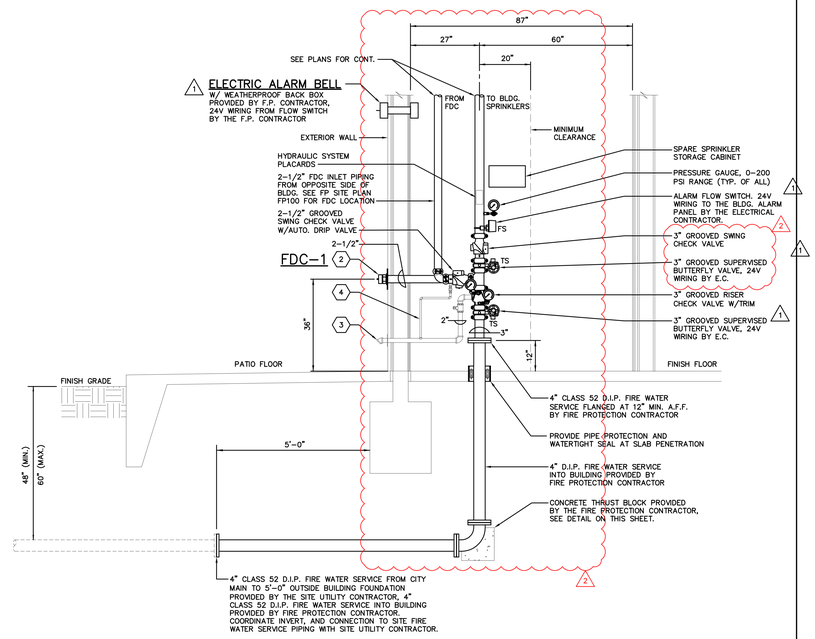


SPRINKLER HEAD LOCATION NOTES:
1. ALL LOCATIONS INDICATED ARE TO BE MAINTAINED WITHIN PLUS OR MINUS 1/2", AND ALIGNED WITH ADJACENT HEADS FOR A UNIFORM, EVEN APPEARANCE OF COMPLETED INSTALLATION. POSITIONS INDICATED APPLY TO FULL SIZE SMOOTH SURFACE TILES, AS WELL AS FULL SIZE SUB-GRIDDED (SCORED OR GRAPHIC-ALLY DIVIDED) SURFACE TILES. THE APPEARANCE OF THE FINISHED CEILING TILE FACE AS INSTALLED OVERRIDES THE ACTUAL PHYSICAL DIMENSIONS OF THE TILE FOR PLACEMENTS INDICATED HEREIN. VERIFY CEILING TILE TYPES FROM ARCHI-TECTURAL DOCUMENTATION.
2. PENDANT SPRINKLER HEADS TO BE INSTALLED WITH DEFLECTORS AT SAME ELEV-ATION AS ADJACENT SPRINKLERS IN SAME AREA/ENCLOSURE, PLUS OR MINUS 1/4". RECESSED HEADS TO BE INSTALLED SO DEFLECTOR IS A MAXIMUM OF 1" BELOW THE ELEVATION OF THE CEILING PLANE. CONCEALED HEADS TO BE IN-STALLED WITH COVERS FLUSH TO CEILING PLANE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
3. INSTALLATION OF ALL SPRINKLER HEADS TO BE COORDINATED WITH STRUCTURE AND WORK OF OTHER TRADES, VERIFIED IN ADVANCE BY THE FIRE PROTECTION CONTRACTOR.

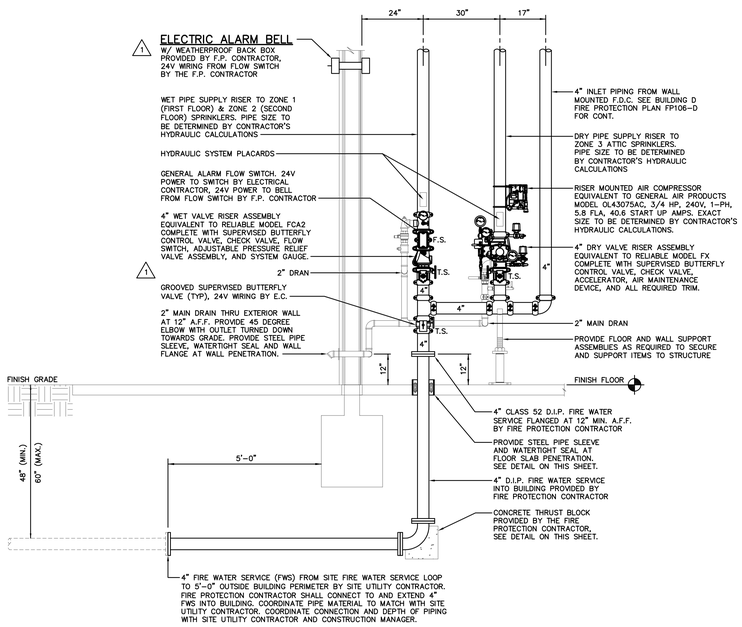
SPRINKLER HEAD LOCATION DETAIL
NO SCALE



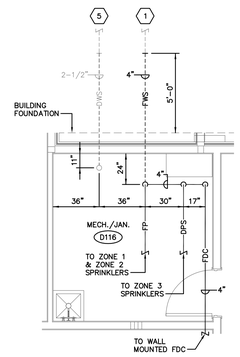
THRUST BLOCK DETAIL
NO SCALE



BUILDINGS A, B, & C
FIRE WATER SERVICE RISER DIAGRAM

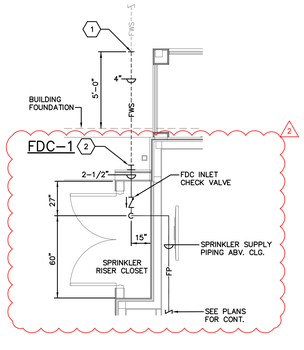


BUILDINGS D - CLUBHOUSE
FIRE WATER SERVICE RISER DIAGRAM



BUILDINGS D - CLUBHOUSE
ENLARGED MECH./JAN. ROOM
SCALE: 1/4"=1'-0"

WATER SERVICE NOTES
1. WATER SERVICE ENTRANCE MATERIALS, INSTALLATION, AND ALL COMPONENTS (INCLUDING BUT NOT LIMITED TO METERS AND BACKFLOW PREVENTERS) TO BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CITY OF COLUMBUS DIVISION OF WATER, VERIFIED IN ADVANCE OF ANY WORK.
2. PROVIDE FLOOR AND WALL SUPPORT ASSEMBLIES AS REQUIRED TO SECURE AND SUPPORT ITEMS INDICATED AT STRUCTURE, PIPE STANDS EQUAL TO ANVIL FIG. 62, WALL BRACKETS EQUAL TO ANVIL FIG. 199.
3. THE FIRE PROTECTION CONTRACTOR SHALL PREPARE AND SUBMIT A SCALED AND/OR DIMENSIONED ROUGH-IN DRAWING TO THE CITY OF COLUMBUS DIVISION OF WATER PRIOR TO INSTALLATION FOR REVIEW AND APPROVAL.



BUILDINGS A, B, & C
ENLARGED SPRINKLER RISER CLOSET
SCALE: 1/4"=1'-0"

WATER SERVICE NOTES
1. WATER SERVICE ENTRANCE MATERIALS, INSTALLATION, AND ALL COMPONENTS (INCLUDING BUT NOT LIMITED TO METERS AND BACKFLOW PREVENTERS) TO BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CITY OF COLUMBUS DIVISION OF WATER, VERIFIED IN ADVANCE OF ANY WORK.
2. PROVIDE FLOOR AND WALL SUPPORT ASSEMBLIES AS REQUIRED TO SECURE AND SUPPORT ITEMS INDICATED AT STRUCTURE, PIPE STANDS EQUAL TO ANVIL FIG. 62, WALL BRACKETS EQUAL TO ANVIL FIG. 199.
3. THE FIRE PROTECTION CONTRACTOR SHALL PREPARE AND SUBMIT A SCALED AND/OR DIMENSIONED ROUGH-IN DRAWING TO THE CITY OF COLUMBUS DIVISION OF WATER PRIOR TO INSTALLATION FOR REVIEW AND APPROVAL.

THIS DRAWING IS NOT BEING SUBMITTED FOR PLAN APPROVAL PURPOSES

THIS PLAN IS PREPARED TO ASSIST FIRE PROTECTION (SUB)CONTRACTORS IN SUBMITTING A BID. SUCCESSFUL LICENSED FIRE PROTECTION (SUB)CONTRACTOR SHALL PREPARE DETAILED CONSTRUCTION DRAWINGS, PERFORM DETAILED HYDRAULIC FLOW CALCULATIONS, PAY FOR PLAN APPROVAL FEES, OBTAIN PERMITS, AND SUBMIT DOCUMENTS TO AUTHORITY(IES) HAVING JURISDICTION FOR REVIEW.

FP201-24217.DWG

PRATER
Engineering Associates, Inc.
6130 Wilcox Road
Dublin, Ohio 43016
(614) 766 4896
FAX: (614) 766 2354

DESIGNED BY	DRAWN BY	CHECKED BY	JOB NUM.
B.BURNS	B.BURNS	C.ANDERSON	24217

CODED NOTES
1. 4" FIRE WATER SERVICE (FWS) FROM FIRE WATER SERVICE LOOP TO 5'-0" OUTSIDE BUILDING PERIMETER BY SITE UTILITY CONTRACTOR. FIRE PROTECTION CONTRACTOR SHALL CONNECT TO AND EXTEND 4" FWS INTO BUILDING. COORDINATE PIPE MATERIAL TO MATCH WITH SITE UTILITY CONTRACTOR. COORDINATE CONNECTION AND DEPTH OF PIPING WITH SITE UTILITY CONTRACTOR AND CONSTRUCTION MANAGER.
2. PROVIDE 2-1/2" SINGLE FLUSH FIRE DEPARTMENT INLET CONNECTION AT WALL STRUCTURE BY THIS CONTRACTOR. REFER TO FIRE PROTECTION SITE PLAN FP100 FOR LOCATION OF FDC AT EACH BUILDING. REFER TO FIRE PROTECTION EQUIPMENT SCHEDULE ON SHEET FP301 FOR SPECIFICATIONS. COORDINATE INSTALLATION WITH ARCHITECT, CONSTRUCTION MANAGER AND WORK OF OTHER TRADES IN ADVANCE OF ANY WORK.
3. 2" MAIN DRAIN TO OUTSIDE OF BUILDING AT 12" ABOVE FINISH GRADE. PROVIDE 45 DEGREE ELBOW ON OUTLET TURNED DOWN AND AWAY FROM WALL. PROVIDE WATERTIGHT SEAL AND WALL FLANGE AT WALL PENETRATION. PROVIDE SPLASHBLOCK AT GRADE.
2
4. CONNECT 3/4" AUTOMATIC DRIP VALVE DRAIN PIPING TO 2" MAIN DRAIN PIPING.
5. 2-1/2" DOMESTIC WATER SERVICE, SEE PLUMBING DRAWINGS.

BUILDING INSTALLATION NOTE
A SINGLE FLOOR CONTROL VALVE ASSEMBLY FOR BOTH THE 2ND AND 3RD FLOORS SHALL BE PROVIDED IN THE FIRST FLOOR RISER CLOSET, CONNECTED TO THE SYSTEM RISER AT THAT LOCATION. FIRE PROTECTION SPRINKLER PIPING FOR THE COMBINED 2ND AND 3RD FLOORS SHALL BE EXTENDED FROM THE FLOOR CONTROL ASSEMBLY ABOVE THE 1ST FLOOR CEILING AND RISE IN THE WALL STRUCTURE TO ABOVE THE 2ND FLOOR CEILING WITH DROPS TO PENDENT AND SIDEWALL HEADS ON THE 2ND FLOOR LEVEL AND IN-WALL RISERS TO SIDEWALL HEADS ON THE 3RD FLOOR LEVEL. NO FIRE PROTECTION SPRINKLER PIPING SHALL BE INSTALLED IN EXTERIOR WALLS, BREEZWAY WALLS, AND ABOVE THE 3RD FLOOR CEILING.

#	DATE	CHANGE DESCRIPTION
1	06/10/2025	ADDENDUM# 01
2	06/25/2025	ADDENDUM# 02

COLUMBUS METROPOLITAN HOUSING AUTHORITY
COMMUNITY. COMMITMENT. COLLABORATION.

THE FALLS ON REFUGEE ROAD
3355 REFUGEE ROAD, COLUMBUS, OH 43232
FOR
CMHA

Moody Nolan
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: 614-461-4664
CERT. NO: FIRM 00197475

DRAWING TITLE:
FIRE PROTECTION
ENLARGED PLAN & DETAILS

PROGRESS DRAWING NOT FOR CONSTRUCTION

05/01/2025

23446

FP201

CD PROGRESS SET

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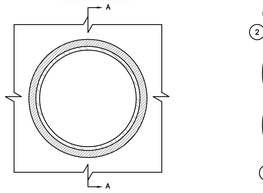
UL/CUL SYSTEM NO. W-L1085

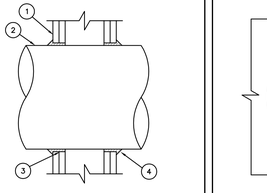
METAL PIPE THROUGH 1-HR. OR 2-HR. GYPSUM WALL ASSEMBLY

F RATING = 1-HR. OR 2-HR.
T RATING = 0-HR
L RATING AT AMBIENT = LESS THAN 1CFM/SQ. FT.
L RATING AT 400°F = 4 CFM/SQ. FT..

FRONT VIEW



SECTION A-A



1. GYPSUM WALL ASSEMBLY (UL/ULC CLASSIFIED U300 OR U400 SERIES) (1-HR OR 2-HR FIRE-RATING) (2-HR SHOWN).
2. PENETRATING ITEM TO BE ONE OF THE FOLLOWING:
   A. MAXIMUM 12" NOMINAL DIAMETER STEEL PIPE (SCHEDULE 10 OR HEAVIER).
   B. MAXIMUM 12" NOMINAL DIAMETER CAST IRON PIPE.
   C. MAXIMUM 6" NOMINAL DIAMETER COPPER PIPE.
   D. MAXIMUM 6" NOMINAL DIAMETER EMT.
   E. MAXIMUM 6" NOMINAL DIAMETER STEEL CONDUIT.
3. HILTI FS-ONE INTUMESCENT FIRESTOP SEALANT FORCED INTO ANNULAR SPACE TO MAXIMUM EXTENT POSSIBLE.
4. MINIMUM 1/2" BEAD HILTI FS-ONE INTUMESCENT FIRESTOP SEALANT TO BE INSTALLED AROUND PIPE, LAPPING 1/4" BEYOND PERIPHERY OF OPENING

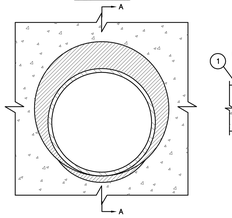
NOTES:
1. MAXIMUM DIAMTER OF OPENING = 13-1/4".
2. ANNULAR SPACE = MINIMUM 0", MAXIMUM 1/4".

UL/CUL SYSTEM NO. CAJ1154

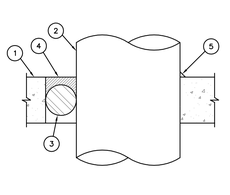
METAL PIPE THROUGH CONCRETE FLOOR/WALL OR BLOCK WALL

F RATING = 3-HR
T RATING = 1/4-HR
L RATING AT AMBIENT = LESS THAN 1 CFM/SQ. FT.
L RATING AT 400°F = 4 CFM/SQ. FT.

TOP VIEW



SECTION A-A



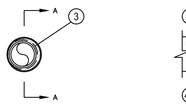
1. CONCRETE FLOOR OR WALL ASSEMBLY (3-HR. FIRE-RATING):
   A. LIGHTWEIGHT OR NORMAL WEIGHT CONCRETE FLOOR OR WALL (MINIMUM 4-1/2" THICK).
   B. ANY UL/ULC CLASSIFIED CONCRETE BLOCK WALL.
2. PENETRATING ITEM TO BE ONE OF THE FOLLOWING:
   A. MAXIMUM 10" NOMINAL DIAMETER STEEL PIPE (SCHEDULE 10 OR HEAVIER).
   B. MAXIMUM 4" NOMINAL DIAMETER COPPER PIPE.
   C. MAXIMUM 4" NOMINAL DIAMETER STEEL CONDUIT.
   D. MAXIMUM 4" NOMINAL DIAMETER EMT.
3. BACKER ROD, HILTI CF 128 FILLER FOAM, OR MINERAL WOOL TO BE USED AS BACKER.
4. MINIMUM 1/2" DEPTH HILTI FS-ONE INTUMESCENT FIRESTOP SEALANT.
5. MINIMUM 1/2" BEAD HILTI FS-ONE INTUMESCENT FIRESTOP SEALANT APPLIED AT POINT OF CONTACT.

NOTES:
1. MAXIMUM DIAMTER OF OPENING = 14".
2. ANNULAR SPACE = MINIMUM 0", MAXIMUM 3-1/4".
3. MINIMUM 1/2" DEPTH HILTI FS-ONE INTUMESCENT FIRESTOP SEALANT IS REQUIRED ON BOTH SIDES OF A WALL ASSEMBLY.

UL/CUL SYSTEM NO. CAJ2569

PLASTIC PIPE THROUGH CONCRETE FLOOR/WALL OR BLOCK WALL

F RATING = 2-HR
T RATING = 0-HR
L RATING AT AMBIENT = LESS THAN 1 CFM/SQ. FT.
L RATING AT 400°F = 4 CFM/SQ. FT.



SECTION A-A

1. FLOOR OR WALL ASSEMBLY —MIN 4-1/2 IN. (114 MM) THICK REINFORCED LIGHTWEIGHT OR NORMAL WEIGHT (100-150 PCF OR NOMINAL 2400 KG/M3) CONCRETE FLOOR OR WALL MAY ALSO BE CONSTRUCTED OF ANY UL CLASSIFIED CONCRETE BLOCKS*. MAX DIAM OF OPENING IS 6 IN. (152 MM). SEE CONCRETE BLOCKS (CAZT) CATEGORY IN THE FIRE RESISTANCE DIRECTORY FOR LIST OF MANUFACTURERS.
2. STEEL SLEEVE —(OPTIONAL) —NOM 4 IN. (102 MM) DIAM (OR SMALLER) SCHEDULE 10 (OR HEAVIER) STEEL SLEEVE CAST OR GROUTED INTO FLOOR OR WALL ASSEMBLY, FLUSH WITH FLOOR OR WALL SURFACES OR EXTENDING A MAX OF 3 IN. (76 MM) ABOVE FLOOR OR BEYOND BOTH SURFACES OF WALL.
3. THROUGH PENETRANTS —ONE NONMETALLIC PIPE TO BE INSTALLED CONCENTRICALLY OR ECCENTRICALLY WITHIN THE FIRESTOP SYSTEM. ANNULAR SPACE WITHIN THE FIRESTOP SYSTEM IS DEPENDENT UPON THE MAX DIAM AND TYPE OF PENETRANT USED AS TABULATED IN ITEM 4A. PIPE TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF NONMETALLIC PIPES MAY BE USED:
   A. POLYVINYL CHLORIDE (PVC) PIPE —NOM 4 IN. (102 MM) DIAM (OR SMALLER) SCHEDULE 40 SOLID OR CELLULAR CORE PVC FOR USE IN CLOSED (PROCESS OR SUPPLY) OR VENTED (DRAIN, WASTE OR VENT) PIPING SYSTEMS.
   B. CHLORINATED POLYVINYL CHLORIDE (CPVC) PIPE —NOM 4 IN. DIAM (OR SMALLER) SDR13.5 CPVC FOR USE IN CLOSED (PROCESS OR SUPPLY) PIPING SYSTEMS.
   C. ACRYLONITRILE BUTADIENE STYRENE (ABS) PIPE —NOM 4 IN. (102 MM) DIAM (OR SMALLER) SCHEDULE 40 SOLID OR CELLULAR CORE ABS FOR USE IN CLOSED (PROCESS OR SUPPLY) OR VENTED (DRAIN, WASTE OR VENT) PIPING SYSTEMS.
4. FIRESTOP SYSTEM —THE FIRESTOP SYSTEM SHALL CONSIST OF THE FOLLOWING:
   A. FILL, VOID OR CAVITY MATERIAL* — WRAP STRIP —CORE LAYER OF INTUMESCENT WRAP STRIP IS CONTINUOUSLY WRAPPED AROUND THE PIPE WITH ENDS BUTTED AND HELD IN PLACE WITH INTEGRATED TAPE. WRAP STRIP INSTALLED RECESSED 1/4 IN. (6 MM) FROM BOTH SURFACES OF FLOOR OR BOTH WALL SURFACES TO ACCOMMODATE FILL MATERIAL. SIZE OF WRAP STRIP FOR A GIVEN SIZE PENETRANT IS SHOWN IN THE TABLE BELOW.
   B. FILL, VOID OR CAVITY MATERIAL* —MIN 1/4 IN. (6 MM) THICKNESS OF FILL MATERIAL APPLIED WITHIN THE ANNULUS, FLUSH WITH BOTTOM SURFACE OF FLOOR OR WITH BOTH SURFACES OF WALL.

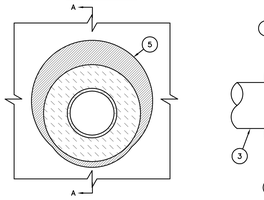
Product Designation	Nom Pipe Size Diam in. (mm)	Max Opening Diam in. (mm)	Annular Space Min in. (mm)	Annular Space Max in. (mm)	Nom Wrap Strip Thick in. (mm)	Nom Wrap Strip Width in. (mm)
CP648-S-1.5"-US	1-1/2 (38)	3 (76)	3/16 (5)	9/16 (14)	3/16 (5)	1 (25)
CP648-S-2"-US	2 (51)	3-1/2 (89)	3/16 (5)	9/16 (14)	3/16 (5)	1 (25)
CP648-S-3"-US	3 (76)	4 (102)	3/16 (5)	9/16 (14)	3/16 (5)	1-3/4 (44)
CP648-S-4"-US	4 (102)	6 (152)	3/8 (10)	1-1/8 (28)	3/8 (10)	1-3/4 (44)

UL/CUL SYSTEM NO. WL5029

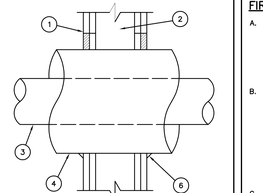
INSULATED METAL PIPE THROUGH 1-HR. OR 2-HR. GYPSUM WALL ASSEMBLY

F RATING = 1-HR. AND 2-HR
T RATING = 1/2-HR., 3/4 HR., 1-HR., AND 1-3/4 HR. (SEE U.L. FIRE RESISTANCE DIRECTORY)
L RATING AT AMBIENT = 4 CFM/SQ. FT.
L RATING AT 400°F = LESS THAN 1 CFM/SQ. FT.

FRONT VIEW



SECTION A-A



1. GYPSUM WALL ASSEMBLY (UL/ULC CLASSIFIED U300 OR U400 SERIES) (1-HR. OR 2-HR. FIRE-RATING) (2-HR. SHOWN).
2. (NOT SHOWN), WOOD STUDS TO CONSIST OF NOMINAL 2" x 4" LUMBER. STEEL STUDS TO BE MINIMUM 2-1/2" WIDE.
3. PENETRATING ITEM TO BE ONE OF THE FOLLOWING :
   A. MAXIMUM 12" NOMINAL DIAMETER STEEL PIPE (SCHEDULE 20 OR HEAVIER).
   B. MAXIMUM 6" NOMINAL DIAMETER COPPER PIPE.
   C. MAXIMUM 4" NOMINAL DIAMETER STEEL CONDUIT.
   D. MAXIMUM 4" NOMINAL DIAMETER EMT.
4. MAXIMUM 2" THICK GLASS-FIBER PIPE INSULATION.
5. MINIMUM 5/8" DIAM HILTI FS-ONE HIGH PERFORMANCE INTUMESCENT FIRESTOP SEALANT.
6. MINIMUM 1/2" BEAD HILTI FS-ONE HIGH PERFORMANCE INTUMESCENT FIRESTOP SEALANT AT POINT OF CONTACT.

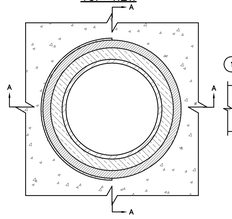
NOTES:
1. MAXIMUM DIAMETER OF OPENING = 18".
2. ANNULAR SPACE = MINIMUM 0", MAXIMUM 1-7/8".

UL/CUL SYSTEM NO. CAJ5091

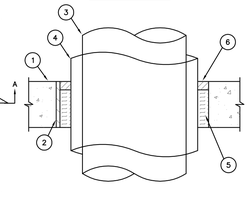
INSULATED METAL PIPE THROUGH CONCRETE FLOOR/WALL OR BLOCK WALL

F RATING = 2-HR
T RATING = 1-HR
L RATING AT AMBIENT = 4 CFM/SQ. FT.
L RATING AT 400°F = LESS THAN 1 CFM/SQ. FT.

TOP VIEW



SECTION A-A



1. CONCRETE FLOOR OR WALL ASSEMBLY (3-HR. FIRE-RATING):
   A. LIGHTWEIGHT OR NORMAL WEIGHT CONCRETE FLOOR OR WALL (MINIMUM 4-1/2" THICK).
   B. ANY UL/ULC CLASSIFIED CONCRETE BLOCK WALL.
2. PENETRATING ITEM TO BE ONE OF THE FOLLOWING:
   A. MAXIMUM 10" NOMINAL DIAMETER STEEL PIPE (SCHEDULE 10 OR HEAVIER).
   B. MAXIMUM 4" NOMINAL DIAMETER COPPER PIPE.
   C. MAXIMUM 4" NOMINAL DIAMETER STEEL CONDUIT.
   D. MAXIMUM 4" NOMINAL DIAMETER EMT.
3. BACKER ROD, HILTI CF 128 FILLER FOAM, OR MINERAL WOOL TO BE USED AS BACKER.
4. MINIMUM 1/2" DEPTH HILTI FS-ONE INTUMESCENT FIRESTOP SEALANT.
5. MINIMUM 1/2" BEAD HILTI FS-ONE INTUMESCENT FIRESTOP SEALANT APPLIED AT POINT OF CONTACT.

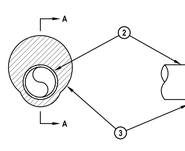
NOTES:
1. MAXIMUM DIAMTER OF OPENING = 20".
2. ANNULAR SPACE = MINIMUM 1/2", MAXIMUM 2-1/4".
3. MINIMUM 1/2" DEPTH HILTI FS-ONE INTUMESCENT FIRESTOP SEALANT IS REQUIRED ON BOTH SIDES OF A WALL.

UL/CUL SYSTEM NO. W-L-2377

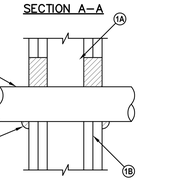
PLASTIC PIPE THROUGH 1-HR. OR 2-HR. GYPSUM WALL ASSEMBLY

F RATINGS — 1 AND 2 HR (SEE ITEMS 1 AND 3)
T RATINGS — 1 AND 2 HR (SEE ITEMS 1 AND 3)
L — RATING AT AMBIENT — LESS THAT 1 CFM/SQ FT
L — RATING AT 400°F — 4 CFM/SQ FT

FRONT VIEW



SECTION A-A



1. WALL ASSEMBLY — THE 1 AND 2 HR FIRE RATED GYPSUM BOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER DESCRIBED IN THE INDIVIDUAL U300 OR U400 SERIES WALL OR PARTITION DESIGN IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:
   A. STUDS — WALL FRAMING SHALL CONSIST OF EITHER WOOD STUDS OR STEEL CHANNEL STUDS. WOOD STUDS TO CONSIST OF NOM 2 BY 4 IN. LUMBER SPACED 16 IN. OC. STEEL STUDS TO BE MIN 2-1/2 IN. WIDE BY 1-3/8 IN. DEEP CHANNELS SPACED MAX 24 IN. OC.
   B. GYPSUM BOARD* — THE GYPSUM WALLBOARD TYPE, THICKNESS, NUMBER OF LAYERS, FASTENER TYPE AND SHEET ORIENTATION SHALL BE AS SPECIFIED IN THE INDIVIDUAL U300 OR U400 SERIES DESIGN IN THE UL FIRE RESISTANCE DIRECTORY. MAX DIAM OF OPENING IS 3 IN. THE HOURLY F AND T RATING OF THE FIRESTOP SYSTEM IS EQUAL TO THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED.
2. THROUGH PENETRANT — ONE NONMETALLIC PIPE, CONDUIT OR TUBING INSTALLED EITHER CONCENTRICALLY OR ECCENTRICALLY WITHIN THE FIRESTOP SYSTEM. THE ANNULAR SPACE BETWEEN PIPE AND PERIPHERY OF OPENING SHALL BE MIN OF 0 IN. (POINT CONTACT) TO A MAX 1-1/4 IN. PIPE TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF NONMETALLIC PIPES MAY BE USED:
   A. CHLORINATED POLYVINYL CHLORIDE (CPVC) PIPE — NOM 2 IN. DIAM (OR SMALLER) FLOWGUARD GOLD® SDR11 CPVC PIPE FOR USE IN CLOSED (PROCESS OR SUPPLY) PIPING SYSTEMS.
   B. CHLORINATED POLYVINYL CHLORIDE (CPVC) PIPE — NOM 2 IN. DIAM (OR SMALLER) BLAZEMASTER® SDR13.5 CPVC PIPE OR USE IN CLOSED (PROCESS OR SUPPLY) PIPING SYSTEMS.
3. FILL, VOID OR CAVITY MATERIAL* — SEALANT — MIN 5/8 IN. AND 1-1/4 IN. THICKNESS OF FILL MATERIAL APPLIED WITHIN ANNULUS, FLUSH WITH BOTH SURFACES OF WALL FOR 1 AND 2 HR RATED ASSEMBLIES, RESPECTIVELY. AT POINT CONTACT LOCATION, A MIN 1/2 IN. DIAM BEAD OF FIL MATERIAL SHALL BE APPLIED TO THE WALL/PENETRANT INTERFACE ON BOTH SURFACES OF THE WALL.

F.P. EQUIPMENT SCHEDULE

1. FINAL DECISION ON THE FINISH AND/OR COLOR AND STYLE OF SPRINKLER HEADS TO BE DETERMINED BY THE ARCHITECT AND OWNER'S REPRESENTATIVE DURING THE REVIEW PROCESS.
2. THE ARCHITECT RESERVES THE RIGHT TO RELOCATE OR ADD SPRINKLER HEADS TO THE SPRINKLER CONTRACTOR'S LAYOUT.

FIRE PROTECTION SPRINKLER HEADS

A. CONCEALED PENDENT HEADS (APARTMENTS): SIMILAR TO VIKING MODEL VK498 WITH STANDARD ORIFICE, 1/2" NPT INLET, OUTLET SPRAY DEFLECTOR, 5.8 "K" FACTOR, AND LOW-PROFILE REMOVABLE COVER PLATE WITH MANUFACTURER APPLIED FINISH. HEAD TO BE LISTED "QUICK RESPONSE" TYPE. UNLESS NOTED OTHERWISE, IN AREAS WITH DRYWALL, PANEL BOARD, OR OTHER DROP CEILING STRUCTURE WITH CONCEALED SUPPLY PIPING. HEADS LOCATED IN WOOD PANELS TO BE PROVIDED WITH MANUFACTURER APPLIED FINISH COLOR FOR COVER PLATE AS APPROVED BY THE ARCHITECT AND OWNER'S REPRESENTATIVE IN ADVANCE OF INSTALLATION.

B. RECESSED PENDENT HEADS (APARTMENTS): SIMILAR TO VIKING MODEL VK472 WITH STANDARD ORIFICE, 1/2" NPT INLET, OUTLET SPRAY DEFLECTOR, 5.8 "K" FACTOR AND MODEL E-2 ADJUSTABLE TWO-PIECE ESCUTCHEON. ESCUTCHEON AND HEAD TO BE FURNISHED WITH MANUFACTURER APPLIED FINISH. HEAD TO BE LISTED "QUICK RESPONSE" TYPE. SIDEWALL HEADS (IF REQUIRED) TO BE SIMILAR, WITH HORIZONTAL DEFLECTOR. DRY PIPE BARREL HEADS (IF REQUIRED) TO BE SIMILAR, WITH 1" INLET, ADJUSTABLE DRY BARREL AND COMPRESSED CENTER STRUT ACTUATOR. PENDENT AND SIDEWALL HEADS FOR USE IN AREAS WITH CONCEALING "FINISH" STRUCTURE WITH CONCEALED SUPPLY PIPING; DRY BARREL HEADS FOR USE IN AREAS SUBJECT TO FREEZING WITH ADJACENT CONDITIONED SPACE FOR INSTALLATION OF WET SUPPLY PIPING. COORDINATE FINISH OF SPRINKLER HEAD WITH ARCHITECT/OWNER'S REPRESENTATIVE IN ADVANCE OF INSTALLATION.

C. UPRIGHT HEADS (APARTMENTS): SIMILAR TO VIKING MODEL VK467 WITH STANDARD ORIFICE, 1/2" NPT INLET, OUTLET SPRAY DEFLECTOR, 4.9 "K" FACTOR AND MANUFACTURER APPLIED FINISH. SIDEWALL HEAD (IF REQUIRED) TO BE SIMILAR, WITH VERTICAL OR HORIZONTAL DEFLECTOR. HEADS TO BE LISTED "QUICK RESPONSE" TYPE. FOR USE IN STORAGE, MECHANICAL AND IN AREAS WITHOUT CONCEALING "FINISH" STRUCTURE WITH EXPOSED SUPPLY PIPING. COORDINATE FINISH OF SPRINKLER HEAD WITH ARCHITECT/OWNER'S REPRESENTATIVE IN ADVANCE OF INSTALLATION.

D. CONCEALED PENDENT HEADS (CLUBHOUSE): SIMILAR TO VIKING MODEL VK4621 WITH STANDARD ORIFICE, 1/2" NPT INLET, OUTLET SPRAY DEFLECTOR, 5.6 "K" FACTOR, AND LOW-PROFILE REMOVABLE COVER PLATE WITH MANUFACTURER APPLIED FINISH. HEAD TO BE LISTED "QUICK RESPONSE" TYPE. UNLESS NOTED OTHERWISE, IN AREAS WITH DRYWALL, PANEL BOARD OR OTHER DROP CEILING STRUCTURE WITH CONCEALED SUPPLY PIPING. HEADS LOCATED IN WOOD PANELS TO BE PROVIDED WITH MANUFACTURER APPLIED FINISH COLOR FOR COVER PLATE AS APPROVED BY THE ARCHITECT AND OWNER'S REPRESENTATIVE IN ADVANCE OF INSTALLATION.

E. RECESSED PENDENT HEADS (CLUBHOUSE): SIMILAR TO VIKING MODEL VK3021 WITH STANDARD ORIFICE, 1/2" NPT INLET, OUTLET SPRAY DEFLECTOR, 5.6 "K" FACTOR AND MODEL E-2 ADJUSTABLE TWO-PIECE ESCUTCHEON. ESCUTCHEON AND HEAD TO BE FURNISHED WITH MANUFACTURER APPLIED FINISH. HEAD TO BE LISTED "QUICK RESPONSE" TYPE. SIDEWALL HEADS (IF REQUIRED) TO BE SIMILAR, WITH HORIZONTAL DEFLECTOR. DRY PIPE BARREL HEADS (IF REQUIRED) TO BE SIMILAR, WITH 1" INLET, ADJUSTABLE DRY BARREL AND COMPRESSED CENTER STRUT ACTUATOR. PENDENT AND SIDEWALL HEADS FOR USE IN AREAS WITH CONCEALING "FINISH" STRUCTURE WITH CONCEALED SUPPLY PIPING; DRY BARREL HEADS FOR USE IN AREAS SUBJECT TO FREEZING WITH ADJACENT CONDITIONED SPACE FOR INSTALLATION OF WET SUPPLY PIPING. COORDINATE FINISH OF SPRINKLER HEAD WITH ARCHITECT/OWNER'S REPRESENTATIVE IN ADVANCE OF INSTALLATION.

F. UPRIGHT HEADS (CLUBHOUSE): SIMILAR TO VIKING MODEL VK300 WITH STANDARD ORIFICE, 1/2" NPT INLET, OUTLET SPRAY DEFLECTOR, 5.6 "K" FACTOR AND MANUFACTURER APPLIED FINISH. SIDEWALL HEAD (IF REQUIRED) TO BE SIMILAR, WITH VERTICAL OR HORIZONTAL DEFLECTOR. HEADS TO BE LISTED "QUICK RESPONSE" TYPE. FOR USE IN STORAGE, MECHANICAL AND IN AREAS WITHOUT CONCEALING "FINISH" STRUCTURE WITH EXPOSED SUPPLY PIPING. COORDINATE FINISH OF SPRINKLER HEAD WITH ARCHITECT/OWNER'S REPRESENTATIVE IN ADVANCE OF INSTALLATION.

G. EXTENDED COVERAGE SIDEWALL HEADS: SPRINKLER HEAD TO BE SIMILAR TO VIKING MODEL VK305 WITH STANDARD ORIFICE, 1/2" NPT INLET, OUTLET SPRAY DEFLECTOR, 5.6 "K" FACTOR AND MANUFACTURER APPLIED FINISH, MODEL E-2 ADJUSTABLE TWO-PIECE ESCUTCHEON. ESCUTCHEON AND HEAD TO BE FURNISHED WITH MANUFACTURER APPLIED FINISH. PROVIDE DEFLECTOR HORIZONTAL AND/OR VERTICAL DEFLECTOR AS REQUIRED BY AREA OF COVERAGE. HEAD TO BE LISTED "QUICK RESPONSE" TYPE. DRY PIPE BARREL HEADS (IF REQUIRED) TO BE SIMILAR, WITH 1" INLET, ADJUSTABLE DRY BARREL AND COMPRESSED CENTER STRUT ACTUATOR. COORDINATE FINISH OF SPRINKLER HEAD WITH ARCHITECT/OWNER'S REPRESENTATIVE IN ADVANCE OF INSTALLATION.

H. SPRINKLER HEAD GUARD: PROVIDE A HARD-WIRE BRIGHT ZINC VIKING SPRINKLER GUARD MODEL D-1 CAGE DESIGNED TO ENCASE THE SPRINKLER AND PROTECT IT IN AREAS WHERE IT MAY BE SUBJECT TO POSSIBLE MECHANICAL DAMAGE.

NOTES:

1. EQUAL MANUFACTURER'S: RELIABLE, VIKING, AUTOMATIC, CENTRAL, GUARDIAN, VICTAULIC, POTTER-ROEMER OR TYCO MAY BE PROVIDED AT THE CONTRACTOR'S OPTION
2. FOR BIDDING PURPOSE THIS CONTRACTOR SHALL PROVIDE CONCEALED SPRINKLER HEADS IN ALL DRYWALL CEILINGS AND/OR SPECIAL CONSTRUCTION CEILINGS SUCH AS PANEL CEILINGS, METAL CEILINGS DECORATIVE PANELS AND OTHER PRE-MANUFACTURED CEILING PANELS.
3. FOR BIDDING PURPOSE THIS CONTRACTOR SHALL PROVIDE RECESSED SPRINKLER HEADS IN ALL ACOUSTICAL TILE CEILINGS ALL FINISHES AND OR COLORS OF SPRINKLER HEADS SHALL BE DETERMINED BY THE ARCHITECT USING THE STANDARD AVAILABLE COLORS OR FINISHES AVAILABLE FROM THE MANUFACTURER.
4. THE ARCHITECT AND OWNER'S REPRESENTATIVE RESERVES THE RIGHT OF REVISING THE FINISH AND/OR THE STYLE OR TYPE OF SPRINKLER HEADS DURING THE REVIEW PROCESS.
5. LOCATE SPRINKLERS SO THEY ARE COORDINATED WITH INTERIOR DESIGN TO MINIMIZE COVERAGE OBSTRUCTIONS.

FDC-1: FIRE DEPT. INLET CONNECTION (APARTMENT BLDG'S)

A. SIMILAR TO POTTER ROEMER MODEL 5016; 2-1/2" FLUSH WALL MOUNTED SINGLE INLET FIRE DEPARTMENT CONNECTION. POLISHED CHROME 8" SQUARE BRASS IDENTIFICATION BASE PLATE, 2-1/2" FEMALE N.S.T. THREADED INLET WITH CAPS AND CHAIN. COORDINATE EXACT INLET THREAD AND LOCATION REQUIREMENTS WITH THE LOCAL FIRE CODE AUTHORITY IN ADVANCE OF ORDERING PARTS.

A. EQUAL MANUFACTURER'S: RELIABLE, VIKING, AUTOMATIC, CENTRAL, GUARDIAN, VICTAULIC, POTTER-ROEMER OR TYCO MAY BE PROVIDED AT THE CONTRACTOR'S OPTION (1)

FDC-2: FIRE DEPT. INLET CONNECTION (CLUBHOUSE)

A. SIMILAR TO POTTER ROEMER NO. 5795 SERIES WALL MOUNTED FIRE DEPARTMENT STORZ CONNECTION. PROVIDE WITH HARD COAT ANODIZED ALUMINUM W/STAINLESS STEEL INTERNAL SCREEN, ALUMINUM BLIND COVER/CAP WITH CHAIN, POLISHED BRASS ROUND IDENTIFICATION PLATE, AND 30 DEGREE ANGLED CONNECTION. COORDINATE INLET THREAD AND LOCATION REQUIREMENTS WITH THE LOCAL FIRE CODE AUTHORITY IN ADVANCE OF ORDERING PARTS.

A. EQUAL MANUFACTURER'S: RELIABLE, VIKING, AUTOMATIC, CENTRAL, GUARDIAN, VICTAULIC, POTTER-ROEMER OR TYCO MAY BE PROVIDED AT THE CONTRACTOR'S OPTION

ELECTRIC ALARM BELL

A. SIMILAR TO POTTER ROEMER NO. 6230 10" ROUND BELL WITH 24V ELECTRIC DRIVE MOTOR AND STEEL CONSTRUCTION WITH RED ENAMEL FINISH. (2)

B. EQUAL MANUFACTURER'S: RELIABLE, VIKING, AUTOMATIC, CENTRAL, GUARDIAN, VICTAULIC, POTTER-ROEMER OR TYCO MAY BE PROVIDED AT THE CONTRACTOR'S OPTION

FIRE PROTECTION LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
—W—	WATER SERVICE LINE		CONCENTRIC REDUCER
—FP—	FIRE PROTECTION LINE		ECCENTRIC REDUCER
—D—	DRAIN LINE		TEE WITH NIPPLE & CAP
—DPS—	DRY PIPE SYSTEM		PLUGGED TEE
—FDC—	FIRE DEPARTMENT CONNECTION LINE		Y-TYPE STRAINER
—FPTC—	FIRE PUMP TEST CONNECTION LINE		BALL VALVE
	PENDANT TYPE SPRINKLER HEAD		APPROVED TYPE DRAIN VALVE
	UPRIGHT TYPE SPRINKLER HEAD		GATE VALVE (FLANGED BODY)
	CONCEALED SPRINKLER HEAD		GATE VALVE (SCREWED BODY)
	SIDEWALL SPRINKLER HEAD		FLOOR DRAIN
	DRY SPRINKLER HEAD		CURB BOX & VALVE
	DRY SPRINKLER HEAD (SIDEWALL)		CONNECT TO EXISTING
	CAPPED LINE		PRESSURE GAUGE
	EXISTING WORK TO REMAIN		FLOW SWITCH
	EXISTING WORK TO BE REMOVED	A	ABORT
	PIPE FLANGES	M	MANUAL PULL
	PIPE UNION		

FIRE PROTECTION ABBREVIATIONS

A.	COMPRESSED AIR	F.H.C.	FIRE HOSE CABINET
AB.	ABOVE	FLR.	FLOOR
A.D.	ACCESS DOOR	F.D.	FLOOR DRAIN
ARCH.	ARCHITECT	FURN.	FURNISH
BTM.	BOTTOM	F.E. CHEM.	FIRE EXTINGUISHER CHEM.
BLDG.	BUILDING	F.H.R.	FIRE HOSE RACK
CAB.	CABINET	F.H. & V.C.	FIRE HOSE & VALVE CAB.
C.I.	CAST IRON	F.P.	FIRE PROTECTION
CLG.	CEILING	GA.	GAGE
CONC.	CONCRETE	GEN.	GENERAL
CONN.	CONNECT	MFR.	MANUFACTURER
CONTR.	CONTRACTOR	MECH.	MECHANICAL
C.W.	COLD WATER	MTD.	MOUNTED
CONT.	CONTINUATION	NOM.	NOMINAL
DTL.	DETAIL	PLBG.	PLUMBING
DIA.	DIAMETER	PRESS.	PRESSURE
DN.	DOWN	REQD.	REQUIRED
DR.	DOOR	RM.	ROOM
ELEC.	ELECTRICAL	SCHED.	SCHEDULE
EXIST.	EXISTING	SHT.	SHEET
F.	FIRE	T.S.	TAMPER SWITCH
FT. HD.	FEET OF HEAD	TYP.	TYPICAL
F.D.V.	FIRE DEPT. HOSE CONNECTION VALVE	U.N.O.	UNLESS NOTED OTHERWISE
F.E.C.	FIRE EXTINGUISHER CABINET	W/	WITH

FLOW TEST INFORMATION

FLOW TEST ID:	3688	NO. OF TEST RUN:	1
FLOW HYDRANT 1:		1E OF SCHWARTZ RD ON REFUGEE RD	
FLOW HYDRANT 2:		1W OF SCHWARTZ RD ON REFUGEE RD	
PRESSURE HYDRANT:		2E OF SCHWARTZ RD ON REFUGEE RD	
PRESSURE HYDRANT ID:	0143A04		
DATE:	11/06/2024	PIPE SIZE:	24"
TIME:	11:35:00 AM	ELEVATION:	760'
STATIC PRESSURE:	75 PSI	HYDRANT OWNER:	COLUMBUS
RESIDUAL PRESSURE:	71 PSI	COEFFICIENT:	0.72
PITOT 1:	37 PSI	OH:	950'
PITOT 2:	14 PSI	HGL:	933'
OUTLET:	4" DIFF		
FLOW (GPM):	3870		
FLOW @ 20 PSI:	>5000		
WATER DISTRICT:	PARSONS		

THIS FLOW TEST IS FOR BIDDING PURPOSES ONLY. THE SPRINKLER CONTRACTOR IS RESPONSIBLE FOR PROVIDING A NEW FLOW TEST FOR THE HYDRAULIC SPRINKLER CALCULATIONS.

F.P. CONTRACT NOTE

PUBLIC WATERWORKS SYSTEMS — FLOW TEST DATA:

SOURCE WATER FLOW TEST DATA INCLUDED HEREIN HAS BEEN OBTAINED FROM THE DIVISION OF WATER AND IS DATED WITHIN THE TIME LIMITATIONS SET FORTH BY NFPA PAMPHLET 13. THIS DATA, INCLUDING ALL DISCLAIMERS, HAS THEREFORE BEEN UTILIZED TO CALCULATE THE INCOMING BUILDING FIRE PROTECTION WATER SERVICE LINE SIZE AS REFLECTED ON THESE CONTRACT DOCUMENTS AS THE BASIS OF DESIGN. AS SUCH, UNDER THIS CONTRACT AND IN ACCORDANCE WITH THE DIVISION OF WATER FLOW TEST PRESSURE FLUCTUATION DISCLAIMER, OHIO BUILDING CODE SECTION 903.3.5, AND NFPA PAMPHLET 13 SECTION 24.2.2.2 THIS CONTRACTOR SHALL ACCOUNT FOR A 15 PSIG SHIFT IN THE STATIC/RESIDUAL PRESSURE POINTS OBSERVED/RECORDED IN FLOW TEST DATA RESULTS. MOREOVER, BECAUSE THE INFORMATION CONTAINED IN THESE DATA POINTS IS DYNAMIC AND MAY CHANGE OVER TIME THE 15 PSIG ADJUSTMENT SHALL ACCOUNT FOR VARIOUS FACTORS AFFECTING THE RECORDED FLOW PRESSURE POINTS INCLUDING, BUT NOT LIMITED TO SEASONAL TIME-OF-DAY CHANGES IN CONSUMER DEMANDS AND/OR BUILDING USAGE CHARACTERISTICS AT THE AREA OF THE FLOW TEST WHICH RESULT IN PRESSURE FLUCTUATIONS.

FIRE PROTECTION NOTES

1. ALL FIRE PROTECTION CONTRACT WORK IS TO COMPLY WITH THE APPLICABLE NFPA STANDARDS REFERENCED IN THE BUILDING CODE AS ADMINISTERED BY THE LOCAL REVIEW/INSPECTION/APPROVAL AUTHORITIES, THE INSURANCE UNDERWRITER'S GUIDELINES, THE LOCAL FIRE PREVENTION AUTHORITY (FIRE MARSHALL'S OFFICE/FIRE DEPARTMENT), AND ANY OTHER AUTHORITIES HAVING JURISDICTION, AS CONFIRMED AND VERIFIED IN ADVANCE BY THE LICENSED F.P. CONTRACTOR.
2. THE BUILDING IS TO BE TOTALLY SPRINKLED PER NFPA PAMPHLET NO. 13 AND PRO-VIDED WITH STANDPIPES REQUIRED FOR COMPLETE COVERAGE/PROTECTION PER NFPA PAMPHLET NO. 14.
3. THE BUILDING SPRINKLER SYSTEM IS TO BE ZONED BY FLOORS AND AT OTHER SPECIFIC AREAS AS INDICATED ON THE DRAWINGS.
4. THE SPRINKLER SYSTEM SHALL BE HYDRAULICALLY DESIGNED AND SIZED ACCORDING TO NFPA PAMPHLET NO. 13, THE APPLICABLE BUILD

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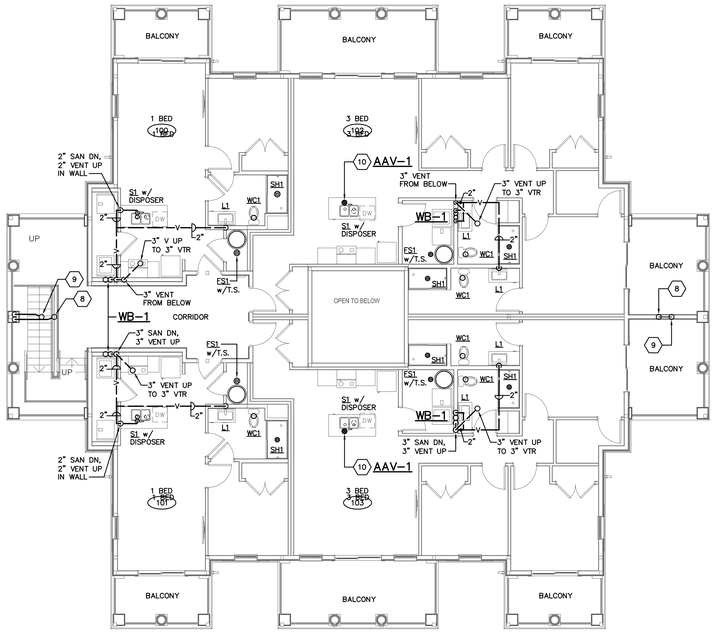
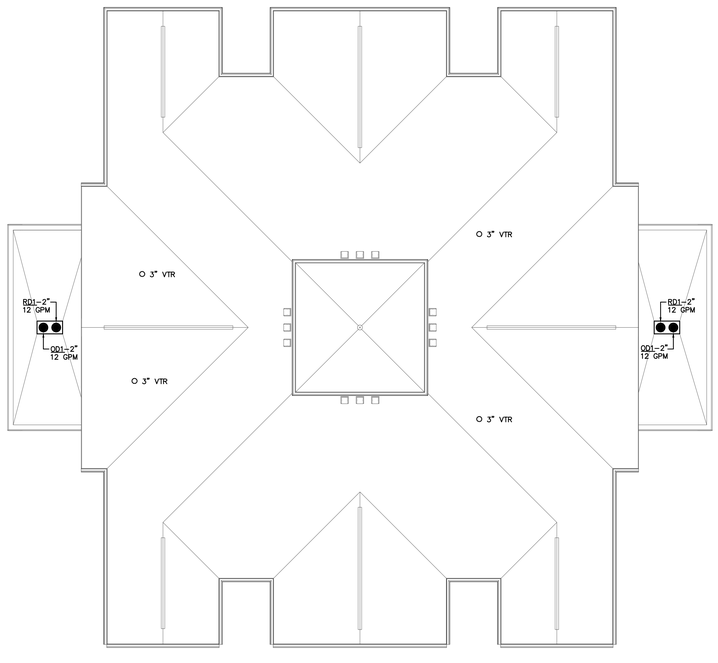


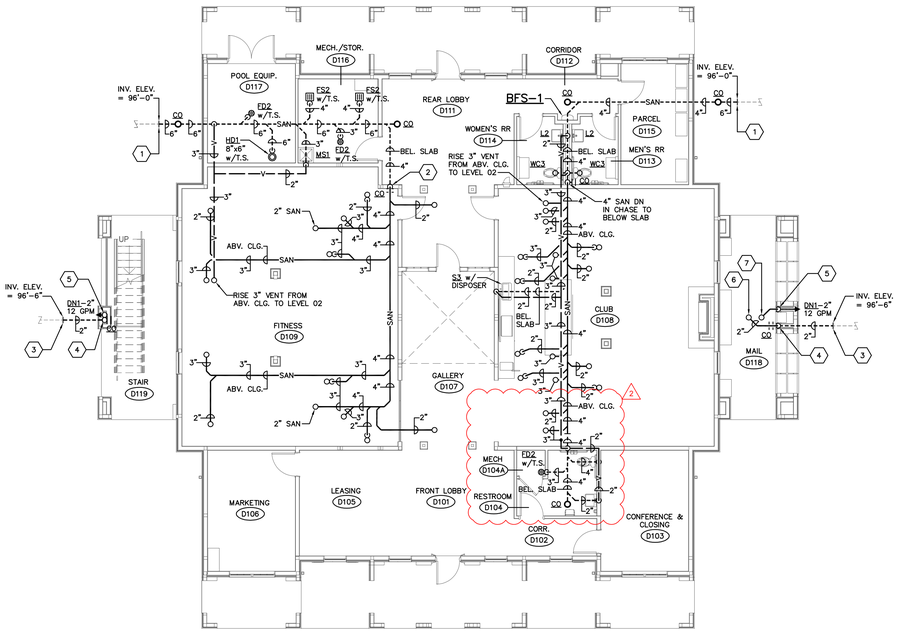
LEVEL 02 PLUMBING SANITARY PLAN – BUILDING D

SCALE: 1/8"=1'-0" F.F.E. = 112'-4 15/16"



ROOF PLUMBING SANITARY PLAN – BUILDING D

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



LEVEL 01 PLUMBING SANITARY PLAN – BUILDING D

SCALE: 1/8"=1'-0" F.F.E. = 100'-0"

CODED NOTES

1. 6" SAN TO 5'-0" BEYOND PERIMETER OF BUILDING BY PLUMBING CONTRACTOR FOR CONNECTION TO AND CONTINUATION BY SITE UTILITY CONTRACTOR. COORDINATE PIPE MATERIAL TO MATCH WITH SITE UTILITY CONTRACTOR. COORDINATE POINT OF CONNECTION AND DEPTH OF PIPING WITH SITE UTILITY CONTRACTOR AND CONSTRUCTION MANAGER. INVERT ELEVATION: 96'-0" (F.F.E.=100.0').
2. DROP 4" SANITARY FROM ABOVE CEILING TO BELOW SLAB. PROVIDE BASE-OF-STACK CLEANOUT AT A MINIMUM 18" A.F.F.
3. 2" PRIMARY STORM (12 GPM) TO 5'-0" BEYOND BUILDING FOR CONTINUATION BY THE SITE UTILITY CONTRACTOR. COORDINATE LOCATION, INVERT ELEVATION AND POINT OF CONNECTION WITH THE SITE UTILITY CONTRACTOR. INVERT ELEVATION: 96'-6" (F.F.E.=100.0').
4. DROP 2" PRIMARY STORM (12 GPM) IN WALL STRUCTURE TO BELOW SLAB. PROVIDE BASE-OF-STACK CLEANOUT AT A MINIMUM 18" A.F.F.
5. 2" SECONDARY STORM (12 GPM) DOWN IN WALL STRUCTURE FROM ABOVE AND THRU WALL TO OUTSIDE. PROVIDE DOWNSPOUT DISCHARGE NOZZLE (DN1) ON WALL AT 12" ABOVE GRADE.
6. 2" PRIMARY STORM (12 GPM) DOWN FROM FLOOR ABOVE.
7. 2" SECONDARY STORM (12 GPM) DOWN FROM FLOOR ABOVE.
8. 2" PRIMARY STORM (12 GPM) DOWN IN WALL STRUCTURE FROM PRIMARY ROOF DRAIN.
9. 2" SECONDARY STORM (12 GPM) DOWN IN WALL STRUCTURE FROM OVERFLOW ROOF DRAIN.
10. PROVIDE AIR ADMITTANCE VALVE IN PARTIAL HEIGHT WALL AS HIGH AS POSSIBLE BELOW COUNTERTOP. PROVIDE COMPLETE WITH WALL BOX AND LOUVERED GRILLE FACEPLATE.

#	DATE	CHANGE DESCRIPTION
1	06/10/2025	ADDENDUM# 01
2	06/25/2025	ADDENDUM# 02

COLUMBUS METROPOLITAN HOUSING AUTHORITY
COMMUNITY. COMMITMENT. COLLABORATION.

THE FALLS ON REFUGEE ROAD
3355 REFUGEE ROAD, COLUMBUS, OH 43232
FOR
CMHA

Moody Nolan
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: 614-461-4664
CERT. NO: FIRM 00197475

DRAWING TITLE:
BUILDING D - LEVEL 01 & 02 PLUMBING PLANS

05/01/2025

23446

P106-D

CD PROGRESS SET

PROGRESS DRAWING NOT FOR CONSTRUCTION

P106-D-24217.DWG

PRATER
Engineering Associates, Inc.
6130 Wilcox Road
Dublin, Ohio 43016
(614) 766 4896
FAX: (614) 766 2354

DESIGNED BY	DRAWN BY	CHECKED BY	JOB NUM.
B.BURNS	B.BURNS	C.ANDERSON	24217

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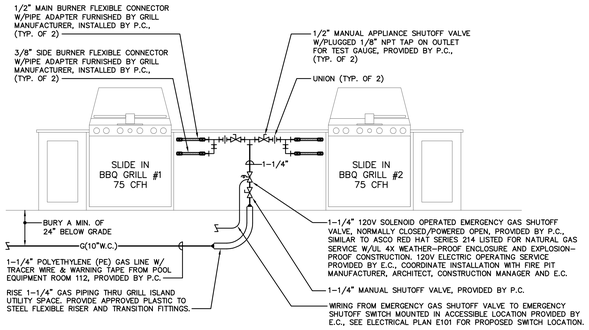
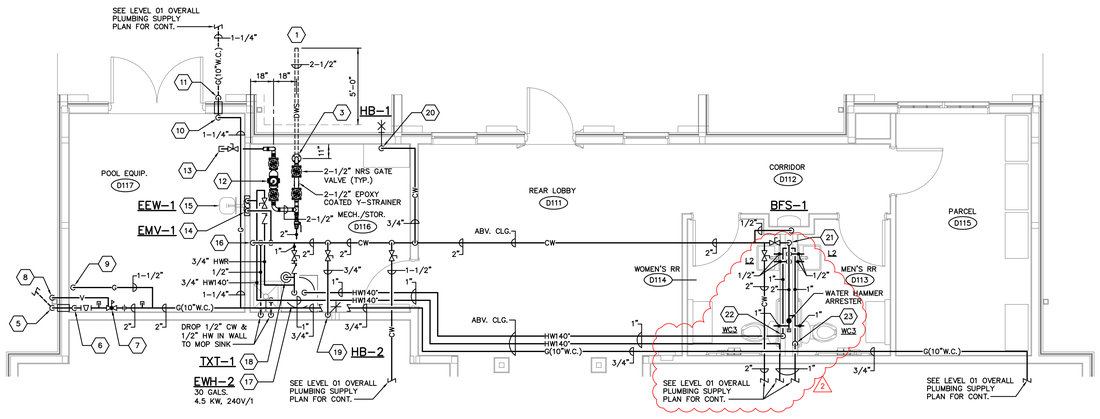
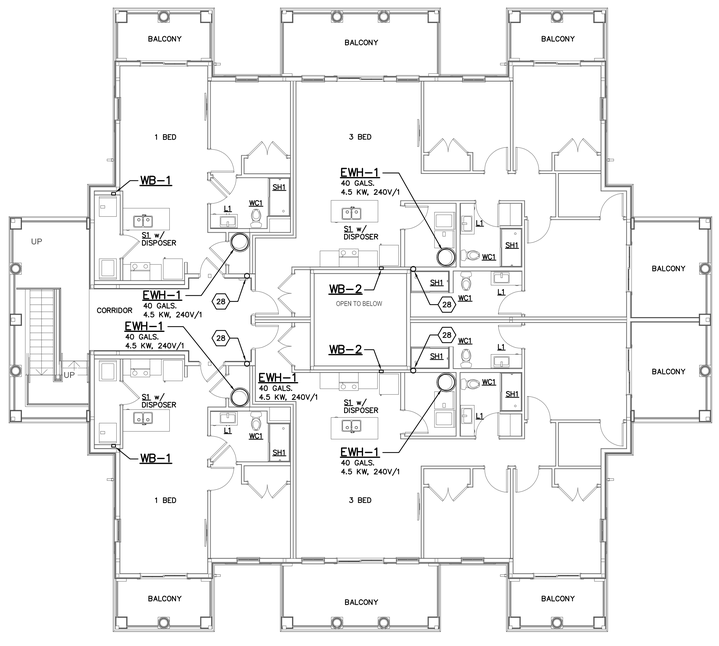


GRILL ISLAND GAS PIPING DIAGRAM



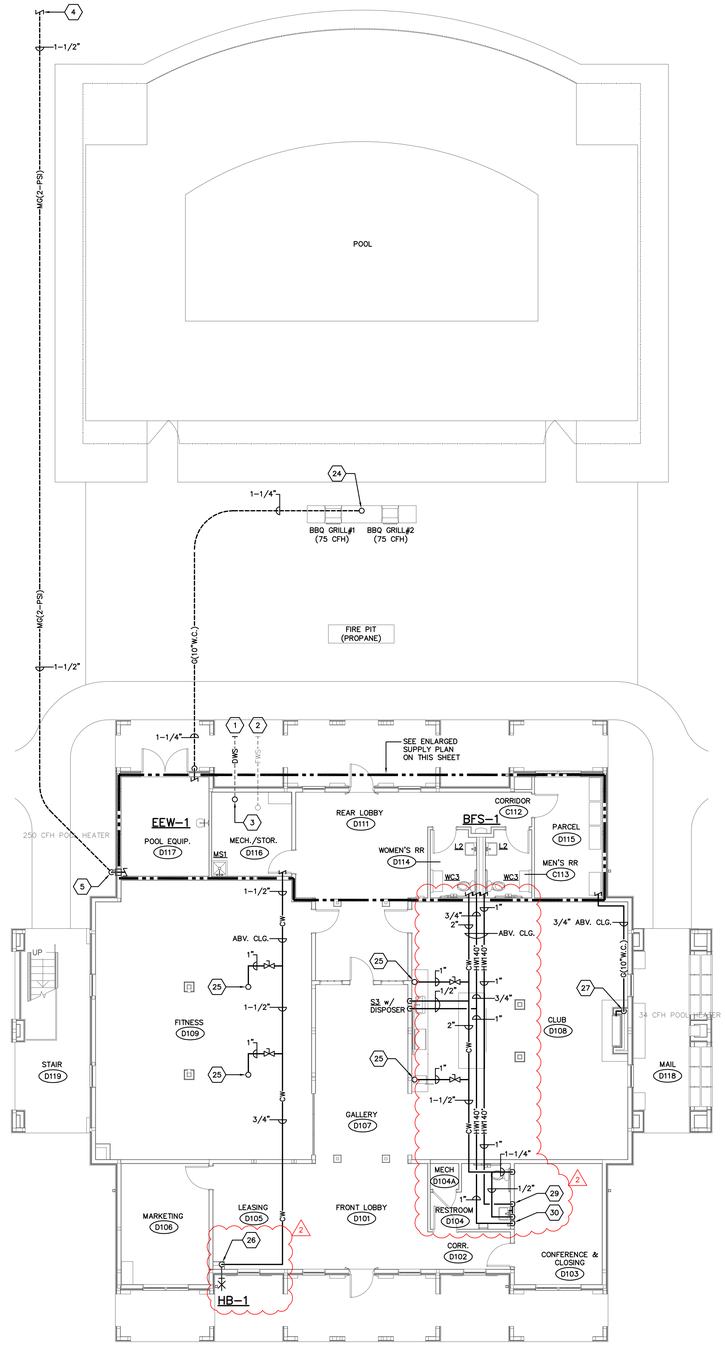
ENLARGED LEVEL 01 PLUMBING SUPPLY PLAN

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



LEVEL 02 PLUMBING SUPPLY PLAN – BUILDING D

SCALE: 1/8"=1'-0" F.F.E. = 112'-4 15/16"



LEVEL 01 PLUMBING SUPPLY PLAN – BUILDING D

SCALE: 1/8"=1'-0" F.F.E. = 100'-0"

P107-D-24217.DWG

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FAX: (614) 766 2354

DESIGNED BY	DRAWN BY	CHECKED BY	JOB NUM.
B.BURNS	B.BURNS	C.ANDERSON	24217

CODED NOTES

1. 2-1/2" DOMESTIC WATER SERVICE (DWS) FROM SITE WATER SERVICE LOOP TO 5'-0" OUTSIDE BUILDING FOUNDATION BY SITE UTILITY CONTRACTOR. PLUMBING CONTRACTOR SHALL CONNECT TO AND EXTEND 2-1/2" DWS INTO BUILDING. COORDINATE PIPE MATERIAL TO MATCH WITH SITE UTILITY CONTRACTOR. COORDINATE CONNECTION AND DEPTH OF PIPING WITH SITE UTILITY CONTRACTOR AND CONSTRUCTION MANAGER.
2. 4" FIRE WATER SERVICE (FWS). SEE FIRE PROTECTION DRAWINGS.
3. RISE 2-1/2" DOMESTIC WATER SERVICE FROM BELOW SLAB AND FLANGE AT A MINIMUM 12" ABOVE FINISH FLOOR BY PLUMBING CONTRACTOR. SEE ENLARGED PLAN ON THIS SHEET FOR ADDITIONAL INFORMATION AND SCOPE OF WORK AT THIS LOCATION.
4. APPROXIMATELY 400'-0" FROM GAS METER SETTING AT REFUGEE ROAD TO BUILDING ENTRANCE. COORDINATE INSTALLATION OF METER SETTING WITH COLUMBIA GAS AND CONSTRUCTION MANAGER.
5. RISE 1-1/2" GAS (434 CFH @ 2-PSI) FROM BELOW GRADE TO 12" ABOVE GRADE AND EXTEND INTO BUILDING. PROVIDE LUBRICATED PLUG SHUTOFF VALVE ABOVE GRADE. PROVIDE STEEL PIPE SLEEVE WITH WATER TIGHT SEAL AT WALL PENETRATION.
6. RISE 1-1/2" GAS PIPING TO UNDERSIDE OF OVERHEAD STRUCTURE.
7. PROVIDE LINE REGULATOR. SET OUTLET TO 10" W.C. WITH A CAPACITY OF 434 CFH.
8. FULL SIZE REGULATOR VENT THRU WALL, PROVIDE 90° ELL TURNED DOWN WITH INSECT SCREEN ON OUTLET. PROVIDE STEEL PIPE SLEEVE WITH WATER TIGHT SEAL AT WALL PENETRATION.
9. DROP 1-1/2" GAS AND MAKE FINAL CONNECTION TO POOL HEATER. PROVIDE IN ORDER: UNION, APPLIANCE VALVE, TEE, AND DIRT LEG ALL FULL PIPE SIZE. REFER TO NATURAL GAS APPLIANCE CONNECTION DETAIL ON SHEET P402 FOR ADDITIONAL INFORMATION AND SCOPE OF WORK AT THIS LOCATION.
10. DROP 1-1/4" GAS (150 CFH @ 10" W.C.) TIGHT ON WALL TO 12" ABOVE FINISH FLOOR. PROVIDE TEE FITTING AND 4" MINIMUM DIRT LEG AT BOTTOM OF DROP. EXTEND 1-1/4" GAS PIPING FROM TEE FITTING HORIZONTALLY THROUGH WALL TO OUTDOORS. PROVIDE STEEL PIPE SLEEVE WITH WATER TIGHT SEAL AT WALL PENETRATION.
11. DROP 1-1/4" GAS (150 CFH @ 10" W.C.) TO BELOW GRADE AND PROVIDE LUBRICATED PLUG SHUTOFF VALVE ABOVE GRADE. EXTEND BELOW GRADE TO BBQ GRILLS.
12. PROVIDE 2-1/2" ASSE 1013 LISTED/APPROVED RPZ BACKFLOW ASSEMBLY W/ NRS GATE VALVES AND AIR GAP FITTING ON 2-1/2" COLD WATER SUPPLY TO POOL EQUIPMENT ROOM. LABEL ALL POOL EQUIPMENT SUPPLY PIPING AS "NONPOTABLE WATER". EXTEND DRAIN FULL SIZE FROM RELIEF VALVE AND INDIRECT TO NEAREST FLOOR SINK W/ AIR GAP. BACKFLOW ASSEMBLY SHALL BE EQUIVALENT TO ZURN MODEL 375.
13. PROVIDE 2-1/2" COLD WATER STUB VALVED AND CAPPED FROM ASSE 1013 LISTED/APPROVED RPZ BACKFLOW ASSEMBLY FOR CONTINUATION BY POOL EQUIPMENT CONTRACTOR. LABEL ALL POOL EQUIPMENT SUPPLY PIPING AS "NONPOTABLE WATER".
14. 1/2" COLD WATER AND 1/2" HOT WATER DOWN IN WALL TO EMERGENCY THERMOSTATIC MIXING VALVE (EMV-1) MOUNTED ON WALL ABOVE EMERGENCY EYE/FACE WASH (EEW-1). PROVIDE 1/2" TEPID WATER (85°F.) FROM MIXING VALVE AND DROP IN WALL TO SUPPLY CONNECTION OF EEW-1. INSULATE ALL PIPING PER SPECIFICATIONS AND PROVIDE PROTECTIVE PVC COVER OVER INSULATION WITHIN POOL EQUIPMENT ROOM.
15. WALL MOUNTED EMERGENCY EYE/FACE WASH. SEE PLUMBING EQUIPMENT SCHEDULE ON SHEET P301 FOR ADDITIONAL INFORMATION. COORDINATE EXACT LOCATION WITH CONSTRUCTION MANAGER AND POOL EQUIPMENT CONTRACTOR.
16. RISE 2" COLD WATER TO UNDERSIDE OF OVERHEAD STRUCTURE.
17. PROVIDE ELECTRIC LOW BOY TANK WATER HEATER (EWH-2) ON COMBINATION SUPPORT PLATFORM/DRAIN PAN SUSPENDED FROM STRUCTURE. 1" COLD WATER/1" 140° HOT WATER TO/FROM WATER HEATER. SEE EWH-2; ELECTRIC WATER HEATER PIPING DIAGRAM ON SHEET P401 FOR ADDITIONAL INFORMATION AND SCOPE OF WORK AT THIS LOCATION.
18. PROVIDE THERMAL EXPANSION TANK (TXT-1) SUSPENDED FROM STRUCTURE. SEE PLUMBING EQUIPMENT SCHEDULE ON SHEET P301 AND EWH-2; ELECTRIC WATER HEATER PIPING DIAGRAM ON SHEET P401 FOR ADDITIONAL INFORMATION AND SCOPE OF WORK AT THIS LOCATION.
19. DROP 3/4" COLD WATER IN WALL STRUCTURE TO INTERIOR WALL HYDRANT (HB-2). MOUNT WALL HYDRANT AT 24" ABOVE FINISH FLOOR.
20. DROP 3/4" COLD WATER ON WALL TO EXTERIOR WALL HYDRANT (HB-1). INSTALL WALL HYDRANT AT 24" ABOVE FINISH FLOOR. PROVIDE FULL PORT BALL SHUTOFF VALVE AT 3 FEET ABOVE FINISH FLOOR. PIPE INSULATION SHALL RUN CONTINUOUSLY TO WALL HYDRANT. PROVIDE PROTECTIVE PVC COVER OVER EXPOSED INSULATION WITHIN 10 FEET ABOVE FINISH FLOOR.
21. DROP 2" COLD WATER SUPPLY MANIFOLD PIPING FROM ABOVE CEILING IN WALL STRUCTURE TO ROUGH-IN HEIGHT OF WATER CLOSET FLUSH VALVE SUPPLY. TAP 1/2" COLD WATER TO EACH LAVATORY SINK. TAP 1" COLD WATER TO EACH URINAL.
22. DROP 1" 140° HOT WATER SUPPLY LOOP PIPING FROM ABOVE CEILING IN CHASE TO ROUGH-IN HEIGHT OF LAVATORY HAND WASHING SINKS. TAP 1/2" HOT WATER TO EACH LAVATORY SINK.
23. RISE 1" 140° HOT WATER SUPPLY LOOP PIPING FROM LAVATORY HAND WASHING SINKS IN CHASE TO ABOVE CEILING.
24. RISE 1-1/4" GAS (150 CFH @ 10" W.C.) FROM BELOW GRADE INTO UTILITY SPACE OF GRILL ISLAND. PROVIDE ANODELESS RISER TO TRANSITION FROM PLASTIC PIPE BELOW GRADE TO STEEL PIPE ABOVE GRADE. COORDINATE EXACT REQUIREMENTS WITH GRILL MANUFACTURER INSTALLATION INSTRUCTIONS. REFER TO GRILL PIPING DIAGRAM ON THIS SHEET FOR ADDITIONAL INFORMATION AND SCOPE OF WORK AT THIS LOCATION.
25. RISE 1" COLD WATER TO FLOOR ABOVE.
26. DROP 3/4" COLD WATER IN CHASE FROM ABOVE CEILING TO EXTERIOR WALL HYDRANT (HB-1). INSTALL WALL HYDRANT AT 24" ABOVE FINISH FLOOR. PIPE INSULATION SHALL RUN CONTINUOUSLY TO WALL HYDRANT. INSTALL BALL SHUTOFF VALVE IN CHASE AT 36" ABOVE FINISH FLOOR BEHIND WALL ACCESS PANEL. 2
27. DROP 3/4" GAS FROM ABOVE CEILING TO FIREPLACE. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH FIREPLACE INSTALLING CONTRACTOR. PROVIDE 3/4" X 1/2" REDUCING ELBOW AT BOTTOM OF DROP AND EXTEND 1/2" GAS LINE THROUGH KNOCKOUT INTO FIREPLACE VALVE COMPARTMENT. CAULK GAP BETWEEN PIPING AND KNOCKOUT WITH HIGH TEMPERATURE CAULK OR STUFF WITH NON-COMBUSTIBLE UNFACED INSULATION TO PREVENT COLD AIR INFILTRATION. CONNECT TO 1/2" FLEX BALL VALVE ASSEMBLY FURNISHED W/ FIREPLACE AND MAKE FINAL CONNECTION TO GAS VALVE.
28. RISE 1" DOMESTIC WATER SERVICE FROM FIRST FLOOR TO SECOND FLOOR AND CAP WATER TIGHT ABOVE 1" BRANCH TO UNIT. SEE ENLARGED UNIT PLUMBING PLANS FOR ADDITIONAL INFORMATION AND SCOPE OF WORK.
29. DROP 1" 140° HOT WATER SUPPLY LOOP PIPING FROM ABOVE CEILING IN WALL TO ROUGH-IN HEIGHT OF LAVATORY HAND WASHING SINK. TAP 1/2" HOT WATER TO LAVATORY SINK. 2
30. RISE 1" 140° HOT WATER SUPPLY LOOP PIPING FROM LAVATORY HAND WASHING SINK IN WALL TO ABOVE CEILING.

#	DATE	CHANGE DESCRIPTION
1	06/10/2025	ADDENDUM# 01
2	06/25/2025	ADDENDUM# 02

COLUMBUS METROPOLITAN HOUSING AUTHORITY
COMMUNITY. COMMITMENT. COLLABORATION.

THE FALLS ON REFUGEE ROAD
3355 REFUGEE ROAD, COLUMBUS, OH 43232
FOR
CMHA

Moody Nolan
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: 614-461-4664
CERT. NO: FIRM 00197475

DRAWING TITLE:
BUILDING D - LEVEL 01 & 02 PLUMBING SUPPLY PLANS

PROGRESS DRAWING NOT FOR CONSTRUCTION

05/01/2025
23446
P107-D
CD PROGRESS SET 1

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PLUMBING EQUIPMENT SCHEDULE

EWH–1: ELECTRIC WATER HEATER (BUILDING A, B, C, & D – UNITS)

EQUIVALENT STATE MODEL EN6-40-DDLS; COMMERCIAL GRADE RESIDENTIAL ELECTRIC WATER HEATER SHALL BE A LOW-BOY TYPE UNIT WITH TOP INLET/OUTLET CONNECTIONS AND BE OF A GLASS-LINED DESIGN, AND ELECTRICALLY HEATED, AND APPROVED BY THE UNDERWRITERS LABORATORY (UL-174). THE HEATER SHALL MEET ALL APPLICABLE ENERGY CODES, WITH TWO (2) 4.5 KW, 240 VOLT, 1 PHASE INTERLOCKED NON-SIMULTANEOUS OPERATION HEATING ELEMENTS AND A RECOVERY CAPACITY OF 21.0 GALLONS PER HOUR AT A TEMPERATURE RISE OF 90 DEGREES F., STORAGE CAPACITY OF 38 GALLONS, 50 GALLS. FIRST HOUR RATING. HEATER TO BE EQUIPPED WITH MAGNESIUM ANODE ROD. ALL INTERNAL SURFACES OF THE HEATER EXPOSED TO WATER SHALL BE PERMAGLAS LINED. UNIT SHALL BE FURNISHED FACTORY INSTALLED ASME RATED TEMPERATURE & PRESSURE RELIEF VALVE, LOW RESTRICTIVE BRASS DRAIN VALVE, HYDROJET SCOOP HEAT REDUCING DEVICE, AND HEAT TRAPS. HEATING ELEMENTS SHALL BE CONTROLLED BY AN INTEGRAL MOUNTED THERMOSTAT AND HIGH TEMPERATURE CUT-OFF SWITCH. THE OUTER JACKET SHALL BE OF BAKED ENAMEL FINISH WITH HINGED FRONT ACCESS PANEL OVER FOAM INSULATION OVER ELECTRICAL JUNCTION BOX WITH INTEGRAL TERMINAL BLOCK. PROVIDE WITH A MINIMUM 1–1/2" DEEP DRAIN PAN. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. REFER TO "EWH–1; ELECTRIC WATER HEATER PIPING DIAGRAM" ON SHEET P401 FOR ADDITIONAL SCOPE OF WORK.

EWH–2: ELECTRIC WATER HEATER (BUILDING D – CLUBHOUSE)

EQUIVALENT STATE MODEL EN6-30-DDLS; COMMERCIAL GRADE RESIDENTIAL ELECTRIC WATER HEATER SHALL BE A LOW-BOY TYPE UNIT WITH TOP INLET/OUTLET CONNECTIONS AND BE OF A GLASS-LINED DESIGN, AND ELECTRICALLY HEATED, AND APPROVED BY THE UNDERWRITERS LABORATORY (UL-174). THE HEATER SHALL MEET ALL APPLICABLE ENERGY CODES, WITH TWO (2) 4.5 KW, 240 VOLT, 1 PHASE INTERLOCKED NON-SIMULTANEOUS OPERATION HEATING ELEMENTS AND A RECOVERY CAPACITY OF 21.0 GALLONS PER HOUR AT A TEMPERATURE RISE OF 90 DEGREES F., STORAGE CAPACITY OF 28 GALLONS, 44 GALLS. FIRST HOUR RATING. HEATER TO BE EQUIPPED WITH MAGNESIUM ANODE ROD. ALL INTERNAL SURFACES OF THE HEATER EXPOSED TO WATER SHALL BE PERMAGLAS LINED. UNIT SHALL BE FURNISHED FACTORY INSTALLED ASME RATED TEMPERATURE & PRESSURE RELIEF VALVE, LOW RESTRICTIVE BRASS DRAIN VALVE, HYDROJET SCOOP HEAT REDUCING DEVICE, AND HEAT TRAPS. HEATING ELEMENTS SHALL BE CONTROLLED BY AN INTEGRAL MOUNTED THERMOSTAT AND HIGH TEMPERATURE CUT-OFF SWITCH. THE OUTER JACKET SHALL BE OF BAKED ENAMEL FINISH WITH HINGED FRONT ACCESS PANEL OVER FOAM INSULATION OVER ELECTRICAL JUNCTION BOX WITH INTEGRAL TERMINAL BLOCK. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. REFER TO "EWH–2; ELECTRIC WATER HEATER PIPING DIAGRAM" ON SHEET P401 FOR ADDITIONAL SCOPE OF WORK.

RCP–1: HOT WATER RETURN RECIRCULATING PUMP

EQUIVALENT TO TACO MODEL 0026e-SF2; ECM HIGH EFFICIENCY CIRCULATOR, STAINLESS STEEL CONSTRUCTION, LISTED FOR POTABLE WATER SERVICE, 150 PSIG MAX. WORKING PRESSURE, 230°F MAX. OPERATING TEMPERATURE, 2.7 GPM AT 2.7 FT/HD, 115V–1 PH, 10–120 WATTS, 1.0 MAX. AMPS, 830–3800 RPM, 3/4" FLANGE CONNECTIONS. MOUNT ON WALL NEAR WATER HEATER IN ACCESSIBLE LOCATION. SEE EWH–2; ELECTRIC WATER HEATER PIPING DIAGRAM ON SHEET P401.

BV–1; HOT WATER RETURN BALANCING VALVE

CALEFFI 'QUICKSETTER+' MODEL #132 SERIES BALANCING VALVE WITH INTEGRAL FLOW METER. BALANCING VALVE MUST BE DESIGNED WITH A BRASS BODY, BALL CONTROL STEM, FLOW METER BODY, HEADWORK, AND SHUTOFF CONTROL STEM, CHROME–PLATED; EPDM SEALS AND PRE–FORMED SHELL INSULATION IN EXPANDED CLOSED CELL PE–X. THE BALANCING VALVE MUST INCLUDE NPT FEMALE THREADED CONNECTIONS FOR 3/4" SIZE. EACH VALVE HAS 150 PSI (10 BAR) MAXIMUM WORKING PRESSURE AND 14°F – 230°F (–10 – 110°C) WORKING TEMPERATURE RANGE, AND ± 10% MEASUREMENT ACCURACY. SET VALVE TO 2.7 GPM MINIMUM OR AS NOTED ON PLANS. PROVIDE WITH SEPARATE LEAD FREE CHECK VALVE. SEE EWH–2; ELECTRIC WATER HEATER PIPING DIAGRAM ON SHEET P401.

TXT–1; THERMAL EXPANSION TANK

EQUIVALENT TO AMTROL MODEL ST–5C; TANKS TO BE ASME LISTED/APPROVED WITH STEEL SHELL, RIGID POLYPROPYLENE LINER AND HEAVY DUTY BUTYL NSF/ANSI 61 DIAPHRAGM. LINER AND DIAPHRAGM MECHANICALLY BONDED TO SHELL TO FORM A SEPARATE AIR CHAMBER AND NON–CORROSIVE WATER RESERVOIR, PROVIDED WITH A STANDARD AIR VALVE FITTING. 2.0 GAL. TANK VOLUME, 0.9 GALLONS ACCEPTANCE VOLUME, 200°F MAXIMUM OPERATING TEMPERATURE 150 PSIG MAXIMUM WORKING PRESSURE. AIR CHAMBER PRE–CHARGED AT 10–12 PSIG PRIOR TO DELIVERY, CONTRACTOR SHALL FIELD ADJUST THE MANUFACTURER'S PRE–CHARGE AIR PRESSURE TO THE ACTUAL SYSTEM WORKING PRESSURE IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION GUIDELINES. REFER TO WATER HEATER PIPING DIAGRAMS ON SHEET P401 FOR LOCATION AND ADDITIONAL INFORMATION.

T.S.; TRAP SEAL PROTECTION DEVICE (PRIVATE DWELLING UNITS)

EQUIVALENT TO SURE–SEAL MANUFACTURING BARRIER TYPE FLOOR DRAIN TRAP SEAL PROTECTION DEVICE. THE DEVICE SHALL BE MADE FROM ELASTOMERIC NEOPRENE MATERIAL AND SHALL NOT CREATE AN EFFECTIVE RESTRICTION ON WATER FLOW. THE DEVICE SHALL CONFORM WITH OPC 709.1 AND MEET ASSE 1072 FOR FLOW RATES. THE DEVICE SHALL CONNECT WITHIN A FLOOR DRAIN THAT CONFORMS TO ANSI/ASME A112.6.3. INSTALLATION TO BE PER MANUFACTURER'S RECOMMENDATIONS.

HB–1: EXTERIOR HOSE BIBB

EQUIVALENT TO WOODFORD MODEL 67; AUTOMATIC DRAINING WALL HYDRANT WITH INTEGRAL ASSE 1052 APPROVED DOUBLE CHECK BACKFLOW PREVENTER. LOOSE TEE KEY, HARDENED STAINLESS STEEL OPERATING STEM AND ONE–PIECE VALVE PLUNGER TO CONTROL BOTH FLOW AND DRAIN FUNCTIONS. BRONZE SEAT AND SEAT WASHER. 3/4" INLET AND 3/4" HOSE OUTLET CONNECTION. CHROME PLATED FINISH. PROVIDE WITH WOODFORD MODEL SL–65 STEM LOCK. COORDINATE INSTALLATION WITH ARCHITECT AND CONSTRUCTION MANAGER.

HB–2: INTERIOR HOSE BIBB

EQUIVALENT TO WOODFORD MODEL 75; CLOSE COUPLED TRIMLINE EXPOSED TYPE WALL HYDRANT WITH INTEGRAL ASSE 1011 APPROVED ANTI–SIPHON VACUUM BREAKER. LOOSE TEE KEY, HARDENED STAINLESS STEEL OPERATING STEM AND ONE–PIECE VALVE PLUNGER TO CONTROL BOTH FLOW AND DRAIN FUNCTIONS. BRONZE SEAT AND SEAT WASHER. 3/4" INLET AND 3/4" HOSE OUTLET CONNECTION. CHROME PLATED FINISH. COORDINATE INSTALLATION WITH ARCHITECT AND CONSTRUCTION MANAGER.

HB–3; ROOF HOSE BIBB

EQUIVALENT TO WOODFORD SRH–MS; ASSE 1057 LISTED FREEZELESS ROOF HYDRANT W/FIELD TESTABLE ASSE 1052 DOUBLE CHECK BACKFLOW PREVENTER. DOES NOT REQUIRE A DRAIN LINE. LEVER HANDLE OPERATOR, 3/4" NPT FEMALE INLET CONNECTION, 3/4" HOSE THREAD OUTLET, MOUNTING SYSTEM.

WB–1; WALL OUTLET BOX (LAUNDRY SUPPLY/DRAIN)

EQUIVALENT TO OATEY CENTRO II SERIES PVC DOUBLE HOSE BIBB AND DRAIN BOX COMBINATION WITH WATER HAMMER ARRESTERS, QUARTER–TURN VALVES, 1/2" INLET CONNECTIONS, 3/4" MALE HOSE–THREAD OUTLET CONNECTIONS AND 2" DRAIN INLET. PROVIDE LOCKING/CROSS–BRACING IN WALL STRUCTURE AS REQUIRED TO SECURE INSTALLATION. BLOCKING/CROSS–BRACING MATERIALS TO COMPLY WITH GENERAL CONTRACT SPECIFICATIONS. INSTALLATIONS IN RATED STRUCTURES ARE TO BE PROVIDED WITH A LISTED FIRE–STOP ASSEMBLY AS REQUIRED TO MAINTAIN THE APPROPRIATE STRUCTURAL RATING.

WB–2; WALL OUTLET BOX (REFRIGERATOR)

EQUIVALENT TO SIOUX CHIEF 696 SERIES (696RG SERIES FIRE RATED) ABS REFRIGERATOR OUTLET BOX WITH WATER HAMMER ARRESTER, QUARTER–TURN BRASS BALL VALVE, 1/2" INLET CONNECTION AND 1/4" O.D. COMPRESSION OUTLET CONNECTION, ALL CHROME PLATED. INSTALLATIONS IN RATED STRUCTURES ARE TO BE PROVIDED WITH A LISTED FIRE–STOP ASSEMBLY AS REQUIRED TO MAINTAIN THE APPROPRIATE STRUCTURAL RATING.

AAV–1; AIR ADMITTANCE VALVE

EQUIVALENT TO OATEY MODEL 39016 SURE–VENT PVC ASSE 1051 AIR ADMITTANCE VALVE WITH POSITIVE/NEGATIVE PRESSURE REACTIVE PVC SLIDING DISK, GAS–TIGHT RUBBER DIAPHRAGM, AND 1–1/2" x 2" LISTED/APPROVED SOLVENT WELD ADAPTER. UNIT TO MEET ASTM D2665/D2661.

TMV–1; THERMOSTATIC MIXING VALVE (PUBLIC HAND WASHING SINKS)

EQUIVALENT TO ZURN WILKINS MODEL ZW3870XLT; ASSE 1070 LISTED/APPROVED POINT–OF–USE THERMOSTATIC TEMPERING VALVE, SOLID BRASS CONSTRUCTION WITH CHROME FINISH, ADJUSTABLE TEMPERATURE SETTING AND INTEGRAL CHECK VALVES. SET OUTLET NOT TO EXCEED 105°F. PROVIDE ONE UNIT PER PUBLIC RESTROOM HAND WASHING SINK. INSTALL UNIT PER MANUFACTURER'S RECOMMENDATIONS.

BFS–1; BOTTLE FILLING STATION

EQUIVALENT TO ELKAY MODEL LZWSSM; SURFACE MOUNT FILTERED NON–REFRIGERATED BOTTLE FILLING STATION, STAINLESS STEEL FINISH. FEATURES SHALL INCLUDE ANTIMICROBIAL, FILTERED, GREEN TICKER, HANDS FREE, LAMINAR FLOW, REAL DRAIN, VISUAL FILTER MONITOR, ELECTRONIC BOTTLE FILLER SENSOR ACTIVATION. PRODUCT SHALL BE WALL MOUNT (ON WALL), FOR INDOOR APPLICATIONS, SERVING 1 STATION. UNIT SHALL BE CERTIFIED TO UL 399 AND CAN/CSA C22.2 NO. 120.

DRAIN & CLEANOUT SCHEDULE

DES.	LOCATION	DESCRIPTION
FD1	FINISHED FLOOR F.D.	ZURN Z415BZ CAST IRON FLOOR DRAIN WITH DOUBLE DRAINAGE FLANGE AND WEEPHOLES, BOTTOM CAULK OUTLET WITH TYPE BZ SIZE 6¾" DIAMETER POLISHED NICKEL BRONZE LEVELING STRAINER. FURNISH WITH CLAMPING COLLAR EXCEPT FLOOR DRAINS IN ON–GRADE LOCATIONS.
FD2	MECHANICAL ROOM F.D.	ZURN MODEL NO. ZN–550 CAST IRON FLOOR DRAIN WITH SECONDARY DRAINAGE/ANCHOR FLANGE, WEEPHOLES, GRATE WITH POLISHED NICKEL BRONZE FINISH, 9" DIAMETER ROUND TOP WITH SQUARE OPENINGS AND BOTTOM GASKET CONNECTION OUTLET. PROVIDE WITH SEDIMENT BUCKET. DRAINS IN STRUCTURES ABOVE GRADE TO BE FURNISHED WITH CLAMPING COLLAR.
FS1	INDIRECT WASTE RECEPTOR	SIOUX CHIEF 864 SERIES "LITTLEMAX"; MOLDED IMPACT–MODIFIED PVC ROUND FLOOR SINK RECEPTOR WITH CLAMPING COLLAR, 7–1/4" DIA. TOP, 3–1/8" DEEP SUMP, PVC OPEN–HALF STRAINER, BOTTOM SCH. 40 HUB CONNECTION.
FS2	INDIRECT WASTE RECEPTOR	SIOUX CHIEF 861 SERIES "SQUAREMAX"; MOLDED IMPACT–MODIFIED PVC FLOOR SINK RECEPTOR WITH REMOVABLE NICKEL–BRONZE OPEN–HALF STRAINER, CONCRETE ANCHOR FLANGE, 11–3/16"x11–3/16" SQUARE TOP, 6–3/8" DEEP SUMP, STAINLESS STEEL MESH DEBRIS BASKET, ABS FLAT BOTTOM STRAINER, AND BOTTOM SCH. 40 HUB CONNECTION.
HD1	MECHANICAL/ UTILITY INDIRECT WASTE AREAS	HUB AND SPIGOT WASTE PIPE SECTION IN VERTICAL ORIENTATION, WITH THE "HUB" PORTION COMPLETELY EXPOSED ABOVE THE FLOOR SURFACE. THE INLET/FLOOR RIM SHALL BE A MINIMUM 3" ABOVE THE FINISH FLOOR SURFACE.
RD1/ OD1	FLAT ROOF AREA (PRIMARY/ SECONDARY)	ZURN MODEL Z100F; 12" DIAMETER COMBINATION ROOF DRAIN AND OVERFLOW DRAIN, CAST IRON BODY'S, COMBINATION MEMBRANE FLASHING CLAMP/GRAVEL GUARDS, DOUBLE TOP–SET DECK PLATE, LOW SILHOUETTE CAST IRON DOMES, SECONDARY CLAMPING COLLAR, 2" INTERNAL OVERFLOW DAM, AND BOTTOM NO–HUB OUTLET. FURNISH WITH BODY EXTENSION (IF REQUIRED) FOR BUILT–UP ROOF CONSTRUCTION.
DN1	EXTERIOR DOWNSPOUT NOZZLE	ZURN MODEL Z199–SS; DOWNSPOUT NOZZLE, ALL NICKEL BRONZE BODY, WALL FLANGE, OUTLET NOZZLE, AND NATURAL BRONZE FINISH. FURNISH WITH STAINLESS STEEL SCREEN AT OPENING.
CO	WALLS OF FINISHED AREA	USE CLEANOUT TEE AND PROVIDE CLEANOUT AND ACCESS COVER SIMILAR TO ZURN Z–1446 WITH ROUND POLISHED STAINLESS STEEL ACCESS COVER AND ABS PLASTIC THREADED PLUG. SIZE TO SUIT CLEANOUT.
CO	FLOORS OF FINISHED AREA	PROVIDE FRAME AND ACCESS COVER SIMILAR TO ZURN ZN–1400 WITH GAS TIGHT BRONZE PLUG, ROUND SCREWDOWN ACCESS COVER BOX WITH POLISHED SCORIATED TOP AND ANCHOR LUGS. PROVIDE WITH CARPET MARKER WHERE NECESSITATED.
CO	EXTERIOR	ZURN Z–1400–HD CAST IRON ADJUSTABLE CLEANOUT, COATED CAST IRON INTERNAL PLUG WITH LEAD SEAL AND HEAVY–DUTY LOOSE–SET SCORIATED ROUND CAST IRON TRACTOR COVER SIZE TO SUIT CLEANOUT.
CO	ALL OTHER CLEANOUTS	ZURN ZB–1470 FLUSH WITH FLOOR OR WALL AND HAVE COUNTER–SUNK BRASS HEADS.

PLUMBING FIXTURE SCHEDULE

PLUMBING FIXTURE NOTES:

1. UNLESS INDICATED OTHERWISE, THE ARCHITECT SHALL SELECT THE FIXTURE COLOR/FINISH FROM THE MANUFACTURER'S FULL RANGE OF STANDARD OPTIONS.
2. UNLESS INDICATED OTHERWISE, ALL EXPOSED METALLIC COMPONENTS TO BE FURNISHED WITH POLISHED CHROME FINISH, INCLUDING FAUCETS, TRAPS, STOPS, PIPING, ETC.
3. UNLESS INDICATED OTHERWISE, ALL EXPOSED PIPING SHALL BE FURNISHED WITH POLISHED CHROME FINISH BRASS ESCUTCHEONS AT ALL WALL/CABINET PENETRATIONS AND FIXTURE CONNECTIONS.

FIXTURE	MANUFACTURER	REMARKS	PIPE SIZE	
WC1 (DWELLING)	PROFLO/ BRASSCRAFT/ BEMIS/	FIXTURE: PROFLO MODEL PF5112/1401T; WHITE ELONGATED CHINA TOILET, FLOOR MOUNTED, TANK TYPE, 1.6 GPF, 15" RIM HEIGHT, 2" GLAZED TRAPWAY. PROVIDE FLOOR BOLTS, WAX RING, BOLT COVERS. CHROME METAL SIDE MOUNTED TRIP LEVER. STOP(S); BRASSCRAFT MODEL KTCR19BDLM; 1/2" X 3/8" CLOSET SUPPLY KIT, CHROME PLATED QUARTER–TURN BRASS BALL STOP, BRAIDED STAINLESS STEEL RISER. SEAT; BEMIS MODEL NO. 170, CLOSED FRONT WITH COVER, ELONGATED INJECTION MOLDED SOLID PLASTIC, MOLDED–IN BUMPERS, NON–CORROSIVE NUTS AND BOLTS, WHITE	1/2"	---
WC2 (DWELLING ADA ACCESSIBLE)	PROFLO/ BRASSCRAFT/ BEMIS/	FIXTURE: PROFLO MODEL PF5112/1403T; WHITE ELONGATED CHINA TOILET, FLOOR MOUNTED, TANK TYPE, 1.6 GPF, 17" RIM HEIGHT, 2" GLAZED TRAPWAY. PROVIDE FLOOR BOLTS, WAX RING, BOLT COVERS. CHROME METAL SIDE MOUNTED TRIP LEVER. HANDLE ON WIDE SIDE OF ROOM. STOP(S); BRASSCRAFT MODEL KTCR19BDLM; 1/2" X 3/8" CLOSET SUPPLY KIT, CHROME PLATED QUARTER–TURN BRASS BALL STOP, BRAIDED STAINLESS STEEL RISER. SEAT; BEMIS MODEL NO. 170, CLOSED FRONT WITH COVER, ELONGATED INJECTION MOLDED SOLID PLASTIC, MOLDED–IN BUMPERS, NON–CORROSIVE NUTS AND BOLTS, WHITE FIXTURE ASSEMBLY TO COMPLY WITH HANDICAP ACCESSIBLE REQUIREMENTS	1"	---
WC3 (CLUBHOUSE ADA ACCESSIBLE)	KOHLER/ McGUIRE/ BEMIS/	FIXTURE; KOHLER HIGHCLIFF ULTRA K–96058–SS–0; FLOOR MOUNT FLUSHOMETER TOILET, ELONGATED BOWL, 1.6 GPF, 16–5/8" RIM HEIGHT, 1–1/2" TOP SPUD, VITREOUS CHINA, 2–1/8" GLAZED TRAPWAY, ANTIMICROBIAL FINISH. CONTROLS; SLOAN REGAL 111–1.6–XL; EXPOSED WATER CLOSET FLUSHOMETER, 1.6 GPF, 1" SCREWDRIVER BAK–CHECK STOP, VANDAL RESISTANT STOP CAP. SEAT; BEMIS 1655SSCT; COMMERCIAL EXTRA HEAVY–DUTY WHITE PLASTIC TOILET SEAT W/ SELF SUSTAINING CHECK HINGES, OPEN FRONT LESS COVER. FIXTURE ASSEMBLY TO COMPLY WITH HANDICAP ACCESSIBLE REQUIREMENTS	1"	---
L1 (DWELLING ADA ACCESSIBLE)	PROFLO/ BRIZO,/ McGUIRE/ BRASSCRAFT/	FIXTURE; PROFLO COMSTOCK PF1512UWH; UNDERMOUNT OVAL BATHROOM SINK, WHITE VITREOUS CHINA, FRONT OVERFLOW DRAIN, 15.38" X 13.75 NOMINAL SIZE, 5.75" DEEP BOWL. CONTROLS; PROFLO PFWSC30175; DECK–MOUNT SINGLE HANDLE CENTERSET BATHROOM FAUCET W/ POP–UP DRAIN, POLISHED CHROME FINISH, AND PRO.2058.000 1.0 GPM LAMINAR FLOW RATE AERATOR. DRAIN; BRIZO DRP72414PC; PUSH BUTTON DRAIN WITH OVERFLOW HOLES, CHROME PLATED BRASS, TAILPIECE. TRAP; McGUIRE MODEL 8902; 1 1/4"x1 1/2" 17 GA. P–TRAP, CHROME PLATED. STOP(S); BRASSCRAFT MODEL KTCR19; 1/2" X 3/8" CHROME PLATED QUARTER–TURN BRASS BALL STOPS W/BRAIDED STAINLESS STEEL RISERS. FIXTURE ASSEMBLY TO COMPLY WITH HANDICAP ACCESSIBLE REQUIREMENTS	1/2"	1/2"
L2 (CLUBHOUSE ADA ACCESSIBLE)	PROFLO/ McGUIRE/ ZURN/	FIXTURE; PROFLO PFS514WH; WALL–MOUNT BATHROOM SINK, WHITE VITREOUS CHINA, 4" CENTERSET HOLES, OVERFLOW DRAIN, 20" X 18" NOMINAL OVERALL SIZE, CONCEALED ARM INSTALLATION. REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHT. CONTROLS; PROFLO PFWSC3007; DECK–MOUNT SINGLE–HANDLE CENTERSET BATHROOM FAUCET, POLISHED CHROME FINISH, 0.5 GPM MAX. FLOW RATE, COMPLETE W/#OBPS30223CP 0.5 GPM AERATOR. TW MIXER; PROVIDE THERMOSTATIC MIXER (TMV–1) ON FAUCET SUPPLIES. SET OUTLET NOT TO EXCEED 110°F. DRAIN; McGUIRE 155A; CHROME PLATED CAST BRASS OPEN GRID P.O. PLUG W/ 17 GA. 1–1/4" X 6" BRASS TAILPIECE. TRAP; McGUIRE 8912CBECO; 1 1/4" X 1 1/2" 17 GA. P–TRAP W/ CLEANOUT PLUG, CHROME PLATED. STOP(S); McGUIRE LFBV2165; 1/2" I.P.S. X 3/8" O.D. LAVATORY SUPPLY KIT, QUARTER–TURN BRASS BALL VALVES, COPPER FLEX TUBE RISERS, ALL CHROME PLATED CARRIER; ZURN Z1231E2	1/2"	1/2"
S1 (DWELLING)	PROFLO/ McGUIRE/ BRASSCRAFT/ MOEN,/	FIXTURE; PROFLO PLOMOSA PFUC2074; UNDERMOUNT STAINLESS STEEL DOUBLE BOWL KITCHEN SINK, 18 GAUGE TYPE 304 STAINLESS STEEL, 32–1/4" X 18–1/2" OVERALL, 14–5/8" X 16–5/8" X 9" DP BOWLS, 3–1/2" CENTER REAR DRAIN OPENINGS. CONTROLS; PROFLO PFXC31010CP; DECK MOUNTED, 3–HOLE, SINGLE HANDLE, HOT AND COLD MIXING FAUCET, CERAMIC DISC CARTRIDGE, 1.5 GPM FLOW RATE, CHROME FINISH. TRAP; McGUIRE MODEL 8912CBECO; 1–1/2" x 1–1/2" 17 GA. P–TRAP, CLEANOUT, CHROME PLATED. STOP(S); BRASSCRAFT MODEL KTCR19; 1/2" X 3/8" CHROME PLATED QUARTER–TURN BRASS BALL STOPS W/BRAIDED STAINLESS STEEL RISERS. DISPOSER; MOEN MODEL GXP33C; CONTINUOUS FEED, 1/3 HP MOTOR, GALVANIZED STEEL GRINDING ELEMENTS, PRE–INSTALLED POWER CORD, INCLUDE MODEL ARC–4200–CHSRS AIR SWITCH W/CONTROLLER & CHROME FINISH. 1 YEAR PARTS AND IN–HOME SERVICE WARRANTY.	1/2"	1/2"
S2 (DWELLING ADA ACCESSIBLE)	PROFLO/ McGUIRE/ BRASSCRAFT/ MOEN/	FIXTURE; PROFLO PLOMOSA PFUC2177A55; UNDERMOUNT STAINLESS STEEL DOUBLE BOWL KITCHEN SINK, 18 GAUGE TYPE 304 STAINLESS STEEL, 31" X 18" OVERALL, 14" X 16" X 5–1/4" DP BOWLS, 3–1/2" CENTER REAR DRAIN OPENINGS. CONTROLS; PROFLO PFXC31010CP; DECK MOUNTED, 3–HOLE, SINGLE HANDLE, HOT AND COLD MIXING FAUCET, CERAMIC DISC CARTRIDGE, 1.5 GPM FLOW RATE, CHROME FINISH. TRAP; McGUIRE MODEL 8912CBECO; 1–1/2" x 1–1/2" 17 GA. P–TRAP, CLEANOUT, CHROME PLATED. STOP(S); BRASSCRAFT MODEL KTCR19; 1/2" X 3/8" CHROME PLATED QUARTER–TURN BRASS BALL STOPS W/BRAIDED STAINLESS STEEL RISERS. DISPOSER; MOEN MODEL GXP33C, CONTINUOUS FEED, 1/3 HP MOTOR, GALVANIZED STEEL GRINDING ELEMENTS, PRE–INSTALLED POWER CORD, INCLUDE MODEL ARC–4200–CHSRS AIR SWITCH W/CONTROLLER & CHROME FINISH. 1 YEAR PARTS AND IN–HOME SERVICE WARRANTY. FIXTURE ASSEMBLY TO COMPLY WITH HANDICAP ACCESSIBLE REQUIREMENTS	1/2"	1/2"
S3 (CLUBHOUSE ADA ACCESSIBLE)	KOHLER/ McGUIRE/	FIXTURE; KOHLER MODEL K–25939; "VAULT" 18 GAUGE TYPE 304 STAINLESS STEEL SINGLE BOWL UNDERMOUNT SINK, 30–1/4" X 16–9/16" X 5–1/2" DP BOWL, 3–1/2" REAR CENTER DRAIN, CUTOUT TEMPLATE. REQUIRES 36" WIDE MIN. BASE CABINET. CONTROLS; KOHLER RIVAL K–30469–4N; DECK–MOUNT SINGLE–HOLE SINGLE–HANDLE PULL–DOWN KITCHEN FAUCET, POLISHED CHROME FINISH, SINGLE HOLE MOUNTING, 1.5 GPM MAXIMUM FLOW RATE. DRAIN; KOHLER MODEL K–8801; 3–1/2" DRAIN, SOLID BRASS BODY & TAILPIECE W/ BASKET STRAINER, VIBRANT STAINLESS FINISH TRAP; McGUIRE MODEL 8912CBECO; 1–1/2" X 1–1/2" 17 GA. P–TRAP, CHROME PLATED. STOP(S); McGUIRE MODEL LFBV2165; 1/2" I.P.S. X 3/8" O.D. SUPPLY KIT, QUARTER–TURN BRASS BALL VALVES, COPPER FLEX TUBE RISERS, ALL CHROME PLATED. DISPOSER; INSINKERATOR CONTRACTOR 333; CONTINUOUS FEED WASTE DISPOSAL WITH FACTORY INSTALLED POWER CORD, MANUAL RESET, STAINLESS STEEL GRIND COMPONENTS, 3/4 HP, 120 VOLT, 9.5 AMP HEAVY DUTY MOTOR FIXTURE ASSEMBLY TO COMPLY WITH HANDICAP ACCESSIBLE REQUIREMENTS	1/2"	1/2"
SH1	CLARION/ PROFLO/	BASE; CLARION MODEL RE6036NS; ALCOVE SHOWER, 1–PIECE WHITE ACRYLIC, SLIP RESISTANT FLOOR, CENTER DRAIN, MOLDED SOAP LEDGES, 7" THRESHOLD. CERTIFIED TO MEET CSA B445.5/IAPMO Z124 STANDARD. TRIM; PROFLO PF7610GCP; SINGLE–HANDLE SHOWER TIM KIT, CHROME METAL WALL ESCUTCHEON, BRASS SHOWER ARM & FLANGE, 1.75 GPM SINGLE FUNCTION SHOWERHEAD, ALL CHROME PLATED FINISH. CONTROLS; PROFLO PF4001: PRESSURE BALANCING SHOWER VALVE WITH SHOWER OUTLET, INTEGRAL STOPS, ADJUSTABLE TEMPERATURE LIMIT STOP, ASSE 1016 LABELED, 1/2" IPS CONNECTIONS, VOLUME CONTROL, CHROME FINISH. SET TEMPERATURE LIMIT AT 120 DEGREES F.	1/2"	1/2"
BT1	CLARION/ PROFLO/	FIXTURE; CLARION MODEL TS6036L (LEFT–HAND DRAIN)/TS6036R (RIGHT–HAND DRAIN); 60"x36"x74–1/4" 1–PIECE ALCOVE TUB SHOWER, WHITE ACRYLIC, SLIP RESISTANT FLOOR, ABOVE FLOOR ROUGH–IN, 21" APRON, CONTRACTOR TO CONFIRM QUANTITY OF LEFT OR RIGHT HAND DRAIN ORIENTATIONS. CERTIFIED TO CSA B45.5/IAPMO Z124 STANDARD. TRIM; PROFLO PF7611GCP; SINGLE–HANDLE TUB/SHOWER TIM KIT, CHROME METAL WALL ESCUTCHEON, BRASS SHOWER ARM & FLANGE, 1.75 GPM SINGLE FUNCTION SHOWERHEAD, SLIP–FIT SPOUT, ALL CHROME PLATED FINISH. CONTROLS; PROFLO PF4001: PRESSURE BALANCING SHOWER VALVE WITH SHOWER OUTLET, INTEGRAL STOPS, ADJUSTABLE TEMPERATURE LIMIT STOP, ASSE 1016 LABELED, 1/2" IPS CONNECTIONS, VOLUME CONTROL, CHROME FINISH. SET TEMPERATURE LIMIT AT 120 DEGREES F.	1/2"	1/2"
BT2 (HANDICAP ACCESSIBLE)	CLARION/	FIXTURE; CLARION MODEL MP7911L (LEFT–HAND DRAIN)/MP7911R (RIGHT–HAND DRAIN); 60"x33"x77" 1–PIECE ADA COMPLIANT ALCOVE TUB/ SHOWER, WHITE ACRYLIC, SLIP RESISTANT FLOOR, 18" APRON, CONTRACTOR TO CONFIRM LEFT OR RIGHT HAND DRAIN ORIENTATIONS. FURNISH COMPLETE WITH 24" & 18" GRAB BARS, FOLDING SEAT, (2)–SOAP DISHES, ZURN MODEL Z7300–SS–MT ASSE 1016 COMPLIANT PRESSURE–BALANCING MIXING VALVE W/INTEGRAL CHECK STOPS & ADJUSTABLE LIMIT STOP SET AT 120° F., ADA COMPLIANT HANDHELD SHOWER W/60" HOSE, VACUUM BREAKER, 30" GLIDE BAR & SUPPLY MOUNT, CURTAIN ROD, CURTAIN, BRASS DRAIN AND ZURN MODEL Z7000–T4 TUB SPOUT W/PULL–UP DIVERTER. SEE ARCHITECTURAL DRAWINGS FOR MOUNTING LOCATIONS. MEETS THE REQUIREMENTS OF ADA (2010 STD), ICC/ANSI A117.1– 2017, ABA OR UFAS. COMPLIES WITH NAHB, HUD UM–73A, ANSI–Z124.1,2, AND FHA–SAFE HARBOR.	1/2"	1/2"
MS1 (CLUB HOUSE)	FIAT/ T&S BRASS/	FIXTURE; FIAT MODEL NO. MSB–2424; MOLDED STONE WITH INTEGRAL DRAIN AND GRID STRAINER. CONTROLS; T&S BRASS MODEL B–0665–BSTP; 8" WALL MOUNT FAUCET WITH INTEGRAL SERVICE STOPS, 1/4–TURN CERAMIC CARTRIDGES W/INTEGRAL CHECK VALVES, 6" SPOUT W/VACUUM BREAKER, 3/4" HOSE THREAD OUTLET, PAIL HOOK AND WALL BRACE OTHER; FIAT MODEL NO. E–77–AA; VINYL BUMPER GUARDS; FIAT MODEL NO. MSG–2424; STAINLESS STEEL WALL GUARDS FIAT MODEL NO. B89–CC; STAINLESS STEEL MOP HANGER	1/2"	1/2"

PLUMBING LEGEND

NOTE: NOT ALL SYMBOLS MAY BE USED

SYMBOL	DESCRIPTION
DWS	DOMESTIC WATER SERVICE (BEL. FLR.)
FWS	FIRE WATER SERVICE (BEL. FLR.)
SAN	SANITARY (ABV. FLR.)
SAN	SANITARY (BEL. FLR.)
V	SANITARY VENT
IND	INDIRECT DRAIN WASTE (ABV. FLR.)
IND	INDIRECT DRAIN WASTE (BEL. FLR.)
PSTM	PRIMARY STORM DRAIN (ABV. FLR.)
PSTM	PRIMARY STORM DRAIN (BEL. FLR.)
SSTM	SECONDARY STORM DRAIN (ABV. FLR.)
SSTM	SECONDARY STORM DRAIN (BEL. FLR.)
CW	DOMESTIC COLD WATER
HW	DOMESTIC HOT WATER (EQUAL TO & GREATER THAN 110°F.)
HWR	DOMESTIC HOT WATER RETURN
TW	TEMPERED WATER (BETWEEN 85°F. & 110°F.)
TP	TRAP PRIMER SUPPLY LINE
G	LOW PRESSURE NATURAL GAS (BETWEEN 7" W.C. TO 14" W.C.)
MG	MEDIUM PRESSURE NATURAL GAS (BETWEEN 1 PSI TO 5 PSI)
SPD	SUMP PUMP DISCHARGE

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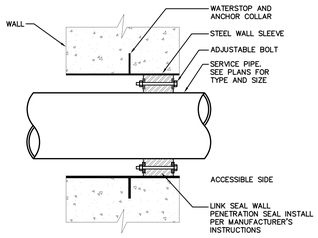
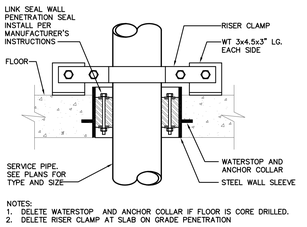


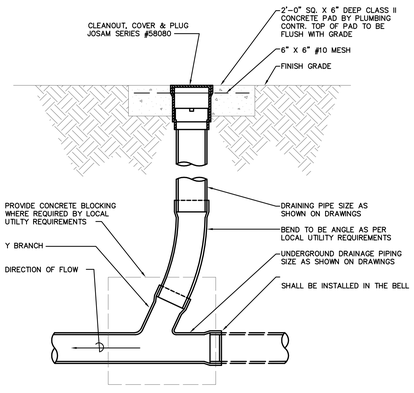
NOTE:
DELETE WATERSTOP AND ANCHOR COLLAR IF WALL IS CORE DRILLED

WATERTIGHT WALL PENETRATION FOR PIPES
NO SCALE



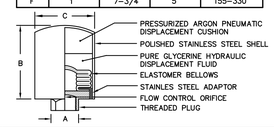
NOTES:
1. DELETE WATERSTOP AND ANCHOR COLLAR IF FLOOR IS CORE DRILLED.
2. DELETE RISER CLAMP AT SLAB ON GRADE PENETRATION

WATERTIGHT FLOOR PENETRATION FOR PIPES
NO SCALE

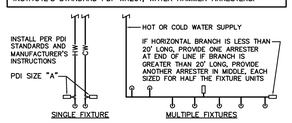


EXTERIOR CLEANOUT DETAIL
NO SCALE

WATER HAMMER ARRESTOR SCHEDULE				
TYPE (WHA)	DIMENSION 'A' DIA	DIMENSION 'B'	DIMENSION 'C' DIA	FIXTURE UNIT CAPACITY
'A'	3/4"	4-1/2"	3-1/4"	1-11
'B'	1"	5-1/4"	3-1/4"	12-32
'C'	1"	6"	3-1/4"	33-60
'D'	1"	6-3/4"	3-1/4"	61-113
'E'	1"	6-3/4"	5"	114-154
'F'	1"	7-3/4"	5"	155-330



WATER HAMMER ARRESTER SHALL BE SIZED AND PLACED THROUGHOUT PLUMBING WATER SYSTEMS AS REQUIRED PER PLUMBING & DRAINAGE INSTITUTE'S STANDARD PDI-WH201, WATER HAMMER ARRESTERS.



SINGLE FIXTURE — MULTIPLE FIXTURES

PDI SIZE	PIPE SIZE	FIXTURE UNIT LOAD
A	1/2"	1-11
B	3/4"	12-32
C	1"	33-60
D	1-1/4"	61-113
E	1-1/2"	114-154

FIXTURE UNIT TABULATION (WSFU)		
FIXTURE	COLD	HOT
TANK WATER CLOSET	5	–
F.V. WATER CLOSET	10	–
F.V. URINAL	5	–
LAVATORY	1.5	1.5
KITCHEN SINK	1.5	1.5
3-COMP SINK	3	3
MOP BASIN	2.25	2.25

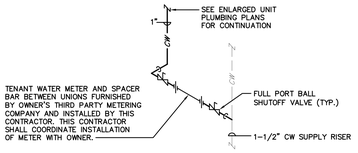
PC TO PROVIDE WATER HAMMER ARRESTERS BY SIOUX CHIEF, PRECISION PLUMBING PRODUCTS, WATTS, ZURN OR APPROVED EQUIVALENT WITH PISTON AND O-RING CONSTRUCTION, HAVING PDI #WH-201, ASSE #1010 AND ANSI #A112.26.1M CERTIFICATION. INSTALL IN HORIZONTAL OR VERTICAL POSITION, BUT NEVER UPSIDE DOWN. INSTALL IN LINE WITH WATER FLOW DIRECTION IF POSSIBLE. SIZE THE UNITS AS SHOWN ON THE DRAWINGS AND/OR PER THE TABLES SHOWN ABOVE.

WATER HAMMER ARRESTER DIAGRAM

FIXTURE SUPPLY SIZES		
FIXTURE	PEX PIPE SIZE	
	HW	CW
WATER CLOSET	–	1/2"
LAVATORY	1/2"	1/2"
TUB/SHOWER	1/2"	1/2"
SHOWER	1/2"	1/2"
KITCHEN SINK	1/2"	1/2"
LAUNDRY WASHER	1/2"	1/2"
REFRIGERATOR	–	1/2"

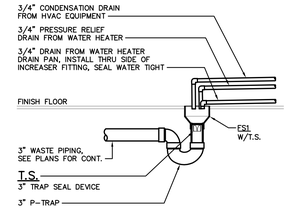
NOTES:
1. FOR ABOVE GROUND PIPING WITHIN DWELLING UNITS UP TO AND INCLUDING 3/4' IN SIZE, CROSSLINKED POLYETHYLENE PEX-A TUBING AS MANUFACTURED BY UPONOR OR EQUAL CONFORMING TO ASTM F876 AND ASTM F877 MAY BE PROVIDED AT THE CONTRACTOR'S OPTION.
2. PEX MANIFOLDS SHALL BE A TYPE L COPPER BODY WITH BRASS PROPEX OUTLET CONNECTIONS. ALL MANIFOLDS TO BE PROVIDED WITH INLET CONNECTIONS CONFORMING TO ABOVE FIXTURE SUPPLY SIZES TABLE. EXACT QUANTITY OF COLD AND HOT WATER OUTLET PORTS TO BE COORDINATED IN-FIELD IN A ADVANCE OF WORK BY THIS CONTRACTOR.

TYPICAL PEX MANIFOLD PIPING DIAGRAM

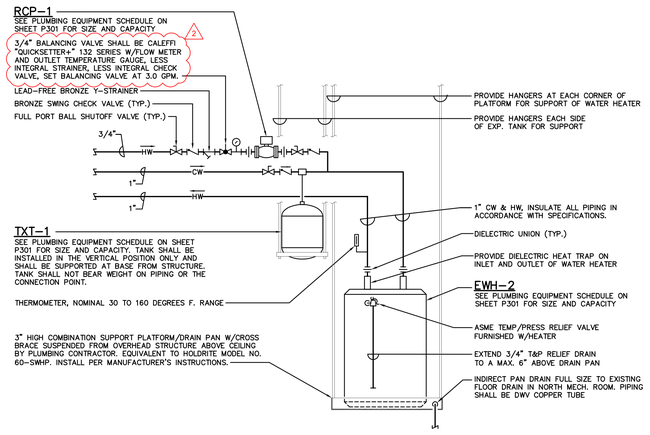


INSTALLATION NOTES:
1. INSTALL METERS ON REAR WALL OF UTILITY CLOSET AT A MINIMUM 24" ABOVE FINISH FLOOR.
2. INSTALL METERS TO ALLOW FOR READY ACCESS FROM THE FRONT OF THE UTILITY CLOSET.
3. INSTALL METERS WITH A MINIMUM 7-1/2" OF STRAIGHT PIPE AT THE INLET AND OUTLET.
4. INSULATE ALL DOMESTIC WATER PIPING IN ACCORDANCE WITH SPECIFICATIONS.

TYPICAL DWELLING UNIT WATER METER DIAGRAM

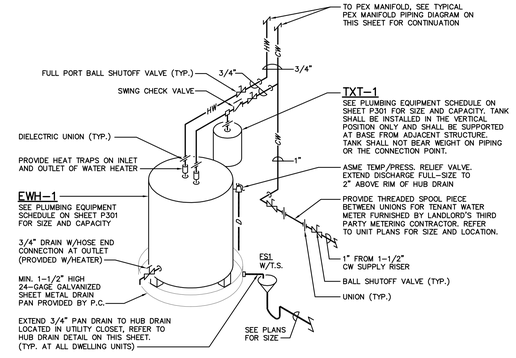


DWELLING UNIT HUB DRAIN DETAIL
NO SCALE (TYPICAL AT UTILITY CLOSETS IN DWELLING UNITS)



INSTALLATION NOTES:
1. INSTALL SUSPENDED SUPPORT PLATFORM/DRIP PAN WITH 1/2" ALL-THREAD SUPPORT RODS TO OVERHEAD STRUCTURE AS HIGH AS POSSIBLE ABOVE CEILING. MINIMUM OF FOUR (4) SUPPORT RODS TO BE PROVIDED.
2. STORAGE OF HOT WATER TO BE MAINTAINED AT A TEMPERATURE NOT TO EXCEED 140°F. INSTALLATION TO BE PER MANUFACTURER'S RECOMMENDATIONS AND COORDINATED WITH ELECTRICAL CONTRACTOR IN ADVANCE OF ANY WORK.
3. PROVIDE HEAT TRAP FITTINGS ON INLET AND OUTLET CONNECTIONS OF HEATER.
4. INSULATE ALL PIPING IN ACCORDANCE WITH SPECIFICATIONS.

EWH-2; WATER HEATER PIPING DIAGRAM (CLUB HOUSE)



INSTALLATION NOTES:
1. ALL WATER HEATERS INSTALLED ON FLOORS OTHER THAN SLAB ON GRADE OR NON-PERMEABLE CONCRETE SHALL INCLUDE A DRIP PAN PROVIDED BY THE HEATER MANUFACTURER. THE DRIP PAN SHALL BE MIN. 1-1/2" HIGH, AND MIN. 4" LARGER THAN HEATER DIAMETER. PROVIDE A 3/4" SIDE OUTLET WITH FULL SIZE DISCHARGE TO FLOOR DRAIN.
2. INSTALL EACH WATER HEATER IN SUCH A MANNER AS TO PROVIDE ACCESS TO SERVICE COVERS AND DRAIN RELATIVE TO STRUCTURE AND WORK OF OTHER TRADES (FURNACE, ETC.). CONDITIONS TO BE CONFIRMED AT EACH INSTALLATION (VARIES BY TENANT UNIT TYPE & CONFIGURATION).
3. STORAGE OF HOT WATER TO BE MAINTAINED AT A TEMPERATURE NOT TO EXCEED 140°F. INSTALLATION TO BE PER MANUFACTURER'S RECOMMENDATIONS AND COORDINATED WITH ELECTRICAL CONTRACTOR IN ADVANCE OF ANY WORK.

EWH-1; DWELLING UNIT DOMESTIC CW, HW AND WATER HEATER PIPING DIAGRAM

#	DATE	CHANGE DESCRIPTION
1	06/10/2025	ADDENDUM# 01
2	06/25/2025	ADDENDUM# 02

COLUMBUS METROPOLITAN HOUSING AUTHORITY
COMMUNITY. COMMITMENT. COLLABORATION.

THE FALLS ON REFUGEE ROAD
3355 REFUGEE ROAD, COLUMBUS, OH 43232
FOR
CMHA

Moody Nolan
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: 614-461-4664
CERT. NO: FIRM 00197475

DRAWING TITLE:
PLUMBING DETAILS

05/01/2025
23446
P401
CD PROGRESS SET

PROGRESS DRAWING NOT FOR CONSTRUCTION

P401-24217.DWG

PRATER
Engineering Associates, Inc.
6130 Wilcox Road (614) 766 4896
Dublin, Ohio 43016 FAX: (614) 766 2354

DESIGNED BY	DRAWN BY	CHECKED BY	JOB NUM.
B.BURNS	B.BURNS	C.ANDERSON	24217

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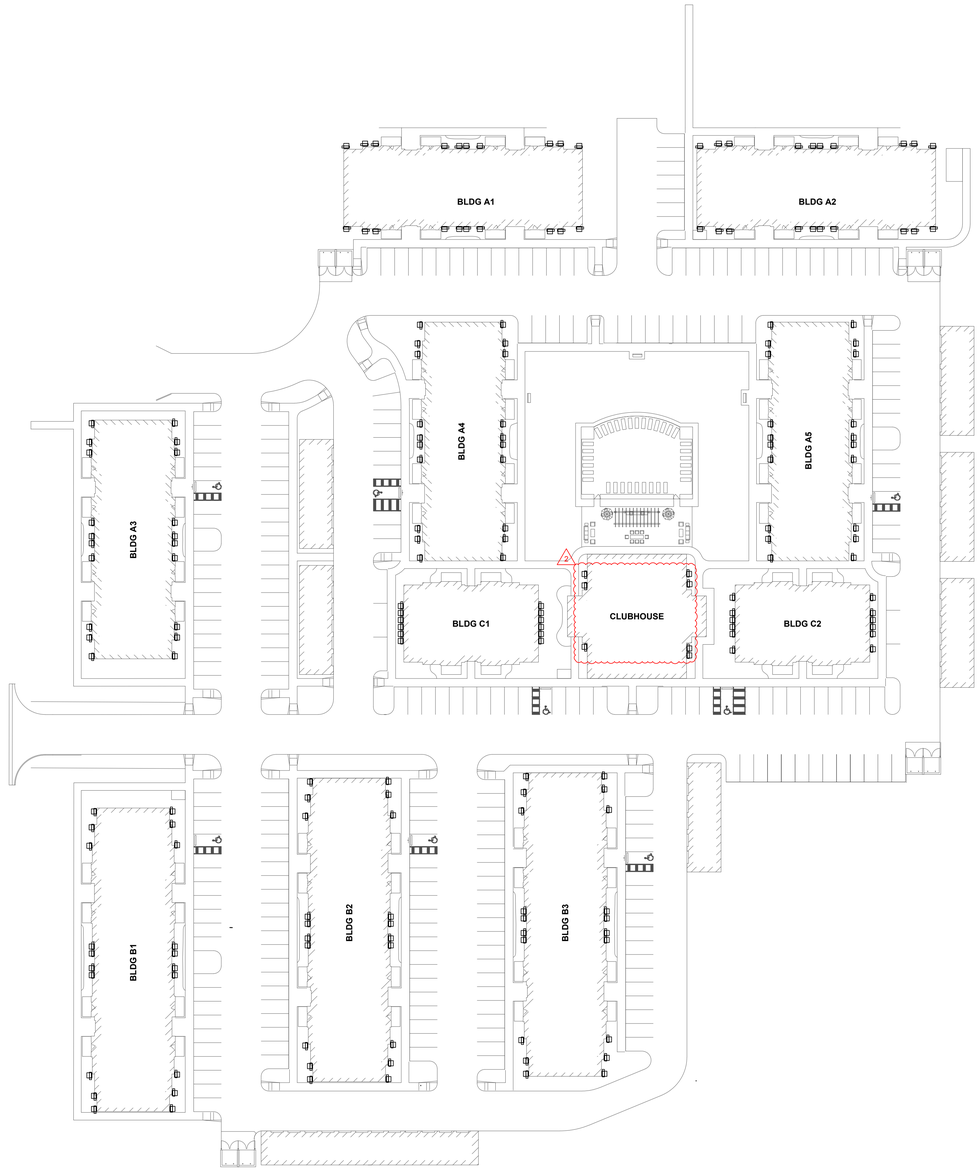

HVAC SITE PLAN
SCALE: 1"=40'-0"

H100-24217.DWG

PRATER
Engineering Associates, Inc.
6130 Wilcox Road
Dublin, Ohio 43016
(614) 766 4896
FAX: (614) 766 2354

DESIGNED BY	DRAWN BY	CHECKED BY	JOB NUM.
B. MCFERRIN	B. MCFERRIN		24217

#	DATE	CHANGE DESCRIPTION
1	06/10/2025	ADDENDUM# 01
2	06/25/2025	ADDENDUM# 02

COLUMBUS METROPOLITAN HOUSING AUTHORITY
COMMUNITY. COMMITMENT. COLLABORATION.

THE FALLS ON REFUGEE ROAD
3355 REFUGEE ROAD. COLUMBUS, OH 43232
FOR
CMHA

Moody Nolan
300 SPRUCE STREET
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COLUMBUS, OHIO 43215
PHONE: 614-461-4664
CERT. NO: FIRM 00197475

DRAWING TITLE:
HVAC SITE PLAN

PROGRESS
DRAWING
NOT FOR
CONSTRUCTION

05/01/2025

23446

H100

CD PROGRESS SET

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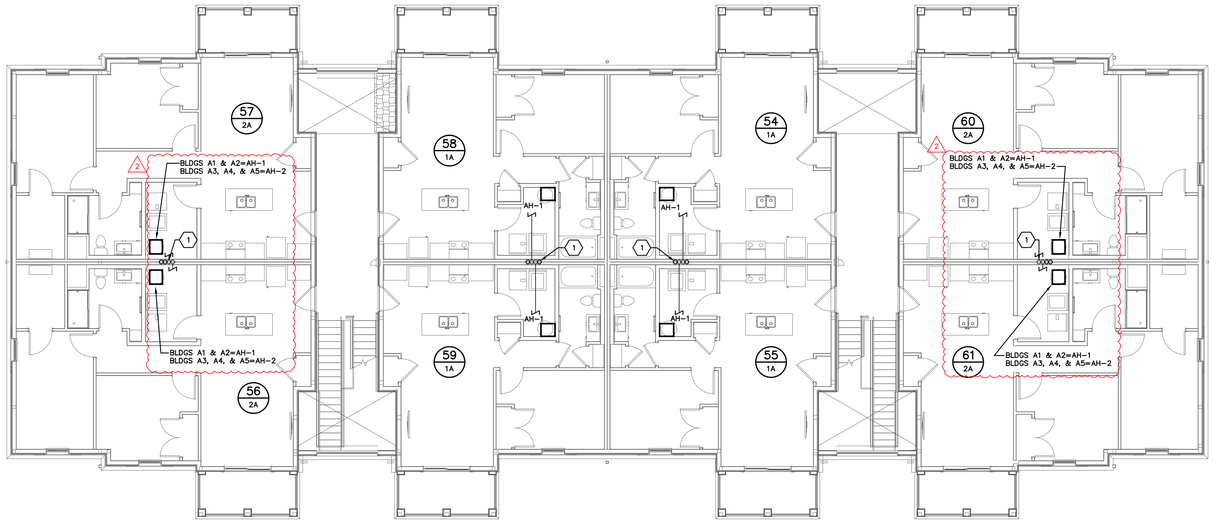
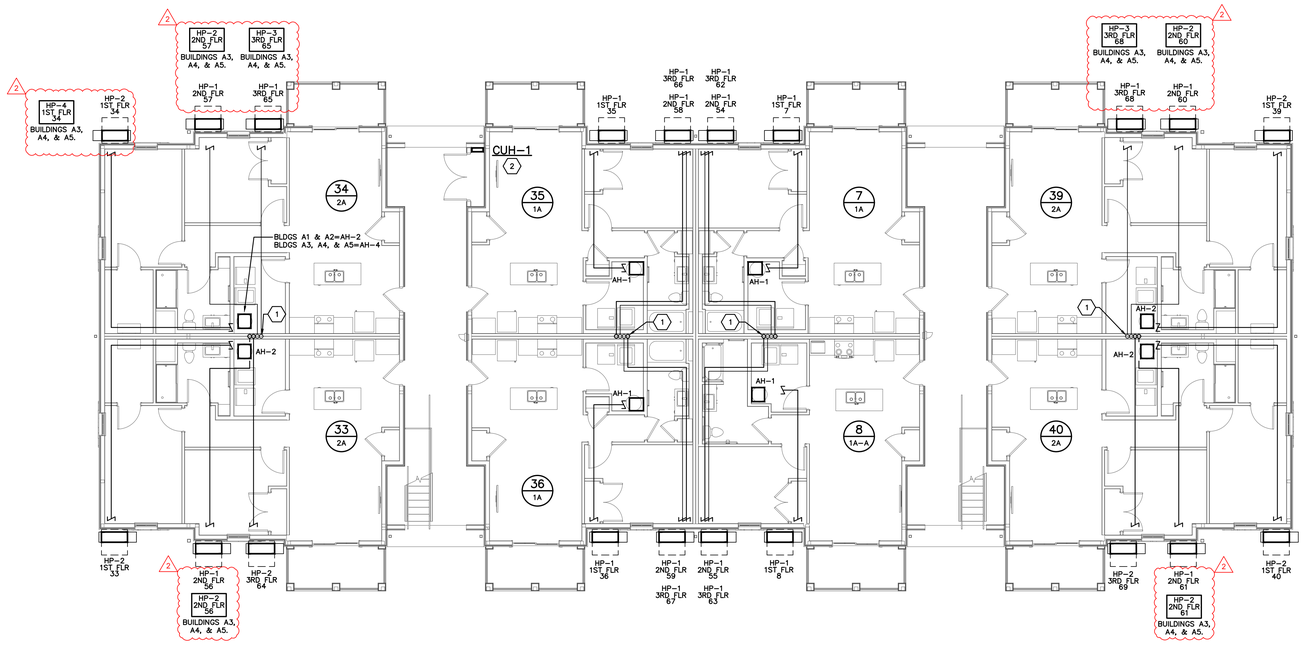


LEVEL 02 HVAC PLAN – BUILDING A
SCALE: 1/8"=1'-0"



LEVEL 01 HVAC PLAN – BUILDING A
SCALE: 1/8"=1'-0"

CODED NOTES ⬡

1. REFRIGERANT PIPING DOWN INSIDE WALL CAVITY TO OUTDOOR UNITS ON GRADE. PIPE PER THE DETAILS ON SHEET HXX (TYP.).
2. COORDINATE CUH LOCATION PRIOR TO ROUGH IN WITH P/FP DRAWINGS. CUH ONLY TO BE IN CLOSETS WITH PLUMBING OR FIRE PROTECTION PIPING EXPOSED. MAINTAIN ALL NEC CLEARANCES FOR ANY ELECTRICAL PANELS WITHIN CLOSETS.

#	DATE	CHANGE DESCRIPTION
1	06/10/2025	ADDENDUM# 01
2	06/25/2025	ADDENDUM# 02

COLUMBUS METROPOLITAN HOUSING AUTHORITY
COMMUNITY. COMMITMENT. COLLABORATION.

THE FALLS ON REFUGEE ROAD
3355 REFUGEE ROAD, COLUMBUS, OH 43232
FOR
CMHA

Moody Nolan
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: 614-461-4664
CERT. NO: FIRM 00197475

DRAWING TITLE:
BUILDING A - LEVEL 01 & 02 HVAC PLANS

H101-A-24217.DWG

PRATER
Engineering Associates, Inc.
6130 Wilcox Road
Dublin, Ohio 43016
(614) 766 4896
FAX: (614) 766 2354

DESIGNED BY	DRAWN BY	CHECKED BY	JOB NUM.
B. MCFERRIN	B. MCFERRIN		24217

PROGRESS DRAWING NOT FOR CONSTRUCTION

05/01/2025
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H101-A
CD PROGRESS SET

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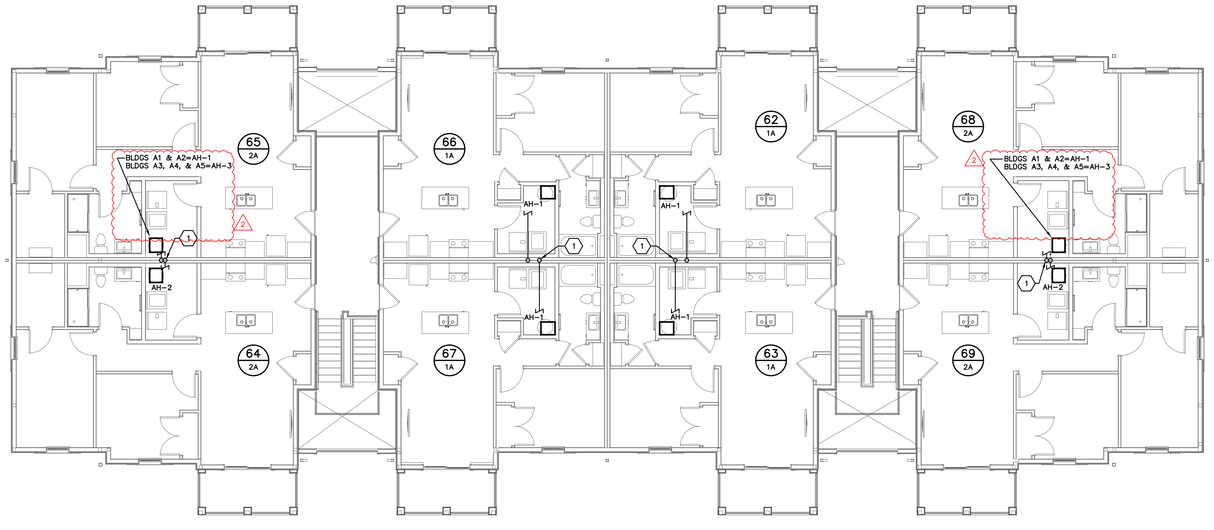

LEVEL 03 HVAC PLAN – BUILDING A
SCALE: 1/8"=1'-0"

CODED NOTES

1. REFRIGERANT PIPING DOWN INSIDE WALL CAVITY TO OUTDOOR UNITS ON GRADE. PIPE PER THE DETAILS ON SHEET HXX (TYP.).

#	DATE	CHANGE DESCRIPTION
1	06/10/2025	ADDENDUM# 01
2	06/25/2025	ADDENDUM# 02

COLUMBUS METROPOLITAN HOUSING AUTHORITY
COMMUNITY. COMMITMENT. COLLABORATION.

THE FALLS ON REFUGEE ROAD
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FOR
CMHA

Moody Nolan
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: 614-461-4664
CERT. NO: FIRM 00197475

DRAWING TITLE:
BUILDING A - LEVEL 03 HVAC PLANS

H102-A-24217.DWG

PRATER
Engineering Associates, Inc.
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Dublin, Ohio 43016
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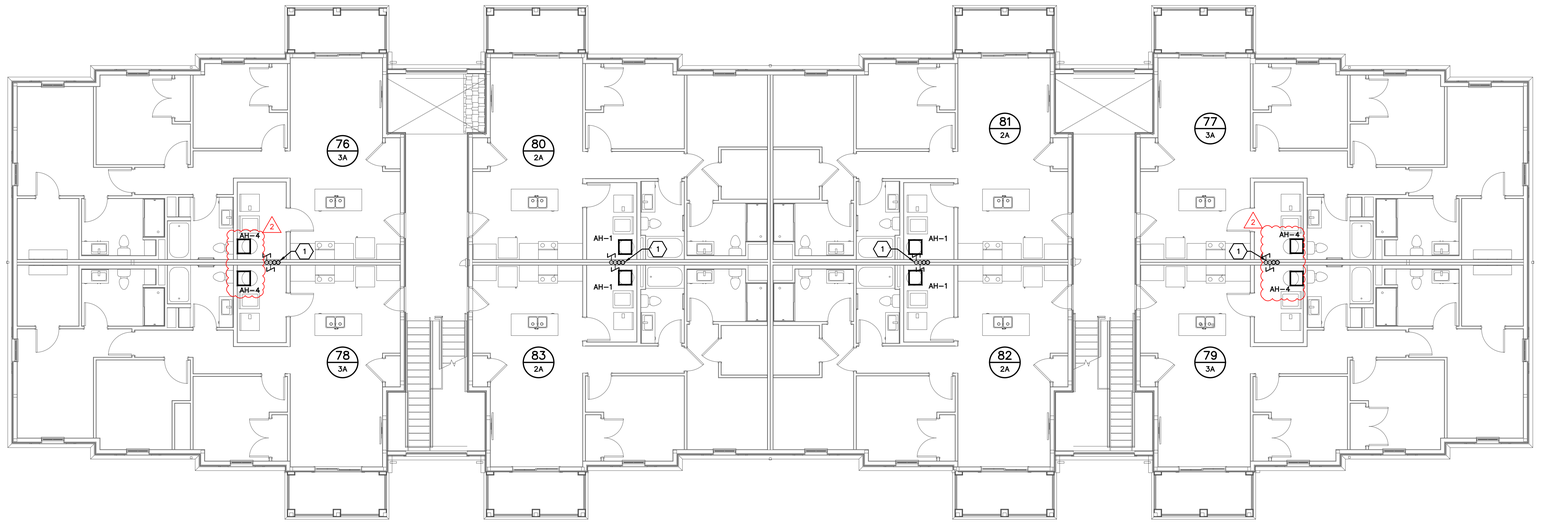
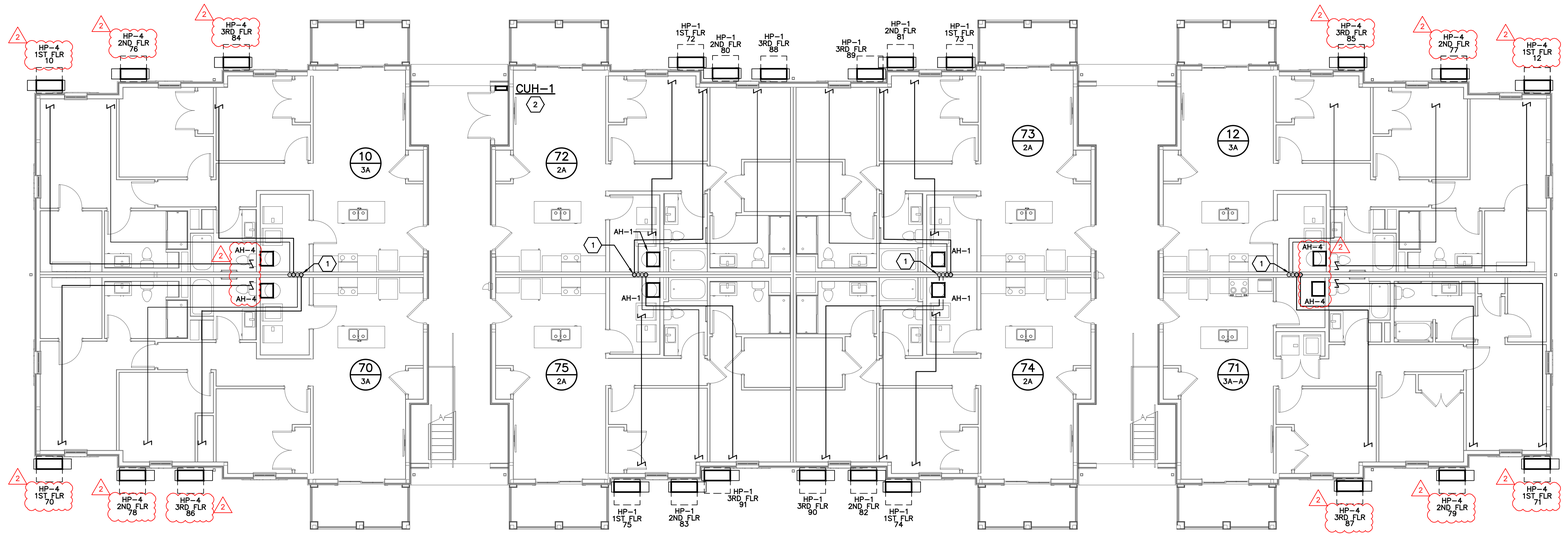


LEVEL 02 HVAC PLAN – BUILDING B
SCALE: 1/8"=1'-0"



LEVEL 01 HVAC PLAN – BUILDING B
SCALE: 1/8"=1'-0"

CODED NOTES ⬡

1. REFRIGERANT PIPING DOWN INSIDE WALL CAVITY TO OUTDOOR UNITS ON GRADE. PIPE PER THE DETAILS ON SHEET HXX (TYP.).
2. COORDINATE CUH LOCATION PRIOR TO ROUGH IN WITH P/FP DRAWINGS. CUH ONLY TO BE IN CLOSETS WITH PLUMBING OR FIRE PROTECTION PIPING EXPOSED. MAINTAIN ALL NEC CLEARANCES FOR ANY ELECTRICAL PANELS WITHIN CLOSETS.

#	DATE	CHANGE DESCRIPTION
1	06/10/2025	ADDENDUM# 01
2	06/25/2025	ADDENDUM# 02

COLUMBUS METROPOLITAN HOUSING AUTHORITY
COMMUNITY. COMMITMENT. COLLABORATION.

THE FALLS ON REFUGEE ROAD
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FOR
CMHA

Moody Nolan
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SUITE 300
COLUMBUS, OHIO 43215
PHONE: 614-461-4664
CERT. NO: FIRM 00197475

DRAWING TITLE:
BUILDING B - LEVEL 01 & 02 HVAC PLANS

H103-B-24217.DWG

PRATER
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FAX: (614) 766 2354

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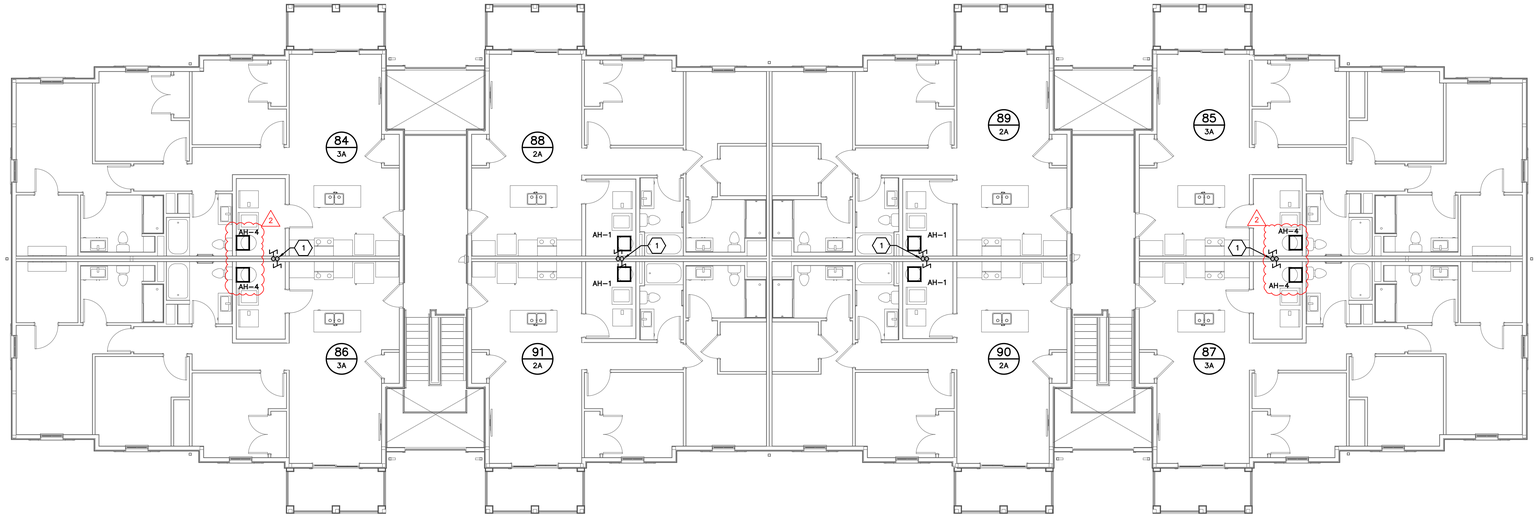

LEVEL 03 HVAC PLAN – BUILDING B
SCALE: 1/8"=1'-0"

CODED NOTES ⬡

1. REFRIGERANT PIPING DOWN INSIDE WALL CAVITY TO OUTDOOR UNITS ON GRADE. PIPE PER THE DETAILS ON SHEET HXX (TYP.).

#	DATE	CHANGE DESCRIPTION
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COLUMBUS METROPOLITAN HOUSING AUTHORITY
COMMUNITY. COMMITMENT. COLLABORATION.

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PHONE: 614-461-4664
CERT. NO: FIRM 00197475

DRAWING TITLE:
BUILDING B - LEVEL 03
HVAC PLANS

H104-B-24217.DWG

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Engineering Associates, Inc.
6130 Wilcox Road
Dublin, Ohio 43016
(614) 766 4896
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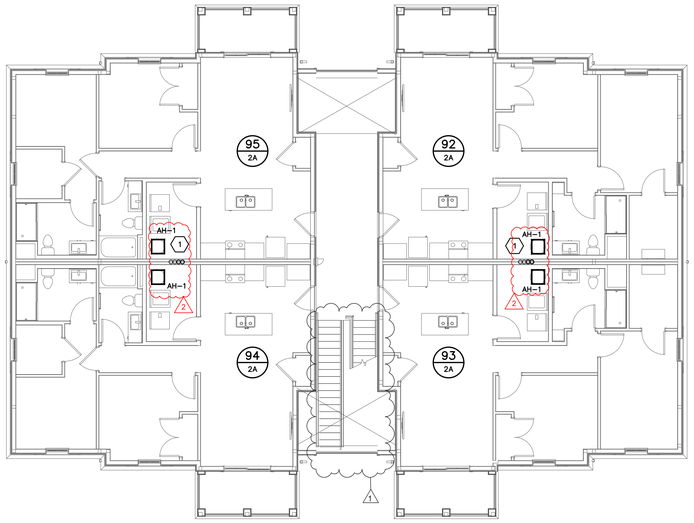
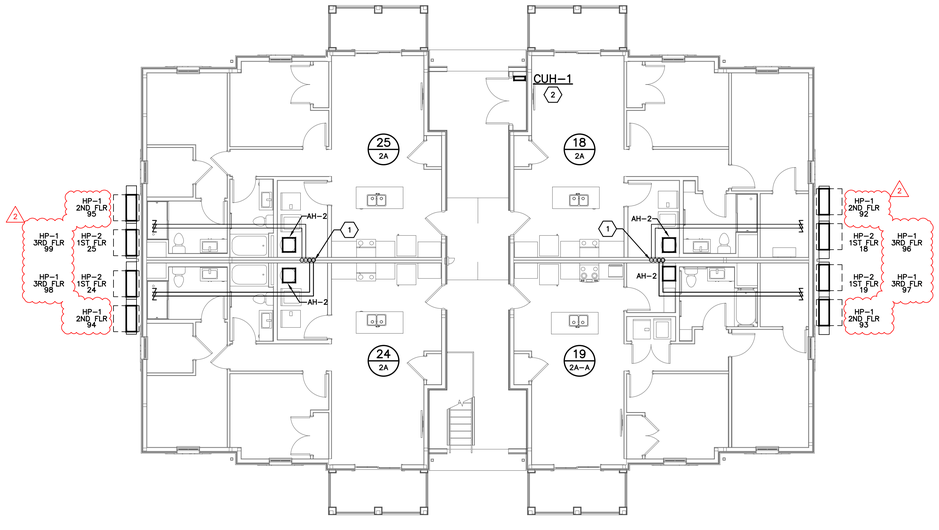


LEVEL 02 HVAC PLAN – BUILDING C
SCALE: 1/8"=1'-0"



LEVEL 01 HVAC PLAN – BUILDING C
SCALE: 1/8"=1'-0"

CODED NOTES ⬡

1. REFRIGERANT PIPING DOWN INSIDE WALL CAVITY TO OUTDOOR UNITS ON GRADE. PIPE PER THE DETAILS ON SHEET HXX (TYP.).
2. COORDINATE CUH LOCATION PRIOR TO ROUGH IN WITH P/FP DRAWINGS. CUH ONLY TO BE IN CLOSETS WITH PLUMBING OR FIRE PROTECTION PIPING EXPOSED. MAINTAIN ALL NEC CLEARANCES FOR ANY ELECTRICAL PANELS WITHIN CLOSETS.

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2	06/25/2025	ADDENDUM# 02

COLUMBUS METROPOLITAN HOUSING AUTHORITY
COMMUNITY. COMMITMENT. COLLABORATION.

THE FALLS ON REFUGEE ROAD
3355 REFUGEE ROAD, COLUMBUS, OH 43232
FOR
CMHA

Moody Nolan
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: 614-461-4664
CERT. NO: FIRM 00197475

DRAWING TITLE:
BUILDING C - LEVEL 01 & 02 HVAC PLANS

H105-C-24217.DWG

PRATER
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6130 Wilcox Road
Dublin, Ohio 43016
(614) 766 4896
FAX: (614) 766 2354

DESIGNED BY	DRAWN BY	CHECKED BY	JOB NUM.
B. MCFERRIN	B. MCFERRIN		24217

PROGRESS DRAWING NOT FOR CONSTRUCTION

05/01/2025
23446
H105-C
CD PROGRESS SET

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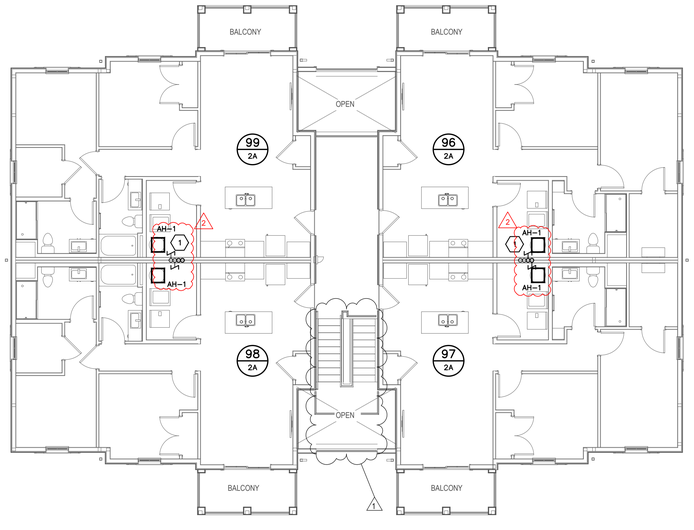

LEVEL 03 HVAC PLAN – BUILDING C
SCALE: 1/8"=1'-0"

CODED NOTES

1. REFRIGERANT PIPING DOWN INSIDE WALL CAVITY TO OUTDOOR UNITS ON GRADE. PIPE PER THE DETAILS ON SHEET HXX (TYP.).

#	DATE	CHANGE DESCRIPTION
1	06/10/2025	ADDENDUM# 01
2	06/25/2025	ADDENDUM# 02

COLUMBUS METROPOLITAN HOUSING AUTHORITY
COMMUNITY. COMMITMENT. COLLABORATION.

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3355 REFUGEE ROAD, COLUMBUS, OH 43232
FOR
CMHA

Moody Nolan
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: 614-461-4664
CERT. NO: FIRM 00197475

DRAWING TITLE:
BUILDING C - LEVEL 03
HVAC PLANS

H106-C-24217.DWG

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DESIGNED BY	DRAWN BY	CHECKED BY	JOB NUM.
B. MCFERRIN	B. MCFERRIN		24217

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CD PROGRESS SET

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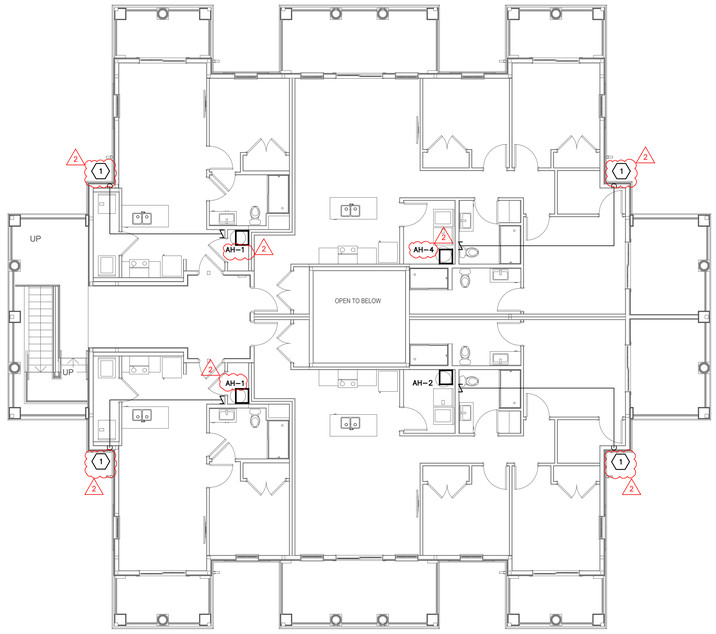
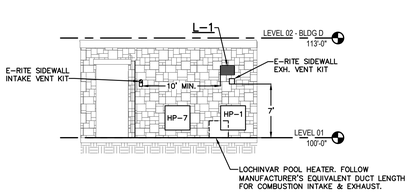
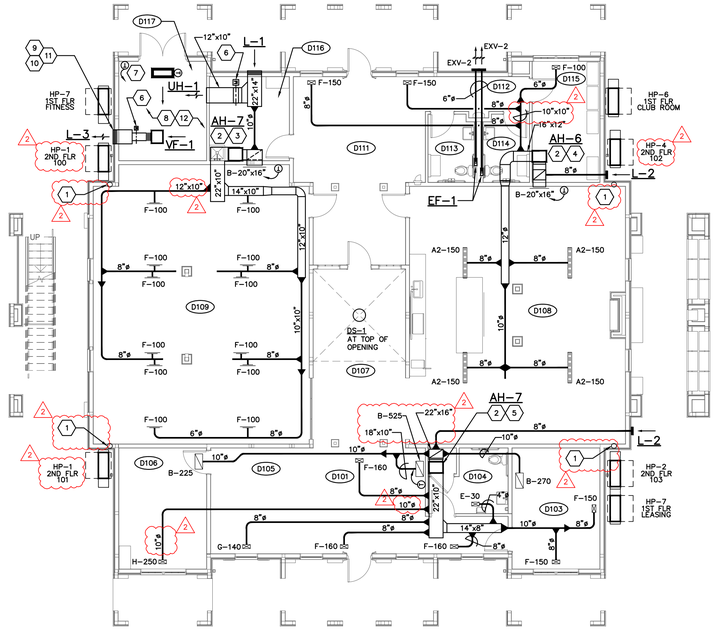


LEVEL 02 HVAC PLAN – BUILDING D
SCALE: 1/8"=1'-0"



POOL HEATER VENT DETAIL
SCALE: N.T.S



LEVEL 01 HVAC PLAN – BUILDING D
SCALE: 1/8"=1'-0"

CODED NOTES

1. REFRIGERANT PIPING DOWN INSIDE WALL CAVITY TO OUTDOOR UNITS ON GRADE. PIPE PER THE DETAILS ON SHEET HXX (TYP.).
2. INSTALL AIR HANDLING UNIT, REFRIGERANT PIPING, PRIMARY DRAIN LINE AND CONDENSATE OVERFLOW SHUT-OFF SWITCH PER THE DETAILS ON SHEET HXX.
3. BALANCE OUTSIDE AIR DUCT TO 330 CFM. BALANCE R.A. DUCT TO 870 CFM.
4. BALANCE OUTSIDE AIR DUCT TO 180 CFM. BALANCE R.A. DUCT TO 820 CFM.
5. BALANCE OUTSIDE AIR DUCT TO 130 CFM. BALANCE R.A. DUCT TO 1070 CFM.
6. MOTOR OPERATED DAMPER INTERLOCKED W/ VENTILATION FAN.
7. LINE VOLTAGE COOLING ONLY THERMOSTAT FOR CONTROL OF VENTILATION FAN. THERMOSTAT SHALL BE WIRED TO TURN ON FAN WHEN THE SPACE TEMPERATURE IS ABOVE THE THERMOSTAT SET POINT.
8. COORDINATE HVAC EQUIPMENT LOCATIONS & ROUTING OF DUCTS/PIPES IN THE POOL EQUIPMENT & WATER ROOMS WITH THE WORK OF ALL OTHER TRADES.
9. POOL ROOM HVAC DESIGN IS BASED ON LOCHINVAR MODEL ERN252A POOL HEATER. VERIFY POOL HEATER MANUFACTURER & MODEL WITH CONSTRUCTION MANAGER PRIOR TO PROCURING ANY EQUIPMENT OR MATERIALS. COORDINATE EXACT LOCATION OF POOL HEATER WITH POOL EQUIPMENT SUPPLIER / INSTALLER. PROVIDE CONDENSATE TRAP & EXTEND 3/4" PIPE FROM HEATER CONNECTION TO FLOOR DRAIN. INSTALL CONDENSATE TREATMENT KIT FURNISHED WITH HEATER INLINE WITH CONDENSATE DRAIN.
10. EXTEND 4" VENT PIPE FROM POOL HEATER CONNECTION THROUGH EXTERIOR WALL & TERMINATE WITH FLUE EXHAUST VENT CAP FURNISHED WITH HEATER. VENT PIPING SHALL BE SOLVENT WELDED SCHEDULE F441 CPVC.
11. INSTALL DIRECT AIR INTAKE KIT AND EXTEND 4" COMBUSTION AIR PIPE THROUGH EXTERIOR WALL. TERMINATE USING WALL VENT CAP FURNISHED WITH HEATER. PROVIDE MOTOR OPERATED AIR INLET DAMPER INLINE WITH THE DUCT TO PREVENT CIRCULATION OF COLD AIR THROUGH THE HEATER WHEN NOT IN USE. DAMPER SHALL BE INTERLOCKED WITH THE HEATER. COMBUSTION AIR PIPING SHALL BE SOLVENT WELDED SCHEDULE F441 CPVC.
12. ALL DUCTWORK, PLENUMS, AND DAMPERS IN THIS ROOM SHALL BE ALUMINUM CONSTRUCTION.

#	DATE	CHANGE DESCRIPTION
1	06/10/2025	ADDENDUM# 01
2	06/25/2025	ADDENDUM# 02

COLUMBUS METROPOLITAN HOUSING AUTHORITY
COMMUNITY. COMMITMENT. COLLABORATION.

THE FALLS ON REFUGEE ROAD
3355 REFUGEE ROAD, COLUMBUS, OH 43232
FOR
CMHA

Moody Nolan
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: 614-461-4664
CERT. NO: FIRM 00197475

DRAWING TITLE:
BUILDING D - LEVEL 01 & 02
HVAC PLANS

H107-D-24217.DWG
PRATER
Engineering Associates, Inc.
6130 Wilcox Road
Dublin, Ohio 43016
(614) 766 4896
FAX: (614) 766 2354

DESIGNED BY	DRAWN BY	CHECKED BY	JOB NUM.
B. MCFERRIN	B. MCFERRIN		24217

PROGRESS DRAWING NOT FOR CONSTRUCTION

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H107-D
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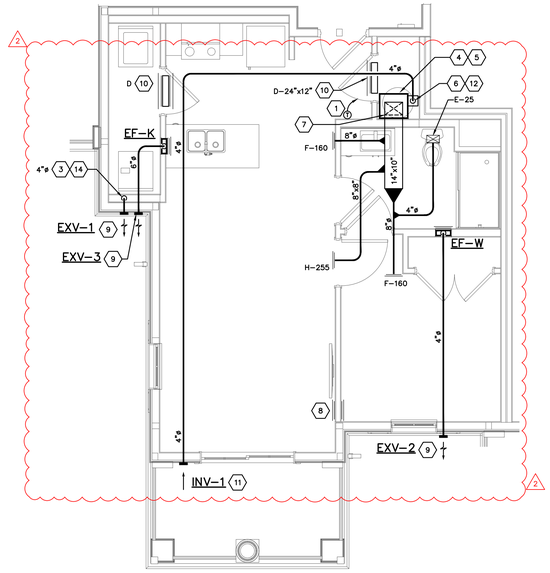
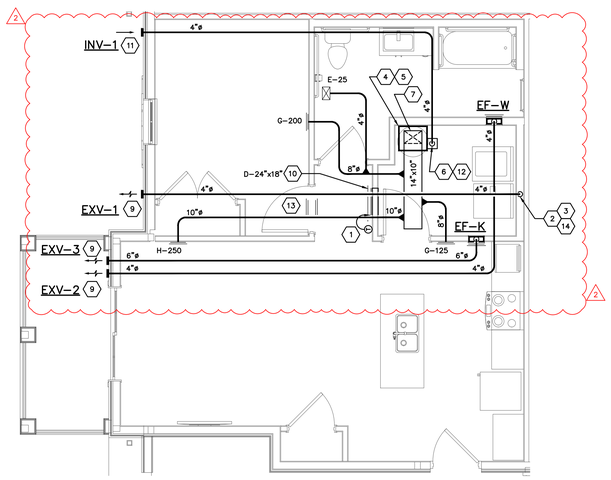
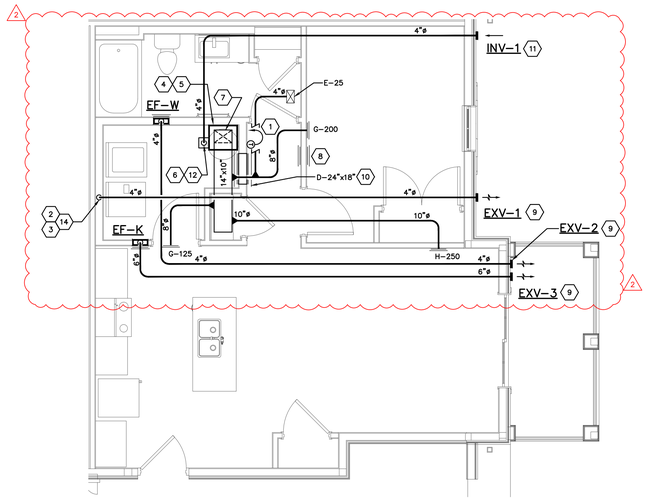


1 BEDROOM CLUBHOUSE
HVAC UNIT PLAN
SCALE: 1/4"=1'–0"



1 BEDROOM ANSI TYPE A
HVAC UNIT PLAN
SCALE: 1/4"=1'–0"



1 BEDROOM ANSI TYPE B
HVAC UNIT PLAN
SCALE: 1/4"=1'–0"

H–200–24217.DWG

PRATER
Engineering Associates, Inc.
6130 Wilcox Road
Dublin, Ohio 43016
(614) 766 4896
FAX: (614) 766 2354

DESIGNED BY	DRAWN BY	CHECKED BY	JOB NUM.
B. MCFERRIN	B. MCFERRIN		24217

CODED NOTES

1. ELECTRONIC PROGRAMMABLE THERMOSTAT FURNISHED AND WIRED BY HVAC CONTR. MOUNT THERMOSTAT AT 48" A.F.F. EXACT LOCATION SHALL BE COORDINATED WITH THE GENERAL CONTRACTOR PRIOR TO ROUGH-IN.
2. REFER TO DRYER EXHAUST ROUGH-IN DETAIL ON SHEET H301. FIRESTOP DUCT PENETRATION THROUGH THE CEILING MEMBRANE. INSTALL 4"ø FLEXIBLE EXHAUST DUCT BETWEEN END OF RIGID EXHAUST DUCT & DRYER EXHAUST CONNECTION. VERIFY EXACT DRYER LOCATION PRIOR TO INSTALLING DRYER EXHAUST DUCT.
3. DRYER DUCT EQUIVALENT LENGTH IS TO BE PERMANENTLY LABELED WITHIN SIX (6) FEET OF DRYER DUCT CONNECTION.
4. AIR HANDLING UNIT LOCATED ABOVE WATER HEATER. INSTALL AIR HANDLING UNIT, REFRIGERANT PIPING, DRAIN PIPING, CONDENSATE OVERFLOW SHUT-OFF SWITCH, ETC. PER THE DETAILS ON SHEET H301. REFER TO 1/8" SCALE HVAC DRAWINGS FOR AIR HANDLING UNIT DESIGNATION. MAINTAIN N.E.C. REQUIRED CLEARANCE FOR AIR HANDLING UNIT.
5. ROUTE 3/4" DRAIN LINE FROM AIR HANDLING UNIT DRAIN CONNECTION TO FLOOR DRAIN PROVIDED BY PLUMBING CONTRACTOR IN MECHANICAL CLOSET.
6. ELECTRICAL CONTRACTOR WILL PROVIDE RM4 SMOKE ALARM ACCESSORY RELAY IN MECHANICAL CLOSET NEAR AIR HANDLING UNIT. HVAC CONTRACTOR SHALL PROVIDE 24V WIRING BETWEEN RM4 RELAY & OUTSIDE AIR FAN. WIRE RELAY TO SHUT OFF OUTSIDE AIR FAN DURING SMOKE ALARM CONDITION.
7. EXTEND DUCT UP INTO SOFFIT CEILING SPACE.
8. PROVIDE TYPE "D" RETURN AIR GRILLES FOR RETURN AIR TRANSFER THROUGH THE WALL STUD SPACE. THE RETURN GRILLE ON THE LIVING ROOM SIDE SHALL BE 6" ABOVE THE FLOOR. THE RETURN GRILLE ON THE BEDROOM SIDE SHALL BE 6" BELOW THE CEILING.
9. INSULATE ALL BATHROOM EXHAUST & DRYER EXHAUST DUCTS LOCATED WITHIN 10 FT. OF AN EXTERIOR WALL OR ROOF PENETRATION.
10. SLEEVED TRANSFER DUCT WITH RETURN AIR GRILLE ON BOTH SIDES OF WALL. TOP OF GRILLE 2" BELOW CEILING.
11. INSULATE ENTIRE LENGTH OF OUTSIDE AIR DUCTWORK.
12. O.A. DUCT DOWN FROM TRUSS SPACE TO UNIT CONNECTION. PROVIDE CEILING RADIATION DAMPER AT CEILING MEMBRANE PENETRATION. PROVIDE MOTORIZED AND MANUAL DAMPERS IN VERTICAL DROP BELOW CEILING. REFER TO DETAIL ON SHEET H301.
13. PROVIDE TYPE "D" RETURN AIR GRILLES CENTERED ABOVE THE DOOR. THE RETURN GRILLE ON THE BEDROOM SIDE SHALL BE 2" ABOVE THE DOOR FRAME. THE RETURN GRILLE ON THE OPPOSITE SIDE SHALL BE 2" BELOW THE CEILING.
14. ESTIMATED DRYER EQUIVALENT DUCT LENGTH EXCEEDS 35 FEET. PROVIDE A PERMANENT LABEL/TAG WITH DRYER DUCT EQUIVALENT LENGTH LOCATED WITHIN 6 FEET OF THE EXHAUST DUCT CONNECT. SEE SHEET H300 FOR ESTIMATED EQUIVALENT DRYER DUCT LENGTH. CONFIRM EQUIVALENT DUCT LENGTH AFTER INSTALLING DRYER EXHAUST DUCT.

DUCT LOCATION / STRUCTURAL COORDINATION

A. ALL S.A. DISTRIBUTION DUCTWORK FOR APARTMENT UNITS SHALL BE LOCATED IN THE SOFFIT SPACE BENEATH THE FIRE RATED CEILING MEMBRANE.

B. REMOVED.

C. ALL FIELD CUT OPENINGS THROUGH RIM BOARDS SHALL BE MADE IN ACCORDANCE WITH THE STRUCTURE SUPPLIERS GUIDELINES & INSTRUCTIONS. CAREFUL COORDINATION WITH THE STRUCTURE SUPPLIER IS REQUIRED. REFER TO THE STRUCTURAL DRAWINGS FOR LOCATIONS OF RIM BOARDS.

D. COORDINATE FINAL LOCATIONS OF EXHAUST/INTAKE TERMINALS WITH ARCHITECTURAL ELEVATIONS.

COORDINATION NOTE:

THE HVAC CONTRACTOR SHALL CONFORM TO THE DUCT CONFIGURATION INDICATED ON THIS DRAWING AS CLOSELY AS POSSIBLE. NOTE THAT FIELD COORDINATION WITH OTHER TRADES WILL BE NECESSARY TO ACHIEVE THE CEILING HEIGHTS INDICATED ON THE ARCHITECTURAL DRAWINGS. COORDINATION WITH THE PLUMBING CONTRACTOR WILL BE ESPECIALLY IMPORTANT DUE TO VARIATIONS IN THE SANITARY PIPING CONFIGURATIONS. PROVIDE ADDITIONAL DUCT OFFSETS WHERE REQUIRED DUE TO FIELD CONDITIONS AND COORDINATION WITH OTHER TRADES.

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COLUMBUS METROPOLITAN HOUSING AUTHORITY
COMMUNITY. CONVENIENCE. COLLABORATION.

THE FALLS ON REFUGEE ROAD
3355 REFUGEE ROAD, COLUMBUS, OH 43232
FOR
CMHA

Moody Nolan
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: 614-461-4664
CERT. NO: FIRM 00197475

DRAWING TITLE:
ENLARGED UNIT HVAC PLANS

PROGRESS DRAWING NOT FOR CONSTRUCTION

05/01/2025

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H-200

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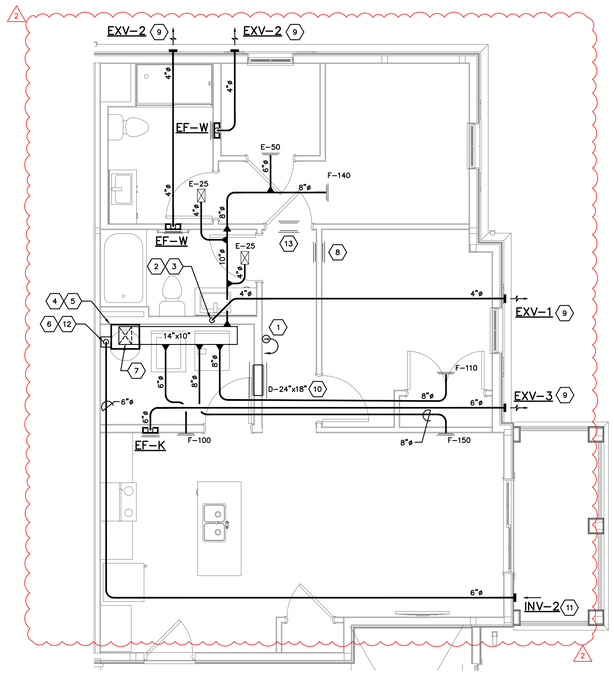
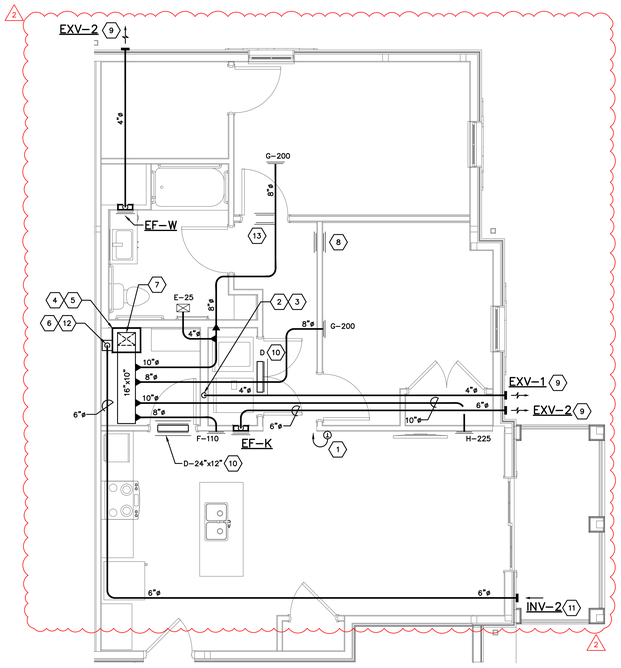


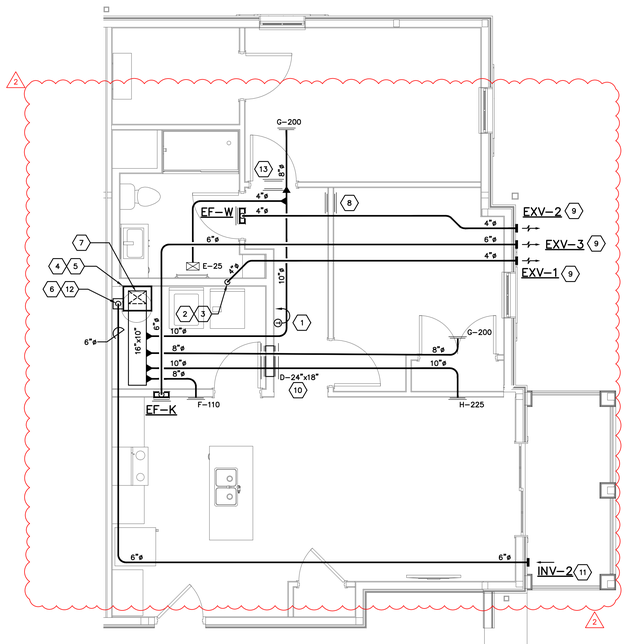
2 BEDROOM 2 BA HVAC UNIT PLAN

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



2 BEDROOM ANSI TYPE A HVAC UNIT PLAN

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



2 BEDROOM ANSI TYPE B HVAC UNIT PLAN

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

CODED NOTES

1. ELECTRONIC PROGRAMMABLE THERMOSTAT FURNISHED AND WIRED BY HVAC CONTR. MOUNT THERMOSTAT AT 48" A.F.F. EXACT LOCATION SHALL BE COORDINATED WITH THE GENERAL CONTRACTOR PRIOR TO ROUGH-IN.
2. REFER TO DRYER EXHAUST ROUGH-IN DETAIL ON SHEET H301. FIRESTOP DUCT PENETRATION THROUGH THE CEILING MEMBRANE. INSTALL 4"ø FLEXIBLE EXHAUST DUCT BETWEEN END OF RIGID EXHAUST DUCT & DRYER EXHAUST CONNECTION. VERIFY EXACT DRYER LOCATION PRIOR TO INSTALLING DRYER EXHAUST DUCT.
3. DRYER DUCT EQUIVALENT LENGTH IS TO BE PERMANENTLY LABELED WITHIN SIX (6) FEET OF DRYER DUCT CONNECTION.
4. AIR HANDLING UNIT LOCATED ABOVE WATER HEATER. INSTALL AIR HANDLING UNIT, REFRIGERANT PIPING, DRAIN PIPING, CONDENSATE OVERFLOW SHUT-OFF SWITCH, ETC. PER THE DETAILS ON SHEET H301. REFER TO 1/8" SCALE HVAC DRAWINGS FOR AIR HANDLING UNIT DESIGNATION. MAINTAIN N.E.C. REQUIRED CLEARANCE FOR AIR HANDLING UNIT.
5. ROUTE 3/4" DRAIN LINE FROM AIR HANDLING UNIT DRAIN CONNECTION TO FLOOR DRAIN PROVIDED BY PLUMBING CONTRACTOR IN MECHANICAL CLOSET.
6. ELECTRICAL CONTRACTOR WILL PROVIDE RM4 SMOKE ALARM ACCESSORY RELAY IN MECHANICAL CLOSET NEAR AIR HANDLING UNIT. HVAC CONTRACTOR SHALL PROVIDE 24V WIRING BETWEEN RM4 RELAY & OUTSIDE AIR FAN. WIRE RELAY TO SHUT OFF OUTSIDE AIR FAN DURING SMOKE ALARM CONDITION.
7. EXTEND DUCT UP INTO SOFFIT CEILING SPACE.
8. PROVIDE TYPE "D" RETURN AIR GRILLES FOR RETURN AIR TRANSFER THROUGH THE WALL STUD SPACE. THE RETURN GRILLE ON THE LIVING ROOM SIDE SHALL BE 6" ABOVE THE FLOOR. THE RETURN GRILLE ON THE BEDROOM SIDE SHALL BE 6" BELOW THE CEILING.
9. INSULATE ALL BATHROOM EXHAUST & DRYER EXHAUST DUCTS LOCATED WITHIN 10 FT. OF AN EXTERIOR WALL OR ROOF PENETRATION.
10. SLEEVED TRANSFER DUCT WITH RETURN AIR GRILLE ON BOTH SIDES OF WALL. TOP OF GRILLE 2" BELOW CEILING.
11. INSULATE ENTIRE LENGTH OF OUTSIDE AIR DUCTWORK.
12. O.A. DUCT DOWN FROM TRUSS SPACE TO UNIT CONNECTION. PROVIDE CEILING RADIATION DAMPER AT CEILING MEMBRANE PENETRATION. PROVIDE MOTORIZED AND MANUAL DAMPERS IN VERTICAL DROP BELOW CEILING. REFER TO DETAIL ON SHEET H301.
13. PROVIDE TYPE "D" RETURN AIR GRILLES CENTERED ABOVE THE DOOR. THE RETURN GRILLE ON THE BEDROOM SIDE SHALL BE 2" ABOVE THE DOOR FRAME. THE RETURN GRILLE ON THE OPPOSITE SIDE SHALL BE 2" BELOW THE CEILING.
14. REMOVED.
15. REMOVED.

DUCT LOCATION / STRUCTURAL COORDINATION

A. ALL S.A. DISTRIBUTION DUCTWORK FOR APARTMENT UNITS SHALL BE LOCATED IN THE SOFFIT SPACE BENEATH THE FIRE RATED CEILING MEMBRANE.

B. REMOVED.

C. ALL FIELD CUT OPENINGS THROUGH RIM BOARDS SHALL BE MADE IN ACCORDANCE WITH THE STRUCTURE SUPPLIERS GUIDELINES & INSTRUCTIONS. CAREFUL COORDINATION WITH THE STRUCTURE SUPPLIER IS REQUIRED. REFER TO THE STRUCTURAL DRAWINGS FOR LOCATIONS OF RIM BOARDS.

D. COORDINATE FINAL LOCATIONS OF EXHAUST/INTAKE TERMINALS WITH ARCHITECTURAL ELEVATIONS.

COORDINATION NOTE:

THE HVAC CONTRACTOR SHALL CONFORM TO THE DUCT CONFIGURATION INDICATED ON THIS DRAWING AS CLOSELY AS POSSIBLE. NOTE THAT FIELD COORDINATION WITH OTHER TRADES WILL BE NECESSARY TO ACHIEVE THE CEILING HEIGHTS INDICATED ON THE ARCHITECTURAL DRAWINGS. COORDINATION WITH THE PLUMBING CONTRACTOR WILL BE ESPECIALLY IMPORTANT DUE TO VARIATIONS IN THE SANITARY PIPING CONFIGURATIONS. PROVIDE ADDITIONAL DUCT OFFSETS WHERE REQUIRED DUE TO FIELD CONDITIONS AND COORDINATION WITH OTHER TRADES.

#	DATE	CHANGE DESCRIPTION
1	06/10/2025	ADDENDUM# 01
2	06/25/2025	ADDENDUM# 02

COLUMBUS METROPOLITAN HOUSING AUTHORITY
COMMUNITY. COMMITMENT. COLLABORATION.

THE FALLS ON REFUGEE ROAD
3355 REFUGEE ROAD. COLUMBUS, OH 43232
FOR
CMHA

Moody Nolan
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: 614-461-4664
CERT. NO: FIRM 00197475

DRAWING TITLE:
ENLARGED UNIT HVAC PLANS

H-201-24217.DWG
PRATER
Engineering Associates, Inc.
6130 Wilcox Road
Dublin, Ohio 43016
(614) 766 4896
FAX: (614) 766 2354

DESIGNED BY	DRAWN BY	CHECKED BY	JOB NUM.
B. MCFERRIN	B. MCFERRIN		24217

PROGRESS DRAWING NOT FOR CONSTRUCTION

05/01/2025

23446

H-201

CD PROGRESS SET

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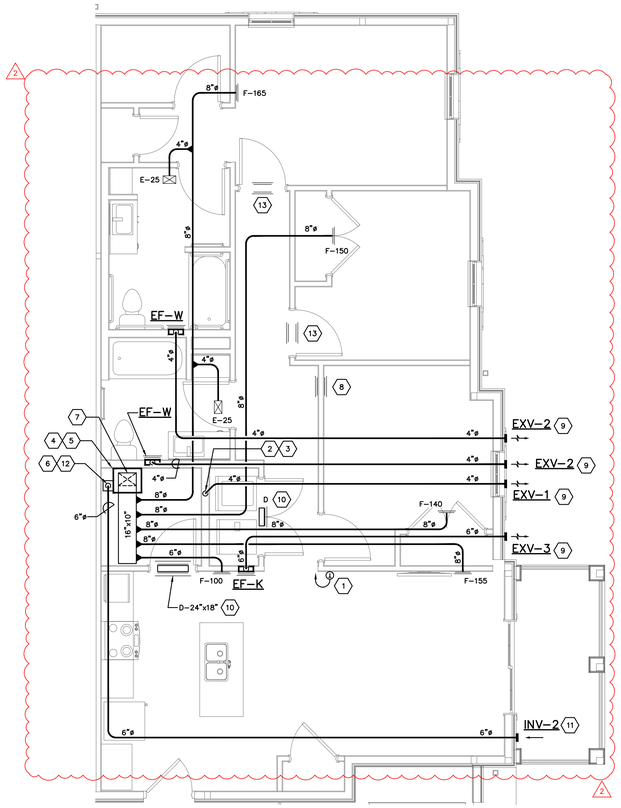
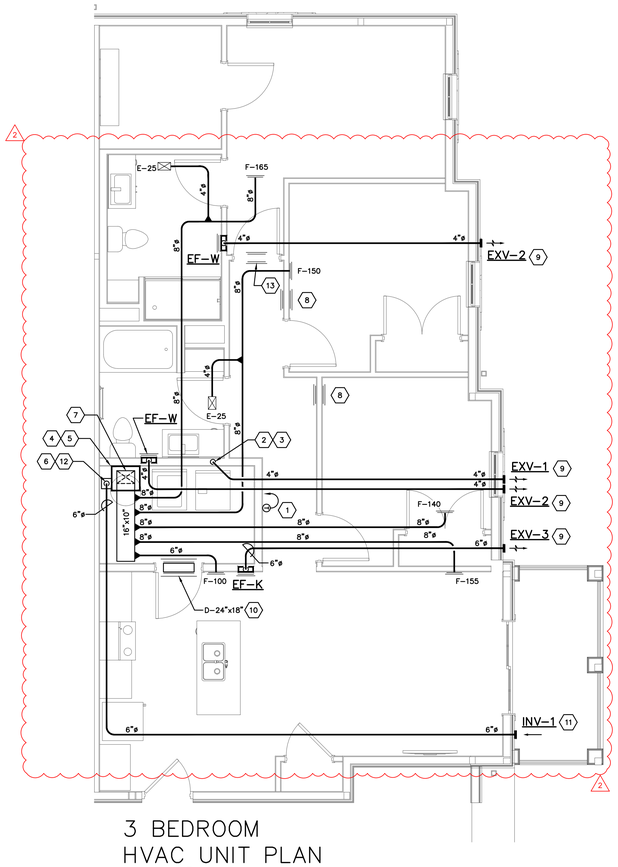
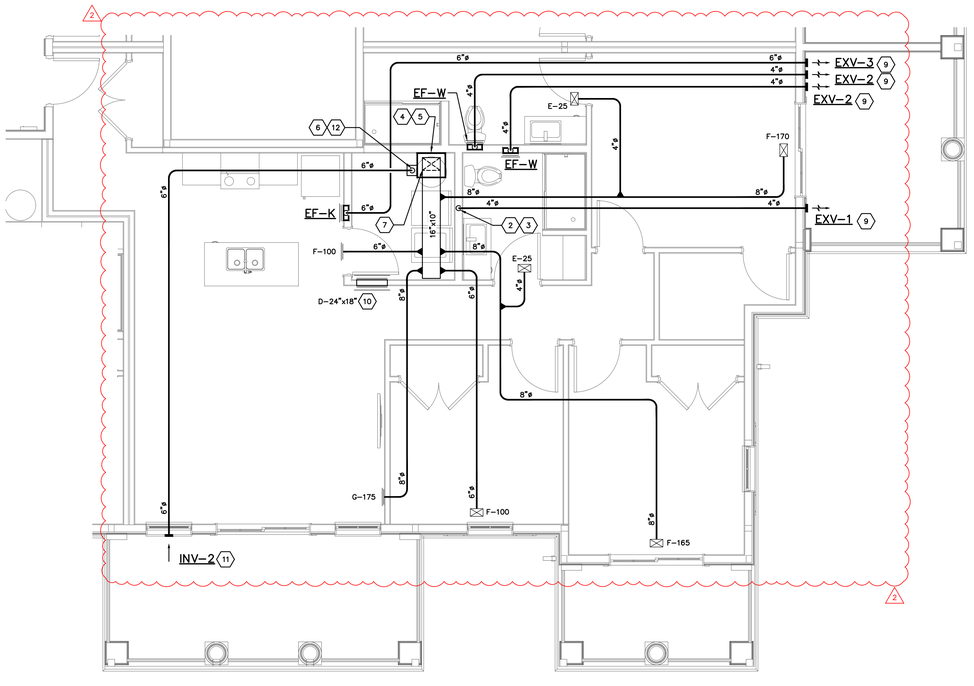


3 BEDROOM ANSI TYPE A
HVAC UNIT PLAN
SCALE: 1/4"=1'-0"



3 BEDROOM
HVAC UNIT PLAN
SCALE: 1/4"=1'-0"



3 BEDROOM CLUBHOUSE
HVAC PLAN
SCALE: 1/4"=1'-0"

CODED NOTES ⬡

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2. REFER TO DRYER EXHAUST ROUGH-IN DETAIL ON SHEET H301. FIRESTOP DUCT PENETRATION THROUGH THE CEILING MEMBRANE. INSTALL 4"ø FLEXIBLE EXHAUST DUCT BETWEEN END OF RIGID EXHAUST DUCT & DRYER EXHAUST CONNECTION. VERIFY EXACT DRYER LOCATION PRIOR TO INSTALLING DRYER EXHAUST DUCT.
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9. INSULATE ALL BATHROOM EXHAUST & DRYER EXHAUST DUCTS LOCATED WITHIN 10 FT. OF AN EXTERIOR WALL OR ROOF PENETRATION.
10. SLEEVED TRANSFER DUCT WITH RETURN AIR GRILLE ON BOTH SIDES OF WALL. TOP OF GRILLE 2" BELOW CEILING.
11. INSULATE ENTIRE LENGTH OF OUTSIDE AIR DUCTWORK.
12. O.A. DUCT DOWN FROM TRUSS SPACE TO UNIT CONNECTION. PROVIDE CEILING RADIATION DAMPER AT CEILING MEMBRANE PENETRATION. PROVIDE MOTORIZED AND MANUAL DAMPERS IN VERTICAL DROP BELOW CEILING. REFER TO DETAIL ON SHEET H301.
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15. REMOVED.

DUCT LOCATION / STRUCTURAL COORDINATION

A. ALL S.A. DISTRIBUTION DUCTWORK FOR APARTMENT UNITS SHALL BE LOCATED IN THE SOFFIT SPACE BENEATH THE FIRE RATED CEILING MEMBRANE.

B. REMOVED.

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D. COORDINATE FINAL LOCATIONS OF EXHAUST/INTAKE TERMINALS WITH ARCHITECTURAL ELEVATIONS.

COORDINATION NOTE:

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DESIGNED BY	DRAWN BY	CHECKED BY	JOB NUM.
B. MCFERRIN	B. MCFERRIN		24217

PROGRESS DRAWING NOT FOR CONSTRUCTION

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FAN SCHEDULE

MANUFACTURER'S MODEL NUMBER BASED ON GREENHECK UNLESS OTHERWISE NOTED.
KEY: CENT.–CENTRIFUGAL; PROP.–PROPELLER; F.C.–FORWARD CURVED; B.I.–BACKWARD INCLINE; A.F.–AIR FOIL; A.T.L.–ACROSS THE LINE; VFD–VARIABLE FREQUENCY DRIVE

FAN NO.	LOCATION	FUNCTION	MFGR. MODEL NUMBER	FAN TYPE	WHEEL TYPE & SIZE	CFM	EXT. S.P. "W.G.	R.P.M.	TIP SPEED F.P.M.	OUTLET VELOCITY F.P.M	MAX. SOUND RATING	MOTOR H.P.	BHP REQ'D	VOLT / PHASE	TYPE MOTOR STARTING	DAMPER DRIVE: GRAVITY	DAMPER DRIVE: MOTOR OPERATED	DAMPER DRIVE: ADJUST. DAMPER	DAMPER DRIVE: DIRECT	REMARKS
EF–W	WALL MOUNTED	APARTMENT BATHROOMS	GREENHECK SP–LP0511–1	LOW PROFILE WALL MTD.	F.C.	50	0.4"	685	1009	555	2.3 SONES	N/A	0.01	115 / 1	A.T.L.				●	4 5 2
EF–K	WALL MOUNTED	APARTMENT KITCHENS	GREENHECK SP–LP0511–1	LOW PROFILE WALL MTD.	B.I. 7.75"	100	0.35"	1040	1654	93	3.5 SONES	1/15	0.02	115 / 1	A.T.L.	●			●	4
OAF–1	FITNESS CENTER	FITNESS CENTER O.A.	FANTECH FG 8XL	INLINE SUPPLY	F.C.	330	0.5"	3031	---	---	---	N.A.	147 WATTS	120 / 1	A.T.L.				●	1 6 7
OAF–2	CLUB ROOM	CLUB ROOM O.A.	FANTECH FG 8XL	INLINE SUPPLY	F.C.	180	0.5"	3031	---	---	---	N.A.	147 WATTS	120 / 1	A.T.L.				●	1 6 7
OAF–3	LEASING	LEASING O.A.	FANTECH FG 8XL	INLINE SUPPLY	F.C.	130	0.5"	3031	---	---	---	N.A.	147 WATTS	120 / 1	A.T.L.				●	1 6 7
OAF–4	APARTMENT UNITS	APARTMENT O.A.	FANTECH FG 6	INLINE SUPPLY	F.C.	–	0.5"	2886	---	---	---	N.A.	72 WATTS	120 / 1	A.T.L.				●	1 6 7 10
VF–1	CEILING SPACE	POOL ROOM VENT.	GREENHECK SQ–80–VG	INLINE EXHAUST	F.C.	300	0.3"	1589	4524	300	7.6 SONES	1/6	0.06	115 / 1	A.T.L.	●			●	2 3 8 9
EF–1	CLUBHOUSE	RESTROOM EXHAUST	GREENHECK SP–LP0511–1	LOW PROFILE WALL MTD.	F.C.	50	0.4"	685	1009	555	2.3 SONES	N.A.	0.01	115 / 1	A.T.L.	●			●	4 5

1. SUPPORT FAN FROM STRUCTURE ABOVE OR ADJACENT WALL.
2. SUPPORT FAN FROM OVERHEAD STRUCTURE W/ RUBBER IN SHEAR VIBRATION ISOLATORS.
3. FAN TO BE FURNISHED W/ FACTORY MOUNTED VARIABLE SPEED SWITCH FOR BALANCING.
4. FAN SHALL BE CONTROLLED BY LIGHT SWITCH.
5. INTEGRAL GRILLE & METAL DAMPER / DUCT CONNECTOR.
6. FURNISH W/ WC 15 SPEED CONTROL FOR BALANCING. MOUNT SPEED CONTROL TO WALL ADJACENT TO FAN.
7. HVAC CONTR. SHALL INTERLOCK O.A. FAN W/ AIR HANDLING UNIT SUPPLY FAN. O.A. FAN SHALL OPERATE ONLY WHEN AHU FAN IS RUNNING.
8. CONTROLLED BY WALL MOUNTED LINE VOLTAGE THERMOSTAT.
9. ALUMINUM WHEEL MATERIAL, INSULATED HOUSING.
10. SEE DWELLING UNITS O.A. FOR FAN CFM.

SPLIT SYSTEM HEAT PUMP UNIT SCHEDULE

ITEM	AH–1 / HP–1	AH–2 / HP–2	AH–3 / HP–3	AH–4 / HP–4	AH–5 / HP–5	AH–6 / HP–6	AH–7 / HP–7
AIR HANDLER MANUFACTURER	BRYANT	BRYANT	BRYANT	BRYANT	REMOVED	BRYANT	BRYANT
AIR HANDLER MODEL NUMBER	FMA5X1800AL	FMA5X1800AL	FMA5X2400AL	FMA5X2400AL		FJ5ANXB30L00	FJ5ANXB36L00
UNIT CONFIGURATION	VERT. UPFLOW	VERT. UPFLOW	VERT. UPFLOW	VERT. UPFLOW		VERT. UPFLOW	VERT. UPFLOW
COIL FACE AREA (SQ. FT.)	2.2	2.2	2.2	2.2		3.96	3.96
SUPPLY AIR CFM	600	600	760	760		1000	1200
EXTERNAL STATIC PRESSURE	0.5"	0.5"	0.5"	0.5"		0.5"	0.5"
FAN MOTOR HP	1/5	1/5	1/3	1/3		1/2	1/2
FAN FLA	1.9	1.9	1.9	1.9		4.2	4.2
ELECTRIC HEATER CAPACITY (KW) @ 240V	5.0	7.5	5.0	7.5		10.0	15.0
MIN. CIRCUIT AMPS (MCA)	27.4	41.5	27.4	41.5		56.9	81.5
MAX. OVERCURRENT PROTECTION (MOCP)	30	45	30	45		60	90
VOLTS/PHASE	240/1ø	240/1ø	240/1ø	240/1ø		240/1ø	240/1ø
HEAT PUMP UNIT MANUFACTURER	BRYANT	BRYANT	BRYANT	BRYANT		BRYANT	BRYANT
MODEL NUMBER	37MUHAQ18AA3	37MUHAQ18AA3	37MUHAQ24AA3	37MUHAQ24AA3		37MUHAQ30AA3	37MUHAQ36AA3
NOMINAL TONNAGE	1.5	1.5	2.0	2.0		2.5	3.0
TOTAL COOLING CAP. MBTU @ AHRI	17.7	17.7	22.6	22.6		29.2	35.2
SENSIBLE COOLING MBTU @ AHRI	13.3	13.3	17.0	17.0		21.9	26.4
SYSTEM EER2 / SEER2 @ AHRI	10.5 / 16.5	10.5 / 16.5	11.0 / 17.0	11.0 / 17.0		9.8 / 15.5	9.5 / 15.5
HEATING CAP. MBTU @ 47°F	19.8	19.8	21.4	21.4		36.8	38.0
COP @ 5°F	1.92	1.92	2.10	2.10		1.75	2.2
HSPF2	8.5	8.5	9.0	9.0		8.5	8.5
FAN FLA	0.9	0.9	1.0	1.0		1.5	1.5
COMPRESSOR LRA	–	–	–	–		–	–
COMPRESSOR RLA (HTG. / CLG.)	7.6 / 6.6	7.6 / 6.6	9.5 / 9.0	9.5 / 9.0		12.4 / 11.4	13.1 / 13.4
MINIMUM CIRCUIT AMPACITY	16	16	19	19		29.5	29
MAXIMUM FUSE SIZE	20	20	20	20		30	30
VOLTS/PHASE	240/1ø	240/1ø	240/1ø	240/1ø		240/1ø	240/1ø

NOTES:

1. HEATING & COOLING CAPACITIES BASED ON AHRI DATA.
2. ALL INDOOR FAN COIL UNITS SHALL HAVE A SINGLE POINT WIRING CONNECTION, UNLESS NOTED OTHERWISE.
3. PROVIDE ALL OUTDOOR HEAT PUMP UNITS WITH THE FOLLOWING ACCESSORIES FOR LONG LINE LENGTH APPLICATIONS: ACCUMULATOR, COMPRESSOR START ASSIST CAPACITOR AND RELAY, HARD SHUTOFF TXV, CRANKCASE HEATER, LIQUID LINE SOLENOID VALVE AND ALL OTHER ACCESSORIES NECESSARY FOR LONG LINE LENGTH APPLICATIONS.
4. ALL INDOOR UNITS SHALL BE FURNISHED WITH AN ECM TYPE FAN MOTOR.
5. APARTMENTS – FURNISH EACH SPLIT SYSTEM WITH A DIGITAL ELECTRONIC, 7 DAY PROGRAMMABLE, AUTO CHANGEOVER, HARD WIRED THERMOSTAT W/ BUILT IN TEMPERATURE SENSOR.
6. EACH FAN COIL UNIT SHALL BE FURNISHED W/ A FILTER RACK CAPABLE OF HOUSING 1" THICK FILTERS.
7. ALL APARTMENT FAN COIL UNITS SHALL HAVE WALL MOUNT TYPE FURNISHED W/ WALL MOUNT HARDWARE & FRONT RETURN AIR GRILLE PANEL.
9. OUTDOOR UNITS SHALL BE INSTALLED AS DESCRIBED IN SPECIFICATION SECTION 23 62 14.
8. TOTAL COOLING CAPACITY SHALL NOT BE DERATED BY MORE THAN 5% DUE TO A 40 FT. ELEVATION DIFFERENCE BETWEEN INDOOR & OUTDOOR UNITS & A MAX. EQUIVALENT LENGTH OF 150 FT.
10. VERTICAL INDOOR UNITS SHALL BE INSTALLED PER THE SPLIT SYSTEM AIR HANDLING UNIT DETAIL ON SHEET H301.
11. REFER TO REFRIGERANT PIPING DETAILS ON SHEET H301.
14. COMMON AREAS – SPLIT SYSTEMS SERVING CORRIDORS, AMENITY AREAS, LOBBIES, ADMINISTRATIVE SPACES, ETC. SHALL BE CONTROLLED BY AN ECOBEE SMART THERMOSTAT FURNISHED & INSTALLED BY THE HVAC CONTRACTOR.

HVAC NOTES

1. DUCT LAYOUTS ARE BASED ON COORDINATION WITH PLUMBING, FIRE PROTECTION, ELECTRICAL, STRUCTURAL AND OTHER TRADES TO ACHIEVE THE CEILING HEIGHTS INDICATED ON THE ARCHITECTURAL DRAWINGS. CAREFUL COORDINATION BETWEEN ALL TRADES WILL BE REQUIRED ON THE JOB SITE TO ATTAIN THESE CEILING HEIGHTS. PROVIDE ADDITIONAL OFFSETS WHERE REQUIRED DUE TO FIELD CONDITIONS.
2. DUCT LAYOUT IS ONLY SCHEMATIC, EXACT LOCATION OF PIPES AND DUCTS TO BE COORD. ON JOB W/BLDG. STRUCTURE, AND WORK OF OTHER CONTRS.
3. INSTALL BALANCING DAMPERS AS SHOWN AND AS REQ'D FOR PROPER BALANCING OF AIR HANDLING SYSTEMS. REFER TO THE SPECIFICATIONS FOR AIR BALANCING REQUIREMENTS.
4. THERMOSTATS SHALL BE MOUNTED AT 48" A.F.F. COORDINATE EXACT LOCATIONS WITH THE CONSTRUCTION MANAGER.
5. INSTALL ALL EQUIPMENT W/ CODE REQUIRED CLEARANCE IN FRONT OF ALL ELECTRICAL AND CONTROL PANELS.
6. ALL DUCTS AND PIPES AB. CLG. UNLESS OTHERWISE NOTED.
7. NO DUCTWORK, PIPING OR EQUIPMENT MAY BE LOCATED AB. ELEC. OR TELE. EQUIP.
8. MOUNT CABINET UNIT HEATERS W/ BTM. 8" AB. FLR., UNLESS OTHERWISE NOTED.
9. ALL DUCTS IN APARTMENT UNITS SHALL BE INSTALLED WITH FLAT SLIP TYPE CONNECTORS TO MINIMIZE DUCT HEIGHTS.
10. NOTIFY GEN. CONTR. OF SIZE AND LOCATION OF ALL RECESSES AND OPNGS. REQ'D FOR HVAC WORK.
11. REMOVED.
12. RUN ALL DRAIN LINES INDIRECT TO NEAREST FLOOR DRAIN OR HUB DRAIN.
13. THE HVAC CONTR. IS RESPONSIBLE FOR FIRESTOPPING AT ALL HVAC RELATED PENETRATIONS OF FIRE AND SMOKE RATED STRUCTURES, FLOORS AND PARTITIONS. REFER TO ARCHITECTURAL FLR. PLANS FOR LOCATIONS OF ALL RATED STRUCTURES. REFER TO THIS SHEET FOR FIRESTOPPING DETAILS.
14. REMOVED.
15. REMOVED.
16. REMOVED.
17. FLEXIBLE DUCTWORK MAY BE USED AS TERMINAL DUCT ONLY, WITH LENGTHS NOT TO EXCEED 14 FT. & NO MORE THAN ONE (1) 90° ELBOW REFER TO SPECIFICATION SECTION 23 31 13.13.
18. ALL DUCT PENETRATIONS THRU STRUCTURAL BEARING WALLS SHALL BE RIGID DUCT. FLEXIBLE DUCTWORK SHALL NOT PENETRATE STRUCTURAL BEARING WALLS. FIRESTOP EACH DUCT PENETRATION. REFER TO THE FIRESTOPPING DETAILS.

AIR TERMINAL SCHEDULE

ROUND AND SQUARE DEVICES: TYPE OF OUTLET → A – B – 300 → AIR QUANTITY IN C.F.M. (DIFF. & REG. ONLY)
SIZE OF OUTLET (NECK SIZE DIAMETER FOR DIFFUSERS)

TYPE OF OUTLET → C4 – 300 → AIR QUANTITY IN C.F.M. (DIFF. & REG. ONLY)

LINEAR DIFFUSERS: NUMBER OF SLOTS

TYPE	DESCRIPTION
A	LINEAR SUPPLY AIR DIFFUSER, SFC. MTD., PRICE MODEL SDS75, 3/4" SLOTS, 4'–0" LONG UNLESS OTHERWISE NOTED. FURNISH W/ MODEL SDBI INSULATED PLENUM W/ INLET CONNECTION SIZE EQUAL TO BRANCH DUCT SIZE.
B	RETURN/EXHAUST AIR GRILLE, SURFACE MOUNTED, PRICE MODEL 530: 24"x12" UNLESS OTHERWISE NOTED. FURNISH WITH BLADES PARALLEL TO LONG DIMENSION.
C	REMOVED.
D	RETURN/TRANSFER AIR GRILLE, SURFACE MOUNTED, AIRMATE SERIES 170, 14"x8" UNLESS OTHERWISE NOTED.
E	SUPPLY AIR REGISTER, SURFACE MOUNTED, AIRMATE SERIES 160; 8"x4" UNLESS OTHERWISE NOTED. FURNISH W/ PARALLEL BLADE DAMPER.
F	SUPPLY AIR REGISTER, SURFACE MOUNTED, AIRMATE SERIES 160; 10"x6" UNLESS OTHERWISE NOTED. FURNISH W/ PARALLEL BLADE DAMPER.
G	SUPPLY AIR REGISTER, SURFACE MOUNTED, AIRMATE SERIES 160; 12"x6" UNLESS OTHERWISE NOTED. FURNISH W/ PARALLEL BLADE DAMPER.
H	SUPPLY AIR REGISTER, SURFACE MOUNTED, AIRMATE SERIES 160; 14"x6" UNLESS OTHERWISE NOTED. FURNISH W/ PARALLEL BLADE DAMPER.
J	SUPPLY AIR REGISTER, SURFACE MOUNTED, AIRMATE SERIES 160; 14"x8" UNLESS OTHERWISE NOTED. FURNISH W/ PARALLEL BLADE DAMPER.

NOTES:

1. PROVIDE A SHEET METAL PLENUM ABOVE/BEHIND EACH REGISTER AND GRILLE FOR MAKING A CONNECTION TO THE BRANCH DUCT.
2. COORDINATE THE GRID FACE DIMENSION OF THE CEILING SUSPENSION SYSTEMS WITH THE GENERAL CONTRACTOR. PROVIDE NARROW TEE TYPE DEVICES WHERE REQUIRED.

MECHANICAL LEGEND

SYMBOL	DESCRIPTION
—A—	AIR LINE
—COMB—	COMBINED SEWER
—D—	DRAIN LINE
—F—	FIRE PROTECTION LINE
—HG—	HOT GAS LINE
—LIQ—	LIQUID LINE
—SAN—	SANITARY LINE
—STM—	STORM LINE
—SUCT—	SUCTION LINE
—TW—	DOMESTIC TEMPERED WATER
—V—	VENT LINE
—W—	WATER SERVICE LINE
— 180° —	DOMESTIC 180°F WATER
	RETURN RISER
	SUPPLY RISER
	PENDANT TYPE SPRINKLER HEAD
	UPRIGHT TYPE SPRINKLER HEAD
	P–TRAP (PLAN VIEW)
	AIR VENT – PLAN VIEW
	CAPPED LINE
	HOSE BIBB
	EXISTING WORK TO REMAIN
	EXISTING WORK TO BE REMOVED
	HEATING WATER RETURN
	HEATING WATER SUPPLY
	COLD AIR HIGH PRESSURE DUCT
	HOT AIR HIGH PRESSURE DUCT
	RISE OR DROP
	PIPE BRANCH TOP CONNECTION
	PIPE BRANCH BOTTOM CONNECTION
	PIPE ANCHOR
	PIPE FLANGES
	PIPE UNION
	PIPE GUIDE
	FLEXIBLE PIPE CONNECTION
	FLEXIBLE DUCT
	CONCENTRIC REDUCER
	ECCENTRIC REDUCER
	TEE WITH NIPPLE & CAP
	PLUGGED TEE

SYMBOL	DESCRIPTION
	Y–TYPE STRAINER
	PETE'S PLUG
	COMB. BALANCE & STOP VALVE
	BALL VALVE
	BALL VALVE W/MEMORY STOP
	GATE VALVE (SCREWED BODY)
	DRAIN VALVE WITH HOSE END
	GLOBE VALVE
	GATE VALVE (FLANGED BODY)
	AUTO CONTROL VALVE
	SOLENOID VALVE
	CHECK VALVE
	GAS COCK OR BALANCE VALVE
	METERED BALANCE VALVE
	BUTTERFLY VALVE
	BUTTERFLY VALVE W/MEMORY STOP
	FLOOR OR AREA DRAIN
	THERMOSTAT
	TEMPERATURE SENSOR
F	FLOW SWITCH
	THERMOMETER
	CURB BOX & VALVE
	CONNECT TO EXISTING
	THRU FLOOR AS SHOWN
	JANITOR OR SHOWER TRIM
	SUPPLY DUCT UP
	SUPPLY DUCT DOWN
	R.A., O.A., OR EXH. DUCT UP
	R.A., O.A., OR EXH. DUCT DOWN
	ROUND DUCT
	FLAT OVAL DUCT
	SPIN–IN FITTING WITH BALANCE DAMPER
	ELBOW WITH TURNING VANES
	FIRE DAMPER
	MAN. DAMPER
	ACCESS DOOR
	45° BOOT BRANCH TAKEOFF

MECHANICAL ABBREVIATIONS

AB.	ABOVE	H.B.	HOSE BIBB
A.D.	ACCESS DOOR	HTR.	HEATER
A.F.F.	ABOVE FINISHED FLOOR	HTG.	HEATING
APPROX.	APPROXIMATELY	H & A/C	HEATING & AIR CONDITIONING
AUTO. CONT.	AUTOMATIC CONTROL	INV. ELEV.	INVERT ELEVATION
BTM.	BOTTOM	J. R.	JANITOR RECEPTOR
BLDG.	BUILDING	LAV.	LAVATORY
CAB.	CABINET	MAN. DPR.	MANUAL DAMPER
CAP.	CAPACITY	M. H.	MANHOLE
C.B.	CATCH BASIN	MFR.	MANUFACTURER
C.I.	CAST IRON	MECH.	MECHANICAL
CLG.	CEILING	M. A.	MIXED AIR
CONC.	CONCRETE	MTD.	MOUNTED
C.O.	CLEAN OUT	NOM.	NOMINAL
CONN.	CONNECT	OPNG.	OPENING
CONTR.	CONTRACTOR	O.A.	OUTSIDE AIR
CONT.	CONTINUATION	P.C.	PLUMBING CONTRACTOR
COORD.	COORDINATE	PLBG.	PLUMBING
DTL.	DETAIL	PRESS.	PRESSURE
DIA.	DIAMETER	PROP.	PROPELLER
DIFF.	DIFFUSER	REG.	REGISTER
DISCH.	DISCHARGE	RHC.	REHEAT COIL
DN.	DOWN	REQD.	REQUIRED
D.S.	DOWNSPOUT	REL.	RELIEF
ELEC.	ELECTRICAL	R.A.	RETURN AIR
E.W.C.	ELECTRIC WATER COOLER	R.D.	ROOF DRAIN
ELEM.	ELEMENT	RM.	ROOM
ELEV.	ELEVATION	SCHED.	SCHEDULE
EXH	EXHAUST	S.D.	SHOWER DRAIN
EXIST.	EXISTING	SHT.MTL.	SHEET METAL
FT. HD.	FEET OF HEAD	S.I.	SURFACE INLET
FIN. RAD.	FINNED RADIATION	S.S.	SERVICE SINK
F. DPR.	FIRE DAMPER	STAT.	THERMOSTAT
F. E.	FIRE EXTINGUISHER	S.A.	SUPPLY AIR
FLEX.	FLEXIBLE	TEMP.	TEMPERATURE
FLR.	FLOOR	TYP.	TYPICAL
F.D.	FIRE DAMPER	T.C.C.	TEMP. CONTROL CONTRACTOR
FURN.	FURNISH	VIB. ISOL.	VIBRATION ISOLATOR
GA.	GAGE	W.	WASTE
GEN.	GENERAL	W/	WITH
GR.	GRILLE		

CABINET UNIT HEATER SCHEDULE

MANUFACTURER'S MODEL NUMBER BASED ON QMARK UNLESS OTHERWISE NOTED.

UNIT NO.	LOCATION	FRAME TYPE	MFGR. MODEL NUMBER	KW	MBH	AMPS	VOLT / PHASE	REMARKS
CUH–1	CLUBHOUSE LOBBY	SURFACE MOUNT	AWH4506F	4.8	16.4	23.1	240 / 1	1 2

1. FURNISH WITH INTEGRAL THERMOSTAT.
2. FURNISH WITH CIRCUIT BREAKER.

UNIT HEATER SCHEDULE

MANUFACTURER'S MODEL NUMBER BASED ON QMARK UNLESS OTHERWISE NOTED.

UNIT NO.	ROOM NO.	MFGR. MODEL NUMBER	KW	MBH	AMPS	HP	RPM	CFM	VOLT / PHASE	REMARKS
UH–1	008	MUH–05–81	5.0	17.0	24.0	1/100	1600	350	240 / 1	1 2

1. FURNISH WITH INTEGRAL THERMOSTAT.
2. FURNISH WITH CEILING MOUNTING BRACKET

LOUVER SCHEDULE

MANUFACTURER'S MODEL NUMBER BASED ON GREENHECK UNLESS OTHERWISE NOTED.

UNIT NO.	MODEL NUMBER	LOCATION	WIDTH (INCHES)	HEIGHT (INCHES)	DEPTH (INCHES)	FREE AREA (SF)	REMARKS
L–1	ESD–635	D116	24	18	6	1.2	1 2
L–2	ESD–635	BLDG D	14	14	6	0.4	1 2
L–2	ESD–635	POOL EQUIPMENT ROOM	22	12	6	0.6	1 2

1. OPENING IN WALL BY G.C.
2. PROVIDE WITH KYNAR 500 FINISH. COLOR SELECTION BY ARCHITECT.

EQUIPMENT NOTES

EXV–1
DEFLECTO MODEL HS4B BROWN VENT HOOD W/ OPERABLE LOUVERS & 4"ø DUCT CONNECTION.

EXV–2
DEFLECTO MODEL HS84B BROWN VENT HOOD W/ OPERABLE LOUVERS, BIRD BARS & 4"ø DUCT CONNECTION.

EXV–3
DEFLECTO MODEL HS84B BROWN VENT HOOD W/ OPERABLE LOUVERS, BIRD BARS & 6"ø DUCT CONNECTION.

INV–1
DEFLECTO MODEL HSM6B BROWN FRESH AIR INTAKE HOOD W/ FIXED LOUVERS, BIRD GRID & 4"ø DUCT CONNECTION.

INV–2
DEFLECTO MODEL HSM6B BROWN FRESH AIR INTAKE HOOD W/ FIXED LOUVERS, BIRD GRID & 6"ø DUCT CONNECTION.

DS–1
AIRIUS DESIGNER SERIES 60–P4 DESTRATIFICATION FAN. PROVIDE CONTROLS WIRING, DIAL, AND MOUNTING HARDWARE. COORDINATE COLOR/FINISH WITH ARCHITECT.

ATTACH INTAKE & VENT TERMINALS TO THE EXTERIOR WALL PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.

SEAL ALL DUCT PENETRATIONS THROUGH EXTERIOR WALLS WEATHER TIGHT.

DWELLING UNIT O.A.

BASED ON EQUATION 4–9 IN OMC 2024

UNIT TYPE	# OF BEDROOMS	FLOOR AREA (ft.²)	CFM REQUIRED	ADJUSTED CFM
1 BED CLUBHOUSE	1	673	21.73	25
1 BED ANSI TYPE A	1	673	21.73	25
1 BED ANSI TYPE B	1	673	21.73	25
2 BED 2 BA	2	945	31.95	35
2 BED ANSI TYPE A	2	945	31.95	35
2 BED ANSI TYPE B	2	945	31.95	35
3 BED ANSI TYPE A	3	1209	42.09	45
3 BED	3	1209	42.09	45
3 BED CLUBHOUSE	3	1209	42.09	45

DRYER EQUIVALENT LENGTHS CALCULATIONS

UNIT TYPE	HORIZONTAL DUCT LENGTH (FT.)	VERTICAL DUCT LENGTH (FT.)	# 45° ELBOWS	# 90° ELBOWS	TOTAL # 90° ELBOWS	TOTAL STRAIGHT DUCT LENGTH (FT.)	TOTAL EQUIVALENT LENGTH (FT.)
1 BED CLUBHOUSE	1	7	0	1	1	8	13
1 BED ANSI TYPE A	25	7	0	1	1	32	37
1 BED ANSI TYPE B	25	7	0	1	1	32	37
2BED 2 BATH	20	7	1	1	2	27	35
2 BED ANSI TYPE A	20	7	0	1	1	27	32
2 BED ANSI TYPE B	20	7	1	1	2	27	35
3 BED ANSI TYPE A	20	7	1	1	2	27	35
3 BED	20	7	1	1	2	27	35
CLUBHOUSE 3 BED	23	3	0	1	1	26	31

DRYER VENTING NOTES

1. EXHAUST DUCTS SHALL BE ASSEMBLED SO THE INTERIOR SURFACES ARE SMOOTH W/ JOINTS RUNNING IN THE DIRECTION OF AIRFLOW SO AS TO PREVENT ACCUMULATION OF LINT INSIDE THE DUCT. EACH JOINT SHALL BE SECURED WITH METAL FOIL TAPE. DO NOT USE SCREWS OR RIVETS.
2. CLOTHES DRYER EXHAUST DUCTS SHALL BE CONSTRUCTED OF RIGID GALVANIZED STEEL, MINIMUM 26 GAUGE THICKNESS – DO NOT UTILIZE FLEXIBLE DUCTWORK FOR CLOTHES DRYER EXHAUST DUCTS, EXCEPT FLEXIBLE METAL DUCT IS PERMITTED IN THE UTILITY ROOM, OUTSIDE OF THE WALL CONSTRUCTION FOR FINAL CONNECTION TO DRYER OUTLET.
3. EXHAUST DUCTS SHALL BE SUPPORTED AT 4 FT INTERVALS AND SECURED IN PLACE. THE INSERT END OF EACH DUCT SECTION SHALL EXTEND INTO THE ADJOINING DUCT OR FITTING IN THE DIRECTION OF AIRFLOW.
4. PROTECTIVE SHIELD PLATES SHALL BE PLACED ON THE FINISHED FACE OF ALL FRAMING MEMBERS WHERE THERE IS LESS THAN 1–1/4" BETWEEN THE DUCT AND THE FINISHED FACE OF THE FRAMING MEMBER. PROTECTIVE SHIELD PLATES SHALL BE CONSTRUCTED OF STEEL, HAVE A THICKNESS OF 0.062" AND EXTEND A MINIMUM OF 2" ABOVE SOLE PLATES AND BELOW TOP PLATES.
5. DRYER EXHAUST DUCT ELBOWS SHALL HAVE A MINIMUM CENTERLINE RADIUS OF 4".
6. REFER TO DRYER MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR ADDITIONAL VENTING REQUIREMENTS.
7. THE DEVELOPER IS FURNISHING DRYERS WITH VENTING CAPACITIES AS NOTED ABOVE. THIS CONTRACTOR SHALL INSTALL PERMANENTLY LABELED SIGNAGE WITHIN SIX (6) FEET OF THE DRYER DUCT CONNECTION. THE SIGNAGE SHALL STATE THE DRYER DUCT LENGTH & NUMBER OF ELBOWS PER THE AS–BUILT CONDITION FOR EACH UNIT SO THAT REPLACEMENT APPLIANCES WITH APPROPRIATE VENTING CAPACITIES CAN BE PROVIDED AS NEEDED IN THE FUTURE.
8. HVAC CONTRACTOR SHALL CAREFULLY COORDINATE ROUTING OF DRYER EXHAUST DUCTS TO MINIMIZE OFFSETS & THE RESULTING OVERALL EQUIVALENT VENT LENGTH. COORDINATE W/ OTHER TRADES SO THAT INSTALLATION OF THE DRYER EXHAUST DUCTWORK IS GIVEN PRECEDENCE.

#	DATE	CHANGE DESCRIPTION
1	06/10/2025	ADDENDUM# 01
2	06/25/2025	ADDENDUM# 02

COLUMBUS METROPOLITAN HOUSING AUTHORITY
COMMUNITY. CONVENIENCE. COLLABORATION.

THE FALLS ON REFUGEE ROAD
3355 REFUGEE ROAD, COLUMBUS, OH 43232
FOR
CMHA

Moody Nolan
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: 614-461-4664
CERT. NO: FIRM 00197475

DRAWING TITLE:
HVAC SCHEDULES

H300–24217.DWG
PRATER
Engineering Associates, Inc.
6130 Wilcox Road (614) 766 4896
Dublin, Ohio 43016 FAX: (614) 766 2354
DESIGNED BY B. MCFERRIN | DRAWN BY B. MCFERRIN | CHECKED BY | JOB NUM. 24217

PROGRESS DRAWING NOT FOR CONSTRUCTION

05/01/2025
23446
H300
CD PROGRESS SET

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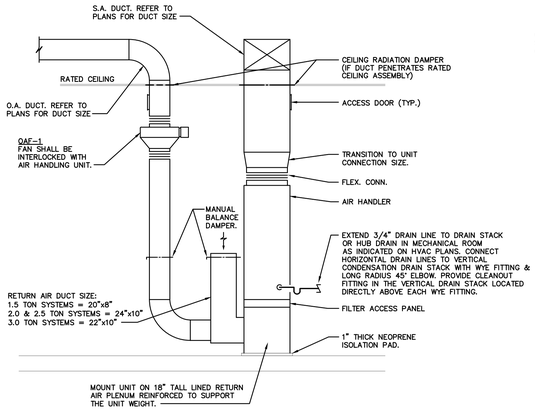
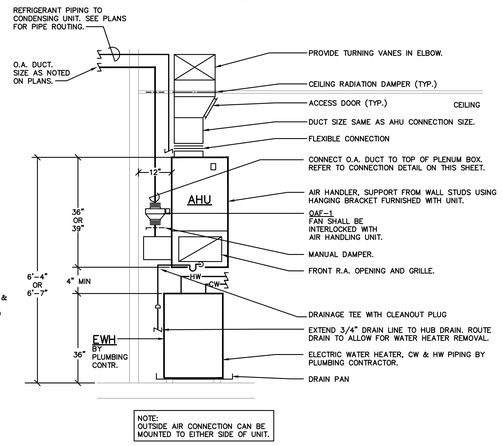


COMMON CORRIDOR SPLIT SYSTEM AHU DETAIL

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

SEQUENCE OF OPERATION FOR O.A. DUCT AUTOMATIC DAMPER:

- DAMPER SHALL BE CLOSED WHEN THE UNIT SUPPLY FAN IS OFF.
- DAMPER SHALL OPEN WHEN THE UNIT SUPPLY FAN IS ON.

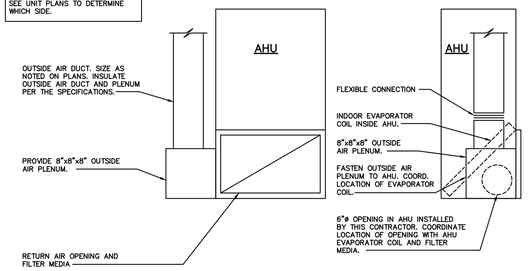


NOTE:
OUTSIDE AIR CONNECTION CAN BE MOUNTED TO EITHER SIDE OF UNIT.

APARTMENT SPLIT SYSTEM MECHANICAL CLOSET DETAIL

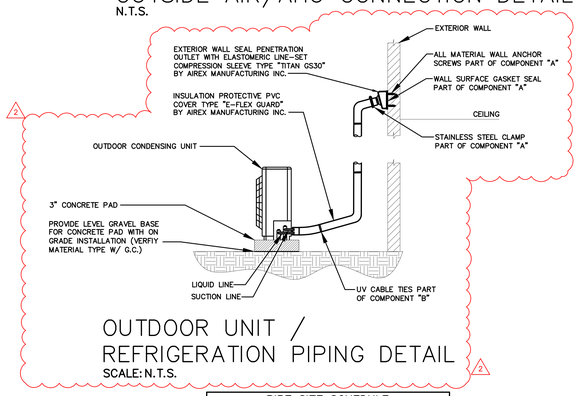
SCALE: 1/2"=1'-0"

NOTE:
OUTSIDE AIR CONNECTION CAN BE MOUNTED TO EITHER SIDE OF UNIT. SEE UNIT PLANS TO DETERMINE WHICH SIDE.



APARTMENT AIR HANDLING UNITS OUTSIDE AIR/AHU CONNECTION DETAIL

N.T.S.



OUTDOOR UNIT / REFRIGERATION PIPING DETAIL

SCALE: N.T.S.

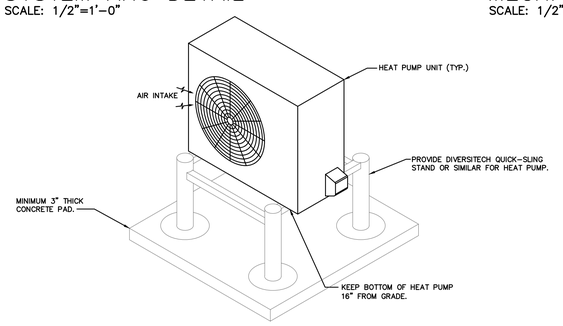
PIPE SIZE SCHEDULE			
TONS	LINE SIZE		INDOOR UNIT LOCATION
	SUCTION	LIQUID	
1.5	5/8"	3/8"	ALL FLOORS
2.0	3/4"	3/8"	ALL FLOORS
3.0	3/4"	3/8"	ALL FLOORS

NOTE:
REFRIGERANT PIPE SIZING SHALL BE COORDINATED WITH THE MANUFACTURER OF THE UNITS BEING PURCHASED.

OUTDOOR UNIT ABOVE INDOOR UNIT

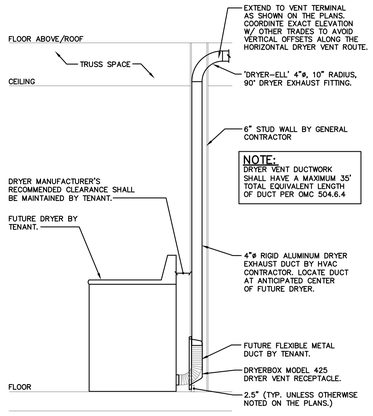
DUCTED SPLIT SYSTEMS REFRIGERANT PIPING DETAILS

SCALE: N.T.S.



HEAT PUMP UNIT MOUNTING DETAIL

N.T.S.

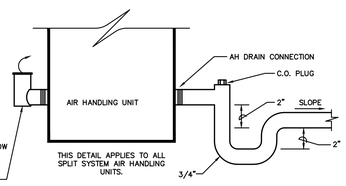


DRYER EXHAUST ROUGH-IN DETAIL

SCALE: N.T.S.

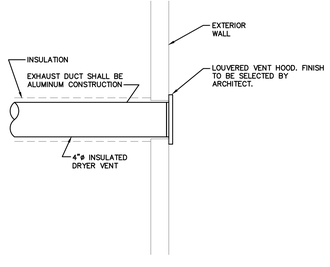
NOTES:

1. ALL DRAIN LINES SHALL BE TRAPPED PER THIS DETAIL.
2. EXTEND A 3/4" DRAIN LINE FROM EACH AIR HANDLING UNIT PRIMARY DRAIN CONNECTON TO THE HUB DRAIN LOCATED IN THE SAME ROOM OR ELSEWHERE AS NOTED ON THE DRAWINGS. TERMINATE PRIMARY DRAIN LINE INDIRECT TO HUB DRAIN PROVIDED BY PLUMBING CONTR.
3. HVAC CONTRACTOR SHALL FURNISH, INSTALL & WIRE A LOW VOLTAGE A/C CONDENSATE OVERFLOW SHUT-OFF SWITCH. SWITCH SHALL BE INSTALLED IN THE UNIT SECONDARY DRAIN OUTLET & WIRED TO SHUT OFF THE AIR HANDLER IN THE EVENT OF A PRIMARY DRAIN LINE MALFUNCTION.



AIR HANDLING UNIT CONDENSATION DRAIN SYSTEMS

SCALE: N.T.S.



DRYER EXHAUST TERMINATION DETAIL

SCALE: N.T.S.

#	DATE	CHANGE DESCRIPTION
1	06/10/2025	ADDENDUM# 01
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COLUMBUS METROPOLITAN HOUSING AUTHORITY
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THE FALLS ON REFUGEE ROAD
3355 REFUGEE ROAD. COLUMBUS, OH 43232
FOR
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SUITE 300
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PHONE: 614-461-4664
CERT. NO: FIRM 00197475

DRAWING TITLE:
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H301-24217.DWG

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(614) 766 4896
FAX: (614) 766 2354

DESIGNED BY	DRAWN BY	CHECKED BY	JOB NUM.
B. MCFERRIN	B. MCFERRIN		24217

PROGRESS DRAWING NOT FOR CONSTRUCTION

05/01/2025

23446

H301

CD PROGRESS SET

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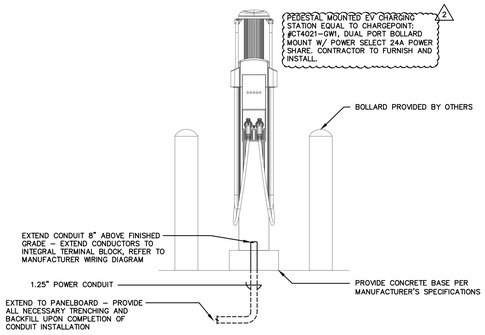
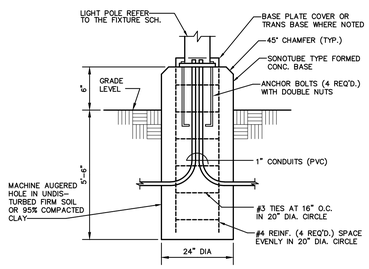
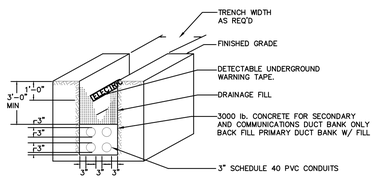


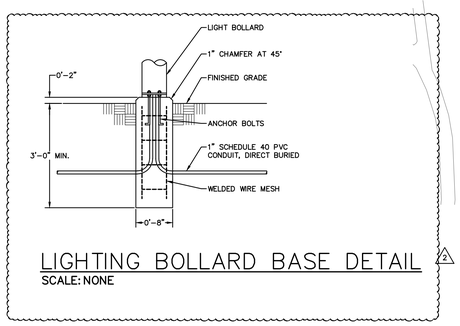
EV CHARGER INSTALLATION DETAIL
SCALE: NONE



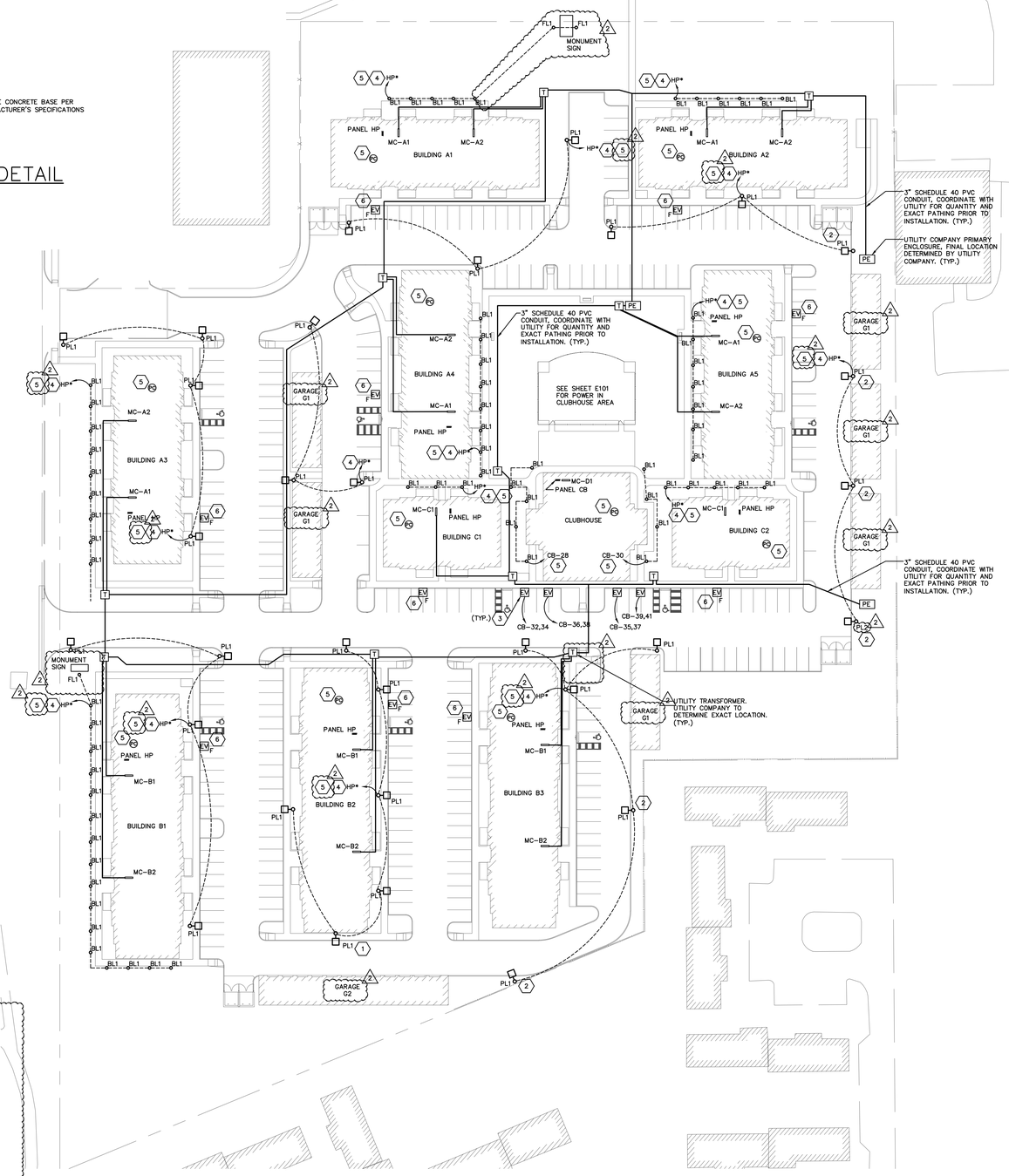
POLE BASE DETAIL
SCALE: NONE



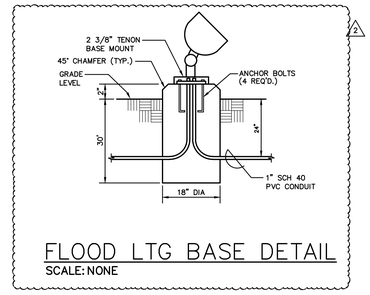
DUCT BANK DETAIL
SCALE: NONE



LIGHTING BOLLARD BASE DETAIL
SCALE: NONE



ELECTRICAL SITE PLAN
SCALE: 1"=40'-0"



FLOOD LTG BASE DETAIL
SCALE: NONE

GENERAL NOTES

A. COORDINATE WITH ALL UTILITY COMPANIES PRIOR TO BIDDING. THE ELECTRICAL SITE PLAN IS DIAGRAMMATIC ONLY AND REPRESENTS GENERAL LOCATIONS OF EQUIPMENT AND UTILITY SPECIFICATIONS. THE SEPARATE UTILITY COMPANIES SHALL PROVIDE DETAILED SPECIFICATIONS AND EQUIPMENT SIZES UPON REQUEST.

B. THE ELECTRICAL SITE PLAN DOES NOT SHOW ALL EXISTING UTILITIES, EXISTING UNDERGROUND EQUIPMENT, OR NEW UNDERGROUND SERVICES. THIS CONTRACTOR SHALL COORDINATE WITH ALL TRADES AND EXISTING CONDITIONS PRIOR TO THE START OF WORK, PRIOR TO EXCAVATING. LOCATE ALL UNDERGROUND SERVICES AND CLEARLY IDENTIFY LOCATIONS.

C. COORDINATE WITH UTILITY COMPANY TO EXTEND THE PRIMARY CONDUCTORS FROM THE EXISTING PRIMARY UTILITY EQUIPMENT TO THE NEW POWER COMPANY TRANSFORMERS.

D. PAD MOUNTED TRANSFORMERS PROVIDED AND INSTALLED BY UTILITY COMPANY. THE ELECTRICAL CONTRACTOR SHALL PROVIDE CONCRETE PAD IN COMPLIANCE WITH THE POWER COMPANY SPECIFICATIONS.

E. WIRING TO ALL SITE LIGHTING SHOWN ON THIS SHEET SHALL BE MINIMUM (2) #8 AND (1) #8 GROUND IN 1" CONDUIT FOR ENTIRE LENGTH OF CIRCUIT.

F. ALL MEP CONTRACTORS SHALL CAREFULLY COORDINATE THE FINAL LOCATION OF LOUVERS, EXHAUST TERMINATIONS, LIGHT FIXTURES, HEAT PUMP CONDENSING UNITS, GAS METERS, METER CENTERS, AND TELEPHONE/CABLE BOXES WITH THE ARCHITECT AND OWNER REPRESENTATIVE. SEE ARCHITECTURAL ELEVATIONS AND LANDSCAPE PLANS FOR ADDITIONAL INFORMATION.

G. SEE SHEET E108 FOR ENLARGED GARAGE PLANS.

CODED NOTES ⬡

1. WALL MOUNT FIXTURE AT 25'-0" A.F.F.
2. PROVIDE POLE FIXTURE WITH HOUSE SIDE SHIELD TO PREVENT LIGHT SPILLAGE ONTO ADJACENT PROPERTIES.
3. PROVIDE 1.25" CONDUIT FOR EACH EV CHARGER BRANCH CIRCUIT. COORDINATE FINAL LOCATION WITH OWNER REPRESENTATIVE AND CIVIL ENGINEER PRIOR TO ROUGH-IN. REFER TO MANUFACTURER INSTALLATION INSTRUCTIONS FOR MORE INFORMATION. REFER TO EV CHARGING INSTALLATION DETAIL ON THIS SHEET.
4. CIRCUIT EXTERIOR LIGHTING CIRCUIT TO NEAREST BUILDING HOUSE PANEL "HP". SEE HP PANEL SCHEDULE ON SHEET E-302.
5. RUN CIRCUIT THROUGH EXTERIOR PHOTOCELL AND EXTERIOR LIGHTING CONTACTOR FOR AUTOMATIC CONTROL. PROVIDE EXTERIOR LIGHTING PHOTOCELL TO CONTROL EXTERIOR FIXTURES, EQUAL TO PRECISION #ST-15. MOUNT HIGH ON THE NORTH SIDE OF THE BUILDING FOR MAXIMUM EXPOSURE TO SUN AND OUT OF SITE FROM PUBLIC. COORDINATE FINAL LOCATION WITH THE ARCHITECT PRIOR TO ROUGH-IN. SEE EXTERIOR LIGHTING CONTROL DETAIL ON SHEET E401.
6. PROVIDE PULLBOX FOR FUTURE EV CHARGER EQUAL TO HUBBELL 8"X8"X12" PC STYLE QUAZITE BOX. PROVIDE (1) ONE EMPTY 2" SCHEDULE 40 PVC, AND RUN TO NEAREST HOUSE PANEL. COORDINATE EXACT LOCATION OF PULLBOX AND CONDUIT WITH CIVIL AND THE ARCHITECT PRIOR TO INSTALLATION.

LINE TYPE LEGEND

——— LINE TYPE INDICATES NEW ELECTRICAL EQUIPMENT/DEVICES TO BE PROVIDED.

- - - - - - LINE TYPE INDICATES BELOW GROUND ELECTRICAL WIRING

#	DATE	CHANGE DESCRIPTION
1	06/10/2025	ADDENDUM# 01
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6130 Wilcox Road
Dublin, Ohio 43016
(614) 766 4896
FAX: (614) 766 2354

DESIGNED BY	DRAWN BY	CHECKED BY	JOB NUM.
N. RUSSELL	N. RUSSELL	D. POWELL	24217

PROGRESS DRAWING NOT FOR CONSTRUCTION

05/01/2025

23446

E100

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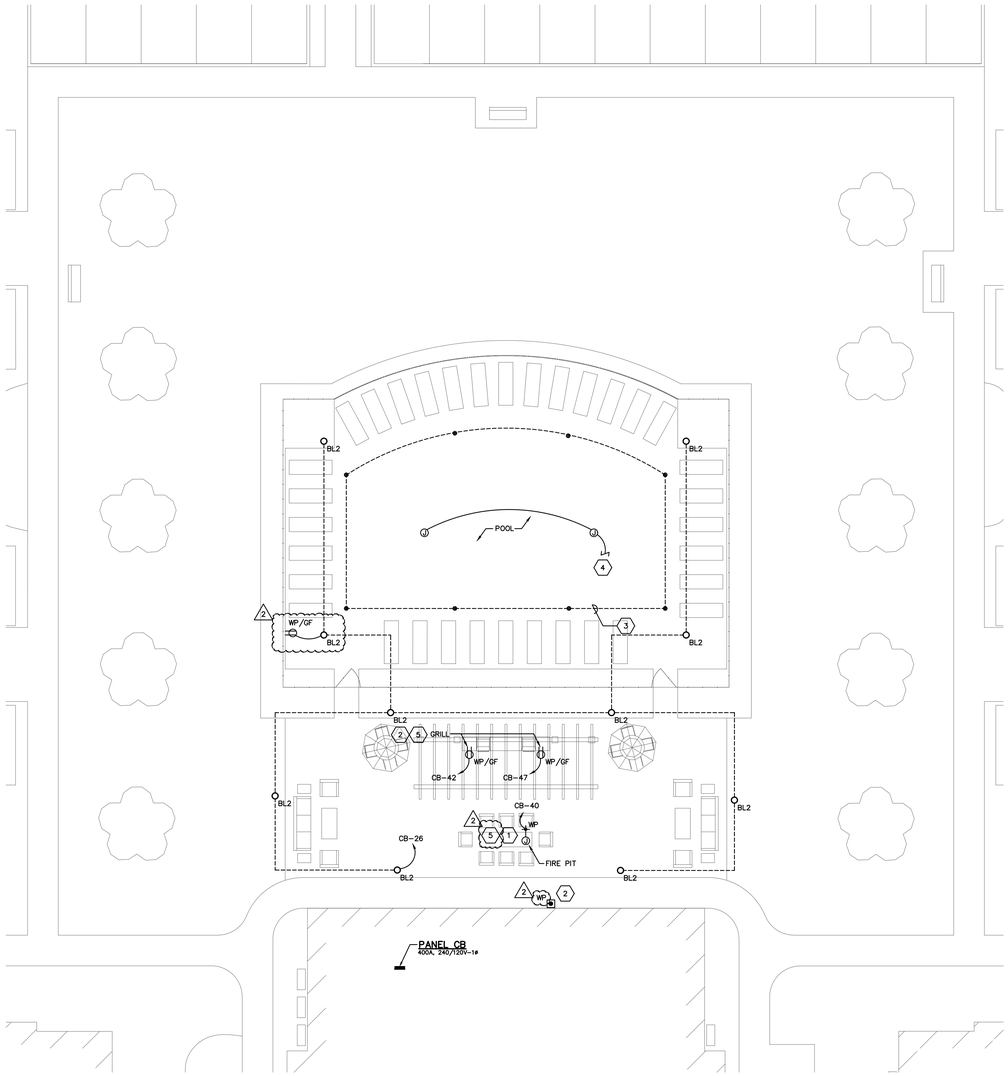
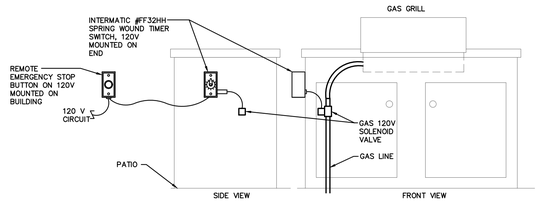


ELECTRICAL CLUBHOUSE PLAN
SCALE: 1"=10'-0"



GAS GRILL EM SHUTOFF
SCALE: NONE
SIMILAR FOR FIRE PIT

GENERAL NOTES

A. COORDINATE THE MOUNTING HEIGHT AND LOCATIONS OF THE ELECTRICAL DEVICES WITH ARCHITECTURAL ELEVATIONS AND GENERAL TRADES CONTRACTOR PRIOR TO ROUGH-IN. RECEPTACLES LOCATED WITHIN (6) SIX FEET OF A SINK SHALL BE GROUND FAULT INTERRUPTER (GFCI) TYPE RECEPTACLES. ALL RECEPTACLES IN KITCHENS, BREAK ROOMS, KITCHENETTES, ETC. SHALL BE GFCI PROTECTED. RECEPTACLES NOT READILY ACCESSIBLE THAT REQUIRE GFCI PROTECTION SHALL BE SO AT THE CIRCUIT BREAKER.

B. ALL BACKBOXES LOCATED IN RATED WALLS SHALL BE ENCASED IN FIRE PUTTY SEALANT. ALL CONDUITS THAT PASS THROUGH RATED WALLS MUST BE FIRE SEALED ON BOTH SIDES OF THE WALL. COORDINATE WITH THE ARCHITECT'S DRAWINGS FOR LOCATIONS OF THE RATED WALLS.

C. VERIFY ALL NEMA CONFIGURATIONS OF ALL 240 VOLT RECEPTACLES PRIOR TO ORDERING/ROUGH-IN.

D. COORDINATE ALL RECEPTACLE AND SWITCH LOCATIONS IN AND ABOVE CABINETRY WITH OWNER/DEVELOPER AND ARCHITECTURAL PLANS PRIOR TO ROUGH-IN.

E. COORDINATE WALL THICKNESS WITH GENERAL TRADES CONTRACTOR. PROVIDE ADAPTER RING APPROPRIATE FOR WALL THICKNESS AND CABINET BACK PANEL.

F. PROVIDE A JUNCTION BOX FOR ALL CAMERAS, WAPS, AND CARD READERS TO MOUNT TO. COORDINATE FINAL LOCATION AND MOUNTING HEIGHT WITH OWNER. COORDINATE ALL ACCESS CONTROL REQUIREMENTS WITH SECURITY CONTRACTOR PRIOR TO ROUGH-IN.

G. ALL RECEPTACLES SHALL BE TAMPER RESISTANT.

H. COORDINATE ALL EXTERIOR LIGHT FIXTURE LOCATIONS BY THE POOL WITH THE LANDSCAPE CONTRACTOR PRIOR TO ROUGH-IN. SEE LANDSCAPE PLANS FOR MORE DETAILS.

I. COORDINATE ALL ELECTRICAL CONNECTIONS FOR POOL EQUIPMENT WITH POOL CONTRACTOR PRIOR TO ROUGH-IN.

J. REFER TO NEC 680.26 FOR REQUIREMENTS ON POOL GROUNDING AND BONDING.

CODED NOTES ⬡

1. PROVIDE 120V CONNECTON AND WEATHERPROOF DISCONNECT SWITCH FOR FIRE PIT. COORDINATE FINAL REQUIREMENTS WITH MANUFACTURER AND LOCATION OF SWITCH WITH OWNER PRIOR TO ROUGH-IN. EXTEND WIRING TO EMERGENCY SHUT-OFF BUTTON.
2. PROVIDE EPO PUSH-BUTTON EQUAL TO STI TO TURN OFF SOLENOID VALVE. EXTEND CIRCUIT FOR ALL GAS EQUIPMENT INCLUDING FIRE PITS AND GAS GRILLS TO PUSH-BUTTON. COORDINATE FINAL LOCATION OF EPO BUTTON WITH OWNER PRIOR TO ROUGH-IN.
3. PROVIDE A POOL DECK GROUNDING SYSTEM. PROVIDE A PERIMETER SURFACE BOND 3' BEYOND THE INSIDE WALL OF THE POOL AND ATTACHED TO THE POOL REINFORCING STEEL OR COPPER CONDUCTOR GRID AT A MINIMUM OF FOUR POINTS EVENLY SPACED AROUND THE POOL PERIMETER. REFER TO NEC 680.26(B)(2) FOR BONDING REQUIREMENTS.
4. PROVIDE 120V CONNECTION WITH GROUND FAULT PROTECTION TO POOL LIGHTS. EXTEND CIRCUIT TO UNDERWATER LIGHTS IN POOL. COORDINATE FINAL CONNECTIONS WITH POOL CONTRACTOR. SEE SHEET E107-D FOR CONNECTION LOCATION IN POOL ROOM.
5. SEE GAS GRILL EM SHUTOFF DETAIL ON THIS SHEET FOR MANUAL SHUTOFF OF GAS EQUIPMENT.

LINE TYPE LEGEND

———— LINE TYPE INDICATES NEW ELECTRICAL EQUIPMENT/DEVICES TO BE PROVIDED.

- - - - - - - - - - LINE TYPE INDICATES BELOW GROUND ELECTRICAL WIRING

#	DATE	CHANGE DESCRIPTION
1	06/10/2025	ADDENDUM# 01
2	06/25/2025	ADDENDUM# 02

COLUMBUS METROPOLITAN HOUSING AUTHORITY
COMMUNITY. COMMITMENT. COLLABORATION.

THE FALLS ON REFUGEE ROAD
3355 REFUGEE ROAD. COLUMBUS, OH 43232
FOR
CMHA

Moody Nolan
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: 614-461-4664
CERT. NO: FIRM 00197475

DRAWING TITLE:
ELECTRICAL CLUBHOUSE PLAN

E101-24217.DWG

PRATER
Engineering Associates, Inc.
6130 Wilcox Road
Dublin, Ohio 43016
(614) 766 4896
FAX: (614) 766 2354

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N. RUSSELL	N. RUSSELL	–	24217

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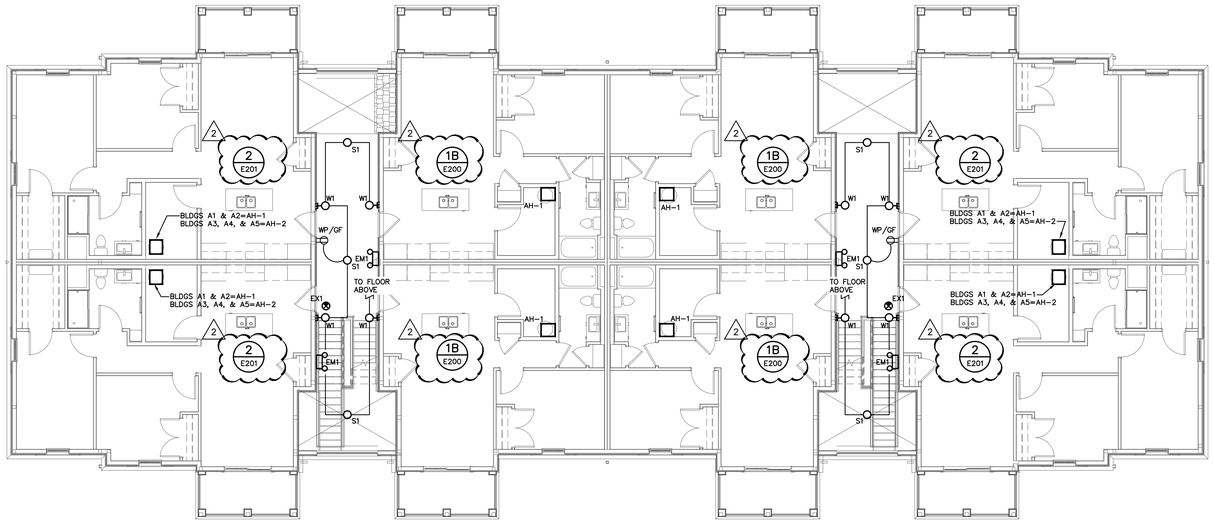
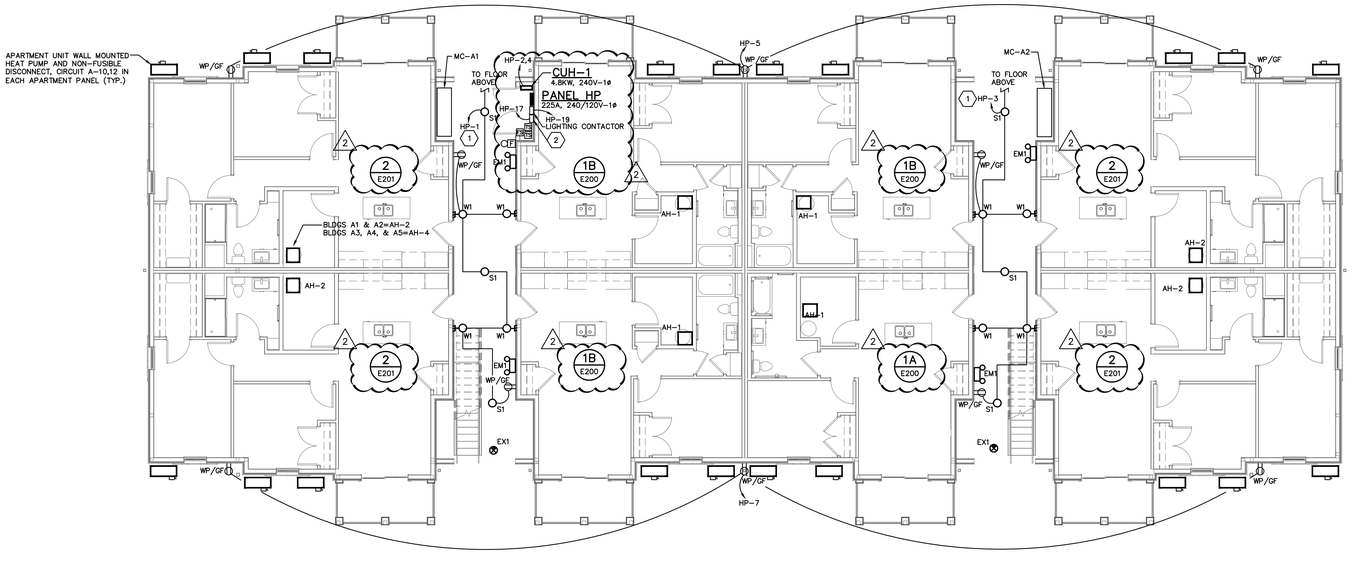


LEVEL 02 ELECTRICAL PLAN – BUILDING A
SCALE: 1/8"=1'-0"



LEVEL 01 ELECTRICAL PLAN – BUILDING A
SCALE: 1/8"=1'-0"

GENERAL NOTES

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B. ALL BACKBOXES LOCATED IN RATED WALLS SHALL BE ENCASED IN FIRE PUTTY/SEALANT. ALL CONDUITS THAT PASS THROUGH RATED WALLS MUST BE FIRE SEALED ON BOTH SIDES OF THE WALL. COORDINATE WITH THE ARCHITECT'S DRAWINGS FOR LOCATIONS OF THE RATED WALLS.

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G. ALL RECEPTACLES SHALL BE TAMPER RESISTANT UNLESS OTHERWISE NOTED..

H. COORDINATE ALL ELECTRICAL CONNECTIONS FOR POOL EQUIPMENT WITH POOL CONTRACTOR PRIOR TO ROUGH-IN.

I. REFER TO E200 SERIES SHEETS FOR ENLARGED UNIT PLANS.

J. OUTLET BOXES FOR LIGHT FIXTURES SHALL BE STANDARD OCTAGONAL.

K. REFER TO ARCHITECTURAL UNIT RCP'S, CORRIDORS, AND AMENITY SPACES FOR THE EXACT LOCATIONS OF ALL LIGHT FIXTURES. REFER TO ARCHITECTURAL ELEVATIONS FOR MOUNTING HEIGHTS OF WALL MOUNTED LIGHT FIXTURES/SCONCES.

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M. REFER TO SITE PLAN FOR LOCATIONS OF METER CENTERS AND EQUIPMENT ROOM IN BREEZEWAYS. LOCATION MAY VARY PER BUILDING.

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2. PROVIDE FIRE ALARM SPRINKLER MONITORING PANEL. PROVIDE 2 PHONE LINES TO PANEL. COORDINATE INSTALLATION WITH OWNER. REFER TO SPECIFICATIONS FOR MORE INFORMATION.

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Moody Nolan
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SUITE 300
COLUMBUS, OHIO 43215
PHONE: 614-461-4664
CERT. NO: FIRM 00197475

DRAWING TITLE:
BUILDING A - LEVEL 01 & 02 ELECTRICAL PLANS

E101-A-24217.DWG

PRATER
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6130 Wilcox Road
Dublin, Ohio 43016
(614) 766 4896
FAX: (614) 766 2354

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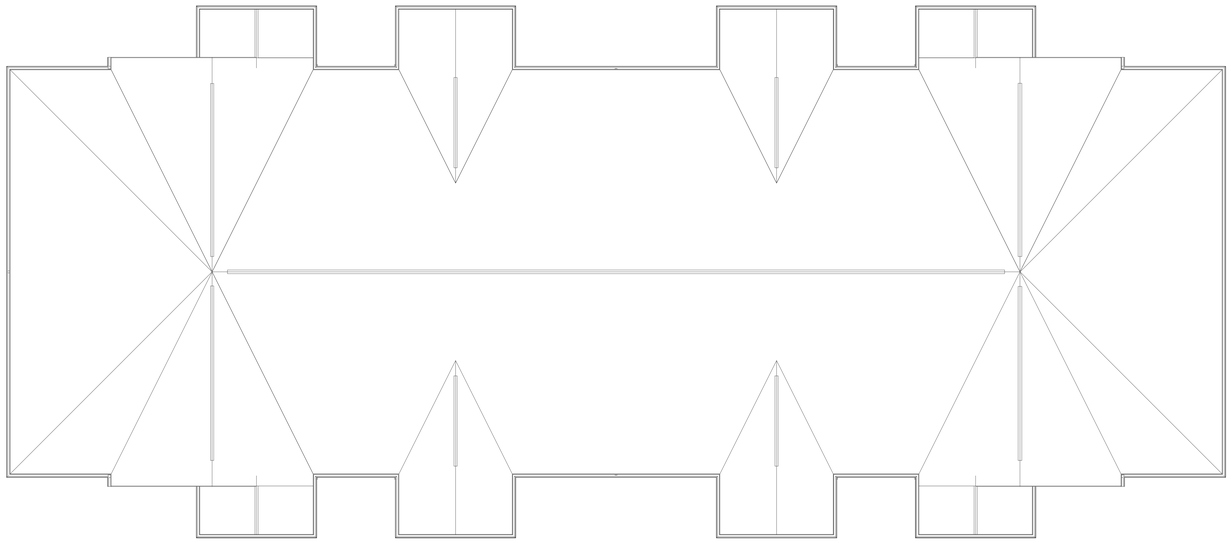
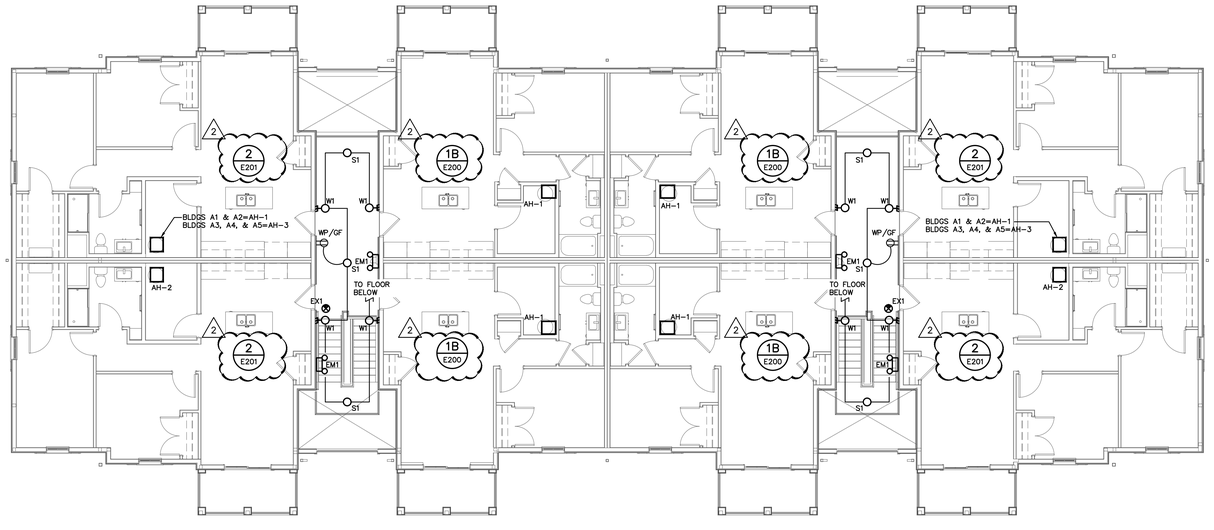


ROOF ELECTRICAL PLAN – BUILDING A
SCALE: 1/8"=1'-0"



LEVEL 03 ELECTRICAL PLAN – BUILDING A
SCALE: 1/8"=1'-0"

GENERAL NOTES

A. COORDINATE THE MOUNTING HEIGHT AND LOCATIONS OF THE ELECTRICAL DEVICES WITH ARCHITECTURAL ELEVATIONS AND GENERAL TRADES CONTRACTOR PRIOR TO ROUGH-IN. RECEPTACLES LOCATED WITHIN (6) SIX FEET OF A SINK SHALL BE GROUND FAULT INTERRUPTER (GFCI) TYPE RECEPTACLES. ALL RECEPTACLES IN KITCHENS, BREAK ROOMS, KITCHENETTES, ETC. SHALL BE GFCI PROTECTED. RECEPTACLES NOT READILY ACCESSIBLE THAT REQUIRE GFCI PROTECTION SHALL BE SO AT THE CIRCUIT BREAKER.

B. ALL BACKBOXES LOCATED IN RATED WALLS SHALL BE ENCASED IN FIRE PUTTY/SEALANT. ALL CONDUITS THAT PASS THROUGH RATED WALLS MUST BE FIRE SEALED ON BOTH SIDES OF THE WALL. COORDINATE WITH THE ARCHITECT'S DRAWINGS FOR LOCATIONS OF THE RATED WALLS.

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COLUMBUS METROPOLITAN HOUSING AUTHORITY
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THE FALLS ON REFUGEE ROAD
3355 REFUGEE ROAD, COLUMBUS, OH 43232
FOR
CMHA

Moody Nolan
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: 614-461-4664
CERT. NO: FIRM 00197475

DRAWING TITLE:
BUILDING A - LEVEL 03 & ROOF ELECTRICAL PLANS

E102-A-24217.DWG

PRATER
Engineering Associates, Inc.
6130 Wilcox Road
Dublin, Ohio 43016
(614) 766 4896
FAX: (614) 766 2354

DESIGNED BY	DRAWN BY	CHECKED BY	JOB NUM.
N. RUSSELL	N. RUSSELL	–	24217

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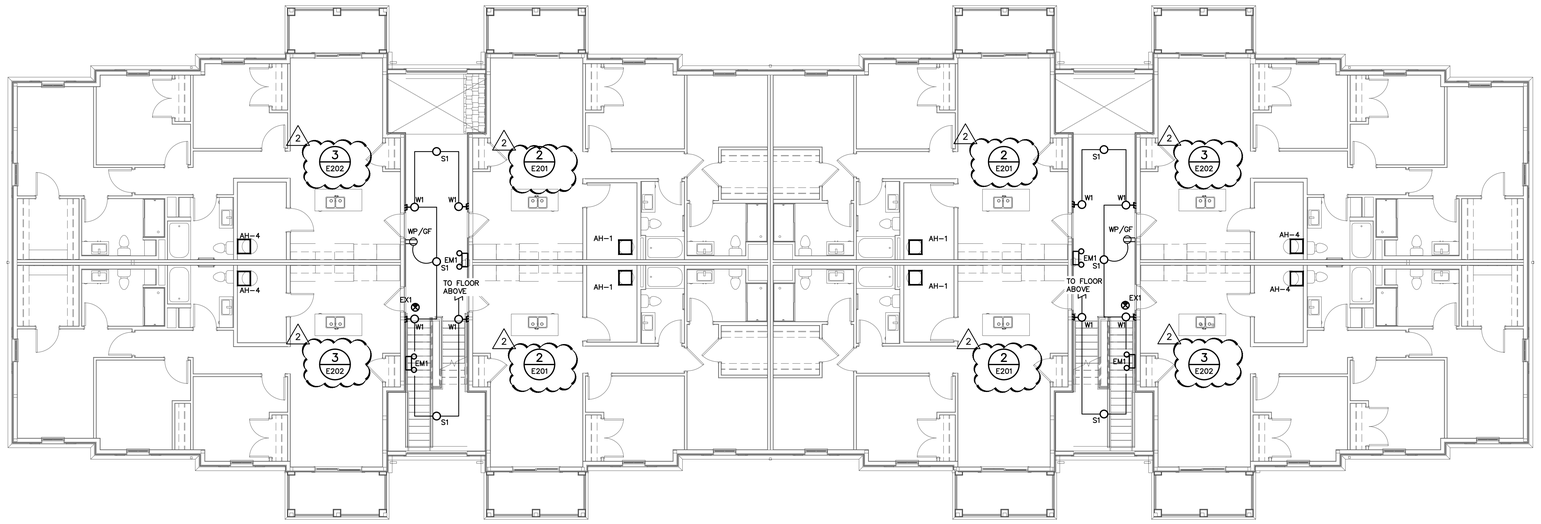
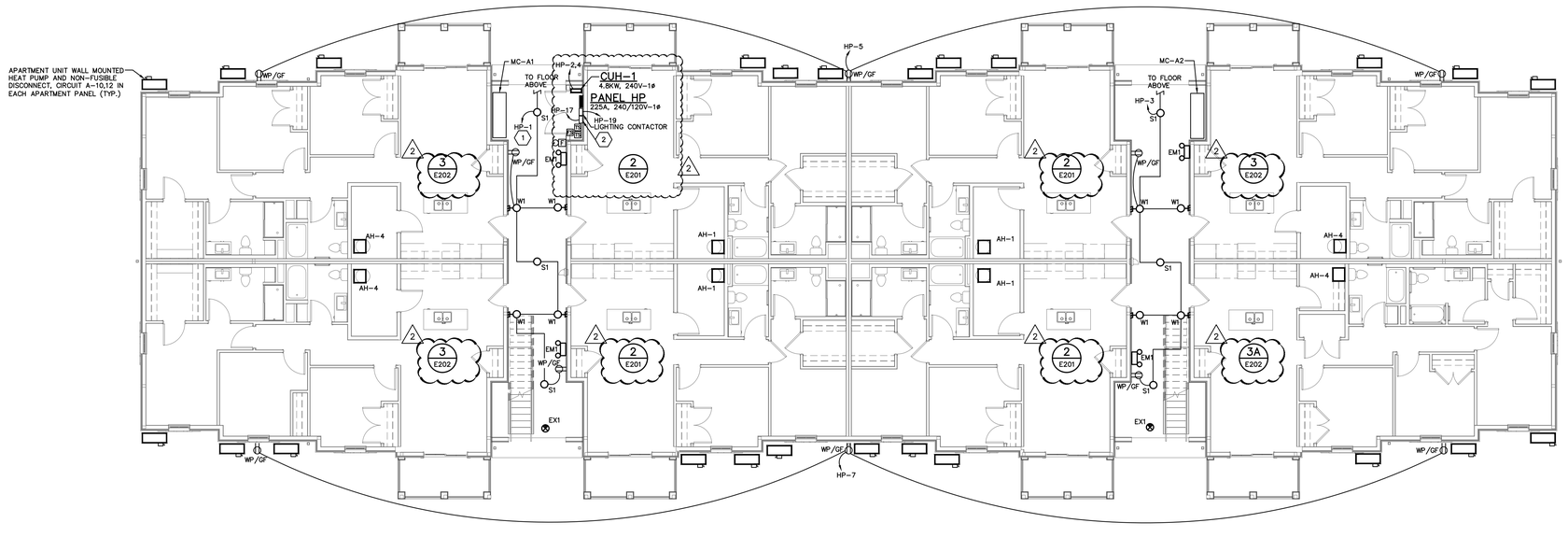


LEVEL 02 ELECTRICAL PLAN – BUILDING B
SCALE: 1/8"=1'-0"



LEVEL 01 ELECTRICAL PLAN – BUILDING B
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GENERAL NOTES

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COLUMBUS METROPOLITAN HOUSING AUTHORITY
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PHONE: 614-461-4664
CERT. NO: FIRM 00197475

DRAWING TITLE:
BUILDING B - LEVEL 01 & 02 ELECTRICAL PLANS

E103-B-24217.DWG

PRATER
Engineering Associates, Inc.
6130 Wilcox Road
Dublin, Ohio 43016
(614) 766 4896
FAX: (614) 766 2354

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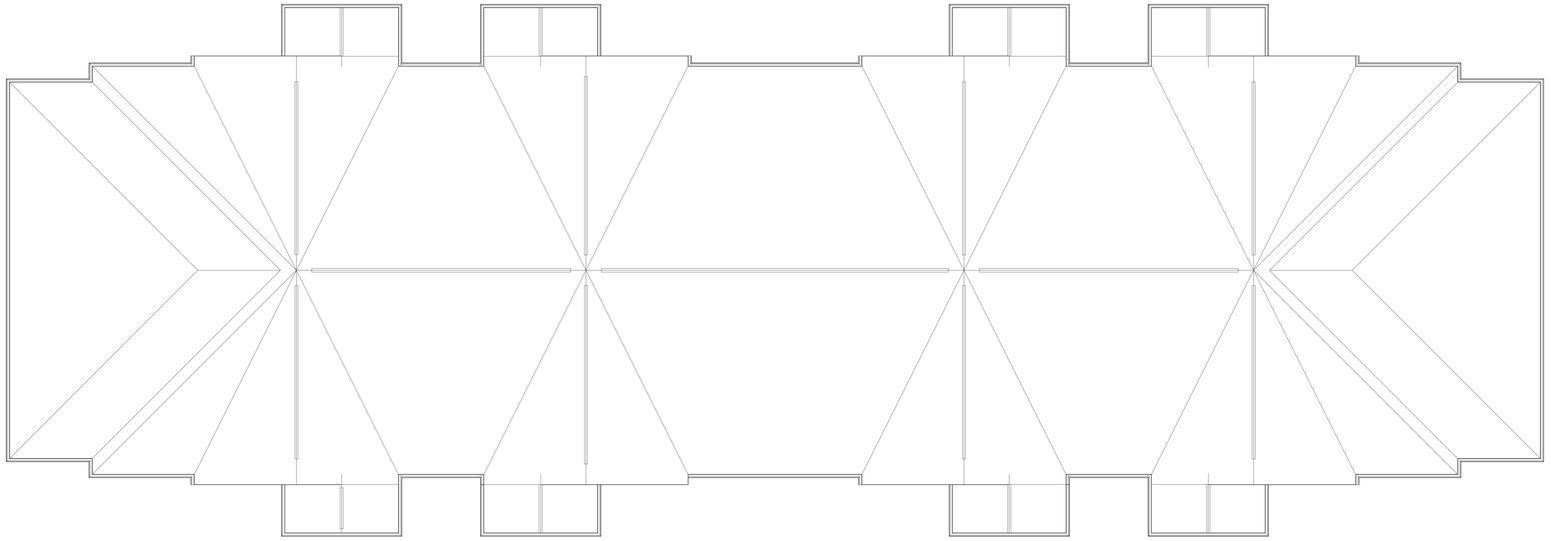
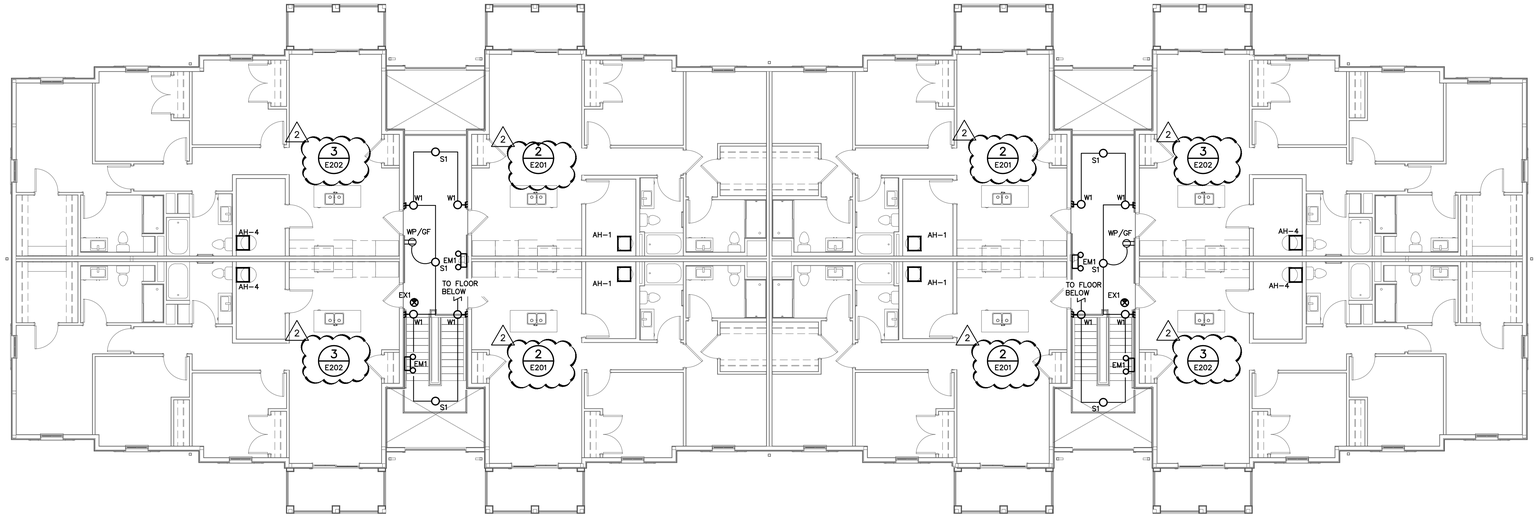


ROOF ELECTRICAL PLAN – BUILDING B
SCALE: 1/8"=1'-0"



LEVEL 03 ELECTRICAL PLAN – BUILDING B
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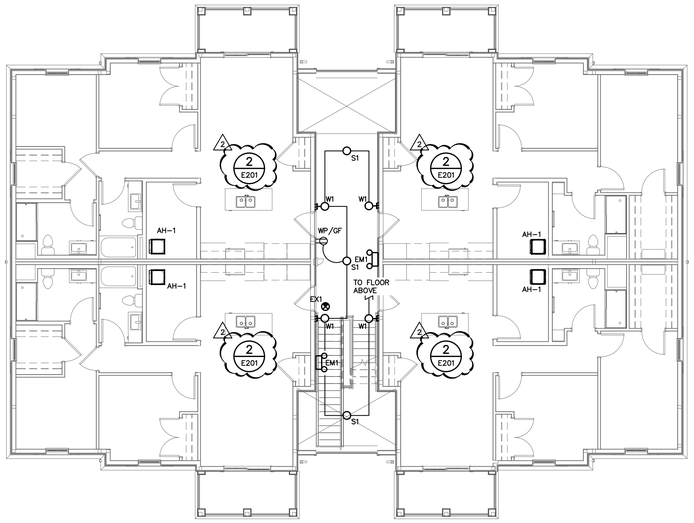
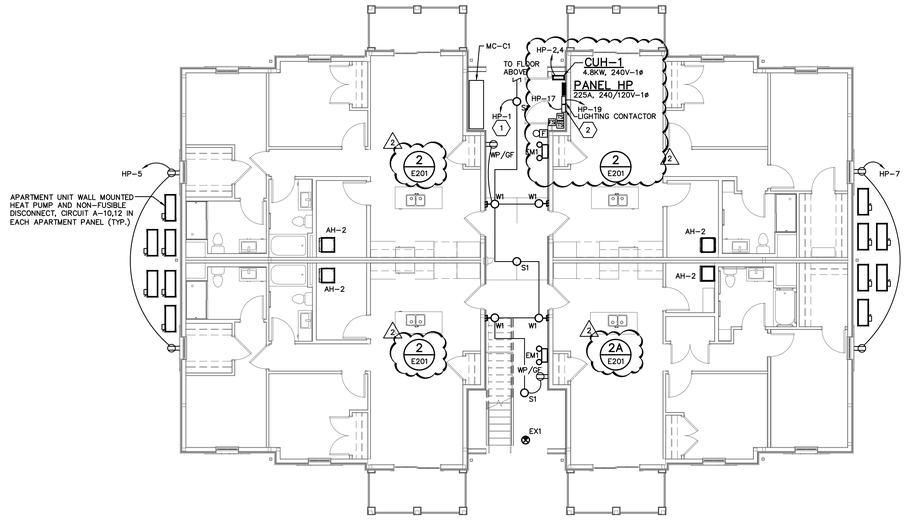


LEVEL 02 ELECTRICAL PLAN – BUILDING C
SCALE: 1/8"=1'-0"



LEVEL 01 ELECTRICAL PLAN – BUILDING C
SCALE: 1/8"=1'-0"

GENERAL NOTES

A. COORDINATE THE MOUNTING HEIGHT AND LOCATIONS OF THE ELECTRICAL DEVICES WITH ARCHITECTURAL ELEVATIONS AND GENERAL TRADES CONTRACTOR PRIOR TO ROUGH-IN. RECEPTACLES LOCATED WITHIN (6) SIX FEET OF A SINK SHALL BE GROUND FAULT INTERRUPTER (GFCI) TYPE RECEPTACLES. ALL RECEPTACLES IN KITCHENS, BREAK ROOMS, KITCHENETTES, ETC. SHALL BE GFCI PROTECTED. RECEPTACLES NOT READILY ACCESSIBLE THAT REQUIRE GFCI PROTECTION SHALL BE SO AT THE CIRCUIT BREAKER.

B. ALL BACKBOXES LOCATED IN RATED WALLS SHALL BE ENCASED IN FIRE PUTTYSEALANT. ALL CONDUITS THAT PASS THROUGH RATED WALLS MUST BE FIRE SEALED ON BOTH SIDES OF THE WALL. COORDINATE WITH THE ARCHITECT'S DRAWINGS FOR LOCATIONS OF THE RATED WALLS.

C. VERIFY ALL NEMA CONFIGURATIONS OF ALL 240 VOLT RECEPTACLES PRIOR TO ORDERING/ROUGH-IN.

D. COORDINATE ALL RECEPTACLE AND SWITCH LOCATIONS IN AND ABOVE CABINETRY WITH OWNER/DEVELOPER AND ARCHITECTURAL PLANS PRIOR TO ROUGH-IN.

E. COORDINATE WALL THICKNESS WITH GENERAL TRADES CONTRACTOR. PROVIDE ADAPTER RING APPROPRIATE FOR WALL THICKNESS AND CABINET BACK PANEL.

F. PROVIDE A JUNCTION BOX FOR ALL CAMERAS, WAPS, AND CARD READERS TO MOUNT TO. COORDINATE FINAL LOCATION AND MOUNTING HEIGHT WITH OWNER. COORDINATE ALL ACCESS CONTROL REQUIREMENTS WITH SECURITY CONTRACTOR PRIOR TO ROUGH-IN.

G. ALL RECEPTACLES SHALL BE TAMPER RESISTANT UNLESS OTHERWISE NOTED..

H. COORDINATE ALL ELECTRICAL CONNECTIONS FOR POOL EQUIPMENT WITH POOL CONTRACTOR PRIOR TO ROUGH-IN.

I. REFER TO E200 SERIES SHEETS FOR ENLARGED UNIT PLANS.

J. OUTLET BOXES FOR LIGHT FIXTURES SHALL BE STANDARD OCTAGONAL.

K. REFER TO ARCHITECTURAL UNIT RCP'S, CORRIDORS, AND AMENITY SPACES FOR THE EXACT LOCATIONS OF ALL LIGHT FIXTURES. REFER TO ARCHITECTURAL ELEVATIONS FOR MOUNTING HEIGHTS OF WALL MOUNTED LIGHT FIXTURES/SCONCES.

L. UNLESS OTHERWISE NOTED OR SHOWN SWITCHED, ALL EMERGENCY FIXTURES AND EXIT SIGNS SHALL BE WIRED AHEAD OF ROOM SWITCHING TO MONITOR THE LOCAL LIGHTING CIRCUIT. EMERGENCY FIXTURES SHALL AUTOMATICALLY ILLUMINATE UPON THE LOSS OF UTILITY POWER. WIRE LIGHTING FIXTURES AND EXIT SIGNS IN THE BREEZEWAYS TO REMAIN ILLUMINATED AS NIGHT LIGHTS.

CODED NOTES ⬡

1. WIRE FIXTURES THROUGH EXTERIOR LIGHTING PHOTOCELL AND LIGHTING CONTACTOR FOR AUTOMATIC LIGHTING CONTROL. ELECTRICAL CONTRACTOR SHALL PROVIDE PHOTOCELL (EQUAL TO PRECISION MULTIPLE #ST-15) AND COORDINATE FINAL LOCATION WITH OWNER BASED ON BUILDING ORIENTATION. PHOTOCELL SHALL BE MOUNTED HIGH ON ROOF AND AIM NORTH. SEE EXTERIOR LIGHTING CONTROL DETAIL ON SHEET E401 FOR MORE INFORMATION.
2. PROVIDE FIRE ALARM SPRINKLER MONITORING PANEL. PROVIDE 2 PHONE LINES TO PANEL. COORDINATE INSTALLATION WITH OWNER. REFER TO SPECIFICATIONS FOR MORE INFORMATION.

#	DATE	CHANGE DESCRIPTION
1	06/10/2025	ADDENDUM# 01
2	06/25/2025	ADDENDUM# 02

COLUMBUS METROPOLITAN HOUSING AUTHORITY
COMMUNITY. COMMITMENT. COLLABORATION.

THE FALLS ON REFUGEE ROAD
3355 REFUGEE ROAD, COLUMBUS, OH 43232
FOR
CMHA

Moody Nolan
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: 614-461-4664
CERT. NO: FIRM 00197475

DRAWING TITLE:
BUILDING C - LEVEL 01 & 02 ELECTRICAL PLANS

E105-C-24217.DWG

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N. RUSSELL	N. RUSSELL	–	24217

PROGRESS DRAWING NOT FOR CONSTRUCTION

05/01/2025

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E105-C

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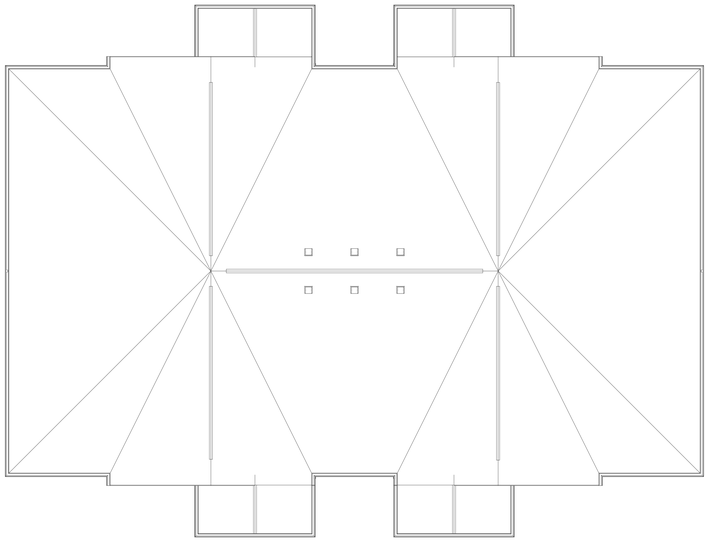
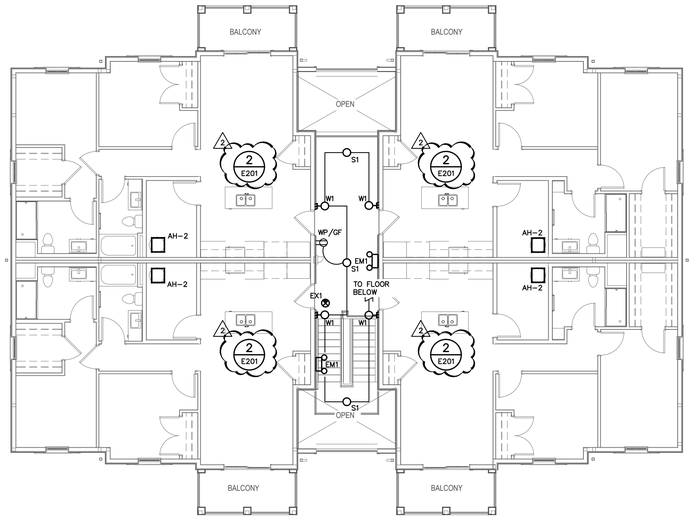


ROOF ELECTRICAL PLAN – BUILDING C
SCALE: 1/8"=1'-0"



LEVEL 03 ELECTRICAL PLAN – BUILDING C
SCALE: 1/8"=1'-0"

GENERAL NOTES

A. COORDINATE THE MOUNTING HEIGHT AND LOCATIONS OF THE ELECTRICAL DEVICES WITH ARCHITECTURAL ELEVATIONS AND GENERAL TRADES CONTRACTOR PRIOR TO ROUGH-IN. RECEPTACLES LOCATED WITHIN (6) SIX FEET OF A SINK SHALL BE GROUND FAULT INTERRUPTER (GFCI) TYPE RECEPTACLES. ALL RECEPTACLES IN KITCHENS, BREAK ROOMS, KITCHENETTES, ETC. SHALL BE GFCI PROTECTED. RECEPTACLES NOT READILY ACCESSIBLE THAT REQUIRE GFCI PROTECTION SHALL BE SO AT THE CIRCUIT BREAKER.

B. ALL BACKBOXES LOCATED IN RATED WALLS SHALL BE ENCASED IN FIRE PUTTY/SEALANT. ALL CONDUITS THAT PASS THROUGH RATED WALLS MUST BE FIRE SEALED ON BOTH SIDES OF THE WALL. COORDINATE WITH THE ARCHITECT'S DRAWINGS FOR LOCATIONS OF THE RATED WALLS.

C. VERIFY ALL NEMA CONFIGURATIONS OF ALL 240 VOLT RECEPTACLES PRIOR TO ORDERING/ROUGH-IN.

D. COORDINATE ALL RECEPTACLE AND SWITCH LOCATIONS IN AND ABOVE CABINETRY WITH OWNER/DEVELOPER AND ARCHITECTURAL PLANS PRIOR TO ROUGH-IN.

E. COORDINATE WALL THICKNESS WITH GENERAL TRADES CONTRACTOR. PROVIDE ADAPTER RING APPROPRIATE FOR WALL THICKNESS AND CABINET BACK PANEL.

F. PROVIDE A JUNCTION BOX FOR ALL CAMERAS, WAPS, AND CARD READERS TO MOUNT TO. COORDINATE FINAL LOCATION AND MOUNTING HEIGHT WITH OWNER. COORDINATE ALL ACCESS CONTROL REQUIREMENTS WITH SECURITY CONTRACTOR PRIOR TO ROUGH-IN.

G. ALL RECEPTACLES SHALL BE TAMPER RESISTANT UNLESS OTHERWISE NOTED.

H. COORDINATE ALL ELECTRICAL CONNECTIONS FOR POOL EQUIPMENT WITH POOL CONTRACTOR PRIOR TO ROUGH-IN.

I. REFER TO E200 SERIES SHEETS FOR ENLARGED UNIT PLANS.

J. OUTLET BOXES FOR LIGHT FIXTURES SHALL BE STANDARD OCTAGONAL.

K. REFER TO ARCHITECTURAL UNIT RCP'S, CORRIDORS, AND AMENITY SPACES FOR THE EXACT LOCATIONS OF ALL LIGHT FIXTURES. REFER TO ARCHITECTURAL ELEVATIONS FOR MOUNTING HEIGHTS OF WALL MOUNTED LIGHT FIXTURES/SCONCES.

L. UNLESS OTHERWISE NOTED OR SHOWN SWITCHED, ALL EMERGENCY FIXTURES AND EXIT SIGNS SHALL BE WIRED AHEAD OF ROOM SWITCHING TO MONITOR THE LOCAL LIGHTING CIRCUIT. EMERGENCY FIXTURES SHALL AUTOMATICALLY ILLUMINATE UPON THE LOSS OF UTILITY POWER. WIRE LIGHTING FIXTURES AND EXIT SIGNS IN THE BREEZEWAYS TO REMAIN ILLUMINATED AS NIGHT LIGHTS.

E106-C-24217.DWG

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#	DATE	CHANGE DESCRIPTION
1	06/10/2025	ADDENDUM# 01
2	06/25/2025	ADDENDUM# 02

COLUMBUS METROPOLITAN HOUSING AUTHORITY
COMMUNITY. COMMITMENT. COLLABORATION.

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FOR
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Moody Nolan
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CERT. NO: FIRM 00197475

DRAWING TITLE:
BUILDING C - LEVEL 03 & ROOF ELECTRICAL PLANS

PROGRESS DRAWING NOT FOR CONSTRUCTION

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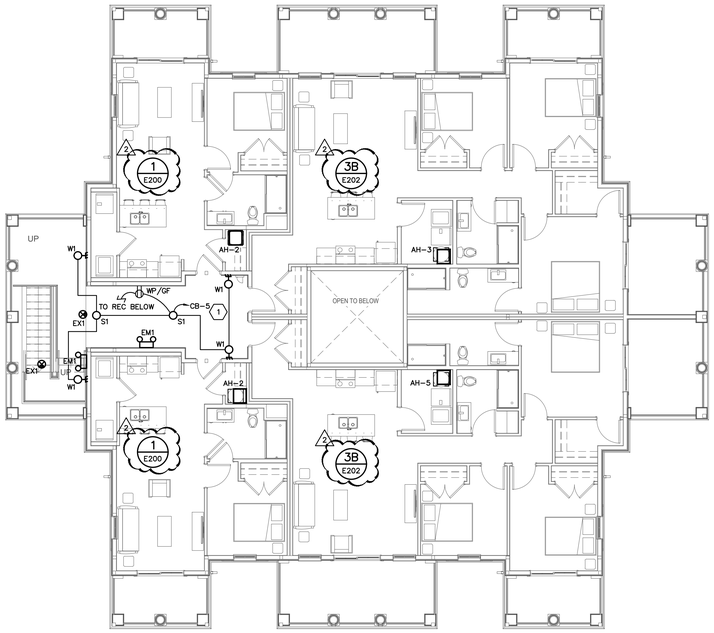
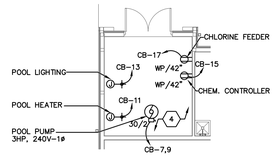
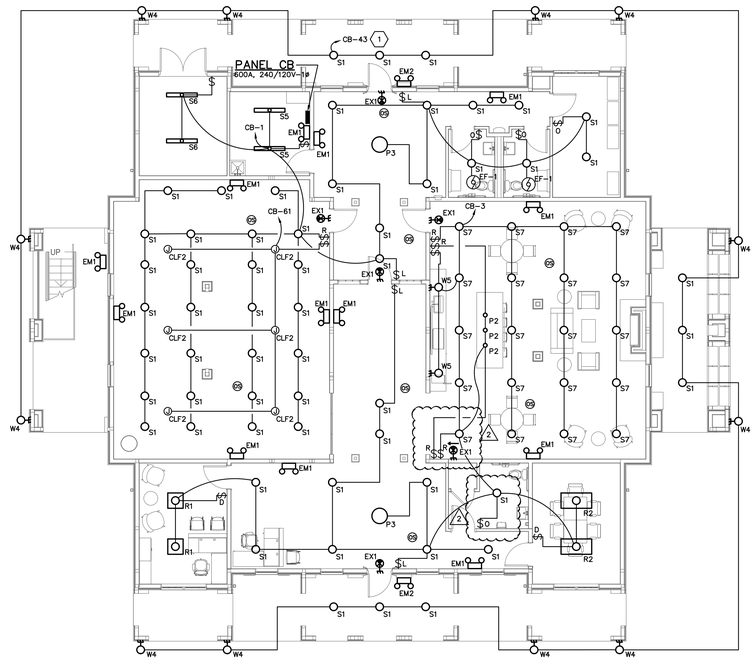


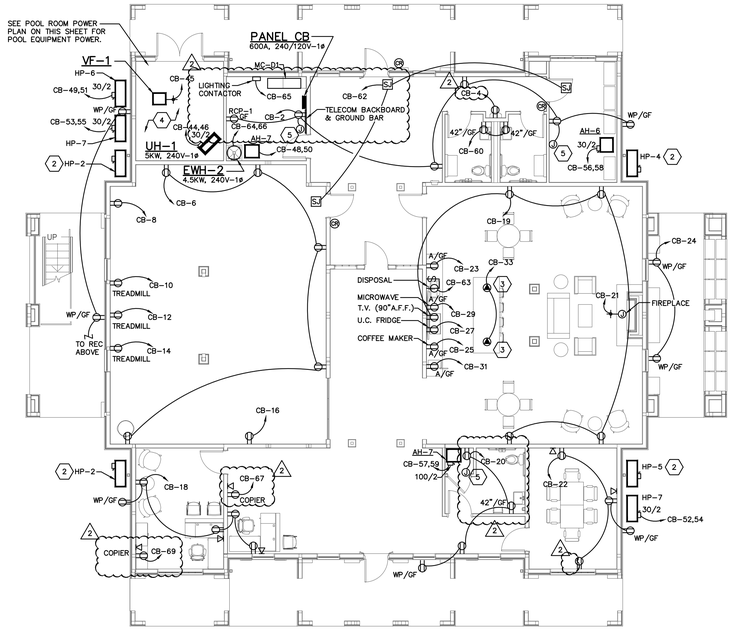
LEVEL 02 ELECTRICAL PLAN – BUILDING D
SCALE: 1/8"=1'-0"



POOL ROOM POWER PLAN
SCALE: 1/8"=1'-0"



LEVEL 01 LIGHTING PLAN – BUILDING D
SCALE: 1/8"=1'-0"



LEVEL 01 POWER PLAN – BUILDING D
SCALE: 1/8"=1'-0"

GENERAL NOTES

A. COORDINATE THE MOUNTING HEIGHT AND LOCATIONS OF THE ELECTRICAL DEVICES WITH ARCHITECTURAL ELEVATIONS AND GENERAL TRADES CONTRACTOR PRIOR TO ROUGH-IN. RECEPTACLES LOCATED WITHIN (6) SIX FEET OF A SINK SHALL BE GROUND FAULT INTERRUPTER (GFCI) TYPE RECEPTACLES. ALL RECEPTACLES IN KITCHENS, BREAK ROOMS, KITCHENETTES, ETC. SHALL BE GFCI PROTECTED. RECEPTACLES NOT READILY ACCESSIBLE THAT REQUIRE GFCI PROTECTION SHALL BE SO AT THE CIRCUIT BREAKER.

B. ALL BACKBOXES LOCATED IN RATED WALLS SHALL BE ENCASED IN FIRE PUTTY/SEALANT. ALL CONDUITS THAT PASS THROUGH RATED WALLS MUST BE FIRE SEALED ON BOTH SIDES OF THE WALL. COORDINATE WITH THE ARCHITECT'S DRAWINGS FOR LOCATIONS OF THE RATED WALLS.

C. VERIFY ALL NEMA CONFIGURATIONS OF ALL 240 VOLT RECEPTACLES PRIOR TO ORDERING/ROUGH-IN.

D. COORDINATE ALL RECEPTACLE AND SWITCH LOCATIONS IN AND ABOVE CABINETRY WITH OWNER/DEVELOPER AND ARCHITECTURAL PLANS PRIOR TO ROUGH-IN.

E. COORDINATE WALL THICKNESS WITH GENERAL TRADES CONTRACTOR. PROVIDE ADAPTER RING APPROPRIATE FOR WALL THICKNESS AND CABINET BACK PANEL.

F. PROVIDE A JUNCTION BOX FOR ALL CAMERAS, WAPS, AND CARD READERS TO MOUNT TO. COORDINATE FINAL LOCATION AND MOUNTING HEIGHT WITH OWNER. COORDINATE ALL ACCESS CONTROL REQUIREMENTS WITH SECURITY CONTRACTOR PRIOR TO ROUGH-IN.

G. ALL RECEPTACLES SHALL BE TAMPER RESISTANT UNLESS OTHERWISE NOTED.

H. COORDINATE ALL ELECTRICAL CONNECTIONS FOR POOL EQUIPMENT WITH POOL CONTRACTOR PRIOR TO ROUGH-IN.

I. REFER TO E200 SERIES SHEETS FOR ENLARGED UNIT PLANS.

J. OUTLET BOXES FOR LIGHT FIXTURES SHALL BE STANDARD OCTAGONAL.

K. REFER TO ARCHITECTURAL UNIT RCP'S, CORRIDORS, AND AMENITY SPACES FOR THE EXACT LOCATIONS OF ALL LIGHT FIXTURES. REFER TO ARCHITECTURAL ELEVATIONS FOR MOUNTING HEIGHTS OF WALL MOUNTED LIGHT FIXTURES/SCONCES.

L. UNLESS OTHERWISE NOTED OR SHOWN SWITCHED, ALL EMERGENCY FIXTURES AND EXIT SIGNS SHALL BE WIRED AHEAD OF ROOM SWITCHING TO MONITOR THE LOCAL LIGHTING CIRCUIT. EMERGENCY FIXTURES SHALL AUTOMATICALLY ILLUMINATE UPON THE LOSS OF UTILITY POWER. WIRE LIGHTING FIXTURES AND EXIT SIGNS IN THE BREEZEWAYS TO REMAIN ILLUMINATED AS NIGHT LIGHTS.

M. COORDINATE POWER REQUIREMENTS AND WIRING FOR CARD READERS WITH MANUFACTURERS INSTRUCTIONS. COORDINATE EXACT MOUNTING HEIGHT AND LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN. REFER TO ACCESS CONTROL DETAIL ON SHEET E401 FOR MORE DETAILS.

N. PROVIDE SECURITY JUNCTION BOX FOR EACH ACCESS CONTROL DOOR. LOCATE SECURITY JUNCTION BOXES IN ACCESSIBLE AND SECURE LOCATION.

O. ALL RECEPTACLES WITH SUBSCRIPT "A" SHALL BE MOUNTED ABOVE THE COUNTER. COORDINATE EXACT MOUNTING HEIGHT WITH ARCHITECT PRIOR TO ROUGH-IN.

CODED NOTES ⬡

1. WIRE FIXTURES THROUGH PHOTOCELL AND LIGHTING CONTACTOR FOR AUTOMATIC LIGHTING CONTROL. ELECTRICAL CONTRACTOR SHALL PROVIDE PHOTOCELL (EQUAL TO PRECISION MULTIPLE #ST-15) AND COORDINATE FINAL LOCATION WITH OWNER BASED ON BUILDING ORIENTATION. PHOTOCELL SHALL BE MOUNTED HIGH ON ROOF AND AIM NORTH.
2. HEAT PUMP POWERED FROM APARTMENT UNIT PANEL ON THE SECOND FLOOR, CIRCUIT A-10,12.
3. SURFACE MOUNTED POP-UP RECEPTACLE EQUAL TO HUBBELL #RCTE20BK. COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN.
4. COORDINATE ALL POOL POWER ROUGH-INS AND REQUIREMENTS WITH POOL CONTRACTOR PRIOR TO ORDERING EQUIPMENT. ALL WIRING DEVICES, SWITCHES, AND CONDUITS WITHIN POOL EQUIPMENT ROOM SHALL BE NEMA-4X, NON-METALLIC, AND CORROSION RESISTANT IN ACCORDANCE WITH NEC 680.12, 680.14, AND 300.6.
5. PROVIDE 120V CONNECTION TO OUTSIDE AIR FAN. COORDINATE FINAL LOCATION WITH HVAC CONTRACTOR. HVAC CONTRACTOR TO INTERLOCK FAN WITH AIR HANDLER.

#	DATE	CHANGE DESCRIPTION
1	06/10/2025	ADDENDUM# 01
2	06/25/2025	ADDENDUM# 02

COLUMBUS METROPOLITAN HOUSING AUTHORITY
COMMUNITY. COMMITMENT. COLLABORATION.

THE FALLS ON REFUGEE ROAD
3355 REFUGEE ROAD, COLUMBUS, OH 43232
FOR
CMHA

Moody Nolan
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: 614-461-4664
CERT. NO: FIRM 00197475

DRAWING TITLE:
BUILDING D - LEVEL 01 & 02 ELECTRICAL PLANS

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E107-D
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E107-D-24217.DWG

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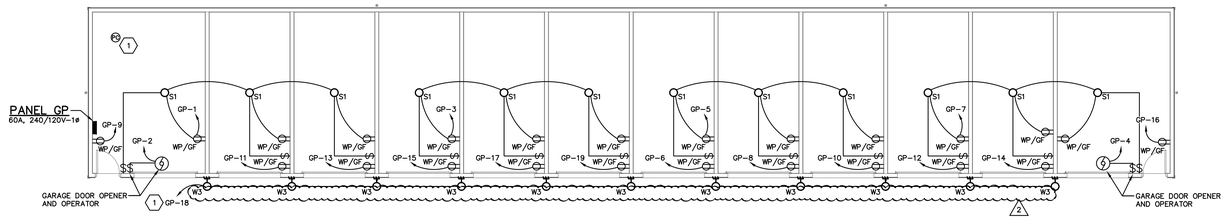
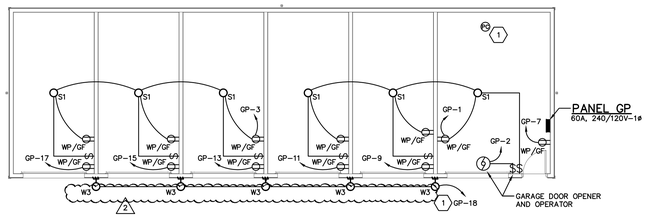


LEVEL 01 ELECTRICAL PLAN – GARAGE G2
SCALE: 1/8"=1'-0"



LEVEL 01 ELECTRICAL PLAN – GARAGE G1
SCALE: 1/8"=1'-0"

GENERAL NOTES

A. BRANCH CIRCUITS HOMERUNS TO BE IN MC CONDUIT.

B. ALL EXPOSED CONDUIT IN ROOMS HAVING NO CEILINGS/EXPOSED STRUCTURE TO BE MC CONDUIT RUN MINIMUM OF 1.5" BELOW ROOF.

C. ALL BRANCH CIRCUIT CONDUCTORS/RACEWAY SHALL BE NEW, BACK TO SOURCE PANELBOARD.

CODED NOTES ⬡

1. RUN CIRCUIT THROUGH EXTERIOR PHOTOCELL FOR AUTOMATIC CONTROL. PROVIDE EXTERIOR LIGHTING PHOTOCELL TO CONTROL EXTERIOR FIXTURES, EQUAL TO PRECISION #ST-15. MOUNT HIGH ON THE NORTH SIDE OF THE BUILDING FOR MAXIMUM EXPOSURE TO SUN AND OUT OF SITE FROM PUBLIC. COORDINATE FINAL LOCATION WITH THE ARCHITECT PRIOR TO ROUGH-IN.

#	DATE	CHANGE DESCRIPTION
1	06/10/2025	ADDENDUM# 01
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COLUMBUS METROPOLITAN HOUSING AUTHORITY
COMMUNITY. COMMITMENT. COLLABORATION.

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COLUMBUS, OHIO 43215
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CERT. NO: FIRM 00197475

DRAWING TITLE:
GARAGE BUILDING ELECTRICAL PLANS

E108-G-24217.DWG

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DESIGNED BY	DRAWN BY	CHECKED BY	JOB NUM.
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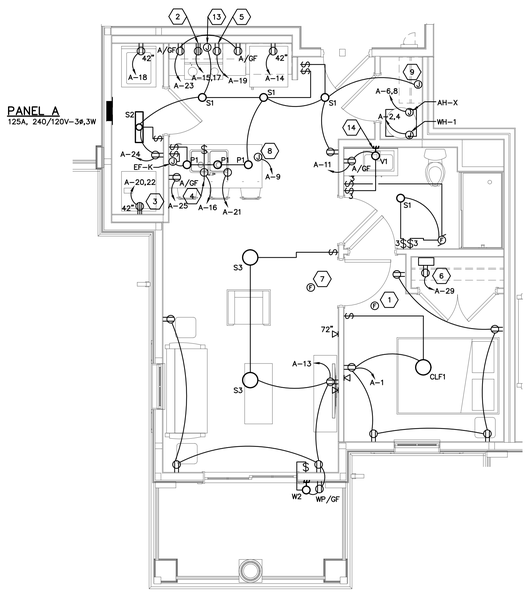
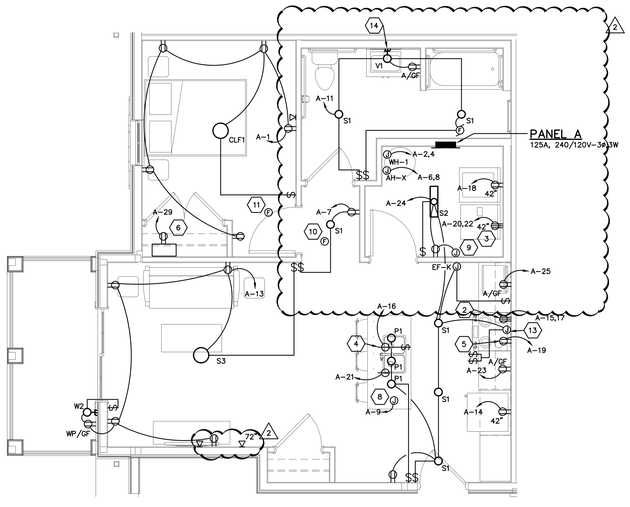


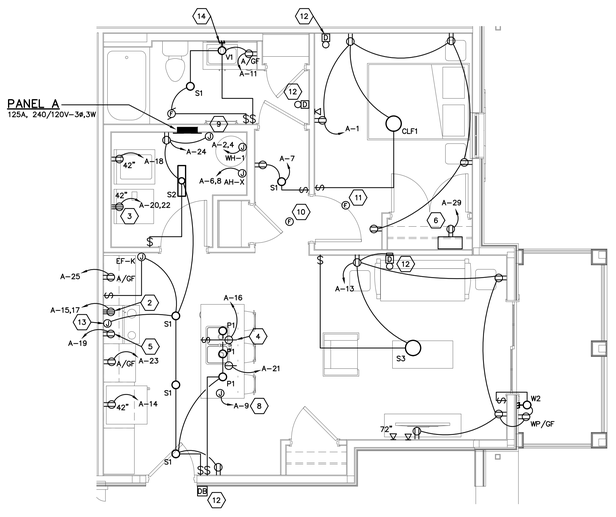
1 E200 — 1 BEDROOM CLUBHOUSE ELECTRICAL UNIT PLAN

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



1A E200 — 1 BEDROOM ANSI TYPE A ELECTRICAL UNIT PLAN

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



1B E200 — 1 BEDROOM ANSI TYPE B ELECTRICAL UNIT PLAN

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

GENERAL NOTES

A. COORDINATE EXACT LOCATION OF ALL LIGHT FIXTURES WITH OWNER/DEVELOPER PRIOR TO ROUGH-IN.

B. ELECTRICAL CONTRACTOR SHALL VERIFY ALL NEMA CONFIGURATIONS OF ALL 208V RECEPTACLES PRIOR TO ORDERING/ROUGH-IN.

C. ALL 15-AMP AND 20-AMP 120 VOLT CIRCUIT BREAKERS SHALL BE AFCI UNLESS NOTED OTHERWISE. ALL KITCHEN CIRCUIT BREAKERS AND LAUNDRY CIRCUIT BREAKERS SHALL BE DUAL FUNCTION AFCI/GFCI CIRCUIT BREAKERS UNLESS NOTED OTHERWISE.

D. ELECTRICAL CONTRACTOR SHALL PROVIDE GFCI TYPE RECEPTACLES FOR ALL BATHROOM OUTLETS, MOUNT ABOVE COUNTER BACKSPLASH UNLESS NOTED OTHERWISE.

E. COORDINATE ALL RECEPTACLE LOCATIONS IN AND ABOVE CABINETRY WITH OWNER/DEVELOPER PRIOR TO ROUGH-IN.

F. OUTLET BOXES FOR LIGHT FIXTURES SHALL BE STANDARD OCTAGONAL.

G. EACH UNIT ELECTRICAL PLAN REPRESENTS MULTIPLE APARTMENT UNITS WITH SIMILAR LAYOUTS. COORDINATE EXACT UNIT LAYOUT INCLUDING ELECTRICAL ROUGH-INS WITH ARCHITECTURAL AND STRUCTURAL DRAWING FOR EACH UNIT.

H. COORDINATE ALL KITCHEN ELECTRICAL OUTLET LOCATIONS WITH OWNER/DEVELOPER AND ARCHITECTURAL PLANS.

I. ALL OUTLETS IN DWELLING UNITS SHALL BE TAMPER-RESISTANT TYPE.

J. ELECTRICAL CONTRACTOR SHALL PROVIDE FIRE RATED PUTTY PADS ON ALL JUNCTION BOXES LOCATED IN FIRE RATED WALLS.

K. ELECTRICAL CONTRACTOR SHALL COORDINATE ALL SWITCH LOCATIONS WITH FRAMING MEMBERS PRIOR TO ROUGH-IN.

L. RECEPTACLE FOR REFRIGERATOR SHALL BE MOUNTED AT 42" AND PROVIDED WITH A GFCI CIRCUIT BREAKER.

M. RECEPTACLES WITH SUBSCRIPT "A" SHALL BE MOUNTED ABOVE THE COUNTER. COORDINATE EXACT HEIGHT WITH ARCHITECT PRIOR TO ROUGH-IN.

N. ALL SWITCHES IN APARTMENT UNITS SHALL BE ROCKER SWITCHES EQUAL TO HUBBELL #PS3115W. THREE WAY SWITCHES SHALL BE ROCKER SWITCHES EQUAL TO HUBBELL #PS3215W.

O. PANELBOARDS IN ALL ANSI TYPE A AND ANSI TYPE B UNITS SHALL BE MOUNTED SO THAT THE HIGHEST OPERABLE PART IS AT 48" A.F.F.

P. REFER TO BUILDING FLOORPLAN AND HVAC SHEETS FOR AIR HANDLER TYPE.

Q. DISHWASHER RECEPTACLE SHALL BE FLUSH MOUNTED AT 18 IN BASE CABINET ADJACENT TO DISHWASHER. (2)

CODED NOTES ⬡

1. CEILING MOUNTED SMOKE DETECTOR, 120 VOLT WITH BATTERY BACK-UP. BRK #3120B OR EQUAL. EXTEND CIRCUIT TO NEAREST 120 VOLT POWER SUPPLY AND MAKE FINAL CONNECTIONS. ALL SMOKE DETECTORS WITHIN A UNIT SHALL BE INTERLOCKED TO PROVIDE SIMULTANEOUS ALARMING.
2. PROVIDE 50A, 240V 14-50R RECEPTACLE FOR RANGE, MOUNT AT 42" A.F.F.
3. PROVIDE 30A, 240V 14-30R RECEPTACLE FOR DRYER. MOUNT AT 42" A.F.F.
4. GFCI RECEPTACLE IN BASE CABINET FOR GARBAGE DISPOSAL. COORDINATE EXACT LOCATIONS AND REQUIREMENTS WITH PLUMBING CONTRACTOR PRIOR TO ROUGH-IN. DISPOSAL TO BE OPERATED BY PLUG IN AIR SWITCH PROVIDED BY PLUMBING CONTRACTOR. DISPOSAL SWITCH MOUNTED INSIDE CABINET, COORDINATE LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN.
5. RECEPTACLE FOR MICROWAVE MOUNTED ABOVE COUNTER. VERIFY THE FINAL MOUNTING HEIGHT WITH THE GENERAL CONTRACTOR PRIOR TO ROUGH-IN.
6. ELECTRICAL CONTRACTOR SHALL PROVIDE PRIMEX SOHO PRO P300 FLUSH BOX FOR TELEPHONE/CCTV WITH (1) 1" CONDUIT FROM BOX OUT TO ABOVE CORRIDOR CEILING. PROVIDE RECEPTACLE INSIDE MEDIA BOX, MOUNT AT 90" A.F.F. COORDINATE CONDUIT ROUTING WITH OWNER AND GENERAL CONTRACTOR.
7. CEILING MOUNTED COMBINATION SMOKE/CO DETECTOR, 120 VOLT WITH BATTERY BACK-UP. BRK #SC7010B AND RELAY #RM4 OR EQUAL. EXTEND CIRCUIT TO NEAREST 120 VOLT POWER SUPPLY AND MAKE FINAL CONNECTIONS. RM4 RELAY SHALL BE MOUNTED NEAR AHU UNIT FOR TIE-IN. ALL SMOKE DETECTORS WITHIN AN APARTMENT UNIT SHALL BE INTERLOCKED TO PROVIDE SIMULTANEOUS ALARMING.
8. PROVIDE JUNCTION BOX INSIDE CASEWORK WITH #12 AWG AND #12 GND FOR FUTURE USE COUNTER TOP RECEPTACLE. CAP WIRING AND LABEL JUNCTION BOX FOR FUTURE USE. COORDINATE EXACT LOCATION OF JUNCTION BOX WITH ARCHITECT PRIOR TO ROUGH-IN.
9. PROVIDE 120V CONNECTION TO OUTSIDE AIR FAN. COORDINATE FINAL LOCATION WITH HVAC CONTRACTOR. HVAC CONTRACTOR TO INTERLOCK FAN WITH AIR HANDLER.
10. FOR ADA TYPE A UNITS AND SENSORY UNITS ONLY, PROVIDE CEILING MOUNTED COMBINATION PHOTOELECTRIC SMOKE/CO DETECTOR, 120 VOLT WITH BATTERY BACK-UP. BRK#7030BSL AND RELAY #RM4 OR EQUAL. EXTEND CIRCUIT TO NEAREST 120 VOLT POWER SUPPLY AND MAKE FINAL CONNECTIONS. RM4 RELAY SHALL BE MOUNTED NEAR AHU UNIT FOR TIE-IN BY HVAC CONTRACTOR. ALL SMOKE DETECTORS WITHIN AN APARTMENT UNIT SHALL BE INTERLOCKED TO PROVIDE SIMULTANEOUS ALARMING.
11. FOR ADA TYPE A UNITS AND SENSORY UNITS ONLY, PROVIDE CEILING MOUNTED SMOKE DETECTOR, 120 VOLT WITH BATTERY BACK-UP. BRK#7020BSL. EXTEND CIRCUIT TO NEAREST 120 VOLT POWER SUPPLY AND MAKE FINAL CONNECTIONS. ALL SMOKE DETECTORS WITHIN AN APARTMENT UNIT SHALL BE INTERLOCKED TO PROVIDE SIMULTANEOUS ALARMING.
12. IN SENSORY TYPE UNITS ONLY: PROVIDE EDWARDS 700S-G5 24 VOLT VISUAL DOORBELL SYSTEM OR EQUAL. LOCATE TRANSFORMER IN FLUSH MOUNTED JUNCTION BOX BEHIND DOOR CHIME, MOUNT AT 80". PROVIDE 120V CONNECTION TO TRANSFORMER. PROVIDE EDWARDS 620 PUSHBUTTON AT 42" ADJACENT TO FRONT DOOR. PROVIDE EDWARDS 89 SERIES XENON STROBES, OR EQUAL, IN THE LIVING ROOM, BATHROOM, AND BEDROOM, AND LOW VOLTAGE WIRING BACK TO THE TRANSFORMER. COORDINATE WITH ARCHITECT FOR DEVICE LOCATIONS PRIOR TO ROUGH-IN. COORDINATE DEVICE COLOR, FINISHES, AND COVER PLATES WITH ARCHITECT PRIOR TO ORDERING. REFER TO ARCHITECTURAL SHEET G011 FOR LOCATION AND QUANTITY OF SENSORY UNITS.
13. PROVIDE 120V CONNECTION TO RANGE HOOD. IN ADA UNITS ONLY, PROVIDE REMOTE SWITCHING IN ADJACENT CABINET FOR LIGHTING AND LOW/HIGH/OFF FAN CONTROL. COORDINATE FINAL LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN.
14. PROVIDE JUNCTION BOX BEHIND VANITY MIRROR FOR 120V CONNECTION. SEE MANUFACTURER INSTRUCTION FOR INSTALLATION REQUIREMENTS.

#	DATE	CHANGE DESCRIPTION
1	06/10/2025	ADDENDUM# 01
2	06/25/2025	ADDENDUM# 02

COLUMBUS METROPOLITAN HOUSING AUTHORITY
COMMUNITY. EXPERTISE. COLLABORATION.

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COLUMBUS, OHIO 43215
PHONE: 614-461-4664
CERT. NO: FIRM 00197475

DRAWING TITLE:
ENLARGED UNIT ELECTRICAL PLANS

E-200-24217.DWG

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DESIGNED BY	DRAWN BY	CHECKED BY	JOB NUM.
N. RUSSELL	N. RUSSELL	–	24217

PROGRESS DRAWING NOT FOR CONSTRUCTION

05/01/2025

23446

E-200

CD PROGRESS SET

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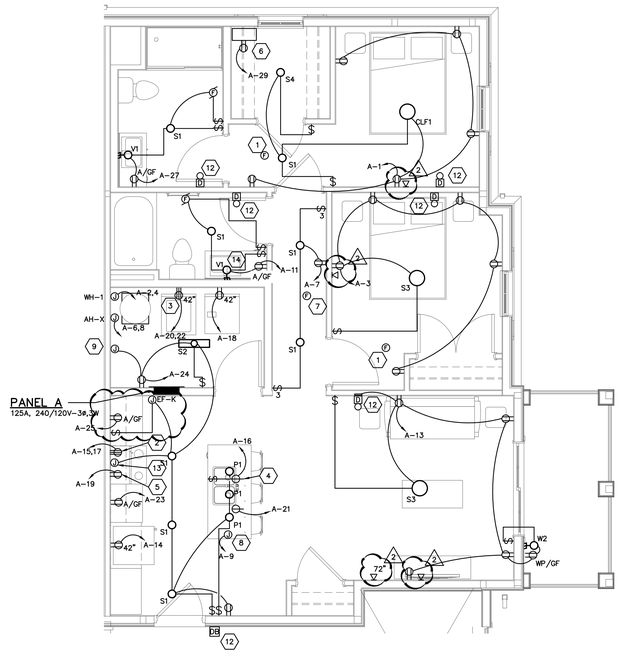
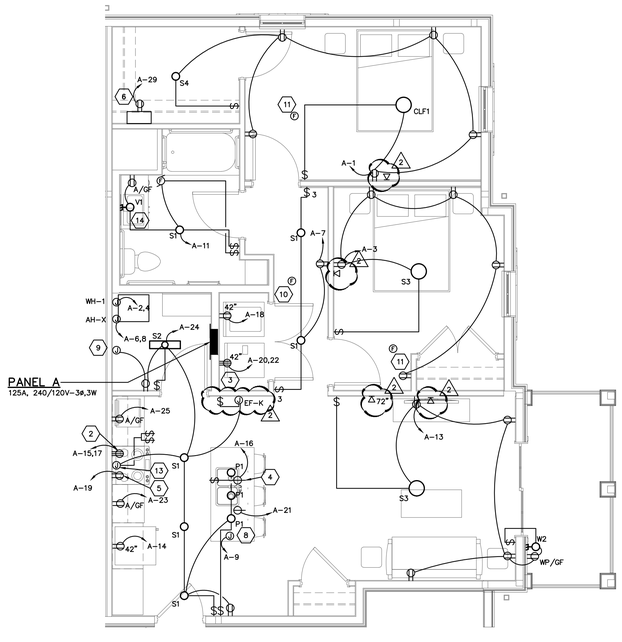
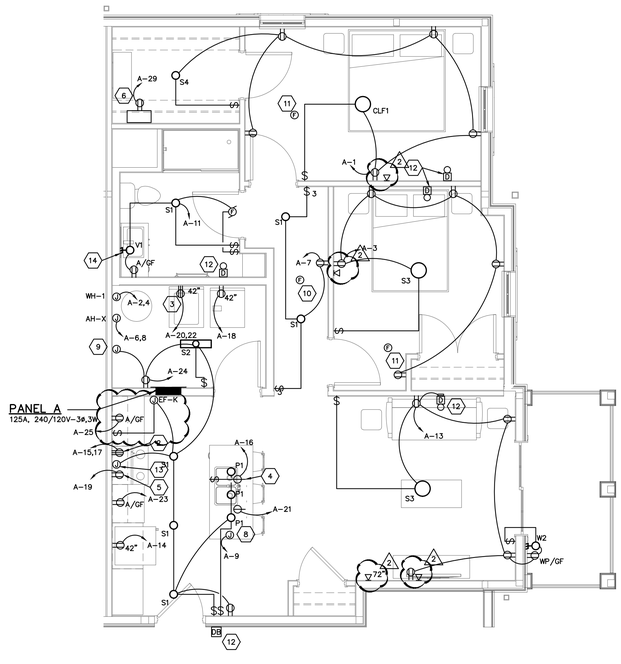


2 E201 — 2 BEDROOM 2 BA ELECTRICAL UNIT PLAN
SCALE: 1/4"=1'-0"



2A E201 — 2 BEDROOM ANSI TYPE A ELECTRICAL UNIT PLAN
SCALE: 1/4"=1'-0"



2B E201 — 2 BEDROOM ANSI TYPE B ELECTRICAL UNIT PLAN
SCALE: 1/4"=1'-0"

GENERAL NOTES

A. COORDINATE EXACT LOCATION OF ALL LIGHT FIXTURES WITH OWNER/DEVELOPER PRIOR TO ROUGH-IN.

B. ELECTRICAL CONTRACTOR SHALL VERIFY ALL NEMA CONFIGURATIONS OF ALL 208V RECEPTACLES PRIOR TO ORDERING/ROUGH-IN.

C. ALL 15-AMP AND 20-AMP 120 VOLT CIRCUIT BREAKERS SHALL BE AFCI UNLESS NOTED OTHERWISE. ALL KITCHEN CIRCUIT BREAKERS AND LAUNDRY CIRCUIT BREAKERS SHALL BE DUAL FUNCTION AFCI/GFCI CIRCUIT BREAKERS UNLESS NOTED OTHERWISE.

D. ELECTRICAL CONTRACTOR SHALL PROVIDE GFCI TYPE RECEPTACLES FOR ALL BATHROOM OUTLETS, MOUNT ABOVE COUNTER BACKSPLASH UNLESS NOTED OTHERWISE.

E. COORDINATE ALL RECEPTACLE LOCATIONS IN AND ABOVE CABINETRY WITH OWNER/DEVELOPER PRIOR TO ROUGH-IN.

F. OUTLET BOXES FOR LIGHT FIXTURES SHALL BE STANDARD OCTAGONAL.

G. EACH UNIT ELECTRICAL PLAN REPRESENTS MULTIPLE APARTMENT UNITS WITH SIMILAR LAYOUTS. COORDINATE EXACT UNIT LAYOUT INCLUDING ELECTRICAL ROUGH-INS WITH ARCHITECTURAL AND STRUCTURAL DRAWING FOR EACH UNIT.

H. COORDINATE ALL KITCHEN ELECTRICAL OUTLET LOCATIONS WITH OWNER/DEVELOPER AND ARCHITECTURAL PLANS.

I. ALL OUTLETS IN DWELLING UNITS SHALL BE TAMPER-RESISTANT TYPE.

J. ELECTRICAL CONTRACTOR SHALL PROVIDE FIRE RATED PUTTY PADS ON ALL JUNCTION BOXES LOCATED IN FIRE RATED WALLS.

K. ELECTRICAL CONTRACTOR SHALL COORDINATE ALL SWITCH LOCATIONS WITH FRAMING MEMBERS PRIOR TO ROUGH-IN.

L. RECEPTACLE FOR REFRIGERATOR SHALL BE MOUNTED AT 42" AND PROVIDED WITH A GFCI CIRCUIT BREAKER.

M. RECEPTACLES WITH SUBSCRIPT "A" SHALL BE MOUNTED ABOVE THE COUNTER. COORDINATE EXACT HEIGHT WITH ARCHITECT PRIOR TO ROUGH-IN.

N. ALL SWITCHES IN APARTMENT UNITS SHALL BE ROCKER SWITCHES EQUAL TO HUBBELL #PSS115W. THREE WAY SWITCHES SHALL BE ROCKER SWITCHES EQUAL TO HUBBELL #PSS315W.

O. PANELBOARDS IN ALL ANSI TYPE A AND ANSI TYPE B UNITS SHALL BE MOUNTED SO THAT THE HIGHEST OPERABLE PART IS AT 48" A.F.F.

P. REFER TO BUILDING FLOORPLAN AND HVAC SHEETS FOR AIR HANDLER TYPE. (A)

Q. DISHWASHER RECEPTACLE SHALL BE FLUSH MOUNTED AT 18" IN BASE CABINET ADJACENT TO DISHWASHER.

CODED NOTES ⬡

1. CEILING MOUNTED SMOKE DETECTOR, 120 VOLT WITH BATTERY BACK-UP. BRK #3120B OR EQUAL EXTEND CIRCUIT TO NEAREST 120 VOLT POWER SUPPLY AND MAKE FINAL CONNECTIONS. ALL SMOKE DETECTORS WITHIN A UNIT SHALL BE INTERLOCKED TO PROVIDE SIMULTANEOUS ALARMING.
2. PROVIDE 50A, 240V 14-50R RECEPTACLE FOR RANGE, MOUNT AT 42" A.F.F.
3. PROVIDE 30A, 240V 14-30R RECEPTACLE FOR DRYER. MOUNT AT 42" A.F.F.
4. GFCI RECEPTACLE IN BASE CABINET FOR GARBAGE DISPOSAL. COORDINATE EXACT LOCATIONS AND REQUIREMENTS WITH PLUMBING CONTRACTOR PRIOR TO ROUGH-IN. DISPOSAL TO BE OPERATED BY PLUG IN AIR SWITCH PROVIDED BY PLUMBING CONTRACTOR. DISPOSAL SWITCH MOUNTED INSIDE CABINET, COORDINATE LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN.
5. RECEPTACLE FOR MICROWAVE MOUNTED ABOVE COUNTER. VERIFY THE FINAL MOUNTING HEIGHT WITH THE GENERAL CONTRACTOR PRIOR TO ROUGH-IN.
6. ELECTRICAL CONTRACTOR SHALL PROVIDE PRIMEX SOHO PRO P300 FLUSH BOX FOR TELEPHONE/CCTV WITH (1) 1" CONDUIT FROM BOX OUT TO ABOVE CORRIDOR CEILING. PROVIDE RECEPTACLE INSIDE MEDIA BOX, MOUNT AT 90" A.F.F. COORDINATE CONDUIT ROUTING WITH OWNER AND GENERAL CONTRACTOR.
7. CEILING MOUNTED COMBINATION SMOKE/CO DETECTOR, 120 VOLT WITH BATTERY BACK-UP. BRK #SC7010B AND RELAY #RM4 OR EQUAL. EXTEND CIRCUIT TO NEAREST 120 VOLT POWER SUPPLY AND MAKE FINAL CONNECTIONS. RM4 RELAY SHALL BE MOUNTED NEAR AHU UNIT FOR TIE-IN. ALL SMOKE DETECTORS WITHIN AN APARTMENT UNIT SHALL BE INTERLOCKED TO PROVIDE SIMULTANEOUS ALARMING.
8. PROVIDE JUNCTION BOX INSIDE CASEWORK WITH #12 AWG AND #12 GND FOR FUTURE USE COUNTER TOP RECEPTACLE. CAP WIRING AND LABEL JUNCTION BOX FOR FUTURE USE. COORDINATE EXACT LOCATION OF JUNCTION BOX WITH ARCHITECT PRIOR TO ROUGH-IN.
9. PROVIDE 120V CONNECTION TO OUTSIDE AIR FAN. COORDINATE FINAL LOCATION WITH HVAC CONTRACTOR. HVAC CONTRACTOR TO INTERLOCK FAN WITH AIR HANDLER.
10. FOR ADA TYPE A UNITS AND SENSORY UNITS ONLY, PROVIDE CEILING MOUNTED COMBINATION PHOTOELECTRIC SMOKE/CO DETECTOR, 120 VOLT WITH BATTERY BACK-UP. BRK#7030BSL AND RELAY #RM4 OR EQUAL. EXTEND CIRCUIT TO NEAREST 120 VOLT POWER SUPPLY AND MAKE FINAL CONNECTIONS. RM4 RELAY SHALL BE MOUNTED NEAR AHU UNIT FOR TIE-IN BY HVAC CONTRACTOR. ALL SMOKE DETECTORS WITHIN AN APARTMENT UNIT SHALL BE INTERLOCKED TO PROVIDE SIMULTANEOUS ALARMING.
11. FOR ADA TYPE A UNITS AND SENSORY UNITS ONLY, PROVIDE CEILING MOUNTED SMOKE DETECTOR, 120 VOLT WITH BATTERY BACK-UP. BRK#7020BSL. EXTEND CIRCUIT TO NEAREST 120 VOLT POWER SUPPLY AND MAKE FINAL CONNECTIONS. ALL SMOKE DETECTORS WITHIN AN APARTMENT UNIT SHALL BE INTERLOCKED TO PROVIDE SIMULTANEOUS ALARMING.
12. IN SENSORY TYPE UNITS ONLY: PROVIDE EDWARDS 700S-G5 24 VOLT VISUAL DOORBELL SYSTEM OR EQUAL. LOCATE TRANSFORMER IN FLUSH MOUNTED JUNCTION BOX BEHIND DOOR CHIME, MOUNT AT 80". PROVIDE 120V CONNECTION TO TRANSFORMER. PROVIDE EDWARDS 620 PUSHBUTTON AT 42" ADJACENT TO FRONT DOOR. PROVIDE EDWARDS 89 SERIES XENON STROBES, OR EQUAL, IN THE LIVING ROOM, BATHROOM, AND BEDROOM, AND LOW VOLTAGE WIRING BACK TO THE TRANSFORMER. COORDINATE WITH ARCHITECT FOR DEVICE LOCATIONS PRIOR TO ROUGH-IN. COORDINATE DEVICE COLOR, FINISHES, AND COVER PLATES WITH ARCHITECT PRIOR TO ORDERING. REFER TO ARCHITECTURAL SHEET G011 FOR LOCATION AND QUANTITY OF SENSORY UNITS.
13. PROVIDE 120V CONNECTION TO RANGE HOOD. IN ADA UNITS ONLY, PROVIDE REMOTE SWITCHING IN ADJACENT CABINET FOR LIGHTING AND LOW/HIGH/OFF FAN CONTROL. COORDINATE FINAL LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN.
14. PROVIDE JUNCTION BOX BEHIND VANITY MIRROR FOR 120V CONNECTION. SEE MANUFACTURER INSTRUCTION FOR INSTALLATION REQUIREMENTS.

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COLUMBUS METROPOLITAN HOUSING AUTHORITY
COMMUNITY. DOWNTOWN. COLLABORATION.

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DRAWING TITLE:
ENLARGED UNIT ELECTRICAL PLANS

E-201-24217.DWG

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DESIGNED BY	DRAWN BY	CHECKED BY	JOB NUM.
N. RUSSELL	N. RUSSELL	–	24217

PROGRESS DRAWING NOT FOR CONSTRUCTION

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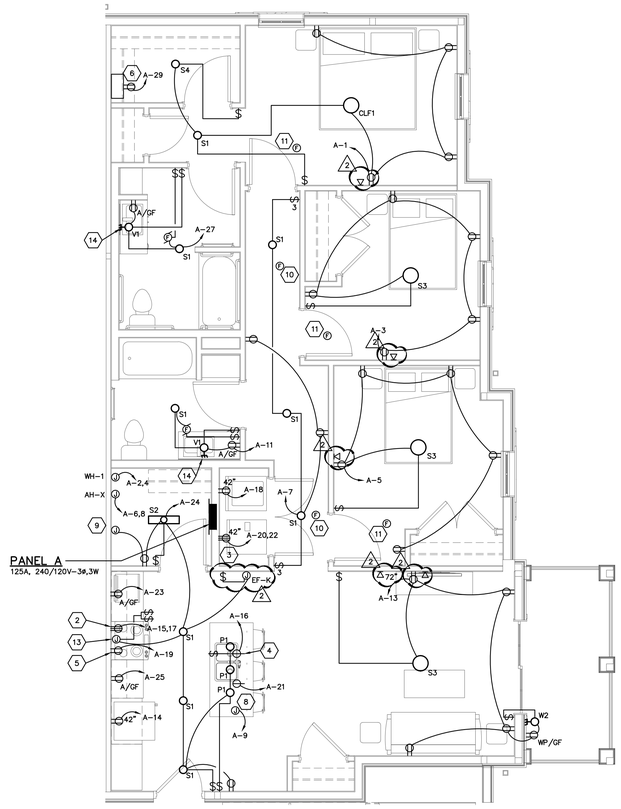
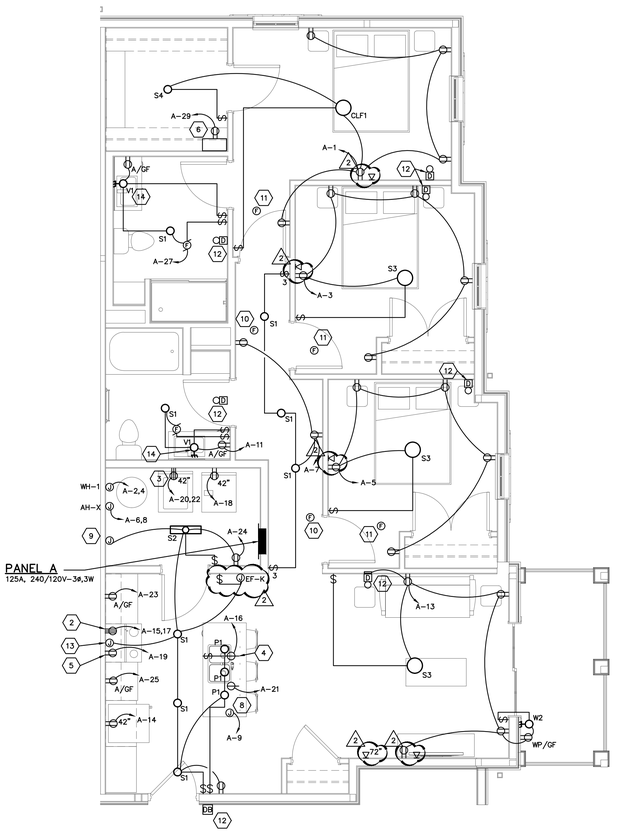
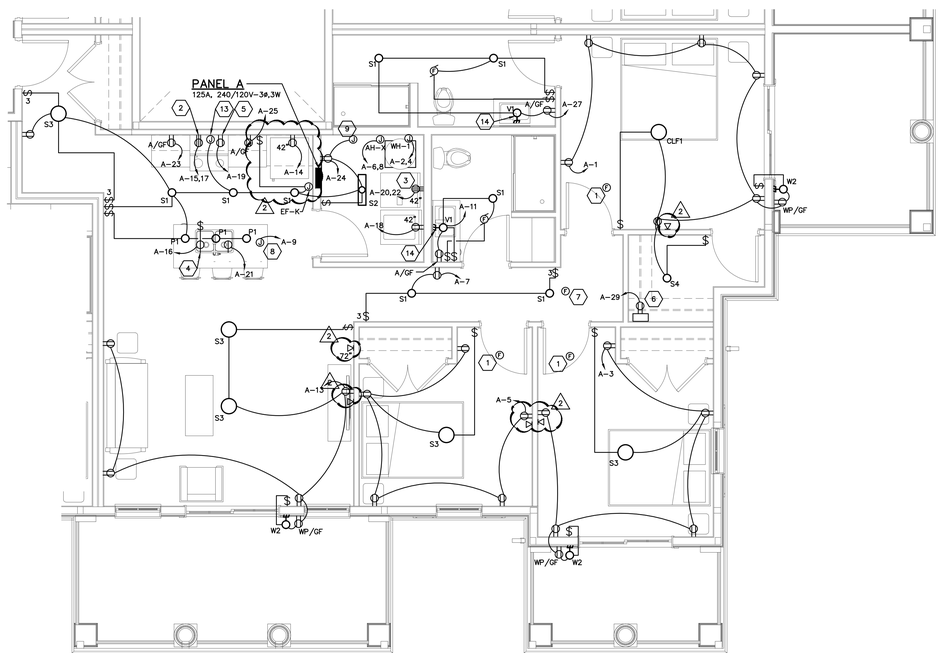


3A E202 3 BEDROOM ANSI TYPE A ELECTRICAL UNIT PLAN
SCALE: 1/4"=1'-0"



3 E202 3 BEDROOM ELECTRICAL UNIT PLAN
SCALE: 1/4"=1'-0"



3B E202 3 BEDROOM CLUBHOUSE ELECTRICAL PLAN
SCALE: 1/4"=1'-0"

GENERAL NOTES

A. COORDINATE EXACT LOCATION OF ALL LIGHT FIXTURES WITH OWNER/DEVELOPER PRIOR TO ROUGH-IN.

B. ELECTRICAL CONTRACTOR SHALL VERIFY ALL NEMA CONFIGURATIONS OF ALL 208V RECEPTACLES PRIOR TO ORDERING/ROUGH-IN.

C. ALL 15-AMP AND 20-AMP 120 VOLT CIRCUIT BREAKERS SHALL BE AFCI UNLESS NOTED OTHERWISE. ALL KITCHEN CIRCUIT BREAKERS AND LAUNDRY CIRCUIT BREAKERS SHALL BE DUAL FUNCTION AFCI/GFCI CIRCUIT BREAKERS UNLESS NOTED OTHERWISE.

D. ELECTRICAL CONTRACTOR SHALL PROVIDE GFCI TYPE RECEPTACLES FOR ALL BATHROOM OUTLETS, MOUNT ABOVE COUNTER BACKSPLASH UNLESS NOTED OTHERWISE.

E. COORDINATE ALL RECEPTACLE LOCATIONS IN AND ABOVE CABINETRY WITH OWNER/DEVELOPER PRIOR TO ROUGH-IN.

F. OUTLET BOXES FOR LIGHT FIXTURES SHALL BE STANDARD OCTAGONAL.

G. EACH UNIT ELECTRICAL PLAN REPRESENTS MULTIPLE APARTMENT UNITS WITH SIMILAR LAYOUTS. COORDINATE EXACT UNIT LAYOUT INCLUDING ELECTRICAL ROUGH-INS WITH ARCHITECTURAL AND STRUCTURAL DRAWING FOR EACH UNIT.

H. COORDINATE ALL KITCHEN ELECTRICAL OUTLET LOCATIONS WITH OWNER/DEVELOPER AND ARCHITECTURAL PLANS.

I. ALL OUTLETS IN DWELLING UNITS SHALL BE TAMPER-RESISTANT TYPE.

J. ELECTRICAL CONTRACTOR SHALL PROVIDE FIRE RATED PUTTY PADS ON ALL JUNCTION BOXES LOCATED IN FIRE RATED WALLS.

K. ELECTRICAL CONTRACTOR SHALL COORDINATE ALL SWITCH LOCATIONS WITH FRAMING MEMBERS PRIOR TO ROUGH-IN.

L. RECEPTACLE FOR REFRIGERATOR SHALL BE MOUNTED AT 42" AND PROVIDED WITH A GFCI CIRCUIT BREAKER.

M. RECEPTACLES WITH SUBSCRIPT "A" SHALL BE MOUNTED ABOVE THE COUNTER. COORDINATE EXACT HEIGHT WITH ARCHITECT PRIOR TO ROUGH-IN.

N. ALL SWITCHES IN APARTMENT UNITS SHALL BE ROCKER SWITCHES EQUAL TO HUBBELL #PSS115W. THREE WAY SWITCHES SHALL BE ROCKER SWITCHES EQUAL TO HUBBELL #PSD315W.

O. PANELBOARDS IN ALL ANSI TYPE A AND ANSI TYPE B UNITS SHALL BE MOUNTED SO THAT THE HIGHEST OPERABLE PART IS AT 48" A.F.F.

P. REFER TO BUILDING FLOORPLAN AND HVAC SHEETS FOR AIR HANDLER TYPE.

Q. DISHWASHER RECEPTACLE SHALL BE FLUSH MOUNTED AT 18" IN BASE CABINET ADJACENT TO DISHWASHER. (A)

CODED NOTES ⬡

1. CEILING MOUNTED SMOKE DETECTOR, 120 VOLT WITH BATTERY BACK-UP. BRK #5120B OR EQUAL. EXTEND CIRCUIT TO NEAREST 120 VOLT POWER SUPPLY AND MAKE FINAL CONNECTIONS. ALL SMOKE DETECTORS WITHIN A UNIT SHALL BE INTERLOCKED TO PROVIDE SIMULTANEOUS ALARMING.
2. PROVIDE 50A, 240V 14-50R RECEPTACLE FOR RANGE, MOUNT AT 42" A.F.F.
3. PROVIDE 30A, 240V 14-30R RECEPTACLE FOR DRYER. MOUNT AT 42" A.F.F.
4. GFCI RECEPTACLE IN BASE CABINET FOR GARBAGE DISPOSAL. COORDINATE EXACT LOCATIONS AND REQUIREMENTS WITH PLUMBING CONTRACTOR PRIOR TO ROUGH-IN. DISPOSAL TO BE OPERATED BY PLUG IN AIR SWITCH PROVIDED BY PLUMBING CONTRACTOR. DISPOSAL SWITCH MOUNTED INSIDE CABINET, COORDINATE LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN.
5. RECEPTACLE FOR MICROWAVE MOUNTED ABOVE COUNTER. VERIFY THE FINAL MOUNTING HEIGHT WITH THE GENERAL CONTRACTOR PRIOR TO ROUGH-IN.
6. ELECTRICAL CONTRACTOR SHALL PROVIDE PRIMEX SOHO PRO P300 FLUSH BOX FOR TELEPHONE/CCTV WITH (1) 1" CONDUIT FROM BOX OUT TO ABOVE CORRIDOR CEILING. PROVIDE RECEPTACLE INSIDE MEDIA BOX, MOUNT AT 90" A.F.F. COORDINATE CONDUIT ROUTING WITH OWNER AND GENERAL CONTRACTOR.
7. CEILING MOUNTED COMBINATION SMOKE/CO DETECTOR, 120 VOLT WITH BATTERY BACK-UP. BRK #SC7010B AND RELAY #RM4 OR EQUAL. EXTEND CIRCUIT TO NEAREST 120 VOLT POWER SUPPLY AND MAKE FINAL CONNECTIONS. RM4 RELAY SHALL BE MOUNTED NEAR AHU UNIT FOR TIE-IN. ALL SMOKE DETECTORS WITHIN AN APARTMENT UNIT SHALL BE INTERLOCKED TO PROVIDE SIMULTANEOUS ALARMING.
8. PROVIDE JUNCTION BOX INSIDE CASEWORK WITH #12 AWG AND #12 GND FOR FUTURE USE COUNTER TOP RECEPTACLE. CAP WIRING AND LABEL JUNCTION BOX FOR FUTURE USE. COORDINATE EXACT LOCATION OF JUNCTION BOX WITH ARCHITECT PRIOR TO ROUGH-IN.
9. PROVIDE 120V CONNECTION TO OUTSIDE AIR FAN. COORDINATE FINAL LOCATION WITH HVAC CONTRACTOR. HVAC CONTRACTOR TO INTERLOCK FAN WITH AIR HANDLER.
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11. FOR ADA TYPE A UNITS AND SENSORY UNITS ONLY, PROVIDE CEILING MOUNTED SMOKE DETECTOR, 120 VOLT WITH BATTERY BACK-UP. BRK#7020BSL. EXTEND CIRCUIT TO NEAREST 120 VOLT POWER SUPPLY AND MAKE FINAL CONNECTIONS. ALL SMOKE DETECTORS WITHIN AN APARTMENT UNIT SHALL BE INTERLOCKED TO PROVIDE SIMULTANEOUS ALARMING.
12. IN SENSORY TYPE UNITS ONLY: PROVIDE EDWARDS 700S-G5 24 VOLT VISUAL DOORBELL SYSTEM OR EQUAL. LOCATE TRANSFORMER IN FLUSH MOUNTED JUNCTION BOX BEHIND DOOR CHIME, MOUNT AT 80". PROVIDE 120V CONNECTION TO TRANSFORMER. PROVIDE EDWARDS 620 PUSHBUTTON AT 42" ADJACENT TO FRONT DOOR. PROVIDE EDWARDS 89 SERIES XENON STROBES, OR EQUAL, IN THE LIVING ROOM, BATHROOM, AND BEDROOM, AND LOW VOLTAGE WIRING BACK TO THE TRANSFORMER. COORDINATE WITH ARCHITECT FOR DEVICE LOCATIONS PRIOR TO ROUGH-IN. COORDINATE DEVICE COLOR, FINISHES, AND COVER PLATES WITH ARCHITECT PRIOR TO ORDERING. REFER TO ARCHITECTURAL SHEET G011 FOR LOCATION AND QUANTITY OF SENSORY UNITS.
13. PROVIDE 120V CONNECTION TO RANGE HOOD. IN ADA UNITS ONLY, PROVIDE REMOTE SWITCHING IN ADJACENT CABINET FOR LIGHTING AND LOW/HIGH/OFF FAN CONTROL. COORDINATE FINAL LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN.
14. PROVIDE JUNCTION BOX BEHIND VANITY MIRROR FOR 120V CONNECTION. SEE MANUFACTURER INSTRUCTION FOR INSTALLATION REQUIREMENTS.

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COMMUNITY. CONNECTIONS. COLLABORATION.

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PHONE: 614-461-4664
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E-202-24217.DWG

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DESIGNED BY	DRAWN BY	CHECKED BY	JOB NUM.
N. RUSSELL	N. RUSSELL	–	24217

PROGRESS DRAWING NOT FOR CONSTRUCTION

05/01/2025
23446
E-202
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CONDUIT & WIRE SCHEDULE
BRANCH CIRCUITS

	WIRE SIZE	2 WIRE+GROUND	3 WIRE+GROUND	4 WIRE+GROUND
15A	#12, #12 GRD.	3/4" CONDUIT	3/4" CONDUIT	3/4" CONDUIT
20A	#12, #12 GRD.	3/4" CONDUIT	3/4" CONDUIT	3/4" CONDUIT
25A	#10, #10 GRD.	3/4" CONDUIT	3/4" CONDUIT	3/4" CONDUIT
30A	#10, #10 GRD.	3/4" CONDUIT	3/4" CONDUIT	3/4" CONDUIT
35A	#8, #10 GRD.	3/4" CONDUIT	3/4" CONDUIT	3/4" CONDUIT
40A	#8, #10 GRD.	3/4" CONDUIT	3/4" CONDUIT	3/4" CONDUIT
45A	#6, #10 GRD.	3/4" CONDUIT	3/4" CONDUIT	3/4" CONDUIT
50A	#6, #10 GRD.	3/4" CONDUIT	3/4" CONDUIT	1" CONDUIT
60A	#4, #10 GRD.	1" CONDUIT	1" CONDUIT	1-1/4" CONDUIT
70A	#4, #8 GRD.	1" CONDUIT	1" CONDUIT	1-1/4" CONDUIT
80A	#3, #8 GRD.	1-1/4" CONDUIT	1-1/4" CONDUIT	1-1/4" CONDUIT
90A	#2, #8 GRD.	1-1/4" CONDUIT	1-1/4" CONDUIT	1-1/4" CONDUIT

NOTES:
WIRE SIZE BASED UPON THWN COPPER WIRING, EMT CONDUIT.
PROVIDE WIRE FOR EACH PHASE, NEUTRAL, AND GROUND AS NOTED.
BRANCH CIRCUIT WIRING SHALL MATCH CIRCUIT BREAKER/FUSE SIZE.

VOLTAGE DROP: 120V, 20A BRANCH CIRCUITS (3% VD)
– USE #12 FOR UP TO 60 FT, #10 FROM 61 FT TO 100 FT, #8 FROM 101 FT TO 150 FT.

FEEDER SCHEDULE

DESIG.	C.B. OR FUSE SIZE	FEEDER SIZE
1		(2) EMPTY 4" CONDUITS UNDERGROUND SERVICE CABLE BY AEP COORDINATE WITH AEP
2		(2) EMPTY 3" CONDUITS URD PRIMARY CABLE BY AEP COORDINATE WITH AEP
3	225 AMP	3 – 300 KCMIL ALUMINUM + 2 – 2.5"
4	60 AMP	3 – #3 CU. + #8 CU. – 1.25"

WIRING LEGEND
4 – 350 + 350 – 3"
NO. OF CONDUCTORS
SIZE OF CONDUCTORS
SIZE OF CONDUIT
SIZE OF GROUND CONDUCTOR

GENERAL NOTES

A. COMPACT ALUMINUM MAY BE USED FOR PANEL FEEDERS WHERE APPROVED BY OWNER IN VE DISCUSSIONS. EC SHALL SIZE FEEDER WIRING AND CONDUIT AS NECESSARY TO MATCH BASIS OF DESIGN COPPER AMPS, AND SHALL COORDINATE ALL EQUIPMENT LUG SIZES WITH MANUFACTURER TO ENSURE PROPER FIT.

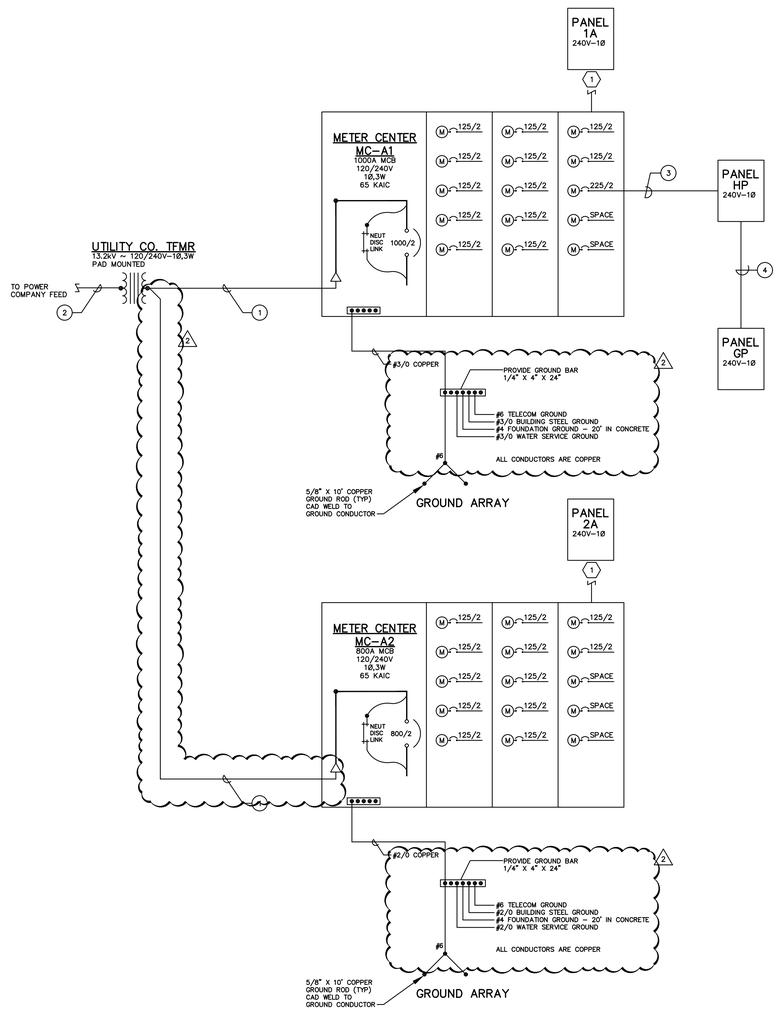
CODED NOTES ⬡

1. PROVIDE A FEEDER TO EACH APARTMENT. SEE APARTMENT FEEDER NOTES ON THIS SHEET.

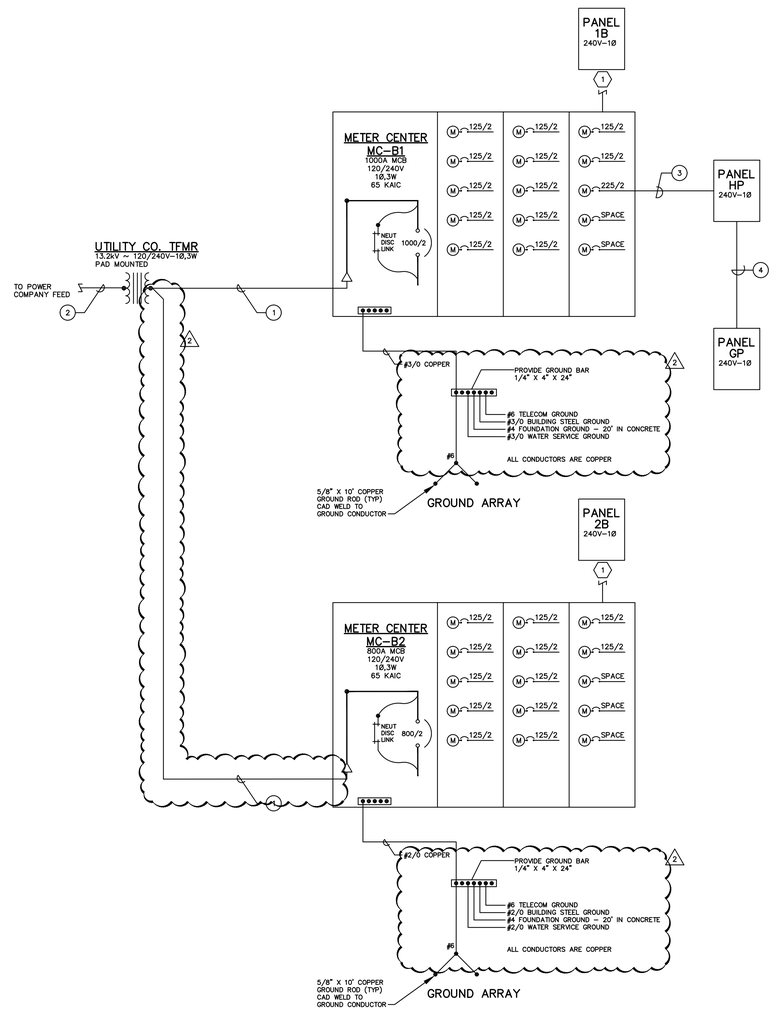
APARTMENT FEEDERS

1. ALL 125 AMP APARTMENTS FEEDERS UNDER 150' IN LENGTH SHALL BE FED WITH (3) #1/0 ALUM WITH (1) #4 ALUM GROUND SER CABLE.
2. ALL 125 AMP APARTMENT FEEDERS BETWEEN 150' AND 200' IN LENGTH SHALL BE FED WITH (3) #2/0 ALUM WITH (1) #4 ALUM GROUND SER CABLE.
3. ALL 150 AMP APARTMENT FEEDERS UNDER 150' IN LENGTH SHALL BE FED WITH (3) #2/0 ALUM WITH (1) #4 ALUM GROUND SER CABLE.
4. ALL 150 AMP APARTMENT FEEDERS BETWEEN 150' AND 200' IN LENGTH SHALL BE FED WITH (3) #3/0 ALUM WITH (1) #4 ALUM GROUND SER CABLE.

THIS CONTRACTOR IS RESPONSIBLE FOR TORQUING ALL ALUMINUM CONDUCTORS PER MANUFACTURER'S PUBLISHED TORQUE REQUIREMENTS. THIS CONTRACTOR SHALL COORDINATE ALL EQUIPMENT LUG SIZES TO ACCEPT FEEDER CONDUCTORS NOTED ABOVE, OR TRANSITION TO STANDARD SIZE CONDUCTORS WITHIN EQUIPMENT GUTTERS/SPLICE COMPARTMENTS.



TYPICAL BUILDING A
ELECTRICAL ONE–LINE DIAGRAM
SCALE: NONE



TYPICAL BUILDING B
ELECTRICAL ONE–LINE DIAGRAM
SCALE: NONE

E–300–24217.DWG

PRATER
Engineering Associates, Inc.
6130 Wilcox Road
Dublin, Ohio 43016
(614) 766 4896
FAX: (614) 766 2354

DESIGNED BY	DRAWN BY	CHECKED BY	JOB NUM.
N. RUSSELL	N. RUSSELL	–	24217

#	DATE	CHANGE DESCRIPTION
1	06/10/2025	ADDENDUM# 01
2	06/25/2025	ADDENDUM# 02

COLUMBUS METROPOLITAN HOUSING AUTHORITY
COMMUNITY. COMMITMENT. COLLABORATION.

THE FALLS ON REFUGEE ROAD
3355 REFUGEE ROAD. COLUMBUS, OH 43232
FOR
CMHA

Moody Nolan
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: 614-461-4664
CERT. NO: FIRM 00197475

DRAWING TITLE:
ELECTRICAL
ONE-LINE DIAGRAMS

PROGRESS DRAWING NOT FOR CONSTRUCTION

05/01/2025

23446

E-300

CD PROGRESS SET

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CONDUIT & WIRE SCHEDULE
BRANCH CIRCUITS

	WIRE SIZE	2 WIRE+GROUND	3 WIRE+GROUND	4 WIRE+GROUND
15A	#12, #12 GRD.	3/4" CONDUIT	3/4" CONDUIT	3/4" CONDUIT
20A	#12, #12 GRD.	3/4" CONDUIT	3/4" CONDUIT	3/4" CONDUIT
25A	#10, #10 GRD.	3/4" CONDUIT	3/4" CONDUIT	3/4" CONDUIT
30A	#10, #10 GRD.	3/4" CONDUIT	3/4" CONDUIT	3/4" CONDUIT
35A	#8, #10 GRD.	3/4" CONDUIT	3/4" CONDUIT	3/4" CONDUIT
40A	#8, #10 GRD.	3/4" CONDUIT	3/4" CONDUIT	3/4" CONDUIT
45A	#6, #10 GRD.	3/4" CONDUIT	3/4" CONDUIT	3/4" CONDUIT
50A	#6, #10 GRD.	3/4" CONDUIT	3/4" CONDUIT	1" CONDUIT
60A	#4, #10 GRD.	1" CONDUIT	1" CONDUIT	1-1/4" CONDUIT
70A	#4, #8 GRD.	1" CONDUIT	1" CONDUIT	1-1/4" CONDUIT
80A	#3, #8 GRD.	1-1/4" CONDUIT	1-1/4" CONDUIT	1-1/4" CONDUIT
90A	#2, #8 GRD.	1-1/4" CONDUIT	1-1/4" CONDUIT	1-1/4" CONDUIT

NOTES:
WIRE SIZE BASED UPON THWN COPPER WIRING, EMT CONDUIT.
PROVIDE WIRE FOR EACH PHASE, NEUTRAL, AND GROUND AS NOTED.
BRANCH CIRCUIT WIRING SHALL MATCH CIRCUIT BREAKER/FUSE SIZE.

VOLTAGE DROP: 120V, 20A BRANCH CIRCUITS (3% VD)
– USE #12 FOR UP TO 60 FT, #10 FROM 61 FT TO 100 FT, #8 FROM 101 FT TO 150 FT.

FEEDER SCHEDULE

DESIG.	C.B. OR FUSE SIZE	FEEDER SIZE
1		(2) EMPTY 4" CONDUITS URD SERVICE CABLE BY AEP COORDINATE WITH AEP
2		(2) EMPTY 3" CONDUITS URD PRIMARY CABLE BY AEP COORDINATE WITH AEP
3	225 AMP	3 – 300 KCMIL ALU. + 2 – 2.5"
4	600 AMP	2 SETS OF (3 – 500 KCMIL ALU. + 2/0 – 4")
5	60 AMP	3 – #3 CU. + #8 CU. – 1.25"

WIRING LEGEND
4 – 350 + 350 – 3"
NO. OF CONDUCTORS
SIZE OF CONDUCTORS
SIZE OF CONDUIT
SIZE OF GROUND CONDUCTOR

GENERAL NOTES

A. COMPACT ALUMINUM MAY BE USED FOR PANEL FEEDERS WHERE APPROVED BY OWNER IN VE DISCUSSIONS. EC SHALL SIZE FEEDER WIRING AND CONDUIT AS NECESSARY TO MATCH BASIS OF DESIGN COPPER AMPS, AND SHALL COORDINATE ALL EQUIPMENT LUG SIZES WITH MANUFACTURER TO ENSURE PROPER FIT.

CODED NOTES ⬡

1. PROVIDE A FEEDER TO EACH APARTMENT. SEE APARTMENT FEEDER NOTES ON THIS SHEET.

APARTMENT FEEDERS

1. ALL 125 AMP APARTMENTS FEEDERS UNDER 150' IN LENGTH SHALL BE FED WITH (3) #1/0 ALUM WITH (1) #4 ALUM GROUND SER CABLE.
2. ALL 125 AMP APARTMENT FEEDERS BETWEEN 150' AND 200' IN LENGTH SHALL BE FED WITH (3) #2/0 ALUM WITH (1) #4 ALUM GROUND SER CABLE.
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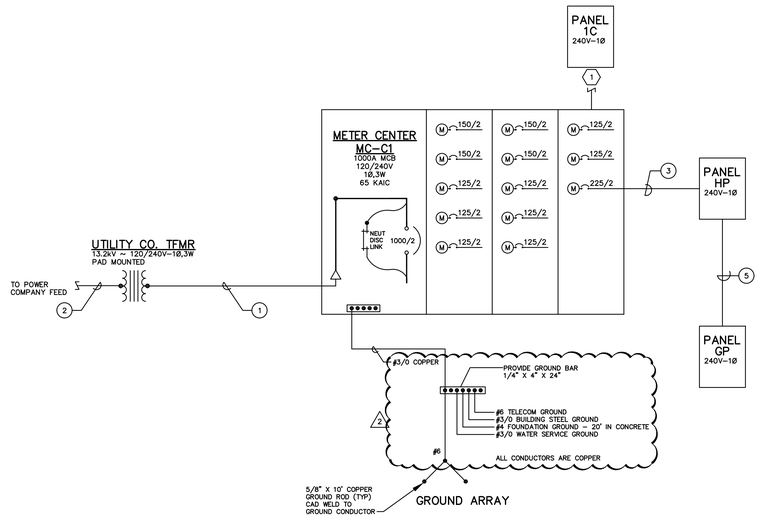
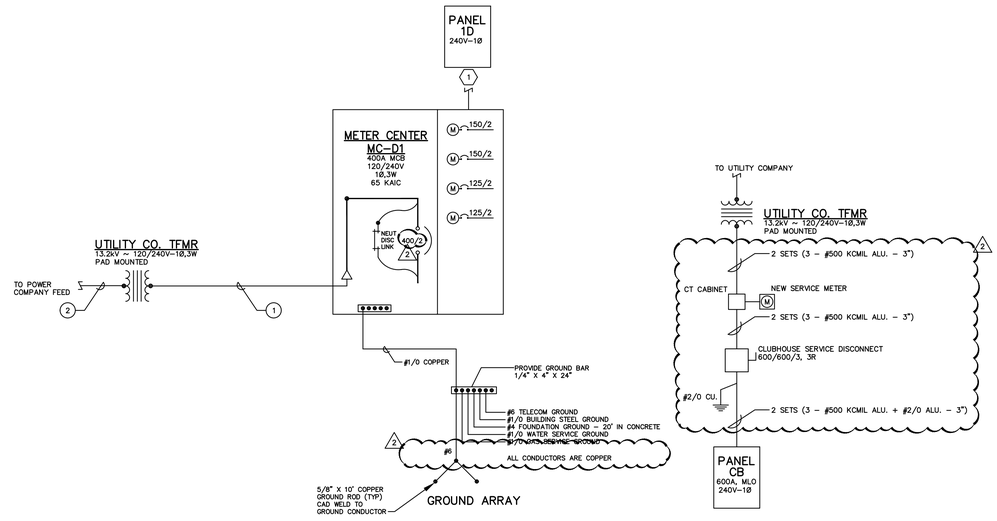


TYPICAL BUILDING C
ELECTRICAL ONE–LINE DIAGRAM
SCALE: NONE



CLUBHOUSE
ELECTRICAL ONE–LINE DIAGRAM
SCALE: NONE

#	DATE	CHANGE DESCRIPTION
1	06/10/2025	ADDENDUM# 01
2	06/25/2025	ADDENDUM# 02

COLUMBUS METROPOLITAN HOUSING AUTHORITY
COMMUNITY. COMMITMENT. COLLABORATION.

THE FALLS ON REFUGEE ROAD
3355 REFUGEE ROAD, COLUMBUS, OH 43232
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PROGRESS DRAWING NOT FOR CONSTRUCTION

05/01/2025
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E-301
CD PROGRESS SET

E-301-24217.DWG

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6130 Wilcox Road
Dublin, Ohio 43016
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DESIGNED BY	DRAWN BY	CHECKED BY	JOB NUM.
N. RUSSELL	N. RUSSELL	–	24217

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Mixed Use

Per NEC Article 220.82 (A), (B), & (C)

Apartment Load Tabulations

PANELBOARD/FEEDER SIZE	125 AMPS	125 AMPS	125 AMPS	125 AMPS	125 AMPS	125 AMPS
UNIT TYPE/AH SIZE	1 Bed - AH-1	1 Bed - AH-3	2 Bed - AH-1	2 Bed - AH-2/4	2 Bed - AH-3	3 Bed - AH-2/4
UNIT AREA (SQ. FT) =	673	673	945	945	945	1,209
SQ. FT x 3VA =	2,019	2,019	2,835	2,835	2,835	3,627
2 SMALL APPLIANCE CKT =	3,000	3,000	3,000	3,000	3,000	3,000
LAUNDRY =	1,500	1,500	1,500	1,500	1,500	1,500
WATER HEATER =	4,500	4,500	4,500	4,500	4,500	4,500
DISPOSAL =	864	864	864	864	864	864
DISHWASHER =	1,400	1,400	1,400	1,400	1,400	1,400
DRYER =	3,500	3,500	3,500	3,500	3,500	3,500
RANGE = +	8,000	8,000	8,000	8,000	8,000	8,000
TOTAL =	24,783	24,783	25,599	25,599	25,599	26,391
1ST 10KVA @ 100% =	10,000	10,000	10,000	10,000	10,000	10,000
REMAINDER @ 40% = +	5,913	5,913	6,240	6,240	6,240	6,556
TOTAL =	15,913	15,913	16,240	16,240	16,240	16,556
FURNACE MOTOR =	603	603	603	603	603	603
FURNACE HEAT =	5,000	5,000	5,000	7,500	5,000	7,500
HEAT PUMP = +	3,840	4,560	3,840	4,560	4,560	4,560
PANEL DEMAND LOAD =	25,356 VA	26,076 VA	25,683 VA	28,903 VA	26,403 VA	29,219 VA
PANEL DEMAND LOAD/240 VOLTS =	105.7 AMPS	108.7 AMPS	107.0 AMPS	120.4 AMPS	110.0 AMPS	121.7 AMPS
PANEL CONNECTED LOAD =	34,226 VA	34,946 VA	35,042 VA	38,262 VA	35,762 VA	39,054 VA

MC-A1

VA	QTY	TYPE
205,356	6	1 Bed - AH-1
153,048	4	2 Bed - AH-2/4
71,524	2	2 Bed - AH-3
20,500		Panel HP
429,928	12	TOTAL
1,791.4 A		
196,770.48 VA (Demand)		
819.9 A (Demand)		
41 Factor		

MC-B1

VA	QTY	TYPE
210,252	6	2 Bed - AH-1
234,324	6	3 Bed - AH-2/4
20,500		Panel HP
444,576	12	TOTAL
1,852.4 A		
202,776.16 VA (Demand)		
844.9 A (Demand)		
41 Factor		

MC-C1

VA	QTY	TYPE
280,336	8	2 Bed - AH-1
153,048	4	2 Bed - AH-2/4
20,500		Panel HP
153,048	4	TOTAL
637.7 A		
89,371.60 VA (Demand)		
372.4 A (Demand)		
45 Factor		

MC-D1

VA	QTY	TYPE
68,452	2	1 Bed - AH-1
78,108	2	3 Bed - AH-2/4
146,560	4	TOTAL
406.8 A		
65,952 VA (Demand)		
274.8 A (Demand)		
45 Factor		

MC-A2

VA	QTY	TYPE
205,356	6	1 Bed - AH-1
153,048	4	2 Bed - AH-2/4
71,524	2	2 Bed - AH-3
429,928	12	TOTAL
1,791.4 A		
176,270.48 VA (Demand)		
734.5 A (Demand)		
41 Factor		

MC-B2

VA	QTY	TYPE
210,252	6	2 Bed - AH-1
234,324	6	3 Bed - AH-2/4
444,576	12	TOTAL
1,852.4 A		
182,276.16 VA (Demand)		
759.5 A (Demand)		
41 Factor		

Panel ID: A — Voltage: 240 / 120 — Panel Type: APARTMENT LOADCENTER
Location: ELECTRICAL ROOM — Phase: 1 — Enclosure: NEMA 1
Mounting: SURFACE — Wire: 3
Main Type: MLO — Main Size: * Amps

All 15 Amp and 20 Amp 120V circuit breakers shall be AFCI or AFCI/GFCI combination breakers if GF is specified.
Provide Internal SPD.
All circuit breakers shall be standard bolt-on type, unless noted otherwise.
* = See Apartment Load Tabulation chart on sheet E-302 for panelboard lug size.
** = Refer to air handler/heat pump electrical requirements on sheet E-302 for circuit breaker and wire sizes.

GND SIZE	WIRE SIZE	BRANCH CIRCUIT DESCRIPTION	CKT BKR SIZE	CKT BKR OPTION	CONN. LOAD (KVA)	CKT NO.	PHASE	CKT NO.	CONN. LOAD (KVA)	CKT BKR OPTION	CKT BKR SIZE	BRANCH CIRCUIT DESCRIPTION	WIRE SIZE	GND SIZE
12	12	MASTER BEDROOM	20/1	-	0.000	1	A	2	0.000	-	30/2	WH-1	10	10
12	12	BEDROOM 2	20/1	-	0.000	3	B	4	0.000	-	-	-	10	-
12	12	BEDROOM 3	20/1	-	0.000	5	A	6	0.000	-	**	AH-XX	**	**
12	12	HALL REC/LTG	20/1	-	0.000	7	B	8	0.000	-	-	-	**	-
12	12	FUTURE ISLAND POWER	20/1	GF	0.000	9	A	10	0.000	-	**	HP-XX	**	**
12	12	BATHROOM LTG/REC	20/1	-	0.000	11	B	12	0.000	-	-	-	**	-
12	12	LIVING RM REC/LTG	20/1	-	0.000	13	A	14	0.000	GF	20/1	REFRIGERATOR	12	12
10	6	RANGE	50/2	GF	0.000	15	B	16	0.000	GF	20/1	DISPOSAL	12	12
-	6	-	-	-	0.000	17	A	18	0.000	GF	20/1	WASHER	12	12
12	12	MICROWAVE	20/1	GF	0.000	19	B	20	0.000	GF	30/2	DRYER	10	10
12	12	DISHWASHER	20/1	GF	0.000	21	A	22	0.000	-	-	-	10	-
12	12	KITCHEN REC	20/1	-	0.000	23	B	24	0.000	-	20/1	KITCHEN/LAUNDRY	12	12
12	12	KITCHEN REC	20/1	-	0.000	25	A	26	0.000	-	20/1	SPARE	-	-
12	12	MASTER BATHROOM	20/1	-	0.000	27	B	28	0.000	-	-	INTERNAL SPD	-	-
12	12	MEDIA PANEL	20/1	-	0.000	29	A	30	0.000	-	-	-	-	-

Breaker Options (If Used):
TC - Time Clock Control
LO - Lock-On Device
GF - GND Fault CKT Interrupter
E - Existing to Remain
SH - Shunt Trip Breaker

See Apartment load tabulations on sheet E-302 for load information.

Panel ID: GP — Voltage: 240 / 120 — Panel Type: LIGHTING AND POWER PANEL
Location: GARAGE — Phase: 1 — Enclosure: NEMA 1
Mounting: SURFACE — Wire: 3
Main Type: MCB — Main Size: 60 Amps

All circuit breakers shall be standard bolt-on type, unless noted otherwise.
** = Refer to one line diagram for wire sizes.

GND SIZE	WIRE SIZE	BRANCH CIRCUIT DESCRIPTION	CKT BKR SIZE	CKT BKR OPTION	CONN. LOAD (KVA)	CKT NO.	PHASE	CKT NO.	CONN. LOAD (KVA)	CKT BKR OPTION	CKT BKR SIZE	BRANCH CIRCUIT DESCRIPTION	WIRE SIZE	GND SIZE
12	12	GARAGE 1-3	20/1	-	0.582	1	A	2	0.700	-	20/1	GARAGE DOOR 1	12	12
12	12	GARAGE 4-6	20/1	-	0.582	3	B	4	0.700	-	20/1	GARAGE DOOR 12	12	12
12	12	GARAGE 7-9	20/1	-	0.582	5	A	6	0.180	-	20/1	GARAGE 7 REC	12	12
12	12	GARAGE 10-12	20/1	-	0.582	7	B	8	0.180	-	20/1	GARAGE 8 REC	12	12
12	12	GARAGE 1 REC	20/1	-	0.180	9	A	10	0.180	-	20/1	GARAGE 9 REC	12	12
12	12	GARAGE 2 REC	20/1	-	0.180	11	B	12	0.180	-	20/1	GARAGE 10 REC	12	12
12	12	GARAGE 3 REC	20/1	-	0.180	13	A	14	0.180	-	20/1	GARAGE 11 REC	12	12
12	12	GARAGE 4 REC	20/1	-	0.180	15	B	16	0.180	-	20/1	GARAGE 12 REC	12	12
12	12	GARAGE 5 REC	20/1	-	0.180	17	A	18	0.100	-	20/1	EXTERIOR LTG	12	12
12	12	GARAGE 6 REC	20/1	-	0.180	19	B	20	0.000	-	20/1	SPARE	-	-
-	-	SPACE	-	-	0.000	21	A	22	0.000	-	-	SPACE	-	-
-	-	SPACE	-	-	0.000	23	B	24	0.000	-	-	SPACE	-	-
-	-	SPACE	-	-	0.000	25	A	26	0.000	-	-	SPACE	-	-
-	-	SPACE	-	-	0.000	27	B	28	0.000	-	-	SPACE	-	-
-	-	SPACE	-	-	0.000	29	A	30	0.000	-	-	SPACE	-	-

Demand Load Panel Summary: 6.0 KVA; 25.0 AMPS

Connected Load Panel Summary:

Phase A:	3.0 KVA	25.4 AMPS
Phase B:	2.9 KVA	24.5 AMPS
Total:	6.0 KVA	25.0 AMPS

Breaker Options (If Used):
TC - Time Clock Control
LO - Lock-On Device
GF - GND Fault CKT Interrupter
E - Existing to Remain
SH - Shunt Trip Breaker

Panel ID: CB — Voltage: 240 / 120 — Panel Type: POWER AND LIGHTING PANEL
Location: ELECTRICAL ROOM — Phase: 1 — Enclosure: NEMA 1
Mounting: SURFACE — Wire: 3
Main Type: MLO — Main Size: 600 Amps

All circuit breakers shall be standard bolt-on type, unless noted otherwise.
** = Refer to one line diagram for wire sizes.

GND SIZE	WIRE SIZE	BRANCH CIRCUIT DESCRIPTION	CKT BKR SIZE	CKT BKR OPTION	CONN. LOAD (KVA)	CKT NO.	PHASE	CKT NO.	CONN. LOAD (KVA)	CKT BKR OPTION	CKT BKR SIZE	BRANCH CIRCUIT DESCRIPTION	WIRE SIZE	GND SIZE
12	12	NW INTERIOR LTG	20/1	-	0.900	1	A	2	0.900	-	20/1	NORTH GEN. REC	12	12
12	12	SE INTERIOR LTG	20/1	-	0.900	3	B	4	0.600	GF	20/1	DRINKING FOUNTAIN	12	12
12	12	2F HALL REC/LTG	20/1	-	0.500	5	A	6	0.900	-	20/1	FITNESS RM REC	12	12
10	10	POOL PUMP	30/2	GF	2.040	7	B	8	1.920	-	20/1	EXERCISE BIKE	12	12
-	10	-	-	-	2.040	9	A	10	1.920	-	20/1	TREADMILL	12	12
12	12	POOL HEATER	20/1	GF	0.240	11	B	12	1.920	-	20/1	TREADMILL	12	12
12	12	POOL LIGHTING	20/1	GF	0.300	13	A	14	1.920	-	20/1	TREADMILL	12	12
12	12	CHEM. CONTROLLER	20/1	GF	0.360	15	B	16	1.920	-	20/1	EXERCISE BIKE	12	12
12	12	CHLORINE FEEDER	20/1	GF	1.820	17	A	18	1.080	-	20/1	OFFICE REC	12	12
12	12	COMM. RM. REC	20/1	-	0.900	19	B	20	0.720	-	20/1	SOUTH GEN. REC	12	12
12	12	GAS FIREPLACE	20/1	-	0.360	21	A	22	0.540	-	20/1	CONFERENCE RM REC	12	12
12	12	COUNTER REC	20/1	-	0.180	23	B	24	0.360	-	20/1	EXTERIOR REC	12	12
12	12	COFFEE MAKER	20/1	-	1.200	25	A	26	0.200	-	20/1	POOL BOLLARDS	12	12
12	12	U.C. FRIDGE	20/1	GF	0.900	27	B	28	0.200	-	20/1	EXTERIOR BOLLARDS	12	12
12	12	MICROWAVE	20/1	-	1.200	29	A	30	0.200	-	20/1	EXTERIOR BOLLARDS	12	12
12	12	COUNTER REC	20/1	-	0.180	31	B	32	3.840	-	40/2	EV CHARGER	8	10
12	12	ISLAND REC	20/1	GF	0.360	33	A	34	3.840	-	-	-	8	-
10	8	EV CHARGER	40/2	-	3.840	35	B	36	3.840	-	40/2	EV CHARGER	8	10
-	8	-	-	-	3.840	37	A	38	3.840	-	-	-	8	-
10	8	EV CHARGER	40/2	-	3.840	39	B	40	0.360	-	20/1	FIRE PIT	12	12
-	8	-	-	-	3.840	41	A	42	0.180	-	20/1	PATIO GRILL	12	12
10	10	EXTERIOR LTG	20/1	-	0.200	43	B	44	2.500	-	30/2	UH-1	10	10
12	12	VF-1	20/1	-	0.060	45	A	46	2.500	-	-	-	10	-
12	12	PATIO GRILL	20/1	-	0.180	47	B	48	9.780	-	90/2	AH-7	2	8
10	10	HP-6	25/2	-	2.700	49	A	50	9.780	-	-	-	2	-
-	10	-	-	-	2.700	51	B	52	2.880	-	30/2	HP-7	10	10
10	10	HP-7	30/2	-	2.880	53	A	54	2.880	-	-	-	10	-
-	10	-	-	-	2.880	55	B	56	6.830	-	60/2	AH-6	4	10
8	2	AH-7	90/2	-	9.780	57	A	58	6.830	-	-	-	4	-
-	2	-	-	-	9.780	59	B	60	0.540	-	20/1	RESTROOM REC	12	12
12	12	GYM CELING FANS	20/1	-	0.900	61	A	62	0.100	-	20/1	SECURITY JBOX	12	12
12	12	DISPOSAL	20/1	GF	0.900	63	B	64	2.250	-	30/2	EWH-2	10	10
12	12	LIGHTING CONTACTOR	20/1	-	0.100	65	A	66	2.250	-	-	-	10	-
12	12	COPIER	20/1	-	0.800	67	B	68	0.000	-	20/1	SPARE	-	-
12	12	COPIER	20/1	-	0.800	69	A	70	0.000	-	20/1	SPARE	-	-
-	-	SPARE	20/1	-	0.000	71	B	72	0.000	-	20/1	SPARE	-	-
-	-	SPARE	20/1	-	0.000	73	A	74	0.000	-	20/1	SPARE	-	-
-	-	SPARE	20/1	-	0.000	75	B	76	0.000	-	20/1	SPARE	-	-
-	-	SPARE	20/1	-	0.000	77	A	78	0.000	-	20/1	SPARE	-	-
-	-	SPARE	20/1	-	0.000	79	B	80	0.000	-	20/1	SPARE	-	-
-	-	SPARE	20/1	-	0.000	81	A	82	0.000	-	20/1	SPARE	-	-
-	-	SPARE	20/1	-	0.000	83	B	84	0.000	-	20/1	SPARE	-	-

Demand Load Panel Summary: 136.3 KVA; 567.9 AMPS

Connected Load Panel Summary:

Phase A:	73.4 KVA	612.0 AMPS
Phase B:	71.3 KVA	594.0 AMPS
Total:	144.7 KVA	603.0 AMPS

Breaker Options (If Used):
TC - Time Clock Control
LO - Lock-On Device
GF - GND Fault CKT Interrupter
E - Existing to Remain
SH - Shunt Trip Breaker

Panel ID: HP — Voltage: 240 / 120 — Panel Type: LIGHTING AND POWER PANEL
Location: BREEZEWAY — Phase: 1 — Enclosure: NEMA 1
Mounting: SURFACE — Wire: 3
Main Type: MLO — Main Size: 225 Amps

All circuit breakers shall be standard bolt-on type, unless noted otherwise.
** = Refer to one line diagram for wire sizes.

GND SIZE	WIRE SIZE	BRANCH CIRCUIT DESCRIPTION	CKT BKR SIZE	CKT BKR OPTION	CONN. LOAD (KVA)	CKT NO.	PHASE	CKT NO.	CONN. LOAD (KVA)	CKT BKR OPTION	CKT BKR SIZE	BRANCH CIRCUIT DESCRIPTION	WIRE SIZE	GND SIZE
12	12	BREEZEWAY LTG/REC	20/1	-	1.020	1	A	2	2.400	-	30/2	CUH-1	10	10
12	12	BREEZEWAY LTG/REC	20/1	-	1.020	3	B	4	2.400	-	-	-	10	-
12	12	EXTERIOR REC	20/1	-	0.540	5	A	6	0.435	-	20/2	EXTERIOR POLE LTG	10	10
12	12	EXTERIOR REC	20/1	-	0.540	7	B	8	0.435	-	-	-	10	-
-	-	SPARE	40/2	-	0.000	9	A	10	0.140	-	20/1	BOLLARD LTG	12	12
-	-	-	-	-	0.000	11	B	12	2.900	-	60/2	GARAGE PANEL	3	8
-	-	SPARE	40/2	-	0.000	13	A	14	2.900	-	-	-	3	-
-	-	-	-	-	0.000	15	B	16	2.900	-	60/2	GARAGE PANEL	3	8
12	12	SPRINKLER PANEL	20/1	LO	0.000	17	A	18	2.900	-	-	-	3	-
12	12	LIGHTING CONTACTOR	20/1	-	0.100	19	B	20	0.000	-	60/2	SPARE	-	-
-	-	SPARE	20/1	-	0.000	21	A	22	0.000	-	-	-	-	-
-	-	SPARE	20/1	-	0.000	23	B	24	0.000	-	20/1	SPARE	-	-
-	-	SPARE	20/1	-	0.000	25	A	26	0.000	-	20/1	SPARE	-	-
-	-	SPARE	20/1	-	0.000	27	B	28	0.000	-	20/1	SPARE	-	-
-	-	SPARE	20/1	-	0.000	29	A	30	0.000	-	20/1	SPARE	-	-

Demand Load Panel Summary: 18.5 KVA; 77.2 AMPS

Connected Load Panel Summary:

Phase A:	10.3 KVA	86.1 AMPS
Phase B:	10.3 KVA	85.8 AMPS
Total:	20.6 KVA	86.0 AMPS

Breaker Options (If Used):
TC - Time Clock Control
LO - Lock-On Device
GF - GND Fault CKT Interrupter
E - Existing to Remain
SH - Shunt Trip Breaker

AIR HANDLER REQUIREMENTS

AH--	VOLTS	PHASE	KW	BREAKER	WIRE SIZE
1,3	240	1	5.0	30/2	(2) #10 & (1) #10 GRD
2,4	240	1	7.5	45/2	(2) #6 & (1) #10 GRD

ELECTRICAL CONTRACTOR SHALL PROVIDE THE FOLLOWING REQUIREMENTS FOR EACH AIR HANDLER UNIT. REFER TO OVERALL POWER PLANS FOR AIR HANDLER FOR EACH APARTMENT. THE BREAKER SHALL BE PROVIDED FOR THE TENANT PANEL.

HEAT PUMP REQUIREMENTS

HP--	VOLTS	PHASE	MCA	BREAKER	WIRE SIZE	CONDUIT SIZE
1,2	240	1	16.0	20/2	(2) #10 & (1) #10 GRD	3/4"
3,4	240	1	19.0	20/2	(2) #10 & (1) #10 GRD	3/4"

ELECTRICAL CONTRACTOR SHALL PROVIDE THE FOLLOWING REQUIREMENTS FOR EACH HEAT PUMP UNIT. REFER TO OVERALL POWER PLANS FOR HEAT PUMP UNIT FOR EACH APARTMENT. THE BREAKER SHALL BE PROVIDED FOR THE TENANT PANEL.

E-302-24217.DWG

PRATER
Engineering Associates, Inc.
6130 Wilcox Road
Dublin, Ohio 43016
(614) 766 4896
FAX: (614) 766 2354

DESIGNED BY	DRAWN BY	CHECKED BY	JOB NUM.
N. RUSSELL	N. RUSSELL	-	24217

#	DATE	CHANGE DESCRIPTION
1	06/10/2025	ADDENDUM# 01
2	06/25/2025	ADDENDUM# 02

COLUMBUS METROPOLITAN HOUSING AUTHORITY
COMMUNITY. COMMITMENT. COLLABORATION.

THE FALLS ON REFUGEE ROAD
3355 REFUGEE ROAD, COLUMBUS, OH 43232
FOR
CMHA

Moody Nolan
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: 614-461-4664
CERT. NO: FIRM 00197475

DRAWING TITLE:
ELECTRICAL PANEL SCHEDULES & APARTMENT LOAD TABULATIONS

PROGRESS DRAWING NOT FOR CONSTRUCTION

05/01/2025

23446

E-302

CD PROGRESS SET

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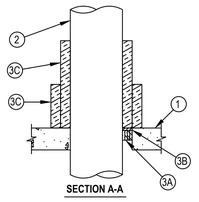
System No. F-A-1105

FA 105

Classified by Underwriters Laboratories, Inc. to UL 1479 and CAN/ULC-S115

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Rating - 2 Hr	F Rating - 2 Hr
T Rating - 2 Hr	FT Rating - 2 Hr
L Rating At Ambient - Less Than 1 CFM/sq ft	FH Rating - 2 Hr
L Rating At 400 F - 4 CFM/sq ft	FTH Rating - 2 Hr
W Rating - Class 1 (See Item 3B)	L Rating At Ambient - Less Than 1 CFM/sq ft
	L Rating At 400 F - 4 CFM/sq ft



SECTION A-A

1. Floor Assembly -- Min 4-1/2 in. (114 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m3) concrete. As an alternate, any min 2 hr fire rated D700 or D900 series Floor-Ceiling Design in the UL Fire Resistance Directory having a min 2-1/2 in. (64 mm) thickness of lightweight or normal weight (100-150 pcf or 1600-2400 kg/m3) concrete topping over the steel deck may be used. Max diam of opening is 12-3/4 in (324 mm).
2. Through-Penetrant -- One metallic pipe installed concentrically or eccentrically within opening. Annular space between penetrant and periphery of opening shall be min of 0 in. (point contact) to max 2 in. (51 mm). Penetrant to be rigidly supported on both sides of floor assembly.The following types and sizes of penetrants may be used:
   A. Steel Pipe -- Nom 10 in. (254 mm) diam (or smaller) Schedule 40 (or heavier) steel pipe
   B. Iron Pipe -- Nom 10 in. (254 mm) diam (or smaller) cast or ductile iron pipe.
   C. Conduit -- Nom 4 in. (102 mm) diam (or smaller) steel electrical metallic tubing or nom 6 in. (152 mm) diam (or smaller) rigid steel conduit.

Hilti Firestop Systems

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System No. F-A-1105

FA 105

3. Firestop System -- The firestop system shall consist of the following:
   A. Packing Material -- Min 2 in. (51 mm) thickness of min 4 pcf (64 kg/m3) mineral wool batt insulation firmly packed into opening as a permanent form. When CP 604, CFS-S SIL GG or CFS-S SIL SL sealant is used (see item 3B), min thickness of packing material is 4 in. (102 mm) and min thickness of floor is 4-1/2 in. (114 mm). Packing material to be recessed from top surface of floor to accommodate the required thickness of fill material.
   B. Fill, Void or Cavity Materials* - Sealant -- Min 1/2 in. (13 mm) thickness of sealant applied within the annulus, flush with top surface of floor. HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC -- FS-ONE Sealant or CP 604 Self-Leveling Firestop Sealant, CFS-S SIL GG or CFS-S SIL SL Sealant. W Rating applies only when CP 604, CFS-S SIL or CFS-S SIL SL Sealant is used.
   C. Duct Wrap Material* -- Encapsulated duct wrap tightly around penetrant to extend 24 in. (610 mm) above the floor for penetrants of nom 4 in. (102 mm) diam or smaller, and 36 in. (914 mm) above floor for penetrants greater than a nom 4 in. (102 mm) diam. An additional layer of encapsulated duct wrap tightly wrapped around the first layer of duct wrap to extend 12 in. (305 mm) (914 mm) above floor. All longitudinal seams of both layers of duct wrap and joints between layers of duct wrap are sealed with foil tape. One of the following types and thicknesses of duct wrap may be used:
      C.1. Nom 1-1/2 in. (38 mm) or 2 in. (51 mm) thick encapsulated duct wrap. UNIFRAX I L L C -- Fyrewrap Duct Insulation or FireWrap Duct 1.5 Insulation.
      C.2. Nom 1-1/2 in. (38 mm) thick encapsulated duct wrap. THERMAL CERAMICS INC -- FireMaster FastWrap XL Duct Insulation.

*Bearing the UL Classification Mark

Hilti Firestop Systems

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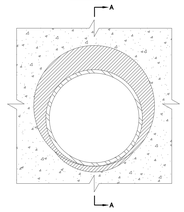
UL/CUL SYSTEM NO. CAJ1154

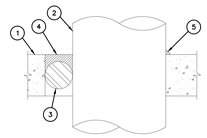
METAL PIPE THROUGH CONCRETE FLOOR/WALL OR BLOCK WALL

F RATING = 3-HR
T RATING = 1/4-HR
L RATING AT AMBIENT = LESS THAN 1 CFM/SQ. FT.
L RATING AT 400°F = 4 CFM/SQ. FT.

TOP VIEW



SECTION A-A



1. CONCRETE FLOOR OR WALL ASSEMBLY (3-HR. FIRE-RATING):
   A. LIGHTWEIGHT OR NORMAL WEIGHT CONCRETE FLOOR OR WALL (MINIMUM 4-1/2" THICK).
   B. ANY UL/ULC CLASSIFIED CONCRETE BLOCK WALL.
2. PENETRATING ITEM TO BE ONE OF THE FOLLOWING:
   A. MAXIMUM 10" NOMINAL DIAMETER STEEL PIPE (SCHEDULE 10 OR HEAVIER).
   B. MAXIMUM 4" NOMINAL DIAMETER COPPER PIPE.
   C. MAXIMUM 4" NOMINAL DIAMETER STEEL CONDUIT.
   D. MAXIMUM 4" NOMINAL DIAMETER EMT.
3. BACKER ROD, HILTI CF 128 FILLER FOAM, OR MINERAL WOOL TO BE USED AS BACKER.
4. MINIMUM 1/2" DEPTH HILTI FS-ONE INTUMESCENT FIRESTOP SEALANT.
5. MINIMUM 1/2" BEAD HILTI FS-ONE INTUMESCENT FIRESTOP SEALANT APPLIED AT POINT OF CONTACT.

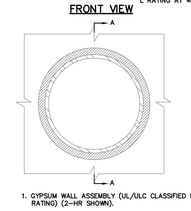
NOTES:
1. MAXIMUM DIAMETER OF OPENING = 14".
2. ANNULAR SPACE = MINIMUM 0", MAXIMUM 3-1/4".
3. MINIMUM 1/2" DEPTH HILTI FS-ONE INTUMESCENT FIRESTOP SEALANT IS REQUIRED ON BOTH SIDES OF A WALL ASSEMBLY.

UL/CUL SYSTEM NO. WL1085

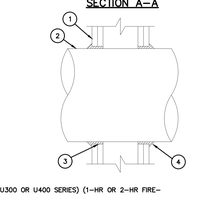
METAL PIPE THROUGH 1-HR. OR 2-HR. GYPSUM WALL ASSEMBLY

F RATING = 1-HR. OR 2-HR.
T RATING = 0-HR
L RATING AT AMBIENT = LESS THAN 1CFM/SQ. FT.
L RATING AT 400°F = 4 CFM/SQ. FT.

FRONT VIEW



SECTION A-A



1. GYPSUM WALL ASSEMBLY (UL/ULC CLASSIFIED U300 OR U400 SERIES) (1-HR OR 2-HR FIRE-RATING) (2-HR SHOWN).
2. PENETRATING ITEM TO BE ONE OF THE FOLLOWING:
   A. MAXIMUM 12" NOMINAL DIAMETER STEEL PIPE (SCHEDULE 10 OR HEAVIER).
   B. MAXIMUM 12" NOMINAL DIAMETER CAST IRON PIPE.
   C. MAXIMUM 6" NOMINAL DIAMETER COPPER PIPE.
   D. MAXIMUM 6" NOMINAL DIAMETER EMT.
   E. MAXIMUM 6" NOMINAL DIAMETER STEEL CONDUIT.
3. HILTI FS-ONE INTUMESCENT FIRESTOP SEALANT FORCED INTO ANNULAR SPACE TO MAXIMUM EXTENT POSSIBLE.
4. MINIMUM 1/2" BEAD HILTI FS-ONE INTUMESCENT FIRESTOP SEALANT TO BE INSTALLED AROUND PIPE, LAPPING 1/4" BEYOND PERIPHERY OF OPENING

NOTES:
1. MAXIMUM DIAMETER OF OPENING = 13-1/4".
2. ANNULAR SPACE = MINIMUM 0", MAXIMUM 1/4".

ELECTRICAL LEGEND

SYMBOL	DESCRIPTION	MOUNTING HGT. TO CENTER UNLESS OTHERWISE NOTED
R1,a	LIGHT FIXTURE: TYPE "R1" SEE LIGHTING FIXTURE SCHEDULE; WIRED TO SWITCH "a"	
	LED STRIP LIGHTING FIXTURE	
	POLE MOUNTED LIGHTING FIXTURE	
	CEILING OR WALL MOUNTED LIGHTING FIXTURE TYPE SEE LIGHTING FIXTURE SCHEDULE	SEE DRAWINGS
	EXIT SIGN FIXTURE (WITH DIRECTIONAL ARROWS AS SHOWN) (TYPE AND MOUNTING AS NOTED: SEE LIGHTING FIXTURE SCHEDULE)	94"
	EXIT SIGN FIXTURE WITH REMOTE HEADS	94"
	EMERGENCY LIGHTING BATTERY PACK WITH INTEGRAL HEADS (TYPE AND MOUNTING AS NOTED; SEE LIGHTING FIXTURE SCHEDULE)	90"
$a	SINGLE POLE SWITCH; a = SWITCH "a"	42"
$2;3;4;K;P	SPECIAL SWITCH: 2-WAY; 3-WAY; 4-WAY; KEY OPERATED; SWITCH WITH PILOT LIGHT	42"
	DUPLEX RECEPTACLE; 3 WIRE GROUND TYPE	18"
GF	DUPLEX RECEPTACLE W/ GROUND FAULT INTERRUPTER	18"
WP	DUPLEX RECEPTACLE W/ WEATHERPROOF COVER	18"
U	DUPLEX RECEPTACLE W/ USB-C PORT	18"
	SINGLE RECEPTACLE	18"
	DOUBLE DUPLEX RECEPTACLE	18"
	SPECIAL PURPOSE RECEPTACLE AS NOTED	18"
J, JF	JUNCTION BOX; WALL / CEILING MOUNTED: FLOOR MOUNTED	SEE DRAWINGS
	DATA OUTLET	18"
	ELECTRICAL PANEL - SURFACE MOUNT, FLUSH MOUNT	6'-0" TO TOP
	PLYWOOD TELEPHONE BACKBOARD	AS REQUIRED
	SAFETY DISCONNECT SWITCH	2'-0" TO 6'-0"
	1-PHASE MOTOR	
F	CEILING/WALL MOUNTED FIRE ALARM HORN/STROBE	80"
F	CEILING/WALL MOUNTED FIRE ALARM STROBE	80"
F	FIRE ALARM PULL STATION	42"
F	FIRE ALARM BELL	80"
F	CEILING MOUNTED FIRE ALARM DEVICE	
TS	TAMPER SWITCH	
FS	MASTER FLOW SWITCH	
SJ	SECURITY JUNCTION BOX	
EV	EV CHARGING STATOIN	
EV F	PULLBOX FOR FUTURE EV CHARGING STATION	
T	UTILITY TRANSFORMER	
CR	CARD READER	42"
	PUSHBUTTON	42"
	TOGGLE TYPE DISCONNECT SWITCH	
PC	PHOTOCELL SENSOR	
	BATHROOM EXHAUST FAN	
DB	DOORBELL	42"
D	SENSORY DOORBELL STROBE	80"

ELECTRICAL ABBREVIATIONS

AWG	AMERICAN WIRE GAUGE	G.C.	GENERAL CONTRACTOR
A	ABOVE COUNTER	GRD	GROUND
AFF	ABOVE FINISHED FLOOR	LTG	LIGHTING
CLG	CEILING	MECH	MECHANICAL
C	CONDUIT	PNL	PANEL
E.C.	ELECTRICAL CONTRACTOR	REC	RECEPTACLE
E	EXISTING TO REMAIN	TYP	TYPICAL
FIX	FIXTURE	WP	WEATHER PROOF

FIXTURE SCHEDULE

FIXTURE NUMBER	DESCRIPTION	MANUFACTURER	CATALOG NUMBER	LAMPS	REMARKS
S1	7.5" LED SURFACE MOUNTED DISK, 1000LM, 3000K	MAXIM (RP LIGHTING)	57613WTWT	14W LED	--
S2	2' LED LINEAR CEILING WRAP, 1600LM, 4000K	NUVO (ILP)	65-1081	20W LED	--
S3	12" SURFACE MOUNTED DOME	NUVO (VOLUME LIGHTING)	60-3271	(1) 9.8W LED BULB (S11408)	CONTRACTOR TO PROVIDE LAMPS.
S4	10" SURFACE MOUNTED DOME	NUVO (ILP)	SF76-674	(2) 9.8W LED BULB (S11408)	CONTRACTOR TO PROVIDE LAMPS.
S5	4' SURFACE MOUNTED LINEAR LED, 4000LM, 3500K	CURRENT (ILP)	MPS-4-35-LW-C-W-ED-U	26.9W LED	--
S6	54" CLOSED AND GASKETED FIRBERGLASS INDUSTRIAL UL WET LOCATION LISTED	LITHONIA (ILP)	VAP-4000LM,PCL-WD-MVOLT-GZ10-35K-80CRI	33W LED	--
S7	15.5" SURFACE MOUNTED LED CYLINDER	LIGHTOLOGY (--)	DUNF15LAJUDBKGD	26W LED	--
P1	LED PENDANT	QUORUM (--)	822-165	(1) 9.8W LED BULB (S11408)	--
P2	14" LED PENDANT	HINKLEY (--)	ARGO 3487SK	(1) 6.5W LED BULB (INCLUDED)	COORDINATE MOUNTING HEIGHT WITH ARCHITECT PRIOR TO ROUGH-IN.
P3	31" SPHERICAL CHANDELIER	HINKLEY (--)	FR405641RR	(6) 4W LED CANDLE BULB	CONTRACTOR TO PROVIDE LAMPS. COORDINATE MOUNTING HEIGHT WITH ARCHITECT PRIOR TO ROUGH-IN.
R1	2X2 LED FLAT PANEL W/ SWITCHABLE LUMEN OUTPUT	COLUMBIA (--)	CBT22-L35	38W LED	SET TO MEDIUM LUMEN OUTPUT.
R2	2X4 LED FLAT PANEL W/ SWITCHABLE LUMEN OUTPUT	COLUMBIA (--)	CBT24-L35	48W LED	SET TO MEDIUM LUMEN OUTPUT.
W1	EXTERIOR WALL SCONCE	KICHLER (VOLUME LIGHTING)	9735BK	(1) 9.8W LED BULB (S11408)	CONTRACTOR TO PROVIDE LAMPS. COORDINATE MOUNTING HEIGHT WITH ARCHITECT PRIOR TO ROUGH-IN.
W2	EXTERIOR WALL SCONCE	MAXIM LIGHTING (VOLUME LIGHTING)	1026 BK	(1) 9.8W LED BULB (S11408)	CONTRACTOR TO PROVIDE LAMPS. COORDINATE MOUNTING HEIGHT WITH ARCHITECT PRIOR TO ROUGH-IN.
W3	EXTERIOR WALL SCONCE	KICHLER (--)	49183BK	(1) 9.8W LED BULB (S11408)	CONTRACTOR TO PROVIDE LAMPS. COORDINATE MOUNTING HEIGHT WITH ARCHITECT PRIOR TO ROUGH-IN.
W4	EXTERIOR GOOSENECK WALL SCONCE	VISUAL COMFORT (MILLENNIUM)	8837401EN3-12	(1) 9W LED BULB (INCLUDED)	COORDINATE MOUNTING HEIGHT WITH ARCHITECT PRIOR TO ROUGH-IN.
W5	SWING ARM WALL SCONCE	HINKLEY (--)	ARGO 3480SK	(1) 9W LED BULB (INCLUDED)	COORDINATE MOUNTING HEIGHT WITH ARCHITECT PRIOR TO ROUGH-IN.
V1	LED BACKLIT MIRROR	WELLFOR (--)	DTG-3224M3ZK1	36W LED	COORDINATE MOUNTING HEIGHT WITH ARCHITECT PRIOR TO ROUGH-IN.
CLF1	WHITE CEILING FAN W/ LED BULBS INCLUDED	KICHLER (RP LIGHTING)	330017MWH	(3) 9.8W LED BULB (S11408), 52W HIGH, 81.4W TOTAL	CONTRACTOR TO PROVIDE LAMPS.
CLF2	CEILING FAN W/ NO LIGHT	WAC (--)	F-081L	45W	--
EX1	ONE SIDED LED EDGE LIT EXIT SIGN W/ REMOTE CAPACITY	LITHONIA (COMPASS)	LHQM-LED-R-HO RO	<5W LED	--
EM1	EMERGENCY LED WALL PACK	LITHONIA (COMPASS)	ELM2L	<5W LED	--
EM2	EMERGENCY LED REMOTE HEADS	LITHONIA (COMPASS)	ELA-T-SD-QWP	<5W LED	POWER FROM EX1.
PL1	LED POLE MOUNTED FIXTURE, 21,000LM, 4000K, TYPE 3 DIST. W/ INTEGRAL PHOTOCELL	BEACON (--)	VP-2-320L-145-4K7-3-UNV-A POLE: RSA-B-5-25-50-B-1-B1-XX	145W LED	MOUNT AT 25' A.F.F.
PL2	LED POLE MOUNTED FIXTURE, 21,000LM, 4000K, TYPE 4 DIST. W/ INTEGRAL PHOTOCELL	BEACON (--)	VP-2-320L-145-4K7-4-UNV-A POLE: RSA-B-5-25-50-B-1-B1-XX	145W LED	MOUNT AT 25' A.F.F.
BL1	LED BOLLARD FIXTURE, 1,000LM, 4000K, TYPE 1 DIST. W/ INTEGRAL PHOTOCELL	KIM LIGHTING (--)	PA7R-CT-NU-1-12L-010-4K7	14W LED	--
BL2	LED BOLLARD FIXTURE, 1,000LM, 4000K, TYPE 5 DIST. W/ INTEGRAL PHOTOCELL	KIM LIGHTING (--)	PA7R-CT-NU-5-12L-010-4K7	14W LED	--
FL1	LED GROUND MOUNTED FLOOD FIXTURE	BEACON (--)	RFL2-44L-25-4K7-M-UNV-K-BLT	25W LED	-- 2

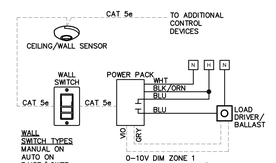
LIGHTING CONTROL LEGEND

- LOW VOLTAGE CEILING MOUNTED SELF-ADJUSTING 2000 SQ. FT. DUAL TECH. MOTION SENSOR WITH 360° FIELD OF VIEW. NX CONTROLS MODEL #NXSMDT-OMNI.
- JUNCTION BOX MOUNTED POWER PACK ROOM CONTROLLER -- NX CONTROLS MODEL #NXRCFX2-1RD-UNV. 16A LOAD RATING, 15VDC, 40mA OUTPUT. INSTALL ABOVE ACCESSIBLE CEILING OR AT DECK ABOVE.
- LOW VOLTAGE 2 BUTTON ON/OFF WALL SWITCH. MANUAL CONTROL FOR CEILING MOUNTED OCCUPANCY SENSOR(S). NX CONTROLS MODEL #NXSW2-OO. 1-ON/OFF. USED FOR AUTO ON, AUTO OFF OF ONE ZONE.
- LOW VOLTAGE 2 BUTTON ON/OFF WALL SWITCH. MANUAL CONTROL FOR CEILING MOUNTED OCCUPANCY SENSOR(S). NX CONTROLS MODEL #NXSW2-OO. 1-ON/OFF. USED FOR MANUAL ON, AUTO OFF OF ONE ZONE.
- WALL MOUNTED OCCUPANCY SENSOR, SELF-ADJUSTING 1,000 SQFT. DUAL TECHNOLOGY (ULTRA/PIR) SENSOR WITH 180° FIELD OF VIEW - NX CONTROLS MODEL #LHRMTS-1-N-WH. USED FOR AUTO ON AND AUTO OFF OF ONE ZONE.
- WALL MOUNTED OCCUPANCY SENSOR W/ FAN CONTROL, SELF-ADJUSTING 1,000 SQFT. DUAL TECHNOLOGY (ULTRA/PIR) SENSOR WITH 180° FIELD OF VIEW - NX CONTROLS MODEL #LHRDCWTD-2-N-WH. USED FOR AUTO ON AND AUTO OFF.
- WALL MOUNTED OCCUPANCY SENSOR, SELF-ADJUSTING 1,000 SQFT. DUAL TECHNOLOGY (ULTRA/PIR) SENSOR WITH 180° FIELD OF VIEW - NX CONTROLS MODEL #LHRMTS-1-N-WH. USED FOR MANUAL ON AND AUTO OFF OF ONE ZONE.
- WALL MOUNTED VACANCY SENSOR, SELF-ADJUSTING 1,000 SQFT. DUAL TECHNOLOGY (ULTRA/PIR) SENSOR WITH 180° FIELD OF VIEW - MODEL #LHRDMMTS2-N-WH. USED FOR MANUAL RAISE/LOWER, MANUAL ON AND AUTO OFF OF ONE ZONE.
- LOW VOLTAGE 4 BUTTON ON/OFF, RAISE/LOWER WALL SWITCH. MANUAL CONTROL FOR CEILING MOUNTED OCCUPANCY SENSOR(S). NX CONTROLS MODEL #NXSW2-ORLO-WH. USED FOR MANUAL ON, AUTO OFF, MANUAL RAISE/LOWER OF ONE ZONE.

NOTES:
1. REFER TO WIRING DIAGRAMS ON THIS SHEET.
2. SET SENSORS FOR MAXIMUM SENSITIVITY AND TIME DELAYS AS FOLLOWS: RESTROOMS 30 MINUTES, ALL OTHER AREAS 15 MINUTES. SET DAYLIGHT SENSORS IN AUTOMATIC SET POINT PROGRAMMING MODE. COORDINATE FINAL SETTING WITH THE OWNER/TENANT.
3. INSTALL PER MANUFACTURER'S WRITTEN INSTRUCTIONS.
4. APPROVED EQUALS SHALL BE BY ACUITY, LEVITON, WATTSTOPPER DLM, LUTRON ENERGI TRI-PAK, LSI AIRLINK, & CRESTRON ZUM.
5. AUTOMATIC CONTROLS SHALL INCLUDE FACTORY START-UP AND CONTRACTOR COMMISSIONING. CONTROLS SHALL BE FIELD TESTED TO ENSURE DEVICES ARE CALIBRATED, ADJUSTED, AND OPERATE IN ACCORDANCE WITH APPROVED PLANS AND SPECIFICATIONS. FIELD TESTING SHALL OCCUR WHEN FURNITURE AND OWNER EQUIPMENT IS INSTALLED AND WHEN HVAC EQUIPMENT IS OPERATIONAL.

LIGHTING CONTROL NOTES

1. ENCLOSED OFFICES AND MULTIPURPOSE ROOMS SHALL BE MANUAL ON, AUTO OFF, AND MANUAL DIM.
2. LOBBIES, CORRIDORS, & RESTROOMS SHALL BE AUTO ON TO 100% AUTO OFF, AND SHALL INCLUDE ONE READILY ACCESSIBLE MANUAL CONTROL. CORRIDORS SHALL BE DIMMABLE WHERE SHOWN ON PLANS.
3. APARTMENT CORRIDORS SHALL BE ON AT ALL TIMES FOR SECURITY.
4. AUTOMATIC SHUTOFF IS NOT REQUIRED FOR LIGHTING REQUIRED FOR 23 HOUR OPERATION, AND FOR SPACES WHERE AUTOMATIC SHUTOFF WOULD ENDANGER THE SAFETY OR SECURITY OF THE ROOM OR BUILDING OCCUPANTS (INCLUDING ELECTRICAL ROOMS, MECHANICAL ROOMS).
5. ALL OTHER SPACES SHALL BE MANUAL ON, AUTO OFF, UNLESS NOTED/SHOWN OTHERWISE. REFER TO LIGHTING CONTROL LEGEND FOR DEVICE TYPES AND ASSOCIATED CONTROL SEQUENCES.
6. STRAIGHT LINES BETWEEN DEVICES/LUMINARIES INDICATE SWITCHED CIRCUIT. ARCED LINES INDICATE UNSWITCHED CIRCUIT. LOWER CASE LETTERS DENOTE LIGHTING ZONES.
7. EXTERIOR LIGHTING SHALL BE OFF DURING THE DAY, 100% OUTPUT DURING PEAK NIGHT HOURS FOR TENANT SECURITY.
8. POWER PACKS & WIRING ARE SHOWN ON THE DRAWINGS FOR SPECIFIC CIRCUITING & SWITCHING, EXCEPT WHEN CONTROL INTENT IS CLEAR (EX.-BOUND BY A ROOM). ALL SWITCH CONTROLS & POWER PACKS SHALL BE FURNISHED & INSTALLED AS REQUIRED. IT IS THE INTENT OF THESE DOCUMENTS THAT A COMPLETE & FUNCTIONAL BRANCH CIRCUIT WIRING & CONTROL SYSTEM IS FURNISHED & INSTALLED.



CEILING MOTION SENSOR

CAT 5e NON-BOOTED PLENUM CABLES, 2 CAT 5e PORTS PER DEVICE
APPROX. 16 DEVICES MAX PER POWER PACK
ADDITIONAL SWITCHES & SENSORS DAISY CHAINED

E-400-24217.DWG

PRATER
Engineering Associates, Inc.
6130 Wilcox Road
Dublin, Ohio 43016
(614) 766 4896
FAX: (614) 766 2354

DESIGNED BY	DRAWN BY	CHECKED BY	JOB NUM.
N. RUSSELL	N. RUSSELL	--	24217

#	DATE	CHANGE DESCRIPTION
1	06/10/2025	ADDENDUM# 01
2	06/25/2025	ADDENDUM# 02

COLUMBUS METROPOLITAN HOUSING AUTHORITY
COMMUNITY. COMMITMENT. COLLABORATION.

THE FALLS ON REFUGEE ROAD
3355 REFUGEE ROAD, COLUMBUS, OH 43232
FOR
CMHA

Moody Nolan
300 SPRUCE STREET
SUITE 300
COLUMBUS, OHIO 43215
PHONE: 614-461-4664
CERT. NO: FIRM 00197475

DRAWING TITLE:
ELECTRICAL DETAILS

PROGRESS DRAWING NOT FOR CONSTRUCTION

05/01/2025

23446

E-400

CD PROGRESS SET

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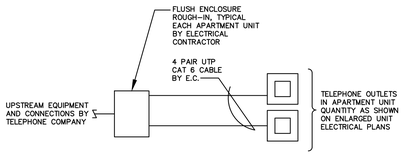
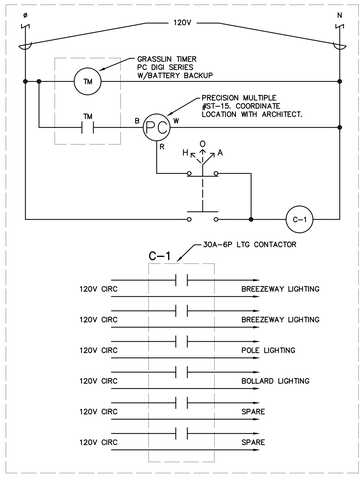
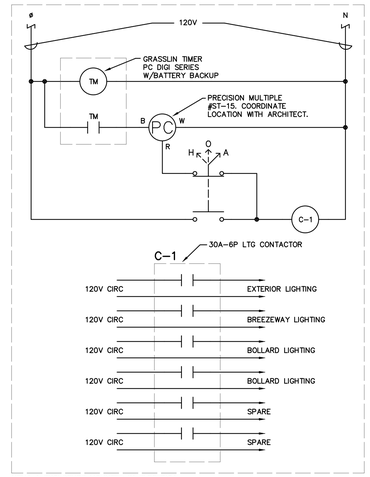


APARTMENT TELECOM WIRING DIAGRAM
SCALE: NONE



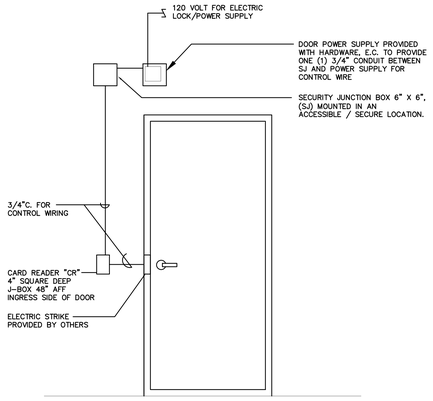
NEMA 1 ENCLOSURE MOUNTED IN ELECTRICAL ROOM NEAR PANEL

EXTERIOR LIGHTING CONTROL DIAGRAM
SCALE: NONE



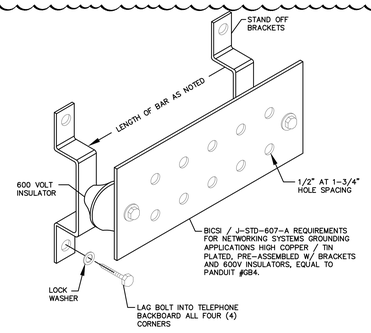
NEMA 1 ENCLOSURE MOUNTED IN ELECTRICAL ROOM NEAR PANEL.

EXTERIOR CLUBHOUSE LIGHTING CONTROL DIAGRAM
SCALE: NONE

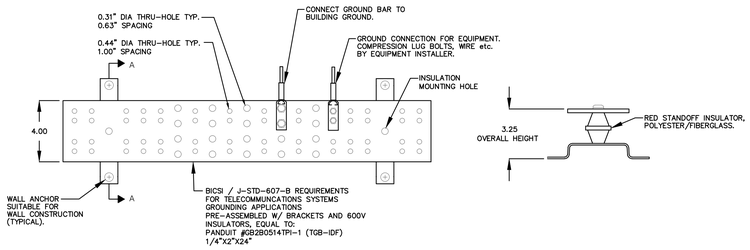


TYPICAL SINGLE DOOR ACCESS CONTROL DOOR ELEVATION
SCALE: NONE

REFER TO ARCHITECTURAL SHEETS FOR DOOR LOCATIONS AND ROUGH-IN LOCATIONS.
NOTE: E.C. TO PROVIDE CONDUIT AND ROUGH-IN'S. SECURITY CONTRACTOR TO PROVIDE ACCESS CONTROL WIRING.



GROUNDING BAR DETAIL
SCALE: N.T.S.



GROUNDING BUS DETAIL TMGB & TGB
SCALE: NONE

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