Consultants:

Drawing Issue Dates

Schematic Design Submittal

Civil Engineer
Moody Engineering
300 Spruce St Suite 200, Columbus OH 43215

Lighting Design
Address Address
MKSK
462 Ludlow St, Columbus OH 43215

Structural Engineer
SMBH
1166 Dublin Rd Suite 200, Columbus OH 43215

MEP Engineer
Advanced Engineering Consultants
1405 Dublin Rd, Columbus OH 43215

401 Foster St, Durham NC 27701
evokestudio.com
919-495-6079

CML Marion
Franklin Branch
Lockbourne Road, between Faber Ave & Evergreen Rd
Columbus, Ohio 43207

Issue Date
22150
9/1/2023

Revision Schedule

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>C001</td>
<td>SITE DEMOLITION PLAN</td>
<td></td>
</tr>
</tbody>
</table>
NOT FOR CONSTRUCTION

300 Marconi Boulevard
Columbus OH 43215
schooleycaldwell.com
614-628-0300
614-628-0311

Consultants:

Schematic Design Submittal
Civil Engineer
Moody Engineering
300 Spruce St Suite 200, Columbus OH 43215

Lighting Design
Landscape Architect
MKSK
462 Ludlow St, Columbus OH 43215

Structural Engineer
SMBH
1166 Dublin Rd Suite 200, Columbus OH 43215

MEP Engineer
Advanced Engineering Consultants
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401 Foster St, Durham NC 27701
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919-495-6079

CML Marion
Franklin Branch
Lockbourne Road, Lebanon
Fisher Ave & Lemoyne Rd
Columbus, Ohio 43207

Issue Date
9/1/2023

Revision Schedule

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<thead>
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<th>Description</th>
<th>Date</th>
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<tbody>
<tr>
<td>C004</td>
<td>GRADING AND DRAINAGE</td>
<td>1/2/2023</td>
</tr>
</tbody>
</table>
C. PROTECTION

GENERAL NOTES

1. Anticipated duration of such closure and the traffic control measures to be taken shall be notified of any proposed lane closures noting the time of construction and prior to any grading or disturbance of existing conditions depicted on the project documents and assumed full responsibility for becoming familiar with project drawings.

2. Designated by the contract documents, contractor shall be responsible for protecting the public according to all applicable codes and city practices. Egress and ingress to all buildings must be maintained at all times.

3. Contractor shall be responsible for becoming familiar with project drawings and related work responsibilities including the verification of existing conditions depicted on the project documents and assumed full responsibility for becoming familiar with project drawings.

4. Without permission from the city and authorities having jurisdiction, follow design, grading, and construction procedures to meet field conditions at the time of construction and prior to any grading or disturbance of existing conditions depicted on the project documents and assumed full responsibility for becoming familiar with project drawings.

5. Designation of planting soil mixes.

6. Provide for safe vehicular and pedestrian passage through the construction area. Coordinate traffic control items with the city engineer traffic division 72 hours in advance of any proposed lane closure.

7. Verify the condition and completeness of all work performed by others.

8. Provide for the protection of existing public utilities and private service lines.

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SOILS LEGEND

- soil profile - lawn
  - 4" depth
  - S1

- soil profile - planting bed
  - 12" depth
  - S2

- soil profile - bio-retention
  - 18" depth
  - S3

SOILS NOTES

1. Do not excavate within soil preservation/tree protection areas unless otherwise indicated. Refer to demolition plans and/or tree protection plans for additional information.

2. Site salvaged soils scheduled for redistribution must be tested and amended off-site prior to owner's representative acceptance for use and redistribution.

3. Subgrade soils for turfgrass and planting areas must be decompacted by ripping soils as described in each planting soil mix specification.

4. Areas within grading limits or disturbed by construction activities shall have existing soils decompacted and repaired to original state or proposed project conditions. Owner's representative to review and approve soils and repairs prior to repair work commencing.

5. Planting soil mix depths indicated are post compaction and settlement depths representing final grade within specified compaction and grading tolerances. Compensate for settling and compaction as necessary.

6. Excavate and confirm planting area subgrades are to the depths noted on soil drawings and details. Where excavation is too deep, backfill with existing soils and compact to 85 - 90% Proctor. Do not start the soil mix installation until sub-grade conditions have been corrected and approved by the landscape architect.

7. Project manual specifications for planting soil mix and finish grading apply.

Consultants:

- Civil Engineer: Moody Engineering
  - 300 Spruce St Suite 200, Columbus OH 43215
- Landscape Architect: MKSK
  - 462 Ludlow St, Columbus OH 43215
- Structural Engineer: SMBH
  - 1166 Dublin Rd Suite 200, Columbus OH 43215
- MEP Engineer: Advanced Engineering Consultants
  - 1405 Dublin Rd, Columbus OH 43215

10/26/2023 5:35:58 PM

Autodesk Docs://CML Marion Franklin Branch_v22.rvt

11/2/2023

SOILS PLAN

Revision Schedule

<table>
<thead>
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<th>No.</th>
<th>Description</th>
<th>Date</th>
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<tbody>
<tr>
<td>1</td>
<td>SOILS PLAN</td>
<td></td>
</tr>
</tbody>
</table>
NOTES:
1. EXPANSION AND CONTROL JOINTS AS SHOWN ON PLAN.
2. PROVIDE FINISHING ON CONCRETE SURFACES AFTER
   EDGE TOOLING. PROVIDE 1/4" RAD. ON ALL SLAB EDGES.
3. CONTRACTOR SHALL SUBMIT A MIX DESIGN FOR REVIEW
   AND APPROVAL PRIOR TO PAVING.

1. EXPANSION JOINT LOCATIONS.
2. MAX CONTROL JOINTS TO BE 6'-0" O.C.
3. LIGHT BROOM FINISH ALL EXPOSED SURFACES.
4. SAWCUT CONTROL JOINTS WITH 1/4" RADIUS.
5. ALIGN CURB JOINTS WITH SIDEWALK JOINTS.

ADJACENT PAVEMENT PER PLANS
3" RADIUS TOOLED EDGE EXCEPT WHEN
CURB IS IN A FLUSH CONDITION,
REDUCE RADIUS TO 1/4" RADIUS
TOOLED EDGE

1/4" RADIUS TOOLED EDGE
ADJACENT SOIL PER PLANS

CAST-IN-PLACE CONCRETE CURB
COMPACTED SUBGRADE
COMPACTED AGGREGATE BASE COURSE
CIP CONCRETE PAVEMENT
FINISH VARIES, SEE
MATERIALS PLAN FOR
FINISH, TYPE, AND EXTENTS

6" CONCRETE PAVEMENT
6X6 #8 MESH
4" COMPACTED THICKNESS
AGGREGATE BASE
CITY OF COLUMBUS ITEM 304
COMPACTED SUBGRADE
0' - 6"
0' - 4"

1/8" SAWCUT
CONTRACTION JOINT.
MIN 1/3 DEPTH OF SLAB. SPACING PER
PLAN
CIP CONCRETE PAVEMENT
PERFORATED STIFF FOAM OR
PREFORMED ASPHALTIC
EXPANSION MATERIAL. CUT
OR LEAVE RECESSED TO
DEPTH AS SHOWN

3/8" JOINT SEALANT, FINISH
SLIGHTLY CONCAVE
ADJACENT MATERIALS VARY.
SEE PLANS
COMPRESSABLE JOINT
FILLER TO BOTTOM OF SLAB
(REINFORCEMENT BETWEEN
SLABS NOT SHOWN)

NOTE:
SEE LAYOUT PLANS FOR
EXPANSION JOINT LOCATIONS.

6" THICK CONCRETE SUBSLAB
6" COMPACTED AGGREGATE
BASE
COC ITEM #499 CLASS 'C' CONCRETE
2 1/2" I.D. PIPE SLEEVE TO BE FILLED WITH
THOROUGH-GRIFF AT TIME OF RACK
INSTALLATION
4 1/16" 8" THICKENED CONCRETE FOOTING, COC
ITEM #499 CLASS 'C' CONCRETE
CORE DRILLED HOLE 1/2" THAN DIAMETER
OF PIPE. FILL WITH NON-SHRINK EPOXY
GROUT. SLOPE TO DRAIN.
0' - 2 1/2" TYP.
2' - 11 1/2"
**SCALE:** 1" = 1'-0" 4

**NOTE:**

1. **SHRUB PLANTING DETAIL (INDIVIDUAL PLANTING)**

   - **SCALE:** N.T.S. 1
   - **18" MIN.**
   - **8'-0" MAX.**
   - **TREE PROTECTION AREA. REFER PLAN**
   - **1" 3x WIDEST DIMENSION OF ROOT BALL**
   - **TYP. PROTECTION TREE ZONE**

   - **4.**
   - **2.**
   - **1.**

   - **NOTE:**
   - **ENTIRETY OF CONSTRUCTION.**
   - **AND REMOVAL. INCLUDING DURING FENCE INSTALLATION INSIDE THE PROTECTIVE FENCING**
   - **NO EQUIPMENT SHALL BE PERMITTED THE APPROVED AND CERTIFIED ARBORIST. PERMITTED ONLY AT THE DIRECTION OF PRUNING REQUIREMENTS AND PLANT PROTECTION FOR FENCING AND SEE SECTION 01 56 39 - TEMPORARY TREE PROTECTION**

   - **OUTWARD/AWAY FROM ROOT BALL LAYER. MIX SOIL AND COMPACT PLANTING AREA TRANSITION EXISTING SOIL**
   - **DO NOT OVER COMPACT (MAX. 85%) BACKFILL USING SPECIFIED SOIL MIX. FINISH GRADE PLANTING PIT OVER TIME ROOT BALL. MOUND TO SETTLE INTO TEMPORARILY CONTAIN WATER OVER MOUND SOIL MIX APPROX. 1" HIGH TO BASE OF PLANT**
   - **MAINTAIN MULCH 2-3" OFF TRUNK FOR RING SIZE AND THICKNESS. MULCH RING - SEE SPECIFICATION CENTER OF PLANT**
   - **POSITIVE DRAINAGE AWAY FROM FINISH GRADE PROVIDING SET ROOT BALL 1-2" ABOVE PROTECTION FENCE GRADE AT THE TREE**
   - **MAINTAIN EXISTING 4" THICK LAYER OF MULCH BACKGROUND.**
   - **PAINTED RED ON WHITE 12x18", ALL CAP LETTERING SIGNAGE PANEL SIZE:**

   - **TREE PROTECTION FENCE:**
     - **METAL FENCE POST**
     - **VARIES SEE SOILS PLAN**

   - **GRASSES/PERENNIALS/GROUND COVER PLANTINGS**

   - **SCALE:** 3/4" = 1'-0" 2

   - **TREE PLANTING DETAIL (OPEN AREAS - LAWNS & MEADOWS)**

   - **SCALE:** 1" = 1'-0" 5

   - **GRASSES/PERENNIALS/GROUND COVER PLANTINGS**

   - **SCALE:** 3/4" = 1'-0" 2
NEW WORK - GENERAL NOTES:

1. The Contractor shall enter the facility for the first time after normal business hours.
2. All new work noted otherwise shall govern.
3. All dimensions are to face of finish or to center line of column, unless otherwise noted.
4. The Contractor shall channel and patch all existing walls where new work is to be spaced within it. It is the intent for all utilities to be concealed within the walls or utilities are to be concealed within it. The Contractor shall provide access panels in hard ceilings as indicated. Refer to Door and Frame Schedule for all door requirements and opening details.
5. The Contractor shall provide access panels in hard ceilings as noted in the location of ceiling ins/feature wall finishes.
6. The Contractor shall provide access panels in hard ceilings as noted in the case of ins/feature wall finishes. Work to be noted otherwise.
7. The Contractor should inform the Architect if conflicts exist between the Contractor's work and before proceeding with any other work.
8. The Contractor shall provide access panels in hard ceilings as noted in the location of ceiling ins/feature wall finishes. Work to be noted otherwise.
ROOF NEW WORK - GENERAL NOTES

A. Gravel or shingle must slope to drain.
B. Tyvek® using cement mix and air密无缝缝 (4 X 4 1/2) overlap
C. 1/16" of batting hingles/legal required
D. Provide necessary (waste) material for using provisions in provisions above
E. Contours area, not using provisions, may not be used on site
F. Contour provisions, special provision per manufacturer, Typ.
G. Contour provision, special provision per manufacturer, Typ.

A.1. All new roof surfaces must slope to drain
B. The new roofing assembly shall achieve an average thermal value of R-25 continuous insulation
C. 8" of flashing height typical throughout.
D. Provide roofing manufacturers standard details for roofing penetrations not shown in drawings
E. All roofing areas outside of scope that are damaged/altered during new work shall be properly repaired, patched or replaced by the G.C.
F. Coping at brick painted to match brick. Typ.
G. Coping at Curtain wall (CW) painted to match mullions. Typ.
H. Coping at Metal Panels painted to match. Typ.

NEW WORK ROOF PLAN CODES:

NR1 New roof drain and overflow; See Plumbing drawings. Typ.
NR2 Mechanical Equipment. See Mechanical Drawings. Typ.
NEW WORK RCP CODED NOTES

A151

NC1 Provide Motorized Window Shade 122413.1.1, 5% Open. See Spec for more information.
NC2 Provide Motorized Double Window Shade 122413.1.2, 5% Open And Blackout. See Spec For More Information.
### Hollow Metal Door Types

<table>
<thead>
<tr>
<th>Type</th>
<th>Size</th>
<th>Notes</th>
</tr>
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<tbody>
<tr>
<td>AL</td>
<td>3'-0&quot;</td>
<td>Full Vision</td>
</tr>
<tr>
<td>AL</td>
<td>3'-6&quot;</td>
<td>Full Vision</td>
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<tr>
<td>HM</td>
<td>2'-10&quot;</td>
<td>Insulated</td>
</tr>
<tr>
<td>HM</td>
<td>3'-0&quot;</td>
<td>Typical</td>
</tr>
<tr>
<td>IA</td>
<td>3'-1&quot;</td>
<td>Full Vision</td>
</tr>
<tr>
<td>SD</td>
<td>13'-8 1/2&quot;</td>
<td>Full Vision</td>
</tr>
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<td>SD</td>
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<td>Full Vision</td>
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### Sectional Door

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<tbody>
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<td>Full Vision</td>
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<tr>
<td>SD</td>
<td>13'-8 1/2&quot;</td>
<td>Full Vision</td>
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### Hollow Metal Frame Types

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<tr>
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<td>13'-8 1/2&quot;</td>
<td>Full Vision</td>
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### Door Notes

- Hollow metal doors are fire-rated when correctly installed. Refer to door schedule for complete information.

### Automatic Sliding Door

- Painted aluminum frame
- Automatic sliding entrance

### DOOR SCHEDULE

<table>
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<th>Door Type</th>
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<tbody>
<tr>
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<td>3'-0&quot;</td>
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<td>HM1</td>
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### Full Vision Door Frame

- Refer to door schedule for complete information.

### Automatic Sliding Door

- Painted aluminum frame
- Automatic sliding entrance
**Notes:**

The clear floor area is permitted to overlap the water closet, associated grab bars (Item 1028G8) may be utilized in lieu of items

12” 17” 37” 60” min. clear

First Floor
EL. 0”

102813.07.5

With Recess For Changing Table
SS
PT
-

- wall

22” 6” 32”

First Floor
EL. 0”

102813.04

102813.03

RB
SS
PT
-

FRAMED MIRROR
42” X 54” L

TOILET SEAT COVER VENDOR
-

ADJUSTABLE HEIGHT
5’ - 0”

T1

6’ - 11”

3 /A701

3’ - 6”

102813.04

WT

3”

SOAP DISPENSER

FRAMED MIRROR

2’ - 0 3/4”

6’ - 4”

EQ

6’ - 4”

7 /A701

6’ - 4”

4’ - 7 3/8”

S1

2’ - 10”

S2 Sim.

S2 Sim.

U2

WH

WOMENS RR

9 /A701

T B

6’ - 19”

212813.04

TB

SS

WARM

3/8” = 1'-0”

Typical Double Warm Hand Dryer Elevation

C3

118

3/8” = 1'-0”

Advanced Engineering Consultants
MEP Engineer
SMBH
Structural Engineer

462 Ludlow St, Columbus OH 43215

Moody Engineering

evokestudio.com

Franklin Branch

Lockbourne Road, between

Columbus, Ohio 43207

Drawing Issue Dates

Architectural

22150

22150

614

614

495

495

628

628

-6079

-6079

2929

2929

0300

0300

CML Marlo
Franklin Branch

Enlarged Restroom
Plans and Elevations

A701

Sheet Date
2023
1. DESIGN LIVE LOADS:  ROOF SNOW LOAD BASED ON 20 P SF GROUND SNOW LOAD.  ROOF LIVE LOAD = 20 PSF (REDUCIBLE).

2. ROOF CONSTRUCTION:  1 1/2"x20 GAGE TYPE B PAINTED METAL DECK.

3. JOIST SUPPLIER TO DESIGN FOR THE FOLLOWING NET UPLIFT PRESSURES (ASD).  DIMENSION "a" EQUALS ___ FT. SEE ASCE 7 FOR DIAGRAMS OF VARIOUS ROOF PROFILES.

4. AREA 1 (FIELD) - ___ PSF  AREA 2 (EDGE) - ___ PSF  AREA 3 (CORNER) ___ PSF

5. JOIST BRIDGING - PROVIDE TOP AND BOTTOM CHORD BRIDGING AS REQUIRED BY SJI.

6. JOISTS ARE UNIFORMLY SPACED BETWEEN ADJACENT COLUMNS, BEAMS OR WALLS UNLESS NOTED OTHERWISE.

7. REFERENCES:  GENERAL STRUCTURAL NOTES - ;  COLUMN SCHEDULE - ; LINTEL SCHEDULE - .

8. SYMBOL LEGEND:

- INDICATES BOTTOM OF METAL DECK ELEVATION, UNLESS NOTED OTHERWISE.
- INDICATES BEAM REACTION IN KIPS.  SAME BOTH ENDS EXCEPT AS SHOWN.
- INDICATES BEAM SHEAR SPLICE.
- INDICATES FRAMED OPENING - PROVIDE FRAME USING L's 3 1/2x3 1/2x1/4 - 4 SIDES.  CONTRACTOR COORDINATE OPENING SIZES WITH MECHANICAL AND ARCHITECTURAL REQUIREMENTS.  FRAMES ARE REQUIRED AT ROOF DRAINS. SEE ARCHITECTURAL AND MECHANICAL DRAWINGS FOR NUMBERS AND LOCATIONS.
- INDICATES MOMENT AND SHEAR CONNECTION ON PLAN.  SEE SECTION _____.
- INDICATES COLUMN ABOVE.
1. Provide tooled joints in fresh concrete each side of walls where slabs pour through doorways.

2. Provide a #4 bar x 3' - 0" at mid-depth of the slab perpendicular to joints that terminate at a particular joint.

3. Cut every other wire of WWR @ joint.

4. Sawed joint - Cut within 8 hours of slab pour and fill with JT filler.

5. Key formed w/ beveled 1x2 or MTL key formed w/ CL @ mid-depth. Stop all reinf at joint.

6. Paint with bond breaker before placing adjacent slab.

7. Frost depth.

8. Lean concrete. See general notes. Extend min of 6" beyond door swing.


10. GROUT CMU SOLID below grade.

11. Isolation JT w/ filler.

12. Storefront, see arch.

13. Ext slab, see civil.

14. Note: footing step may be scaled where no dim on plan.

SEE PLAN
ABBREVIATIONS

APPROX APPROXIMATE
CONN CONNECTION OR CONNECT
CU IN CUBIC INCH
DEPT DEPARTMENT
DWG DRAWING
OFCI OWNER FURNISHED CONTRACTOR INSTALLED
GPM GALLONS PER MINUTE
UNO UNLESS NOTED OTHERWISE
HGT HEIGHT
PRV PRESSURE REDUCING VALVE
FDC FIRE DEPARTMENT CONNECTION
CAP CAPACITY
GAL GALLONS
STD STANDARD
NTS NOT TO SCALE
NIC NOT IN CONTRACT
(D) EXISTING TO BE DEMOLISHED
PS PRESSURE SWITCH
TS TAMPER SWITCH
FS FLOW SWITCH
FP FIRE PROTECTION
IN INCHES
OH1
LH

FIRE DEPARTMENT CONNECTION
UPRIGHT SPRINKLER HEAD
PRESSURE SWITCH
EXISTING TO REMAIN
PRESSURE GAUGE WITH STOPCOCK
DOUBLE DETECTOR CHECK ASSEMBLY
GLOBE VALVE
BALL VALVE
BUTTERFLY VALVE
PUMP
CAP
ORDINARY
HAZARD
LIGHT

PIPING (FITTINGS, VALVES, AND MISCELLANEOUS)

SHELL OFFICE / RESTAURANT
OTHERWISE NOTED
NOTATIONS

DENSITY
0.15
S
AREA PER SPRINKLER

PITOT: -- PSI
DESIGN AREA
(SQ FT)
---

Q.
NO FABRICATION OR INSTALLATION IS ALLOWED WITHOUT APPROVED SHOP H. CORE DRILL PENETRATIONS IN CONCRETE FLOORS OR WALLS 1-2 INCHES S. ONLY LISTED AND APPROVED DEVICES AND MATERIALS AS SPECIFIED IN NFPA I. ALL OPENINGS OR DAMAGE TO EXISTING WALLS, CEILINGS, FLOORS AND MEMBERS AND CEILINGS ARE APPROXIMATE. VARIANCES OF +/- 1" CAN BE ALLOWED. J. INSTALLATION OF FIREPROOFING SHALL PROCEED AFTER THE STRUCTURAL WORK IS COMPLETED. K. NO STRUCTURAL MEMBERS SHALL BE CUT, DRILLED, OR BURNT WITHOUT THE KNOWLEDGE AND WRITTEN APPROVAL OF THE OWNER. L. PIPE OR TO THE BUILDING SHALL BE LISTED IN ACCORDANCE WITH NFPA 13. TO OBSTRUCTIONS SHALL BE LOCATED TO MINIMIZE OBSTRUCTION TO THE DUCT WORK. STATIONS SHALL BE USED WHERE PIPING IS UNABLE TO DISCHARGE IN ACCORDANCE WITH NFPA 13. LIGHTING FIXTURES, DIFFUSERS, GRILLS, DUCTS, STRUCTURAL MEMBERS, MECHANICAL DAMAGE INCLUDING, BUT NOT LIMITED TO, SPRINKLERS IN AREAS.  COORDINATE THE LOCATION OF ALL PIPING WITH ELECTRICAL ENTRANCES. ENTRY VESTIBULES. STAIRWELLS, AT THE MAIN LANDING, UTILIZING UPRIGHT SPRINKLERS.  BELOW DUCTS, GROUPS OF DUCTS OR OTHER OBSTRUCTIONS PIPED TO DESIGNATED AREAS.  LOCATION OF ALL OUTSIDE DISCHARGE STATIONS SHALL BE BROUGHT TO THE ENGINEERS ATTENTION. THE CONTRACTOR(S) SHALL MAKE PROVISIONS TO ENSURE ADEQUATE DRAINAGE OF SYSTEM. ALL TESTS SHALL BE WITNESSED AND ACCEPTED BY THE AUTHORITY OF PROJECT, AS REQUIRED PER NFPA 13. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AT THE JOB LOCATION. CONTRACTOR SHALL PROVIDE ADDITIONAL OFFSETS OR COMPONENTS NEEDED TO PREVENT CONFLICTS WITH WORK OF OTHER CONTRACTORS. CONTRACTOR SHALL PROVIDE LABELS (WITH FLOW ARROWS) FOR ALL SAFE WORK AREAS. CONTRACTOR SHALL PROVIDE HYDROSTATIC TEST, FINAL FLOW TEST UPON COMPLETION OF INSTALLATION. CONTRACTOR SHALL CONDUCT FIRE HYDRANT FLOW TESTS TO OBTAIN CALCULATED SYSTEM. CONTRACTOR SHALL PROVIDE CONTRACTOR'S MATERIAL AND SUPPORTS. PIPE SHALL NOT INTERFERE WITH OTHER EQUIPMENT AND MECHANICAL DAMAGE INCLUDING, BUT NOT LIMITED TO, SPRINKLERS IN AREAS. CONTRACTOR SHALL PROVIDE GUARDS ON SPRINKLERS SUSCEPTIBLE TO MECHANICAL DAMAGE INCLUDING, BUT NOT LIMITED TO, SPRINKLERS IN AREAS. CONTRACTOR SHALL PROVIDE GUARDS ON SPRINKLERS SUSCEPTIBLE TO MECHANICAL DAMAGE INCLUDING, BUT NOT LIMITED TO, SPRINKLERS IN AREAS. CONTRACTOR SHALL PROVIDE GUARDS ON SPRINKLERS SUSCEPTIBLE TO MECHANICAL DAMAGE INCLUDING, BUT NOT LIMITED TO, SPRINKLERS IN AREAS.

SPRINKLER SYSTEM

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FLOW TEST INFORMATION

FLOW TEST INFORMATION

GENERAL INFORMATION - FIRE PROTECTION

F001
2020
### Abbreviations

- AQUASTAT
- FLOOR OR AREA DRAIN
- WALL HYDRANT OR HOSE BIBB
- SECONDARY STORM WATER HAMMER ARRESTOR
- REDUCED PRESSURE BACKFLOW PREVENTER
- SOLENOID VALVE
- PRESSURE/TEMPERATURE TEST PLUG
- GLOBE VALVE
- THERMOMETER
- PRESSURE REDUCING VALVE
- STRAINER
- BALANCE VALVE
- CHECK VALVE
- BUTTERFLY VALVE
- P-XXX

### Symbols List

- F
- M
- CO
- CO
- 1
- L
- D
- A
- SS
- ST

### Notations

- Piping shall not share supports with other building systems.
- Contractor shall submit system catalog product data sheets of all components needed to prevent conflicts with work of other trades. This will require on-site cutting and verification.
- Piping shall not be packed with fire stop material by trade contractors. Provide all necessary components for fully installed fire stop assemblies. The location of all utility connection points, floor drains and hub drains shall be provided a UL listed through penetration firestop assembly. The contractor shall verify all dimensions and conditions at the job site concerning the location of all utilities in accordance with specifications.
- Core drill penetrations in concrete floors or walls 1-2 inches larger than existing penetrations shall be provided to allow for proper installation of penetrations in the existing building. The contractor shall verify all dimensions and conditions at the job site concerning the location of all utilities in accordance with specifications.
- Piping straight and true to be evenly on hangars and supports. Pipe to the underside of deck as possible. All exposed piping shall be coated or painted per project requirements and local authority having jurisdiction.
- Contractor shall submit shop drawings for approval. Shop drawings shall be submitted for approval.
- All penetrations to be sealed water tight and completely packed with fire stop material by trade contractors. Provide all necessary components for fully installed fire stop assemblies.
- Plumbing shall not share supports with other building systems. In
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6" ST
4" SAN
6" STORM FOR CONTINUATION BY SITE CONTRACTOR.
APPROX. INVERT ELEVATION = 96'-6"

4" SANITARY FOR CONTINUATION BY SITE CONTRACTOR.
APPROX. INVERT ELEVATION = 96'-6"

2" DCW FOR CONTINUATION BY SITE CONTRACTOR.
**MECHANICAL ABBREVIATIONS**

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<th>Abbreviation</th>
<th>Description</th>
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<tr>
<td>BNG</td>
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<td>SAM</td>
<td>Superheated Air</td>
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<td>GZ</td>
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<td>LEQ</td>
<td>Low Efficiency</td>
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<tr>
<td>MTL</td>
<td>Metal</td>
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GENERAL SHEET NOTES

SHEET KEYNOTES

1. Revision Schedule
   No. Description Date
   M102 2023.01.01

1/8" = 1'-0"

11/2/2023
9/28/2023

MECHANICAL

M102
Sheet Title: ROOF PLAN - MECHANICAL

CML Marion
Franklin Branch
Lockbourne Road, between Faber Ave & Evergreen Rd
Columbus, Ohio 43207
**Unit Data**

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<th>Tag</th>
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**VRF Fan Coil Unit Schedule**

**VRF Heat Pump Outdoor Unit Schedule**

**Split System Indoor Unit Schedule**

**Cabinet Unit Heater Schedule (Electric)**

**Electric Baseboard Heater Schedule**

**Air Device Schedule**
### Building Pressure Control

1. Pressure transducers are used to measure the pressure of the airflow at various points in the building. These transducers send signals to a control center, which uses the signals to adjust the pressure in the building as needed. This helps to ensure that the airflow is consistent and that the building's pressure is maintained at the desired level.

2. The control center is typically located in the basement of the building, where it can access the airflow and monitor the pressure levels. The center is equipped with a series of sensors that can detect changes in pressure and make adjustments to the airflow as needed.

### Discharge Air Temperature (DAT) Reset

1. The DAT reset is used to maintain the temperature of the air being discharged from the building. This helps to ensure that the air is at the optimal temperature for comfort and energy efficiency.

2. The reset is typically triggered by changes in the temperature of the air being discharged or by changes in the temperature of the building. The reset adjusts the thermostat to maintain the desired temperature, ensuring that the building remains comfortable and energy-efficient.

### Mode Control

1. Mode control refers to the ability to change the operating mode of the building's HVAC system. This can be done through a variety of methods, including manual controls, automated systems, and computerized controls.

2. The mode control system is typically used to monitor and control the temperature of the building, as well as to ensure that the airflow is consistent and that the building's pressure is maintained at the desired level.
GENERAL SHEET NOTES

1. MINIMUM SIZE FOR ALL SITE CONDUIT SHALL BE 1.25", UNLESS OTHERWISE NOTED.

SHEET KEYNOTES

1. ENCASED PRIMARY DUCT BANK FROM NEW UTILITY POLE, LOCATED WITHIN R/W.
   REFER TO DUCT BANK DETAIL 1/E501. CONDUCTORS AND TERMINATIONS SHALL BE BY
   THE UTILITY COMPANY. COORDINATE DUCT BANK LOCATION WITH OTHER UTILITIES
   MAINTAIN 5' EASEMENT ON EITHER SIDE OF PRIMARY DUCT BANK. PARALLEL UTILITIES
   MUST KEEP OUTSIDE OF THIS EASEMENT.

2. SECONDARY ENCASED DUCT BANK. REFER TO DUCT BANK DETAIL 1/E501.
   CONTRACTOR SHALL PROVIDE CONDUCTORS AND TERMINATION. CONDUIT COUNT
   SHOWN INCLUDES REQUIRED SPARES.

3. ENCASED TELECOM DUCT BANK. REFER TO DUCT BANK DETAIL 1/E501.

4. UTILITY XFMR PAD SHALL BE INSTALLED PER UTILITY COMPANY STANDARDS. REFER
   TO DETAIL X/XX. COORDINATE WITH AEP WHO WILL FURNISH AND INSTALL
   TRANSFORMER.

5. GROUND MOUNTED PULL BOX 17" X 30" QUAZITE PG STYLE, REFER TO DETAIL X/XX.

6. EV CHARGING STATION.

7. PROVIDE KNOX REMOTE POWER BOX AT 60" A.F.G. WITH EMERGENCY STOP BUTTON
   FOR EV CHARGERS. EMERGENCY STOP SHALL TRIGGER SHUNT TRIP IN BREAKER
   SERVING CHARGING UNITS. PROVIDE 120V CIRCUIT BETWEEN ESTOP AND EV
   CHARGER BREAKERS.

8. SECONDARY SERVICE LATERAL SHALL TURN UP WITHIN MAIN ELECTRICAL/MECHANICAL
   ROOM AT SERVICE ENTRANCE EQUIPMENT. REFER TO POWER SHEET E201 FOR EXACT
   LOCATION.

9. PROPOSED UTILITY POLE BY LOCAL ELECTRIC UTILITY CO. SHALL BE LOCATED WITHIN
   R/W. POLE SHALL SERVE AS PRIMARY RISER AND TELECOM RISER.

10. TELECOM DUCT BANK SHALL TURN UP WITHIN MAIN TELECOM ROOM. REFER
    TO TECHNOLOGY SHEET T401 FOR EXACT LOCATION.
GENERAL SHEET NOTES

A. PROVIDE 1/2" SHEET KEYNOTES TO ALL RECEPTABLE MARKERS AND ELECTRICAL EQUIPMENT. REFER TO
B. GENERAL SHEET NOTES IN THIS DRAWING AND GENERAL SCHEDULE SHEET
C. PROVIDE KEY SWITCH FOR MOTORIZED MOVABLE PARTITION TO ACTIVATE THE SYSTEM.
D. PROVIDE FINAL CONNECTIONS AS SHOWN TO ALL ELECTRICAL SYSTEMS SHOWN PER
E. PROVIDE ELECTRICAL SHOCK WARNING LABEL FOR MECHANICAL EFC UNITS.
F. PROVIDE FINAL CONNECTION TO DOOR OPERATOR.
G. COORDINATE FINAL FLOOR BOX LOCATION WITH ARCHITECTURAL FURNITURE PLANS.
H. PROVIDE ADVANCED ENGINEERING CONSULTANTS MACHINE ROOM VOLTAGE CABLE WITH #24 AWG MINIMUM IN 1/2" CONDUIT TO SAFETY SENSORS AT
I. PROVIDE POWER CONNECTION TO MOTORIZED MOVABLE PARTITION (208V, 3PH) AND
J. PROVIDE FINAL CONNECTION TO CONTROLS AS INDICATED IN CODED NOTES 26 AND 27. FIELD VERIFY EXACT REQUIREMENTS WITH VENDOR PRIOR TO
K. PROVIDE PUSH BUTTON SWITCH FOR MOTORIZED MOVABLE PARTITION FOR SAFETY
L. PROVIDE SHEET KEYNOTES CONNECTION TO ROOM SWITCHES. PROVIDE 1/2" CONDUIT BY ELECTRICAL FRED HOGG.

SHEET KEYNOTES

1. PROVIDE POWER CONNECTION TO MOTORIZED MOVABLE PARTITION (208V, 3PH) AND
2. WALL MOUNTED OVERHEAD DOOR CONTROLLER PROVIDED BY DOOR SUPPLIER AND
3. PROVIDE POWER CONNECTION TO MOTORIZED MOVABLE PARTITION (208V, 3PH) AND
4. PROVIDE FINAL CONNECTION TO ALL ELECTRICAL SYSTEMS SHOWN PER
5. PROVIDE KEY SWITCH FOR MOTORIZED MOVABLE PARTITION TO ACTIVATE THE SYSTEM.
6. PROVIDE SHEET KEYNOTES CONNECTION TO ROOM SWITCHES. PROVIDE 1/2" CONDUIT BY ELECTRICAL FRED HOGG.
7. PROVIDE SHEET KEYNOTES CONNECTION TO ROOM SWITCHES. PROVIDE 1/2" CONDUIT BY ELECTRICAL FRED HOGG.
8. PROVIDE SHEET KEYNOTES CONNECTION TO ROOM SWITCHES. PROVIDE 1/2" CONDUIT BY ELECTRICAL FRED HOGG.
9. PROVIDE SHEET KEYNOTES CONNECTION TO ROOM SWITCHES. PROVIDE 1/2" CONDUIT BY ELECTRICAL FRED HOGG.
# LUMINAIRE SCHEDULE

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<th>Ballast</th>
<th>Voltage/Load</th>
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**Notes:**
- EC: ELECTRICAL CONTRACTOR
- PC: PLUMBING CONTRACTOR
- HC: HVAC CONTRACTOR
- ES: EQUIPMENT SUPPLIER
- AC: Architectural Contractor

**Drawing Issue Dates:**
- Design Development Submittal: 09/28/2023
- Schematic Design Plus Submittal: 11/09/2023
- Civil Engineer: Moody Engineering
- Lighting Design: MKSK
- Structural Engineer: SMBH
- MEP Engineer: Advanced Engineering Consultants
- Landscape Architect: MKSK

**Contact Information:**
- Schooley Caldwell
  - Address: 300 Marconi Boulevard, Columbus, OH 43215
  - Phone: 614-628-0300
  - Email: schooleycaldwell.com

**Website:**
- Evoke Studio Architecture
  - Website: evokestudio.com
  - Phone: 919-495-6079

**Revision Schedule:**
- Issue Date: 11/09/2023
- Revision Schedule:
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**Schedule:**
- SCHEDULES - ELECTRICAL
- CML Marion Franklin Branch
  - Address: Lockbourne Road, between Faber Ave & Evergreen Rd, Columbus, Ohio 43207
  - Phone: 614-628-0311
### Panel P1
- **Location**: Mohammad, Franklin Branch
- **Phase**: Single Phase
- **Rating**: 1000 kVA

### Panel P2
- **Location**: Mohammad, Franklin Branch
- **Phase**: Single Phase
- **Rating**: 1000 kVA

### Panel M1
- **Location**: Mohammad, Franklin Branch
- **Phase**: Single Phase
- **Rating**: 1000 kVA

### Panel L1
- **Location**: Mohammad, Franklin Branch
- **Phase**: Single Phase
- **Rating**: 1000 kVA

### Panel EV
- **Location**: Mohammad, Franklin Branch
- **Phase**: Single Phase
- **Rating**: 1000 kVA

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**Supply From**: Phases: 1 2 3 4 5 6 7 8 9 10
- **Panel**: P1
- **Enclosure**: MECHANICAL 111
- **Mounting**: Type 1 Surface
- **Location**: MECHANICAL 111
- **Type**: Mains Rating: 4
- **Wires**: 4
- **Volts**: 120/208 Wye
- **Pole**: A.I.C. Rating: 1 A
- **MCB Rating**: 225 A
- **MLO**: CK

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**Panel P2**
- **Panel**: P2
- **Enclosure**: MECHANICAL 111
- **Mounting**: Type 1 Surface
- **Location**: MECHANICAL 111
- **Type**: Mains Rating: 4
- **Wires**: 4
- **Volts**: 120/208 Wye
- **Pole**: A.I.C. Rating: 1 A
- **MCB Rating**: 225 A
- **MLO**: CK

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**Panel M1**
- **Panel**: M1
- **Enclosure**: MECHANICAL 111
- **Mounting**: Type 1 Surface
- **Location**: MECHANICAL 111
- **Type**: Mains Rating: 4
- **Wires**: 4
- **Volts**: 120/208 Wye
- **Pole**: A.I.C. Rating: 1 A
- **MCB Rating**: 225 A
- **MLO**: CK

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**Panel L1**
- **Panel**: L1
- **Enclosure**: MECHANICAL 111
- **Mounting**: Type 1 Surface
- **Location**: MECHANICAL 111
- **Type**: Mains Rating: 4
- **Wires**: 4
- **Volts**: 120/208 Wye
- **Pole**: A.I.C. Rating: 1 A
- **MCB Rating**: 225 A
- **MLO**: CK

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**Panel EV**
- **Panel**: EV
- **Enclosure**: MECHANICAL 111
- **Mounting**: Type 1 Surface
- **Location**: MECHANICAL 111
- **Type**: Mains Rating: 4
- **Wires**: 4
- **Volts**: 120/208 Wye
- **Pole**: A.I.C. Rating: 1 A
- **MCB Rating**: 225 A
- **MLO**: CK

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UTILITY METER AND CT CABINET. PROVIDE GROUNDING AS DIRECTED BY AEP MAIN DISTRIBUTION PANELBOARD - MDP (ELEC ROOM) 600A, 208/120V, 3Ø, 4W 60/3 30/3 15KV - 208Y/120V, 3Ø
PAD MOUNTED UTILITY TRANSFORMER (COORDINATE WITH UTILITY COMPANY, REFER TO SITE PLAN)

UTILITY SERVICE (AEP) 225/3 225/3
PANEL P1 225/3 200/3 200/3 X00/3 100/3 200/3 WIREWAY, 3R HRU-1A HRU-1B 225A4 225A4 70A3 70A3 70A3 70A3 200/200/3, 3R DOAS-1 200A3 100/70/3,3R 100/70/3,3R 33.2RLA 60A MOCP 32.5RLA 60A MOCP X00A3

PANEL P2 PANEL EV PANEL M1 141.5 MCA 200A MOCP 200A4

PANEL L1 RP1 600S4 X00A3

SPARES
**GENERAL SHEET NOTES**

1. PROVIDE SINGLE PORT DATA OUTLET MOUNTED AT 44" AFF FOR ROOM SCHEDULING SYSTEM, THE OTHER PORT TO SERVE PEOPLE COUNTER.
2. PROVIDE SINGLE PORT DATA OUTLET FOR BAS PANEL. COORDINATE EXACT LOCATION PRIOR TO ROUGH-IN.
3. PROVIDE DUAL PORT CEILING DATA OUTLET. ONE PORT TO SERVE PEOPLE COUNTER, THE OTHER PORT TO SERVE TELEPHONE SYSTEM.
4. PROVIDE FIRE ALARM SILENCER/DING FOR EACH ROOM AND COMMUNICATIONS CABINETS.
5. PROVIDE ALERTING MECHANISMS FOR ALL DOORWAY ENTRANCE/EXIT AREAS.
6. PROVIDE STAMPED INSULATION FOR ALL UTMERED WALLS.
7. PROVIDE INSTALLATION FOR ALL 84" WALLS AFTER COMPLETE INSTALLATION OF ALL SYSTEMS.

**SHEET KEYNOTES**

1. COORDINATE ALL ROUGH-IN AND PATHWAY REQUIREMENTS WITH CONTROLS CONTRACTOR PRIOR TO ROUGH-IN.
2. PROVIDE 12" W X 4" D WIRE MESH CABLE TRAY MOUNTED AT 10'-7" AFF.
3. PROVIDE (3) 4" CONDUIT SLEEVES FOR HORIZONTAL CABLES THROUGH WALL.
4. PROVIDE SINGLE PORT DATA OUTLET MOUNTED AT 44" AFF FOR ROOM SCHEDULING SHEET KEYNOTES

**MECHANICAL POWER DRAWINGS PRIOR TO ROUGH-IN.**

**ELECTRICAL POWER DRAWINGS PRIOR TO ROUGH-IN.**

**HEATING, VENTILATION, AND AIR CONDITIONING (HVAC) SYSTEM, THE OTHER PORT TO SERVE THE THEFT DETERRENT SYSTEM.**