City of Kalamazoo - Crosstown Facility

CPED & KDPS Workplace Renovation

150 E Crosstown Parkway Kalamazoo MI 49001

Project Team

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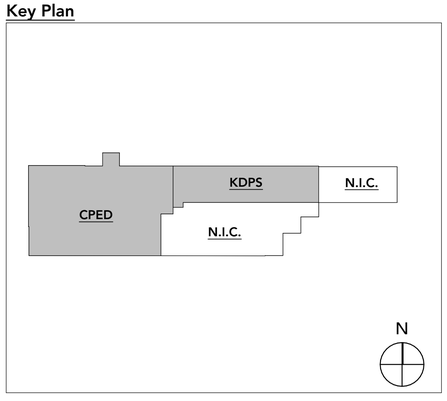
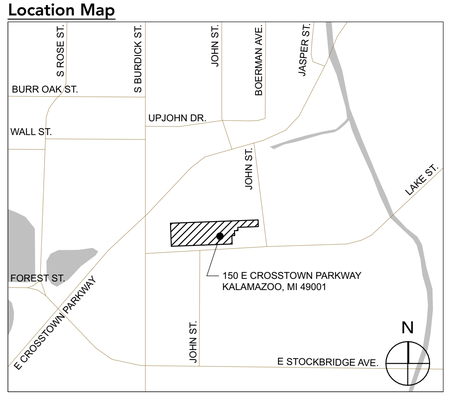
*Image for Context Only

Key Plan



Location Map



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Intersect

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DD Set	07/03/2025

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Cover Sheet

G001

8/29/25 - BIM360://_Intersect AC27 Teamwork Saver - BIM360/cut Basic for Archicad 27/23046 Kzoo Crosstown/23046 Kzoo Crosstown Facility

List of Abbreviations

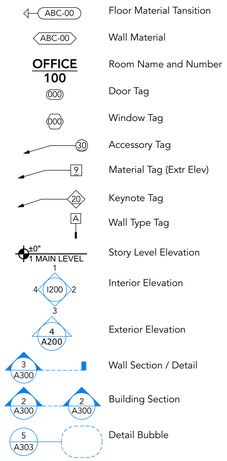
General

A/C - Air Conditioner
AFF - Above Finish Floor
AFG - Above Finish Grade
BO - Bottom of
CLG - Ceiling
DS - Downspout
EF - Exhaust Fan
ELEC - Electrical
EXT - Exterior
GC - General Contractor
INT - Interior
MFR - Manufacturer
OPP - Opposite
PL - Property Line
RD - Roof Drain
REQ - Required
RM - Room
SAN - Sanitary
SD - Smoke Detector
SIM - Similar
TO - Top of
TYP - Typical
UC - Under Counter
UNO - Unless Note Otherwise
VIF - Verify IN Field

Materials

ALUM - Aluminum
CMU - Concrete Masonry Unit
CPT - Carpet
GALV - Galvanized
GYP BD - Gypsum Board
INS - Insulation
LVT - Luxury Vinyl Tile
PLY - Plywood
PTD - Painted
SS - Stainless Steel, Solid Surface
WD - Wood

Symbols Legend



Floor Material Tansition
Wall Material
Room Name and Number
Door Tag
Window Tag
Accessory Tag
Material Tag (Extr Elev)
Keynote Tag
Wall Type Tag
Story Level Elevation
Interior Elevation
Exterior Elevation
Wall Section / Detail
Building Section
Detail Bubble

General Notes:

Code Compliance of Work:

1. All work shall confirm to all local, state, & federal laws, rules & regulations in force at the time of construction.
2. Architectural work shall be in accordance with the 2015 Michigan Building Code & 2015 Michigan Rehabilitation Code for Existing Buildings.
3. Electrical work shall be performed by a State of Michigan licensed Electrician according to the National Electrical Code as modified by the State of Michigan. Furnish & Install all materials and labor to provide a full working electrical system.
4. Plumbing work shall be performed by State of Michigan licensed Plumber according to Michigan Plumbing Code & Local Health Department. Furnish & Install all materials and labor to provide a full working plumbing system.
5. Heating and Air Conditioning shall be performed by State of Michigan Licensed Contractor. All heating & air conditioning shall be according to the Michigan Mechanical Code & the Michigan Energy Code. Furnish & Install all materials and labor to provide a full working HVAC system.
6. All work shall confirm to the Michigan Barrier-Free Design Law & the Americans with Disabilities Act.

Drawings and Dimensions:

1. Drawings are not to be scaled. The provided dimensions take precedence over scale.
2. Contractor is responsible to verify dimensions and existing conditions. If any errors, omissions or discrepancies become apparent, these shall be brought to the attention of the architect prior to construction or ordering of equipment so that the architect may clarify or redesign as needed.
3. Plan dimensions are to finished walls, typical.

Field Conditions:

1. Slab or subfloor height discrepancies may exist across spaces. Once demo is complete, alert Architect of any discrepancies in uniform slab height that may affect installation of new flooring at existing finish floor height.
2. The existing first floor is a structural 2-way slab spanning column line to column line, and penetrations and loading shall be limited. See S100 and S101 for notes.
3. The existing second floor is a structural 2-way slab spanning column line to column line, and penetrations and loading shall be limited. See S102 for notes.
4. The design team is not trained to identify asbestos. If the contractor finds any suspicious material, they should contact the Owner's environmental testing agency. All abatement should be done in accordance to Federal and State laws. Any mention of asbestos in our drawings is circumstantial & was brought to architect's attention by the contractor & should be coordinated with the contractor.
5. Owner to verify locations of existing sump pumps.
6. Owner shall maintain existing elevators per City of Kalamazoo & code requirements.

Gross Floor Area (Existing)

Main Level	54,350 sq ft
Upper Level	53,200 sq ft
Total Square Footage	107,550 sq ft

Gross Floor Area (Proposed)

Main Level (182 sq ft new)	54,532 sq ft
Upper Level (373 sq ft new)	53,573 sq ft
Total Gross Square Footage	**108,105 sq ft**

Code Review:

Applicable Codes:

2021 Michigan Building Code
2021 Michigan Rehabilitation Code for Existing Buildings
2021 Michigan Plumbing Code
2021 Michigan Mechanical Code
2023 National Electrical Code (NFPA 70)
2021 Michigan Commercial Energy Code
Barrier Free Design: ICC/ANSI 117.1 (2017)

Building Use Group (ch 3):
Business Group B - Civic Administration
Assembly Group A-3 - 2nd Floor Meeting Rooms

Type of Construction (ch 6): 2B (IIB) Unprotected Non-Combustible
Combustible materials to conform with MBC section 603.
FRT wood required in partitions per 603.1.1.1.

MRCEB Level 3 Alteration: No change of use

BUILDING IS FULLY SPRINKLED

Building Area (ch 5):
Multistory Sprinklered Building Occupancy B, Construction Type 2B:
Allowable Building Area (Table 506.2): 69,000 sf
Actual Building Area: 54,532 sf - COMPLIES

Mixed Use w/ Accessory Occupancy (ch 5, section 508.2)
Main Occupancy: B: Business
Accessory Occupancy: A-3: Assembly <10% of floor area of each story
1st Floor: Lobby & Meeting Room: 3,920 sf / 54,532 sf = <8% of floor
2nd Floor: Community Meeting Room: 3,770 sf / 53,573 sf = <8% of floor

Occupancy Load (ch 10, section 1004):
Business Areas: 100 SF per person
Assembly w/o fixed seats: 15 sf per person
Fitness: 50 sf per person

Building Occupancy:
1st Floor West (CPED): Business (16,080 sf): 161 persons
Assembly (3,920 sf net): 114 persons
1st Floor East (KDPS): Business (29,338 sf): 271 persons

2nd Floor West (CPED): Business (14,980 sf gross): 150 persons
Assembly (3,770 sf net): 250 persons
2nd Floor East (KDPS): Business (32,233 sf): 250 persons (existing - NIS)

First Floor Total (53,560 sf):	546 persons
Second Floor Total (52,969 sf):	650 persons
Building Total (106,529 sf):	1,221 persons

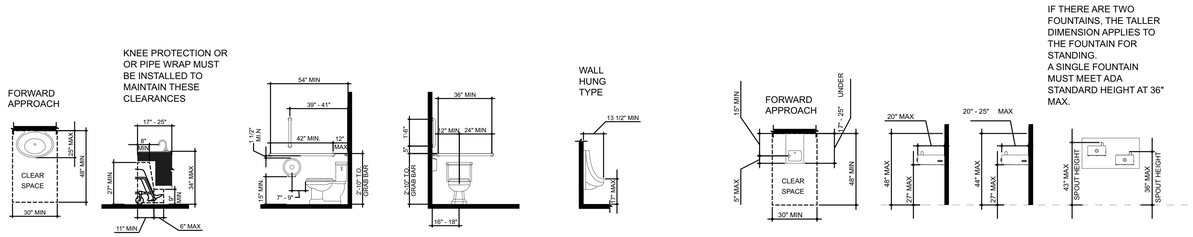
See Egress Plans on next sheet for more information

Plumbing Fixture Count (ch 29): B Business Classification

1st Floor West (CPED): 300 pp
WC: (300p / 50) +1 = 7 WC (4 F/4 M required)
Existing to remain: 8 F / 8 M
Lav: (300p / 80) +1 = 5 Lav (3 F/3 M required)
Existing to remain: 6 F / 6 M
DF: 2 provided + filtered water provided at Work Cafe
SS: Existing mop sink to remain

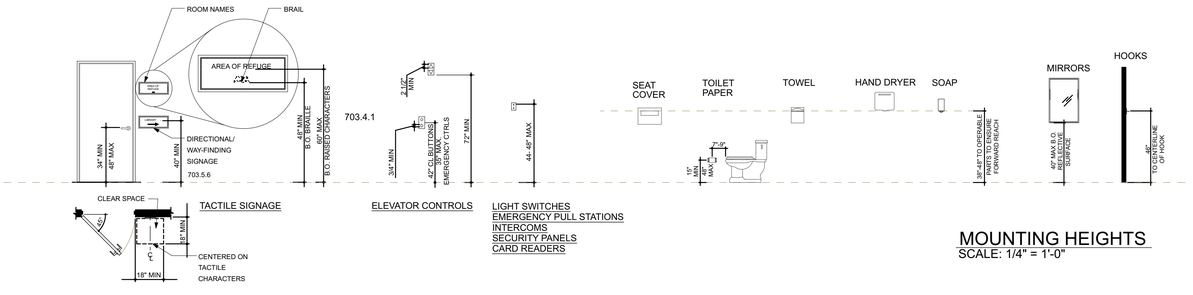
2nd Floor West (CPED): 400 pp - A Assembly Classification
WC: (400p / 50) +1 = 9 WC (5 F/5 M required)
Existing to remain: 5 M / 5 F + 5 Single User RR
Lav: (400p / 80) +1 = 6 Lav (3 F/3 M required)
Existing to remain: 3 F/3 M + 5 Single User RR
DF: (400p / 100) = 4 required, 4 provided
SS: Existing mop sink to remain

1st Floor East (KDPS): 271 pp
WC: (271p / 50) +1 = 7 WC (4 F/4 M required)
Existing to remain: 4 M / 4 F
Lav: (271p / 80) +1 = 5 Lav (3 F/3 M required)
Existing to remain: 3 F/2 M
DF: 2 provided + filtered water provided at Work Cafe
SS: Existing mop sink to remain



RESTROOM CLEARANCES
SCALE: 1/4" = 1'-0"

DRINKING FOUNTAIN CLEARANCES
SCALE: 1/4" = 1'-0"



MOUNTING HEIGHTS
SCALE: 1/4" = 1'-0"

9/8/25 - BIMcloud: Intersect AC27 Teamwork Steve - BIMcloud Basic for Archicad 27/23046 Kzoo Crosstown/23046 Kzoo Crosstown Facility

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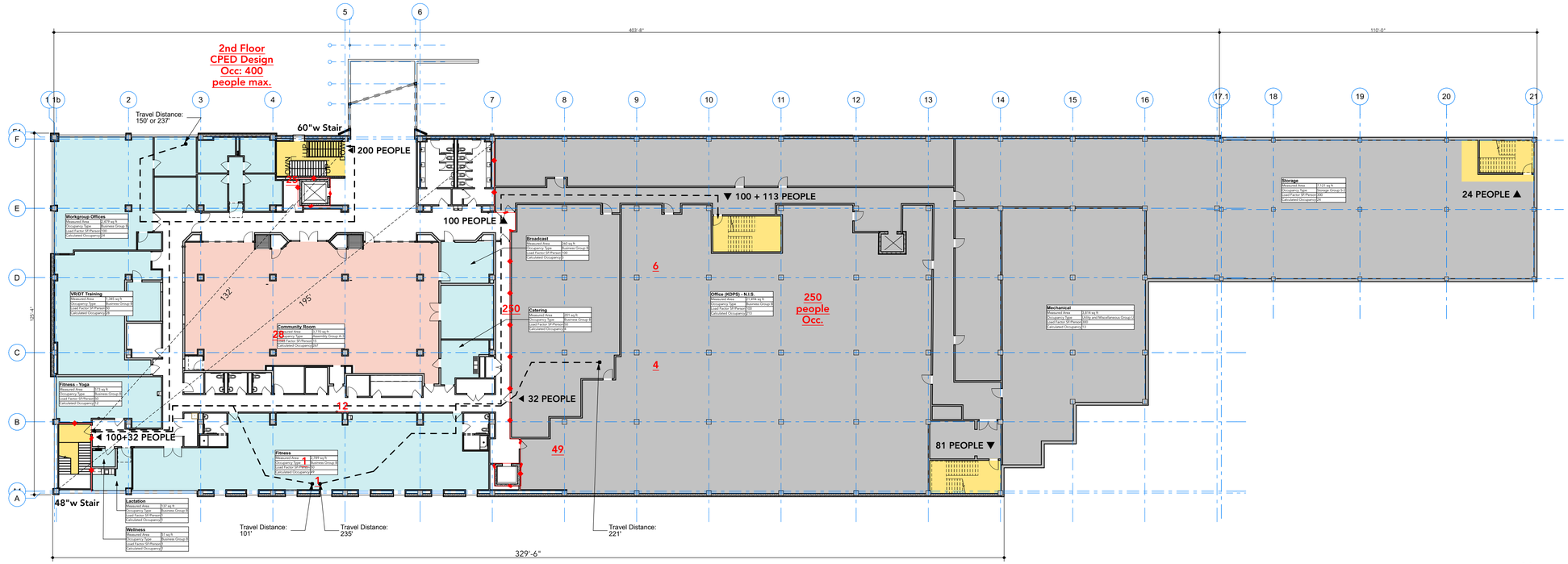
General Notes, Code, and Specifications

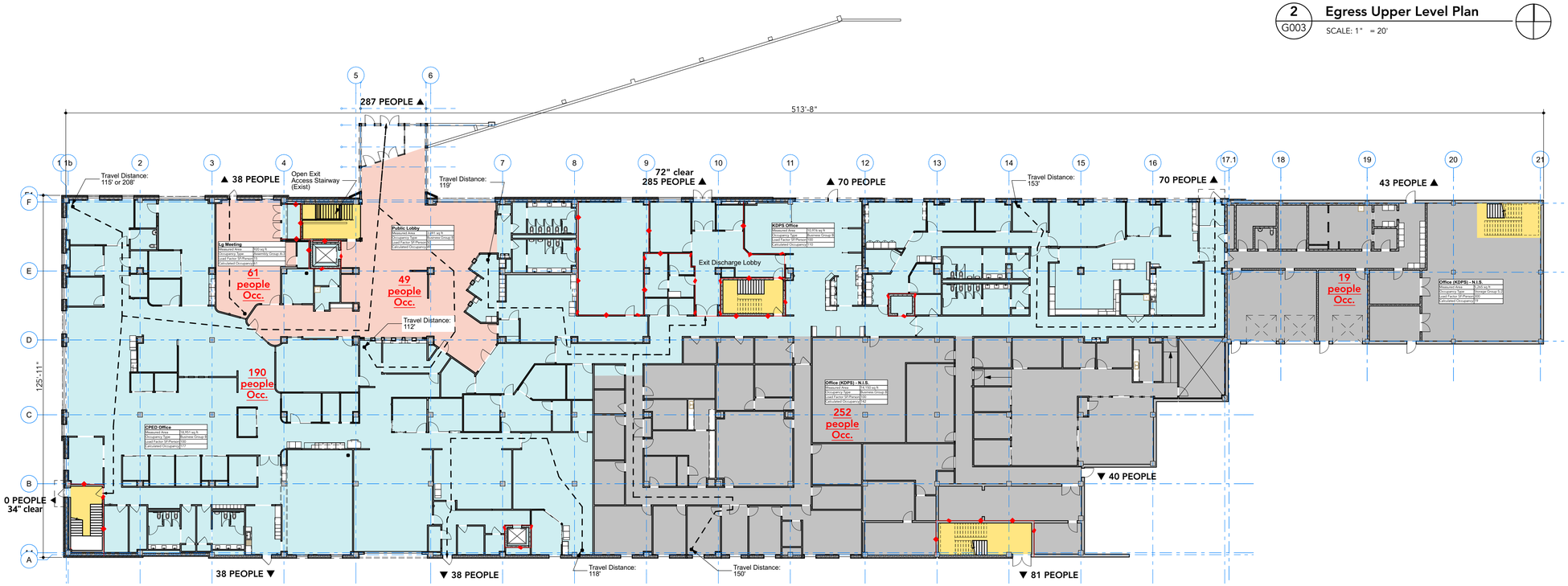
G002



Egress Plan Key

- Maintain 1-HR Rated Assembly
- Stairs
- A3 - Accessory Assembly
- B - Business Occupancy
- No work - Exist Occ. to remain

2 G003 **Egress Upper Level Plan**
SCALE: 1" = 20'



1 G003 **Egress Main Level Plan**
SCALE: 1" = 20'

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Egress Plans

G003

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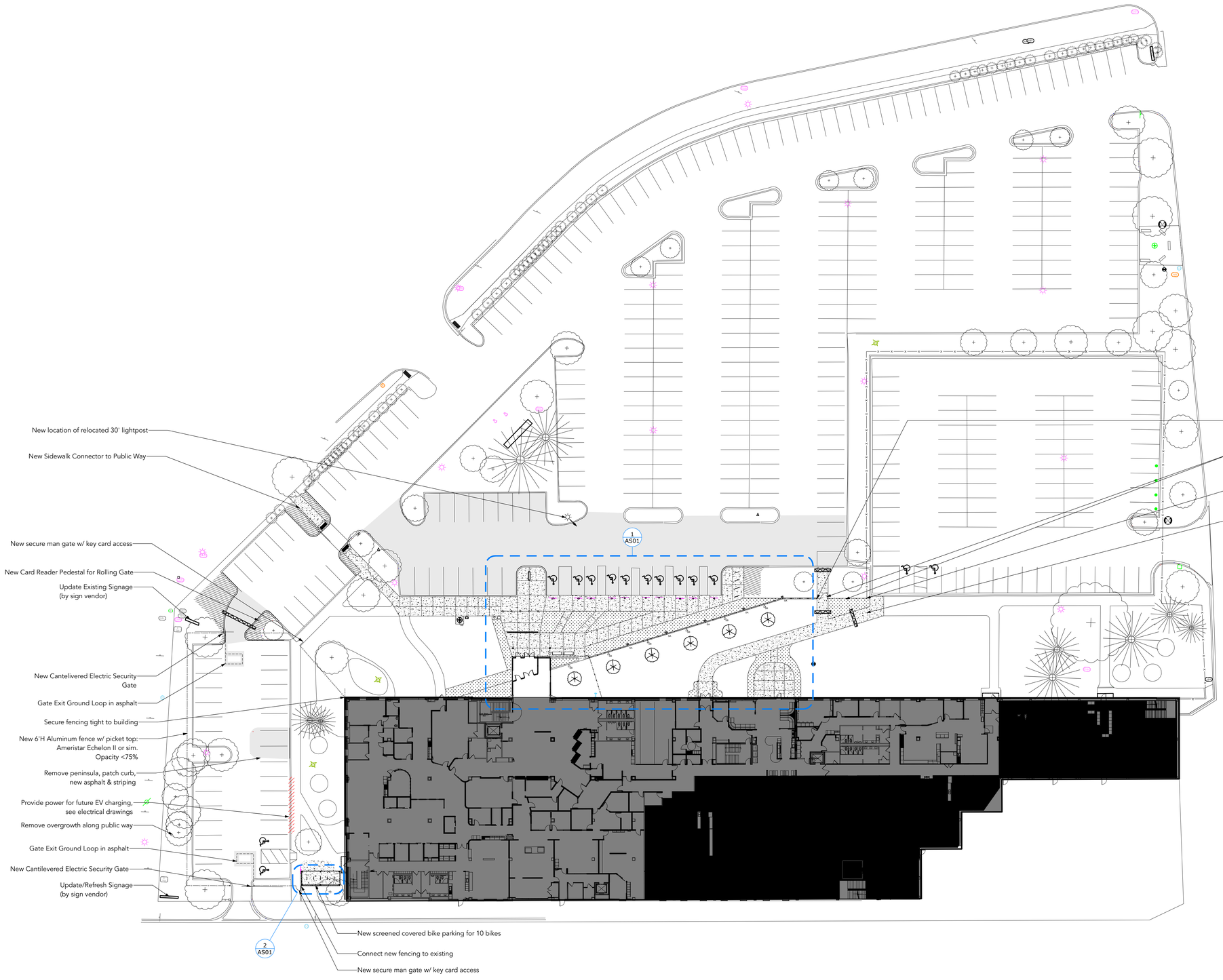
Site General Notes

1. Contact "MISS DIG" at phone number 811 three (3) days prior to the start of construction, excluding Saturdays, Sundays, and holidays.
2. No dimension may be scaled, refer unclear items to the architect for interpretation.
3. Refer to Mechanical, Electrical, Plumbing, Structural & Civil drawings for additional site scope.
4. Upon request, electronic information will be provided for site layout purposes. Contractor shall request all information in writing through intersect studio. Layout of all new construction shall be done by a licensed surveyor.
5. Contractor to restore and repair any existing conditions disturbed by construction to an equal or better condition than before construction began, including buried utilities, lighting, landscaping, irrigation, etc.
6. Concrete flatwork shall not pool water. Slope all pavement for proper drainage of 2% minimum, but do not exceed maximum slope as required by ADA along the accessible route. and at all accessible doors.
7. All pavement, curb & gutter, sidewalk, and utilities within public right of way shall meet City of Kalamazoo standards.
8. Landscaping for reference only. See Civil drawings for additional information.
9. Existing irrigation system and layout to be modified as required for new sitework. Verify existing conditions and areas that will be impacted. Provide submittal showing heads and piping to be relocated where necessary, or to be added new. Provide irrigation at new landscape beds and lawn areas.



Site Plan Key

- New Pavement
- New Asphalt & Striping
- New Landscaping Beds
- New Parking Islands and Curb
- Provide 4" dia. Schedule 40 PVC sleeve for irrigation under new hardscape

1 AS00 **Architectural Site Plan**
SCALE: 1" = 30'

N

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Architectural Site Plan

AS00

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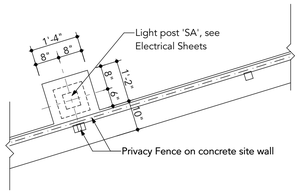
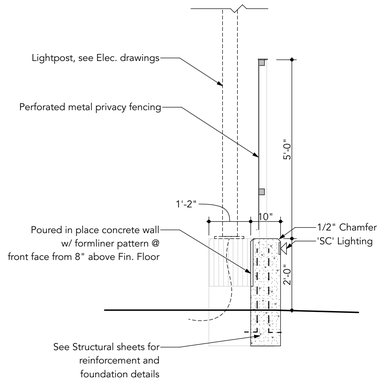


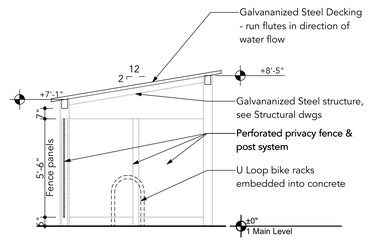
5 AS01 **Site Wall Plan Detail**

SCALE: 1/2" = 1'-0"



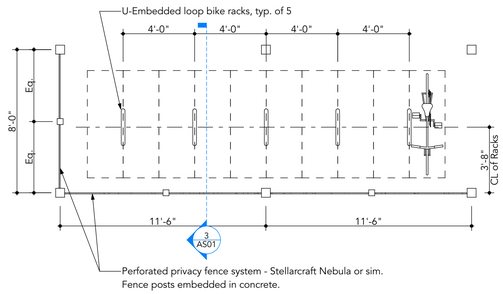
4 AS01 **Site Wall Section**

SCALE: 1/2" = 1'-0"



3 AS01 **Bike Shelter Section**

SCALE: 1/4" = 1'-0"



2 AS01 **Bike Shelter Enlarged Plan**

SCALE: 1/4" = 1'-0"

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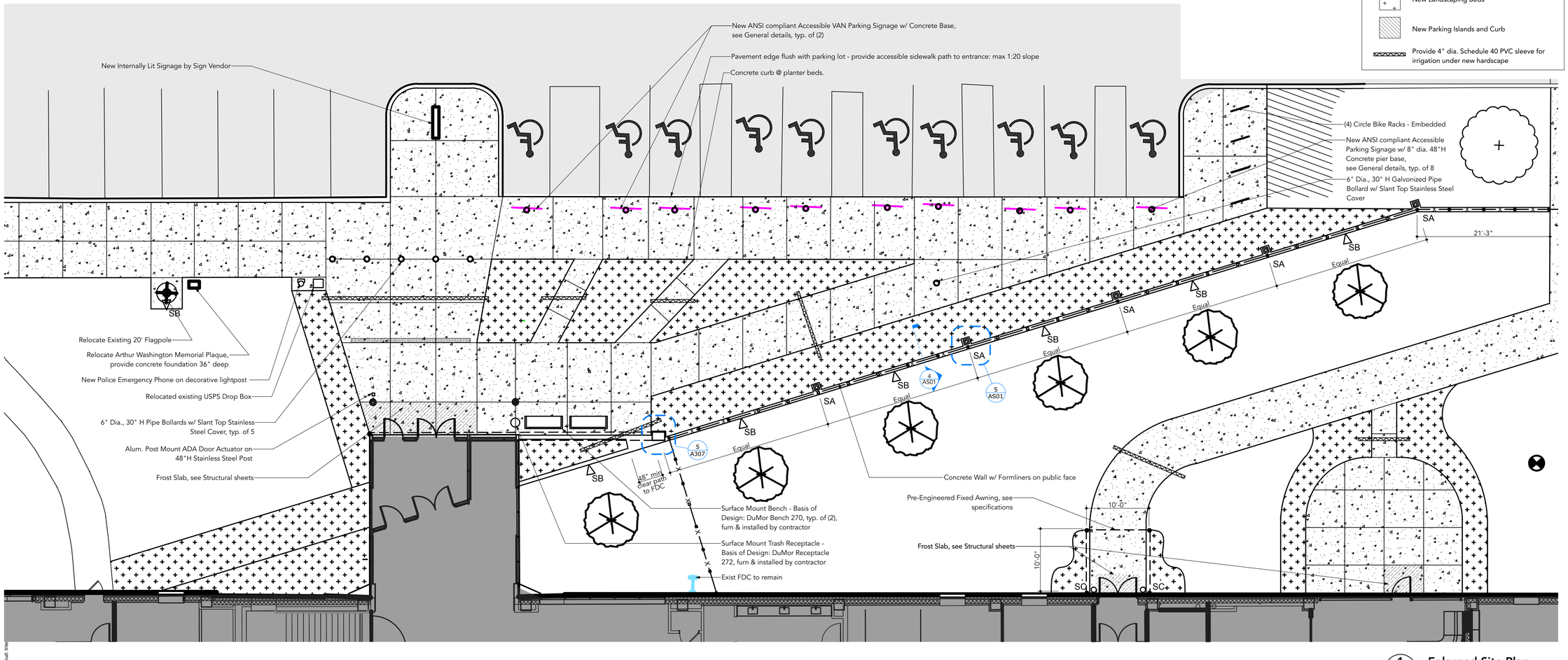
1. Contact "MISS DIG" at phone number 811 three (3) days prior to the start of construction, excluding Saturdays, Sundays, and holidays.
2. No dimension may be scaled, refer unclear items to the architect for interpretation.
3. Refer to Mechanical, Electrical, Plumbing, Structural & Civil drawings for additional site scope.
4. Upon request, electronic information will be provided for site layout purposes. Contractor shall request all information in writing through intersect studio. Layout of all new construction shall be done by a licensed surveyor.
5. Contractor to restore and repair any existing conditions disturbed by construction to an equal or better condition than before construction began, including buried utilities, lighting, landscaping, irrigation, etc.
6. Concrete flatwork shall not pool water. Slope all pavement for proper drainage of 2% minimum, but do not exceed maximum slope as required by ADA along the accessible route. and at all accessible doors.
7. All pavement, curb & gutter, sidewalk, and utilities within public right of way shall meet City of Kalamazoo standards.
8. Landscaping for reference only. See Civil drawings for additional information.
9. Existing irrigation system and layout to be modified as required for new sitework. Verify existing conditions and areas that will be impacted. Provide submittal showing heads and piping to be relocated where necessary, or to be added new. Provide irrigation at new landscape beds and lawn areas.

Site Plan Key

- New Pavement
- New Asphalt & Striping
- New Landscaping Beds
- New Parking Islands and Curb
- Provide 4" dia. Schedule 40 PVC sleeve for irrigation under new hardscape



1 AS01 **Enlarged Site Plan**

SCALE: 1/8" = 1'-0"

9/8/25 - BMAbdud Intersect

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Site Enlarged Plan & Details

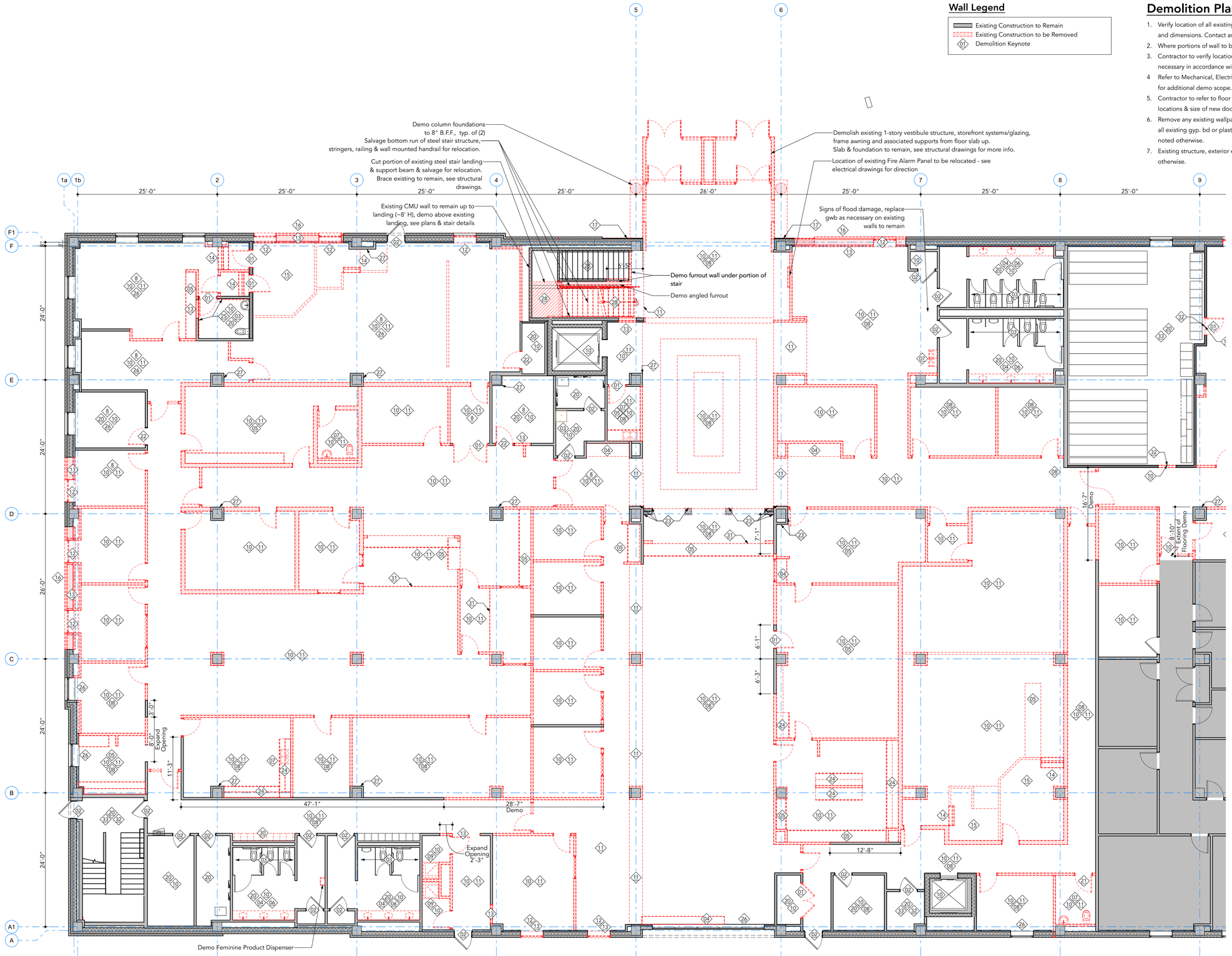
AS01

Wall Legend

- Existing Construction to Remain
- Existing Construction to be Removed
- 01 Demolition Keynote

Demolition Plan Notes

1. Verify location of all existing structural elements, existing wall systems, and dimensions. Contact architect with any discrepancies.
2. Where portions of wall to be removed, brace structure as needed.
3. Contractor to verify locations where existing exterior finish removal is necessary in accordance with new work.
4 Refer to Mechanical, Electrical, Plumbing, Structural & Civil drawings for additional demo scope.
5. Contractor to refer to floor plans and door and window schedule for locations & size of new door and window openings.
6. Remove any existing wallpaper, wall base, or other non-paint finish on all existing gyp. bd or plaster walls or column wraps to remain, unless noted otherwise.
7. Existing structure, exterior envelope & glazing to remain unless noted otherwise.



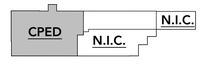
1 A001 **Demolition Main Level Plan**

SCALE: 1/8" = 1'-0"

N

Demolition Plan Keynotes

01 Remove existing door, frame, and frame anchors.
02 Existing door & frame to remain. See door schedule for hardware notes.
03 Existing plumbing fixtures and grab bars to remain.
04 Remove countertops & any sinks. Maintain & temporarily cap plumbing for new fixtures.
05 Remove casework.
06 Ceramic wall tile wainscot and toilet partitions to remain. See enlarged TR plans for more info on accessories. Demo mirrors and vanity lighting for replacement. Demo wallpaper where existing.
07 Remove plumbing fixtures. See Plumbing dwgs.
08 Remove wall trim, wallpaper, or other non-paint wall finishes back to sheathing/gyp. bd.
09 Remove shower, accessories, and tile surround back to sheathing on existing walls to remain. See plumbing sheets.
10 Remove exist. flooring back to concrete or terrazzo slab and associated wall base or cove base.
11 Remove exist. ceiling, lighting, bulkheads, and diffusers, U.N.O. Salvage clean 2x2 standard tegular tiles to reuse/replace elsewhere in building.
12 Remove exist. window & frame. See window schedule for new opening dimensions.
13 Cut into exist. wall material to create new opening. Intent at exterior masonry walls is for opening to align with nearest existing grout lines. Brace as necessary until new structure is in place (see structural dwgs). See floor plans, window sched. and door sched. for new opening type and size.
14 Remove exist. stair and associated handrail(s).
15 Remove existing raised floors and associated elements and casework.
16 Salvage outer exist. brick layer to be removed for reuse.
17 Remove outer exist. EIFS layer & clean brick.
18 Remove exterior shaft & structure back to exterior brick.
19 Ceramic wall tile wainscot to remain. See enlarged TR plans for more info on accessories. Demo vanity lighting for replacement. Demo wallpaper.
20 Remove existing lighting. Existing ceiling and grid to remain.
21 Remove existing door, frame, and frame anchors & salvage for reuse.
22 Remove existing door only, existing frame to remain.
23 Remove existing wall finishes and sheathing back to studs for future bullet resistant construction.
24 Casework to be salvaged & stored for reuse. Salvage standard double door/single door base cabinets and wall cabinets, and all cabinets with finished end panels. Demo countertops, typ. Any tag #XXX.X shown is associated with new room number for relocation. See Floor Plans & Elevations for more info.
25 Demo tile wainscot on north & west walls only. Demo vanity lighting for replacement. Remove wallpaper throughout.
26 Windows & sills to remain. Demo blinds.
27 Demo existing wall up to 8'-11" AFF, leave framing for bulkhead at existing ceiling above.
28 Remove terrazzo back to stair landing/structure.
29 Removal of existing door and/or frame may be necessary - coordinate with Owner's Access Control vendor.
30 Demolish metal lockers & stud/gyp header up to 7'-0" AFF.
31 Demolish existing overhead coiling grille or operable partition.
32 Existing flooring to remain.
33 Existing wall finishes and/or wall protection to remain.
34 Existing ceiling & lighting to remain.
35 Existing casework & countertops to remain.
36 Salvage existing door and frame for swing change re-installation in same location.



Key Plan - CPED

intersect

City of Kalamazoo - Crosstown Facility
CPED & KDPS Workplace Renovation
150 E Crosstown Parkway Kalamazoo MI 49001

NOT FOR REGULATORY APPROVAL, PERMITTING, OR CONSTRUCTION

Bid Set	08/21/2025
Site Plan Review	07/31/2025
DD Set	07/03/2025

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Project Number: 23-046

Demolition Plan - Main Level CPED

A001

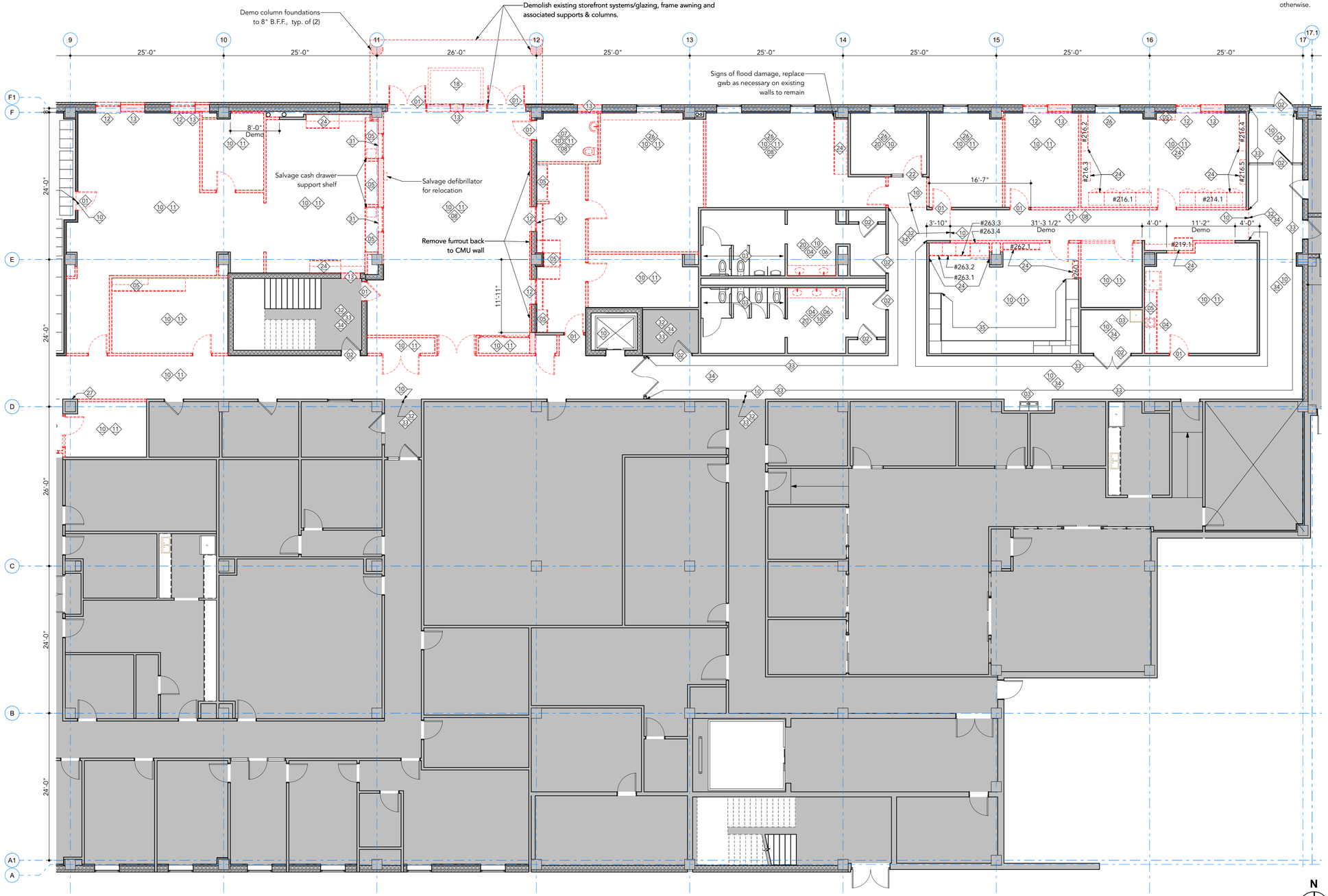
9/8/25 BIM360://_Intersect AC27 Treatment Sewer - BIM360/ud Basic for Architect 27/23046 Kzoo Crosstown/23046 Kzoo Crosstown Facility

Wall Legend

- Existing Construction to Remain
- Existing Construction to be Removed
- 01 Demolition Keynote

Demolition Plan Notes

1. Verify location of all existing structural elements, existing wall systems, and dimensions. Contact architect with any discrepancies.
2. Where portions of wall to be removed, brace structure as needed.
3. Contractor to verify locations where existing exterior finish removal is necessary in accordance with new work.
4. Refer to Mechanical, Electrical, Plumbing, Structural & Civil drawings for additional demo scope.
5. Contractor to refer to floor plans and door and window schedule for locations & size of new door and window openings.
6. Remove any existing wallpaper, wall base, or other non-paint finish on all existing gyp. bd or plaster walls or column wraps to remain, unless noted otherwise.
7. Existing structure, exterior envelope & glazing to remain unless noted otherwise.

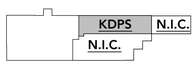


Demolition Plan Keynotes

01 Remove existing door, frame, and frame anchors.
02 Existing door & frame to remain. See door schedule for hardware notes.
03 Existing plumbing fixtures and grab bars to remain.
04 Remove countertops & any sinks. Maintain & temporarily cap plumbing for new fixtures.
05 Remove casework.
06 Ceramic wall tile wainscot and toilet partitions to remain. See enlarged TR plans for more info on accessories. Demo mirrors and vanity lighting for replacement. Demo wallpaper where existing.
07 Remove plumbing fixtures. See Plumbing dwgs.
08 Remove wall trim, wallpaper, or other non-paint wall finishes back to sheathing/gyp. bd.
09 Remove shower, accessories, and tile surround back to sheathing on existing walls to remain. See plumbing sheets.
10 Remove exist. flooring back to concrete or terrazzo slab and associated wall base or cove base.
11 Remove exist. ceiling, lighting, bulkheads, and diffusers, U.N.O. Salvage clean 2x2 standard tegular tiles to reuse/replace elsewhere in building.
12 Remove exist. window & frame. See window schedule for new opening dimensions.
13 Cut into exist. wall material to create new opening. Intent at exterior masonry walls is for opening to align with nearest existing grout lines. Brace as necessary until new structure is in place (see structural dwgs). See floor plans, window sched. and door sched. for new opening type and size.
14 Remove exist. stair and associated handrail(s).
15 Remove existing raised floors and associated elements and casework.
16 Salvage outer exist. brick layer to be removed for reuse.
17 Remove outer exist. EIFS layer & clean brick.
18 Remove exterior shaft & structure back to exterior brick.
19 Ceramic wall tile wainscot to remain. See enlarged TR plans for more info on accessories. Demo vanity lighting for replacement. Demo wallpaper.
20 Remove existing lighting. Existing ceiling and grid to remain.
21 Remove existing door, frame, and frame anchors & salvage for reuse.
22 Remove existing door only, existing frame to remain.
23 Remove existing wall finishes and sheathing back to studs for future bullet resistant construction.
24 Casework to be salvaged & stored for reuse. Salvage standard double door/single door base cabinets and wall cabinets, and all cabinets with finished end panels. Demo countertops, typ. Any tag #XXX.X shown is associated with new room number for relocation. See Floor Plans & Elevations for more info.
25 Demo tile wainscot on north & west walls only. Demo vanity lighting for replacement. Remove wallpaper throughout.
26 Windows & sills to remain. Demo blinds.
27 Demo existing wall up to 8'-11" AFF, leave framing for bulkhead at existing ceiling above.
28 Remove terrazzo back to stair landing/structure.
29 Removal of existing door and/or frame may be neccessary - coordinate with Owner's Access Control vendor.
30 Demolish metal lockers & stud/gyp header up to 7'-0" AFF.
31 Demolish existing overhead coiling grille or operable partition.
32 Existing flooring to remain.
33 Existing wall finishes and/or wall protection to remain.
34 Existing ceiling & lighting to remain.
35 Existing casework & countertops to remain.
36 Salvage existing door and frame for swing change re-installation in same location.

1 / A002 **Demolition Main Level Plan**
SCALE: 1/8" = 1'-0"

N



Key Plan - KDPS

intersect

City of Kalamazoo - Crosstown Facility
CPED & KDPS Workplace Renovation
150 E Crosstown Parkway Kalamazoo MI 49001

NOT FOR REGULATORY APPROVAL, PERMITTING, OR CONSTRUCTION

Bid Set	08/21/2025
Site Plan Review	07/31/2025
DD Set	07/03/2025

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Project Number: 23-046

Demolition Plan - Main Level KDPS

A002

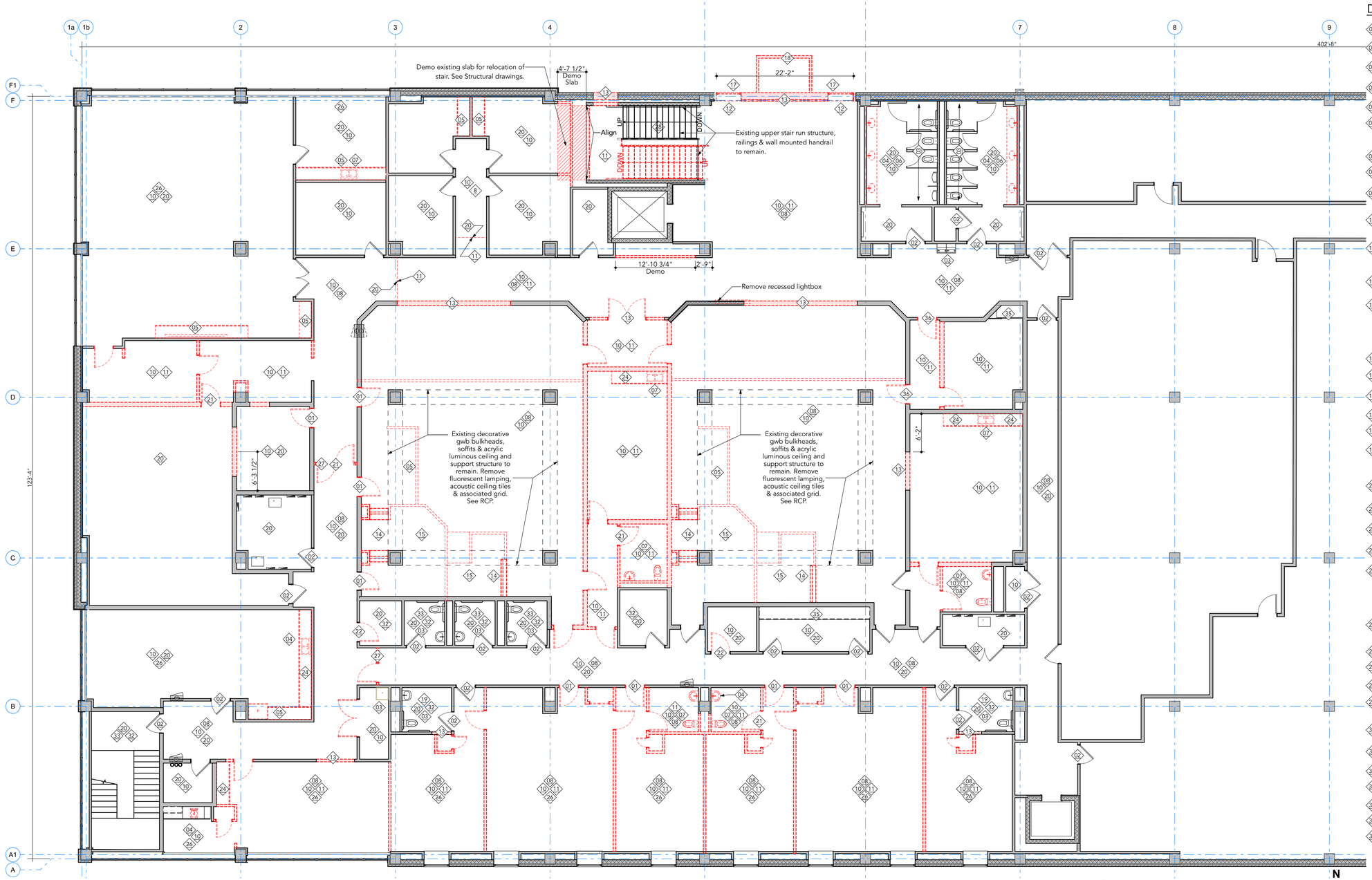
9/8/25 - BIM360://_Intersect Arc27 Teamwork Sever - BIM360://Basic for Architect 27/23046 Kzoo Crosstown/23046 Kzoo Crosstown Facility

Wall Legend

- Existing Construction to Remain
- Existing Construction to be Removed
- 01 Demolition Keynote

Demolition Plan Notes

1. Verify location of all existing structural elements, existing wall systems, and dimensions. Contact architect with any discrepancies.
2. Where portions of wall to be removed, brace structure as needed.
3. Contractor to verify locations where existing exterior finish removal is necessary in accordance with new work.
4. Refer to Mechanical, Electrical, Plumbing, Structural & Civil drawings for additional demo scope.
5. Contractor to refer to floor plans and door and window schedule for locations & size of new door and window openings.
6. Remove any existing wallpaper, wall base, or other non-paint finish on all existing gyp. bd or plaster walls or column wraps to remain, unless noted otherwise.
7. Existing structure, exterior envelope & glazing to remain unless noted otherwise.



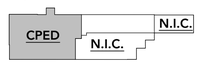
Demolition Plan Keynotes

01 Remove existing door, frame, and frame anchors.
02 Existing door & frame to remain. See door schedule for hardware notes.
03 Existing plumbing fixtures and grab bars to remain.
04 Remove countertops & any sinks. Maintain & temporarily cap plumbing for new fixtures.
05 Remove casework.
06 Ceramic wall tile wainscot and toilet partitions to remain. See enlarged TR plans for more info on accessories. Demo mirrors and vanity lighting for replacement. Demo wallpaper where existing.
07 Remove plumbing fixtures. See Plumbing dwgs.
08 Remove wall trim, wallpaper, or other non-paint wall finishes back to sheathing/gyp. bd.
09 Remove shower, accessories, and tile surround back to sheathing on existing walls to remain. See plumbing sheets.
10 Remove exist. flooring back to concrete or terrazzo slab and associated wall base or cove base.
11 Remove exist. ceiling, lighting, bulkheads, and diffusers, U.N.O. Salvage clean 2x2 standard tegular tiles to reuse/replace elsewhere in building.
12 Remove exist. window & frame. See window schedule for new opening dimensions.
13 Cut into exist. wall material to create new opening. Intent at exterior masonry walls is for opening to align with nearest existing grout lines. Brace as necessary until new structure is in place (see structural dwgs). See floor plans, window sched. and door sched. for new opening type and size.
14 Remove exist. stair and associated handrail(s).
15 Remove existing raised floors and associated elements and casework.
16 Salvage outer exist. brick layer to be removed for reuse.
17 Remove outer exist. EIFS layer & clean brick.
18 Remove exterior shaft & structure back to exterior brick.
19 Ceramic wall tile wainscot to remain. See enlarged TR plans for more info on accessories. Demo vanity lighting for replacement. Demo wallpaper.
20 Remove existing lighting. Existing ceiling and grid to remain.
21 Remove existing door, frame, and frame anchors & salvage for reuse.
22 Remove existing door only, existing frame to remain.
23 Remove existing wall finishes and sheathing back to studs for future bullet resistant construction.
24 Casework to be salvaged & stored for reuse. Salvage standard double door/single door base cabinets and wall cabinets, and all cabinets with finished end panels. Demo countertops, typ. Any tag #XXX.X shown is associated with new room number for relocation. See Floor Plans & Elevations for more info.
25 Demo tile wainscot on north & west walls only. Demo vanity lighting for replacement. Remove wallpaper throughout.
26 Windows & sills to remain. Demo blinds.
27 Demo existing wall up to 8'-11" AFF, leave framing for bulkhead at existing ceiling above.
28 Remove terrazzo back to stair landing/structure.
29 Removal of existing door and/or frame may be neccessary - coordinate with Owner's Access Control vendor.
30 Demolish metal lockers & stud/gyp header up to 7'-0" AFF.
31 Demolish existing overhead coiling grille or operable partition.
32 Existing flooring to remain.
33 Existing wall finishes and/or wall protection to remain.
34 Existing ceiling & lighting to remain.
35 Existing casework & countertops to remain.
36 Salvage existing door and frame for swing change re-installation in same location.

1 / A003 **Demolition Upper Level Plan**
SCALE: 1/8" = 1'-0"

N

Key Plan - CPED



intersect

City of Kalamazoo - Crosstown Facility
CPED & KDPS Workplace Renovation
150 E Crosstown Parkway Kalamazoo MI 49001

NOT FOR REGULATORY APPROVAL, PERMITTING, OR CONSTRUCTION

Bid Set	08/21/2025
Site Plan Review	07/31/2025
DD Set	07/03/2025

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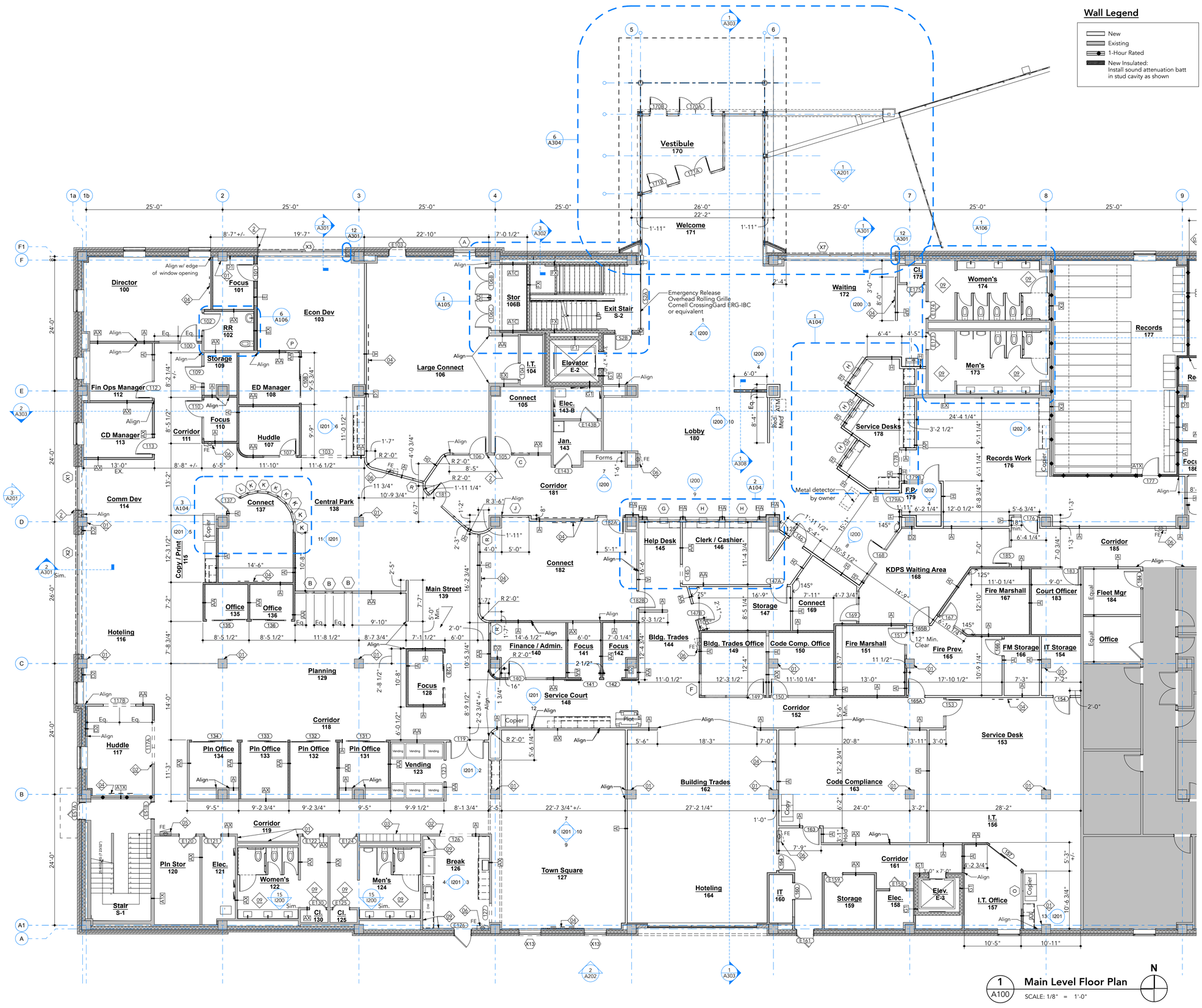
Project Number: 23-046

Demolition Plan - Upper Level CPED

A003

9/8/25 - BIMcloud: Intersect AC27 Testmerk Sever - BIMcloud Basic for Archicad 27/23046 Kzoo Crosstown/23046 Kzoo Crosstown Facility


Vestibule 170
Welcome 171
Director 100
Focus 101
Econ Dev 103
RR 102
Storage 109
Fin Ops Manager 112
ED Manager 108
CD Manager 113
Corridor 111
Focus 110
Huddle 107
Comm Dev 114
Connect 137
Central Park 138
Copy / Print 115
Office 135
Office 136
Hoteling 116
Huddle 117
Planning 129
Focus 128
Corridor 118
Pln Office 134
Pln Office 133
Pln Office 132
Pln Office 131
Vending 123
Corridor 119
Pln Stor 120
Elec. 121
Women's 122
Men's 124
Cl. 130
Cl. 125
Break 126
Stair S-1
Large Connect 106
Stor 106B
Exit Stair S-2
I.T. 104
Elevator E-2
Connect 105
Elec. 143-B
Jan. 143
Corridor 181
Connect 182
Main Street 139
Help Desk 145
Clerk / Cashier 146
Storage 147
Finance / Admin. 140
Focus 141
Focus 142
Bldg. Trades 144
Service Court 148
Town Square 127
Hoteling 164
Emergency Release Overhead Rolling Grille Cornell CrossingGard ERG-IBC or equivalent
Lobby 180
Waiting 172
Cl. 179
Women's 174
Men's 173
Records 177
Service Desks 178
Records Work 176
F.P. 179
Metal detector by owner
KDPS Waiting Area 168
Fire Marshall 167
Court Officer 183
Corridor 185
Fleet Mgr 184
Office
Connect 169
Bldg. Trades Office 149
Code Comp. Office 150
Fire Marshall 151
Fire Prev. 165
FM Storage 166
IT Storage 154
Corridor 152
Service Desk 153
Building Trades 162
Code Compliance 163
I.T. 156
Corridor 161
Storage 159
Elec. 158
Elev. E-3
IT 160
I.T. Office 157
Align w/ edge of window opening
Emergency Release Overhead Rolling Grille Cornell CrossingGard ERG-IBC or equivalent
Metal detector by owner
Sim.
Min.
Clear
Hold
Copier
Plot
Vending
Forms
Eq.
Align
1a
1b
2
3
4
5
6
7
8
9
F1
F
E
D
C
B
A1
A
25'-0"
26'-0"
22'-2"
22'-10"
19'-7"
8'-7"+/-
7'-0 1/2"
1'-11"
2'-4"
24'-0"
13'-2"
14'-0"
12'-3 1/2"
7'-2"
7'-8 3/4"
8'-2 1/4" +/-
8'-5 1/2"
9'-9"
11'-0 1/2"
9'-5 3/4"
4'-0 3/4"
6'-7"
10'-8"
2'-5"
16'-2 3/4"
10'-5 3/4"
2'-8 1/2"
6'-0 1/2"
8'-9 1/2"
2'-2 3/4" +/-
1 3/4"
11'-3"
9'-5"
9'-2 3/4"
9'-5"
9'-9 1/2"
8'-1 3/4"
2'-5"
22'-7 3/4" +/-
27'-2 1/4"
1'-0"
6'-4"
4'-5"
24'-4 1/4"
3'-2 1/2"
9'-1 1/4"
6'-1 1/4"
8'-8 3/4"
5'-6 3/4"
6'-4 1/4"
12'-0 1/2"
1'-3"
7'-0 3/4"
7'-0"
3'-0"
8'-0"
6'-0"
8'-4"
5'-6"
18'-3"
7'-0"
20'-8"
3'-11"
3'-0"
28'-2"
24'-0"
3'-2"
6'-2"
5'-4" Min.
12'-2 3/4"
10'-4 3/4"
5'-3" +/-
10'-5"
10'-11"
13'-0"
11'-10 1/4"
17'-10 1/2"
10'-9 1/4"
7'-3"
2'-0"
11'-0 1/4"
9'-0"
12'-10"
14'-9"
16'-9"
7'-11"
4'-7 3/4"
11'-4 3/4"
8'-5 1/4"
15'-1"
5'-4"
1'-11 1/2"
10'-5 1/2"
5'-1"
16'-6"
2'-1"
5'-3 1/2"
7'-0 1/4"
6'-0"
14'-6 1/2"
2 1/2"
11'-0 1/2"
12'-3 1/2"
12'-4"
11 1/2"
13'-7"
5'-6 1/4"
6'-2"
2'-3"
4'-0"
5'-0"
1'-11"
1'-11 1/4"
R 2'-0"
R 3'-6"
11 3/4"
10'-9 3/4"
1'-7"
1'-6"
13'-0" EX.
8'-8" +/-
6'-5"
11'-10"
11'-6 1/2"
8'-5"
1'-11 1/2"
1'-2"
2'-3"
1'-11"
5'-0"
4'-0"
5'-1"
16'-6"
2'-5"
7'-7"
5'-0" Min.
2'-0"
6'-0"
7'-1 1/2"
8'-7 3/4"
9'-10"
11'-8 1/2"
8'-5 1/2"
14'-6"
10'-8"
7'-3 1/2"
12'-3 1/2"
13'-2"
24'-0"
26'-0"
24'-0"
24'-0"
14'-0"
24'-0"
11'-3"
24'-0"
24'-0"
X1
X2
X3
X4
X5
X6
X7
X8
X9
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X11
X12
X13
X14
X15
X16
X17
X18
X19
X20
X21
X22
X23
X24
X25
X26
X27
X28
X29
X30
X31
X32
X33
X34
X35
X36
X37
X38
X39
X40

Wall Legend

- New
- Existing
- 1-Hour Rated
- New Insulated: Install sound attenuation batt in stud cavity as shown

Floor Plan Notes

1. Verify location of all existing structural elements, existing wall systems, and dimensions. Report to architect any discrepancies or omissions which would interfere with satisfactory completion of the work per the plans.
2. See Mechanical, Electrical, Plumbing, Structural, Civil & Technology drawings for additional scope & information.
3. See A400 sheets for door and window schedules.
4. See Interiors sheets for finish schedules and additional information regarding design intent.
5. Wall dimensions are to face of masonry, face of concrete, face of gyp. bd., column centerline as shown or existing construction, unless noted otherwise.
6. Provide FRT blocking in walls or ceilings as required for mounting cabinetry, shelving, fixtures, monitors, grab bars, lighting, owner provided equipment, etc. Provide 3/4" FRT plywood in larger zones as needed.
7. Where previous finishes have been removed and surfaces are existing to remain, prepare slabs and walls for new finishes.
8. Patch & repair any damage to existing column wraps or existing walls to remain after demo & prep for new finish.
9. Ensure equipment to remain (including plumbing fixtures, casework, and equipment) is in good working order. Contact owner/architect if items are determined to be in unacceptable condition and should be replaced.
9. Kitchen appliances to be provided by owner and installed by contractor.
11. Provide expansion joints or control joints per manufacturer's recommendations and/or where new finishes meet existing.
12. See Wall Type Assembly details on sheet A103. A partition with suffix 'X' is existing.
13. There are many existing rated wall assemblies where ratings do not need to be maintained - see Egress Plan for rated wall locations which must remain intact in area of work.

Floor Plan Keynotes

- 01 Expose existing concrete columns. Clean, remove any fasteners, and patch holes. Provide an ACI 301 Grout-Cleaned (Sack-Rubbed) Finish to match existing.
- 02 Edge of new opening to align with edge of existing opening.
- 03 Existing metal lockers to remain. Clean and repair as needed.
- 04 Provide blocking for TV monitors. See electrical drawings for all locations. Coordinate with owner's AV vendor for exact monitor size and placement.
- 05 Existing semi-recessed fire extinguisher cabinets to remain. Ensure code compliant & in good working order.
- 06 New fire extinguisher cabinet.
- 07 Provide blocking for mirrors. See typ. elevation.
- 08 Provide blocking for TV monitors above 7'-0" AFF. Coordinate with owner's AV vendor for exact monitor size and placement.
- 09 Skim existing textured wall finish to provide new Level 4 smooth paintable surface.
- 10 Finish wall w/ gyp. & prep for new finish

1 A101 **Main Level Floor Plan**

SCALE: 1/8" = 1'-0"

N

Key Plan - KDPS

intersect

City of Kalamazoo - Crosstown Facility
CPED & KDPS Workplace Renovation
150 E Crosstown Parkway Kalamazoo MI 49001

NOT FOR REGULATORY APPROVAL, PERMITTING, OR CONSTRUCTION

Bid Set	08/21/2025
Site Plan Review	07/31/2025
DD Set	07/03/2025

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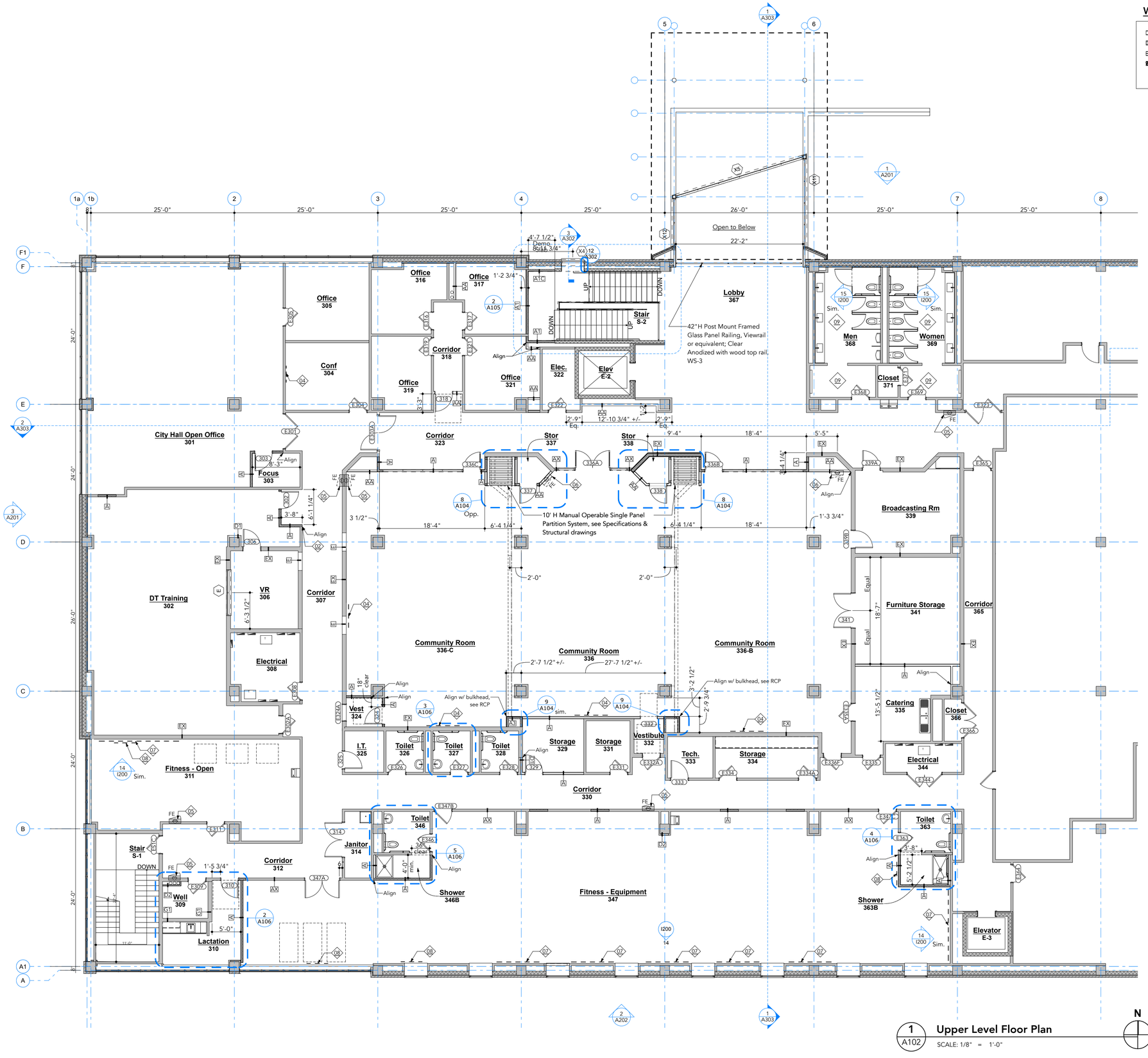
Project Number: 23-046

Main Level Floor Plan KDPS

A101

9/8/25 - BIMcloud: Intersect AC27 Teamwork Server - BIMcloud Basic for Archicad 27/23046 Kzoo Crosstown/23046 Kzoo Crosstown Facility



1 A102 **Upper Level Floor Plan**
SCALE: 1/8" = 1'-0"

Wall Legend

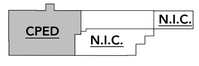
- New
- Existing
- 1-Hour Rated
- New Insulated: Install sound attenuation batt in stud cavity as shown

Floor Plan Notes

1. Verify location of all existing structural elements, existing wall systems, and dimensions. Report to architect any discrepancies or omissions which would interfere with satisfactory completion of the work per the plans.
2. See Mechanical, Electrical, Plumbing, Structural, Civil & Technology drawings for additional scope & information.
3. See A400 sheets for door and window schedules.
4. See Interiors sheets for finish schedules and additional information regarding design intent.
5. Wall dimensions are to face of masonry, face of concrete, face of gyp. bd., column centerline as shown or existing construction, unless noted otherwise.
6. Provide FRT blocking in walls or ceilings as required for mounting cabinetry, shelving, fixtures, monitors, grab bars, lighting, owner provided equipment, etc. Provide 3/4" FRT plywood in larger zones as needed.
7. Where previous finishes have been removed and surfaces are existing to remain, prepare slabs and walls for new finishes.
8. Patch & repair any damage to existing column wraps or existing walls to remain after demo & prep for new finish.
9. Ensure equipment to remain (including plumbing fixtures, casework, and equipment) is in good working order. Contact owner/architect if items are determined to be in unacceptable condition and should be replaced.
9. Kitchen appliances to be provided by owner and installed by contractor.
11. Provide expansion joints or control joints per manufacturer's recommendations and/or where new finishes meet existing.
12. See Wall Type Assembly details on sheet A103. A partition with suffix 'X' is existing.
13. There are many existing rated wall assemblies where ratings do not need to be maintained - see Egress Plan for rated wall locations which must remain intact in area of work.

Floor Plan Keynotes

01. Expose existing concrete columns. Clean, remove any fasteners, and patch holes. Provide an ACI 301 Grout-Cleaned (Sack-Rubbed) Finish to match existing.
02. Edge of new opening to align with edge of existing opening.
03. Existing metal lockers to remain. Clean and repair as needed.
04. Provide blocking for TV monitors. See electrical drawings for all locations. Coordinate with owner's AV vendor for exact monitor size and placement.
05. Existing semi-recessed fire extinguisher cabinets to remain. Ensure code compliant & in good working order.
06. New fire extinguisher cabinet.
07. Provide blocking for mirrors. See typ. elevation.
08. Provide blocking for TV monitors above 7'-0" AFF. Coordinate with owner's AV vendor for exact monitor size and placement.
09. Skim existing textured wall finish to provide new Level 4 smooth paintable surface.
10. Finish wall w/ gyp. & prep for new finish



Key Plan - CPED

intersect

City of Kalamazoo - Crosstown Facility
CPED & KDPS Workplace Renovation
150 E Crosstown Parkway Kalamazoo MI 49001

NOT FOR REGULATORY APPROVAL, PERMITTING, OR CONSTRUCTION

Bid Set	08/21/2025
Site Plan Review	07/31/2025
DD Set	07/03/2025

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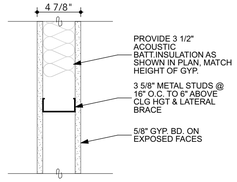
Project Number: 23-046

Upper Level Plan
CPED

A102

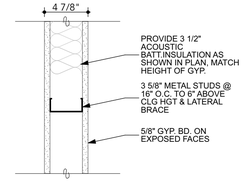
9/8/25 - BIM/cloud: Intersect AC27 Teamwork Sever - BIM/cloud Basic for Archicad 27/23046 Kzoo Crosstown/23046 Kzoo Crosstown.pln

WALL TYPE - A



- STUDS TO UNDERSIDE OF STRUCTURE
- TAKE GYP TO 6" ABOVE CEILING WHERE APPLICABLE
- TAKE GYP TO UNDERSIDE OF DECK WHERE NO CEILING EXISTS
- PROVIDE MOISTURE RESITANT GYP. BD AT RESTROOM WALL AND TILE BACKER BOARD AT TILE LOCATIONS

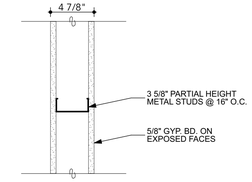
WALL TYPE - AA



- TAKE STUDS & GYP TO 6" ABOVE CEILING
- PROVIDE MOISTURE RESITANT GYP. BD AT RESTROOM WALL AND TILE BACKER BOARD AT TILE LOCATIONS

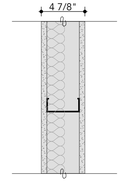
WALL TYPE - AP

KNEE WALL, PARTIAL HEIGHT



- SEE PLANS/ELEVATIONS FOR WALL HEIGHTS & FINISHING @ TOP FACE

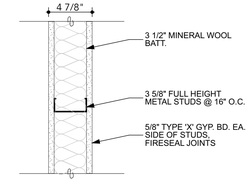
WALL TYPE - AX



- 3 5/8" 22 GA STUDS @ 16" O.C. W/ 5/8" GYP TO STRUCTURE
- 2" SOUND BATT.

WALL TYPE - A1

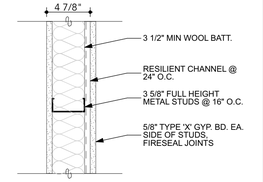
NON-LOAD BEARING 1HR RATED PARTITION



- 1 HOUR RATED WALL (UL U419)
- TAKE GYP TO UNDERSIDE OF DECK & FIRESEAL, SEE DETAIL THIS SHEET

WALL TYPE - A1B

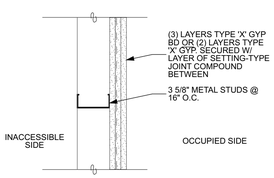
NON-LOAD BEARING 1HR RATED ACOUSTIC ASSEMBLY (UL #U451- 54 STC)



- HIGH STC ACOUSTIC ASSEMBLY HOUR RATED WALL
- TAKE GYP TO UNDERSIDE OF DECK & FIRESEAL
- PROVIDE ACOUSTICAL SEALANT AT PARTITION PERIMETER FOR SOUND CONTROL

WALL TYPE - A1C

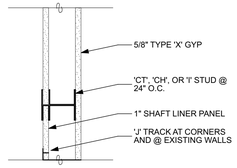
NON-LOAD BEARING 1HR RATED PARTITION 1 SIDE (UL #V497)



- HIGH STC ACOUSTIC ASSEMBLY HOUR RATED WALL
- TAKE GYP TO UNDERSIDE OF DECK & FIRESEAL
- PROVIDE ACOUSTICAL SEALANT AT PARTITION PERIMETER FOR SOUND CONTROL

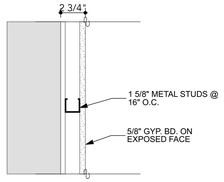
WALL TYPE - C1

NON-LOAD BEARING 1HR RATED SHAFT



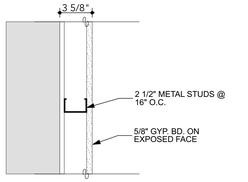
- 1-HOUR SHAFT RATED WALL
- TAKE GYP TO UNDERSIDE OF DECK & FIRESEAL

WALL TYPE - D1



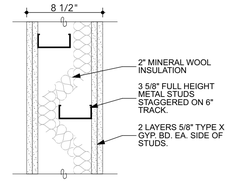
- TAKE STUDS & GYP TO 6" ABOVE LAY-IN CEILING WHERE APPLICABLE
- TAKE STUDS & GYP TO UNDERSIDE OF DECK WHERE NO CEILING EXISTS

WALL TYPE - D2



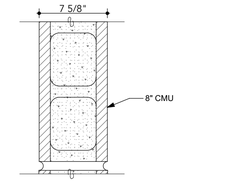
- TAKE STUDS & GYP TO 6" ABOVE LAY-IN CEILING WHERE APPLICABLE
- TAKE STUDS & GYP TO UNDERSIDE OF DECK WHERE NO CEILING EXISTS

WALL TYPE - E



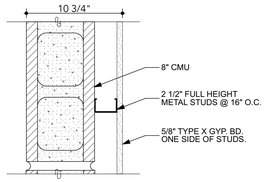
- EXISTING HIGH STC WALL
- PROVIDE ACOUSTICAL SEALANT AT PERIMETER FOR SOUND CONTROL

WALL TYPE - G



- EXISTING 8" CMU WALL TYPE 'C' TO UNDERSIDE OF STRUCTURE
- INFILL TO MATCH
- MAINTAIN FIRE RATING AS REQ'D PER PLAN

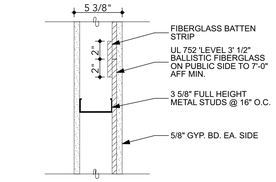
WALL TYPE - G1



- MAINTAIN EXISTING
- MAINTAIN FIRE RATING AS REQ'D PER PLAN

WALL TYPE - H

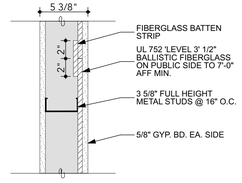
LEVEL '3' BALLISTIC RESISTANT ASSEMBLY



- TAKE GYP TO 6" ABOVE LAY-IN CEILING WHERE APPLICABLE
- TAKE GYP TO UNDERSIDE OF DECK WHERE NO CEILING EXISTS
- INSTALL & FASTEN WALL ASSEMBLY PER FIBERGLASS MANUFACTURER INSTRUCTIONS

WALL TYPE - HA

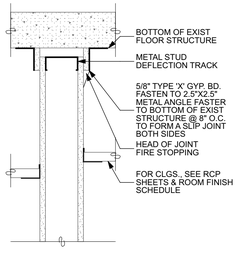
SAME AS H EXCEPT STUDS EXISTING TO REMAIN



- TAKE GYP TO 6" ABOVE LAY-IN CEILING WHERE APPLICABLE
- TAKE GYP TO UNDERSIDE OF DECK WHERE NO CEILING EXISTS
- INSTALL & FASTEN WALL ASSEMBLY PER FIBERGLASS MANUFACTURER INSTRUCTIONS
- SAME AS H EXCEPT STUDS EXISTING TO REMAIN

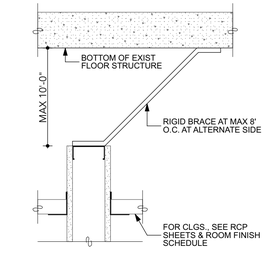
HEADER A

RATED WALL HEADER DETAIL



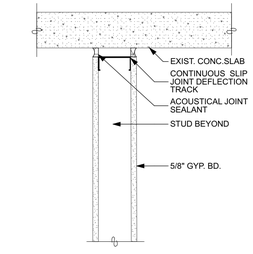
HEADER B

PARTIAL HEIGHT PARTITION HEADER DETAIL



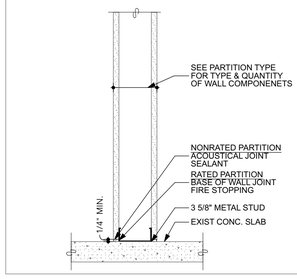
HEADER C

NON-RATED FULL HEIGHT WALL HEADER DETAIL



BASE A

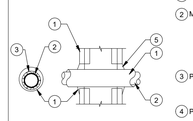
TYP. WALL BASE DETAIL



FIRESTOPPING DETAILS

1 AND 2 HOUR FIRE RATED THROUGH PENETRATION FIRESTOP FOR SINGLE INSULATED METAL PIPE THROUGH GYPSUM WALLS

F-RATING = 1 & 2 HR.
T-RATING = 1/2 & 1/2 HR.

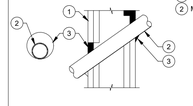


1. PRE-RATED GYPSUM WALLBOARD/STUD WALL ASSEMBLY
2. METALLIC PIPE - A) STEEL PIPE - 8" DIAM. (OR SMALLER) SCH. 10 (OR HEAVIER) STEEL PIPE.
   B) IRON PIPE- 8" DIAM. (OR SMALLER) CAST OR DUCTILE IRON PIPE.
   C) COPPER TUBING - 3" DIAM. (OR SMALLER) TYPE L (OR HEAVIER) COPPER TUBING.
   D) COPPER PIPE - 3" DIAM. (OR SMALLER) REGULAR (OR HEAVIER) COPPER PIPE.
3. PIPE COVERING - NOM. 1" THICK (OR LESS) FIBERGLASS PIPE INSULATION. THE ANNULAR SPACE SHALL BE MIN. 1/4" TO MAX. 1-1/8".
4. PACKING MATERIAL (OPTIONAL, NOT SHOWN)- FOAM BACKER ROD FIRMLY PACKED INTO OPENING.
5. FIRESTOP - MIN. 1/2" THICKNESS OF SEALANT APPLIED WITHIN ANNULUS, FLUSH WITH BOTH SIDES OF WALL ASSEMBLY. ADDITIONAL SEALANT IS INSTALLED SUCH THAT A 3/8" CROWN IS FORMED AROUND THE PENETRATING ITEM.

UL/CUL SYSTEM NO. WL 5082

1 OR 2 HOUR FIRE RATED THROUGH PENETRATION FIRESTOP FOR SINGLE METALLIC PIPE THROUGH GYPSUM WALL ASSEMBLIES

F-RATING = 1 & 2 HR.
T-RATING = 1/4 HR.

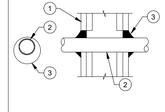


1. PRE-RATED GYPSUM WALLBOARD/STUD WALL ASSEMBLY
2. METALLIC PIPE - A) STEEL PIPE - 12" DIAM. (OR SMALLER) SCH. 10 (OR HEAVIER) STEEL PIPE.
   B) IRON PIPE - 12" DIAM. (OR SMALLER) CAST OR DUCTILE IRON PIPE.
   C) COPPER TUBING - 4" DIAM. (OR SMALLER) TYPE L (OR HEAVIER) COPPER TUBING.
   D) COPPER PIPE - 4" DIAM. (OR SMALLER) REGULAR (OR HEAVIER) COPPER PIPE.
   E) CONDUIT- 4" DIAM. (OR SMALLER) EMT OR 6" DIAM. (OR SMALLER) STEEL CONDUIT
   THE ANNULAR SPACE SHALL BE MIN. 0" TO MAX. 1/2" WITHIN THE FIRESTOP SYSTEM. PIPE MAY BE INSTALLED AT AN ANGLE NOT GREATER THAN 45 DEGREES.
3. FIRESTOP - MIN. 1/2" THICKNESS OF SEALANT APPLIED WITHIN OPENING. MIN. 3/8" CANT BEAD OF SEALANT TO BE APPLIED AT AREAS OF POINT CONTACT.

UL/CUL SYSTEM NO. WL 1158

1 OR 2 HOUR FIRE RATED THROUGH PENETRATION FIRESTOP FOR SINGLE VENT DUCT THROUGH GYPSUM WALLS USING

F-RATING = 1 & 2 HR.
T-RATING = 0 HR.



1. PRE-RATED GYPSUM WALLBOARD/STUD WALL ASSEMBLY
2. VENT DUCT - NOM. 4" DIAM. (OR SMALLER) NO. 26 GAUGE (OR HEAVIER) GALV. STEEL VENT DUCT. DUCT TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY. THE ANNULAR SPACE SHALL BE MIN. 0" TO MAX. 1" WITHIN THE FIRESTOP SYSTEM.
3. FIRESTOP - MIN. 1/2" THICKNESS OF SEALANT APPLIED WITHIN THE OPENING, FLUSH WITH BOTH SIDES OF WALL ASSEMBLY. ADDITIONAL SEALANT TO BE INSTALLED SUCH THAT A MIN 3/8" CROWN IS FORMED AROUND THE PENETRATING ITEM.

UL/CUL SYSTEM NO. WL 7039

9/8/25 - BIMcloud: Intersect AC27 Teetmeyer Sieve - BIMcloud Basic for Archicad 27/2024/6 Kzoo Crosstown/2024/6 Kzoo Crosstown Facility

Intersect

City of Kalamazoo - Crosstown Facility
CPED & KDPS Workplace Renovation
150 E Crosstown Parkway Kalamazoo MI 49001

NOT FOR REGULATORY APPROVAL, PERMITTING, OR CONSTRUCTION

Bid Set	08/21/2025
Site Plan Review	07/31/2025
DD Set	07/03/2025

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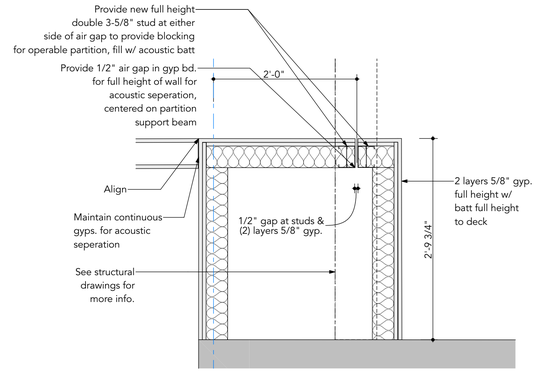
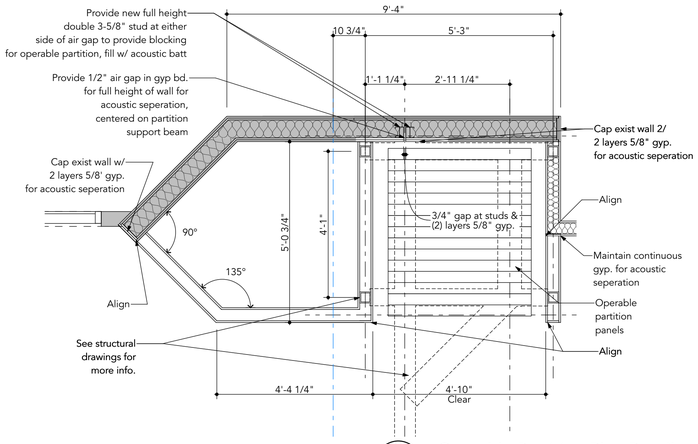
Project Number: 23-046

Wall Types

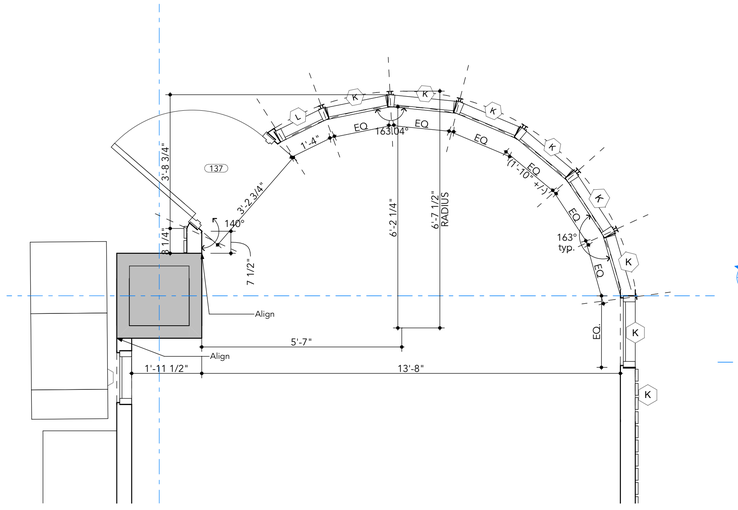
A103



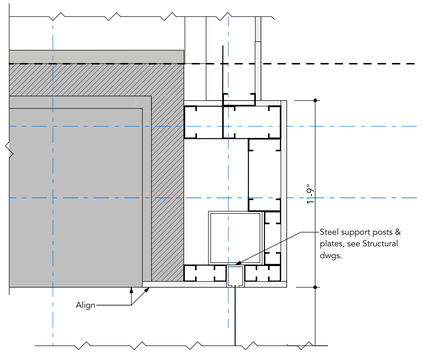
9 / A104 — Operable Partition Blocking Detail
SCALE: 1" = 1'-0"

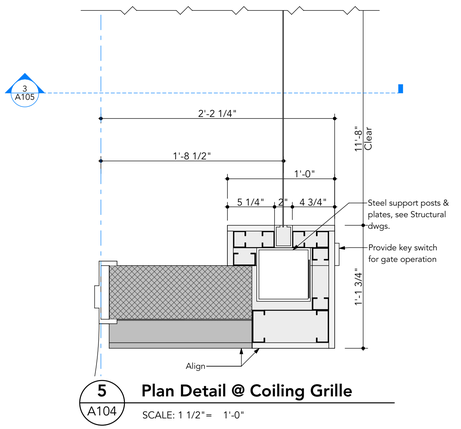


8 / A104 — Operable Partition Plan Detail
SCALE: 1/2" = 1'-0"

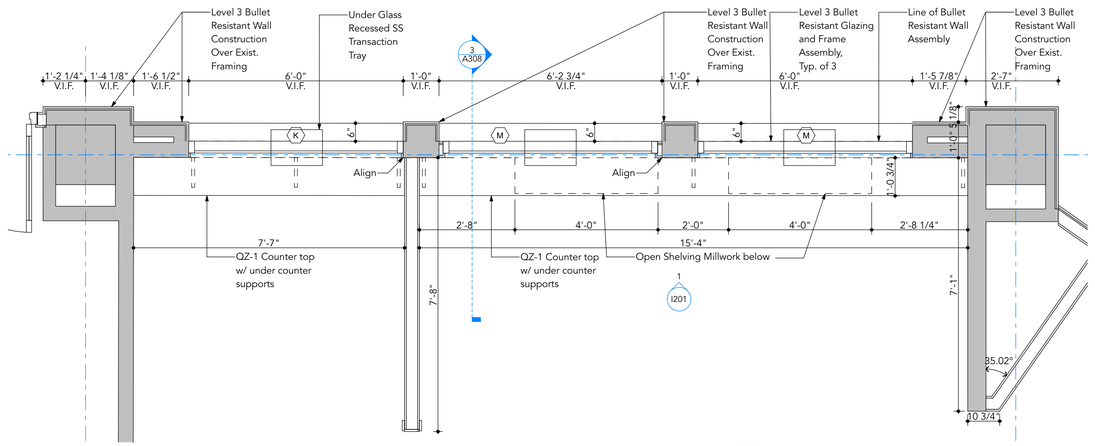


3 / A104 — Central Park Connect Enlarged Plan
SCALE: 1/2" = 1'-0"

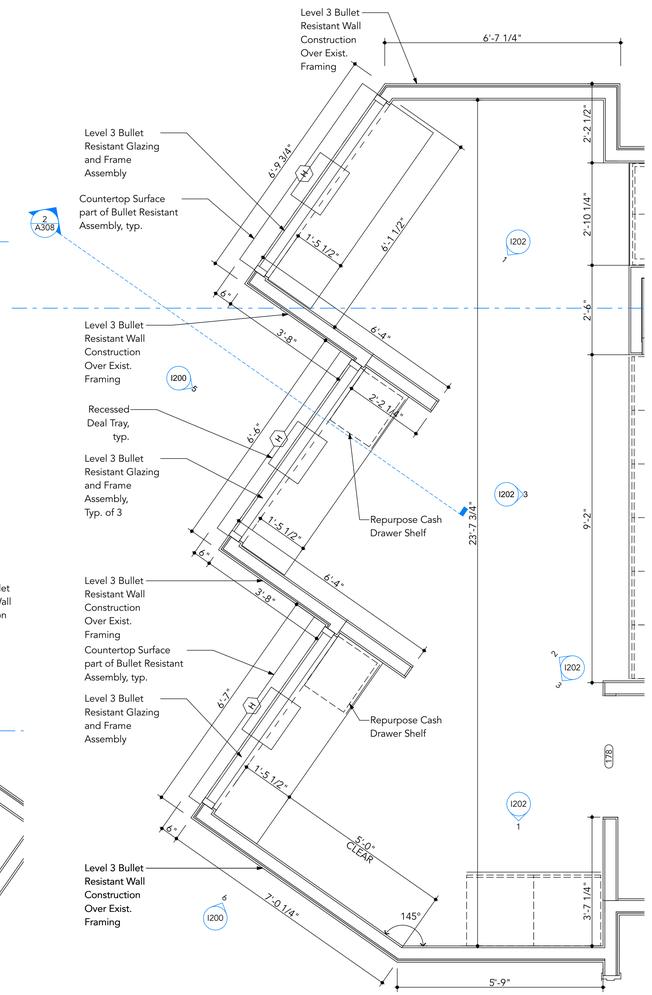




5 / A104 — Plan Detail @ Coiling Grille
SCALE: 1 1/2" = 1'-0"



2 / A104 — Clerk/Cashier Enlarged Plan
SCALE: 1/2" = 1'-0"



1 / A104 — Records/Teleserve Enlarged Plan
SCALE: 1/2" = 1'-0"

9/8/25 BIM/cloud: Intersect AC27 Teamwork Server - BIM/cloud Basic for Architect 27\23046 Kzoo Crosstown\23046 Kzoo Crosstown Facility

City of Kalamazoo - Crosstown Facility

CPED & KDPS Workplace Renovation
150 E Crosstown Parkway Kalamazoo MI 49001

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DD Set	07/03/2025

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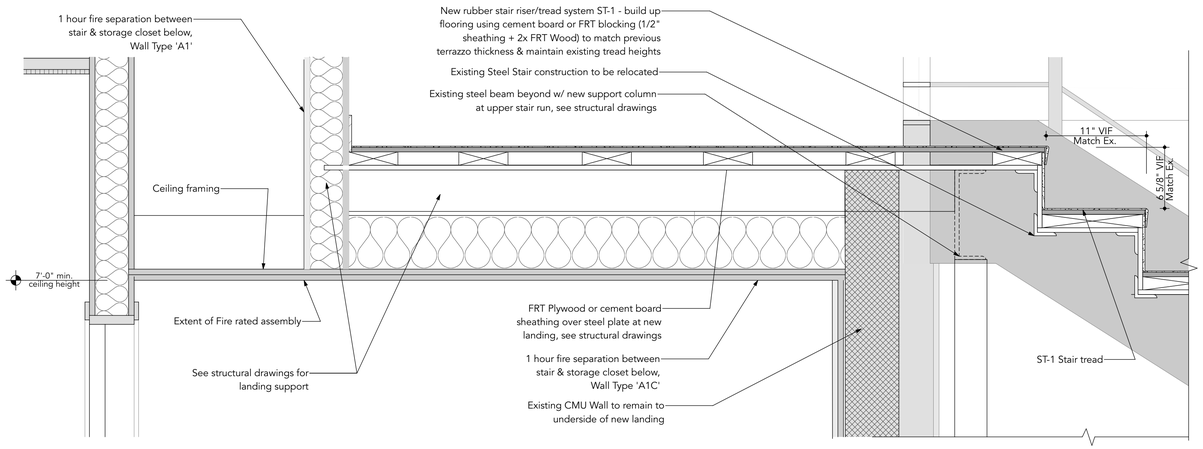
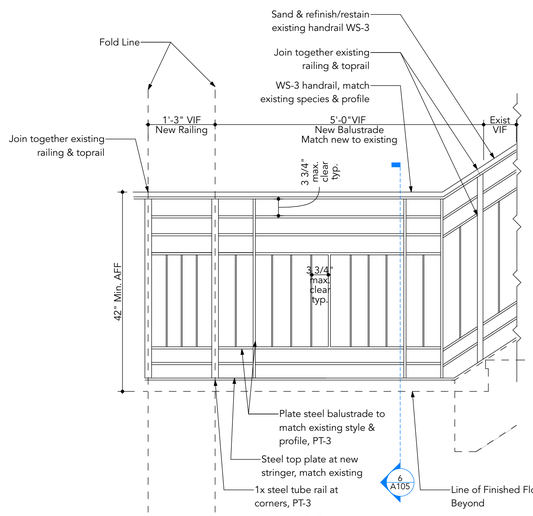
Project Number: 23-046

Enlarged Floor Plans

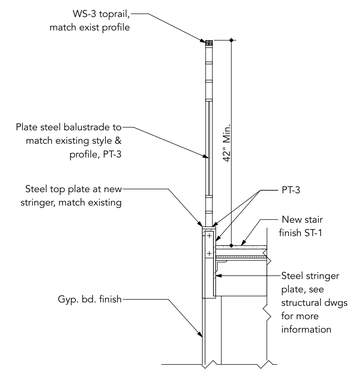
A104



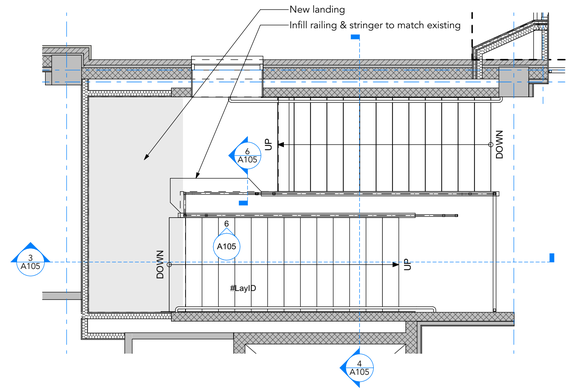
5 A105 Stair Section Detail
SCALE: 1 1/2"= 1'-0"



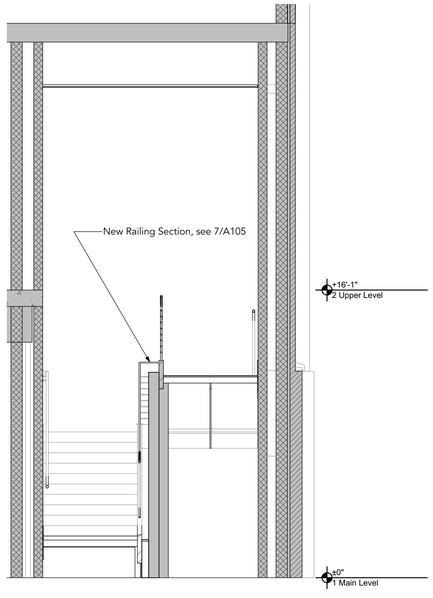
7 A105 New Railing Elevation
SCALE: 3/4" = 1'-0"



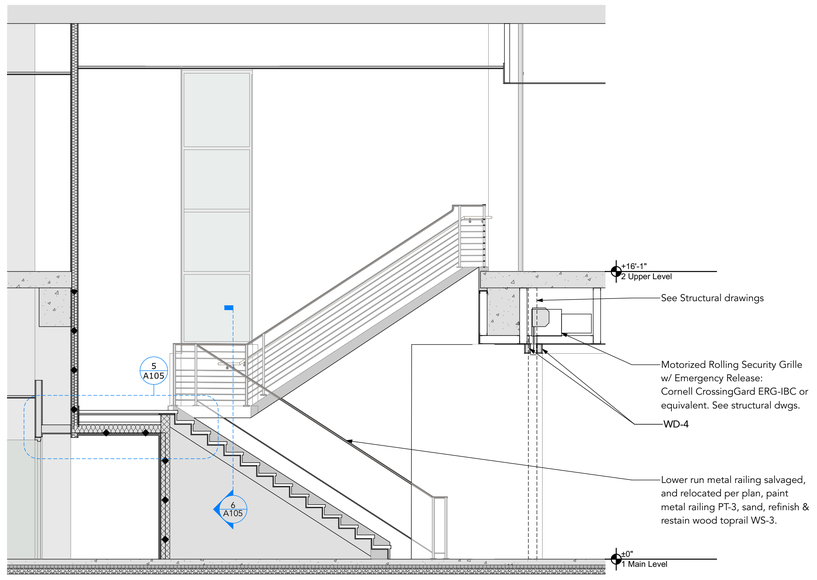
6 A105 New Landing & Railing Section
SCALE: 3/4" = 1'-0"



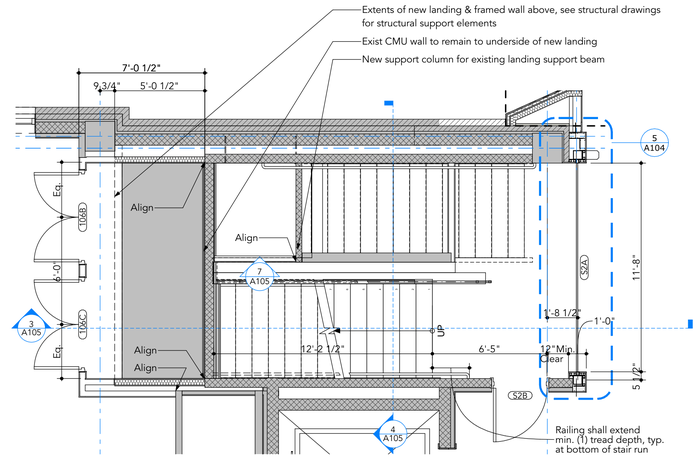
2 A105 Stair 3 Enlarged Plan - Level 2
SCALE: 1/4" = 1'-0"



4 A105 North-South Stair Section
SCALE: 1/4" = 1'-0"



3 A105 East-West Stair Section
SCALE: 1/4" = 1'-0"



1 A105 Stair 3 Enlarged Plan - Level 1
SCALE: 1/4" = 1'-0"

Intersect

City of Kalamazoo - Crosstown Facility
CPED & KDPS Workplace Renovation
150 E Crosstown Parkway Kalamazoo MI 49001

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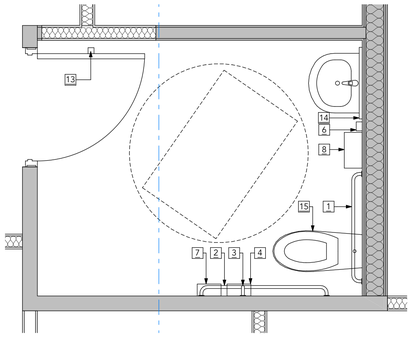
Project Number: 23-046

Enlarged Stair Plan & Sections

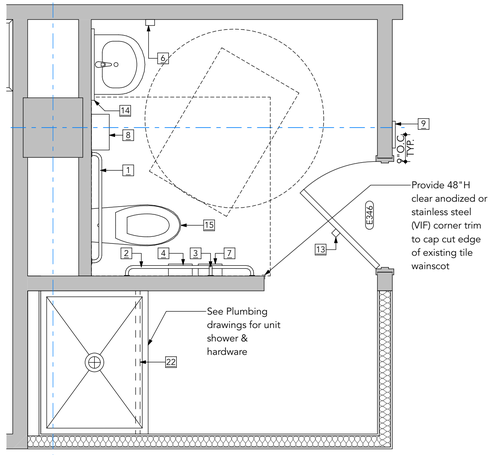
A105

ACCESSORY SPECIFICATIONS			STYLE/MODEL	
TAG	**ITEM**	**Manufacturer**		**FINISH**
1	36" Grab Bar		Existing 36" Grab Bar to Remain	
2	42" Grab Bar		Existing 42" Grab Bar to Remain	
3	18" Grab Bar	Bobrick	Bobrick B-6806x18	Satin
4	Toilet paper holder		Existing to remain or New Provided by Owner's vendor	
5	Hand Dryer		Existing to remain, ensure in good working order	
6	Soap Dispenser		Existing to remain or New Provided by Owner's vendor	
7	Napkin Disposal	Bobrick	Bobrick B-270 Commercial Restroom Sanitary Napkin/Tampon Disposal	
8	Roll Towel Dispenser		Existing to remain or New Provided by Owner's vendor	Satin
9	ADA Toilet Room Signage- All Gender	Compliance Signs	White on Charcoal Gray California Title 24 Accessible All Gender Restroom Sign	Charcoal Gray with White Text
10	Mirror	American Specialties	ASI 0620-3636 Mirror, 36" x 36"	Satin
11	Mirror	American Specialties	ASI 0620-2436 Mirror, 24" x 36"	Satin
12	Mirror	American Specialties	ASI 0620-2060 Mirror, 20" x 60"	Satin
13	Coat Hook	Bobrick	Existing to remain or Bobrick B-6827 coat hook	Satin
14	Mirror		Existing to remain	
15	Open front toilet seat		Heavy Duty Commercial Open Front Toilet Seat, Compatible with existing toilets	White
16	Changing Station		Existing Changing Station to Remain	
17	ADA Toilet Room Signage- Women's	Compliance Signs	White on Charcoal Gray California Title 24 Accessible Women's Restroom Sign	Charcoal Gray with White Text
18	ADA Toilet Room Signage- Men's	Compliance Signs	White on Charcoal Gray California Title 24 Accessible Men's Restroom Sign	Charcoal Gray with White Text
19	ADA Room Signage- Wellness	Compliance Signs	White on Charcoal Gray California Title 24 Accessible Wellness Room Sign	Charcoal Gray with White Text
20	Lactation Room Signage	Compliance Signs	White on Charcoal Gray California Title 24 Lactation Room	Charcoal Gray with White Text
21	60" Shower Curtain Rod	Bobrick	Bobrick B-6107x60 Heavy-Duty Shower Curtain Rod, 60"	Satin
22	48" Shower Curtain Rod	Bobrick	Bobrick B-6107x48 Heavy-Duty Shower Curtain Rod, 48"	Satin
23	ADA Roll In Shower		See Plumbing DWGs	White
24	24" Grab Bar	Bobrick	Bobrick B-6806x24. New 24" Grab Bar	Satin
25	36" Grab Bar	Bobrick	Bobrick B-6806x36. New 36" Grab Bar	Satin
26	Baby Changing Station	ASI	ASI 9014 Surface Mounted Horizontal Baby Changing Station	Gray

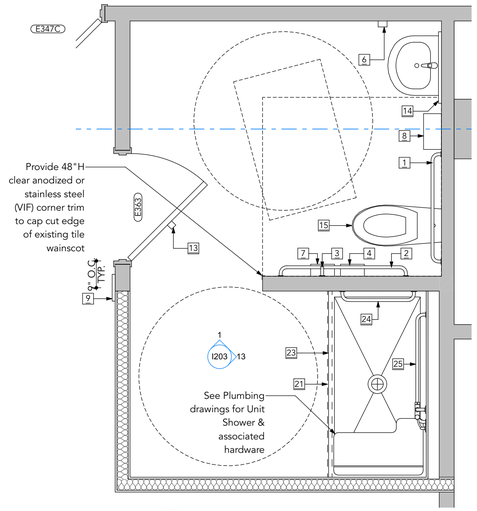
NOTE: All selections are basis of design



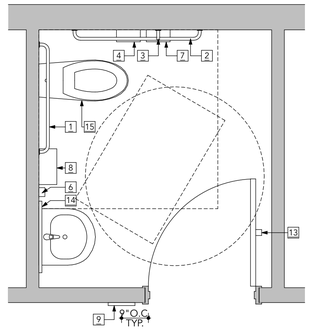
6 A106 **Toilet Room #102**
SCALE: 1/2" = 1'-0"



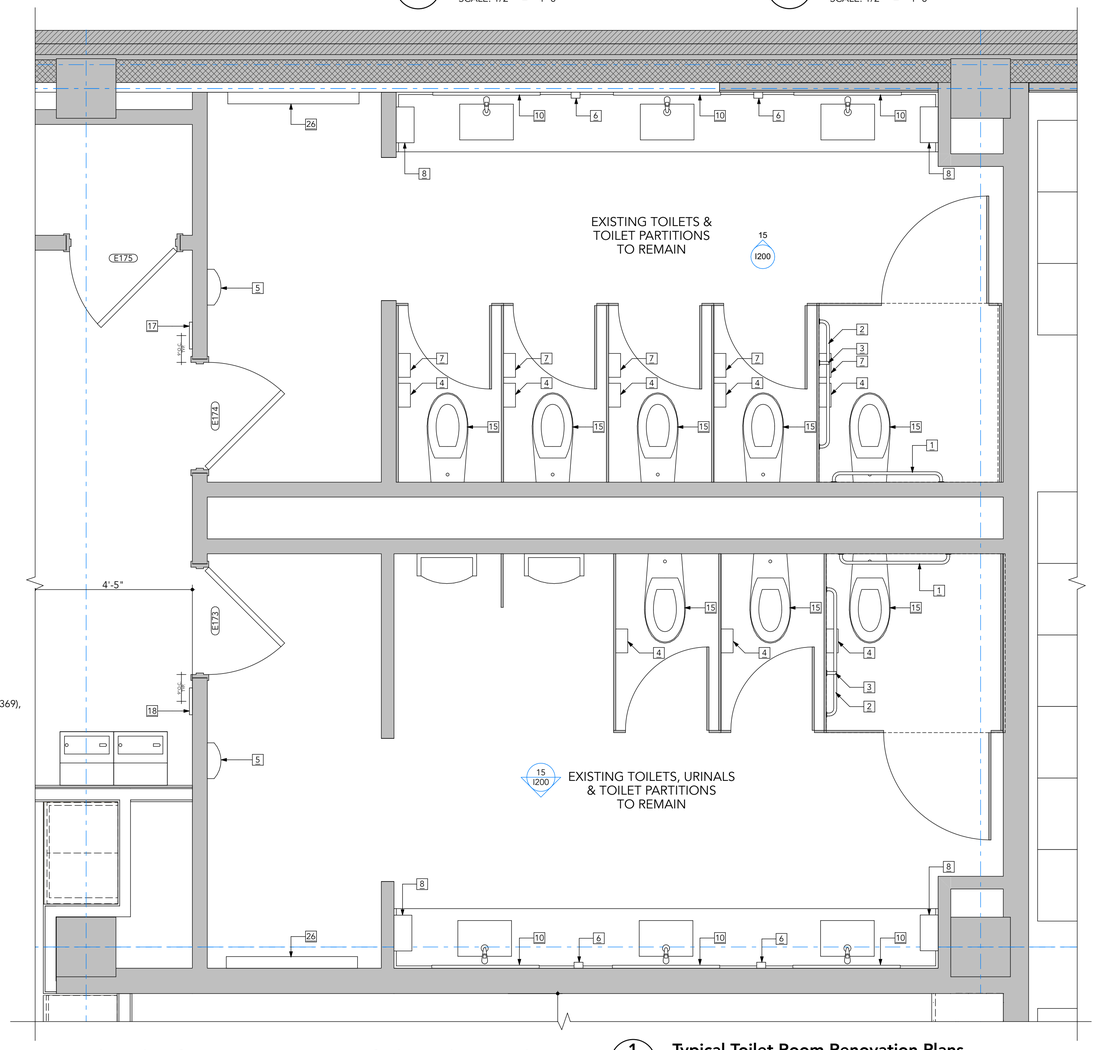
5 A106 **Shower Plan #346**
SCALE: 1/2" = 1'-0"



4 A106 **Shower Plan #363 - Accessible**
SCALE: 1/2" = 1'-0"

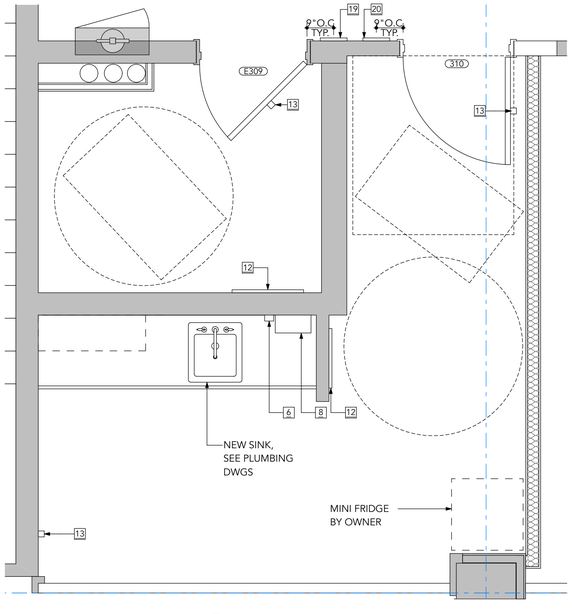


3 A106 **Toilet Room #326, #327, #328, Typ.**
SCALE: 1/2" = 1'-0"



See Floor Plans for Fixture Qty & Layout of other multi-user toilet rooms

1 A106 **Typical Toilet Room Renovation Plans**
SCALE: 1/2" = 1'-0"



2 A106 **Well #309 & Lactation Room #310**
SCALE: 1/2" = 1'-0"

Toilet Room Finish Clarification

NOTE: See G Sheets for ADA mounting heights & accessory placement.

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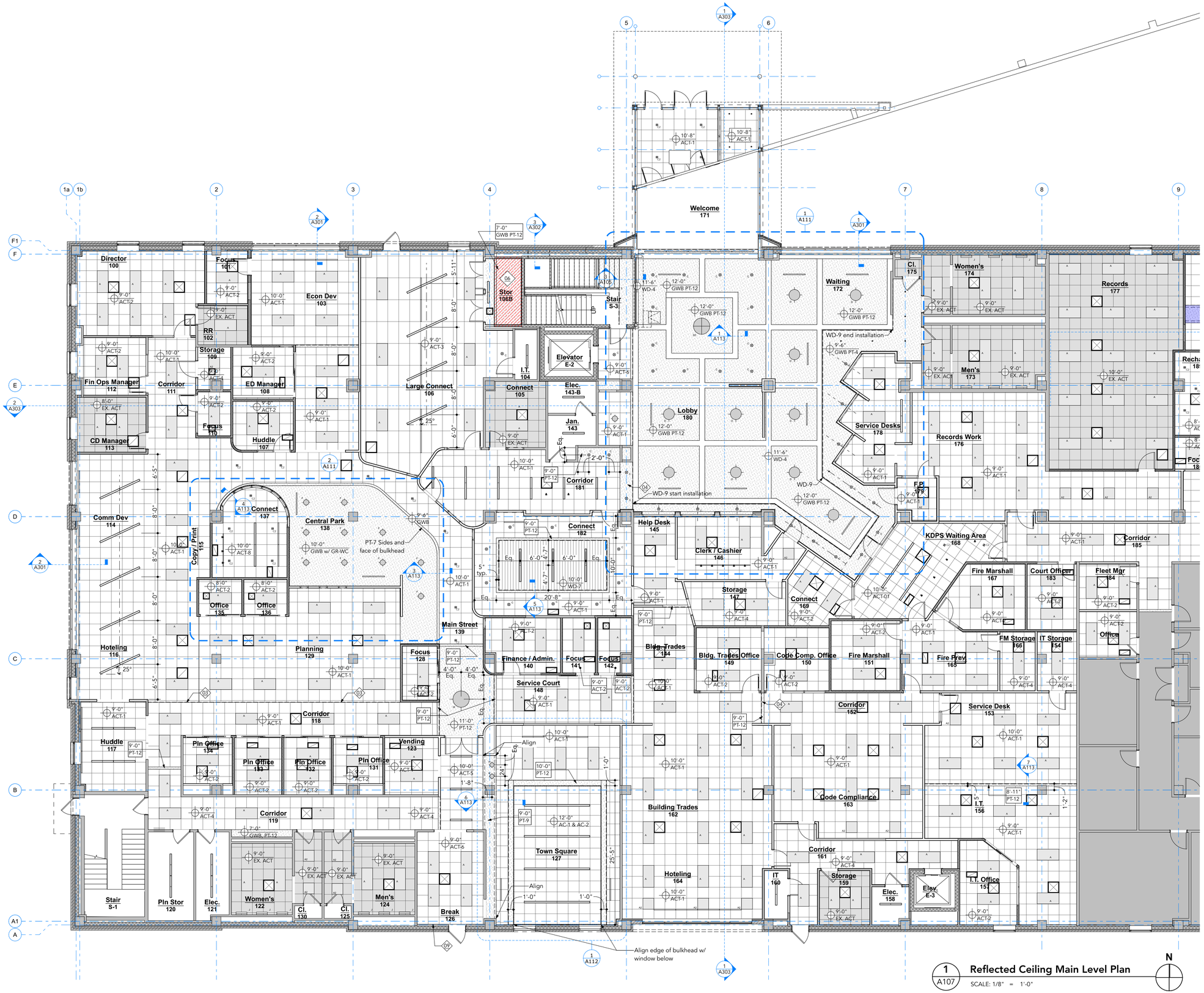
Enlarged Toilet Room Plan and Schedule

A106



1 A107 **Reflected Ceiling Main Level Plan**

SCALE: 1/8" = 1'-0"

RCP Notes

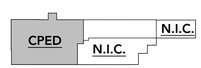
1. See A110 for lighting schedule and mounting height information. Lighting is shown for location & type. Refer to electrical drawings for lighting specifications and additional requirements.
2. All lighting fixtures are Basis of Design unless noted otherwise & to be approved by owner/architect prior to ordering.
3. See Interiors sheets for finish information & room finish schedule.
4. Contractor responsible for reviewing specs and providing all necessary supporting accessories and lamping for lighting to be fully functional.
5. See Mechanical Sheets for locations of ceiling diffusers and other information.
6. Center lights in ceiling tiles, typ., UNO. Dimensions are to the centerline of light fixtures, unless noted otherwise.

RCP Keynotes

01. Open ceiling & deck be painted PT-3 above 9'-6" AFF including ductwork, conduit, piping & equipment.
02. Open ceiling & deck be painted PT-12 above 9'-0" AFF including ductwork, conduit, piping & equipment.
03. Transition between lay-in ceiling heights - use Armstrong Axiom Transition Trim AXTR12STR.
04. Bulkhead @ location of prev. existing wall. Cap partition studs @ height shown.
05. 1-Hr Rated horizontal shaft wall duct chase (Wall Assembly C1) above decorative gyp. bd. ceiling within rated egress corridor. See section detail.
06. 1-Hr Rated ceiling assembly under stair. (Wall Assembly A1C).
07. Opening for motorized overhead coiling grille.

RCP Key

- New ACT
- Exist ACT
- New Gyp.
- Wood Plank



Key Plan - CPED

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Reflected Ceiling Main Level Plan - CPED

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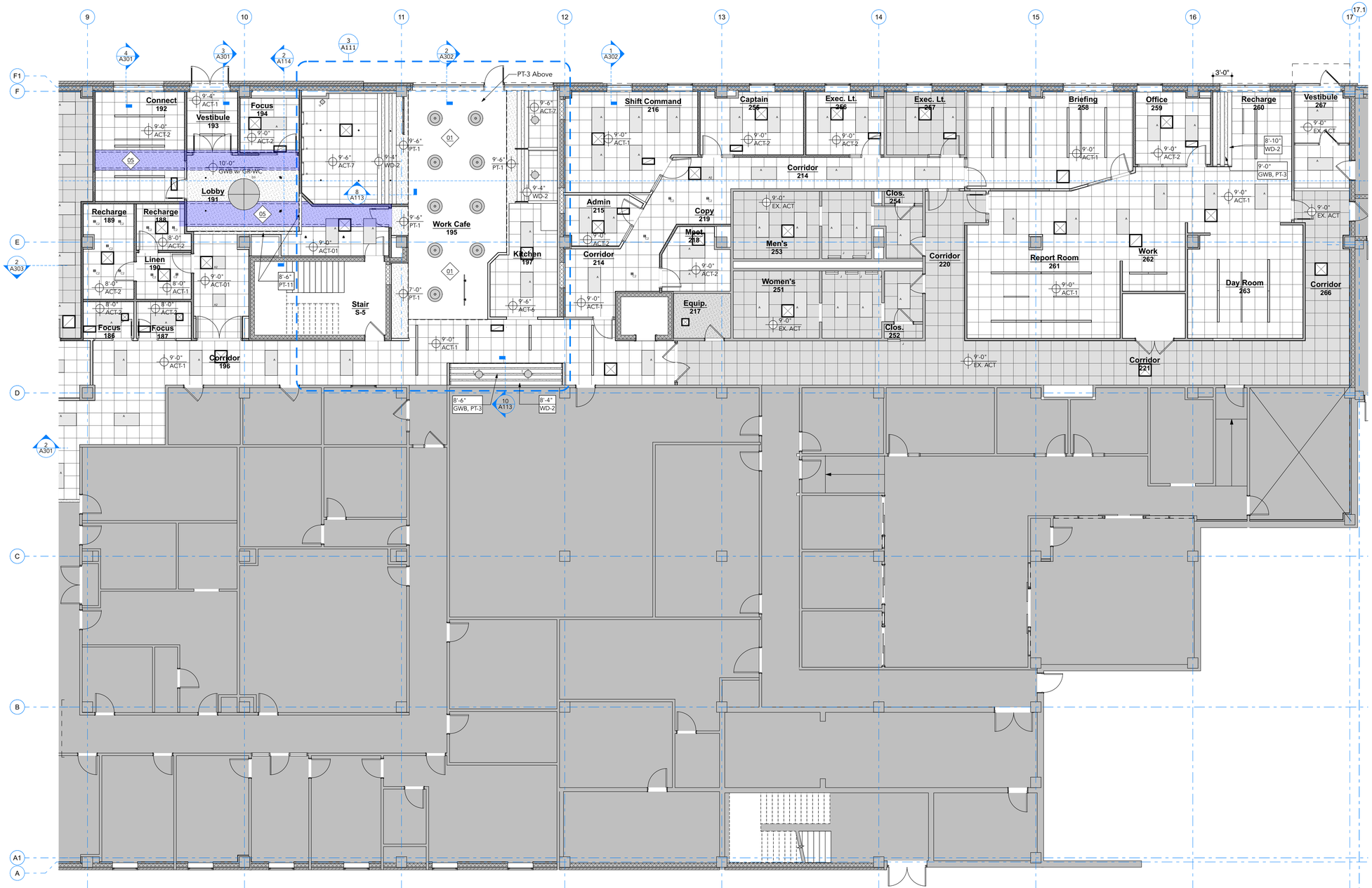

1 A108 **Reflected Ceiling Main Level Plan**

SCALE: 1/8" = 1'-0"

RCP Notes

1. See A110 for lighting schedule and mounting height information. Lighting is shown for location & type. Refer to electrical drawings for lighting specifications and additional requirements.
2. All lighting fixtures are Basis of Design unless noted otherwise & to be approved by owner/architect prior to ordering.
3. See Interiors sheets for finish information & room finish schedule.
4. Contractor responsible for reviewing specs and providing all necessary supporting accessories and lamping for lighting to be fully functional.
5. See Mechanical Sheets for locations of ceiling diffusers and other information.
6. Center lights in ceiling tiles, typ., UNO. Dimensions are to the centerline of light fixtures, unless noted otherwise.

RCP Keynotes

01 Open ceiling & deck be painted PT-3 above 9'-6" AFF including ductwork, conduit, piping & equipment.

02 Open ceiling & deck be painted PT-12 above 9'-0" AFF including ductwork, conduit, piping & equipment.

03 Transition between lay-in ceiling heights - use Armstrong Axiom Transition Trim AXTR12STR.

04 Bulkhead @ location of prev. existing wall. Cap partition studs @ height shown.

05 1-Hr Rated horizontal shaft wall duct chase (Wall Assembly C1) above decorative gyp. bd. ceiling within rated egress corridor. See section detail.

06 1-Hr Rated ceiling assembly under stair. (Wall Assembly A1C).

07 Opening for motorized overhead coiling grille.

RCP Key

- New ACT
- Exist ACT
- New Gyp.
- Wood Plank

KDPS N.I.C.
N.I.C.

Key Plan - KDPS

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Reflected Ceiling Main Level Plan - KDPS

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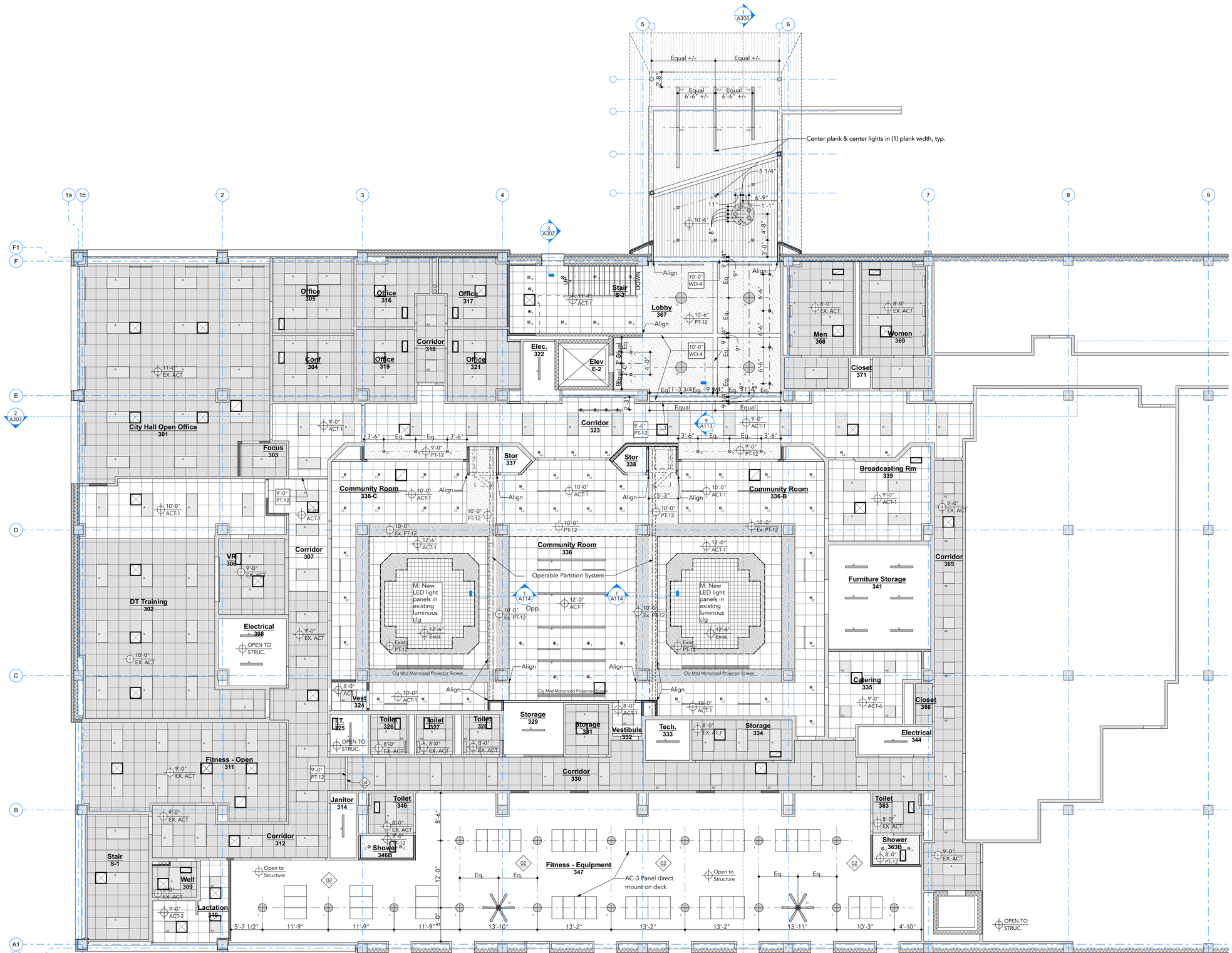

1 A109 **Reflected Ceiling Upper Level Plan**

SCALE: 1/8" = 1'-0"

RCP Notes

1. See A110 for lighting schedule and mounting height information. Lighting is shown for location & type. Refer to electrical drawings for lighting specifications and additional requirements.
2. All lighting fixtures are Basis of Design unless noted otherwise & to be approved by owner/architect prior to ordering.
3. See Interiors sheets for finish information & room finish schedule.
4. Contractor responsible for reviewing specs and providing all necessary supporting accessories and lamping for lighting to be fully functional.
5. See Mechanical Sheets for locations of ceiling diffusers and other information.
6. Center lights in ceiling tiles, typ., UNO. Dimensions are to the centerline of light fixtures, unless noted otherwise.

RCP Keynotes

01. Open ceiling & deck be painted PT-3 above 9'-6" AFF including ductwork, conduit, piping & equipment.
02. Open ceiling & deck be painted PT-12 above 9'-0" AFF including ductwork, conduit, piping & equipment.
03. Transition between lay-in ceiling heights - use Armstrong Axiom Transition Trim AXTR12STR.
04. Bulkhead @ location of prev. existing wall. Cap partition studs @ height shown.
05. 1-Hr Rated horizontal shaft wall duct chase (Wall Assembly C1) above decorative gyp. bd. ceiling within rated egress corridor. See section detail.
06. 1-Hr Rated ceiling assembly under stair. (Wall Assembly A1C).
07. Opening for motorized overhead coiling grille.

RCP Key

- New ACT
- Exist ACT
- New Gyp.
- Wood Plank

CPED N.I.C. N.I.C.

Key Plan - CPED

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Reflected Ceiling Upper Level Plan - CPED

A109

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LIGHTING FIXTURE SCHEDULE

TAG	TYPE	DESCRIPTION	SIZE	MOUNTING HT	LOCATION	NOTES
A	Troffer 2x4 Lay-in	See Electrical Sheets	2’ x 4’	Ceiling Grid	See RCP	Basis of Design
A2	Troffer 2x2 Lay-in	See Electrical Sheets	2’ x 2’	Ceiling Grid	See RCP	Basis of Design
B	Linear Pendant	See Electrical Sheets	4” w x 4’	BO fixture @ 9’-0” AFF	See RCP	Basis of Design
B2	Recessed Linear	See Electrical Sheets	4” w x 4’	Ceiling Grid		Basis of Design
C	4” Round Can	See Electrical Sheets	4” dia.	Ceiling	Gypsum Ceiling	Basis of Design
C2	Recessed Square Can	See Electrical Sheets	4” dia.	Ceiling		Center in Tile Basis of Design
D	Decorative Flushmount	See Electrical Sheets	24” dia.	Ceiling	Lobby	Center in Tile Basis of Design
D2	Decorative Flushmount	See Electrical Sheets	34” dia.	Ceiling	Lobby	Basis of Design
D3	Direct Indirect Pendant	See Electrical Sheets	60” dia.	BO fixture @ 9'-0" AFF	KDPS Entry	Basis of Design
E1	Decorative Chandelier	See Electrical Sheets	8” dia., 53” h	BO fixture @ 15’-5” AFF	Public Entry	Basis of Design
E2				BO fixture @ 11’-8” AFF		
E3				BO fixture @ 14’-8” AFF		
E4				BO fixture @ 18’-3” AFF		
E5				BO fixture @ 19”-9” AFF		
F	Decorative Pendant	See Electrical Sheets	10” globe	Semiflush	Central Park	Basis of Design
H	Decorative Pendant	See Electrical Sheets	10” dia	BO fixture @ 5”-9 AFF	Work Cafe - CPED	Basis of Design
J	Toilet Room Bath Bar	See Electrical Sheets	24”	Replace existing	Toilet Rooms	Wall mount Basis of Design
K	Utility Room LED Pendant	See Electrical Sheets	4’	Replace Exist Fluorescent Lighting		Basis of Design
L	Gym Low Bay Pendant	See Electrical Sheets	16” dia,	BO fixture @ 10’ AFF	Fitness - Equipment	Black finish Basis of Design
M	Luminous LED Panels	See Electrical Sheets		Replace Exist Fluorescent Lighting	Community Room Backlit Ceiling Feature	Basis of Design
P	Exterior Recessed Linear	See Electrical Sheets		Canopy	Exterior Entry Canopy	Basis of Design
Q	Industrial Ceiling Fan	See Electrical Sheets	60” sweep	BO fixture @ 10’ AFF		Basis of Design
R	Decorative Wall Pendant	See Electrical Sheets	19.6” w x 7.1” h	See Elevation on I202		Basis of Design
T	Decorative Pendant	See Electrical Sheets	14.5” w	BO fixture @ 5’-9” AFF	Work Cafe - KDPS	Basis of Design
U	Decorative Sconce	See Electrical Sheets	7” w x 12” h x 18” d	See Elevation on I202	Work Cafe - KDPS	Basis of Design
V	Decorative Barn Light Pendant	See Electrical Sheets	30”	BO fixture @ 9’-8” AFF	Work Cafe - KDPS	Basis of Design: Provide long cord for high exposed ceiling, Approx. 60”
W	Semiflush Pendant	See Electrical Sheets		BO fixture @ 8’-6” AFF	Work Cafe - CPED	Basis of Design
Y	Track Lighting System w/ Aimable Heads	See Electrical Sheets	3”	Ceiling	See RCP (Branding)	Basis of Design: Beam adjustable cylinder
Z	Recessed Round Aimable Spot	See Electrical Sheets	4”	Ceiling	See RCP (Branding)	Basis of Design
SA	Site Lighting - Lightpole	See Electrical Sheets	168” h x 12” w	Site	Exterior, See Site Plan	
SB	Site Lighting - Wall Mount Landscape Spotlight	See Electrical Sheets		Site	Exterior, See Site Plan	
SC	Site Lighting - Wall Sconce	See Electrical Sheets	14.92” h x 6.86” w x 6.25” d	Site	Exterior, See Site Plan	

NOTES

1. Fixtures noted are Basis of Design - alternate recommendations to be provided to client/designer for final approval.
2. All materials to be installed per manufacturer's installation recommendations, including all installation materials
3. Contractor responsible for reviewing specs and providing all necessary supporting accessories for lighting

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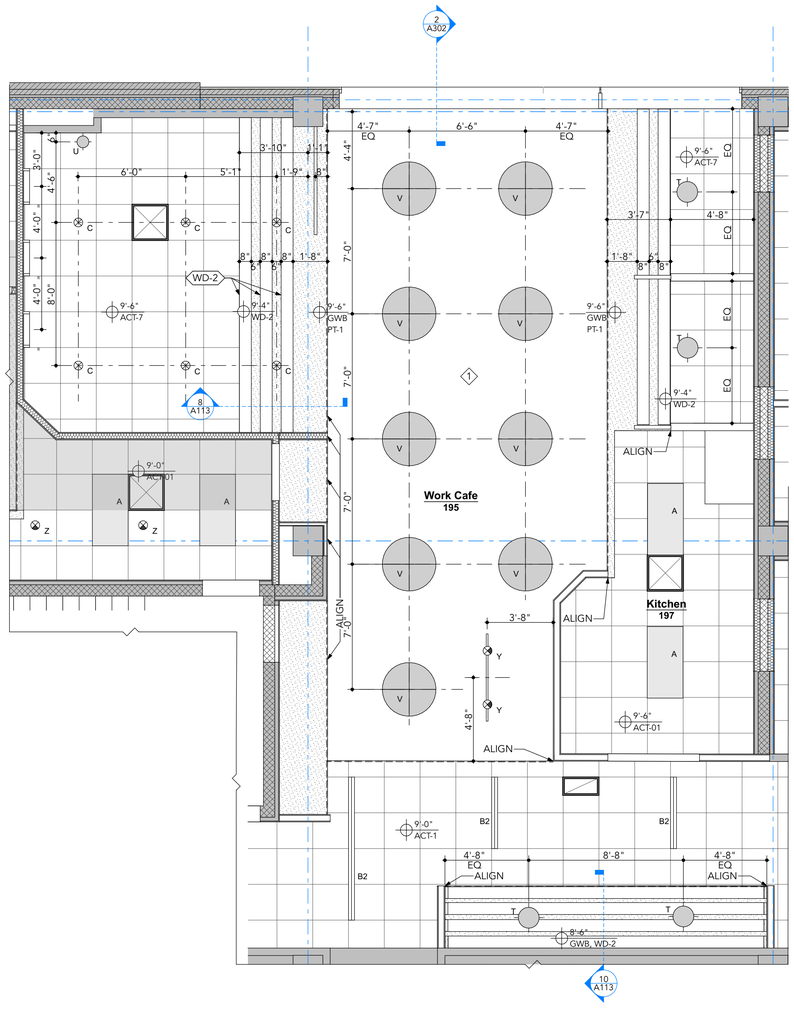
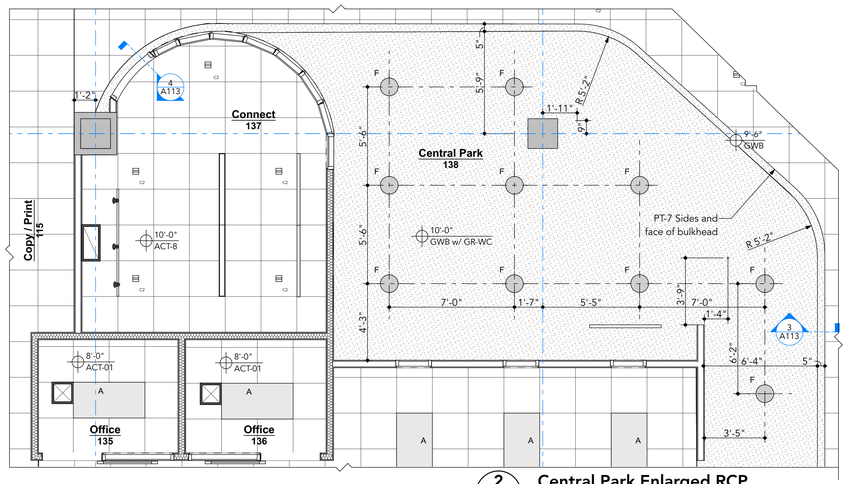
Lighting Schedule

A110



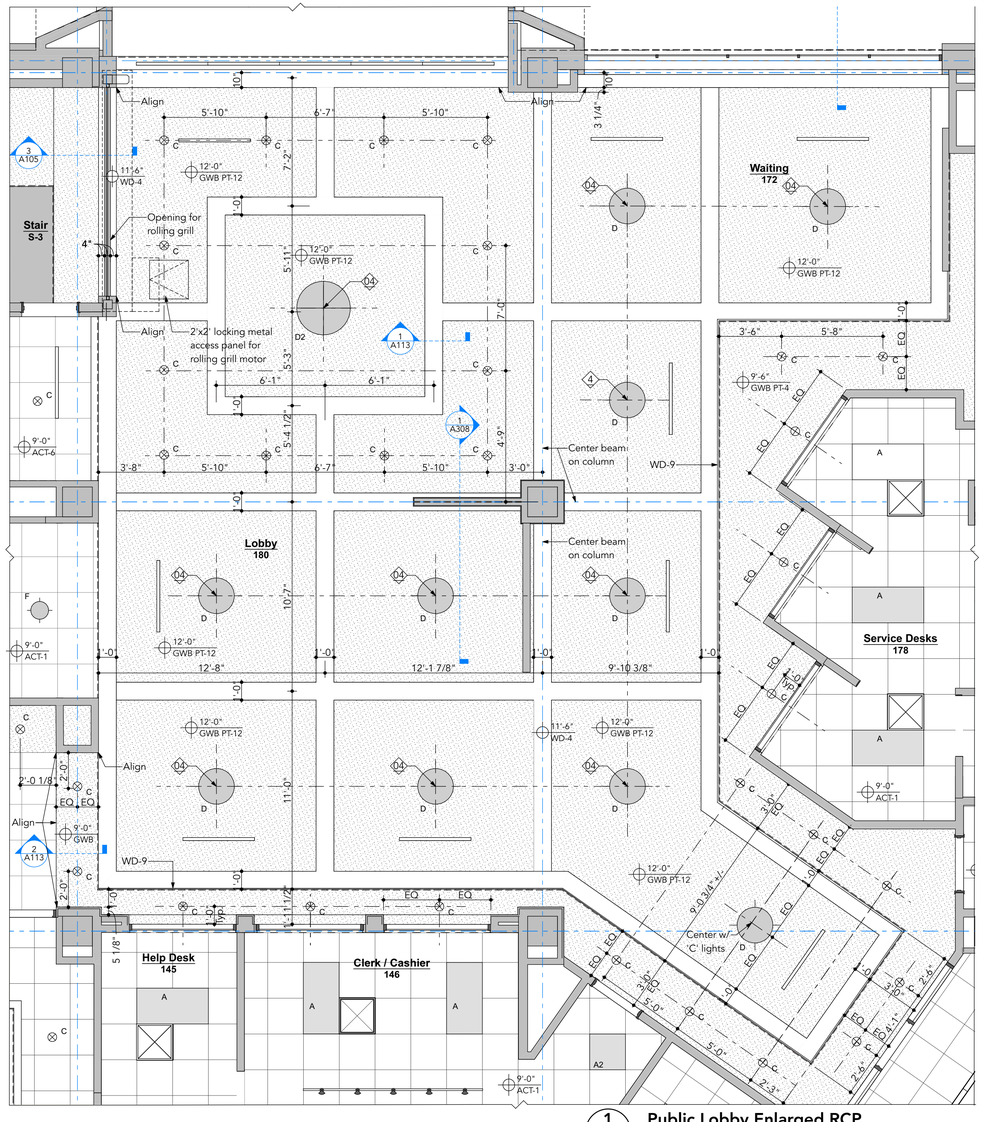
3 A111 Work Cafe Enlarged RCP

SCALE: 1/4" = 1'-0"



2 A111 Central Park Enlarged RCP

SCALE: 1/4" = 1'-0"



1 A111 Public Lobby Enlarged RCP

SCALE: 1/4" = 1'-0"

RCP Notes

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3. See Interiors sheets for finish information & room finish schedule.
4. Contractor responsible for reviewing specs and providing all necessary supporting accessories and lamping for lighting to be fully functional.
5. See Mechanical Sheets for locations of ceiling diffusers and other information.
6. Center lights in ceiling tiles, typ., UNO. Dimensions are to the centerline of light fixtures, unless noted otherwise.

RCP Keynotes

01 Open ceiling & deck be painted PT-3 above 9'-6" AFF including ductwork, conduit, piping & equipment.

02 Open ceiling & deck be painted PT-12 above 9'-0" AFF including ductwork, conduit, piping & equipment.

03 Transition between lay-in ceiling heights - use Armstrong Axiom Transition Trim AXTR12STR.

04 Center light in ceiling bay.

RCP Key

- New ACT
- Exist ACT
- New Gyp.
- Wood Plank

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Enlarged Reflected Ceiling Plans

A111

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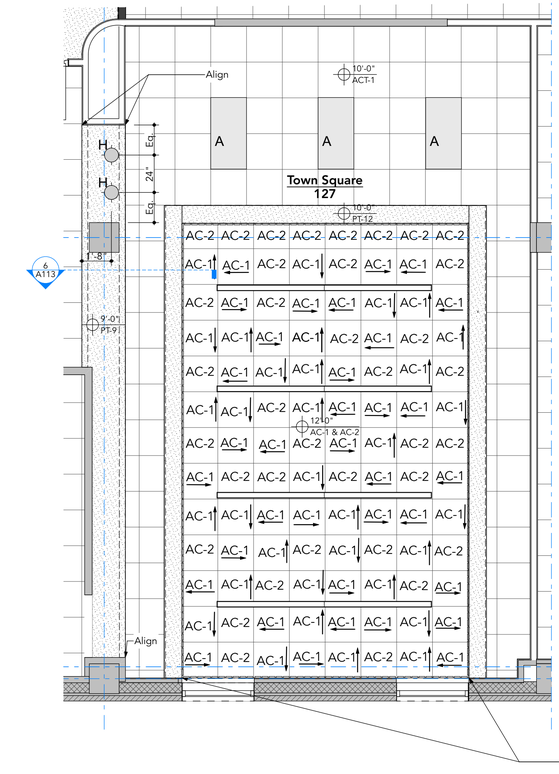

1 A112 **Town Square Enlarged Ceiling Plan**

SCALE: 1/4" = 1'-0"

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Enlarged Reflected Ceiling Plans

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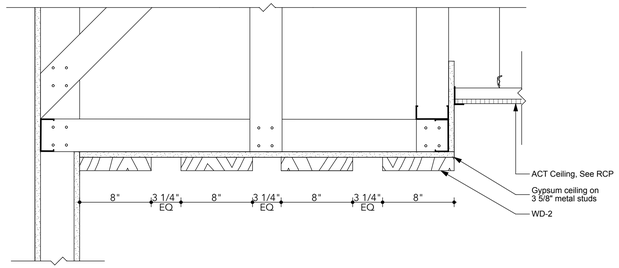
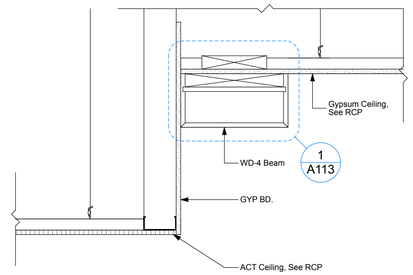


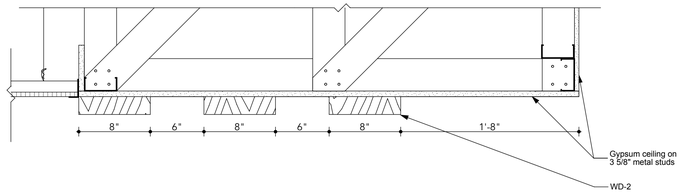
10 A113 **Upper Level Lobby to Corridor Transition Detail**

SCALE: 1 1/2" = 1'-0"



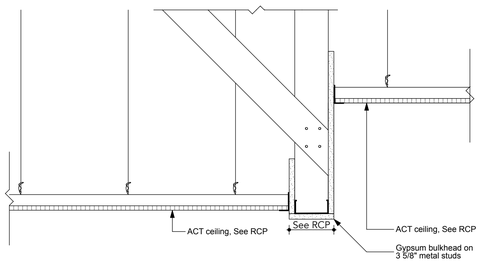
9 A113 **Upper Level Lobby to Corridor Transition Detail**

SCALE: 1 1/2" = 1'-0"



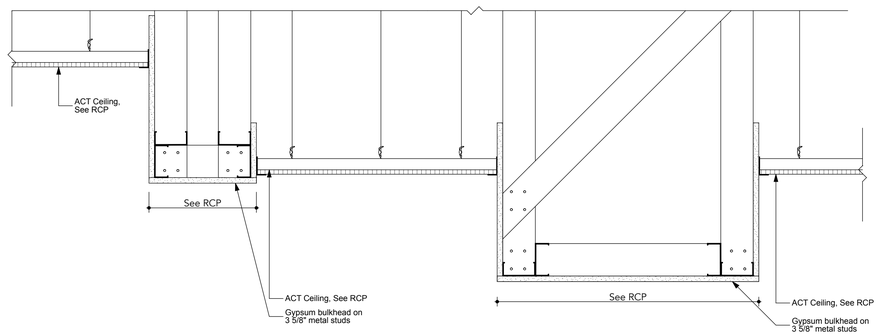
8 A113 **Work Cafe Ceiling Detail**

SCALE: 1 1/2" = 1'-0"



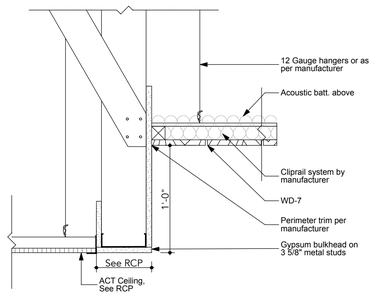
7 A113 **Service Desk Ceiling Detail**

SCALE: 1 1/2" = 1'-0"



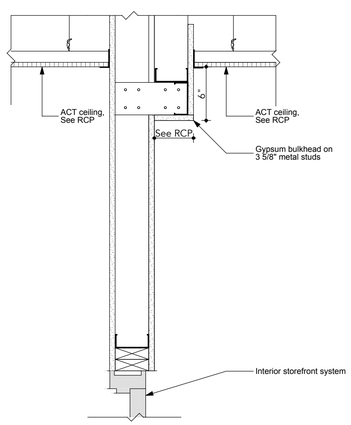
6 A113 **Town Square Ceiling Detail at Entry**

SCALE: 1 1/2" = 1'-0"



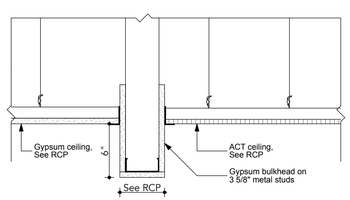
5 A113 **Connect 182 Wood Ceiling Detail**

SCALE: 1 1/2" = 1'-0"



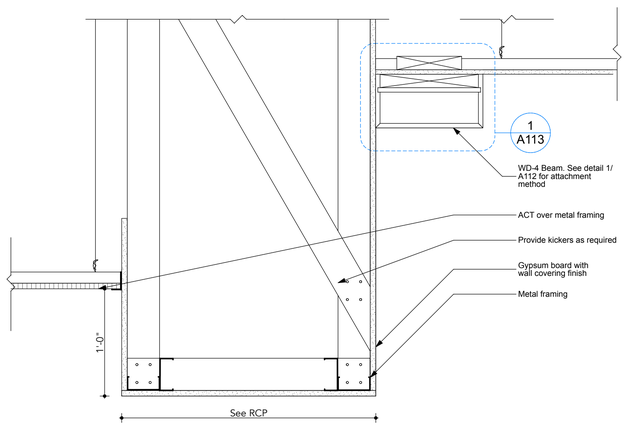
4 A113 **Connect 137 to Corridor Transition Detail**

SCALE: 1 1/2" = 1'-0"



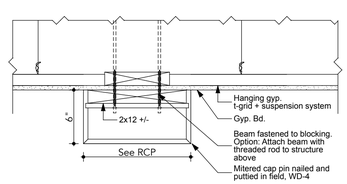
3 A113 **Central Park to Main Street Transition Detail: Gyp to ACT**

SCALE: 1 1/2" = 1'-0"



2 A113 **Corridor to Lobby Transition Detail**

SCALE: 1 1/2" = 1'-0"



1 A113 **Lobby Ceiling Detail**

SCALE: 1 1/2" = 1'-0"

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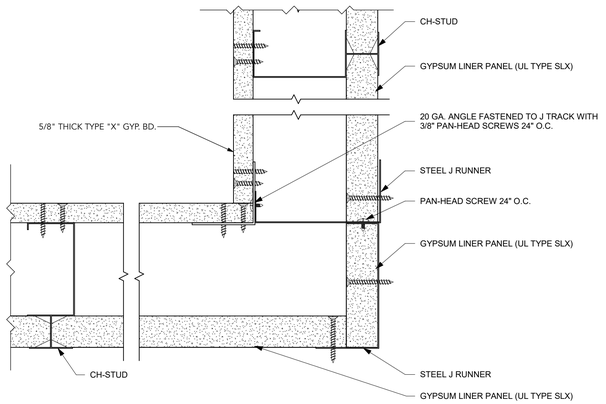
Ceiling Details

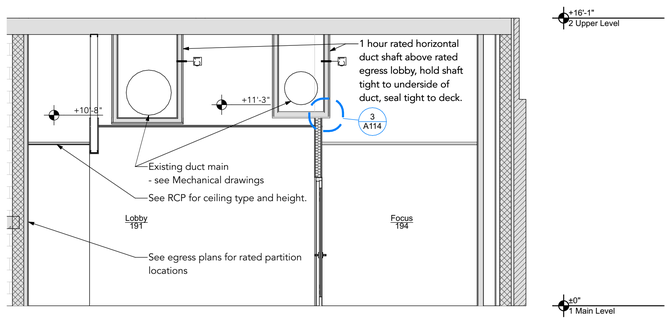
A113

9/8/25 - BIMcloud: Intersect AC27 Teamwork Sever - BIMcloud:Basic for Archicad 27/23046 Kzoo Crosstown/23046 Kzoo Crosstown Facility



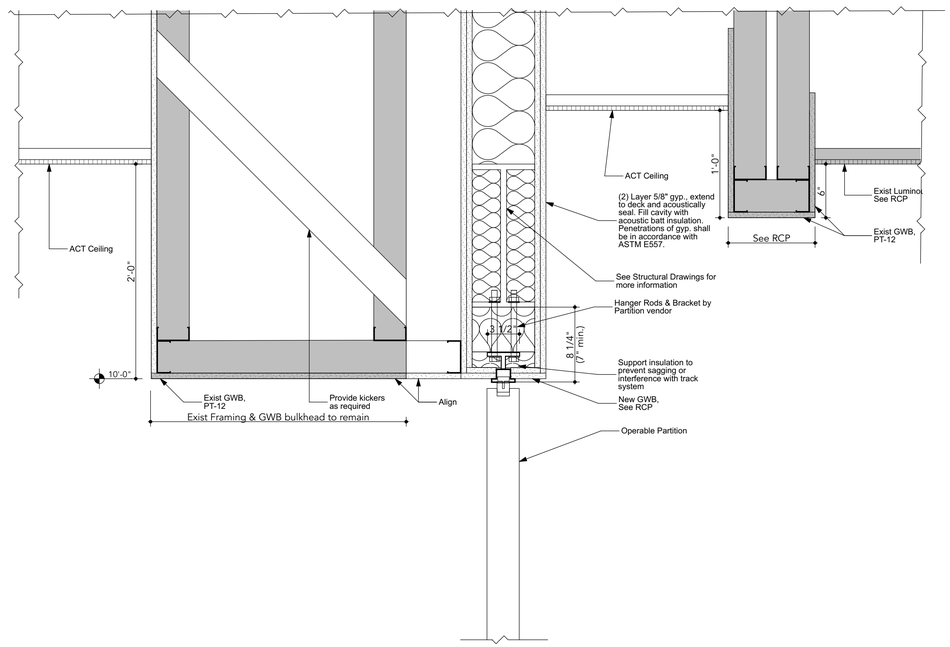
3 A114 **Rated Duct Shaft Detail**

SCALE: 6" = 1'-0"



2 A114 **Section @ Egress Lobby Horizontal Duct Shaft**

SCALE: 1/4" = 1'-0"



1 A114 **Operable Partition Section Detail**

SCALE: 1 1/2" = 1'-0"

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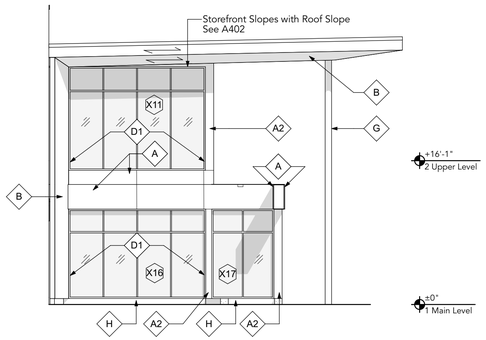
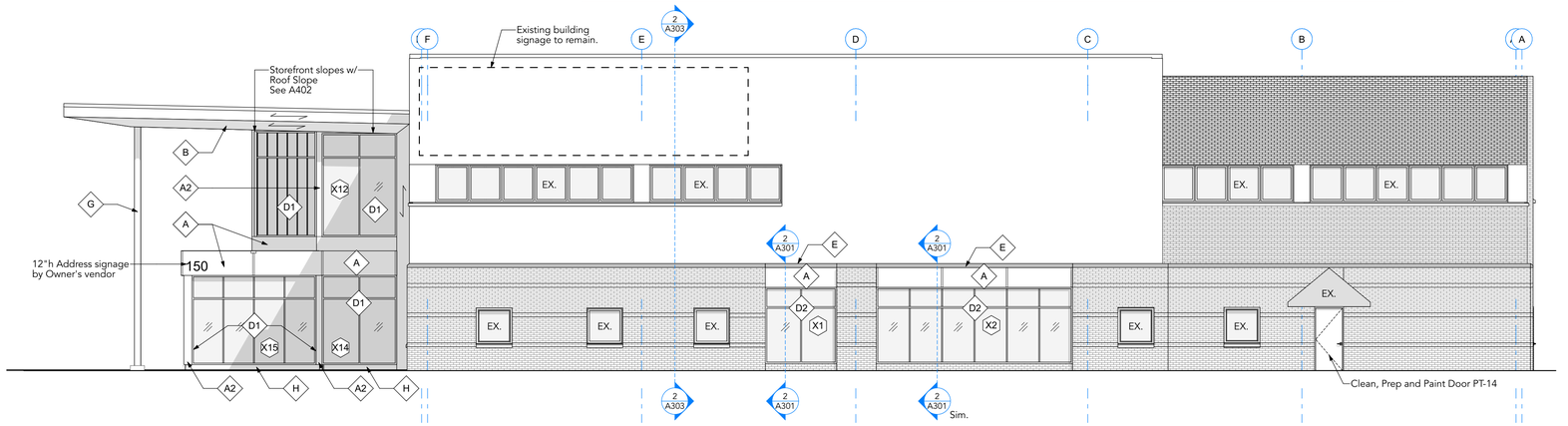
Ceiling Details

A114

EXTERIOR MATERIALS LEGEND

A	Cut in Field Metal Panel System Basis of Design: Citadel Panel 20 Color: Mansard Brown	D1	4 1/2" Aluminum Storefront System Basis of Design: Tubelite T14000 Color: Champagne Anodize	G	Galvanized Steel Columns - prime & paint PT-14.
A2	Cut in Field Metal Panel System Basis of Design: Citadel Panel 20 Color: Champagne Anodized	D2	4 1/2" Aluminum Storefront System Basis of Design: Tubelite T14000 Color: Dark Bronze Anodize	H	Concrete Sill
B	Tongue & groove 'Wood-Look' aluminum soffit plank system. Basis of Design: Longboard Finish: Light Bamboo	E	Existing Copper Flashing to remain.		
C	Patch & repair PE EIFS system after demolition to match existing. Paint all remaining EIFS PT-13. Provide test swatch in field.	F	Tooth in brick from existing brick salvaged during demo, include light brick bands		



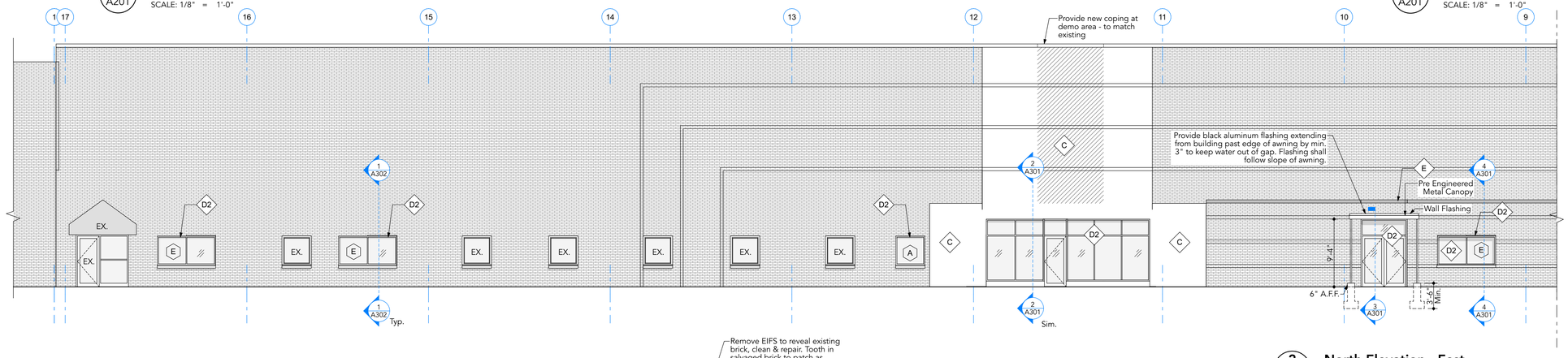


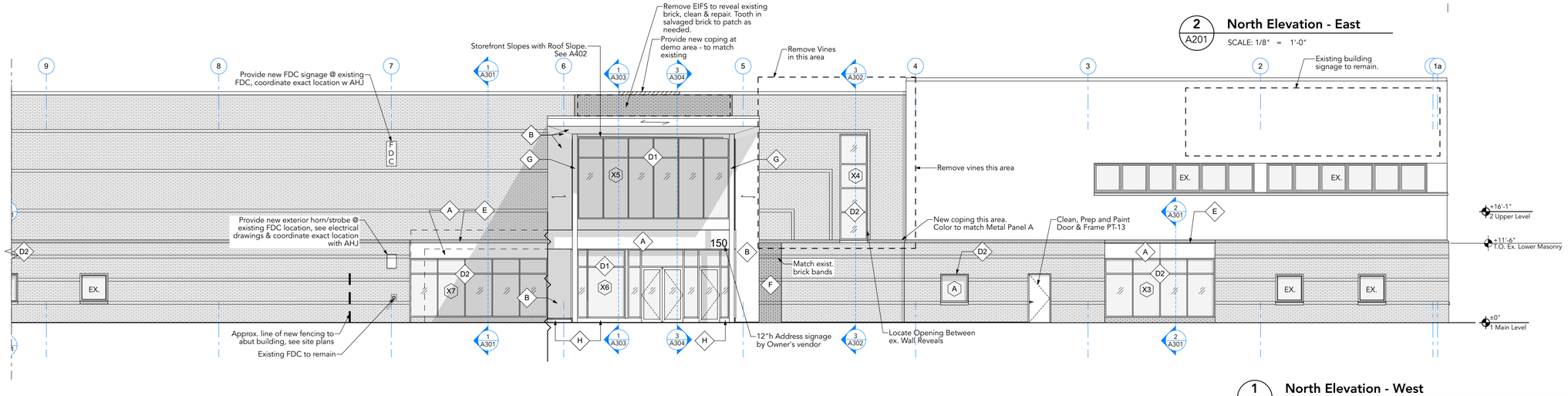
4 A201 Entry - East Elevation

SCALE: 1/8" = 1'-0"

3 A201 WEST Elevation

SCALE: 1/8" = 1'-0"





2 A201 North Elevation - East

SCALE: 1/8" = 1'-0"

1 A201 North Elevation - West

SCALE: 1/8" = 1'-0"

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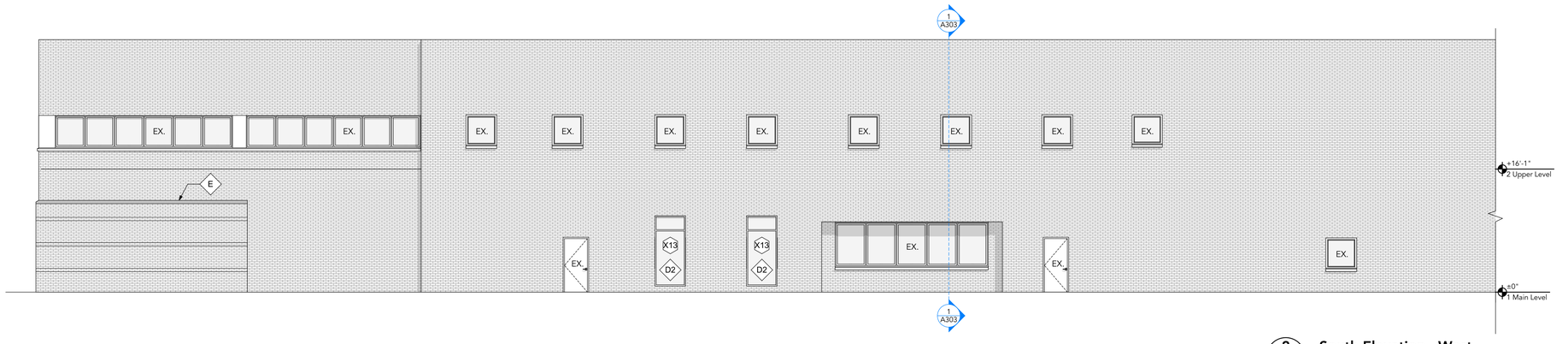
Exterior Elevations

A201

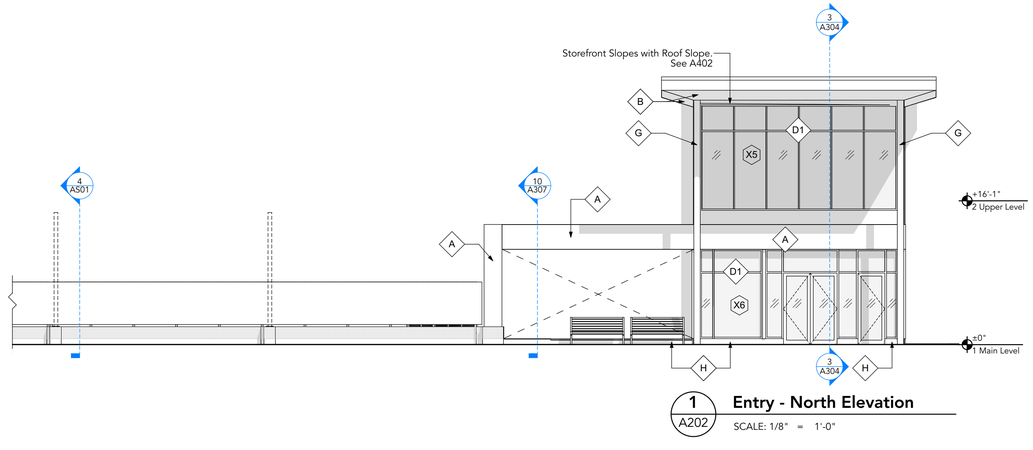
EXTERIOR MATERIALS LEGEND

A	Cut in Field Metal Panel System Basis of Design: Citadel Panel 20 Color: Mansard Brown	D1	4 1/2" Aluminum Storefront System Basis of Design: Tubelite T14000 Color: Champagne Anodize	G	Galvanized Steel Columns - prime & paint PT-14.
A2	Cut in Field Metal Panel System Basis of Design: Citadel Panel 20 Color: Champagne Anodized	D2	4 1/2" Aluminum Storefront System Basis of Design: Tubelite T14000 Color: Dark Bronze Anodize	H	Concrete Sill
B	Tongue & groove 'Wood-Look' aluminum soffit plank system. Basis of Design: Longboard Finish: Light Bamboo	E	Existing Copper Flashing to remain.		
C	Patch & repair PE EIFS system after demolition to match existing. Paint all remaining EIFS PT-13. Provide test swatch in field.	F	Tooth in brick from existing brick salvaged during demo, include light brick bands		



2 A202 South Elevation - West

SCALE: 1/8" = 1'-0"



1 A202 Entry - North Elevation

SCALE: 1/8" = 1'-0"

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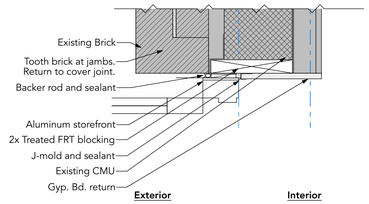
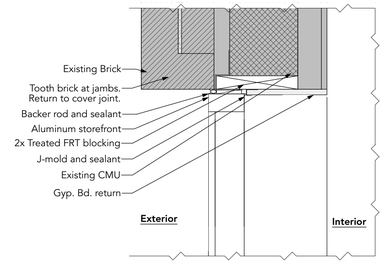
Exterior Elevations

A202



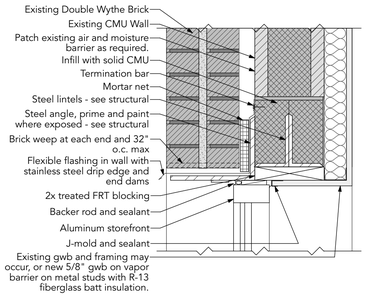
13 A301 **Aluminum SF Door Jamb**

SCALE: 1 1/2"= 1'-0"



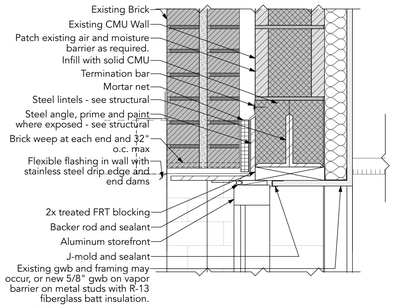
12 A301 **Aluminum SF Jamb at Double Wythe Brick**

SCALE: 1 1/2"= 1'-0"



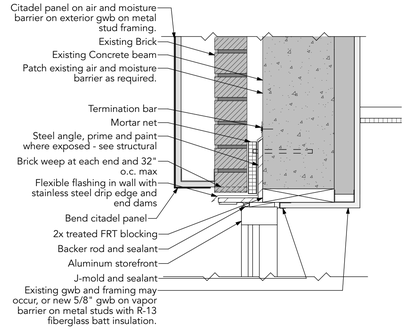
11 A301 **FG Fixed Window Head at Double Wythe Brick**

SCALE: 1 1/2"= 1'-0"



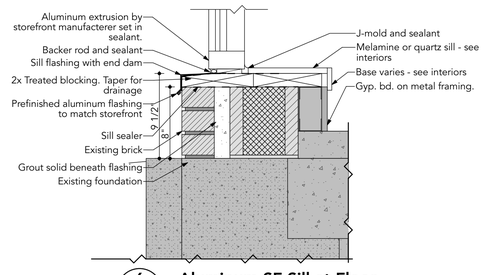
10 A301 **Aluminum SF Trans Head**

SCALE: 1 1/2"= 1'-0"



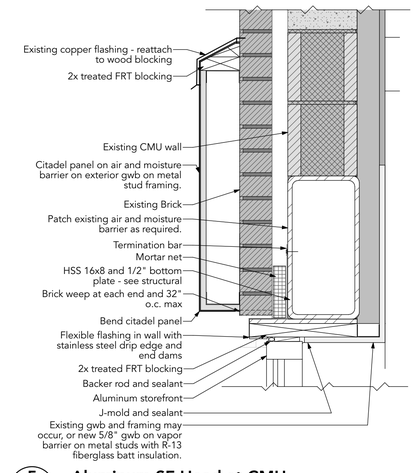
9 A301 **Aluminum SF Head at Concrete**

SCALE: 1 1/2"= 1'-0"



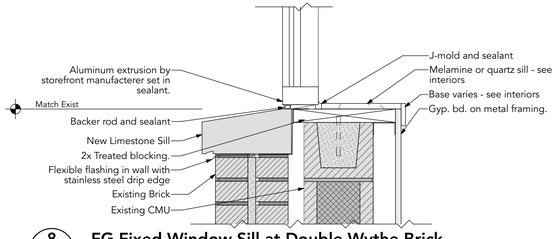
6 A301 **Aluminum SF Sill at Floor**

SCALE: 1 1/2"= 1'-0"



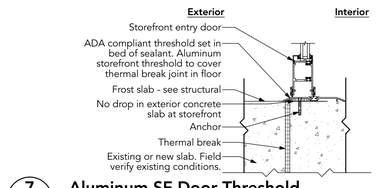
5 A301 **Aluminum SF Head at CMU**

SCALE: 1 1/2"= 1'-0"



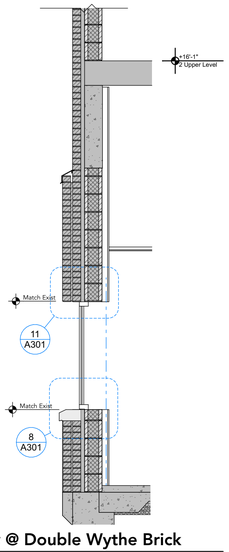
8 A301 **FG Fixed Window Sill at Double Wythe Brick**

SCALE: 1 1/2"= 1'-0"



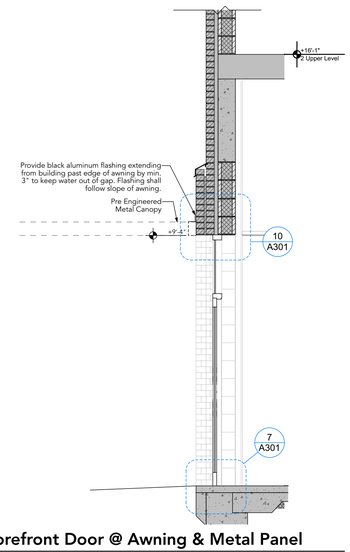
7 A301 **Aluminum SF Door Threshold**

SCALE: 1 1/2"= 1'-0"



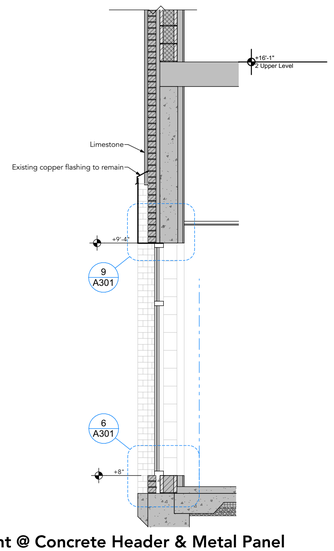
4 A301 **Punched Window @ Double Wythe Brick**

SCALE: 3/8" = 1'-0"



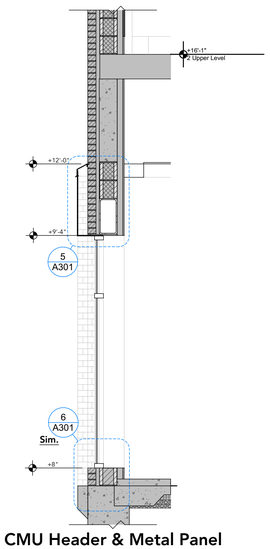
3 A301 **Storefront Door @ Awning & Metal Panel**

SCALE: 3/8" = 1'-0"



2 A301 **Storefront @ Concrete Header & Metal Panel**

SCALE: 3/8" = 1'-0"



1 A301 **Storefront @ CMU Header & Metal Panel**

SCALE: 3/8" = 1'-0"

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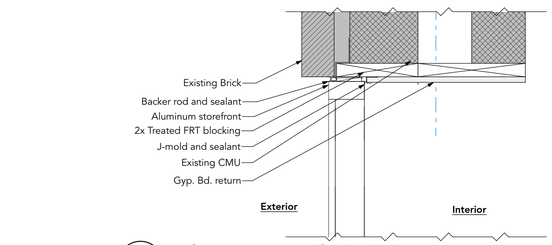
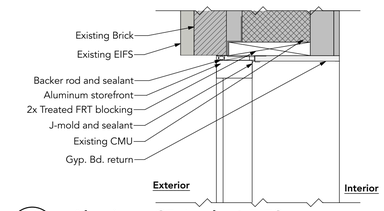
Exterior Wall Sections

A301



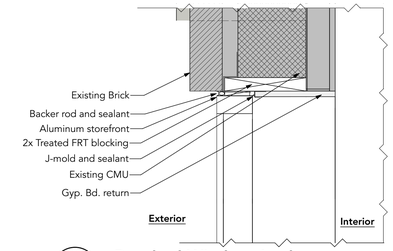
12 A302 **Aluminum SF Jamb at Stair S-2**

SCALE: 1 1/2"= 1'-0"



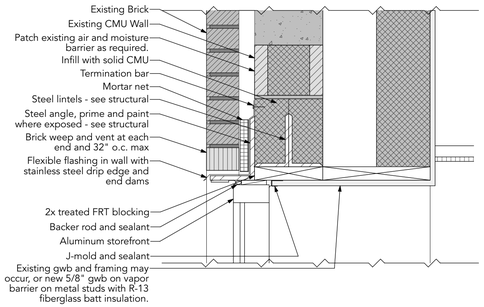
11 A302 **Aluminum SF Jamb at EIFS**

SCALE: 1 1/2"= 1'-0"



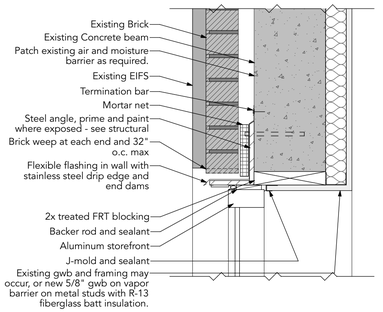
10 A302 **Punched Window Jamb**

SCALE: 1 1/2"= 1'-0"



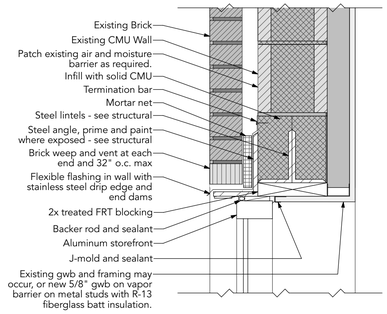
9 A302 **Aluminum SF Head at Stair S-2**

SCALE: 1 1/2"= 1'-0"



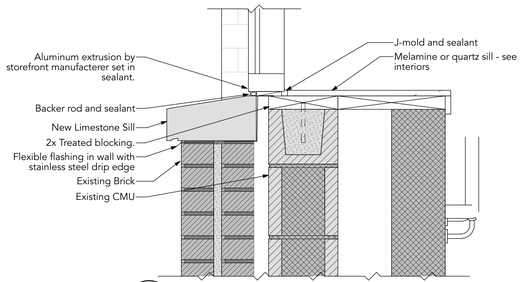
8 A302 **Aluminum SF Head at EIFS**

SCALE: 1 1/2"= 1'-0"



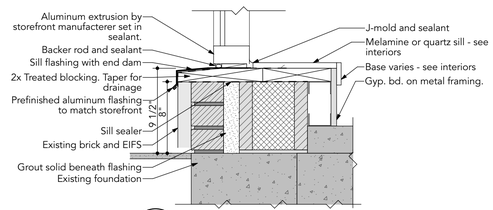
7 A302 **Punched Window Head**

SCALE: 1 1/2"= 1'-0"



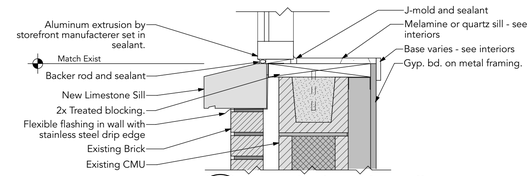
6 A302 **Aluminum SF Sill at Stair S-2**

SCALE: 1 1/2"= 1'-0"



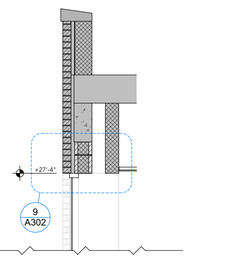
5 A302 **Aluminum SF Sill at EIFS**

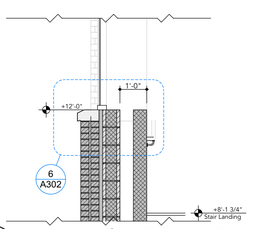
SCALE: 1 1/2"= 1'-0"



4 A302 **Punched Window Sill**

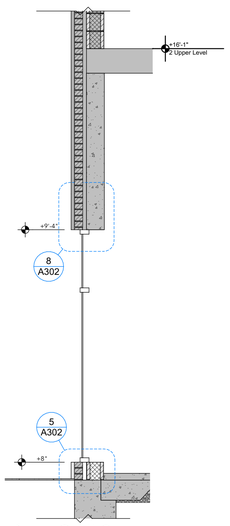
SCALE: 1 1/2"= 1'-0"





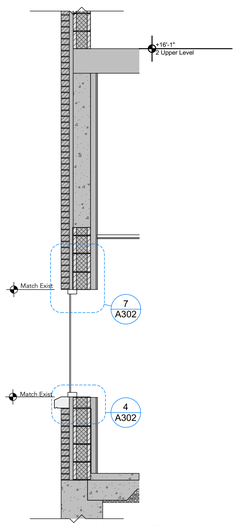
3 A302 **New Window @ Stair S-2**

SCALE: 3/8" = 1'-0"



2 A302 **Storefront @ EIFS**

SCALE: 3/8" = 1'-0"



1 A302 **Punched Window @ Single Wythe Brick**

SCALE: 3/8" = 1'-0"

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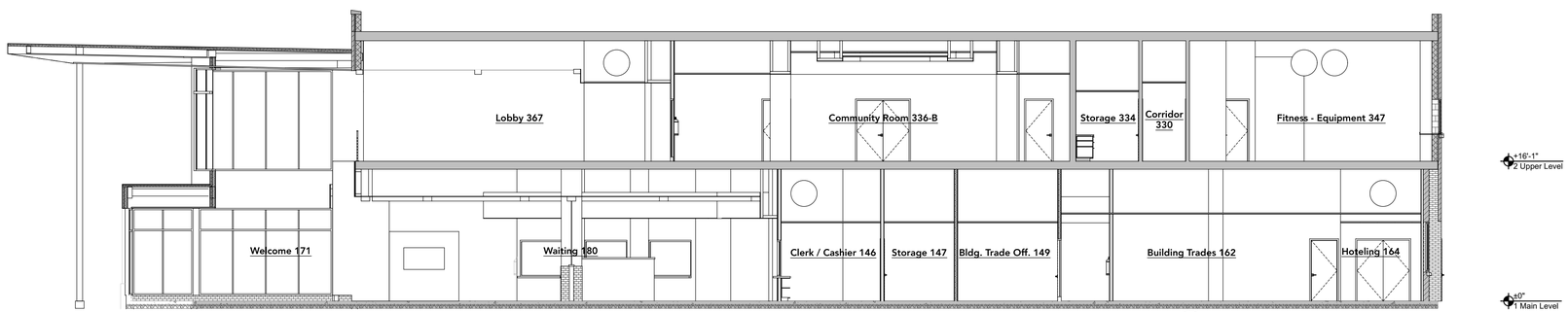
Exterior Wall Sections

A302

3 A303 **East-West Section B**
SCALE: 1/8" = 1'-0"

2 A303 **East-West Section A**
SCALE: 1/8" = 1'-0"



1 A303 **North-South Building Section**
SCALE: 1/8" = 1'-0"

9/8/25 - BIM/cloud: Intersect AC27 Teamwork Server - BIM/cloud Basic for Archicad 27/23046 Kzoo Crosstown/23046 Kzoo Crosstown Facility

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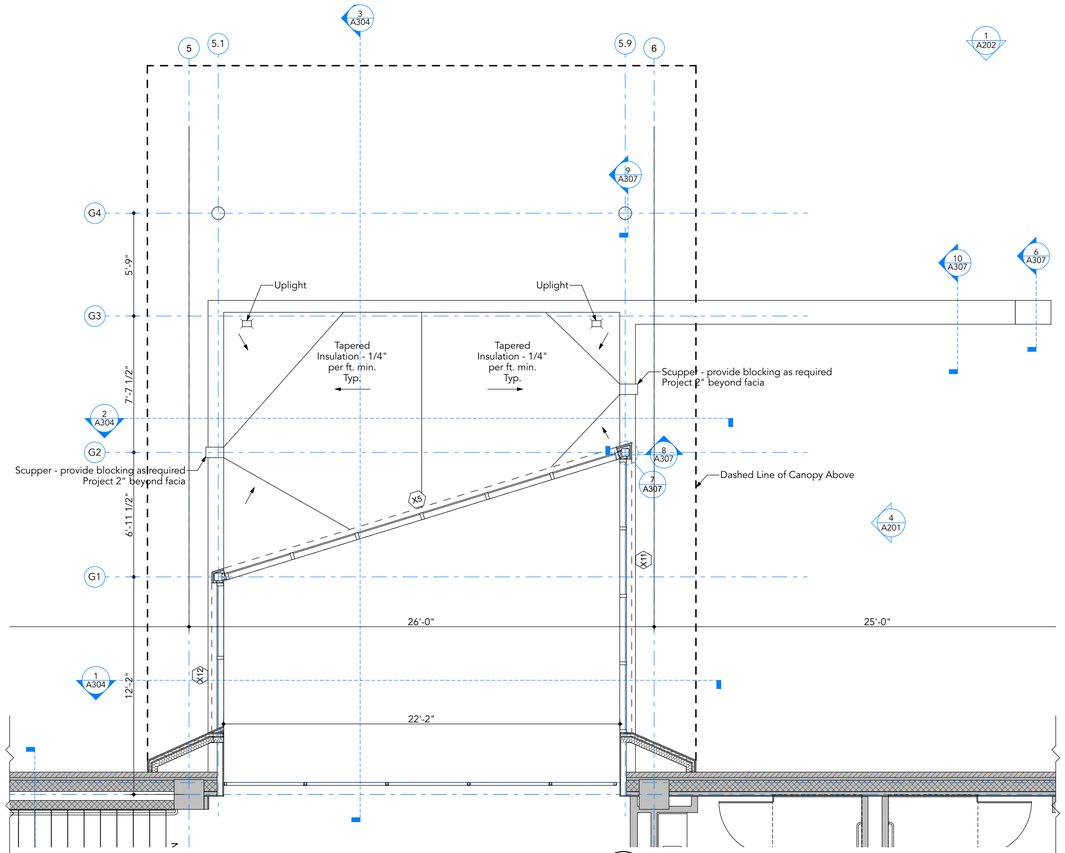
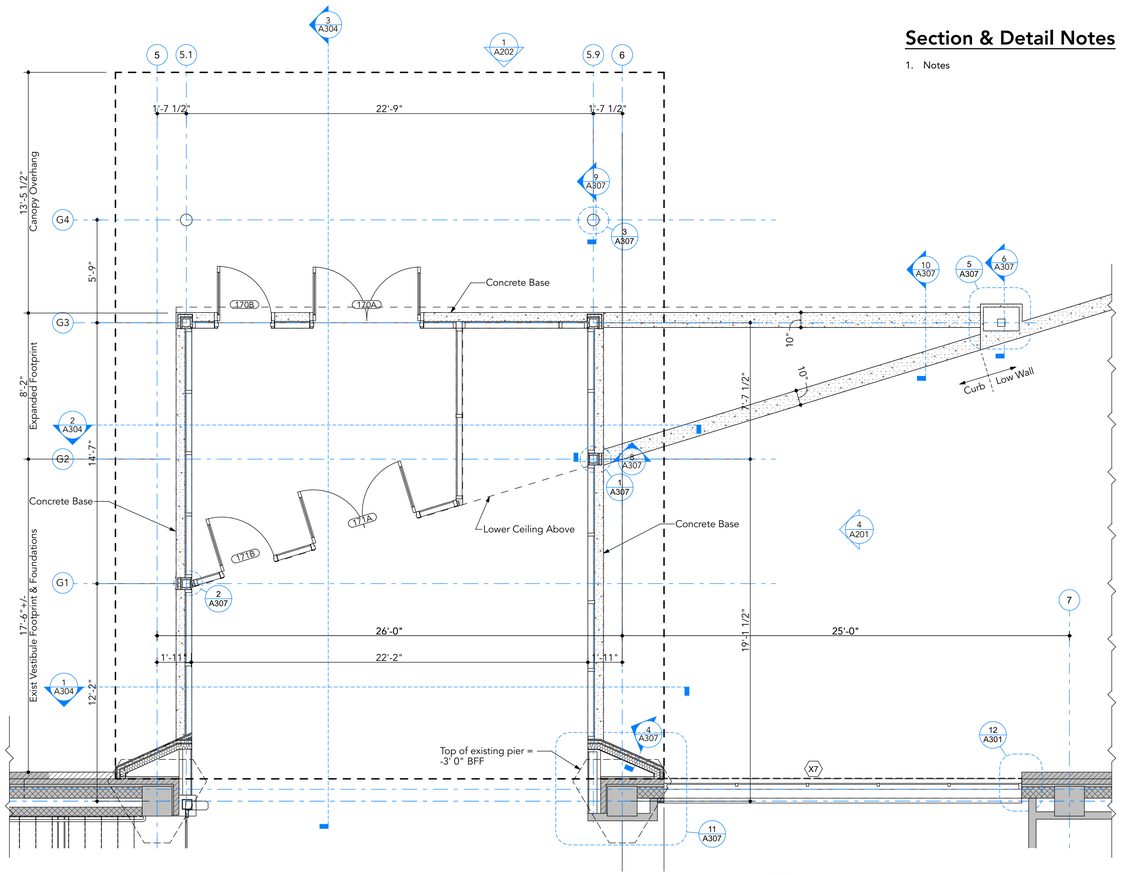
Building Sections

A303



5 A304 **Entry and Canopy Upper Level Plan**

SCALE: 1/4" = 1'-0"

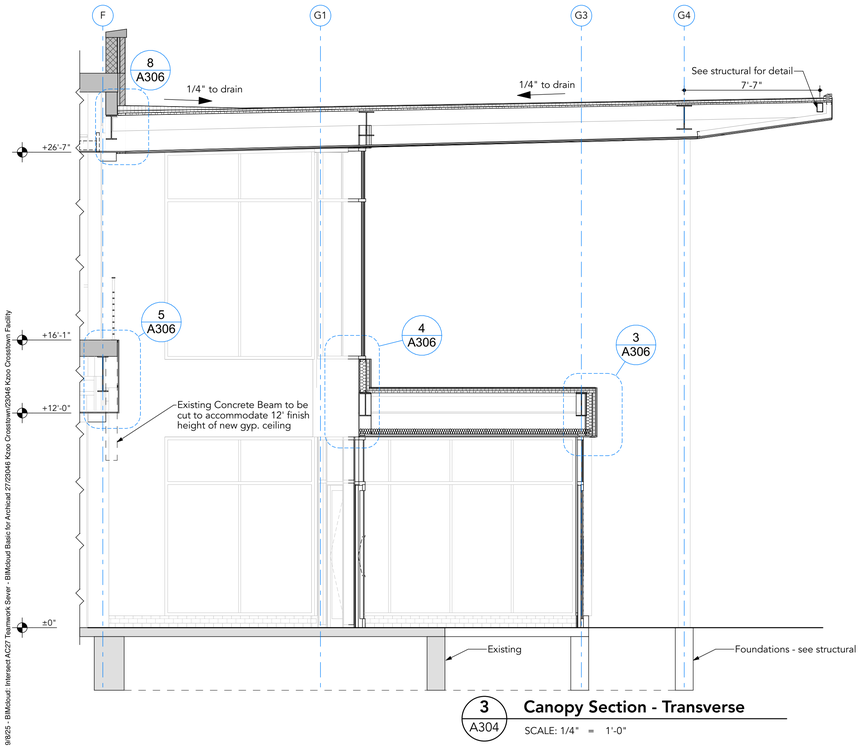


Section & Detail Notes

1. Notes

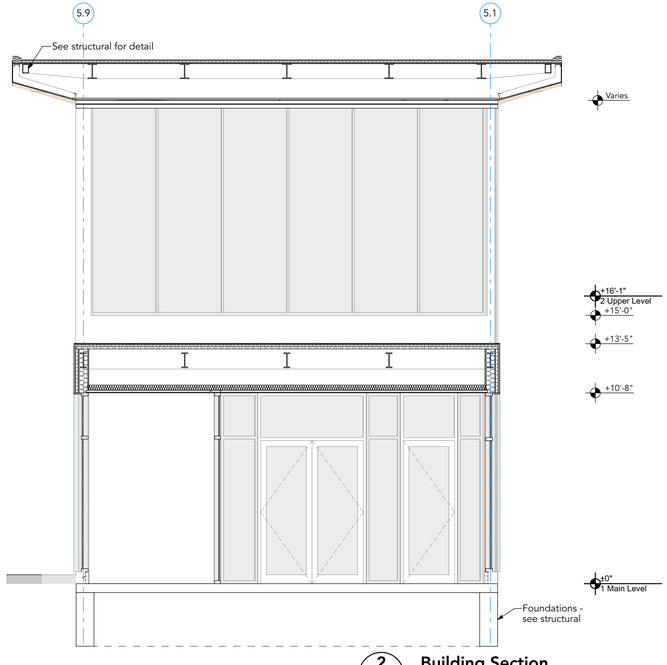
6 A304 **Entry and Canopy Plan**

SCALE: 1/4" = 1'-0"



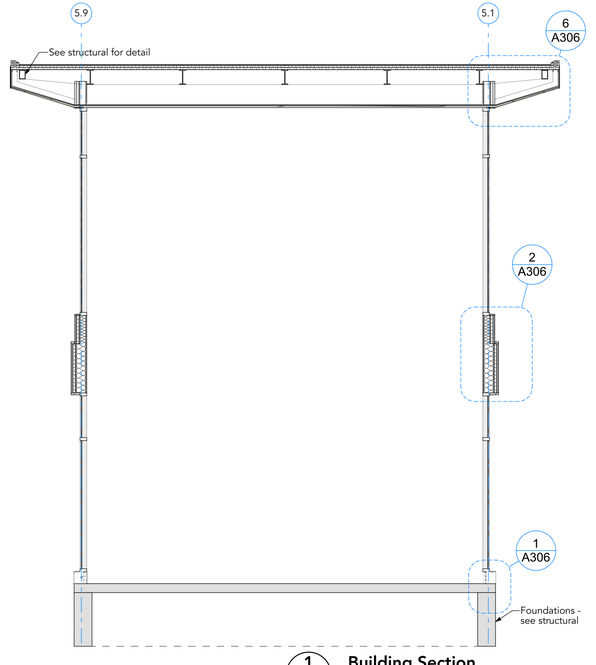
3 A304 **Canopy Section - Transverse**

SCALE: 1/4" = 1'-0"



2 A304 **Building Section**

SCALE: 1/4" = 1'-0"



1 A304 **Building Section**

SCALE: 1/4" = 1'-0"

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150 E Crosstown Parkway Kalamazoo MI 49001

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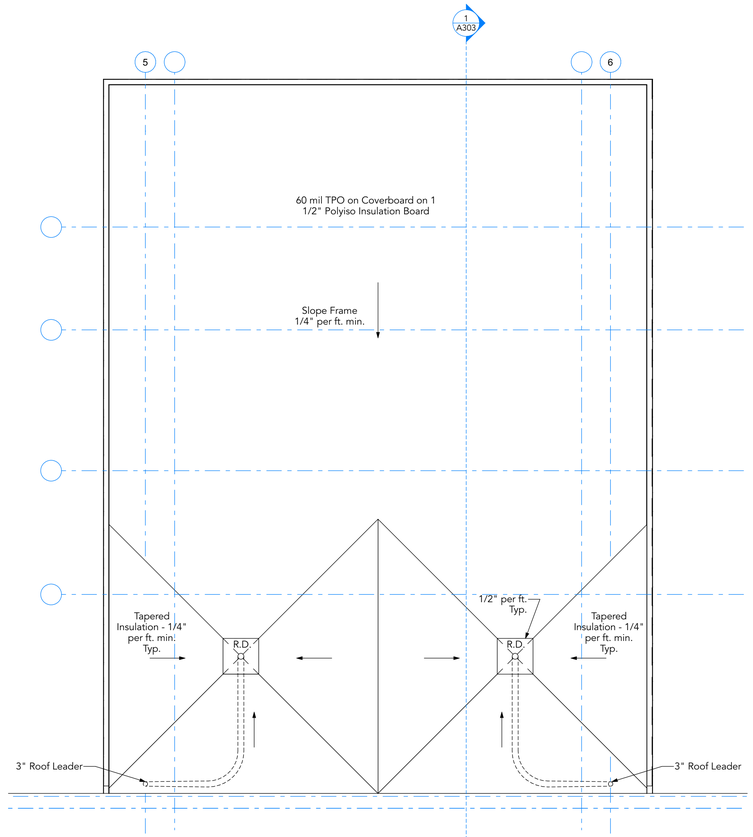
Entry and Canopy

A304

9/8/25 - BIMcloud: Intersect ACD7 Teamwork Server - BIMcloud Basic for Archicad 27/23046 Kzoo Crosstown/23046 Kzoo Crosstown Facility



1 A305 **Entry Canopy Roof Plan**

SCALE: 1/4" = 1'-0"

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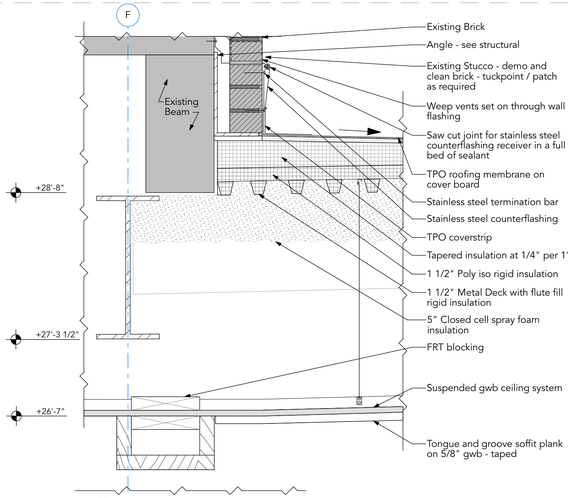
Entry Canopy Roof Plan

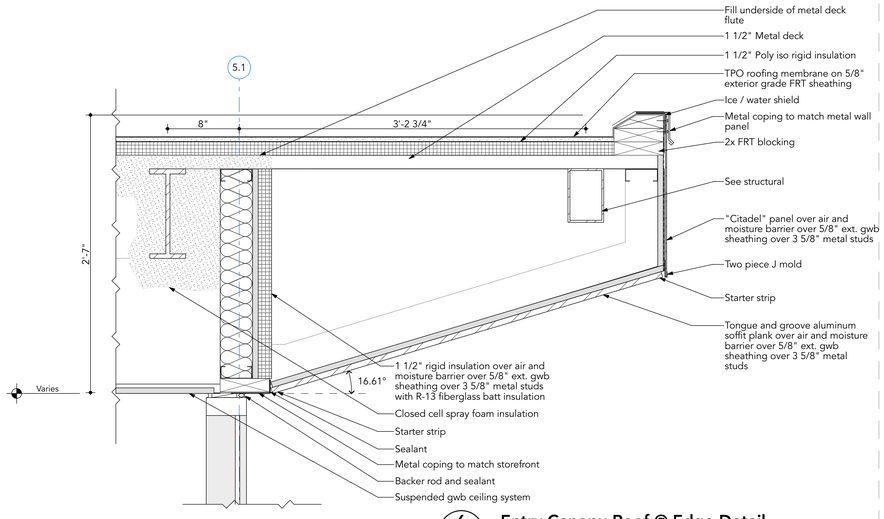
A305

9/8/25 - BIM360://Intersect ACS7 Teamwork Server - BIM360://Basic for Archicad 27/23046 Kzoo Crosstown/23046 Kzoo Crosstown Facility



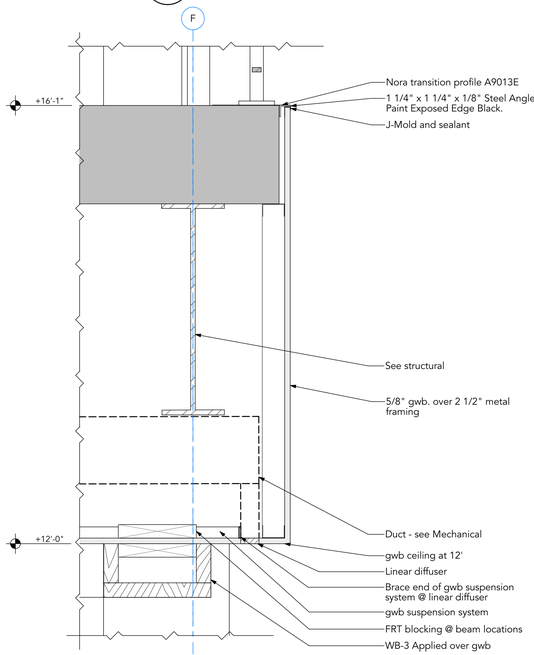
8 A306 Entry Canopy Roof @ Existing Wall Detail

SCALE: 1 1/2"= 1'-0"



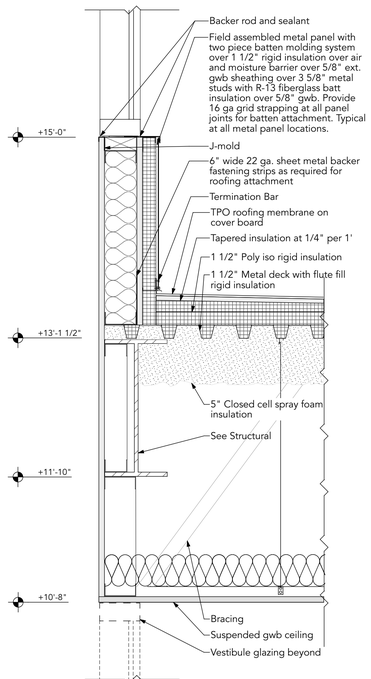
6 A306 Entry Canopy Roof @ Edge Detail

SCALE: 1 1/2"= 1'-0"



5 A306 Entry Canopy @ Balcony Detail

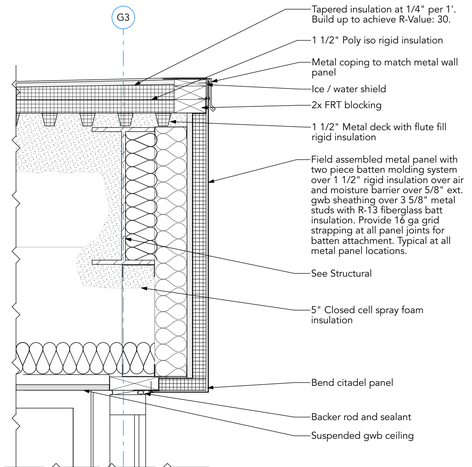
SCALE: 1 1/2"= 1'-0"



4 A306 Entry Canopy @ Lower Roof to Wall Detail

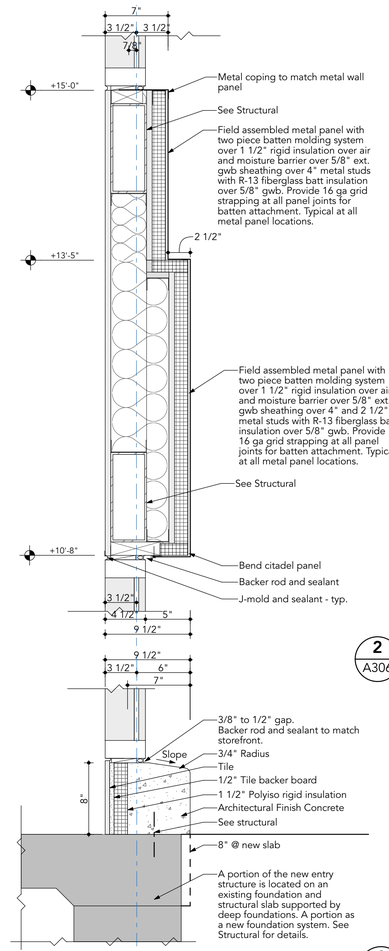
SCALE: 1 1/2"= 1'-0"

Roof Thermal R-Value Prescriptive: R-30.
4" = 23.6
4.5" = 26.8
5/8" FRT = 0.78



3 A306 Entry Canopy @ Lower Roof Edge Detail

SCALE: 1 1/2"= 1'-0"



2 A306 Entry Canopy Panel Step Detail

SCALE: 1 1/2"= 1'-0"

1 A306 Entry Canopy Base Detail

SCALE: 1 1/2"= 1'-0"

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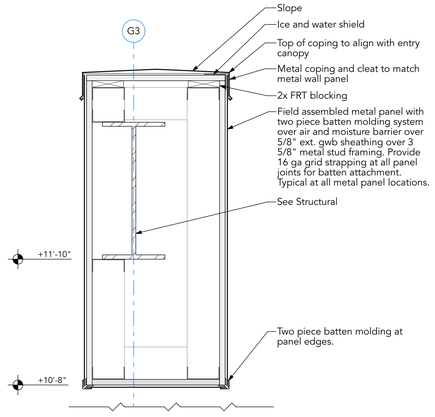
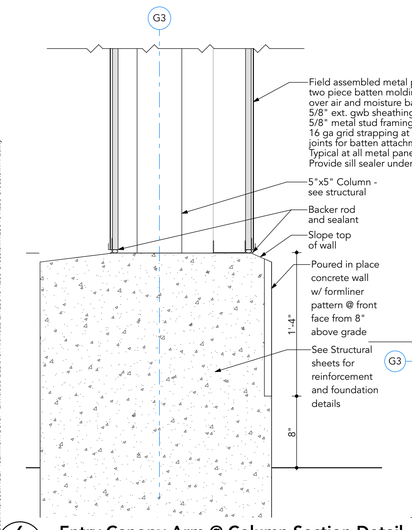
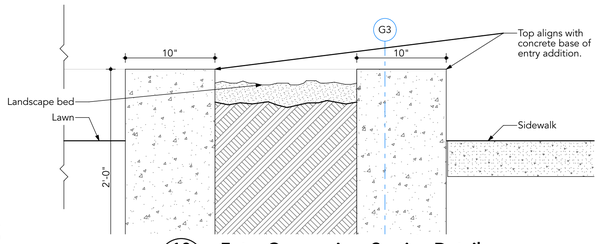
Entry Canopy Details

A306

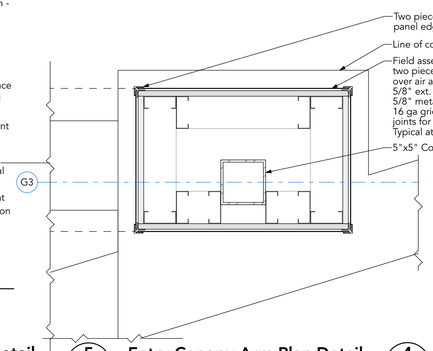




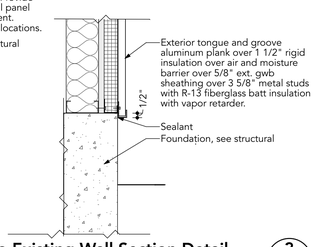
6 / A307 Entry Canopy Arm @ Column Section Detail
SCALE: 1 1/2"= 1'-0"



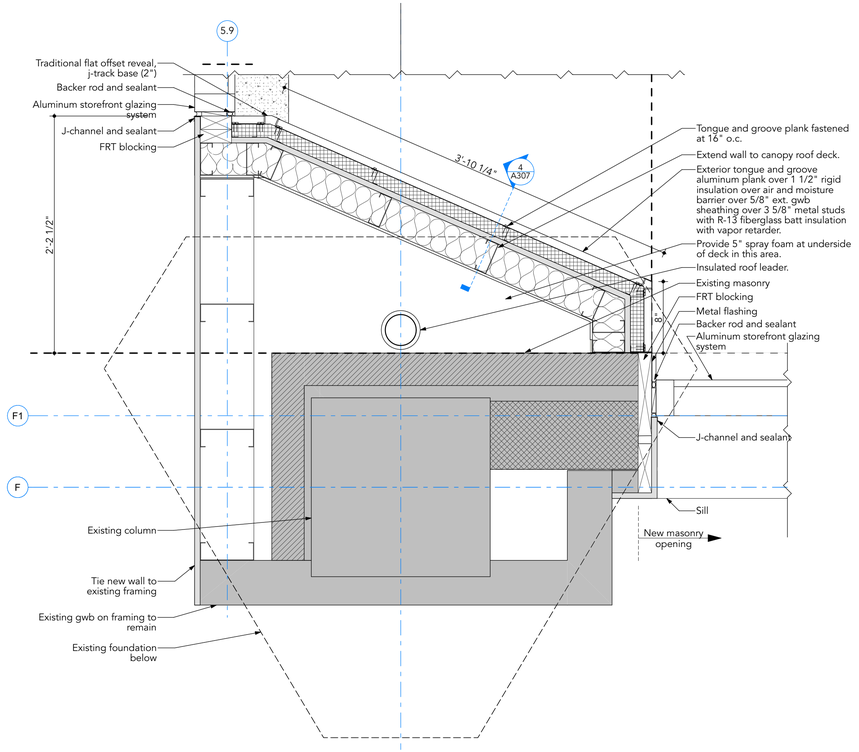
10 / A307 Entry Canopy Arm Section Detail
SCALE: 1 1/2"= 1'-0"



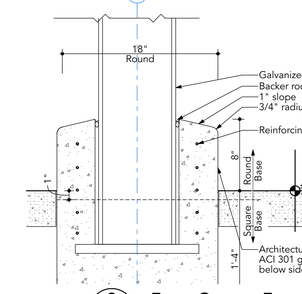
5 / A307 Entry Canopy Arm Plan Detail
SCALE: 1 1/2"= 1'-0"



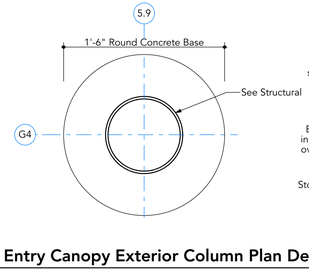
4 / A307 Entry to Existing Wall Section Detail
SCALE: 1 1/2"= 1'-0"



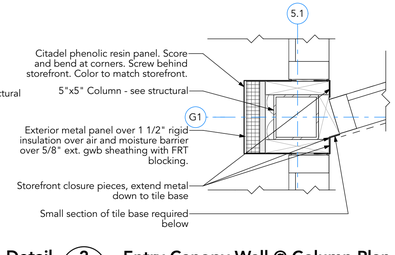
11 / A307 Entry to Existing Wall Plan Detail
SCALE: 1 1/2"= 1'-0"



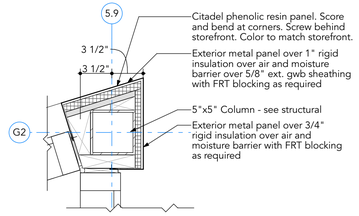
9 / A307 Entry Canopy Exterior Column Section Detail
SCALE: 1 1/2"= 1'-0"



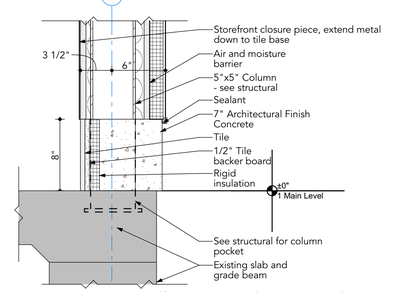
3 / A307 Entry Canopy Exterior Column Plan Detail
SCALE: 1 1/2"= 1'-0"



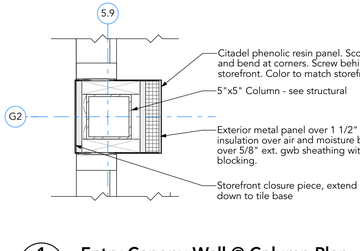
2 / A307 Entry Canopy Wall @ Column Plan
SCALE: 1 1/2"= 1'-0"



7 / A307 Entry Canopy Wall 2nd Fl @ Column Plan
SCALE: 1 1/2"= 1'-0"



8 / A307 Entry Canopy Wall Base @ Column Detail
SCALE: 1 1/2"= 1'-0"



1 / A307 Entry Canopy Wall @ Column Plan
SCALE: 1 1/2"= 1'-0"

9/8/25 - 3:44:00 PM Layout: Intersect ACAD Teamwork Server - BIM\cloud Basic for Archicad 27\2046 Kzoo Crosstown\2046 Kzoo Crosstown Facility

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Entry Canopy Details

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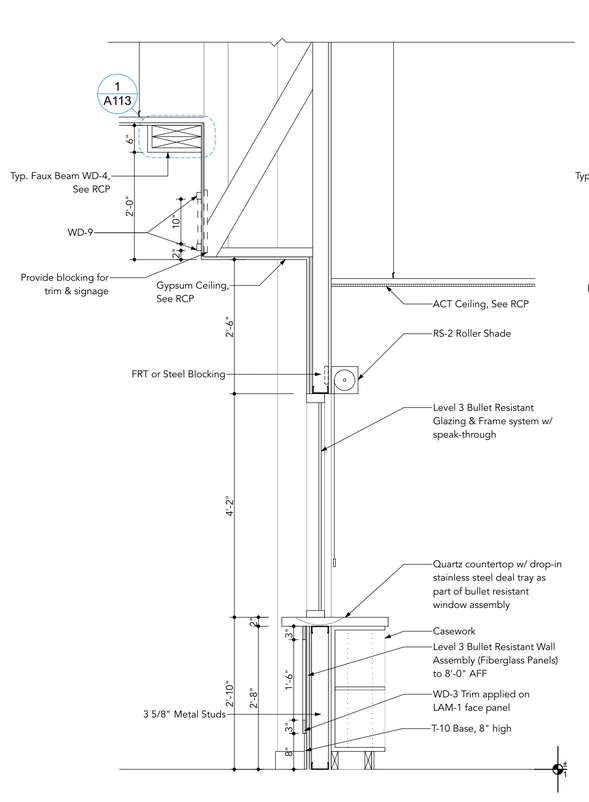
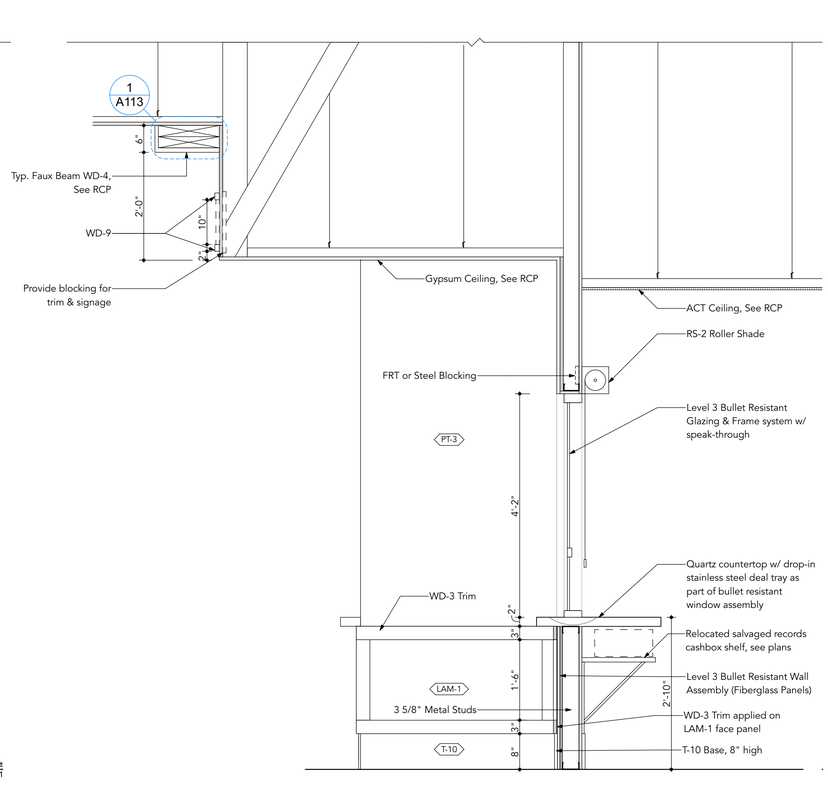


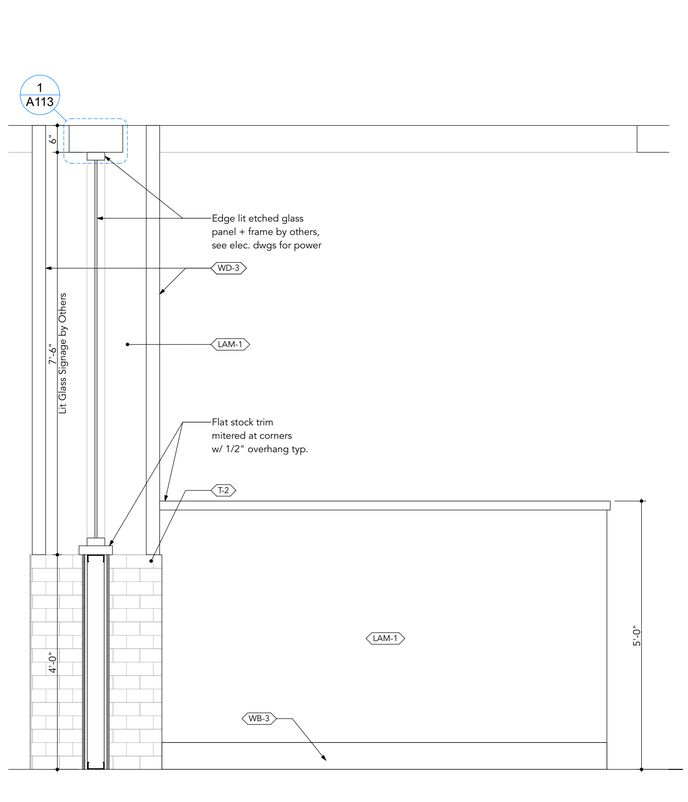
3 A308 **Service Desk Section - Clerk**

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



2 A308 **Service Desk Section - Records**

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



1 A308 **Lobby Wall Section**

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

9/8/25 - BIMcloud: Intersect AC27 Teamwork Sever - BIMcloud Basic for Archicad 27/2024 Kzoo Crosstown/2024 Kzoo Crosstown Facility

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Details

A308

Door Hardware Sets

TAG	TYPE	DESCRIPTION	FINISH
A	Sliding Doors: Offices, Connect	18" Back to Back Ladder Pulls	Satin Chrome US28
		Sliding door track with Soft Close - See Specifications	
B	Swing Doors: Offices, Focus, Connect	Office lever set	Satin Chrome US28
		Wall Stop	Satin Chrome US28
C	Exterior Egress Door	12" Vertical Offset Pull	Satin Chrome US28
		Continuous hinge	Satin Chrome US28
		Exit device with surface rods, electric latch retraction/fail safe	Satin Chrome US28
		Card Reader & Electronic strike (fail safe) — coordinate with Owner's Tech vendor	
		Closer	Satin Chrome US28
		Weatherstripping & Threshold	
D	Single User Toilets, Wellness / Lactation, Recharge Rooms	Privacy lever set	Satin Chrome US28
		Rescue function	
		Closer	Satin Chrome US28
		Occupancy indicator	
		Wall Stop	Satin Chrome US28
E	Main Entry Exterior Doors	18" Vertical Offset Pull	Satin Chrome US28
		Continuous hinge	Satin Chrome US28
		Exit device with surface rods, electric latch retraction	Satin Chrome US28
		Auto operator with push button	
		Card Reader & Electronic strike (fail secure) — coordinate with Owner's Tech vendor	
		Timed lock/unlock	
		Closer	
		Weatherstripping & Threshold	
F	Entry Vestibule Interior Door	18" Vertical Offset Pull	Satin Chrome US28
		Exit device with trim	Satin Chrome US28
		Closer	Satin Chrome US28
G	Interior Secure Egress Doors	Continuous hinge	Satin Chrome US28
		Exit device with trim	Satin Chrome US28
		Closer	Satin Chrome US28
		Pull handle	Satin Chrome US28
		Card Reader & Electronic strike (fail safe) - coordinate with Owner's Tech vendor	
H	Interior Egress Doors	Continuous hinge	Satin Chrome US28
		Exit device with trim	Satin Chrome US28
		Closer w Hold Open	Satin Chrome US28
		Pull handle	Satin Chrome US28
J	Passage Doors	Passage lever set	Satin Chrome US28
		Kickdown Door stop	Satin Chrome US28
		Wall Stop	Satin Chrome US28
L	Secure Doors, Server Rooms	Lever set	Satin Chrome US28
		Wall stop	Satin Chrome US28
		Card Reader & Electronic strike (fail secure) - coordinate with Owner's Tech vendor	
		Closer	Satin Chrome US28
M	Multi User Restroom	Closer	Satin Chrome US28
		Push/pull plates	Satin Chrome US28
		Kickplate	Satin Chrome US28
N	Hold Open Fire Door	Lever Set	Satin Chrome US28
		Exit device with trim	Satin Chrome US28
		Electromagnetic Hold Open w Emergency Release	Satin Chrome US28
		Closer	Satin Chrome US28
P	Passage Fire Door	Passage Lever set	Satin Chrome US28
		Wall stop	Satin Chrome US28
		Closer	Satin Chrome US28
Q	Overhead Rolling Grille	Motorized Security Grille w/ Emergency Open - see specifications	
		Key Controlled Door Raise/Lower	

NOTES

1. Provide hardware submittal for review by architect.
2. Leversets shall be Schlage Sparta or equivalent - provided as basis of design.

General Notes:

1. Exterior Aluminum Storefront System - Basis of Design: Tubelite T14000
   Finish: Champagne Anodized at New Entry Vestibule
   Dark Bronze at other new openings / punched openings to match existing.

2. Aluminum Interior Office Glazing / Borrowed Lites - Basis of Design: Tubelite E4500 - Clear Anodized Finish

3. Sliding Door System - Basis of Design: Dormakaba Muto L80 with wood doors.

4. Solid Core Veneer Wood Doors - Basis of Design: VT Industries or equivalent - 1-3/4"thick.
   See finish schedule on I401 for 'DF' door finishes.

5. Re-key all lock cores in existing doors to remain. Coordinate with Owner's Locksmith.

6. Paint all hollow metal door frames and doors. Repaint all existing hollow metal doors & frames to remain in area of work. See Exterior Elevations for exterior colors. Interior frames and doors - color to match adjacent wall unless noted otherwise.

7. Elevator E-2 - repaint lobby side door & frame on 1st & 2nd Floor. See Elevations.

8. Existing door hardware to remain on existing or salvaged doors where noted. Repair as needed to bring to good working order and to match function as shown on door schedule. Where a new Hardware set is noted, determine whether existing door hardware is able to meet capabilities of desired function, or if new hardware is required.

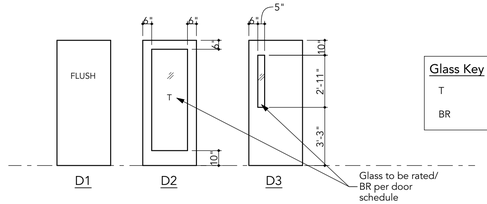
9. Bullet Resistant Assemblies shall meet requirements for Level 3 Bullet Resistance Per UL 752

DOOR SCHEDULE

ID	STATUS	DOOR W	DOOR H	DOOR MTRL	DOOR Type	DOOR Finish	FRAME MTRL	FRAME Type	FRAME HEAD	FRAME JAMB	FRAME THRESH	HDW	REMARKS
Main Level													
100	New	3'-0"	7'-0"	GL; SC WD	D2	DF-3	ALUM	F2	3/A403	4/A403	-	B	-
101	New	3'-0"	7'-0"	GL; SC WD	D2	DF-3	ALUM	F1	3/A403	4/A403	-	B	-
102	New	3'-0"	7'-0"	SC WD	D1	DF-3	HM	F1	1/A403	2/A403	-	D	-
103	New	9'-3"	9'-0"	-	-	-	-	-	-	-	-	-	Finished Opening
104	New	3'-0"	7'-0"	SC WD	D1	DF-2	HM	EXIST.	-	-	-	B	New door in exist frame
105	New	3'-0"	7'-0"	GL; SC WD	D2	DF-2	HM	EXIST.	-	-	-	B	New door in exist frame
106	New	3'-0"	7'-0"	GL; SC WD	D2	DF-2	ALUM	F4	3/A403	4/A403	-	B	
106B	New	5'-0"	6'-8"	SC WD	D1	DF-2	ALUM	F1	3/A403	4/A403	-	J	(2) 3'-0" doors
106C	New	5'-0"	6'-8"	SC WD	D1	DF-2	ALUM	F1	3/A403	4/A403	-	J	(2) 3'-0" doors
107	New	3'-0"	7'-0"	GL; SC WD	D2	DF-3	ALUM	F3	3/A403	4/A403	-	B	-
108	New	8'-4"	7'-2"	GL; SC WD	D2	DF-3	ALUM	F13	6/A403	-	6/A403	A	-
109	New	3'-0"	7'-0"	SC WD	D1	DF-3	HM	F1	1/A403	2/A403	-	J	-
110	New	3'-0"	7'-0"	GL; SC WD	D2	DF-3	ALUM	F2	3/A403	4/A403	-	B	-
112	New	3'-0"	7'-0"	GL; SC WD	D2	DF-3	ALUM	F2	3/A403	4/A403	-	B	-
113	New	3'-0"	7'-0"	GL; SC WD	D2	DF-3	HM	EXIST.	-	-	-	B	New door in exist frame
117A	New	8'-0"	8'-0"	-	-	-	-	-	-	-	-	-	Finished Opening
117B	New	6'-0"	8'-0"	-	-	-	-	-	-	-	-	-	Finished Opening
119	New	6'-0"	7'-0"	SC WD	D1	DF-3	ALUM	F1	3/A403	4/A403	-	J	(2) 3'-0" doors
123	New	4'-0"	7'-0"	-	-	-	-	-	-	-	-	-	Finished Opening
126	New	6'-0"	8'-0"	-	-	-	-	-	-	-	-	-	Finished Opening
128	New	6'-4"	7'-2"	GL; SC WD	D2	DF-3	ALUM	F16	6/A403	-	6/A403	A	-
131	New	8'-4"	7'-2"	GL; SC WD	D2	DF-3	ALUM	F13	6/A403	-	6/A403	A	-
132	New	8'-4"	7'-2"	GL; SC WD	D2	DF-3	ALUM	F13	6/A403	-	6/A403	A	-
133	New	8'-4"	7'-2"	GL; SC WD	D2	DF-3	ALUM	F13	6/A403	-	6/A403	A	-
134	New	8'-4"	7'-2"	GL; SC WD	D2	DF-3	ALUM	F13	6/A403	-	6/A403	A	-
135	New	7'-4"	7'-2"	GL; SC WD	D2	DF-3	ALUM	F15	6/A403	-	6/A403	A	-
136	New	7'-4"	7'-2"	GL; SC WD	D2	DF-3	ALUM	F15	6/A403	-	6/A403	A	-
137	New	3'-0"	7'-0"	GL; SC WD	D2	DF-3	ALUM	F1	3/A403	4/A403	-	B	-
140	New	3'-0"	7'-0"	GL; SC WD	D2	DF-3	ALUM	F2	3/A403	4/A403	-	B	-
141	New	3'-3"	7'-0"	GL; SC WD	D2	DF-3	ALUM	F17	5/A403	-	5/A403	A	-
142	New	3'-2"	7'-0"	GL; SC WD	D2	DF-3	ALUM	F17	5/A403	-	5/A403	A	-
145	New	3'-6"	7'-0"	-	-	-	-	-	-	-	-	-	Finished Opening
146	New	3'-0"	7'-0"	HM	D1		HM	F1	1/A403	2/A403	-	L	Bullet Resistant Door & Frame
147A	New	3'-0"	7'-0"	HM	D1		HM	F1	1/A403	2/A403	-	J	-
147B	New	3'-0"	7'-0"	HM	D1		HM	F1	1/A403	2/A403	-	J	-
149	New	3'-0"	7'-0"	GL; SC WD	D2	DF-3	ALUM	F11	3/A403	4/A403	-	B	-
150	New	3'-0"	7'-0"	GL; SC WD	D2	DF-3	ALUM	F11	3/A403	4/A403	-	B	-
151	New	3'-0"	7'-0"	SC WD	D1	DF-2	ALUM	F8	3/A403	4/A403	-	B	-
153	New	3'-0"	7'-0"	GL; SC WD	D2	DF-3	ALUM	F8	3/A403	4/A403	-	L	-
154	New	3'-0"	7'-0"	HM	D1		HM	F1	1/A403	2/A403	-	J	-
157	New	7'-4"	7'-2"	GL; SC WD	D2	DF-3	ALUM	F15	6/A403	-	6/A403	A	-
160	New	3'-0"	7'-0"	SC WD	D1	Reuse Exist.	HM	F1	1/A403	2/A403	-	G	Reuse Exist Door/Frame
163	New	3'-0"	7'-0"	SC WD	D1	DF-3	HM	F1	1/A403	2/A403	-	G	-
164	New	3'-0"	7'-0"	SC WD	D1	DF-3	HM	F1	1/A403	2/A403	-	G	-
165A	New	3'-0"	7'-0"	GL; SC WD	D2	DF-3	HM	F1	1/A403	2/A403	-	J	-
165B	New	3'-0"	7'-0"	SC WD	D1	DF-2	HM	F1	1/A403	2/A403	-	G	-
166	New	3'-0"	7'-0"	HM	D1		HM	F1	1/A403	2/A403	-	J	-
167	New	3'-0"	7'-0"	GL; SC WD	D2	DF-2	ALUM	F8	3/A403	4/A403	-	B	-
168	New	3'-0"	7'-0"	ALUM; GL	D2		ALUM	F7	3/A403	4/A403	-	G	Bullet Resist. Assembly & Glaz
169	New	3'-0"	7'-0"	GL; SC WD	D2	DF-2	ALUM	F4	3/A403	4/A403	-	B	-
170A	New	6'-0"	8'-0"	ALUM; GL	D2	Champ Anod	ALUM	X6	3/A306	1/A307	7/A301	E	(2) 3'-0" Doors
170B	New	3'-0"	8'-0"	ALUM; GL	D2	Champ Anod	ALUM	X6	3/A306	1/A307	7/A301	E	-
171A	New	6'-0"	8'-0"	ALUM; GL	D2	Champ Anod	ALUM	X10	3/A403	4/A403	-	F	(2) 3'-0" Doors
171B	New	3'-0"	8'-0"	ALUM; GL	D2	Champ Anod	ALUM	X10	3/A403	4/A403	-	F	-
176	New	3'-0"	7'-0"	GL; SC WD	D1	DF-2	HM	F9	1/A403	2/A403	-	B	-
177	New	3'-0"	7'-0"	SC WD	D2	DF-2	ALUM	F1	3/A403	4/A403	-	P	1 Hour Fire Rated
178	New	3'-6"	7'-0"	-	-	-	-	-	-	-	-	-	Cased Opening
179A	New	3'-0"	7'-0"	HM	D1		HM	F1	1/A403	2/A403	-	L	Bullet Resistant Door & Frame
179B	New	3'-0"	7'-0"	HM	D1		HM	F4	1/A403	2/A403	-	L	Bullet Resist. Assembly & Glaz
181	New	3'-0"	7'-0"	GL; SC WD	D2	DF-2	ALUM	F5	3/A403	4/A403	-	G	-
182A	New	3'-0"	7'-0"	GL; SC WD	D2	DF-2	ALUM	F6	3/A403	4/A403	-	B	-
182B	New	3'-0"	7'-0"	HM	D2		HM	F1	1/A403	2/A403	-	L	-
183	New	3'-0"	7'-0"	GL; SC WD	D2	DF-2	ALUM	F2	3/A403	4/A403	-	B	-
184	New	3'-0"	7'-0"	SC WD	D1	Reuse Exist.	HM	F1	1/A403	2/A403	-	B	Reuse Exist Door/Frame
185	New	3'-0"	7'-0"	GL; SC WD	D2	DF-2	ALUM	F4	3/A403	4/A403	-	G	-
186	New	3'-0"	7'-0"	GL; SC WD	D2	DF-2	ALUM	F4	3/A403	4/A403	-	B	-
187	New	3'-0"	7'-0"	GL; SC WD	D2	DF-2	ALUM	F4	3/A403	4/A403	-	B	-
188	New	3'-0"	7'-0"	SC WD	D1	DF-2	HM	F1	1/A403	2/A403	-	D	-
189	New	3'-0"	7'-0"	SC WD	D1	DF-2	HM	F1	1/A403	2/A403	-	D	-
190	New	3'-0"	7'-0"	SC WD	D1	DF-2	HM	F1	1/A403	2/A403	-	P	1 Hour Fire Rated
191A	New	6'-0"	7'-0"	ALUM; GL	D2	Dk Bronze	ALUM	X8	3/A403	4/A403	-	E	(2) 3'-0" Doors
191B	New	7'-0"	7'-0"	HM	D3		HM	F1	1/A403	2/A403	-	N	(2) 3'-6" Doors - 1 Hr Fire Rated
191C	New	3'-0"	7'-0"	SC WD	D3	DF-2	HM	F1	1/A403	2/A403	-	H	1 Hour Fire Rated
192	New	3'-0"	7'-0"	GL; SC WD	D2	DF-2	ALUM	F4	3/A403	4/A403	-	B	-
193	New	6'-0"	7'-0"	ALUM; GL	D2	Dk Bronze	ALUM	X8	10/A301	13/A301	7/A301	E	(2) 3'-0" Doors
194	New	3'-0"	7'-0"	GL; SC WD	D2	DF-2	ALUM	F4	3/A403	4/A403	-	B	-
195	New	3'-0"	7'-0"	ALUM; GL	D2	Dk Bronze	ALUM	X9	8/A302	11/A302	7/A301	C	-
197	New	5'-0"	7'-0"	-	-	-	-	-	-	-	-	-	Finished Opening
214	New	3'-0"	7'-0"	SC WD	D1	Reuse Exist.	ALUM	F1	3/A403	4/A403	-	J	Reuse Exist Door/Frame
215	New	3'-0"	7'-0"	SC WD	D1	DF-2	ALUM	F4	3/A403	4/A403	-	B	-
216	New	3'-0"	7'-0"	SC WD	D1	DF-2	ALUM	F4	3/A403	4/A403	-	B	-
218	New	3'-0"	7'-0"	SC WD	D1	DF-2	HM	F1	3/A403	4/A403	-	B	-
220	New	3'-0"	7'-0"	SC WD	D1	DF-2	ALUM	F8	3/A403	4/A403	-	J	-
255	New	3'-0"	7'-0"	SC WD	D1	DF-2	ALUM	F8	3/A403	4/A403	-	B	-
256	New	3'-0"	7'-0"	SC WD	D1	DF-2	HM	F8	1/A403	2/A403	-	B	-
257	New	3'-0"	7'-0"	SC WD	D1	DF-2	HM	F8	1/A403	2/A403	-	B	-
258A	New	3'-0"	7'-0"	SC WD	D1	DF-2	ALUM	F9	3/A403	4/A403	-	B	-
258B	New	3'-0"	7'-0"	SC WD	D1	DF-2	ALUM	F2	3/A403	4/A403	-	B	-
259	New	3'-0"	7'-0"	SC WD	D1	DF-2	ALUM	F11	3/A403	4/A403	-	B	-
260	New	3'-0"	7'-0"	GL; SC WD	D2	DF-2	HM	F1	1/A403	2/A403	-	J	-
261	New	3'-0"	7'-0"	GL; SC WD	D2	DF-2	ALUM	F10	3/A403	4/A403	-	J	-

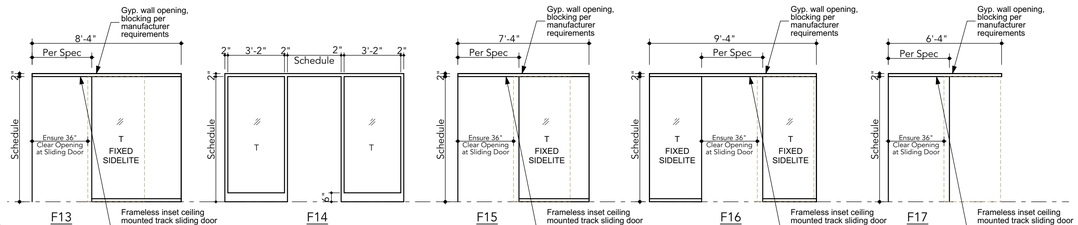
DOOR SCHEDULE

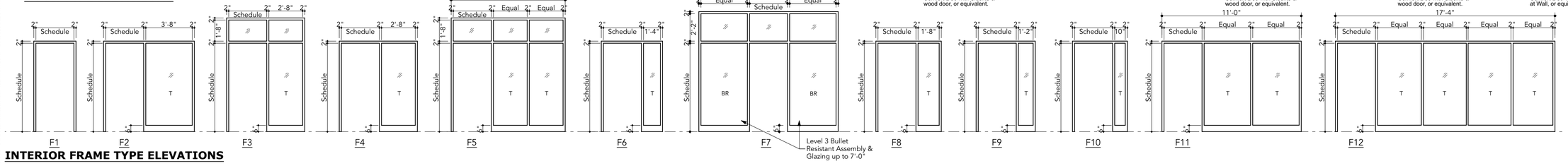
ID	STATUS	DOOR W	DOOR H	DOOR MTRL	DOOR Type	DOOR Finish	FRAME MTRL	FRAME Type	FRAME HEAD	FRAME JAMB	FRAME THRESH	HDW	REMARKS
Main Level													
E103	Existing	3'-0"	7'-0"	HM	D1		HM	F1	-	-	-	C	-
E120	Existing	3'-0"	7'-0"	SC WD	-		-	-	-	-	-	Exist	-
E121	Existing	3'-0"	7'-0"	SC WD	-		-	-	-	-	-	Exist	-
E122	Existing	3'-0"	7'-0"	SC WD	-		-	-	-	-	-	Exist	-
E124	Existing	3'-0"	7'-0"	SC WD	-		-	-	-	-	-	Exist	-
E125	Existing	3'-0"	7'-0"	SC WD	-		-	-	-	-	-	Exist	-
E126	Existing	3'-0"	7'-0"	HM	-		-	-	-	-	-	C	-
E130	Existing	3'-0"	7'-0"	SC WD	-		-	-	-	-	-	Exist	-
E143	Existing	3'-0"	7'-0"	SC WD	D1	DF-1	-	-	-	-	-	Exist	-
E143B	Existing	3'-0"	7'-0"	SC WD	-		-	-	-	-	-	Exist	-
E158	Existing	3'-0"	7'-0"	SC WD	-		-	-	-	-	-	Exist	-
E159	Existing	3'-0"	7'-0"	SC WD	-		-	-	-	-	-	Exist	-
E161	Existing	3'-0"	7'-0"	HM	-		-	-	-	-	-	C	-
E173	Existing	3'-0"	7'-0"	SC WD	D1	DF-1	-	-	-	-	-	Exist	-
E174	Existing	3'-0"	7'-0"	SC WD	D1	DF-1	-	-	-	-	-	Exist	-
E175	Existing	3'-0"	7'-0"	SC WD	D1	DF-1	-	-	-	-	-	Exist	-
E217	Existing	3'-0"	7'-0"	SC WD	-		-	-	-	-	-	Exist	-
E221	Existing	6'-0"	7'-0"	SC WD	-		-	-	-	-	-	H	-
E251	Existing	3'-0"	7'-0"	SC WD	-		-	-	-	-	-	Exist	-
E252	Existing	3'-0"	7'-0"	SC WD	-		-	-	-	-	-	Exist	-
E253	Existing	3'-0"	7'-0"	SC WD	-		-	-	-	-	-	Exist	-
E254	Existing	3'-0"	7'-0"	SC WD	-		-	-	-	-	-	Exist	-
E264	Existing	6'-0"	7'-0"	SC WD	-		-	-	-	-	-	Exist	(2) 3'-0" Doors
E267	Existing	3'-0"	7'-0"	ALUM; GL	-		ALUM	-	-	-	-	C	-
E267A	Existing	3'-0"	7'-0"	ALUM; GL	-		ALUM	-	-	-	-	F	-
ES1A	Existing	3'-0"	7'-0"	HM	-		HM	-	-	-	-	C	-
ES1B	Existing	3'-0"	7'-0"	SC WD	-		-	-	-	-	-	H	1 Hour Fire Rated
ES5B	Existing	3'-0"	7'-0"	-	-		-	-	-	-	-	Exist	1 Hour Fire Rated
S2A	New	11'-10 1/2"	13'-1 1/4"	-	-	Clear Anod	-	-	-	-	-	Q	Overhead Security Grille
S2B	New	3'-0"	7'-0"	SC WD	D1	DF-2	HM	F1	-	-	-	G	-
S5A	New	3'-0"	7'-0"	HM	D1		HM	F1	-	-	-	H	1 Hour Fire Rated
Upper Level													
302	New	3'-0"	7'-0"	SC WD	D1	Reuse Exist.	HM	F1	1/A403	2/A403	-	L	Reuse Exist Door/Frame
303	New	3'-0"	7'-0"	GL; SC WD	D2	DF-3	HM	F1	1/A403	2/A403	-	B	Reuse Exist Door/Frame
306	New	3'-0"	7'-0"	SC WD	D1	Reuse Exist.	HM	F1	1/A403	2/A403	-	B	Reuse Exist Door/Frame
310	New	3'-0"	7'-0"	SC WD	D1	Reuse Exist.	HM	F1	1/A403	2/A403	-	D	Reuse Exist Door/Frame
314	New	6'-0"	7'-0"	SC WD	D1	Reuse Exist.	EXIST.	EXIST.	-	-	-	J	Salvaged door in exist frame, (2) 3'-0" Doors
318	New	3'-0"	7'-0"	SC WD	D1	DF-2	HM	F1	1/A403	2/A403	-	L	-
324	New	3'-0"	7'-0"	SC WD	D1	DF-2	HM	F1	1/A403	2/A403	-	G	Connect Exit Device to Alarm
325	New	3'-0"	7'-0"	SC WD	D1	Reuse Exist.	EXIST.	EXIST.	-	-	-	B	Salvaged door in exist frame
329	New	3'-0"	7'-0"	SC WD	D1	Reuse Exist.	HM	F1	1/A403	2/A403	-	J	Reuse Exist Door/Frame
332	New	3'-0"	7'-0"	-	-	-	-	-	-	-	-	-	Finished Opening
333	New	3'-0"	7'-0"	SC WD	D1	Reuse Exist.	EXIST.	EXIST.	-	-	-	B	Salvaged door in exist frame
336A	New	6'-0"	7'-0"	ALUM; GL	D2	DF-2	ALUM	F14	3/A403	4/A403	-	H	-
336B	New	3'-0"	7'-0"	ALUM; GL	D2	DF-2	ALUM	F12	3/A403	4/A403	-	H	-
336C	New	3'-0"	7'-0"	ALUM; GL	D2	DF-2	ALUM	F12	3/A403	4/A403	-	H	-
337	New	3'-0"	7'-0"	HM	D1		HM	F1	1/A403	2/A403	-	J	-
338	New	3'-0"	7'-0"	HM	D1		HM	F1	1/A403	2/A403	-	J	-
339A	New	3'-0"	7'-0"	SC WD	D1	Reuse Exist.	HM	-	-	-	-	L	Flip existing door and frame
339B	New	3'-0"	7'-0"	SC WD	D1	DF-1	HM	-	-	-	-	L	Flip existing door and frame
341	New	6'-0"	7'-0"	HM	D1		HM	F1	1/A403	2/A403	-	J	Salvaged door in exist frame, (2) 3'-0" doors
347A	New	6'-0"	7'-0"	SC WD	D1	Reuse Exist.	HM	F1	1/A403	2/A403	-	L	(2) 3'-0" doors
E301	Existing	6'-0"	7'-0"	SC WD	-	-	-	-	-	-	-	Exist.	(2) 3'-0" doors
E302A	Existing	3'-0"	7'-0"	SC WD	-	-	HM	-	-	-	-	L	-
E303A	New	6'-0"	7'-0"	SC WD	D1	DF-1	-	-	-	-	-	G	Salvage & Relocate Bi-Direction Egress Door & Frame - (2) 3'-0"
E304	Existing	3'-0"	7'-0"	SC WD	-	-	-	-	-	-	-	Exist.	-
E305	Existing	3'-0"	7'-0"	SC WD	-		-	-	-	-	-	Exist.	-
E308	Existing	3'-0"	7'-0"	SC WD	-	-	-	-	-	-	-	Exist.	-
E309	Existing	3'-0"	7'-0"	SC WD	-	-	-	-	-	-	-	D	-
E311	Existing	3'-0"	7'-0"	SC WD	-	-	-	-	-	-	-	Exist.	-
E316	Existing	3'-0"	7'-0"	SC WD	-	-	-	-	-	-	-	Exist.	-
E317	Existing	3'-0"	7'-0"	SC WD	-		-	-	-	-	-	Exist.	-
E319	Existing	3'-0"	7'-0"	SC WD	-	-	-	-	-	-	-	Exist.	-
E321	Existing	3'-0"	7'-0"	SC WD	-		-	-	-	-	-	Exist.	-
E322	Existing	3'-0"	7'-0"	SC WD	D1	DF-1	-	-	-	-	-	Exist.	-
E323	Existing	6'-0"	7'-0"	SC WD	-	-	-	-	-	-	-	G	Bi-Directional Egress Door
E324A	Existing	3'-0"	7'-0"	-	-	-	-	-	-	-	-	-	Remove door from exist. frame
E326	Existing	3'-0"	7'-0"	SC WD	-	-	-	-	-	-	-	Exist.	-
E327	Existing	3'-0"	7'-0"	SC WD	-	-	-	-	-	-	-	Exist.	-
E328	Existing	3'-0"	7'-0"	SC WD	-	-	-	-	-	-	-	Exist.	-
E331	Existing	3'-0"	7'-0"	SC WD	-	-	-	-	-	-	-	Exist.	-
E332A	Existing	3'-0"	7'-0"	SC WD	D1	DF-1	-	-	-	-	-	G	Connect Exit Device to Alarm
E334	Existing	3'-0"	7'-0"	SC WD	-	-	-	-	-	-	-	Exist.	-
E334A	Existing	3'-0"	7'-0"	SC WD	-	-	-	-	-	-	-	Exist.	-
E335	Existing	3'-0"	7'-0"	SC WD	-	-	-	-	-	-	-	G	Connect Exit Device to Alarm
E335A	Existing	3'-0"	7'-0"	SC WD	D1	DF-1	-	-	-	-	-	Exist.	-
E336F	Existing	3'-0"	7'-0"	SC WD	D1	DF-1	-	-	-	-	-	G	Connect Exit Device to Alarm
E344	Existing	6'-0"	7'-0"	SC WD	-	-	-	-	-	-	-	Exist.	(2) 3'-0" Doors
E346	Existing	3'-0"	7'-0"	SC WD	-	-	-	-	-	-	-	Exist.	-
E347B	Existing	3'-0"	7'-0"	SC WD	-	-	-	-	-	-	-	L	-
E347C	Existing	3'-0"	7'-0"	SC WD	-		-	-	-	-	-	L	-
E363	Existing	3'-0"	7'-0"	SC WD	-	-	-	-	-	-	-	Exist.	-
E364	Existing	3'-0"	7'-0"	SC WD	-	-	-	-	-	-	-	G	-
E365	Existing	3'-0"	7'-0"	SC WD	-	-	-	-	-	-	-	G	-
E366	Existing	6'-0"	7'-0"	SC WD	-	-	-	-	-	-	-	Exist.	(2) 3'-0" Doors
E368	Existing	3'-0"	7'-0"	SC WD	D1	DF-1	-	-	-	-	-	Exist.	-
E369	Existing	3'-0"	7'-0"	SC WD	D1	DF-1	-	-	-	-	-	Exist.	-
E371	Existing	3'-0"	7'-0"	SC WD	-		-	-	-	-	-	Exist.	-
ES1C	Existing	3'-0"	7'-0"	SC WD	-		-	-	-	-	-	H	1 Hour Fire Rated



Glass Key	
T	Tempered
BR	Bullet Resistant Level 3

DOOR TYPE ELEVATIONS





INTERIOR FRAME TYPE ELEVATIONS

9/8/25 - BIMcloud: Intersect AC27 Teamwork Server - BIMcloud Basic for Archicad 27\23046 Kzoo Crosstown\23046 Kzoo Crosstown Facility

Intersect

City of Kalamazoo - Crosstown Facility
CPED & KDPS Workplace Renovation
150 E Crosstown Parkway Kalamazoo MI 49001

NOT FOR REGULATORY APPROVAL, PERMITTING, OR CONSTRUCTION

Bid Set	08/21/2025
Site Plan Review	07/31/2025
DD Set	07/03/2025

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Project Number: 23-046

Door Schedule & Details

A401

General Notes:

1. Exterior Aluminum Storefront System - Basis of Design: Tubelite T14000
   Finish: Champagne Anodized at New Entry Vestibule
   Dark Bronze at other new openings / punched openings to match existing.

2. Aluminum Interior Office Glazing / Borrowed Lites - Basis of Design: Tubelite E4500 - Clear Anodized Finish

3. Sliding Door System - Basis of Design: Dormakaba Muto Comfort L80

4. Solid Core Veneer Wood Doors - Basis of Design: VT Industries or equivalent - 1-3/4"thick.

5. Re-key all lock cores in existing doors to remain. Coordinate with Owner's Locksmith.

6. Paint all hollow metal door frames and doors. Repaint all existing hollow metal doors & frames to remain in area of work. See Exterior Elevations for exterior colors. Interior frames and doors - color to match adjacent wall unless noted otherwise.

7. Elevator E-2 - repaint lobby side door & frame, PT-X.

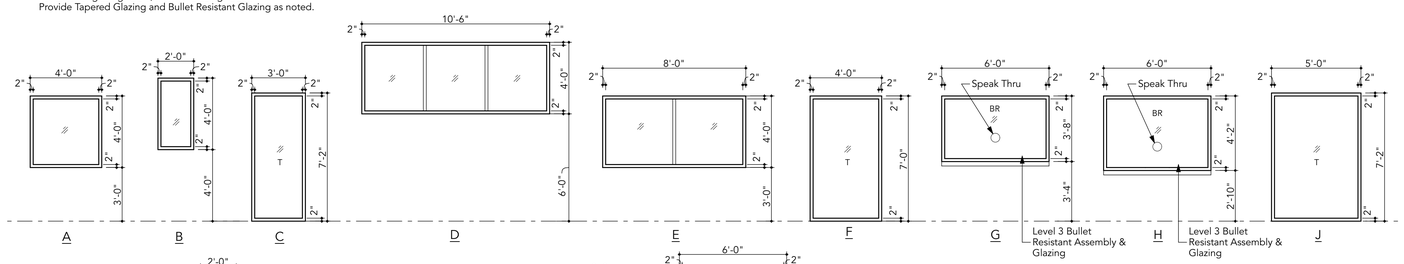
8. Repair or replace hardware on existing or salvaged doors as needed to bring to good working order and to match function as shown on door schedule.

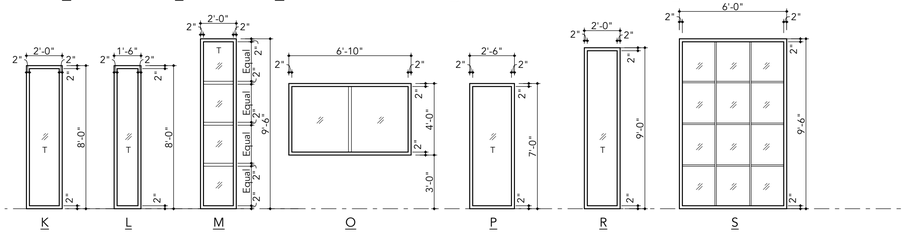
9. Bullet Resistant Assemblies shall meet requirements for Level 3 Bullet Resistance. See specifications.

10. Exterior glazing: GL-1; Interior Glazing: GL-2.
Provide Tapered Glazing and Bullet Resistant Glazing as noted.

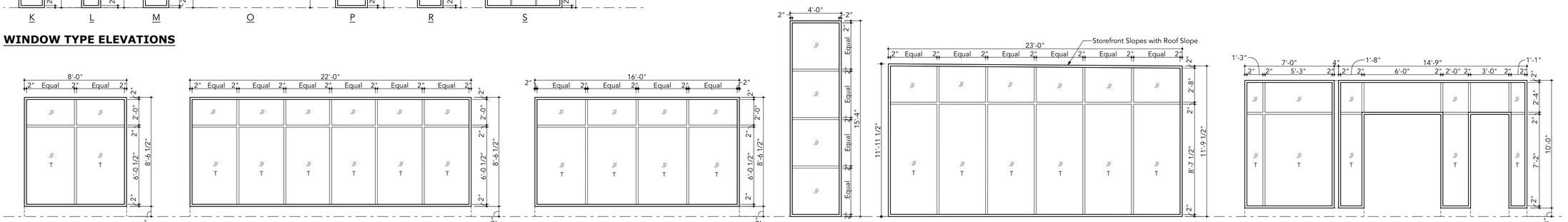
WINDOW SCHEDULE

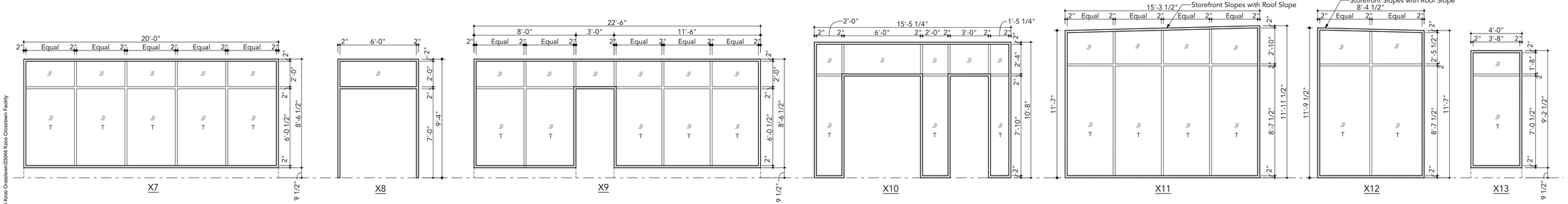
	UNIT		HEIGHT		FRAME		DETAIL			NOTE
	ID	SIZE	HEAD	SILL	MTRL	TYPE	HEAD	JAMB	SILL	
Main Level										
	A	4'-0"×4'-0"	7'-0"	3'-0"	ALUM	Fixed	-	-	-	
	B	1'-6"×4'-0"	8'-0"	4'-0"	ALUM	Fixed	8/A403	9/A403	7/A403	
	C	3'-0"×7'-2"	7'-2"	0"	ALUM	Fixed	8/A403	9/A403	7/A403	
	D	10'-6"×4'-0"	10'-0"	6'-0"	ALUM	Fixed	8/A403	9/A403	7/A403	
	E	8'-0"×4'-0"	7'-0"	3'-0"	ALUM	Fixed	-	-	-	
	F	4'-0"×7'-0"	7'-0"	0"	ALUM	Fixed	8/A403	9/A403	7/A403	
	G	6'-0"×3'-8"	7'-0"	3'-4"	HM	Fixed	11/A403	12/A403	10/A403	Bullet Resistant Assembly & Glazing - Level 3
	H	6'-0"×4'-2"	7'-0"	2'-10"	HM	Fixed	11/A403	12/A403	10/A403	Bullet Resistant Assembly & Glazing - Level 3
	J	5'-0"×7'-2"	7'-2"	0"	ALUM	Fixed	8/A403	9/A403	7/A403	
	K	2'-0"×8'-0"	8'-0"	0"	ALUM	Fixed	8/A403	9/A403	7/A403	
	L	1'-6"×8'-0"	8'-0"	0"	ALUM	Fixed	8/A403	9/A403	7/A403	
	M	2'-0"×9'-6"	9'-6"	0"	ALUM	Fixed	8/A403	9/A403	7/A403	
	O	6'-10"×4'-0"	7'-0"	3'-0"	ALUM	Fixed	8/A403	9/A403	7/A403	
	P	2'-6"×7'-0"	7'-0"	0"	ALUM	Fixed	8/A403	9/A403	7/A403	
	R	2'-0"×9'-0"	9'-0"	0"	ALUM	Fixed	8/A403	9/A403	7/A403	
	S	6'-0"×9'-6"	9'-6"	0"	ALUM	Fixed	8/A403	9/A403	7/A403	
Upper Level										
	E	8'-0"×4'-0"	7'-0"	3'-0"	ALUM	Fixed	8/A403	9/A403	7/A403	

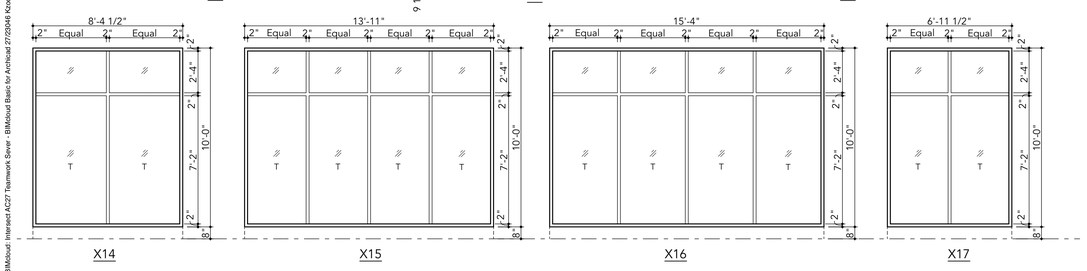




WINDOW TYPE ELEVATIONS







EXTERIOR STOREFRONT ELEVATIONS

9/8/25 - BIM/cloud: Intersect AC27 Teamwork Server - BIM/cloud Basic for Archicad 27/2046 Kzoo Crosstown/2046 Kzoo Crosstown Facility

Intersect

City of Kalamazoo - Crosstown Facility
CPED & KDPS Workplace Renovation
150 E Crosstown Parkway Kalamazoo MI 49001

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Bid Set	08/21/2025
Site Plan Review	07/31/2025
DD Set	07/03/2025

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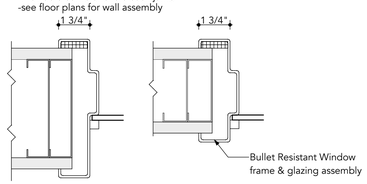
Project Number: 23-046

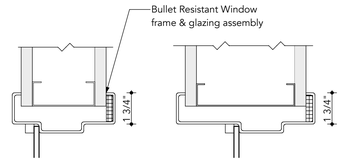
Window Schedule & Details

A402

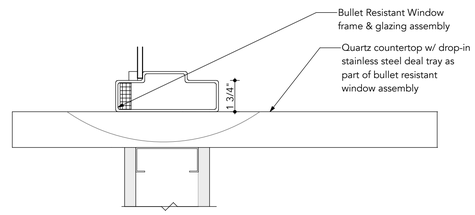
NOTE: See Floor Plans sheets for specific wall assembly information



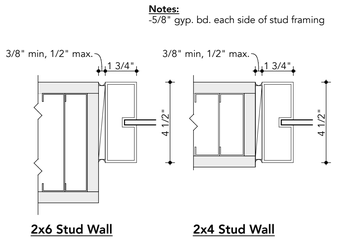
12 A403 **Typical HM Window Jamb Interior**
SCALE: 3" = 1'-0"



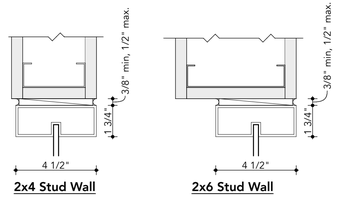
11 A403 **Typical HM Window Head Interior**
SCALE: 3" = 1'-0"



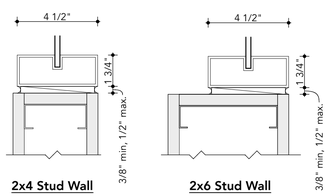
10 A403 **Typical HM Window Sill Interior**
SCALE: 3" = 1'-0"



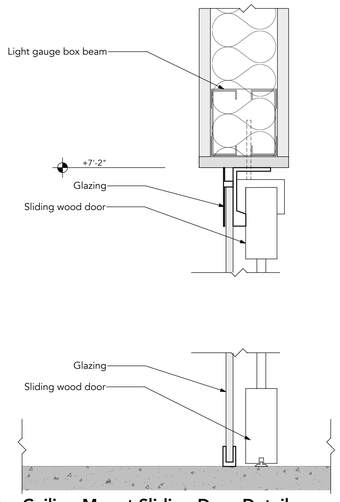
9 A403 **Typical Aluminum Window Jamb Interior**
SCALE: 3" = 1'-0"



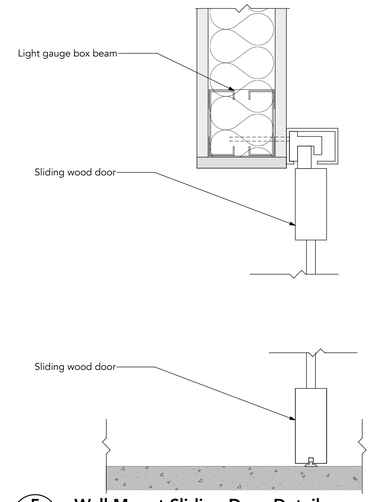
8 A403 **Typical Aluminum Window Head Interior**
SCALE: 3" = 1'-0"



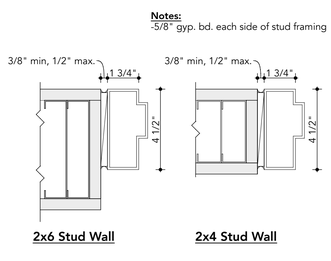
7 A403 **Typical Aluminum Window Sill Interior**
SCALE: 3" = 1'-0"



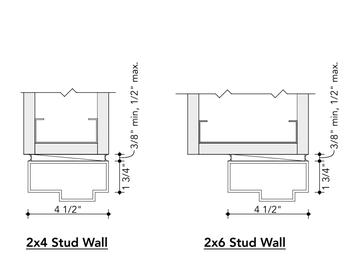
6 A403 **Ceiling Mount Sliding Door Detail**
SCALE: 3" = 1'-0"



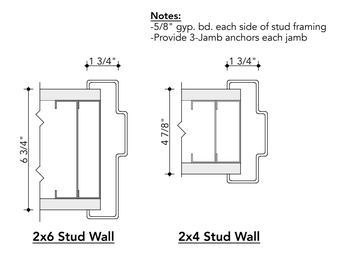
5 A403 **Wall Mount Sliding Door Detail**
SCALE: 3" = 1'-0"



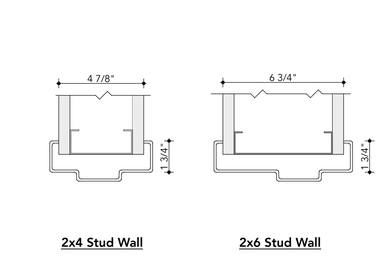
4 A403 **Typical Aluminum Frame Jamb Interior**
SCALE: 3" = 1'-0"



3 A403 **Typical Aluminum Frame Head Interior**
SCALE: 3" = 1'-0"



2 A403 **Typical HM Frame Jamb Interior**
SCALE: 3" = 1'-0"



1 A403 **Typical HM Frame Head Interior**
SCALE: 3" = 1'-0"

intersect

City of Kalamazoo - Crosstown Facility
CPED & KDPS Workplace Renovation
150 E Crosstown Parkway Kalamazoo MI 49001

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Site Plan Review	07/31/2025
DD Set	07/03/2025

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Project Number: 23-046

Door and Window Details

A403

9/8/25 - BIMcloud: Intersect AC27 Teamwork Sever - BIMcloud Basic for Archicad 27/23046 Kzoo Crosstown/23046 Kzoo Crosstown Facility

Finish Plan Notes

1. Paint to be applied to gyp. Bd. Surfaces only, unless otherwise noted.
2. Gyp. bd. walls to be painted field color (PT-1), unless otherwise noted.
3. Rubber wall base (RB-1) to be used on all gyp. bd. walls, unless otherwise noted.
4. CPED Field carpet tile (CPT-3) to be used in this area of the plan unless otherwise noted
5. See finish specifications schedule on sheet I401 and room schedule for additional notes and finish locations.

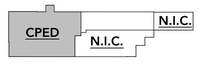
Finish Plan Keynotes

01 QZ-1 Sill

02 New melamine (LAM-8) sill w/ 2 1/2" high wood trim (WD-10) at wall face

03 Existing PLAM sill- prep and paint PT-1

1 / I101 **Finish Main Level Plan**
SCALE: 1/8" = 1'-0"



Key Plan - CPED

City of Kalamazoo - Crosstown Facility

CPED & KDPS Workplace Renovation

150 E Crosstown Parkway Kalamazoo MI 49001

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Site Plan Review	07/31/2025
DD Set	07/03/2025

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Project Number: 23-046

Finish Main Level Plan CPED

I101

9/8/25 - BIMcloud: Intersect AC27 Teamwork Saver - BIMcloud Basic for Archicad 27/23046 Kzoo Crosstown/23046 Kzoo Crosstown Facility

Finish Plan Notes

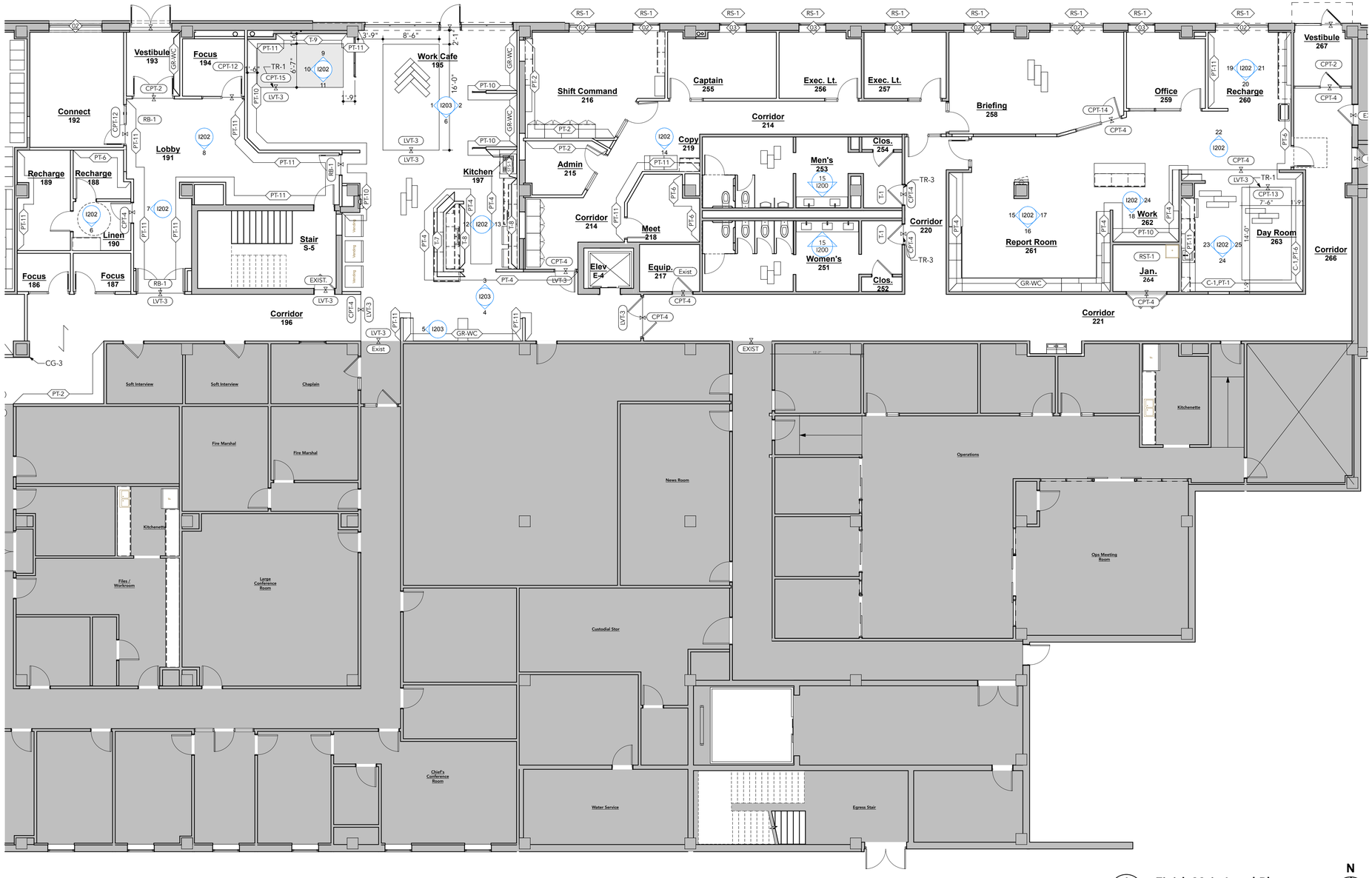
1. Paint to be applied to gyp. Bd. Surfaces only, unless otherwise noted.
2. Gyp. bd. walls to be painted field color (PT-1), unless otherwise noted.
3. Rubber wall base (RB-1) to be used on all gyp. bd. walls, unless otherwise noted.
4. CPED Field carpet tile (CPT-3) to be used in this area of the plan unless otherwise noted
5. See finish specifications schedule on sheet I401 and room schedule for additional notes and finish locations.

Finish Plan Keynotes

01 QZ-1 Sill

02 New melamine (LAM-8) sill w/ 2 1/2" high wood trim (WD-10) at wall face

03 Existing PLAM sill- prep and paint PT-1



1 / I102 **Finish Main Level Plan**
SCALE: 1/8" = 1'-0"

N

KDPS N.I.C. N.I.C.

Key Plan - KDPS

intersect

City of Kalamazoo - Crosstown Facility
CPED & KDPS Workplace Renovation
150 E Crosstown Parkway Kalamazoo MI 49001

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Project Number: 23-046

Finish Main Level Plan KDPS

I102

9/8/25 - BIMcloud: Intersect AC27 Teamwork Sever - BIMcloud Basic for Archicad 27/23046 Kzoo Crosstown/23046 Kzoo Crosstown Facility

Finish Plan Notes

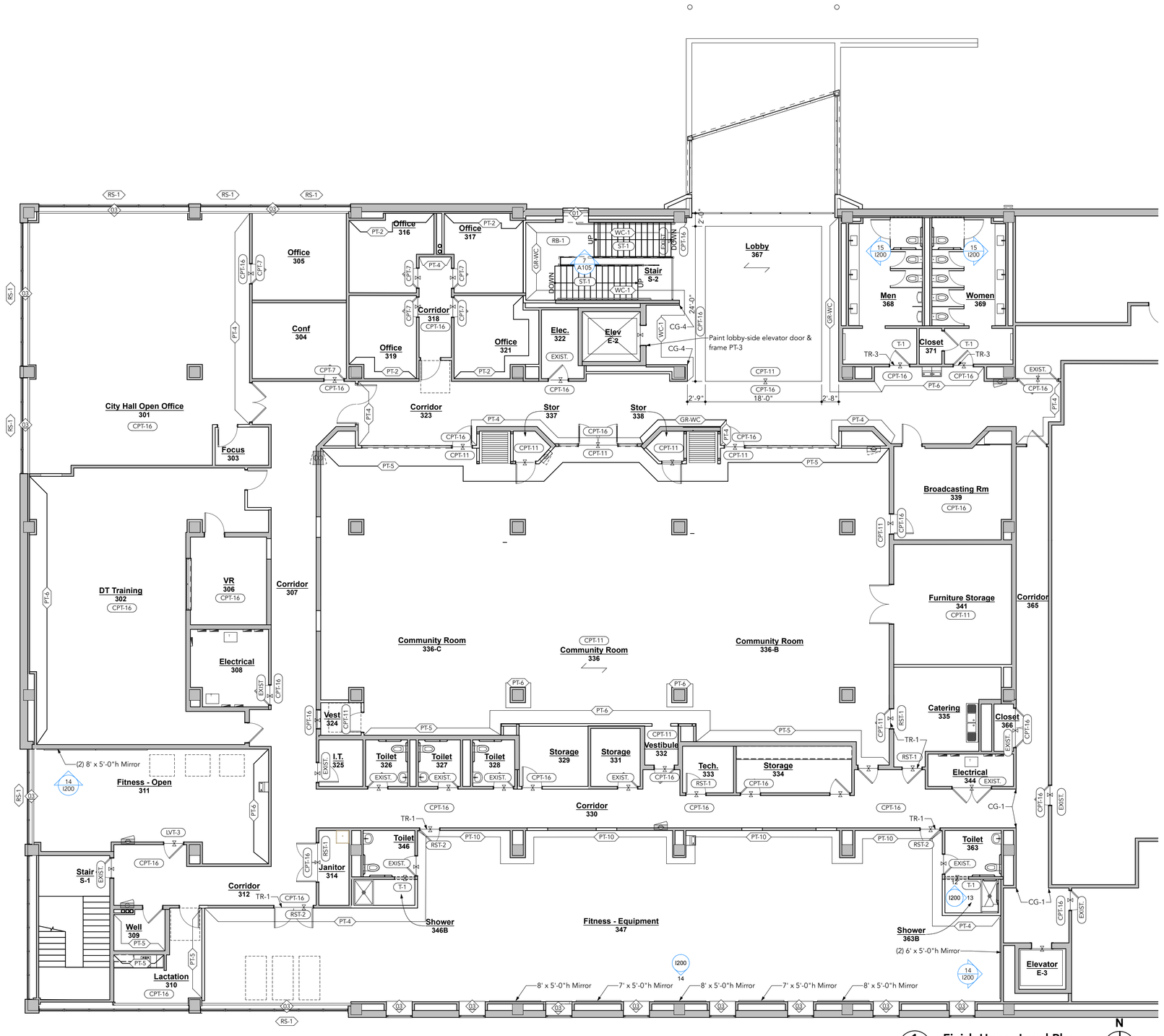
1. Paint to be applied to gyp. Bd. Surfaces only, unless otherwise noted.
2. Gyp. bd. walls to be painted field color (PT-1), unless otherwise noted.
3. Rubber wall base (RB-1) to be used on all gyp. bd. walls, unless otherwise noted.
4. CPED Field carpet tile (CPT-3) to be used in this area of the plan unless otherwise noted
5. See finish specifications schedule on sheet I401 and room schedule for additional notes and finish locations.

Finish Plan Keynotes

01 QZ-1 Sill

02 New melamine (LAM-8) sill w/ 2 1/2" high wood trim (WD-10) at wall face

03 Existing PLAM sill- prep and paint PT-1



1 / I103 **Finish Upper Level Plan**
SCALE: 1/8" = 1'-0"

N

CPED N.I.C. N.I.C.

Key Plan - CPED

intersect

City of Kalamazoo - Crosstown Facility
CPED & KDPS Workplace Renovation
150 E Crosstown Parkway Kalamazoo MI 49001

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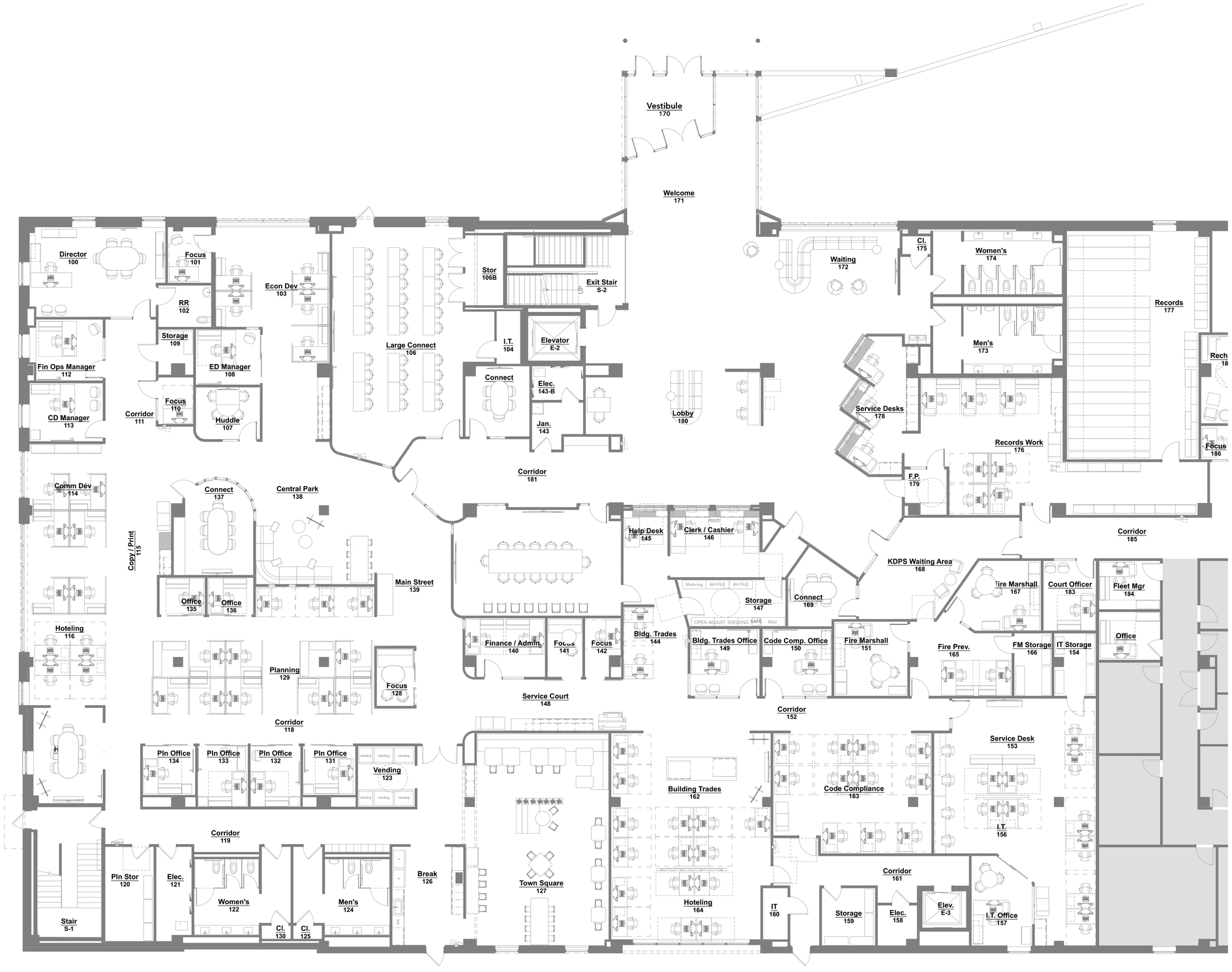
Finish Upper Level Plan CPED

I103

9/8/25 - BIMcloud: Intersect AC27 Teamwork Sever - BIMcloud Basic for Archicad 27/23046 Kzoo Crosstown/23046 Kzoo Crosstown Facility

Furniture Plan Notes

1. Furniture Plans are schematic and for reference only.



CPED N.I.C. N.I.C.

Key Plan - CPED

1 I104 **Furniture Main Level Plan**

SCALE: 1/8" = 1'-0"

N

intersect

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150 E Crosstown Parkway Kalamazoo MI 49001

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Project Number: 23-046

Furniture Main Level Plan CPED

I104

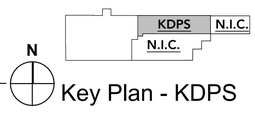
9/8/25 - BIMcloud: Intersect AC27 Teamwork Server - BIMcloud Basic for Archicad 27/23046 Kzoo Crosstown/23046 Kzoo Crosstown Facility

Furniture Plan Notes

1. Furniture Plans are schematic and for reference only.

2 / I105 **Furniture Main Level Plan**

SCALE: 1/8" = 1'-0"



Key Plan - KDPS

City of Kalamazoo - Crosstown Facility

CPED & KDPS Workplace Renovation

150 E Crosstown Parkway Kalamazoo MI 49001

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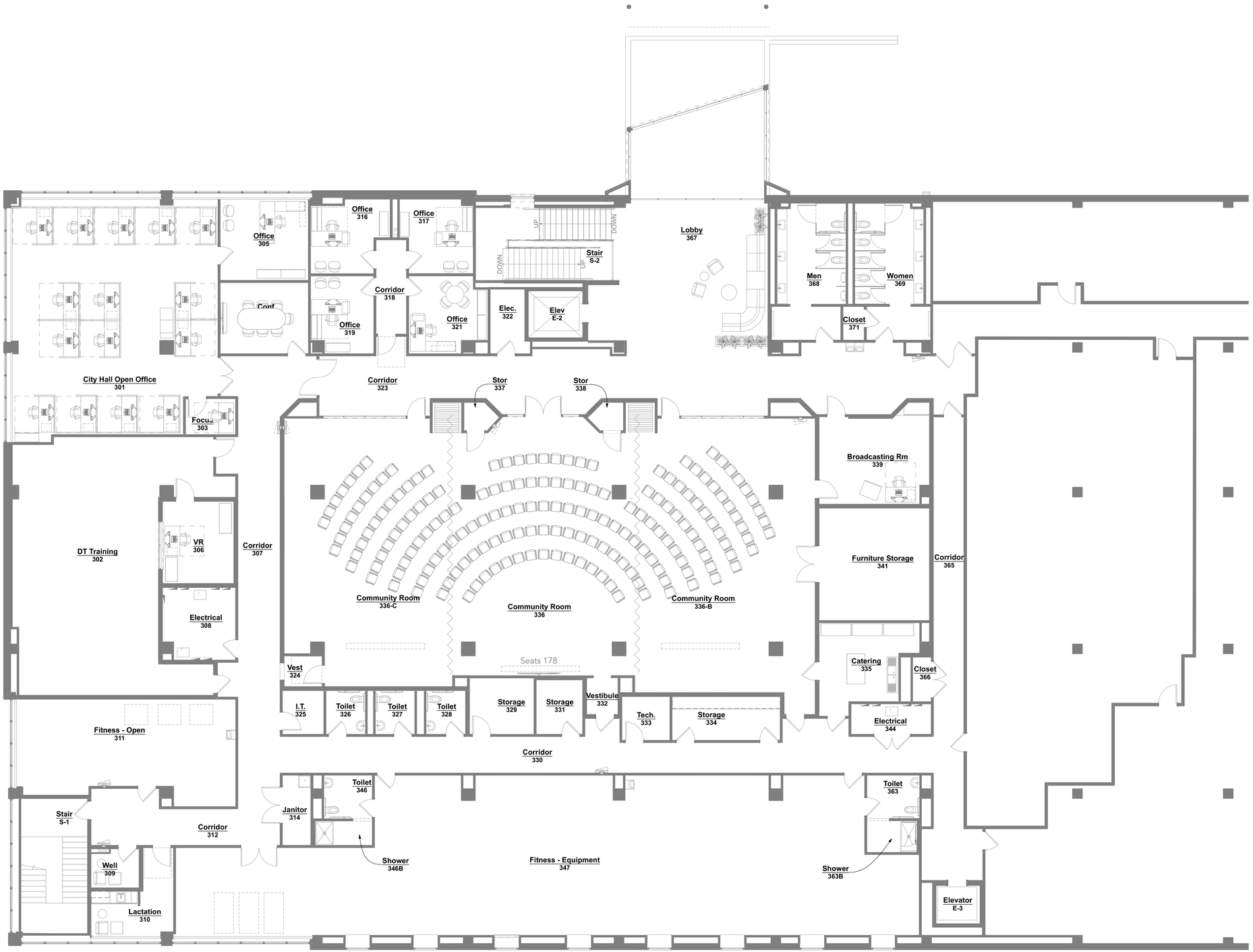
Furniture Main Level Plan KDPS

I105

9/8/25 - BIMcloud: Intersect Act27 Teamwork Server - BIMcloud Basic for Archicad 27\23046 Kzoo Crosstown\23046 Kzoo Crosstown Facility

Furniture Plan Notes

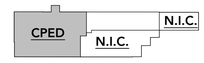
1. Furniture Plans are schematic and for reference only.



1 / I106 **Furniture Upper Level Plan**

SCALE: 1/8" = 1'-0"

N



Key Plan - CPED

intersect

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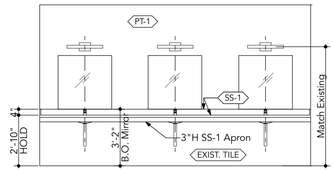
Furniture Upper Level Plan CPED

I106

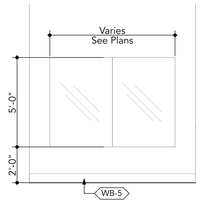
9/8/25 BIM360://: Intersect AC27 Teamwork Saver - BIM360.rvt Basic for Architect 27/23046 Kzoo Crosstown/23046 Kzoo Crosstown Facility

Interior Elevation Notes

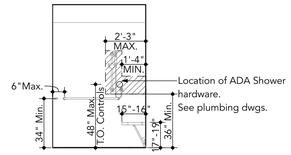
1. See sheet I401 for finish specifications.
2. All salvaged and relocated cabinetry to receive DP-1, coordinate size with existing hardware center to center dimension.
3. All new casework to receive DP-2 unless otherwise noted.
4. Appliances by owner, installed by contractor, typ.



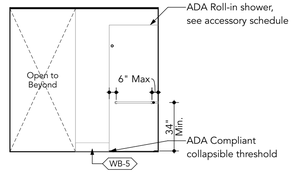
15 I200 **Multi-User Toilet Room Sinks, Typ.**
SCALE: 1/4" = 1'-0"



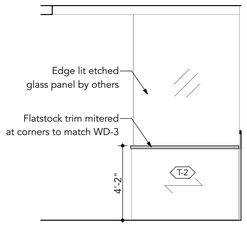
14 I200 **Fitness Mirror Elevation, Typ.**
SCALE: 1/4" = 1'-0"



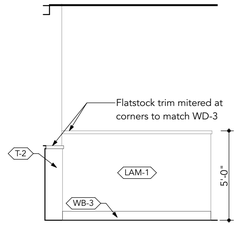
13 I200 **ADA Shower 363 East**
SCALE: 1/4" = 1'-0"



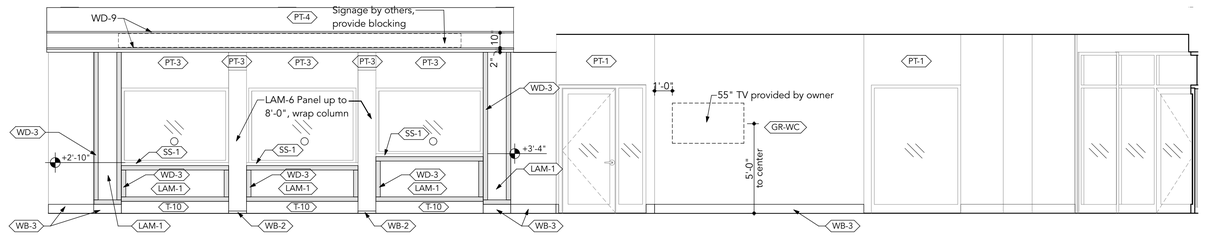
12 I200 **ADA Shower 363 North**
SCALE: 1/4" = 1'-0"



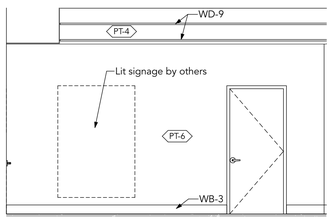
11 I200 **Waiting 180 North**
SCALE: 1/4" = 1'-0"



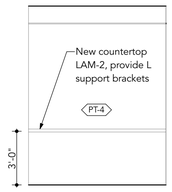
10 I200 **Waiting 180 East**
SCALE: 1/4" = 1'-0"



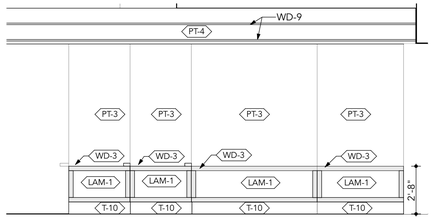
9 I200 **Waiting 180 South**
SCALE: 1/4" = 1'-0"



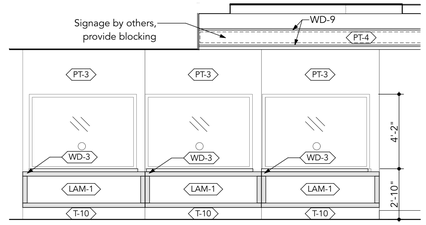
8 I200 **Clerk / Cashier Looking Southwest**
SCALE: 1/4" = 1'-0"



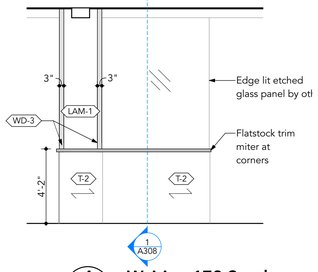
7 I200 **Corridor 181 North**
SCALE: 1/4" = 1'-0"



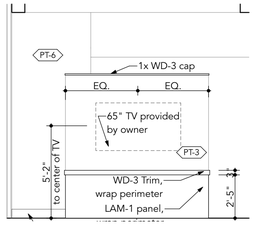
6 I200 **Waiting 172 Northeast**
SCALE: 1/4" = 1'-0"



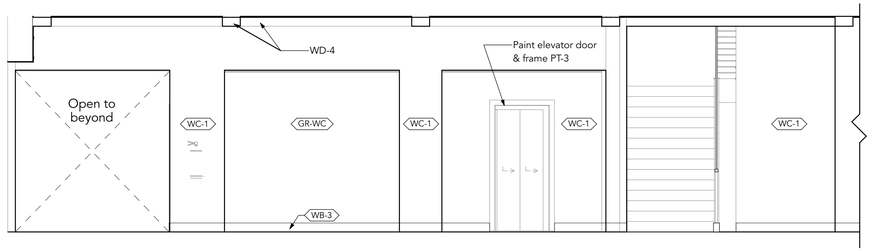
5 I200 **Waiting 172 Southeast**
SCALE: 1/4" = 1'-0"



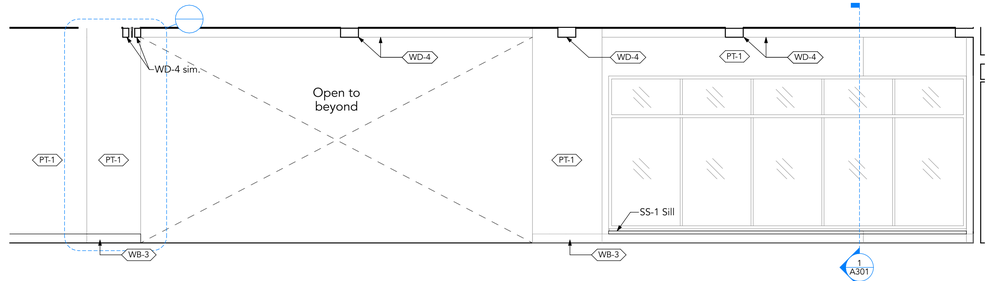
4 I200 **Waiting 172 South**
SCALE: 1/4" = 1'-0"



3 I200 **Waiting 172 East**
SCALE: 1/4" = 1'-0"



2 I200 **Welcome 171 West**
SCALE: 1/4" = 1'-0"



1 I200 **Welcome 171 North**
SCALE: 1/4" = 1'-0"

9/8/25 - BIM/cloud: Intersect ACD7 Teamwork Server - BIM/cloud Basic for Archicad 27/20046 Kzoo Crosstown/20046 Kzoo Crosstown Facility

intersect

City of Kalamazoo - Crosstown Facility
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Bid Set	08/21/2025
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DD Set	07/03/2025

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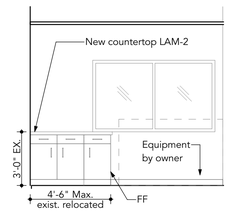
Project Number: 23-046

Interior Elevations

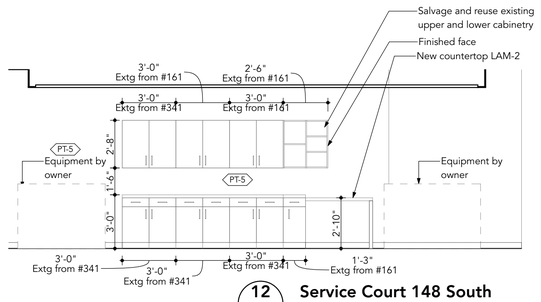
I200

Interior Elevation Notes

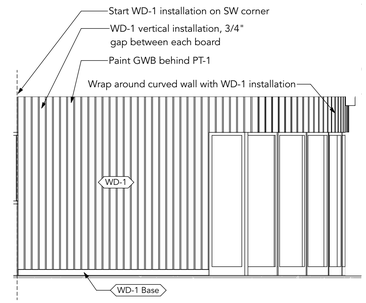
1. See sheet I401 for finish specifications.
2. All salvaged and relocated cabinetry to receive DP-1, coordinate size with existing hardware center to center dimension.
3. All new casework to receive DP-2 unless otherwise noted.
4. Appliances by owner, installed by contractor, typ.



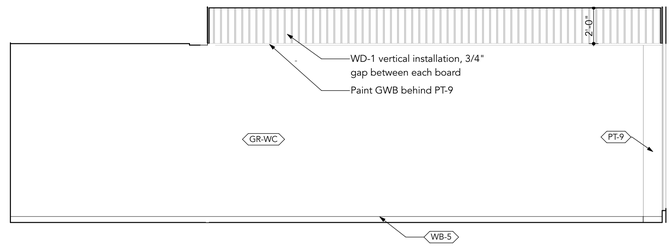
13 I201 **I.T. 156 West**
SCALE: 1/4" = 1'-0"



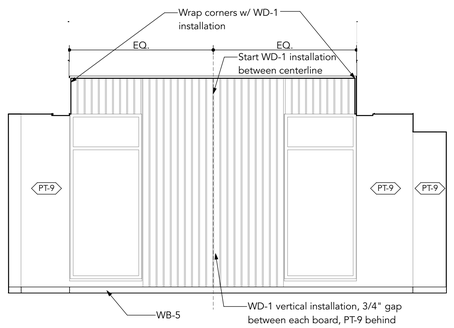
12 I201 **Service Court 148 South**
SCALE: 1/4" = 1'-0"



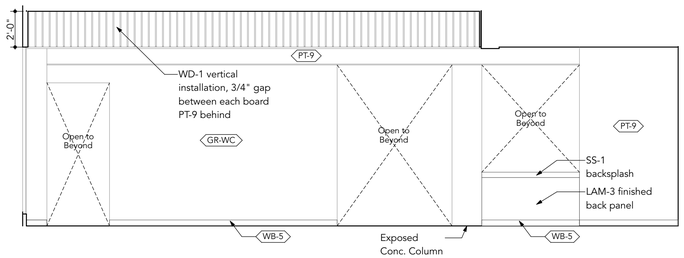
11 I201 **Central Park 138 West**
SCALE: 1/4" = 1'-0"



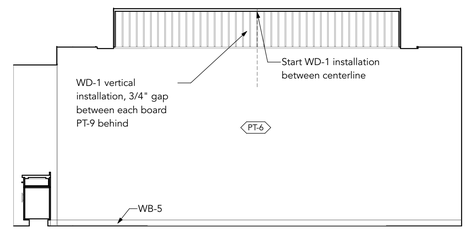
10 I201 **Town Square 127 East**
SCALE: 1/4" = 1'-0"



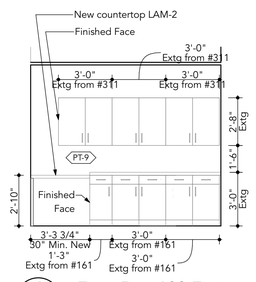
9 I201 **Town Square 127 South**
SCALE: 1/4" = 1'-0"



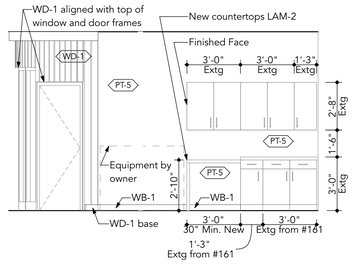
8 I201 **Town Square 127 West**
SCALE: 1/4" = 1'-0"



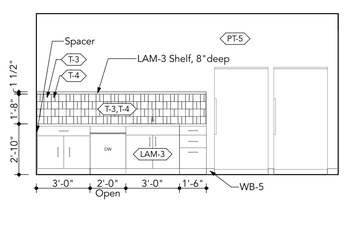
7 I201 **Town Square 127 North**
SCALE: 1/4" = 1'-0"



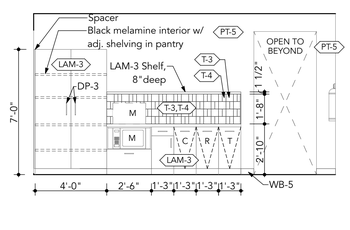
6 I201 **Econ Dev 103 East**
SCALE: 1/4" = 1'-0"



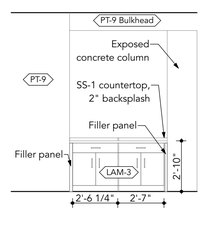
5 I201 **Copy/Print 115 East**
SCALE: 1/4" = 1'-0"



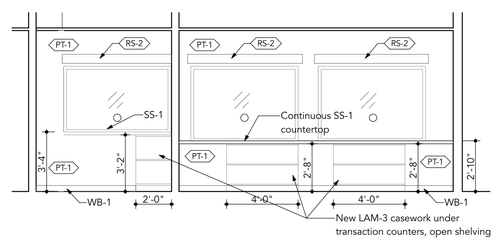
4 I201 **Break 126 West**
SCALE: 1/4" = 1'-0"



3 I201 **Break 126 East**
SCALE: 1/4" = 1'-0"



2 I201 **Corridor 119 East**
SCALE: 1/4" = 1'-0"



1 I201 **Clerk/Cashier 146 North**
SCALE: 1/4" = 1'-0"

9/8/25 - BIMcloud: Intersect ACD7 Teamwork Server - BIMcloud Basic for Archicad 27/23046 Kzoo Crosstown/23046 Kzoo Crosstown Facility

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Interior Elevations - CPED

I201

Interior Elevation Notes

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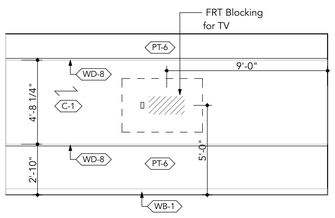
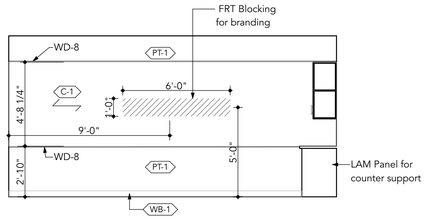
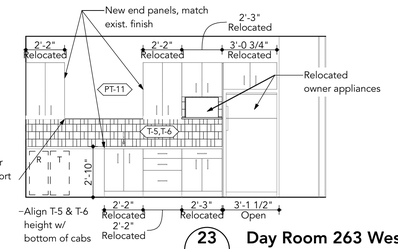


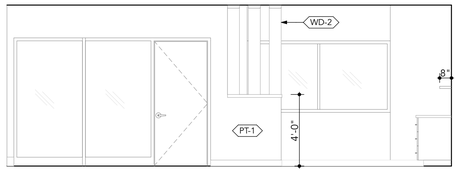
25 I202 **Day Room 263 East**
SCALE: 1/4" = 1'-0"



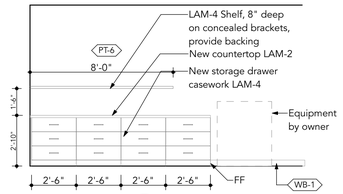
24 I202 **Day Room 263 South**
SCALE: 1/4" = 1'-0"



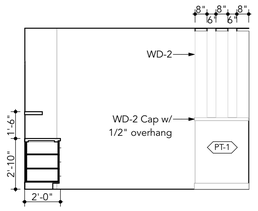
23 I202 **Day Room 263 West**
SCALE: 1/4" = 1'-0"



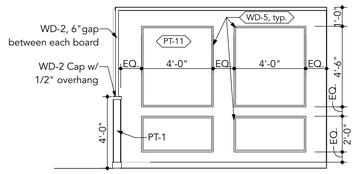
22 I202 **Day Room 263 North**
SCALE: 1/4" = 1'-0"



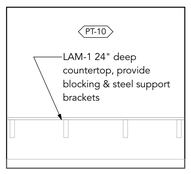
21 I202 **Recharge 260 East**
SCALE: 1/4" = 1'-0"



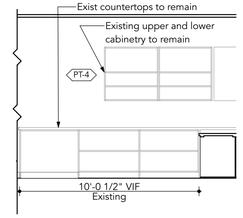
20 I202 **Recharge 260 South**
SCALE: 1/4" = 1'-0"



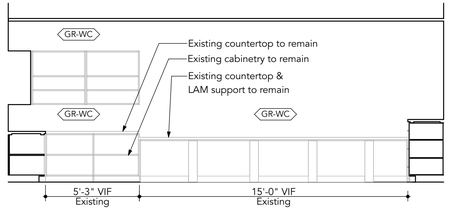
19 I202 **Recharge 260 West**
SCALE: 1/4" = 1'-0"



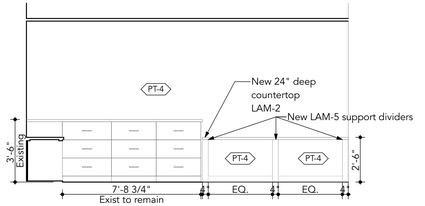
18 I202 **Work 262 South**
SCALE: 1/4" = 1'-0"



17 I202 **Report 261 East**
SCALE: 1/4" = 1'-0"



16 I202 **Report 261 South**
SCALE: 1/4" = 1'-0"

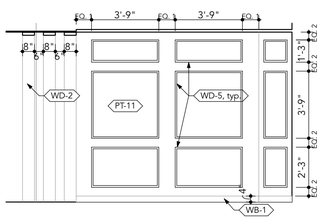


15 I202 **Report 261 West**
SCALE: 1/4" = 1'-0"

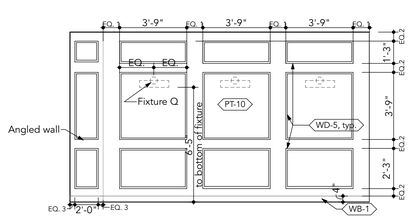
14 I202 **Corridor 214 South**
SCALE: 1/4" = 1'-0"

13 I202 **Kitchen 197 East**
SCALE: 1/4" = 1'-0"

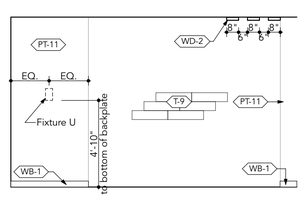
12 I202 **Kitchen 197 West**
SCALE: 1/4" = 1'-0"



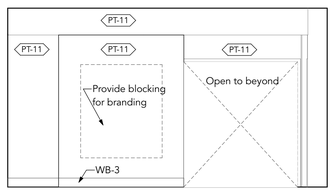
11 I202 **Work Cafe 195 South**
SCALE: 1/4" = 1'-0"



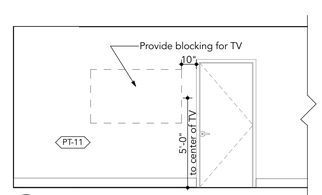
10 I202 **Work Cafe 195 West**
SCALE: 1/4" = 1'-0"



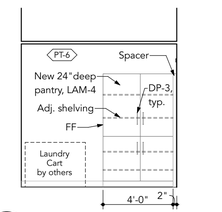
9 I202 **Work Cafe 195 North**
SCALE: 1/4" = 1'-0"



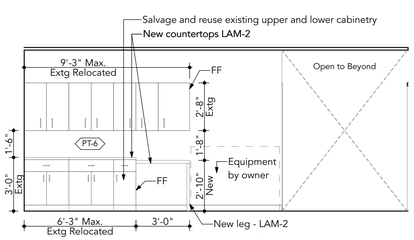
8 I202 **Lobby 191 South**
SCALE: 1/4" = 1'-0"



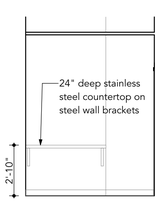
7 I202 **Lobby 191 West**
SCALE: 1/4" = 1'-0"



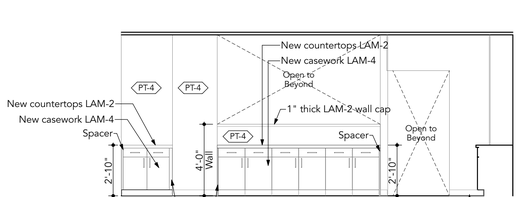
6 I202 **Linen 190 South**
SCALE: 1/4" = 1'-0"



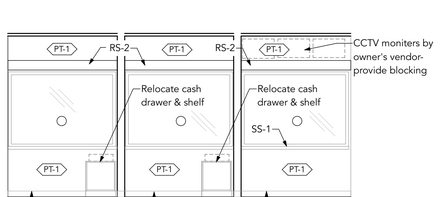
5 I202 **Record 176 East**
SCALE: 1/4" = 1'-0"



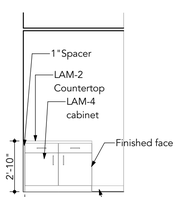
4 I202 **F.P. 179 South**
SCALE: 1/4" = 1'-0"



3 I202 **Teleserve 176 East**
SCALE: 1/4" = 1'-0"



2 I202 **Teleserve 176 Northwest**
SCALE: 1/4" = 1'-0"



1 I202 **Teleserve 176 Southwest**
SCALE: 1/4" = 1'-0"

City of Kalamazoo - Crosstown Facility
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Project Number: 23-046

Interior Elevations - KDPS

I202

9/8/25 - BIMcloud: Intersect:AC27 Teamwork Server - BIMcloud Basic for Archicad 27\23046 Kzoo Crosstown\23046 Kzoo Crosstown Facility

5 I203 **Corridor Looking West**

SCALE: 1/4" = 1'-0"

4 I203 **Corridor 196 South**

SCALE: 1/4" = 1'-0"

3 I203 **Work Cafe195North**

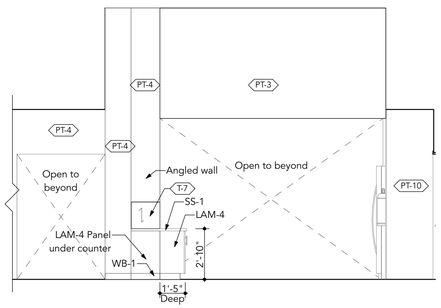
SCALE: 1/4" = 1'-0"

2 I203 **Work Cafe 195 East**

SCALE: 1/4" = 1'-0"

1 I203 **Work Cafe 195 West**

SCALE: 1/4" = 1'-0"



6 I203 **Corridor Looking South**

SCALE: 1/4" = 1'-0"

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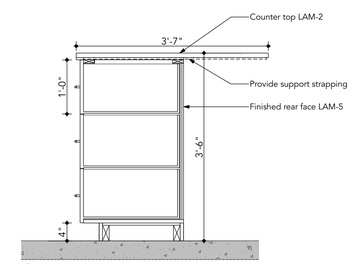
Interior Elevations- KDPS

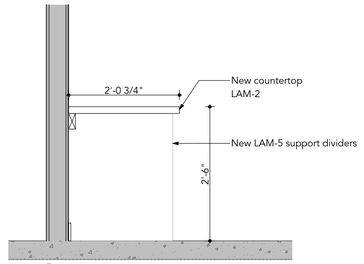
I203

9/8/25 - BIM/dust: Intersect AC27 Teamwork Server - BIM/dust Basic for Archicad 27/23046 Kzoo Crosstown/23046 Kzoo Crosstown Facility



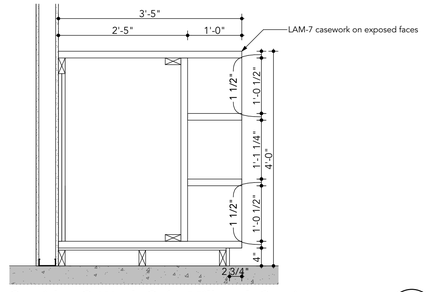
4 / I301 **Work Millwork Section**

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



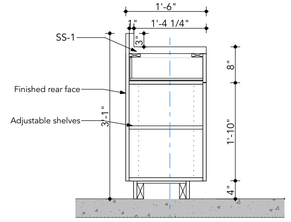
3 / I301 **Report Room Millwork Section**

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



2 / I301 **Corridor @ Work Cafe Millwork Section**

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



1 / I301 **Town Square Hospitality Millwork Section**

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

9/8/25 - BIMcloud: Intersect-AC27 Teamwork Server - BIMcloud Basic for Archicad 27/20046 Kzoo Crosstown/20046 Kzoo Crosstown Facility

intersect

City of Kalamazoo - Crosstown Facility
CPED & KDPS Workplace Renovation
150 E Crosstown Parkway Kalamazoo MI 49001

NOT FOR REGULATORY APPROVAL, PERMITTING, OR CONSTRUCTION

Bid Set	08/21/2025
Site Plan Review	07/31/2025
DD Set	07/03/2025

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Project Number: 23-046

Interior Details

I301

TAG	ITEM	MANUFACTURER	STYLE	COLOR	SIZE	NOTES	SPEC	BOD
CARPET								
CPT-1	Carpet Tile Walk-Off	Shaw Contract	Path Tile 5T034	Sterling 34557	24" x 24" .281" thick	Monolithic Installation - See Plan for carpet direction Contact Ashley Hazel at 616-980-7391 or ashley.hazel@shawcontract.com	09 6813	BOD
CPT-2	Carpet Tile Walk-Off	Shaw Contract	Path Tile 5T034	Navy 34485	24" x 24" .281" thick	Monolithic Installation - See Plan for carpet direction Contact Ashley Hazel at 616-980-7391 or ashley.hazel@shawcontract.com	09 6813	BOD
CPT-3	Carpet Tile - Field CPED	Mohawk	Collection: Shape Theory Style: Corresponding Angle BT599	977 Iron Index	24"x24" 0.219 " thick	Installation pattern: monolithic Contact Kristin Boos at 248-803-1754 or kristin_boos@mohawkind.com	09 6813	
CPT-4	Carpet Tile - Field KDPS	Interface	Knitstitch	103333 Linen	50cm x 50cm .218" thick	Installation: Monolithic Contact Shelbe Ogburn at 616-370-6087 or shelbe.ogburn@interface.com	09 6813	
CPT-5	Carpet Tile	Shaw Contract	Zest Tile 5T487	Brio-Color 87485	24" x 24" tile .32" thick	Monolithic Installation - See Plan for carpet direction Contact Ashley Hazel at 616-980-7391 or ashley.hazel@shawcontract.com	09 6813	
CPT-6	Carpet Tile	Interface	Collection: Granite Mountain Style: Panola Mountain	Green Lichen 107302	19.69" x 19.69" .376" thick	Installation: Non-directional Contact Shelbe Ogburn at 616-370-6087 or shelbe.ogburn@interface.com	09 6813	
CPT-7	Carpet Tile	Patcraft	Raw Edge 10834	Moire 00580	18" x 36" plank .297" thick	Ashlar Installation - See plan for carpet direction. Contact Ryan Morton at 616-260-6829 or ryan.morton@patcraft.com	09 6813	
CPT-8	Carpet Tile	ShawContract	Weathered Color Tile 5T426	Lake Still 88411	9' x 36" 0.318" thick	Installation: Monolithic Contact Ashley Hazel at 616-980-7391 or ashley.hazel@shawcontract.com	09 6813	
CPT-9	Carpet Tile	ShawContract	Gilded Tile 5T619	Lazurite Silver 18496	24" x 24" tile .292" thick	Installation: Monolithic Contact Ashley Hazel at 616-980-7391 or ashley.hazel@shawcontract.com	09 6813	
CPT-10	Carpet Tile	ShawContract	Zest Tile 5T487	Brio 87518	24" x 24" tile .32" thick	Installation: Multi Directional Contact Ashley Hazel at 616-980-7391 or ashley.hazel@shawcontract.com	09 6813	
CPT-11	Carpet Tile- 2nd Floor Accent	Interface	Open Air 441	108320 Flannel	19.69" x 19.69" .232" thick	Installation: Contact Shelbe Ogburn at 616-370-6087 or shelbe.ogburn@interface.com	09 6813	
CPT-12	Carpet Tile	Mohawk	Wild Dyer- Curious Cluster GT363	585 Bottom of a Well	24"x24" .393" thick	Multi Directional installation Contact Kristin Boos at 248-803-1754 or kristin_boos@mohawkind.com	09 6813	
CPT-13	Carpet Tile	Shaw Contract	Honest Tile 5T236	Ivy 35375	9" x 36" .284" thick	Stagger Installation - See plan for carpet direction Contact Ashley Hazel at 616-980-7391 or ashley.hazel@shawcontract.com	09 6813	
CPT-14	Carpet Tile	Mohawk	Above and Below -Biotope GT357	555 Indigo Milk Cap	12" x 36" .366" thick	Stagger Installation - See plan for carpet direction Contact Kristin Boos at 248-803-1754 or kristin_boos@mohawkind.com	09 6813	
CPT-15	Carpet Tile	Interface FLOR	Squared Away: 21-1589	Midnight/Pearl	24" x 24" .315" Thick	Monolithic Installation - See Plan for carpet direction Contact Shelbe Ogburn at 616-370-6087 or shelbe.ogburn@interface.com	09 6813	
CPT-16	Carpet Tile - Field Upper Level	Interface	Open Air 418	108320 Flannel	19.69" x 19.69" .198" thick	Contact Shelbe Ogburn at 616-370-6087 or shelbe.ogburn@interface.com	09 6813	
RUBBER FLOORING								
RB-1	Rubber Flooring	Nora	Norament Costello	5355 Palazzo	39.53" x 39.53" 3.5mm Thickness	Contact Chuck Timmerman with Interface at 616-481-1719 or chuck.timmerman@interface.com	09 6500	
RB-2	Rubber Flooring	Nora	Norament Costello	5356 Domus	39.53" x 39.53" 3.5mm Thickness	Contact Chuck Timmerman with Interface at 616-481-1719 or chuck.timmerman@interface.com	09 6500	
RESILIENT FLOORING								
LVT-1	Luxury Vinyl Tile	Shaw Contract	Commingle 4350V	Concrete 50105	9" x 48" tile .197" thick	Stagger Installation. See Finish Plan for LVT install locations and direction. Contact Ashley Hazel at 616-980-7391 or ashley.hazel@shawcontract.com	09 6519	
LVT-2	Luxury Vinyl Tile	Shaw Contract	Union 4349V	Sandy Dune 49240	9" x 48" tile .197" thick	Stagger Installation. See Finish Plan for LVT install locations and direction. Contact Ashley Hazel at 616-980-7391 or ashley.hazel@shawcontract.com	09 6519	
LVT-3	Luxury Vinyl Tile	Interface	Level Set- Textured Woodgrains	Ash Walnut A00409	25cmx1m 4.5mm	Stagger & Herringbone Installation. See Finish Plan for LVT install pattern locations and direction. Contact Shelbe Ogburn at 616-370-6087 or shelbe.ogburn@interface.com	09 6519	
RST-1	Modular Linoleum Flooring	Forbo	Marmoleum Modular	T3048 Graphite	19.69" x 19.69" .1" thick	Contact Stephanie Gutowsky with Forbo at 248-385-8805 or stephanie.Gutowsky@forbo.com	09 6516.13	BOD
RST-2	Sports Flooring	Johnsonite	Replay Commotion Sheet Flooring	Bluestone RAS	4'x50' 9.5 mm Thick	Contact Jennifer Conway with Tarkett at 248.639.8161	09 6566	BOD
STAIR TREADS								
ST-1	Homogenous Rubber Stair Treads	Nora	Norament Arago Stairtreads	5178 Calm	Coord. Stair tread size with current tread and riser dimensions. 5mm Thick	Include 0122 Light Grey Smooth VI visually impaired strips on all treads. Contact Chuck Timmerman with Interface at 616-481-1719 or chuck.timmerman@interface.com	09 6519	
TILE								
T-1	Porcelain Floor Tile - Toilet Room	Platform Surfaces	Cove	Storm	12"x24"	Installation Method: Third offset Grout: Joint 3/16", GR-1 Contact Jordan Griffis with Platform Surfaces at 616-648-4446 or jgriffis@platformsurfaces.com	09 3013	
T-2	Wall Tile	Platform Surfaces	Infinity	Sky Wave	12"x24"	Installation Method: Stacked Horizontal Grout: Joint 1/8", GR-2 Contact Jordan Griffis with Platform Surfaces at 616-648-4446 or jgriffis@platformsurfaces.com	09 3013	
T-3	Ceramic Tile	Stonesource	Palma Craft	Cotto, Glossy	5" x 5" square tile 8.8mm Thickness	See Elevation 5 5/1201 & 6/1201 for installation pattern Grout: 1/8" joint, GR-3 Use Schluter Jolly- Satin Anodized on exposed edges, size to coord. W/ tile thickness. Contact Iris Robinson at 312-909-6215 or irobinson@stonesource.com	09 3013	
T-4	Ceramic Tile	Stonesource	Palma Craft	Cotto, Glossy	2.5" x 5" tile 8.8mm Thickness	See Elevation 30/1202 for installation pattern Grout: 1/8" joint, GR-4 Use Schluter Jolly- Satin Anodized on exposed edges, size to coord. W/ tile thickness. Contact Iris Robinson at 312-909-6215 or irobinson@stonesource.com	09 3013	
T-5	Ceramic Wall Tile	StoneSource	Palma Craft	Marine, Glossy	2.5"x5" 8.8mm Thickness	" "	09 3013	
T-6	Ceramic Wall Tile	StoneSource	Palma Craft	Marine, Glossy	2.5"x5" 8.8mm Thickness	" "	09 3013	
T-7	Porcelain Wall Tile	Platform Surfaces	Kit Kats	Midnight, Glossy	4.5" x 9" 8.5mm Thickness	Stacked vertical installation pattern Grout: 1/8"joint, GR-5 Use Schluter Jolly- Satin Anodized on exposed edges, size to coord. W/ tile thickness. Contact Jordan Griffis with Platform Surfaces at 616-648-4446 or jgriffis@platformsurfaces.com	09 3013	
T-8	Porcelain Wall Tile	Tilebar	Rework Leather	Gray Blue	3" x 12" 10mm Thickness	1/3 Offset Grout: 1/8" grout joint, GR-6 Use Schluter Jolly- Dark Anthracite on exposed edges, size to coord. W/ tile thickness. Contact Morgan Kline at 616-730-3036 or mkline@tilebar.com	09 3013	
T-9	Porcelain Wall Tile	Platform Surfaces	Veneer World- Quarry Ledgestone River	Quarry Ledgestone River Smoke	6"x24" 9mm Thickness	Horizontal 1/3 Offset Installation, see 9/1202 for install pattern Grout: Joint 1/8", GR-7 Contact Jordan Griffis with Platform Surfaces at 616-648-4446 or jgriffis@platformsurfaces.com	09 3013	
T-10	Wall Tile	Platform Surfaces	Infinity	Sky	12"x24" - cut to size for wall base 9mm Thickness	Grout: Joint 1/8" GR-2 Contact Jordan Griffis with Platform Surfaces at 616-648-4446 or jgriffis@platformsurfaces.com	09 3013	

TAG	ITEM	MANUFACTURER	STYLE	COLOR	SIZE	NOTES	SPEC	BOD
GROUT								
GR-1	Grout	Laticrete	Permicolor Select	60 Dusty Grey				BOD
GR-2	Grout	Laticrete	Permicolor Select	93 Fossil				BOD
GR-3	Grout	Laticrete	Permicolor Select	46 Quarry				BOD
GR-4	Grout	Laticrete	Permicolor Select	53 Twilight Blue				BOD
GR-5	Grout	Laticrete	Permicolor Select	91 Slate Grey				BOD
GR-6	Grout	Laticrete	Permicolor Select	45 Raven				BOD
GR-7	Grout	Laticrete	Permicolor Select	87 Stormy Grey				BOD
WALL BASE								
WB-1	Rubber Base	Johnsonite	TSBT Baseworks Straight Toeless Rubber Base	Burnt Umber, 63	4" Tall	Use RB-1 unless otherwise noted. Contact Sheri Datema with Florstar at sdatema@florstar.com or 616-204-5540cc	09 6513	
WB-2	Rubber Base	Johnsonite	Shoe Moulding MW-63-D	Burnt Umber, 63	1.5" Tall		09 6513	
WB-3	Molded "Millwork" Rubber Base	Johnsonite	Ledge MW-55-X62	Silver Grey 55, WG	6" Tall	Use in Rooms 172,180,181,191 unless otherwise noted. Contact Sheri Datema with Florstar at sdatema@florstar.com or 616-204-5540	09 6513	
WB-4	Tile Cove Base	Platform Surfaces	Cove	Storm	6"x12" Cove Base	Grout spec & grout joint to match proposed room floor tile. Contact Jordan Griffis with Platform Surfaces at 616-648-4446 or jgriffis@platformsurfaces.com	09 6513	
WB-5	Rubber Base	Johnsonite	TSB With Toe / Cove Rubber Base	Silver Grey 55, WG	4" Tall	To be used in room 127, 119, 126, 123	09 6513	
PAINT								
PT-1	Field Paint	Sherwin Williams		Greek Villa SW 7551		Use on Gyp. Bd. Walls unless otherwise noted. See General notes for more info. Contact Karen McIlwain with Sherwin Williams at 317-714-5610 or karen.mcilwain@sherwin.com	09 9123	BOD
PT-2	Mid Grey	Sherwin Williams		Pavestone SW7642		See General Notes for more info	09 9123	BOD
PT-3	Dark Grey	Sherwin Williams		Peppercorn SW7674				BOD
PT-4	Light Green	Sherwin Williams		Escape Gray SW 6185				BOD
PT-5	Light Blue	Sherwin Williams		Meditative SW 6227				BOD
PT-6	Mid Blue	Sherwin Williams		Smoky Blue SW7604				BOD
PT-7	Bright Blue	Sherwin Williams		Lobelia SW6809				BOD
PT-8	Terra Cotta	Sherwin Williams		Rojo Dust SW9006				BOD
PT-9	Green	Sherwin Williams		Privilege Green SW6193				BOD
PT-10	Mid Green	Sherwin Williams		Rosemary SW6187				BOD
PT-11	Dark Blue	Sherwin Williams		Dark Night SW6237				BOD
PT-12	White	Sherwin Williams		High Reflective White SW7757			09 9123	BOD
PT-13	Taupe	Sherwin Williams		Virtual Taupe SW7039		See Exterior Elevations for substrate info		BOD
PT-14	Tan	Sherwin Williams		Tatami Tan SW6116		See Exterior Elevations for substrate info		BOD
WOOD								
WD-1	Wood Slats		1"x4" Select Maple Flat stock	WS-1		See elevations for installation pattern & locations. Install slats with 3/4" gap between each.	06 4023	BOD
WD-2	Wood Slats		2" x 8" Finish Grade Maple or Red Oak	WS-2		See elevations & RCP for dimensions & locations.	06 4023	BOD
WD-3	Wood Trim		1"x3" Select Maple flat stock	WS-3		Wood to detail lobby columns	06 4023	BOD
WD-4	Wood Coffered Ceiling	ASI Architectural	Beam System	PS walnut Veneer, Clear Lacquer Finish	1' Width 6" Height		06 4023	BOD
WD-5	Wood Trim- to be painted		.75"x1" Half Round	Painted with attached wall color			06 4023	BOD
WD-6	Not Used							
WD-7	Wood Ceiling System	Rulon	Linear Open System	White Oak Veneer with Felt Spacers	6" Module, 3/4" Reveal		06 4023	BOD
WD-8	Wood Trim - Cork Wall		Quarter Round Moulding	Painted with attached wall color	Coordinate w/ C-1 product thickness, capture exposed edge.			BOD
WD-9	Wood Trim- Lobby Bulkhead		1 1/2" x 3/4" Finish Grade Flat Moulding	WS-3				BOD
WD-10	Wood Trim- Window Sills		2 1/2" x 1" Finish grade Flat Moulding	WS-X				BOD
WOOD STAIN								
WS-1	Clear Coat	Minwax Polycrylic		Clear		Contractor to provide sample of clear coat on proposed wood species for designer approval.	06 4023	BOD
WS-2	Wood Stain	Minwax Wood Finish Penetrating Stain		To match Wilsonart Laminate Uptown Walnut 7971K		Contractor to provide three different stain options on proposed wood species for designer approval.	06 4023	BOD
WS-3	Wood stain	Minwax Wood Finish Penetrating Stain		To match LAM-1		Contractor to provide three different stain options on proposed wood species for designer approval.	06 4023	BOD
WS-4	Wood stain	Minwax Wood Finish Penetrating Stain		To match LAM-3		Contractor to provide three different stain options on proposed wood species for designer approval.		BOD
LAMINATE								
LAM-1	Laminate	Wilsonart	Premium Laminate	8232K-05 Continental Walnut,			06 4023	BOD
LAM-2	Laminate- Countertops	Wilsonart	Premium Laminate	Magnolia 5012K-38, Textured Gloss				BOD
LAM-3	Laminate	Wilsonart	Premium Laminate	7981K-12 Landmark Wood, Softgrain				BOD
LAM-4	Laminate - Kitchen Millwork	Wilsonart	Standard Laminate	Norwegian Ash 8241-38 Fine Velvet Finish		Contact Jon Rauch with Lumbermen's at 616-291-1430 or jonrauch@lumbermens-inc.com		BOD
LAM-5	Laminate- Report Room Millwork	Wilsonart		Laminate to match existing dark woodgrain casework in report room				BOD
LAM-6	Laminate- Transaction Counter Wall	Wilsonart	Standard Laminate	Slate Grey Dg1-60 Matte Finish			06 4023	BOD
LAM-7	Laminate- Booth Casework	Wilsonart	Standard Laminate	Brittany Blue D321-60 Matte Finish			06 4023	BOD
LAM-8	Melamine		Melamine Board	White	3/4" thick, coord. length and depth with sill size			BOD
WALL PANELS								
WP-1							10 2623	
FRP-1 / WP-2	Fiberglass Reinforced Plastic	PANOLAM	FRP	White, Embossed		Install up to 60" Contact Marybeth Watson at 678-868-1005 or marybeth_watson@panolam.com	06 4023	BOD
WP-3	Wall Protection	Inpro	Paladium Rigid Sheet Solid Color	0237 Slate	.040" thick, 4'x8' standard	Install up to 48", finish with Solid color trim to match: top cap, vertical divider, inside & outside corner	06 4023	BOD
STS-1 / WP-4	Stainless Steel Wall Panel	Inpro	Stainless Steel Wall Protection		4'x10' fabricated to size/ 18 gauge standard, brushed		09 7813	BOD
SOLID SURFACE								
SS-1	Quartz Countertop	Wilsonart	Quartz Select	Terulingua Q6024		Straight Edge profile	12 3661	BOD
SS-2	Quartz Countertop	Wilsonart	Quartz Select	Urban Cloud Q6018		Contact Jon Rauch with Lumbermen's at 616-291-1430 or jonrauch@lumbermens-inc.com		
CORK								
C-1	Cork Wall Panel w/ MDF Core	Stacked Wood	8100	Corcho Natural	12"x 48" thick 0.39"	Contact Andrea Angers at 248-302-1355 or andreaa@liboyd.com Use WD-8 to capture exposed top and bottom edges.	06 4200	

TAG	ITEM	MANUFACTURER	STYLE	COLOR	SIZE	NOTES	SPEC	BOD
WALLCOVERING								
WC-1	Vinyl Wallcovering	Momentum	Momentum	Fracture SG3000	Diamond	20 oz/ly 52-54"W 12 5/8" V repeat	Contact Brandi Weiss at 313-720-2871 or bweiss@momtex.com	09 7200	
WC-2	Vinyl Wallcovering	Momentum	Senza A200-327	Nettuno		20 oz/ly 52-54"W 24"X x 17 1/2" H repeat			
GRAPHIC WALLCOVERING								
GR-WC	Custom Wallcovering						To be coordinated in branding package. Contractor to prep wall for vinyl wallcovering (by others)	09 7200	
DOOR FINISH								
DF-1	Decorative Film	3M DI-NOC	Basic Woodgrain	WG-1196		48" w	See door schedule. Installed by 3M certified installer on existing doors.		
DF-2	Wood Door	VT Industries	Red Oak	Riverstone Rt18 - Wood Veneer to match LAM-1			See Door Schedule		BOD
DF-3	Wood Door	VT Industries	White Birch	Clear CL18 - Wood Veneer to match LAM-3			See Door Schedule		BOD
FLOORING TRANSITIONS								
TR-1	Rubber Floor Transition	Johnsonite	Slimline Transition	TBD		Coord. transition size w/flooring thickness. Ensure transition size is ADA compliant	Contact Sheri Datema with Florstar at sdatema@florstar.com or 616-204-5540	09 3000	BOD
TR-2	Metal Floor Transition - Tile to Resilient	Schluter	RENO-U	Satin Anodized Aluminum		Coord. transition size w/flooring thickness. Ensure transition size is ADA compliant		09 3000	BOD
TR-3	Metal Floor Transition - Tile to CPT	Schluter	RENO- TK	Satin Anodized Aluminum		Coord. transition size w/flooring thickness. Ensure transition size is ADA compliant			BOD
CORNER GUARD								
CG-1	Corner Guard		Stainless Steel Corner Guard			1" Wing Size, 8' High			BOD
CG-2		Inpro	Tape-on Corner Guard	Blue Mist, 0324		1 1/2" Wing Size, 8' High			
CG-3		Inpro	Tape-on Corner Guard	Feather, 0238		1 1/2" Wing Size, 8' High			BOD
CG-4		Inpro	Tape-on Corner Guard	Designer White, 0101		1 1/2" Wing Size, 8' High			BOD
WINDOW TREATMENTS								
RS-1	Manual Roller Shades	Hunter Douglas Architectural	RB500 Manual Roller Shades with Fascia Fabric: Sheerweave 2410 1% Openness	Fabric: Charcoal/Gray Fascia: Anodized Aluminum Inside Mount			See Finish Plan/RCP for roller shade locations. Verify window opening sizes in field. Contact Janae Szymczack with Creative Window Treatments at 269-342-0072 or janae@creativewin.com	12 2413	BOD
RS-2	Manual Roller Shades	Hunter Douglas Architectural	Manual Roller shade GlacierScreen +RD 0% openness	Fabric: Charcoal/Gray Fascia: Anodized Aluminum Surface Mount			See Finish Plan/RCP for roller shade locations. Verify window opening sizes in field. Contact Janae Szymczack with Creative Window Treatments at 269-342-0072 or janae@creativewin.com	12 2413	BOD
ACOUSTIC PANELS								
AC-1	Felt Ceiling Tile	Fact Design	Wink Tile	Blue	2'x2'		Armstrong Suprafine 9/16" grid system, color: black	12 2413	
AC-2	Felt Ceiling Tile	Fact Design	Flat Tile	Blue	2'x2'		Armstrong Suprafine 9/16" grid system, color: black	~~12 2413~~	
AC-3	Ceiling Tectum Panel	Basis of Design: Armstrong	Tectum High NRC Panel, "A" Attachment method	Natural, Paint PT-3	23 3/4" x 48" x 1"		Direct attach rod wool acoustic panel	12 2413	BOD
ACOUSTIC CEILING TILE								
ACT-1	Acoustic Ceiling Tile	Armstrong	3251 Optima Square Tegular	White	24"x24" 1"		Armstrong Suprafine 9/16" grid system, color: white .95 NRC	09 8400	BOD
ACT-2	Acoustic Ceiling Tile	Armstrong	1952 Ultima Beveled Tegular 9/16"	White	24"x24" 3/4"		Armstrong Suprafine 9/16" grid system, color: white .6 NRC / 40 CAC	09 5100	BOD
ACT-3	Acoustic Ceiling Tile	Armstrong	3265 Optima Square Tegular 9/16	White	24"x48" 1" Thickness		Armstrong Suprafine 9/16" grid system, color: white .95 NRC	09 5313	BOD
ACT-4	Acoustic Ceiling Tile	Armstrong	1772 Dune Square Lay in 15/16	White	24"x24" 5/8" Thickness		Armstrong Prelude 15/16" grid system, color: white .5 NRC 30CAC	09 5313	BOD
ACT-5	Acoustic Ceiling Tile	Armstrong	1890 Dune Square Beveled Tegular	White	24"x24" 5/8" Thickness		Armstrong Suprafine 9/16" grid system, color: white		BOD
ACT-6	Acoustic Ceiling Tile-Cleanable	Armstrong	1936 Ultima Health Zone Beveled Tegular 9/16	White	24"x24" 3/4" Thickness		Armstrong Suprafine 9/16" grid system, color: white .70 NRC / 38 CAC		BOD
ACT-7	Acoustic Ceiling Tile-Black	Armstrong	584 Cirrus Beveled Tegular 9/16	Tech Black	24"x24" 3/4" Thickness		Armstrong Suprafine 9/16" grid system, color: black .70 NRC / 30 CAC		BOD
ACT-8	Acoustic Ceiling Tile-Wood	Armstrong	Tegular Microperf	Rift White Oak	24"x24" 3/4" Thickness		Armstrong Suprafine 9/16" grid system, color: black .70 NRC / 27 CAC		BOD
Hardware								
DP-1	Drawer Pull	Hardware Resources	Elements - Gibson Soft Square	Satin Nickel		To match existing Center to center dimension on salvaged casework			
DP-2	Drawer Pull - Large	Hardware Resources	Elements - Gibson Soft Square	Satin Nickel	5 1/2" Pull				
DP-1	Drawer Pull - Large	Hardware Resources	Elements - Gibson Soft Square	Satin Nickel	8" Pull				
DP-2	Drawer Pull - Large	Hardware Resources	Elements - Gibson Soft Square	Satin Nickel	8" Pull				

GENERAL INTERIOR FINISH NOTES

1. Refer to finish plans and elevations for finish locations.
2. Interior paint to be Promar 200 Zero VOC or equivalent.
   - Interior Walls: Satin/Eggshell
   - Horizontal Ceiling: Flat
   - Interior Hollow Metal Doors and painted trims: Semi-gloss - same color as adjacent wall
3. All materials to be installed according to manufacturer's recommendations.
4. Provide paints and finishes used in any individual system from the same manufacturer

Intersect

City of Kalamazoo - Crosstown Facility
CPED & KDPS Workplace Renovation
150 E Crosstown Parkway Kalamazoo MI 49001

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Bid Set	08/21/2025
Site Plan Review	07/31/2025
DD Set	07/03/2025

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Project Number: 23-046

Finish Schedule

I401

9/8/25 - BIMcloud: Intersect AC27 Teamwork Server - BIMcloud Basic for Archicad 27\23046 Kzoo Crosstown\23046 Kzoo Crosstown.pln

ROOM FINISH SCHEDULE

		FLOOR		WALL				CEILING		NOTES
ROOM #	ROOM NAME	MATERIAL	BASE	NORTH	EAST	SOUTH	WEST	MATERIAL	HEIGHT	
100	Director	CPT-7	WB-1	PT-5	PT-6, PT-5	PT-5	PT-5	ACT-2	9'-0" A.F.F.	
101	Focus	CPT-8	WB-1	PT-1	PT-1	PT-1	PT-5	ACT-2	9'-0" A.F.F.	
102	RR	T-1	Exist	PT-1	PT-1	PT-1	PT-1	Exist		
103	Economic Dev.	CPT-3	WB-1	PT-1	PT-1	PT-1	PT-1, PT-5**	ACT-1	9'-0", 10'-0" A.F.F.	
104	IT	RST-1	WB-1	PT-1	PT-1	PT-1	PT-1	Open to Struc.		
105	Connect	CPT-9	WB-1	PT-5	PT-1	PT-1	PT-1	Exist		
106	Large Connect	CPT-10	WB-1	PT-1	PT-1	PT-7	PT-6	ACT-3	9'-0" A.F.F.	
107	Huddle	CPT-8	WB-1	PT-5	PT-1	PT-1	PT-1	ACT-2	9'-0" A.F.F.	
108	ED. Manager	CPT-7	WB-1	PT-1	PT-1	PT-1	PT-2	ACT-2	9'-0" A.F.F.	
109	Storage	CPT-8	WB-1	PT-1	PT-1	PT-1	PT-1	ACT-4	9'-0" A.F.F.	
110	Focus	CPT-3	WB-1	PT-9	PT-1	PT-1	PT-1	ACT-2	9'-0" A.F.F.	
111	Corridor	CPT-3	WB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	10'-0" A.F.F.	
112	Fin Ops Manager	CPT-7	WB-1	PT-2	PT-1	PT-1	PT-1	ACT-2	9'-0" A.F.F.	
113	CD Manager	CPT-7	WB-1	PT-2	PT-1	PT-1	PT-1	Exist		
114	Comm Dev	CPT-3	WB-1	PT-1	N/A	PT-1	PT-1	ACT-1	10'-0" A.F.F.	
115	Copy/ Print	CPT-3	WB-1	N/A	PT-5**	N/A	N/A	ACT-1	10'-0" A.F.F.	
116	Hoteling	CPT-3	WB-1	PT-1	N/A	PT-1	PT-1	ACT-1	10'-0" A.F.F.	
117	Huddle	CPT-8	WB-1	PT-1	PT-1	PT-9	PT-9	ACT-1	9'-0" A.F.F.	
118	Corridor	CPT-3	WB-1	N/A	PT-1	PT-6	PT-1	ACT-1	9'-0" A.F.F.	
119	Corridor	LVT-1	WB-5	PT-6	PT-9**	PT-9, PT-5**	PT-1	ACT-4	9'-0" A.F.F.	
120	Pin Stor	RST-1	WB-1	PT-1	PT-1	PT-1	PT-1	Open to Struc.		
121	Elec.	Exist	Exist	Exist	Exist	Exist	Exist	Open to Struc.		
122	Womens	T-1	WB-4	PT-1	PT-1	PT-1	PT-1	Exist		
123	Vending	LVT-1	WB-5	PT-1	PT-1	PT-1	PT-5	ACT-1	9'-0" A.F.F.	
124	Mens	T-1	WB-4	PT-1	PT-1	PT-1	PT-1	Exist		
125	CI.	T-1	Exist					Open to Struc.		
126	Break	LVT-1	WB-5	PT-5	T-3, T-4, PT-5	PT-9**	T-3, T-4, PT-5	ACT-6	9'-0" A.F.F.	
127	Town Square	LVT-1, LVT-2*	WB-5	PT-6	GR-WC	PT-9, WD-1**	GR-WC, PT-9	ACT-1, GYP, AC-1, AC-2	10'-0" A.F.F. & 12'-0" A.F.F.	
128	Focus	CPT-8	WB-1	PT-9	PT-1	PT-9	PT-9	ACT-2	9'-0" A.F.F.	
129	Planning	CPT-3	WB-1	PT-1	PT-1, PT-2**	PT-6**	N/A	ACT-1	10'-0" A.F.F.	
130	CI.	T-1	Exist					Open to Struc.		
131	Pin Office	CPT-7	WB-1	PT-1	PT-1	PT-2	PT-1	ACT-2	9'-0" A.F.F.	
132	Pin Office	CPT-7	WB-1	PT-1	PT-1	PT-2	PT-1	ACT-2	9'-0" A.F.F.	
133	Pin Office	CPT-7	WB-1	PT-1	PT-1	PT-2	PT-1	ACT-2	9'-0" A.F.F.	
134	Pin Office	CPT-7	WB-1	PT-1	PT-1	PT-2	PT-1	ACT-2	9'-0" A.F.F.	
135	Office	CPT-3	WB-1	PT-2	PT-1	PT-1	PT-1	ACT-2	8'-0" A.F.F.	
136	Office	CPT-3	WB-1	PT-2	PT-1	PT-1	PT-1	ACT-2	8'-0" A.F.F.	
137	Connect	CPT-6	WB-1	PT-9, Glazing	PT-9, Glazing	WC-2	PT-9**	ACT-8	10'-0" A.F.F.	
138	Central Park	CPT-6*	WB-1	PT-8,PT-9,PT-7**	PT-5	PT-7	WD-1, Glazing See Elev.**	GYP, GR-WC, PT-7***	10'-0" A.F.F.	
139	Main Street	CPT-3*	WB-1	N/A	PT-5, PT-6**	WD-1**	PT-7	GYP, PT-12, ACT-1	10'-0" A.F.F. & 11'-0" A.F.F.	
140	Finance/ Admin	CPT-7	WB-1	PT-5	PT-1	PT-1	PT-1	ACT-2	9'-0" A.F.F.	
141	Focus	CPT-8	WB-1	PT-5	PT-1	PT-1	PT-1	ACT-2	9'-0" A.F.F.	
142	Focus	CPT-8	WB-1	PT-5	PT-1	PT-1	PT-1	ACT-2	9'-0" A.F.F.	
143	Jan	RST-1	WB-1	PT-1, FRP-1	PT-1, FRP-1	PT-1, FRP-1	PT-1, FRP-1	Open to Struc.		FRP-1to 8' aff, paint above
143-B	Elec.	Exist	Exist	Exist	Exist	Exist	Exist	Open to Struc.		
144	Building Trades	CPT-3	WB-1	PT-1	PT-1	N/A	PT-6**	ACT-1	10'-0" A.F.F.	
145	Help Desk	CPT-3	WB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	9'-0" A.F.F.	
146	Clerk/Cashier	CPT-3	WB-1	PT-1	PT-1	GR-WC**	PT-1	ACT-1	9'-0" A.F.F.	
147	Storage	CPT-3	WB-1	PT-1	PT-1	PT-1	PT-1	ACT-4	9'-0" A.F.F.	
148	Service Court	CPT-3	WB-1	PT-6**	N/A	PT-5**	N/A	ACT-1	9'-0" A.F.F.	
149	Bldg. Trades Office	CPT-7	WB-1	PT-2	PT-1	PT-1	PT-1	ACT-2	9'-0" A.F.F.	
150	Code Comp. Office	CPT-7	WB-1	PT-2	PT-1	PT-1	PT-1	ACT-2	9'-0" A.F.F.	
151	Fire Marshall	CPT-4	WB-1	PT-1	PT-1	PT-1	PT-2	ACT-2	9'-0" A.F.F.	
152	Corridor	CPT-3	WB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	9'-0" A.F.F.	
153	Service Desk	CPT-3	WB-1	PT-1	PT-5**	PT-1	PT-1	ACT-1	10'-0" A.F.F.	
154	I.T. Storage	CPT-3	WB-1	PT-1	PT-1	PT-1	PT-1	ACT-4	9'-0" A.F.F.	
155										
156	I.T.	CPT-3	WB-1	PT-1	PT-5**	PT-1	PT-1	ACT-1	9'-0" A.F.F.	
157	I.T. Office	CPT-7	WB-1	PT-1	PT-1	PT-1	PT-2	ACT-2	9'-0" A.F.F.	
158	Elec.	Exist	Exist	Exist	Exist	Exist	Exist	Open to Struc.		
159	Storage	RST-1	WB-2	PT-1	PT-1	PT-1	PT-1	Exist	9'-0" A.F.F.	
160	IT	RS-1	WB-2	PT-1	PT-1	PT-1	PT-1	Open to Struc.		
161	Corridor	RST-1	WB-2	WP-3, PT-1	WP-3, PT-1	WP-3, PT-1	WP-3, PT-1	ACT-4	9'-0" A.F.F.	
162	Building Trades	CPT-3	WB-1	PT-1	PT-1	PT-1	PT-5	ACT-1	10'-0" A.F.F.	
163	Code Compliance	CPT-3	WB-1	PT-1	PT-5**	PT-1	PT-1	ACT-1	9'-0" A.F.F.	
164	Hoteling	CPT-3	WB-1	PT-1	PT-1	PT-1	PT-5	ACT-1	10'-0" A.F.F.	
165	Fire Prev.	CPT-4	WB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	9'-0" A.F.F.	
166	FM Storage	CPT-4	WB-1	PT-1	PT-1	PT-1	PT-1	ACT-4	9'-0" A.F.F.	
167	Fire Marshall	CPT-4	WB-1	PT-1	PT-2	PT-1	PT-1	ACT-2	9'-0" A.F.F.	
168	KDPS Waiting Area	CPT-5	WB-1	PT-1	PT-6, GR-WC	PT-6, GR-WC**	PT-1	ACT-1	10'-0" A.F.F.	
169	Connect	CPT-5	WB-1	PT-1	PT-1	PT-5	PT-5	ACT-2	9'-0" A.F.F.	
170	Vestibule	CPT-1	T-10	Glazing	Glazing	Glazing	Glazing	ACT-1	10'-8" A.F.F.	
171	Welcome	RB-1, RB-2	T-10	PT-1	PT-1	N/A	PT-1	Open to Above, ACT-1	10'-8" A.F.F.	
172	Waiting	RB-1, CPT-5*	WB-3	PT-1	PT-6**	PT-3, LAM-1**	N/A	GYP, PT-12, PT-4, WD-4	12'-0" A.F.F. & 9'-6" A.F.F.	
173	Men's	T-1	WB-4	PT-1	PT-1	PT-1	PT-1	Exist		
174	Women's	T-1	WB-4	PT-1	PT-1	PT-1	PT-1	Exist		
175	C.I.	RB-1	WB-1	PT-1	PT-1	PT-1	PT-1	Exist		
176	Records Work	CPT-4	WB-1	PT-1	PT-6	PT-1, PT-6**	PT-1	ACT-1	9'-0" A.F.F.	
177	Records	Exist	Exist	Exist	Exist	Exist	Exist	Exist		
178	Service Desks	CPT-4	WB-1	PT-1	PT-4	PT-1	PT-1	ACT-1	9'-0" A.F.F.	
179	F.P.	CPT-4	WB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	9'-0" A.F.F.	
180	Lobby	RB-1,RB-2,CPT-5*	WB-2, WB-3, T-10**	N/A	PT-6, PT-3, LAM-1**	PT-3, PT-6 LAM-1	WC-1, GR-WC	GYP, PT-12, PT-4, WD-4	12'-0" A.F.F. & 9'-6" A.F.F.	
181	Corridor	RB-1	WB-3	PT-4**	PT-1	GR-WC**	PT-1	ACT-1	10'-0" A.F.F.	
182	Connect	CPT-9	WB-1	PT-1	PT-1	GR-WC, PT-7**	PT-7	GYP, PT-12, ACT-1, WD-7	9'-0" A.F.F. & 10'-0" A.F.F.	
183	Court Officer	CPT-4	WB-1	PT-1	PT-1	PT-2	PT-2	ACT-2	9'-0" A.F.F.	
184	Fleet Manager	CPT-4	WB-1	PT-1	PT-1	PT-2	PT-1	ACT-2	9'-0" A.F.F.	
185	Corridor	CPT-4	WB-1	PT-1	PT-2**	PT-2**, PT-1	PT-1	ACT-1	9'-0" A.F.F.	
186	Focus	CPT-4	WB-1	PT-4	PT-1	PT-1	PT-1	ACT-2	8'-0" A.F.F.	
187	Focus	CPT-4	WB-1	PT-4	PT-1	PT-1	PT-1	ACT-2	8'-0" A.F.F.	
188	Recharge	CPT-4	WB-1	PT-6	PT-6**, PT-1	PT-1	PT-1	ACT-2	8'-0" A.F.F.	
189	Recharge	CPT-4	WB-1	PT-1	PT-1	PT-1	PT-11	ACT-2	8'-0" A.F.F.	
190	Linen	CPT-4	WB-1	PT-1	PT-1	PT-4	PT-1	ACT-1	8'-0" A.F.F.	
191	Lobby	RB-1	WB-3	PT-11	PT-10	PT-9	PT-8	GYP, GR-WC, ACT-1	10'-0" A.F.F. & 9'-0" A.F.F.	
192	Connect	CPT-12	WB-1	PT-1	PT-1	PT-6	PT-1	ACT-2	9'-0" A.F.F.	
193	Vestibule	CPT-2	WB-3	PT-1	GR-WC	PT-1	PT-1	ACT-1	9'-4" A.F.F.	
194	Focus	CPT-12	WB-1	PT-10	PT-10	PT-1	PT-1	ACT-2	9'-0" A.F.F.	
195	Work Cafe	LVT-3, CPT-15*	WB-1	PT-11,T-9**, PT-1	PT-10,PT-4 GR-WC, T-7**	PT-1	PT-11, PT-10	GYP, PT-1, PT-3***, ACT-7, WD-2	9'-6" A.F.F. 9'-4" A.F.F Open to Struc	
196	Corridor	CPT-4	WB-1	PT-1	PT-1	PT-11, GR-WC**	PT-1	ACT-1, WD-2, PT-3, GYP	9'-0" A.F.F 8'-4" A.F.F 8'-6" A.F.F.	
197	Kitchen	LVT-3	WB-1	PT-10**	PT-4,T-8, STS-1**	PT-4	PT-4,T-8	ACT-6	9'-6" A.F.F.	

ROOM FINISH SCHEDULE

		FLOOR		WALL				CEILING		NOTES
ROOM #	ROOM NAME	MATERIAL	BASE	NORTH	EAST	SOUTH	WEST	MATERIAL	HEIGHT	
198-213										
214	Corridor	CPT-4	WB-1	PT-1	PT-11, PT-1	PT-11, PT-1	PT-1	ACT-1	9'-0" A.F.F.	
215	Admin	CPT-4	WB-1	PT-2**	PT-1	PT-1	PT-1	ACT-2	9'-0" A.F.F.	
216	Shift Command	CPT-4	WB-1	PT-1	PT-1	PT-2**	PT-2	ACT-1	9'-0" A.F.F.	
217	Equip.	Exist	Exist	Exist	Exist	Exist	Exist	Exist		
218	Meet	CPT-4	WB-1	PT-1	PT-6**	PT-1	PT-1	ACT-2	9'-0" A.F.F.	
219	Copy	CPT-4	WB-1	PT-1	PT-1	PT-11**	PT-1	ACT-1	9'-0" A.F.F.	
220	Corridor	CPT-4	WB-1	Exist	Exist	Exist	Exist	Exist		
221	Corridor	CPT-4	WB-1	Exist	Exist	Exist	Exist	Exist		
222-250										
251	Women's	T-1	WB-4	PT-1	PT-1	PT-1	PT-1	Exist		
252	Clos.	T-1	Exist	PT-1	PT-1	PT-1	PT-1	Exist		
253	Men's	T-1	WB-4	PT-1	PT-1	PT-1	PT-1	Exist		
254	Clos.	T-1	Exist	PT-1	PT-1	PT-1	PT-1	Exist		
255	Captain	CPT-4	WB-1	PT-1	PT-2	PT-1	PT-1	ACT-2	9'-0" A.F.F.	
256	Exec L.t.	CPT-4	WB-1	PT-1	PT-1	PT-1	PT-2	ACT-2	9'-0" A.F.F.	
257	Exec L.t.	CPT-4	WB-1	PT-1	PT-1	PT-1	PT-2	Exist		
258	Briefing	CPT-14	WB-1	PT-1	PT-6	PT-1	PT-6	ACT-1	9'-0" A.F.F.	
259	Office	CPT-4	WB-1	PT-1	PT-1	PT-1	PT-2	ACT-2	9'-0" A.F.F.	
260	Recharge	CPT-4	WB-1	PT-1	PT-6	N/A	PT-11	ACT-1, GYP, WD-2	9'-0" A.F.F. 8'-10" A.F.F.	
261	Report Room	CPT-4	WB-1	PT-1	PT-4**	GR-WC**	PT-4**	ACT-1	9'-0" A.F.F.	
262	Work	CPT-4	WB-1	PT-1	PT-4	PT-10	PT-4**	ACT-1	9'-0" A.F.F.	
263	Day Room	LVT-3, CPT-13*	WB-1	PT-1, PT-6	PT-6,C-1**	PT-1, C-1**	PT-11, T-5, T-6**	ACT-1	9'-0" A.F.F.	
264	Jan.	RST-1	WB-1	PT-1	PT-1	PT-1	PT-1	Open to Struc.		
265										
266	Corridor	CPT-4	WB-1	Exist	Exist	Exist	Exist	Exist		
267	Vestibule	CPT-2	WB-1	PT-1	PT-1	PT-1	PT-1	Exist		
268-300										
301	City Hall Open Office	CPT-16	WB-1	PT-1	PT-4**	PT-1	PT-1	Exist		
302	DT Training	CPT-16	WB-1	PT-1	PT-1	PT-1	PT-6	Exist		
303	Focus	CPT-16	WB-1	PT-1	PT-1	PT-2	PT-1	Exist		
304	Conf	CPT-7	WB-1	PT-1	PT-1	PT-1	PT-6	Exist		
305	Office	CPT-7	WB-1	PT-1	PT-2	PT-1	PT-1	Exist		
306	VR	CPT-16	WB-1	PT-1	PT-1	PT0	PT0	Exist		
307	Corridor	CPT-16	WB-1	PT-1	PT-1	PT-1	PT-1	Exist, ACT-1	9'-0" A.F.F.	
308	Electrical	Exist	Exist	Exist	Exist	Exist	Exist	Open to Struc.	Open to Struc.	
309	Wellness	CPT-16	WB-1	PT-1	PT-1	PT-5	PT-5	Exist	8'-0" A.F.F.	
310	Lacation	CPT-16	WB-1	PT-5**, PT-1	PT-5**	PT-1	PT-1	ACT-2	9'-0" A.F.F.	
311	Fitness- Open	RST-3	WB-1	PT-1	PT-6	PT-1	PT-1	Exist		
312	Corridor	CPT-16	WB-1	PT-1	PT-1	PT-1	PT-1	Exist		
313										
314	Janitor	RST-1	WB-1	PT-1	PT-1	PT-1	PT-1	Open to Struc.		
315										
316	Office	CPT-7	WB-1	PT-2**	PT-1	PT-1	PT-1	Exist		
317	Office	CPT-7	WB-1	PT-2**	PT-1	PT-1	PT-1	Exist		
318	Corridor	CPT-16	WB-1	PT-4**	PT-1	PT-1	PT-1	Exist		
319	Office	CPT-7	WB-1	PT-1	PT-1	PT-2**	PT-1	Exist		
320										
321	Office	CPT-7	WB-1	PT-1	PT-2**	PT-2**	PT-1	Exist		
322	Elec.	Exist	Exist	Exist	Exist	Exist	Exist	Open to Struc.		
323	Corridor	CPT-16	WB-1	PT-1	PT-4, PT-1	PT-4, PT-1, GR-WC	PT-4, PT-1	ACT-1	9'-0" A.F.F.	
324	Vest	CPT-11	WB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	8'-0" A.F.F.	
325	I.T.	Exist	Exist	PT-1	PT-1	PT-1	PT-1	Open to Struc.		
326	Toilet	Exist	Exist	PT-1	PT-1	PT-1	PT-1	Exist		
327	Toilet	Exist	Exist	PT-1	PT-1	PT-1	PT-1	Exist		
328	Toilet	Exist	Exist	PT-1	PT-1	PT-1	PT-1	Exist		
329	Storage	CPT-16	WB-1	PT-1	PT-1	PT-1	PT-1	Open to Struc.		
330	Corridor	CPT-16	WB-1	PT-1	PT-1	PT-1	PT-1	Exist		
331	Storage	Exist	Exist	PT-1	PT-1	PT-1	PT-1	Exist		
332	Vestibule	CPT-11	WB-1	PT-1	PT-1	PT-1	PT-1	ACT-1		
333	Tech	RST-1	WB-1	PT-1	PT-1	PT-1	PT-1	Open to Struc.		
334	Storage	CPT-16	WB-1	PT-1	PT-1	PT-1	PT-1	Exist		
335	Catering	RST-1	WB-1	FRP-1, PT-1	FRP-1, PT-1	FRP-1, PT-1	FRP-1, PT-1	ACT-6	9'-0" A.F.F.	
336	Community Room	CPT-11	WB-1	PT-5, Glazing See Elev.**	PT-1	PT-5,PT-6**	PT-1	ACT-1, GYP	12'-0" A.F.F 10'-0" A.F.F.	
336-B	Community Room-B	CPT-11	WB-1	PT-5, Glazing See Elev.**	PT-1	PT-5,PT-6**	PT-1	ACT-1, GYP, Exist Light Panels	12'-0" A.F.F., 10'-0" A.F.F	
336-C	Community Room-C	CPT-11	WB-1	PT-5, Glazing See Elev.**	PT-1	PT-5,PT-6**	PT-1	ACT-1, GYP, Exist Light Panels	12'-0" A.F.F, 10'-0" A.F.F.	
337	Stor	CPT-10	WB0	PT-1	PT-1	PT-1	PT-1	Open to Struc.		
338	Stor	CPT-9	WB1	PT0	PT0	PT0	PT0	Open to Struc.		
339	Brodcasting Rm	CPT-16	WB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	9'-0" A.F.F.	
340										
341	Furniture Storage	CPT-11	WB-1	PT-1	PT-1	PT-1	PT-1	Open to Struc.		
342										
343										
344	Electrical	Exist	Exist	Exist	Exist	Exist	Exist	Open to Struc.		
345										
346	Toilet	Exist	Exist	PT-1	PT-1	PT-1	PT-1	Exist		
346B	Shower	T-1	WB-4	PT-1	PT-1	PT-1	PT-1	GYP	8'-0" A.F.F.	
347	Fitness-Equipment	RST-2	WB-1	PT-10**	PT-4**, PT-1	PT-1	PT-4**, PT-1	Open to Struc.		
348-362										
363	Toilet	Exist	Exist	PT-1	PT-1	PT-1	PT-1	Exist		
363B	Shower	T-1	WB-4	PT-1	PT-1	PT-1	PT-1	GYP	8'-0" A.F.F.	
364										
365	Corridor	CPT-16	WB-1	PT-1	PT-1	PT-1	PT-1	Exist		
366	Closet	Exist	Exist	Exist	Exist	Exist	Exist	Exist		
367	Lobby	CPT-11, CPT-16	WB-1	PT-1	GR-WC**	PT-1	WC-1**	GYP, WD-4	10'-6" A.F.F	
368	Men	T-1	WB-4	PT-1	PT-1	PT-1	PT-1	Exist		
369	Women	T-1	WB-4	PT-1	PT-1	PT-1	PT-1	Exist		
370										
371	Closet	T-1	Exist	PT-1	PT-1	PT-1	PT-1	Open to Struc.		
S-1	Stair	Exist	Exist	PT-1	PT-1	PT-1	PT-1	Exist		
S-2	Stair	ST-1, RB-1	WB-1	WC-1**	N/A	WC-1**	GR-WC	ACT-1	22'-6" A.F.F.	
S-5	Stair	Exist	Exist	PT-1	PT-1	PT-1	PT-1	Exist		

9/8/25 - BIMcloud: Intersect AC27 Teamwork Server - BIMcloud Basic for Archicad 27/23046 Kzoo Crosstown/23046 Kzoo Crosstown Facility

Intersect

City of Kalamazoo - Crosstown Facility
CPED & KDPS Workplace Renovation
150 E Crosstown Parkway Kalamazoo MI 49001

NOT FOR REGULATORY APPROVAL, PERMITTING, OR CONSTRUCTION

Bid Set	08/21/2025
Site Plan Review	07/31/2025
DD Set	07/03/2025

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Project Number: 23-046

Room Finish Schedule

I402

STRUCTURAL ABBREVIATION INDEX	
ABBREV.	ITEM
A/E	Architect/Engineer
AB	Anchor Bolt/Column Anchor Rod
ACIP	Augered Cast In Place
AESS	Architecturally Exposed Structural Steel
AFF	Above Finished Floor
ALT	Alternate
AP	Anchor Plate
ARCH	Architectural
BB	Bond Beam
BC	Bottom Chord
BCX	Bottom Chord Extension
BFF	Below Finished Floor
BL	Brick Ledge
BM	Beam
BO	Bottom of
BOS	Bottom of Steel
BP	Bearing Plate
BRG	Bearing
BT	Bent
C/C	Center-to-Center
CANT	Cantilever
CBP	Column Base Plate
CFMF	Cold Formed Metal Framing
CFMT	Cold Formed Metal Truss
CJ	Construction Joint
CJ	Contraction Joint
CJ	Control Joint
CJP	Complete Joint Penetration Weld
CL	Centerline
CLR	Clear
CMU	Concrete Masonry Unit
COL	Column
CONC	Concrete
CONN	Connection, Connect
CONT	Continuous
COORD	Coordinate
DA	Deck Angle
DB	Deck Bar
DBE	Deck Bearing Elevation
DIA, Ø	Diameter
DP	Deck Plate
DWG	Drawing(s)
EA	Each
EF	Each Face
EL	Elevation
EQ	Equal
ES	Each Side
EW	Each Way
EX	Existing
EXP	Expansion
EXT	Exterior
FD	Floor Drain
FDN	Foundation
FF	Finished Floor
FFE	Finished Floor Elevation
FP	Foundation Pier
FS	Far Side
FTG, F	Footing
FV	Field Verify
GA	Gauge
GALV	Galvanized
GB	Grade Beam
GS	Grout Solid
GT	Girder Truss
HD	Hold Down Anchor
HORZ	Horizontal
HP	High Point
HS	Headed Stud
HT	Height
ID	Inside Diameter
IF	Inside Face

STRUCTURAL ABBREVIATION INDEX	
ABBREV.	ITEM
INT	Interior
JB	Joist Bearing Elevation
L	Lintel
L	Angle
LAT	Lateral
LD	Load
LF	Linear Foot
LG	Long
LLH	Long Leg Horizontal
LLV	Long Leg Vertical
LOC'N	Location
LP	Low Point
LT	Light
LW	Long Way
LWB	Laminated Wood Beam
MAX	Maximum
MCJ	Masonry Control Joint
MECH	Mechanical
MIN	Minimum
NS	Near Side
NTS	Not To Scale
O/O	Out-to-Out
OC	On-Center
OD	Outside Diameter
OF	Outside Face
OFD	Overflow Drain
OH	Opposite Hand
P	Pier
PAF	Power Actuated Fastener
PC	Precast
PEMB	Pre-Engineered Metal Building
PERP	Perpendicular
PL	Plate
PT	Pressure Treated
R, RAD	Radius
RD	Roof Drain
RE:	Reference, Refer to
REINF	Reinforce
REM	Remainder
REQ'D	Required
RMW	Reinforced Masonry Wall
RTU	Roof Top Unit
RXN	Reaction
SC	Slip Critical
SF	Step Footing
SIM	Similar
SIP	Structural Insulated Panel
SOG	Slab On Grade
SPCS	Spaces
SS	Stainless Steel
SST	Simpson Strong Tie
STL	Steel
SW	Short Way
T&B	Top and Bottom
TC	Top Chord
TCX	Top Chord Extension
TO	Top of
TOB	Top of Beam
TOF	Top of Footing
TOL	Top of Ledge
TOM	Top of Masonry
TOS	Top of Steel
TOW	Top of Wall
TYP	Typical
UNO	Unless Noted Otherwise
VERT	Vertical
w/	With
w/o	Without
WF	Wall Footing
WP	Working Point
WWF	Welded Wire Fabric

GENERAL FOUNDATION AND CONCRETE NOTES

1. The contractor shall implement all requirements and recommendations stated in the geotechnical engineer's report by SME, entitled "City of Kalamazoo Crosstown Facility", dated May 23, 2025. SME Project number 099378.00.
2. It is strongly recommended that the geotechnical engineer of record that produces the report be retained to provide the soils testing and inspections during construction.
3. Fill material shall be thoroughly compacted prior to placement of concrete. Fill under all slabs on grade shall be as recommended in the geotechnical report. If there is no geotechnical report, a minimum of 6" of well draining granular material shall be placed under all slabs on grade (UNO elsewhere in the construction documents).
4. Unless otherwise noted, a 15 mil, ASTM E 1745 Class A vapor barrier, with a permeability rate of 0.01 perms or lower, shall be placed under all slabs on grade after under floor work and compaction is complete. Seal all laps and penetrations. Turn up vapor barrier against wall at all slab edges.
5. All building slabs are structural slabs and shall not have control/construction joints.
6. Provide diagonal reinforcing (across each corner) of openings in foundation walls and slabs as follows: (1)-#4 x 44" for each 4" of concrete thickness.
7. Coordinate finish of all foundation work, including slabs on grade, with architectural and flooring supplier's requirements.
8. Lap all reinforcing as indicated in "Reinforcement Development and Lap Splice Lengths" detail. Provide corner bars for all horizontal reinforcing. Provide dowels from footing equal in size and number to vertical wall or pier reinforcing (UNO).
9. Cover for reinforcing shall be in accordance with ACI-318.
10. All exposed edges of concrete piers, beams, and walls shall be chamfered 3/4" x 45 degrees. UNO
11. Provide beam pockets in foundation walls where needed. Fill pockets with concrete after beams are set.
12. Grade beams and walls that retain earth on both sides shall be backfilled on both sides simultaneously.
13. Do not backfill earth retaining walls until concrete has reached 75% of its required 28 day strength, and all bracing elements are in place (lower and upper floors).
14. Coordinate placement of column anchor rods with foundation reinforcing. All column anchor rods shall be installed using templates and setting drawings. No tilted or misplaced bolts will be accepted. Notify Architect/Engineer for approval of any corrective action. Tolerances for the installation of the anchor bolts shall be in accordance with AISC "Code of Standard Practice" guidelines.
15. Welded wire fabric shall conform to ASTM A185. Wire fabric reinforcement must lap one full mesh plus 2" at side and end laps, but not less than 6", and shall be wire tied together.
16. Anchors for embedded plates shall be as shown on the drawings. Headed studs shall conform to ASTM A108 and AWS D1.1 Grade B. Reinforcing bars to be welded to plates shall be ASTM A615 Grade 40 or ASTM A706 Grade 60.
17. Refer to "General Structural Notes" for information regarding special inspections and installation of post installed anchors.
18. Foundation walls and slabs on grade are designed for a dry condition. Buildup of hydrostatic water pressure on walls or slabs is not permitted, and drainage shall be provided per the design requirements of non-structural design trades to prevent this condition from occurring.

GENERAL POST INSTALLED ANCHOR NOTES

1. Post installed anchors shall only be used where specified on the construction documents. The contractor shall obtain approval from the Architect prior to installing post installed anchors in place of missing or misplaced cast-in-place anchors.
2. Unless otherwise noted in the drawings all post installed anchors are based on Hilti Corporation product information.
3. If the contractor wants to submit an alternate anchor they must provide sealed calculations atleast 2 weeks prior to product use. These calculations must show that the strength of the substituted anchor meets or exceeds the strength of the specified anchor at each application in the project where a substituted anchor is proposed, with consideration for combined stress and any applicable reduction factors.
4. Within contract documents adhesive anchors may be generically referred to as epoxy anchors, where this occurs substitute the word epoxy with adhesive.
5. Adhesive anchors shall be installed in concrete having a minimum age of 21 days at time of anchor installation.
6. Mechanical anchors shall be installed in concrete having a minimum age of 7 days, and concrete having met minimum concrete compressive strength (f'c).
7. Anchorage to concrete shall be done by either expansion anchors or adhesive anchors.
8. Anchorage to solid masonry shall be done by either adhesive anchors or screw anchors see details for specific use.
9. Anchorage to hollow or multi-wythe masonry shall be done with screen anchors.
10. Provide ICC approved adhesive anchors based on the following:
    A. Concrete Anchors -
        - Automatic hole cleaning Hilti HIT-RE 500-V3 with HAS threaded rod or Hilti HIT HY 200 Safe Set with HY200 HAS threaded rod
        - No hole cleaning - Hilti HIT HY 200 Safe Set with HIT-Z or HIT-Z-R threaded rods.

    B. Masonry anchor - Hilti HIT HY 270 with HAS-E rods
11. Provide ICC approved mechanical anchors based on the following:
    A. Torque Control (TC) anchor - Hilti Kwik bolt TZ2
    B. Sleeve anchor - Hilti HLC Sleeve anchor
    C. Screw anchor - Hilti Kwik HUS-EZ
12. See specifications for specific product information and installation instructions, and drawings for application use.
13. All installations shall be done by an individual certified by the manufacturer. Certifications shall be submitted to the special inspector prior to commencement of work.
14. All anchors shall be inspected as described in specifications.
15. Anchor capacity is dependant on anchor spacing and edge distances. Install bolts as detailed.
16. If anchors cannot be installed as detailed notify Architect for alternate connection detail.
17. Existing reinforcing bars in the concrete may conflict with specific anchor locations. Unless noted otherwise those bars are not to be cut. The contractor shall review the drawings and undertake a method to locate such bars.

CONCRETE MASONRY NOTES

1. Concrete masonry units shall conform to ASTM C90, below grade units shall be medium or normal weight.
2. Mortar shall conform to ASTM C270, and shall be made with Type I portland cement/lime or mortar cement. Mortar shall be Type S.
3. Grout shall conform to ASTM C476.
4. Reinforcing bars shall conform to ASTM A615, Grade 60, unless noted.
5. Where existing masonry is removed and replaced reuse or match existing anchorage of masonry back to existing concrete. If no anchorage provided provide new anchor at each head joint for vertical connection, and a new anchor at 16" oc at horizontal connections.
6. Provide layout shop drawings indicating lap splices, rebar spacing, bond beams, grout lifts, etc.
7. Horizontal joint reinforcing (continuous wire reinforcing) shall be hot-dipped galvanized ladder type fabricated units with a single pair of 9 gage side rods and 9 gage cross rods at 16" oc fabricated from cold drawn steel wire complying with ASTM A82.
8. Horizontal joint reinforcing shall be spaced at 16" oc in all masonry walls and shall be lapped 8", unless noted otherwise on the drawings.
9. No chases, risers, conduits or toothing of masonry shall occur in masonry walls within 18" of centerline of beam bearing.
10. When a foundation dowel does not line up with a vertical block core it shall not be sloped more than 1 horizontal in 6 vertical. Dowels may be grouted into a cell adjacent to the vertical wall reinforcing.
11. Reinforcing shall be secured in place before grouting starts.
12. Vertical bars shall be held in position at top and bottom of grout lifts, and at intervals not exceeding 200 diameters of the reinforcing bar.
13. Vertical cells that will be grouted shall have a vertical alignment to maintain a continuous unobstructed cell area not less than 3" x 4".
14. If high lift grouting is selected, cleanouts shall be provided at the base of each reinforced cell and at intervals as prescribed by ACI 530.1 (Section 3.2F).
15. Consolidate grout lifts greater than 12" by mechanical means and reconsolidate by mechanical means after initial water loss and settlement. Lifts less than 12" may be consolidated by puddling or by mechanical means.
16. All bolts, anchors, etc. inserted into the walls shall be grouted solidly into position.
17. Joist and beam bearing plates shall be centered on the member that they support, within a tolerance of 1" on either side of the member centerline.
18. Provide "Dur-O-Stop" grout screens (or equal) to terminate grout pours over open cells below, such as at bond beams.
19. Coordinate bond beam locations with Architectural & Structural drawings.
20. The masonry has been engineered, and shall be inspected in accordance with chapter 1 of TMS 402/ACI 530/ASCE 5 (Building Code Requirements for Masonry Structures). A minimum Level B Quality Assurance program is required (Level C for essential facilities). Periodic inspection shall be performed daily with a minimum of one inspection for every 1,500 square feet or portion thereof.
21. Masonry has been designed and shall be built in conformance to TMS 402/ACI 530/ASCE 5 (Building Code Requirements for Masonry Structures) and TMS 602/ACI 530.1/ASCE 6 (Specifications for Masonry Structures).
22. Contractor shall design and provide all temporary bracing required for strength and stability of the masonry throughout construction. At a minimum, comply with OSHA and local requirements for temporary bracing of walls.

CONCRETE MASONRY SPEC NOTES

1. Provide vertical control joints in all CMU walls at a maximum spacing of 24' or two times the wall height, whichever is less. Coordinate joint locations with the bearing plate layout such that no joint is located within 16" from the centerline of a bearing plate. Joint reinforcing shall be stopped either side of vertical joints.
2. Provide solid masonry or fill cores of block under all beam and lintel bearing points down to concrete wall or footing below.
3. All reinforced cells shall be grouted solid.
4. Spliced reinforcing shall be lapped 48 times the bar diameter, in inches.
5. Vertical reinforcing bars shall have a minimum clearance of 3/4 of an inch from the masonry and not less than one bar diameter between bars.
6. Grouting shall be stopped 1.5 inches below the top of a course so as to form a key at the pour.
7. Bond beams are intended to be open-cell with "Dur-O-Stop" or equivalent grout stop below. Vertical reinforcing shall extend through or into bond beam. All bond beams shall be filled with grout. Refer to Architectural & Structural drawings for locations.

GENERAL STRUCTURAL NOTES

1. All work shall be performed in accordance with the contract documents. In case of a conflict within the contract documents, the more stringent condition shall govern, unless directed otherwise by the engineer of record. Prior to implementation, any discrepancies shall be reported to the architect for clarification.
2. In the event that certain details of construction are not indicated or noted in the drawings, details for similar conditions that are indicated or noted shall be utilized, subject to the structural engineer's approval.
3. Openings and penetrations through structural elements, and items embedded in structural elements that are not indicated in the structural drawings shall be reviewed by the structural engineer prior to fabrication, erection and/or construction.
4. Materials or equipment shall not be placed on unfinished floors or roofs in excess of 20 psf nor on finished floors in excess of the design live loads which are indicated in the structural drawings. Impact loading shall be avoided.
5. The structure has been designed for the in-service loads only. The methods, procedures and sequences of construction are the responsibility of the contractor. Contractor shall take all necessary precautions to maintain and ensure the integrity of the structure at all stages of construction. Contractor shall immediately notify the structural engineer of any condition which, in his opinion, might endanger the stability of the structure or cause distress in the structure.
6. All existing conditions and all related dimensions indicated in the contract documents shall be field verified prior to fabrication, erection and/or construction. Any condition that differs from that indicated in the contract documents shall be submitted to the architect for review prior to fabrication, erection and/or construction.
7. The structure has been designed to meet or exceed serviceability requirements of section 1604.3 of the Michigan Building Code. All non-structural components & their connections that are anchored to the structure shall be designed to allow for the movement of the structure caused by wind, snow, live, thermal, shrinkage/creep and earthquake loads. Non-structural components include items such as non-load bearing walls, MEP components, bulkheads, etc.
8. Provide special inspection in accordance with chapter 17 of the Michigan Building Code and with project specifications.
9. Unless noted otherwise, all loads specified in these documents are nominal loads and are to be entered into the appropriate strength or allowable stress design load combinations with appropriate factors, as defined by ASCE 7, by the building component engineer in the design of their product. Gravity load shear beam reactions on plan for steel framing represent the combined service load effect from allowable stress design load combinations.
10. Post installed anchors shall be the specific product indicated. Where product substitutions are desired, they shall be submitted to engineer for review & approval a minimum of 2 weeks prior to planned installation. Adhesive anchors shall be installed using products that are approved by the supplier for all temperature considerations. Installation shall be in accordance with suppliers published installation instructions.
11. Copies or reproductions of architectural or structural drawings and details will not be accepted as shop drawings. Submittals received as such will not be reviewed and will be rejected.

LIGHT GAUGE METAL FRAMED WALL FRAMING NOTES

1. It is the contractor's responsibility to design and detail all light gauge metal framing (studs, rafters, joists, etc) and their connections in accordance with the current local building code and AISI's Standards and Specifications. Provide shop drawings that indicate all member sizes and connection requirements including fasteners and clips. Shop drawings shall be sealed by a registered engineer in the state of Michigan for Architect's review.
2. Light gauge metal stud sizes shown on plans & details are based on metal stud industry standards.
3. Where stud depth, width, or thickness is indicated on drawings it shall be considered a minimum requirement.
4. Provide minimum 43 mils studs where stud framing acts as backup for masonry veneer.
5. Where metal studs provide backup for metal panel or other specialty finish material, the construction manager and stud supplier shall verify/coordinate minimum stud gauge thickness requirements with the supplier of the wall finish material. The metal panel/finish supplier may have minimum thickness requirements that must be met with stud backup.
6. At openings in framed walls, all headers, sills, jamb studs, and related connections shall be designed to transfer wind and gravity loads to the supporting primary structure.
7. Studs shall be securely attached to track components at the top and bottom of the wall assembly. Stud ends shall be seated tightly in all load-bearing walls.
8. Fasteners along edges in shear panels shall be placed not less than 3/8 inch in from panel edge.
9. Plywood/OSB sheathing shall be fastened to studs with No. 8 flat head screws with a minimum head diameter of 0.292 inches.
10. Metal framing shall be fastened together with minimum #8 wafer head self drilling screws.
11. Vertical reinforcing shall extend through or into bond beam. All bond beams shall be filled with grout. Refer to Architectural & Structural drawings for locations.

STEEL NOTES

1. Structural steel shall be finished as follows:
    A. Non-fireproofed interior steel shall be shop painted with min. 1.5 mil dry film thickness of a rust inhibiting primer.
    B. Unless noted otherwise, exterior exposed steel, including veneer relief angles & bike storage framing, shall be:
        - Galvanized and prepared for paint

    C. Refer to lintel schedule for finish requirements of lintels.
2. Coordinate metal deck attachment method with base material shape and thickness (joist, beam, or truss). Alternately, the Construction Manager and Steel Subcontractor shall work together to ensure proper base materials are provided, such as steel joist top chord shapes, that are adequate for the preferred attachment method.
3. Erector is to provide temporary bracing sufficient to hold frame in position until all construction necessary for building stability is complete.
4. Beam and lintel bearing on concrete and masonry wall shall be 8" unless otherwise shown. Provide beam bearing plates and wall anchors as required.
5. All bolted moment, brace frame, and truss connections shall be done with slip critical bolts including the gravity shear connection. Slip critical joints shall be prepared with a Class A faying surface, and oversized holes in slip critical joints may be used at the fabricator's option.
6. Bolted connections not specified to be slip critical shall be tightened snug tight (all metal surfaces in contact).
7. Where aluminum or steel will contact dissimilar metals, protect against galvanic action by painting contact surfaces with primer and applying sealant or tape, or by installing nonconductive spacers as recommended for this purpose.
8. All gusset plates to be minimum 3/8" thick. Unless noted otherwise, all column and beam web stiffeners and gusset plates shall be 3/8" thick.
9. Miscellaneous steel supplier shall submit shop drawings for all miscellaneous steel stairs, designed and sealed by an engineer registered in the state of Michigan, for review. Coordinate construction details and dimensions with architectural information. Coordinate and detail connections to the primary structural framing with the steel fabricator, and refer to the typical stair stringer/header support detail for support of the main stair elements at CMU or concrete walls.
10. Unless otherwise shown on plans, provide lintels for masonry walls as follows:
    For 6" Walls (2)L3-1/2x2-1/2x5/16, spans to 6'-0"
    For each 4" of wall thickness:
    (1)L3-1/2x31/2x1/4, SPANS TO 4'-0"
    (1)L4x3-1/2x5/16, SPANS TO 6'-0"
    (1)L5x3-1/2x5/16, SPANS TO 8'-0"

ENGINEERING DATA

Design soil bearing pressure	Helical piers @ building footings
	15k Compression Allowable
	10k Tension Allowable
	1500 psf @ site footings
Design stresses	
Concrete	
Footings and Foundations	f'c = 3500 psi
Slabs on metal deck	f'c = 4500 psi
Interior structural slabs	f'c = 3500 psi
Exterior structural concrete (6% air)	f'c = 4000 psi
Reinforcing steel	Fy = 60000 psi
Steel	
W shapes	Fy = 50000 psi
Rectangular HSS shapes (A500 Gr. C)	Fy = 46000 psi
Round HSS & Pipe shapes (A500)	Fy = 42000 psi
All other shapes	Fy = 36000 psi
Structural bolts	ASTM A325
Anchor bolts/Column anchor rods	ASTM F 1554 - Grade 36
Welding electrode	E70XX
Masonry	
CMU	f'm = 2000 psi
Grout	f'c = 2250 psi
Reinforcing steel	Fy = 60000 psi
Light Gauge Framing	As required by design
Up to and including 43 mils	Fy = 33000 psi
54 mils and thicker	Fy = 50000 psi
Metal Deck	
Roof Deck	
1.5B	Fy = 33000 psi
Non-Composite deck (for deck)	
0.6C, 1.0C, & 1.3C	Fy = 60000 psi
Composite Deck	
2VL/VLI	Fy = 50000 psi
Structural design requirements	
Floor live load (LL reductions used where permitted by code)	
1st floor	100 psf
2nd floor	100 psf
Stairs	100 psf
Roof live load	20 psf
Risk Category	II
Roof snow load	
Ground snow load (Pg)	35 psf
Flat roof snow load (Pf)	
Building	25 psf + Drift
Canopies & Bike storage	30 psf + Drift
Snow exposure (Ce)	1.0
Snow load importance factor (I)	1.0
Thermal factor (Ct)	
Building	1.0
Canopies & Bike storage	1.2
Wind Load	
Ultimate design wind speed (3 sec)	107 mph
Wind exposure category	B
Internal pressure coeff (GCpi)	0.18
Components & cladding (varies)	
Wall stud design pressure	varies - per ASCE7
Earthquake	
Seismic importance factor, Ie	1.0
Spectral response	Ss = 0.116
	S1 = 0.054
	SDs = 0.124
	SD1 = 0.086
Site class	D
Seismic design category	B
Specific Design Loads	
Roof dead loads (canopies)	
Roofing (Adhered)	2
Insulation	4
Metal deck	3
Structure	5
Ceiling	3
M/E/P	3
	20 psf Total
Roof dead loads (Bike storage)	
Roofing (Adhered)	2
Metal deck	3
Structure	5
	10 psf Total
Design codes	
General building code	Michigan Building Code 2021
Concrete	ACI 318
Steel	AISC 360 - ASD
Masonry	TMS 402/ACI 530/ASCE 5
Cold Formed Metal Framing	AISI S100

CONCRETE MIX DESIGN PERFORMANCE SPECIFICATION TABLE (SHORT)												
		REQUIRED ADMIXTURES										
MIX TYPE	MIX DESCRIPTION	CHEMICAL	CEMENTITIOUS (% BY WEIGHT)	REQUIRED SULFATE RESISTANCE (NOTE 6)	MINIMUM FREEZE-THAW RESISTANCE	PERMEABILITY & CHLORIDE RESISTANCE	MAXIMUM ALLOWED CHLORIDE ION CONTENT (% BY WEIGHT OF CEMENT)	MAXIMUM ALLOWED 28-DAY SHRINKAGE (%)	MINIMUM COMPRESSIVE STRENGTH F'C (PSI) (NOTE 3)	MAX W/CM RATIO (NOTE 2)	AIR CONTENT (% +/- 1.5%)	MAX AGG SIZE (IN)	FIBROUS REINF DOSAGE (LB/CY) (NOTE 7)
2	FOUNDATIONS, GRADE BEAMS, BASEMENT WALLS		25% FLY ASH OR 30% GROUND BLAST FURNACE SLAG IS ACCEPTABLE	S0	F1	C1	0.3	-	3500	0.55	4.5	1	0
5	INTERIOR STRUCTURAL SLAB (NOTE 4)		20% SCM RECOMMENDED	S0	F0	C0	1	0.04	3500	0.45	NA	1.5 (ENG NOTE 8)	1.5
11	NORMAL-WEIGHT CONCRETE ON METAL DECK			S0	F0	C0	0.3	0.05	4500	0.45	6	1	0
16	EXTERIOR STRUCTURAL CONCRETE (NOTE5)			S1	F2	C0	0.3	-	4500	0.45	6	1	0

CONCRETE MIX DESIGN PERFORMANCE SPEC SCHEDULE NOTES:

1. All aggregates shall be clean uniformly grades from coarse to fine.
2. Water-reducing admixtures may be utilized to maintain water/cement ratio AND workability. Note that this may affect finish procedures.
3. F'c values shown are code minimums. Engineering data may require a high f'c as dictated by project design requirements. Higher compressive strength requirement shall govern mix design.
4. Coordinate admixtures and curing measures to be compatible with flooring materials and adhesives.
5. Exterior Structural Concrete only covers concrete structures outside the building footprint shown on structural drawings. It does not include any other discipline, including Civil. Course aggregate for this mix shall be crushed limestone.
6. See ACI 318 Table 19.3.2.1 for cementitious material restrictions, and Table 26.4.2.2(c) for maximum expansion strain limits.
7. Fibrous reinforcement basis of design is fibrillated polypropylene micro-fibers engineered and designed for use in concrete, complying with ASTM C1116/C1116M, Type III, 1/2 to 1 1/2 inches long.
8. See ACI 318 Table 26.4.2.2(b) for limits on cementitious materials for F3 exposure class.

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Intersect

City of Kalamazoo - Crosstown Facility
CPED & KDPS Workplace Renovation
150 E Crosstown Parkway Kalamazoo MI 49001

Bid Set 08/21/2025
ISSUE DATES

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Project Number: 23-046

STRUCTURAL NOTES

S001

STRUCTURAL SPECIAL INSPECTION SCHEDULE (2021 IBC - Chapter 17)

row #	ITEM	CONT[2]	PERIODIC[2]	REFERENCE STANDARD	NOTES
1	PRE-FABRICATED CONSTRUCTION (1704.2.5)				3&4
2					
3	STRUCTURAL STEEL CONSTRUCTION (1705.2)				13
4	Verify Bolt, Nut & Washer Materials		X	ASTM specs/AISC 360 - A3.3	
5	Inspect Bearing-type Connections		X	AISC 360 - M2.5, Table N5.6 - 1/2/3	
6	Inspect Slip-critical Connections	X		AISC 360 - M2.5, Table N5.6 - 1/2/3	5
7	Verify Structural Steel Materials		X	ASTM A 6/ASTM A 568	
8	Verify Weld Filler Materials		X	AISC 360 - A3.5	
8	At all trusses, verify that permanent truss bracing is in accordance with approved building plans & BCSI 1-13.				
9	Partial / Complete Penetration Welds, Multipass Fillet Welds, Single-pass Fillet Welds > 5/16"	X		AWS D1.1	6&7
10	Single-pass Fillet Welds ≤ 5/16", Anchor / Stud Welds, Stair / Railing Welds		X	AWS D1.1	6
11	Inspect Steel Frame Joint Details		X		
12					
13	COLD FORMED STEEL DECK (1705.2.2)			SDI QA/QC, AWS: B5.1, D1.1, D1.3	
14	Verify compliance of deck and all deck accessories materials and installation with construction documents, including profiles . Verify deck materials are represented by the mill certifications that comply with the construction drawings		X	Applicable ASTM material standards	
15	Welding procedure specifications (WPS), manufacturer certifications for welding consumables and/or manufacturer installation instructions for mechanical fasteners available		X		
16	Material identification (type/grade)		X		
17	Check welding equipment and/or proper tools available for fastener installation and proper storage for mechanical fasteners		X		
18	Use of qualified welders, WPS followed, environmental conditions and control and handling of consumables		X		
19	Fasteners are positioned as required and installed in accordance with manufacturer's instructions		X		
20	Verify size and location of welds, including support, sidelap and perimeter welds. Welds meet visual acceptance criteria		X		
20	Check spacing, type and installation of support, sidelap and perimeter fasteners		X		
20	Verify repair activities		X		
21					
28	CONCRETE CONSTRUCTION (1705.3)			ACI 318: Ch. 26	9
29	Inspect reinforcement, including prestressing tendons, and verify placement		X	ACI 318: Ch. 20, 25.2, 25.3, 26.6.1 - 26.6.3, 26.13	
30	Welding of Reinforcing Steel			AWS D1.4/ACI 318: 26.6.4, 26.13	8
31	Verification of weldability of reinforcing steel other than ASTM A 706		X	AWS D1.4/ACI 318 - 26.6, 26.13	
32	Reinforcing steel resisting flexural and axial forces in intermediate and special moment frames, and boundary elements of special structural walls of concrete and shear reinforcement.	X		AWS D1.4/ACI 318 26.6	
33	Shear reinforcement	X		AWS D1.4/ACI 318 26.6	
35	Other reinforcing steel		X	AWS D1.4/ACI 318 - 26.6, 26.13	
36	Embedded Bolts & Plates		X	ACI 318: 17.8.2, 26.13	
37	Verify Required Mix Design		X	ACI 318: Ch 19, 26.4.3, 26.4.4, 26.13 IBC: 1904.1, 1904.2	
38	Prior to concrete placement, fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete	X		ASTM C 172/ASTM C 31/ACI 318:26.5, 26.12, 26.13	
39	Concrete/Shotcrete Placement	X		ACI 318: 26.4, 26.5, 26.13 IBC: 1908	
40	Curing temperatures and techniques		X	ACI 318: 26.5.3 - 26.5.5, 26.13 IBC:1908.9	
44	Verify In-Situ Strength		X	ACI 318: 26.11.2, 26.12, 26.13	10
45	Formwork Shape, Location & Dimensions		X	ACI 318: 26.11.1.2(b), 26.13	
46	Post-Installed Anchor Placement			ACI 318: 17.8.2.4, 17.8.2, 26.13	11
47	Retaining Walls Bent Dowels Placement and Projection	X			
48					
60	MASONRY CONSTRUCTION (1705.4)			TMS 402/TMS 602/ACI 530/ASCE 5/ASCE 6	15,16
61	Proportions of Site-Prepared Mortar / Grout		X	TMS 602 - ART. 2.1, 2.6A, 2.6B, 2.6C 2.4G.1.b	
62	Mortar Joint Construction		X	TMS 602 - ART. 3.3B	
63	Reinforcement / Connector Placement		X	TMS 402 - SEC. 6.1, 6.2.1, 6.2.6, 6.1.7 & TMS 602 - ART. 3.2E, 3.4, 3.6A	
64	Size & Location of Structural Elements		X	TMS 602 - ART. 3.3F	
65	Type, Size & Location of Anchors		X	TMS 402 - SEC. 1.2.1(e), 6.2.1, 6.3.1 & TMS 602 3.2E, 3.4	
66	Size, Grade & Type of Reinforcement		X	TMS 402 - SEC. 6.1 & TMS 602 - ART. 2.4, 3.4, 3.6A	
67	Hot or Cold Weather Protection		X	TMS 602 ART. 1.8C, 1.8D	
68	Verify Clean Grout Space		X	TMS 602 ART 3.2D, 3.2F	
69	Grout Placement	X		TMS 602 ART 3.5	
70	Observe Preparation of: Test Specimens /Prisms		X	TMS 602 ART 1.4B.2.a.3, 1.4B.2.b.3, 1.4B.2.c.3, 1.4B.3, 1.4B.4	
71	Compliance w/ Const. Docs & Submittals		X	TMS 602 ART 1.5	
81					
117	SOILS (1705.6)				12
118	Verify materials below shallow foundations are adequate to achieve the deign bearing capacity		X		
119	Verify excavations are extended to proper depth and have reach proper material		X		
120	Perform classification and testing of compacted fill materials		X		
121	During fill placement, verify use of proper materials and procedures in accordance with the provisions of the approved geotechnical report. Verify densities and lift thicknesses during placement and compaction of compacted fill	X			
122	Prior to placement of compacted fill, observe subgrade and verify that site has been prepared properly		X		
125					
126	DEEP FOUNDATION ELEMENTS (1705.7, 1705.8, 1705.9)				
127	Inspect drilling operations and maintain complete and accurate records for each element	X			
128	Cast-in-place: Verify placement locations and plumbness, confirm element diameters, bell diameters (if applicable), lengths, embedment in bedrock (if applicable), and adequate end bearing strata capacity. Record concrete or grout volumes.	X			
129	Helical Piers: Verify equipment used, pile dimensions, tip elevations, final depth and final installation torque	X			
130	For concrete elements, perform tests and additional special inspections in accordance with Section 1705.3				
131	For steel elements, perform tests and additional special inspections in accordance with section 1705.2				
132					

STRUCTURAL SPECIAL INSPECTION SCHEDULE NOTES:

1. Items marked with an 'X' shall be inspected in accordance with chapter 17 of the building code by a certified special inspector from an established testing agency. For material sampling and testing requirements, refer to the project specifications and the specific general notes, sections. The testing agency shall send copies of all structural testing and inspection reports directly to the architect, engineer, contractor, and building official. Any items which fail to comply with the approved construction documents shall immediately be brought to the attention of the contractor for correction. If discrepancies are not corrected, they shall be brought to the attention of the building official, architect, and engineer prior to completion of that phase of the work. Special inspection testing requirements apply equally to all bidder designed components.
2. Continuous special inspection means the full-time observation of work requiring special inspection by an approved special inspector who is present in the area where the work is being performed. Periodic special inspection means the part-time or intermittent observation of work requiring special inspection by an approved special inspector who is present in the area where the work has been or is being performed and at the completion of the work. (sect 1702)
3. Special inspection is not required for work performed by an approved fabricator per section 1704.2.5.1.
4. Inspection for pre-fabricated construction shall be the same as if the material used in the construction took place on site. Continuous inspection will not be required during pre-fabrication if the approved agency certifies the construction and furnishes evidence of compliance.
5. Slip-critical connections may have periodic special inspection provided that direct tension indicators, twist-off bolts, or turn-of-the-nut method with match marking techniques are used.
6. All welds shall be visibly inspected.
7. All complete penetration welds shall be tested ultrasonically or by using another approved method.
8. Periodic special inspection is allowed for verification of the weldability of reinforcing steel other than ASTM A 706 and single pass fillet welds (maximum 5/16") in accordance with building code section 1705.3.1. Continuous special inspection is required for inspection of all other welds not included in the periodic special inspection requirements noted above.
9. Special inspection is not required for isolated spread footings (≤ 3 stories), non-structural slabs, foundation walls, patios, driveways and sidewalks provided the requirements of section 1705.3 are met.
10. Periodic special inspection is required for verification of in-situ concrete strength for post-tensioned concrete prior to tensioning tendons and for beams and structural slabs before removing shoring or forms.
11. Continuous special inspection is required for adhesive anchors installed in horizontally or upwardly inclined orientations to resist sustained tension loads in accordance with building code section 1705.3. Periodic special inspections is allowed for mechanical anchors and adhesive anchors not defined in the continuous special inspections requirements noted above. Post-installed anchors into masonry or concrete may be used only when approved by architect and/or engineer using an approved product with current published ICC-ES research report issued by an approved source in accordance with 17.8.2 in ACI318 or other qualification procedures.
12. Special inspection of soils shall reference the approved soils report to determine compliance.
13. Special inspection for structural steel shall be per AISC 303, Section 8 or the project contract documents, whichever is more stringent.
14. Any construction or material that has failed inspection shall be subject to removal and replacement.
15. UNO, reference masonry standards are TMS 402/ACI 530/ASCE 5 and TMS 602/ACI 530.1/ASCE 6.
16. MINIMUM TESTS:
    A. Verification of Slump flow and Visual Stability Index (VSI) as delivered to the project site in accordance with TMS 602 Specification Article 1.5B.1.b.3 for self-consolidation grout. Verification of f'm and f'AAC in accordance with TMS 602 Specification Article 1.4B prior to construction, except where specifically exempted by this code.
17. This table and notes represent code requirements for structural portions of the project and is not a complete representation of what may be required by chapter 17 of the building code. See chapter 17 and project specifications for additional requirements.

REINFORCEMENT DEVELOPMENT AND LAP SPLICE LENGTH - HORIZONTAL TOP BARS- UNCOATED

BAR SIZE	DEVELOPMENT LENGTH (ℓD)		LAP SPLICE LENGTH	
	CASE 1	CASE 2	CASE 1	CASE 2
#3	19"	28"	25"	37"
#4	25"	37"	33"	49"
#5	31"	47"	41"	61"
#6	37"	56"	49"	73"
#7	54"	81"	71"	106"
#8	62"	93"	81"	121"
#9	70"	105"	91"	136"
#10	79"	118"	102"	153"
#11	87"	131"	114"	170"

REINFORCEMENT DEVELOPMENT AND LAP SPLICE LENGTH - VERTICAL BARS AND HORIZONTAL BOTTOM BARS- UNCOATED

BAR SIZE	DEVELOPMENT LENGTH (ℓD)		LAP SPLICE LENGTH	
	CASE 1	CASE 2	CASE 1	CASE 2
#3	15"	22"	19"	28"
#4	19"	29"	25"	37"
#5	24"	36"	31"	47"
#6	29"	43"	37"	56"
#7	42"	63"	54"	81"
#8	48"	72"	62"	93"
#9	54"	81"	70"	105"
#10	61"	91"	79"	118"
#11	67"	101"	87"	131"

REINFORCEMENT DEVELOPMENT AND LAP SPLICE LENGTH NOTES:

1. HORIZONTAL BOTTOM BARS ARE HORIZONTAL BARS SO PLACED THAT 12" OR LESS OF FRESH CONCRETE IS CAST IN THE MEMBER BELOW THE DEVELOPMENT LENGTH OR SPLICE.
2. HORIZONTAL TOP BARS ARE HORIZONTAL BARS SO PLACED THAT MORE THAN 12" OF FRESH CONCRETE IS CAST IN THE MEMBER BELOW THE DEVELOPMENT LENGTH OR SPLICE.
3. CASE 1: CLEAR SPACING OF BARS BEING DEVELOPED OR SPLICED NOT LESS THAN Db, CLEAR COVER NOT LESS THAN Db, AND STIRRUPS OR TIES THROUGHOUT ℓd NOT LESS THAN THE CODE MINIMUM OR CLEAR SPACING OF BARS BEING DEVELOPED OR SPLICED NOT LESS THAT 2db AND CLEAR COVER NOT LESS THAN db.
4. CASE 2: OTHER CASES
5. CASE 3: EPOXY COATED REINFORCEMENT WITH COVER LESS THAN 3db, OR CLEAR SPACING LESS THAN 6db.
6. MULTIPLY VALUES SHOWN BY 1.3 FOR LIGHTWEIGHT CONCRETE.

WALL FOOTING SCHEDULE 1

MARK	LONGITUDINAL REINFORCING	TRANSVERSE REINFORCING	DOWELS (NOTE 2)	NOTE / DETAIL
WF3615	(3)#5	#4 @ 12"		13/S201

WALL FOOTING SCHEDULE NOTES:

1. WALL FOOTING SCHEDULE APPLIES TO INTERIOR AND EXTERIOR FOUNDATIONS. SEE PLANS AND DETAILS FOR ADDITIONAL INFORMATION.

FOOTING SCHEDULE

MARK	WIDTH	LENGTH	THICKNESS	REINFORCING EW	NOTES
F3.67	3' - 8"	3' - 8"	42"		EXISTING
F4x2	2' - 0"	4' - 0"	42"		EXISTING
F5.0	5' - 0"	5' - 0"	15"	(7) #4	

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STRUCTURAL SCHEDULES

S002

FOUNDATION PLAN NOTES

Wall footing callout example is as follows:

WF1812

Footing width "W" in inches — Footing thickness "T" in inches

See plan for actual sizes. See foundation details for additional information, including reinforcing and dowels.

1. Top of slab elevation = 100'-0" (match existing) unless noted thus (xx'-x") on plan. Slab shall slope uniformly between points of unequal elevation.
2. UNO on plan, slab on grade (SOG) shall be a structural slab as noted.
3. Top of interior footing elevation = 99'-4" unless noted thus (xx'-x") on plan.
4. Top of pile cap elevation = 96'-4" unless noted thus (xx'-x") on plan. Top of footing elevation = 97'-6" unless noted thus (xx'-x) on plan.
5. Top of pier elevation = 99'-0" unless noted thus (xx'-x") on plan.
6. Top of wall elevation see details.
7. Footings shall be centered under columns and walls unless detailed or dimensioned otherwise.
8. Refer to architectural drawings for all dimensions not indicated.
9. Refer to architectural drawings for all slab recesses.
10. Where structures are supported on spread footings they are to be isolated from the main building by either an expansion joint or other isolation material to keep the two structures from binding togther.
11. Remove and replace 12"x12" concrete pocket for new column to sit on existing grade beam. Top of grade beam 8" +/- BFF.
12. Take site wall footing over top of pile caps, and but into pier. At interface between wall & footing provide 30# building paper bond breaker. Also provide similar breaker at all curb to building/piers.
13. Structural slab plumbing penetrations:
    - A. Field locate all existing reinforcing bar locations by non-destructive test methods.
    - B. Removed concrete without cutting any reinforcing bars.
    - C. Any opening within the slab shall be outside the column bands which is approximately 8'-0" clear each way of every column line (vertical and horizontal).
    - D. The condition of the soil below the slab is unknown. It is recommended that a 24"x24" test hole be made to determine soil location below the slab, compaction, and bearing capacity.
    - E. Limit loading on slab within 20'-0" of access area to 20 psf live load until the concrete has been replaced and obtained 90% of compressive strength.
    - F. Any underground piping shall be done by bore below the slab through 24"x24" access hole to 24"x24" access hole.
    - G. When replacing slab clean the face of all exisitng slabs and rebar, and then apply bonding agent to concrete.
14. Construction loading on the slab shall be limited to 100 psf live load or a 2000# equipment load.
15. Provide 14"x14" lightpole pier w/ (4) #6 verticals & #3 ties @ 12" oc group top (6) @ 3".

HELICAL PIER NOTES

1. Helical piers shall be installed with a tolerance of 1" or less from locations shown. Piers installed outside of that tolerance will require additional piers.
2. Contractor to hold a contingency for re-engineering piers and caps to correct misplaced helical piers.
3. During pier installation if obstructions are encountered which will prevent installation of pier to required depth, notify A/E with corrective method.
4. The contractor shall provide 3 copies of installatiion records, showing location, date, length, torque value, and final tip elevation.
5. Contractor to provide sealed calculations and layouts for the delegated design and engineering required for all helical piers.
6. Foundations are designed for an allowable compressive load of 15 kips per helical pier, and an allowable tension load of 10 kips.
7. All helical piers to have a minimum ultimate compressive capacity of 30 kips, and an ultimate tension capacity of 30 kips.

EXISTING BUILDING NOTE:

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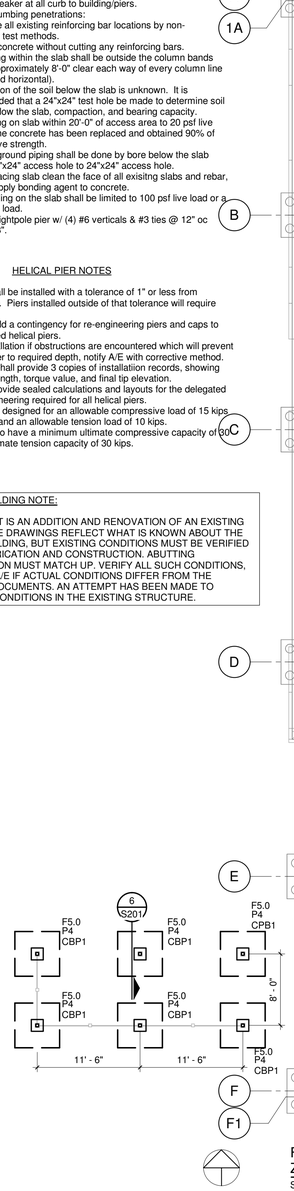

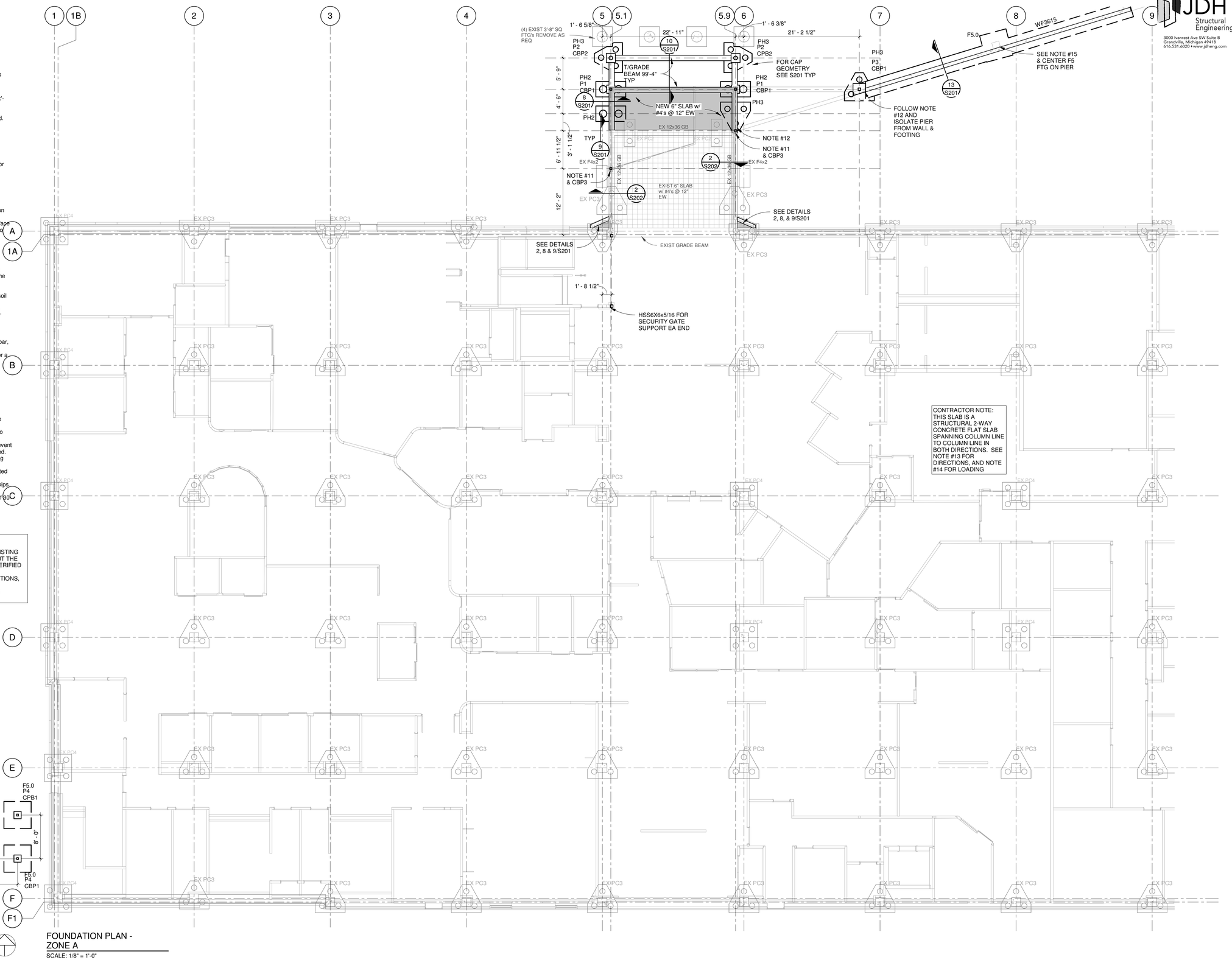

FOUNDATION PLAN - ZONE A

SCALE: 1/8" = 1'-0"

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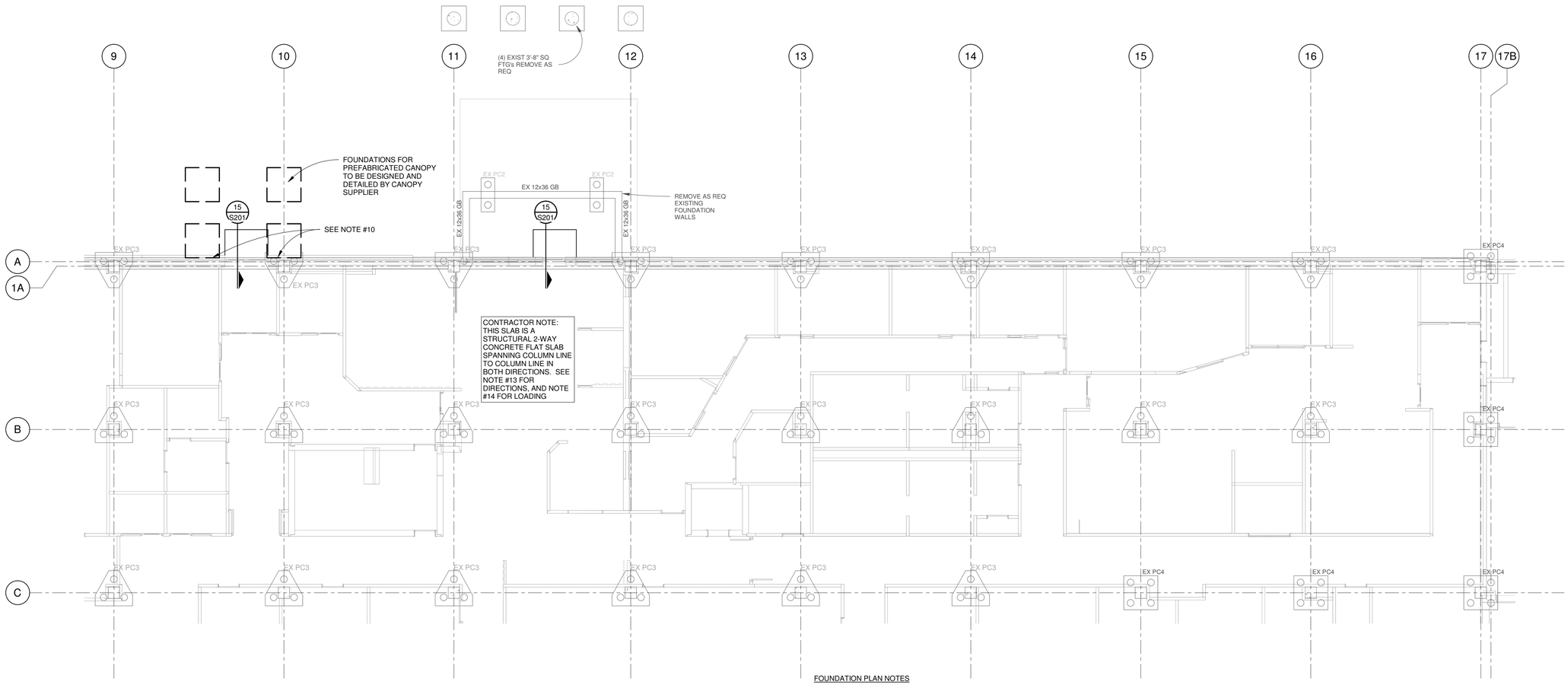
FOUNDATION PLAN - ZONE A

S100



FOUNDATION PLAN - ZONE B

SCALE: 1/8" = 1'-0"

FOUNDATION PLAN NOTES

Wall footing callout example is as follows:

WF1812

Footing width "W" in inches — Footing thickness "T" in inches

See plan for actual sizes. See foundation details for additional information, including reinforcing and dowels.

1. Top of slab elevation = 100'-0" (match existing) unless noted thus (xx'-x") on plan. Slab shall slope uniformly between points of unequal elevation.
2. UNO on plan, slab on grade (SOG) shall be a structural slab as noted.
3. Top of interior footing elevation = 99'-4" unless noted thus (xx'-x") on plan.
4. Top of pile cap elevation = 96'-4" unless noted thus (xx'-x") on plan. Top of footing elevation = 97'-6" unless noted thus (xx'-x) on plan.
5. Top of pier elevation = 99'-0" unless noted thus (xx'-x") on plan.
6. Top of wall elevation see details.
7. Footings shall be centered under columns and walls unless detailed or dimensioned otherwise.
8. Refer to architectural drawings for all dimensions not indicated.
9. Refer to architectural drawings for all slab recesses.
10. Where structures are supported on spread footings they are to be isolated from the main building by either an expansion joint or other isolation material to keep the two structures from binding togther.
11. Remove and replace 12"x12" concrete pocket for new column to sit on existing grade beam. Top of grade beam 8" +/- BFF.
12. Take site wall footing over top of pile caps, and but into pier. At interface between wall & footing provide 30# building paper bond breaker. Also provide similar breaker at all curb to building/piers.
13. Structural slab plumbing penetrations:
    - A. Field locate all existing reinforcing bar locations by non-destructive test methods.
    - B. Removed concrete without cutting any reinforcing bars.
    - C. Any opening within the slab shall be outside the column bands which is approximately 8'-0" clear each way of every column line (vertical and horizontal).
    - D. The condition of the soil below the slab is unknown. It is recommended that a 24"x24" test hole be made to determine soil location below the slab, compaction, and bearing capacity.
    - E. Limit loading on slab within 20'-0" of access area to 20 psf live load until the concrete has been replaced and obtained 90% of compressive strength.
    - F. Any underground piping shall be done by bore below the slab through 24"x24" access hole to 24"x24" access hole.
    - G. When replacing slab clean the face of all exisitng slabs and rebar, and then apply bonding agent to concrete.
14. Construction loading on the slab shall be limited to 100 psf live load or a 2000# equipment load.
15. Provide 14"x14" lightpole pier w/ (4) #6 verticals & #3 ties @ 12" oc group top (6) @ 3".

EXISTING BUILDING NOTE:

THIS PROJECT IS AN ADDITION AND RENOVATION OF AN EXISTING BUILDING. THE DRAWINGS REFLECT WHAT IS KNOWN ABOUT THE EXISTING BUILDING, BUT EXISTING CONDITIONS MUST BE VERIFIED BEFORE FABRICATION AND CONSTRUCTION. ABUTTING CONSTRUCTION MUST MATCH UP. VERIFY ALL SUCH CONDITIONS, AND NOTIFY A/E IF ACTUAL CONDITIONS DIFFER FROM THE CONTRACT DOCUMENTS. AN ATTEMPT HAS BEEN MADE TO ANTICIPATE CONDITIONS IN THE EXISTING STRUCTURE.

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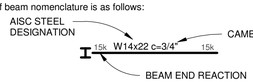
FOUNDATION PLAN - ZONE B

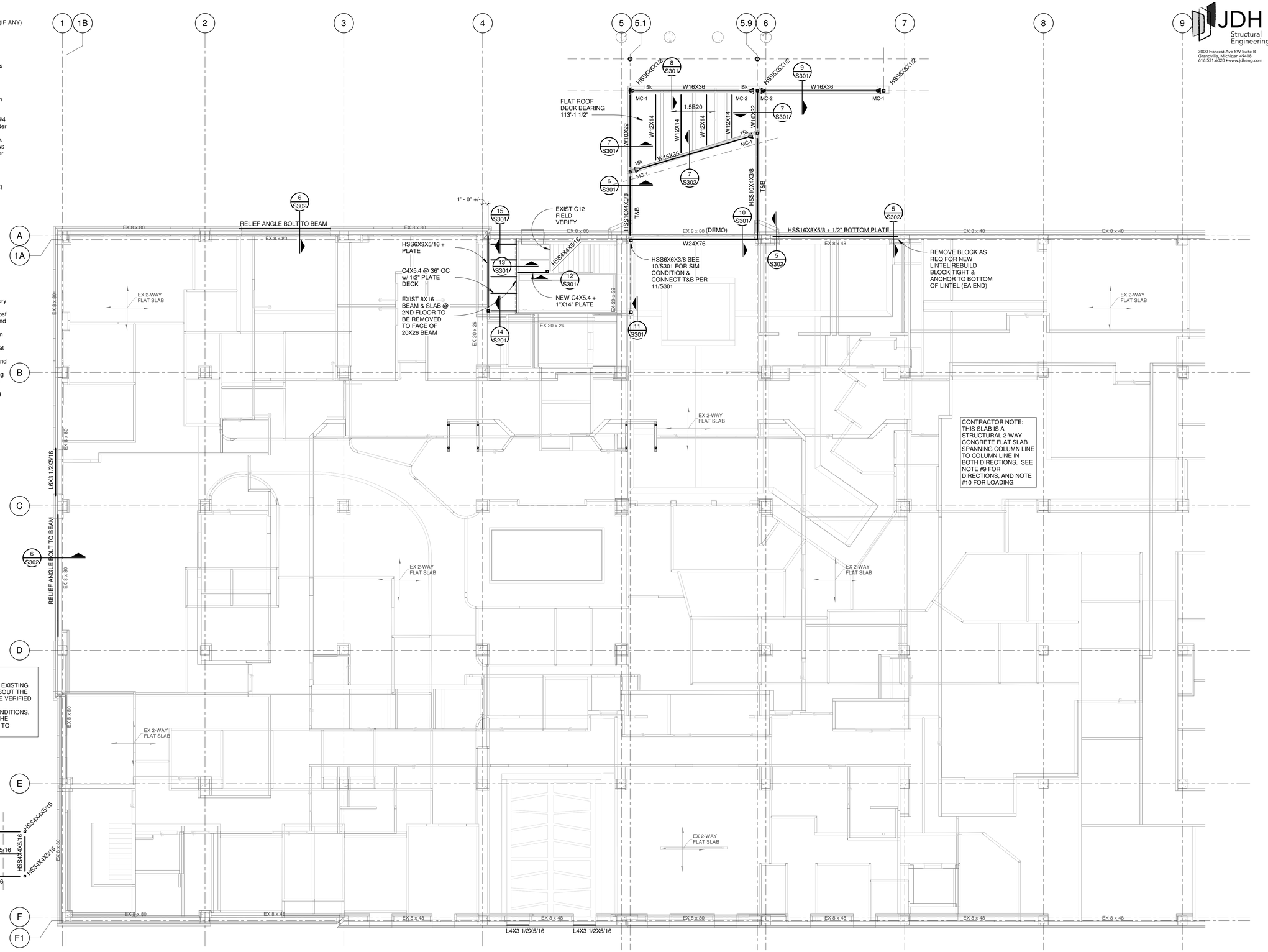
S101

ROOF FRAMING PLAN NOTES

Roof beam nomenclature is as follows:



1. Roof deck bearing elevation (DBE) = xxx'-x" unless noted thus (xxx'-x") on plan. Structure shall slope uniformly between points of unequal elevation.
2. Beams are equally spaced between grids or columns unless dimensioned otherwise.
3. Roof deck:
   - A. UNO, roof deck shall be galvanized metal deck, minimum 3 span continuous (or equivalent). Type and gauge of deck is as indicated below.
   - B. UNO, weld to supports shall be 5/8" puddle welds in a 36/4 pattern for 36" wide sheets. Alternate: Fasten with powder activated fasteners at the same spacing if permitted by joist supplier. Submit PAF size and type to A/E for review.
   - C. UNO, sidelap fasteners shall be #10 Buildex Traxx screws (or equivalent) between supports, spaced at 36" on center for spans over 5'-0" in length. No fasteners required for spans less than 5'-0".
   - D. UNO, at bearing ends of deck, weld deck edges to supports at each deck rib with 5/8" puddle weld.
   - E. UNO, at deck edges where deck runs parallel, provide (2) 5/8" puddle welds at each joist or beam. Where a continuous steel support has been provided, weld to supporting member with 5/8" puddle welds at 12" OC.
4. Lap ends of roof deck sheets 4" (min) over beams or joists.
5. ▶ indicates beam to column or thru beam moment connection. MCxx refers to moment connection # - see details.
6. RD indicates roof drain see 3/S301 for framing.
7. Design beams w/o reaction identified on plan for vertical allowable load of 10k.
8. 1.5Bxx indicates 1-1/2" wide rib metal roof deck. xx indicates the gauge of the deck.
9. Structural slab penetrations & hanging supports:
   - A. Field locate all existing reinforcing bar locations by non-destructive test methods.
   - B. Removed concrete without cutting any reinforcing bars.
   - C. Any opening within the slab shall be outside the column bands which is approximately 8'-0" clear each way of every column line (vertical and horizontal).
   - D. Limit loading on slab within 20'-0" of access areas to 20 psf live load until the concrete has been replaced and obtained 90% of compressive strength.
   - E. All penetrations through the slab shall be located between reinforcing. If larger openings are required structural reinforcing may be required, and will be determined at that time.
   - F. When replacing slab clean the face of all exisitng slabs and rebar, and then apply bonding agent to concrete.
   - G. When hanging materials from the underside or connecting to the top of slab, drill pilot hole to locate reinforcing, and adjust anchor location to miss reinforcing. Design and selection of anchor for AMEP equipment to be performed by equipment supplier.
10. Construction loading on the slab shall be limited to 100 psf live load or a 2000# equipment load.



EXISTING BUILDING NOTE:

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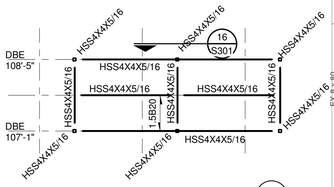
GALV ALL FRAMING INCLUDING BASE PLATES & ANCHORS



SECOND FLOOR FRAMING PLAN - ZONE A
SCALE: 1/8" = 1'-0"

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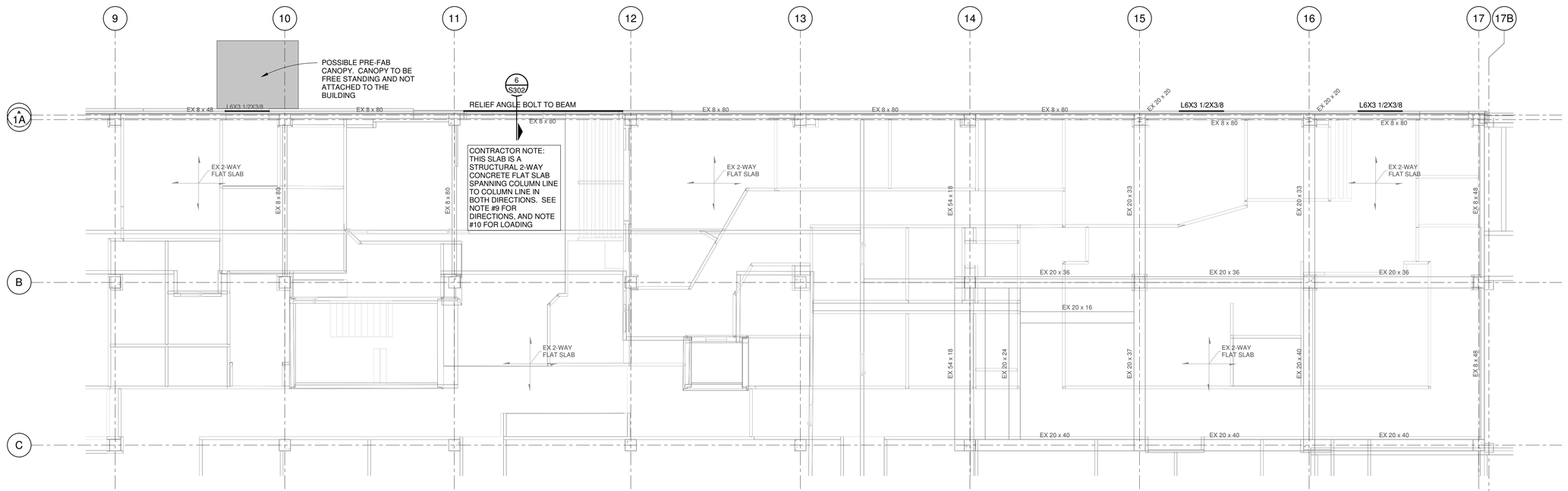
SECOND FLOOR FRAMING PLAN - ZONE A

S102



SECOND FLOOR FRAMING PLAN - ZONE B

SCALE: 1/8" = 1'-0"

ROOF FRAMING PLAN NOTES

Roof beam nomenclature is as follows:

1. Roof deck bearing elevation (DBE) = xxx'-x" unless noted thus (xxx'-x") on plan. Structure shall slope uniformly between points of unequal elevation.
2. Beams are equally spaced between grids or columns unless dimensioned otherwise.
3. Roof deck:
   - A. UNO, roof deck shall be galvanized metal deck, minimum 3 span continuous (or equivalent). Type and gauge of deck is as indicated below.
   - B. UNO, weld to supports shall be 5/8" puddle welds in a 36/4 pattern for 36" wide sheets. Alternate: Fasten with powder activated fasteners at the same spacing if permitted by joist supplier. Submit PAF size and type to A/E for review.
   - C. UNO, sidelap fasteners shall be #10 Buildex Traxx screws (or equivalent) between supports, spaced at 36" on center for spans over 5'-0" in length. No fasteners required for spans less than 5'-0".
   - D. UNO, at bearing ends of deck, weld deck edges to supports at each deck rib with 5/8" puddle weld.
   - E. UNO, at deck edges where deck runs parallel, provide (2) 5/8" puddle welds at each joist or beam. Where a continuous steel support has been provided, weld to supporting member with 5/8" puddle welds at 12" OC.
4. Lap ends of roof deck sheets 4" (min) over beams or joists.
5. ▶— indicates beam to column or thru beam moment connection. MCxx refers to moment connection # - see details.
6. RD indicates roof drain see 3/S301 for framing.
7. Design beams w/o reaction identified on plan for vertical allowable load of 10k.
8. ⌐ 1.5Bxx ⌐ indicates 1-1/2" wide rib metal roof deck. xx indicates the gauge of the deck.
9. Structural slab penetrations & hanging supports:
   - A. Field locate all existing reinforcing bar locations by non-destructive test methods.
   - B. Removed concrete without cutting any reinforcing bars.
   - C. Any opening within the slab shall be outside the column bands which is approximately 8'-0" clear each way of every column line (vertical and horizontal).
   - D. Limit loading on slab within 20'-0" of access areas to 20 psf live load until the concrete has been replaced and obtained 90% of compressive strength.
   - E. All penetrations through the slab shall be located between reinforcing. If larger openings are required structural reinforcing may be required, and will be determined at that time.
   - F. When replacing slab clean the face of all exisitng slabs and rebar, and then apply bonding agent to concrete.
   - G. When hanging materials from the underside or connecting to the top of slab, drill pilot hole to locate reinforcing, and adjust anchor location to miss reinforcing. Design and selection of anchor for AMEP equipment to be performed by equipment supplier.
10. Construction loading on the slab shall be limited to 100 psf live load or a 2000# equipment load.

EXISTING BUILDING NOTE:

THIS PROJECT IS AN ADDITION AND RENOVATION OF AN EXISTING BUILDING. THE DRAWINGS REFLECT WHAT IS KNOWN ABOUT THE EXISTING BUILDING, BUT EXISTING CONDITIONS MUST BE VERIFIED BEFORE FABRICATION AND CONSTRUCTION. ABUTTING CONSTRUCTION MUST MATCH UP. VERIFY ALL SUCH CONDITIONS, AND NOTIFY A/E IF ACTUAL CONDITIONS DIFFER FROM THE CONTRACT DOCUMENTS. AN ATTEMPT HAS BEEN MADE TO ANTICIPATE CONDITIONS IN THE EXISTING STRUCTURE.

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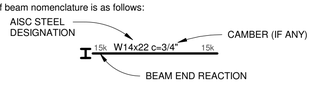
SECOND FLOOR FRAMING PLAN - ZONE B

S103

ROOF FRAMING PLAN NOTES

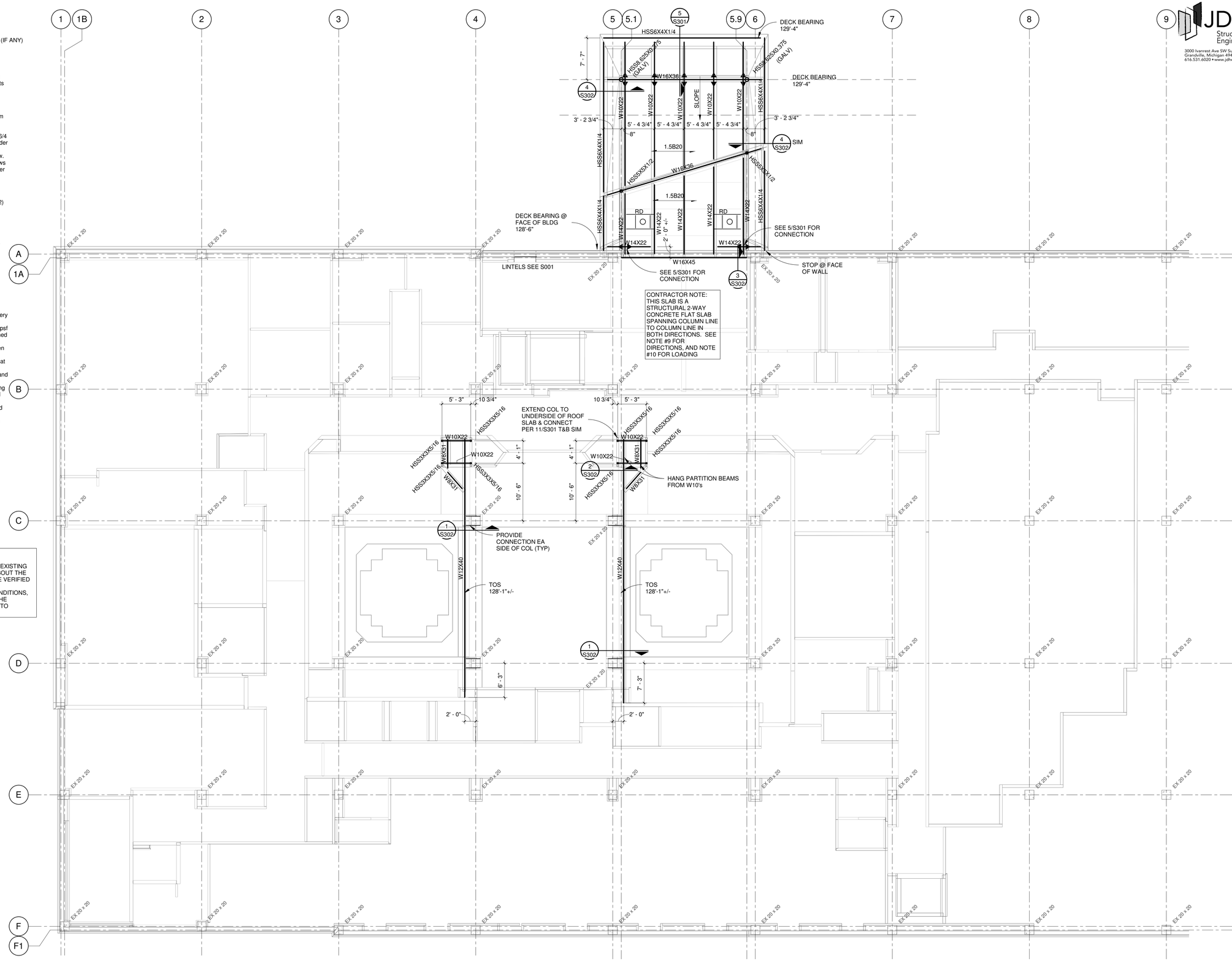
Roof beam nomenclature is as follows:



1. Roof deck bearing elevation (DBE) = xxx'-x" unless noted thus (xxx'-x") on plan. Structure shall slope uniformly between points of unequal elevation.
2. Beams are equally spaced between grids or columns unless dimensioned otherwise.
3. Roof deck:
   - A. UNO, roof deck shall be galvanized metal deck, minimum 3 span continuous (or equivalent). Type and gauge of deck is as indicated below.
   - B. UNO, weld to supports shall be 5/8" puddle welds in a 36/4 pattern for 36" wide sheets. Alternate: Fasten with powder activated fasteners at the same spacing if permitted by joist supplier. Submit PAF size and type to A/E for review.
   - C. UNO, sidelap fasteners shall be #10 Buildex Traxx screws (or equivalent) between supports, spaced at 36" on center for spans over 5'-0" in length. No fasteners required for spans less than 5'-0".
   - D. UNO, at bearing ends of deck, weld deck edges to supports at each deck rib with 5/8" puddle weld.
   - E. UNO, at deck edges where deck runs parallel, provide (2) 5/8" puddle welds at each joist or beam. Where a continuous steel support has been provided, weld to supporting member with 5/8" puddle welds at 12" OC.
4. Lap ends of roof deck sheets 4" (min) over beams or joists.
5. ▶ indicates beam to column or thru beam moment connection. MCxx refers to moment connection # - see details.
6. RD indicates roof drain see 3/S301 for framing.
7. Design beams w/o reaction identified on plan for vertical allowable load of 10k.
8. ⌐ 1.5Bxx ⌐ indicates 1-1/2" wide rib metal roof deck. xx indicates the gauge of the deck.
9. Structural slab penetrations & hanging supports:
   - A. Field locate all existing reinforcing bar locations by non-destructive test methods.
   - B. Removed concrete without cutting any reinforcing bars.
   - C. Any opening within the slab shall be outside the column bands which is approximately 8'-0" clear each way of every column line (vertical and horizontal).
   - D. Limit loading on slab within 20'-0" of access areas to 20 psf live load until the concrete has been replaced and obtained 90% of compressive strength.
   - E. All penetrations through the slab shall be located between reinforcing. If larger openings are required structural reinforcing may be required, and will be determined at that time.
   - F. When replacing slab clean the face of all exisitng slabs and rebar, and then apply bonding agent to concrete.
   - G. When hanging materials from the underside or connecting to the top of slab, drill pilot hole to locate reinforcing, and adjust anchor location to miss reinforcing. Design and selection of anchor for AMEP equipment to be performed by equipment supplier.
10. Construction loading on the slab shall be limited to 100 psf live load or a 2000# equipment load.

EXISTING BUILDING NOTE:

THIS PROJECT IS AN ADDITION AND RENOVATION OF AN EXISTING BUILDING. THE DRAWINGS REFLECT WHAT IS KNOWN ABOUT THE EXISTING BUILDING, BUT EXISTING CONDITIONS MUST BE VERIFIED BEFORE FABRICATION AND CONSTRUCTION. ABUTTING CONSTRUCTION MUST MATCH UP. VERIFY ALL SUCH CONDITIONS, AND NOTIFY A/E IF ACTUAL CONDITIONS DIFFER FROM THE CONTRACT DOCUMENTS. AN ATTEMPT HAS BEEN MADE TO ANTICIPATE CONDITIONS IN THE EXISTING STRUCTURE.



ROOF FRAMING PLAN - ZONE A

SCALE: 1/8" = 1'-0"

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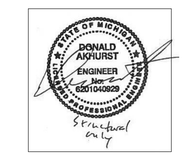

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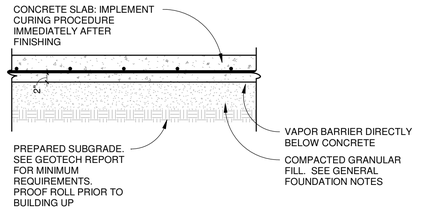
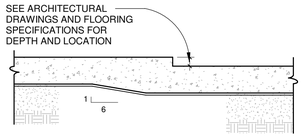
ROOF FRAMING PLAN - ZONE A

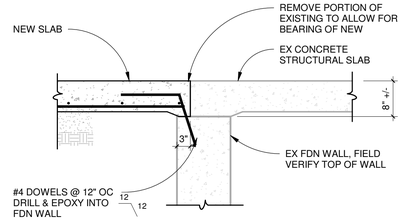
S104



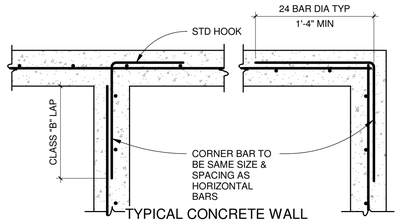
1 S201 TYPICAL SLAB ON GRADE CONSTRUCTION
SCALE: 3/4" = 1'-0"



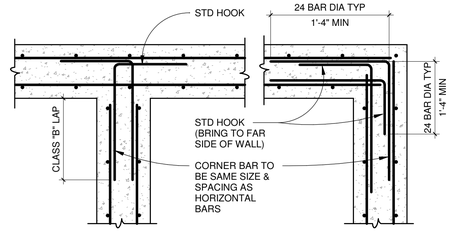
2 S201 TYPICAL RECESSED SLAB DETAIL
SCALE: 3/4" = 1'-0"



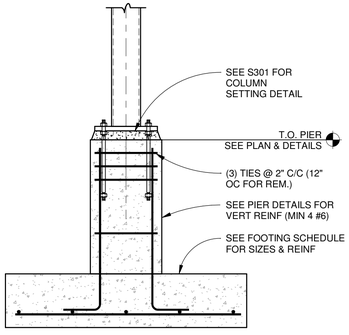
3 S201 DETAIL AT EXISTING WALL
SCALE: 3/4" = 1'-0"



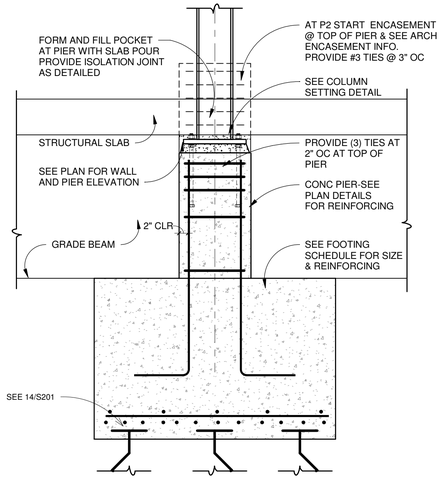
4 S201 TYPICAL CONCRETE WALL CORNER & INTERSECTION REINFORCING DETAILS w/ SINGLE REINFORCING
SCALE: 3/4" = 1'-0"



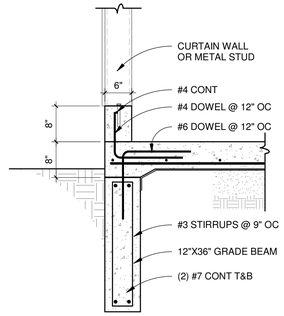
5 S201 TYPICAL CONCRETE WALL CORNER & INTERSECTION REINFORCING DETAILS w/ REINFORCING EA FACE
SCALE: 3/4" = 1'-0"



6 S201 PEMB COLUMN DETAIL
SCALE: 3/4" = 1'-0"



7 S201 TYPICAL EXTERIOR COLUMN PIER
SCALE: 3/4" = 1'-0"



8 S201 TYPICAL EXTERIOR GRADE BEAM
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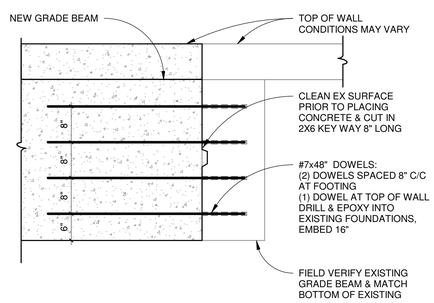
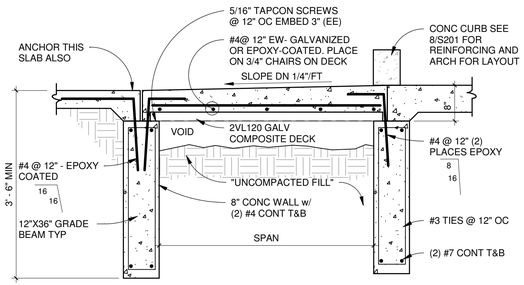
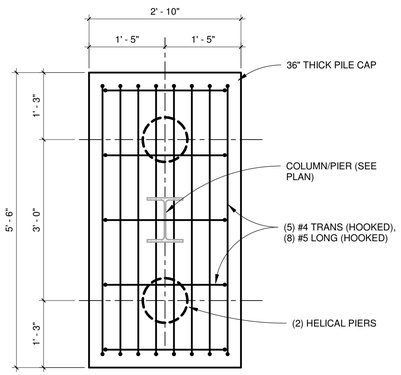


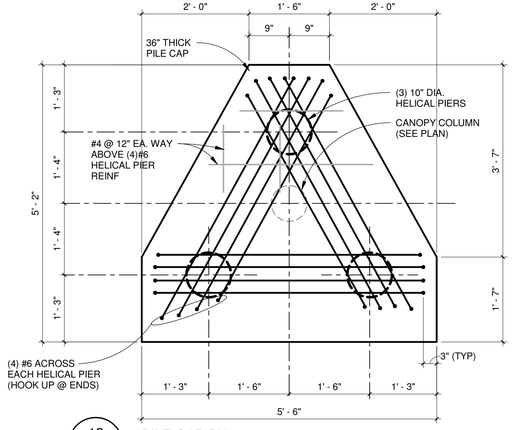
9 S201 FOUNDATION DETAIL AT EXISTING GRADE BEAM
SCALE: 3/4" = 1'-0"



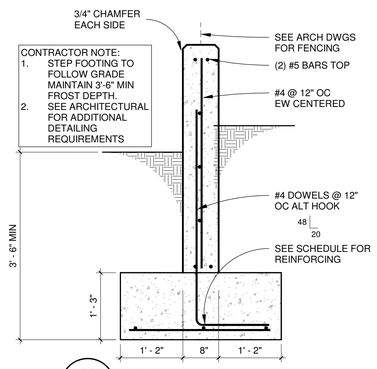
10 S201 THRESHOLD DETAIL
SCALE: 3/4" = 1'-0"



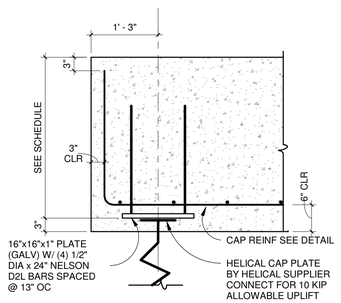
11 S201 PILE CAP PH2
SCALE: 3/4" = 1'-0"



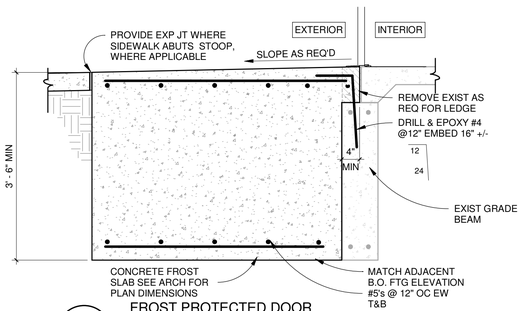
12 S201 PILE CAP PH3
SCALE: 3/4" = 1'-0"



13 S201 TYPICAL RETAINING WALL
SCALE: 3/4" = 1'-0"



14 S201 PIER WELD PLATE DETAIL
SCALE: 3/4" = 1'-0"



15 S201 FROST PROTECTED DOOR THRESHOLD DETAIL
SCALE: 3/4" = 1'-0"

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ENGINEER
6201042029
PROFESSIONAL ENGINEER
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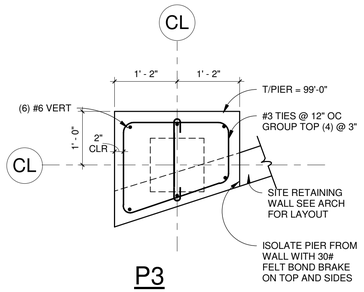
FOUNDATION DETAILS

S201



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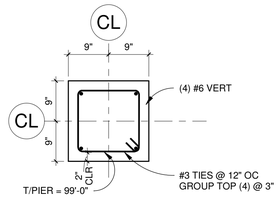

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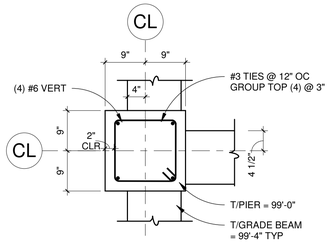

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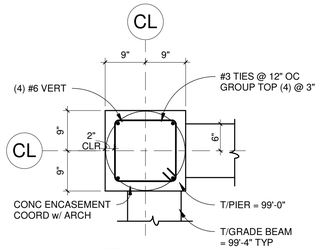


P2

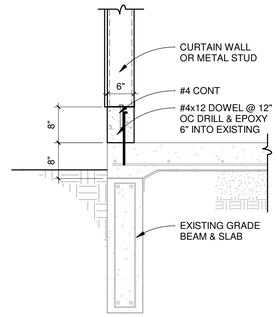
1
S202

PIERS

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

PIER DETAIL NOTES

1. See foundation plan for pier orientation and foundation plan and/or notes for pier elevation.
2. Provide dowels from footing equal in size and number to vertical pier reinforcing. Hook dowels in footing and extend into pier by a distance equal to lap splice length or to top of pier(TOP).
3. Where pier is integral with foundation wall, see foundation plan and foundation details for foundation wall condition, top of concrete (TOC) elevation and wall reinforcing at adjacent foundation wall. Continue all horz wall reinf thru piers.
4. Where pier is integral with foundation wall and where required, pour concrete at wall above top of pier elevation to top of wall (TOW) elevation of adjacent wall after column is set & base plate is grouted.
5. Coat all base plates and anchor bolts with bituminous material where exposed to earth or weather, such as within a veneer cavity.
6. Chamfer all edges of exposed piers 3/4" x 45°.



2
S202

CURB AT EXISTING
CONSTRUCTION

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

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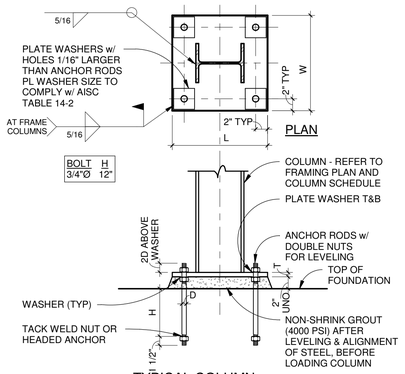
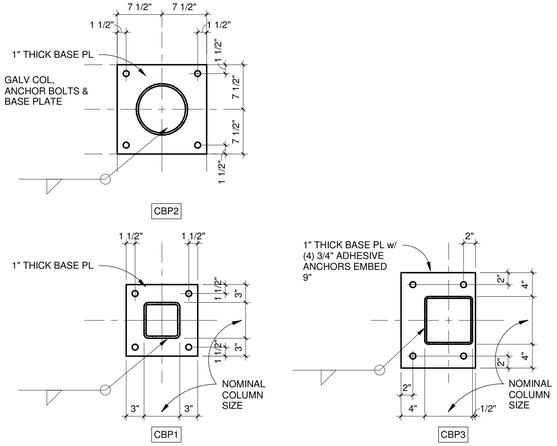
FOUNDATION
DETAILS

S202



1 S301 TYPICAL COLUMN SETTING/BASE PLATE DETAIL
SCALE: 1" = 1'-0"



2 S301 TYPICAL BASE PLATE DETAILS
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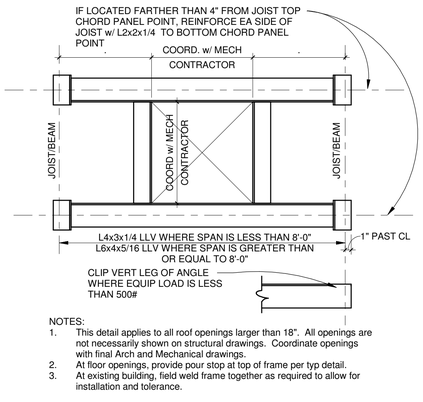
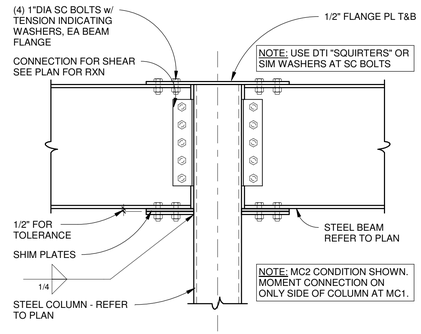


NOTES:
1. This detail applies to all roof openings larger than 18". All openings are not necessarily shown on structural drawings. Coordinate openings with final Arch and Mechanical drawings.
2. At floor openings, provide pour stop at top of frame per typ detail.
3. At existing building, field weld frame together as required to allow for installation and tolerance.

3 S301 TYPICAL ROOF OPENING FRAME
SCALE: 1" = 1'-0"



4 S301 MC 1 & 2 MOMENT CONNECTION
SCALE: 1" = 1'-0"

5 S301 THRU-BEAM MOMENT CONNECTION
SCALE: 1" = 1'-0"

6 S301 FRAMING DETAIL
SCALE: 1" = 1'-0"

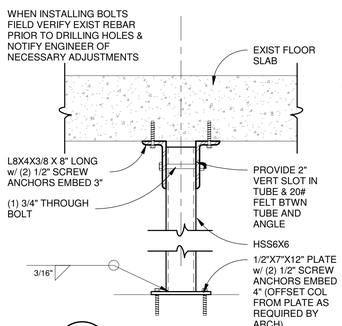
7 S301 FRAMING DETAIL
SCALE: 1" = 1'-0"

8 S301 FRAMING DETAIL
SCALE: 1" = 1'-0"

9 S301 FRAMING DETAIL
SCALE: 1" = 1'-0"

NOTE WHEN INSTALLING BOLTS INTO EXIST CONCRETE FIELD VERIFY REBAR PRIOR TO DRILLING HOLES & NOTIFY ENGINEER OF NECESSARY ADJUSTMENTS

10 S301 FRAMING DETAIL
SCALE: 1" = 1'-0"



11 S301 FRAMING DETAIL
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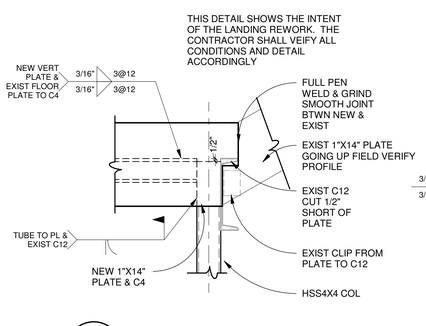
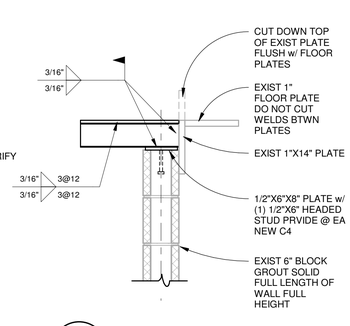
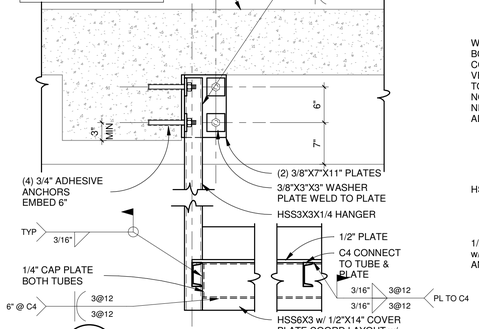


12 S301 FRAMING DETAIL
SCALE: 1" = 1'-0"



13 S301 FRAMING DETAIL
SCALE: 1" = 1'-0"

NOTE: WHEN INSTALLING BOLTS INTO EXIST CONCRETE FIELD VERIFY REBAR PRIOR TO DRILLING HOLES & NOTIFY ENGINEER OF NECESSARY ADJUSTMENTS



14 S301 FRAMING DETAIL
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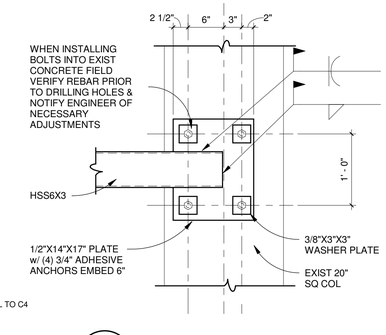

15 S301 FRAMING DETAIL
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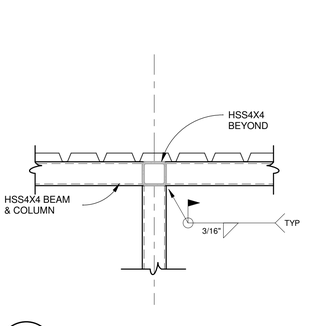

16 S301 FRAMING DETAIL
SCALE: 1" = 1'-0"

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Intersect

City of Kalamazoo - Crosstown Facility
CPED & KDPS Workplace Renovation
150 E Crosstown Parkway Kalamazoo MI 49001

Bid Set 08/21/2025
ISSUE DATES

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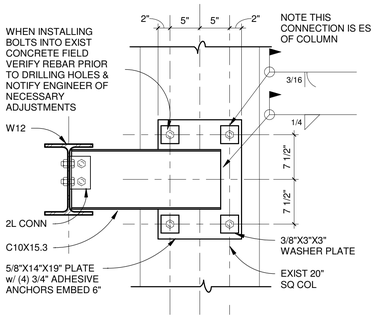
Project Number: 23-046

FRAMING DETAILS

S301



1 S302 FRAMING DETAIL
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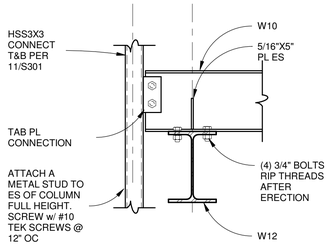

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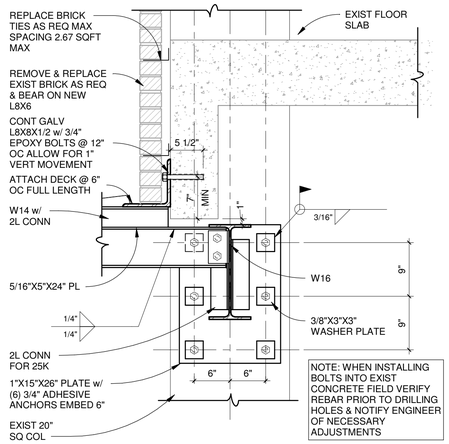

3 S302 FRAMING DETAIL
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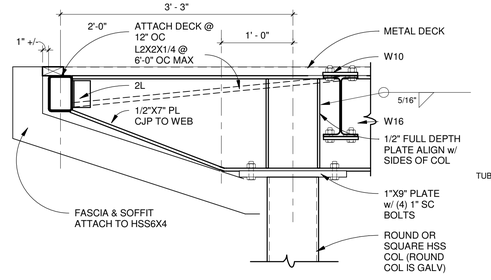

4 S302 FRAMING DETAIL
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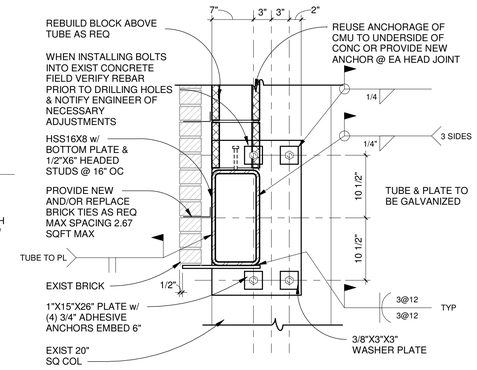

5 S302 FRAMING DETAIL
SCALE: 1" = 1'-0"

6 S302 FRAMING DETAIL
SCALE: 1" = 1'-0"

7 S302 FRAMING DETAIL
SCALE: 1" = 1'-0"

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FRAMING DETAILS

S302

MECHANICAL SYMBOL LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
20/12	DUCTWORK SIZING	(E)	EXISTING PIPING (TO REMAIN)
20 12 SUPPLY 20 10 RETURN / EXHAUST	DUCT SECTION		PIPING TO BE REMOVED
		CD	CONDENSATE DRAIN
20/12	ACOUSTICAL LINED DUCTWORK	CHWS	CHILLED WATER SUPPLY
		CHWR	CHILLED WATER RETURN
	FLEXIBLE DUCTWORK	CW	POTABLE COLD WATER
20/12 AD OR AP	ACCESS DOOR OR ACCESS PANEL	F	FIRE PROTECTION SUPPLY
		GHHR	GLYCOL HEAT RECLAIM RETURN
M MOD VD 20/12	DAMPERS (MOTOR OPERATED & MANUAL)	GHRS	GLYCOL HEAT RECLAIM SUPPLY
		GR	GLYCOL RETURN
▲S	SMOKE DAMPER	GS	GLYCOL SUPPLY
		HG	REFRIGERANT HOT GAS
		HHWR	HEATING HOT WATER RETURN
		HHWS	HEATING HOT WATER SUPPLY
▲F	FIRE DAMPER	HPC	HIGH PRESSURE CONDENSATE
		HPS	HIGH PRESSURE STEAM
		HW	POTABLE HOT WATER
AIR FLOW	DUCT TAKEOFF FROM MAIN	HWR	POTABLE HOT WATER RETURN
		LPR	LOW PRESSURE CONDENSATE
		LPS	LOW PRESSURE STEAM
20/10 20/20 20/10 PLAN; 20/10 20/20 20/10 ELEVATION	HORIZONTAL DUCT SPLIT	MPC	MED PRESS COND
		MPS	MED PRESS STM
		NG	NATURAL GAS - LOW PRESSURE
		PC	PUMPED CONDENSATE
20/12 10/8	TRANSITION	RL	REFRIGERANT LIQUID
		RS	REFRIGERANT SUCTION
		SAN	SOIL, WASTE, OR SANITARY SEWER
20/12 10/8	TRANSITION WITH ONE SIDE FLAT	SSD	SUB-SOIL DRAIN, FOOTING DRAIN
		ST	STORM DRAIN
RISE (OR DROP)	DUCT RISE OR DROP IN DIRECTION OF AIR FLOW	STM	STEAM
		V	SANITARY VENT
			CHECK VALVE
	DUCT DROP VERTICAL		FLOW METER
			CAP ON END OF PIPE
	DUCT RISE VERTICAL		CONCENTRIC REDUCER
			ECCENTRIC REDUCER
SQUARE OR RECTANGULAR	ELBOW		SCREWED UNION
			DIRECTION OF FLOW
			RISER DOWN (ELBOW)
	SQUARE OR RECTANGULAR RADIUS ELBOW		RISE OR DROP (IN PIPING)
			RISER UP (ELBOW)
			RISER UP (IN PIPING)
			DROP (IN PIPING)
	ROUND DIFFUSERS		BRANCH - BOTTOM CONNECTION
			BRANCH - TOP CONNECTION
			BRANCH - SIDE CONNECTION
	SQUARE DIFFUSERS		ELBOW
			PIPING BREAK
			CLEANOUT PLUG
			FLOOR DRAIN
			ROOF DRAIN
AIR FLOW	GRILLE OR REGISTER MOUNTED IN MAIN DUCT		HOSEBIBB, WALL HYDRANT
		T	THERMOSTAT
S#-8/8-200	SUPPLY AIR GRILLES & REGISTERS	Z	ZONE TEMPERATURE SENSOR
		H	HUMIDISTAT
R#-8/8-200	RETURN AIR / EXHAUST AIR GRILLES & REGISTERS	SD	SMOKE DETECTOR
		DP	DIFFERENTIAL PRESSURE SENSOR
		SP	STATIC PRESSURE SENSOR
FC	FLEXIBLE CONNECTIONS	FD	FIRE DAMPER (VERTICAL)
		FD	FIRE DAMPER (HORIZONTAL)
	SQUARE DIFFUSERS	S	SMOKE DAMPER (VERTICAL)
		S	SMOKE DAMPER (HORIZONTAL)
		FSD	FIRE & SMOKE DAMPER (VERTICAL)
		FSD	FIRE & SMOKE DAMPER (HORIZONTAL)
			CONNECT TO EXISTING

MECHANICAL ABBREVIATIONS

A/C	AIR CONDITIONER	kVA	KILOVOLT AMPERE
A/E	ARCHITECT ENGINEER	kW	KILOWATT
AAV	AUTOMATIC AIR VENT	kWh	KILOWATT HOURS
ABV	ABOVE		
AC	ALTERNATING CURRENT / AIR CONDITIONING		
AD	ACCESS DOOR	L	LOUVER
AFF	ABOVE FINISHED FLOOR	LAT	LEAVING AIR TEMPERATURE
AHU	AIR HANDLING UNIT	LAV	LAVATORY
AIP	ABANDON IN PLACE	LB	POUNDS
AMP	AMPERE	LB/H	POUNDS PER HOUR
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	LDB	LEAVING DRY BULB TEMPERATURE
AP	ACCESS PANEL	LIN	LINEAL / LINEAR
APD	AIR PRESSURE DROP	LVG	LEAVING
APPROX	APPROXIMATE	LWB	LEAVING WET BULB TEMPERATURE
ARCH	ARCHITECTURE	LWT	LEAVING WATER TEMPERATURE
ARI	AIR CONDITIONING & REFRIGERATION INSTITUTE		
ASHRAE	AMERICAN SOCIETY OF HEATING, REFRIGERATION, & AIR CONDITIONING ENGINEERS	MA	MEDICAL AIR / MAKEUP AIR
ASME	AMERICAN SOCIETY OF MECHANICAL ENGINEERS	MAX	MAXIMUM
ASPE	AMERICAN SOCIETY OF PLUMBING ENGINEERS	MB	MOP BASIN
ATM	ATMOSPHERE	MBH	THOUSAND BTUS PER HOUR
AUTO	AUTOMATIC	MCC	MOTOR CONTROL CENTER
AUX	AUXILIARY	MECH	MECHANICAL
AVG	AVERAGE	MIN	MINIMUM
AWT	AVERAGE WATER TEMPERATURE	MOD	MOTOR OPERATED DAMPER
		MOV	MOTOR OPERATED VALVE
B	BOILER		
BAS	BUILDING AUTOMATION SYSTEM	#	NUMBER
BLDG	BUILDING	NEC	NATIONAL ELECTRICAL CODE
BP	BOOSTER PUMP	NFC	NATIONAL FIRE CODE
BTU	BRITISH THERMAL UNIT	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
BTUH	BRITISH THERMAL UNIT PER HOUR	NG	NATURAL GAS
BTW	BETWEEN	NIC	NOT IN CONTRACT
		NO2	NITROGEN DIOXIDE
		NPSH	NET POSITIVE SUCTION HEAD
°C	DEGREES CENTIGRADE	NSF	NATIONAL SANITATION FOUNDATION
CA	COMPRESSED AIR	NTS	NOT TO SCALE
CAP	CAPACITY		
CC	COOLING COIL		
CD	CONDENSATE DRAIN	OA	OUTSIDE AIR
CF	CEILING FAN	OBD	OPPOSED BLADE DAMPER
CFM	CUBIC FEET PER MINUTE	OC	ON CENTER
CHWR	CHILLED WATER RETURN	OD	OUTSIDE DIAMETER
CHWS	CHILLED WATER SUPPLY	OPNG	OPENING
CLR	CLEAR	ORD	OVERFLOW ROOF DRAIN
CLG	CEILING		
CO	CLEANOUT / CARBON MONOXIDE		
CO2	CARBON DIOXIDE	%	PERCENT
COND	CONDENSATE	P	PUMP
CONT	CONTINUOUS / CONTINUATION	PD	PRESSURE DROP
CR	CONDENSER WATER RETURN	PH	PHASE
CS	CONDENSER WATER SUPPLY	PRES	PRESSURE
CT	COOLING TOWER	PRV	PRESSURE REDUCTION VALVE
CTR	CENTER	PS	PRESSURE SWITCH
CU	CONDENSING UNIT		
CUH	CABINET UNIT HEATER		
CW	COLD WATER	QTY	QUANTITY
DB	DRY BULB TEMPERATURE / DECIBEL	R	RADIUS
DBL	DOUBLE	RA	RETURN AIR
DEG	DEGREES	RAD	RADIATION
DEMO	DEMOLISH	RD	ROOF DRAIN
DET	DETAIL	RECIRC	RECIRCULATION
DF	DRINKING FOUNTAIN	REQ	REQUIRED
DIA	DIAMETER	REV	REVISION
DWH	DOMESTIC WATER HEATER	RF	RETURN / RELIEF FAN
DISCH	DISCHARGE	RHC	REHEAT COIL
DN	DOWN	RL	REFRIGERANT LIQUID
DW	DRINKING WATER	RM	ROOM
DWG	DRAWING	RPM	REVOLUTIONS PER MINUTE
DWP	DOMESTIC WATER PUMP	RS	REFRIGERANT SUCTION
DX	DIRECT EXPANSION	RV	RELIEF VALVE
EA	EACH / EXHAUST AIR	SA	SUPPLY AIR
EAT	ENTERING AIR TEMPERATURE	SAN	SANITARY
EDB	ENTERING DRY BULB TEMPERATURE	SCHED	SCHEDULE
EF	EXHAUST FAN	SEC	SECONDS / SECONDARY
EFF	EFFICIENCY	SECT	SECTION
EHC	ELECTRIC HEATING COIL	SF	SUPPLY FAN
ELEC	ELECTRICAL	SH	SHOWER
EQUIP	EQUIPMENT	SMACNA	SHEET METAL & AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION
ET	ENTERING TEMPERATURE		
ETR	EXISTING TO REMAIN	SP	STATIC PRESSURE / SUMP PUMP
EWB	ENTERING WET BULB TEMPERATURE	SPEC	SPECIFICATIONS
EWC	ELECTRIC WATER COOLER	SPR	SPRINKLER
EWH	ELECTRIC WATER HEATER	SQ	SQUARE
EWT	ENTERING WATER TEMPERATURE	SS	SANITARY STACK / STAINLESS STEEL
EXIST	EXISTING	SSD	SUBSOIL DRAIN
		ST	STORM
°F	DEGREES FAHRENHEIT	STD	STANDARD
FCU	FAN COIL UNIT	STM	STEAM
FD	FLOOR DRAIN / FIRE DAMPER	STRUC	STRUCTURAL
FDC	FIRE DEPARTMENT CONNECTION	SYS	SYSTEM
FDV	FIRE DEPARTMENT VALVE		
FIN	FINISH(ED)	T	THERMOSTAT
FLEX	FLEXIBLE	TD	TEMPERATURE DIFFERENTIAL
FLR	FLOOR	TDH	TOTAL DYNAMIC HEAD
FP	FIRE PUMP	TEMP	TEMPERATURE
FPB	FAN POWERED BOX	THRU	THROUGH
FPM	FEET PER MINUTE	TCP	TEMPERATURE CONTROL PANEL
FPS	FEET PER SECOND	TON	TON OF COOLING
FSD	FIRE/SMOKE DAMPER	TOT	TOTAL
FT	FINNED TUBE RADIATOR	TU	TERMINAL UNIT
GE	GREASE EXHAUST	UH	UNIT HEATER
GPM	GALLONS PER MINUTE	UR	URINAL
GW	GREASE WASTE		
GWH	GAS WATER HEATER		
		V	VENT
		VAV	VARIABLE AIR VOLUME
HB	HOSE BIBB	VB	VACUUM BREAKER
HC	HEATING COIL	VD	VOLUME DAMPER
HD	HEAD	VEL	VELOCITY
HHWR	HEATING HOT WATER RETURN	VERT	VERTICAL
HHWS	HEATING HOT WATER SUPPLY	VFD	VARIABLE FREQUENCY DRIVE
HORIZ	HORIZONTAL	VOL	VOLUME
HP	HORSEPOWER / HEAT PUMP	VTR	VENT THROUGH ROOF
HTG	HEATING		
HVAC	HEATING VENTILATION & AIR CONDITIONING		
HW	HOT WATER	W	WATT
HWR	HOT WATER RETURN	WB	WET BULB TEMPERATURE
HZ	HERTZ (CYCLES PER SECOND)	WC	WATER CLOSET
		WH	WALL HYDRANT / WALL HEATER / WATER HEATER
		WPD	WATER PRESSURE DROP
ID	INSIDE DIAMETER	WST	WASTE
INWG	INCHES WATER COLUMN	WT	WEIGHT
INSUL	INSULATION	WTR	WATER TEMPERATURE RISE
INV	INVERT		
		Z	ZONE TEMP SENSOR

GENERAL NOTES

1. FABRICATION AND INSTALLATION OF WORK SHALL COMPLY WITH ALL APPLICABLE CODES AND STANDARDS. ALL WORK MUST BE MOUNTED HIGH SO AS TO MAINTAIN AN APPROPRIATE CLEARANCE ABOVE THE FINISHED FLOOR OR CEILING WHILE MAINTAINING SERVICEABILITY TO EQUIPMENT, VALVES, ETC.
2. ALL CONTRACT DOCUMENTS ARE DIAGRAMMATIC AND INDICATE THE GENERAL ARRANGEMENTS OR GEOMETRICAL RELATIONSHIPS OR EQUIPMENT AND SERVICES. THEY ARE NOT INTENDED TO SPECIFY OR SHOW EVERY OFFSET, SEQUENCE, DEVICE, OPTION, FITTING, COMPONENT, ETC REQUIRED FOR COMPLETE INSTALLATION.
3. COORDINATE PLACEMENT OF ALL MECHANICAL RELATED EQUIPMENT AND DEVICES WITH OTHER TRADES. DO NOT POSITION OR INSTALL ANY MECHANICAL EQUIPMENT OR DEVICES IN ANY SYSTEM IN SUCH A WAY THAT IT WILL BE INACCESSIBLE OR UN-MAINTAINABLE AFTER CONSTRUCTION IS COMPLETED.
4. ALL MATERIALS EXPOSED WITHIN PLENUMS SHALL BE NON-COMBUSTIBLE OR SHALL HAVE A FLAME SPREAD INDEX OF NOT MORE THAN 25 AND A SMOKE-DEVELOPED INDEX OF NOT MORE THAN 50 WHEN TESTED IN ACCORDANCE WITH ASTM 84.
5. INFORMATION AND COMPONENTS SHOWN ON DIAGRAMS, DETAILS, OR IN THE SPECIFICATIONS BUT NOT SHOWN ON THE PLANS, AND VICE VERSA, MUST BE PROVIDED AS IF EXPRESSLY REQUIRED BY BOTH.
6. "FURNISH" SHALL BE DEFINED AS TO SUPPLY AND DELIVER TO THE PROJECT SITE. READY FOR UNLOADING, UNPACKING, ASSEMBLY, INSTALLATION AND SIMILAR OPERATIONS. "INSTALL" SHALL BE DEFINED AS WORK WHICH INCLUDES THE ACTUAL UNLOADING, UNPACKING, "PROVIDE" SHALL BE DEFINED AS TO FURNISH AND INSTALL, COMPLETE AND READY FOR THE INTENDED USE.
7. PRIOR TO BID, CONTRACTOR MUST BECOME FAMILIAR WITH THE REQUIREMENTS OF THE DRAWINGS, SPECIFICATIONS, GENERAL NOTES AS WELL AS ALL OTHER INFORMATION SHOWN ON THE CONTRACT DOCUMENTS. VISIT THE SITE TO ESTABLISH THE EXISTING CONDITIONS PRIOR TO BID AND PRIOR TO ANY HVAC, PLUMBING, OR EQUIPMENT FABRICATION.
8. DUCT RUN OUT SIZE SHALL BE THE SAME AS THE AIR OUTLET/INLET CONNECTION SIZE UNLESS OTHERWISE NOTED.
9. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR CEILING MATERIALS AND EXACT LOCATIONS OF AIR DISTRIBUTION DEVICES.
10. FLEXIBLE DUCTWORK SHALL BE INSTALLED WITHOUT KINKS AND WITHOUT BENDS GREATER THAN 30°. FLEXIBLE DUCTWORK SHALL NOT PENETRATE THROUGH WALLS, RIGID SHEET METAL DUCTWORK IS REQUIRED AT ALL WALL PENETRATIONS. FLEXIBLE DUCTWORK SHALL NOT BE USED IN EXPOSED LOCATIONS.
11. ACCESS DOORS SHALL BE PROVIDED IN DUCTWORK FOR ACCESS TO ALL FIRE DAMPERS, SMOKE DAMPERS, MOTOR OPERATED DAMPERS, AND COILS (BOTH UPSTREAM AND DOWNSTREAM). MINIMUM SIZE OF ACCESS PANEL TO BE 18"X18" UNLESS NOTED OTHERWISE, REFER TO MECHANICAL DETAILS.
12. INSTALL ALL EQUIPMENT REQUIRING AN ELECTRICAL CONNECTIONS IN SUCH A MANNER THAT PROPER CLEARANCE IS PROVIDED FOR SERVING PER THE NATIONAL ELECTRICAL CODE.
13. CONTRACTOR SHALL FURNISH AND INSTALL BALANCING DAMPERS AT ALL SUPPLY AND RETURN AIR BRANCH DUCTS.
14. WHEN SUBMITTING SHOP DRAWINGS ON ALL EQUIPMENT PERTAINING TO THE PROJECT, ALL ELECTRICAL REQUIREMENTS SHALL BE COORDINATED WITH THE ELECTRICAL CONTRACTOR PRIOR TO PURCHASING THE EQUIPMENT. SUBMIT SHOP DRAWINGS WITH THE CORRECT VOLTAGES AS SHOWN ON THE MECHANICAL SCHEDULE SHEET.
15. ROUTING OF REFRIGERANT PIPING TO BE DETERMINED IN FIELD. SIZING OF REFRIGERANT PIPING AS PER MANUFACTURER'S RECOMMENDATIONS.
16. ALL WALL MOUNTED THERMOSTATS AND SENSORS TO BE MOUNTED AT 48" ABOVE FINISHED FLOOR UNLESS OTHERWISE NOTED. COORDINATE FINAL PLACEMENT OF ALL THERMOSTATS AND/OR SENSORS WITH ARCHITECTURAL PLANS. WALL MOUNTED DEVICES AND OWNER'S REPRESENTATIVE. ANY DEVICE THAT IS REQUIRED TO BE MOUNTED ON AN EXTERIOR WALL MUST BE MOUNTED ON AN INSULATED PAD.
17. PENETRATIONS THROUGH THE EXTERIOR WALL MADE BY REFRIGERANT PIPING SHALL BE FIRE STOPPED.
18. FIRE RATED PUTTY/CAULKING IS REQUIRED AT ALL RATED PENETRATIONS. FOAM CAULKING WILL NOT BE ACCEPTED.
19. FURNISH AND INSTALL FIRE DAMPERS AT ALL RATED PENETRATIONS.
20. ALL DUCT SIZES ARE IN INCHES; 1ST FIGURE = SIDE SHOWN; 2ND FIGURE = ADJACENT SIDE.
21. DUCT SIZES SHOWN ON PLANS INDICATE MINIMUM REQUIRED CLEAR INSIDE DIMENSIONS.
22. INSTALL FIRE DAMPERS IN EVERY DUCT PASSING THROUGH FIRE RATED WALLS AND FLOORS.
23. NOT ALL SYMBOLS & ABBREVIATIONS MAY BE USED.
24. ALL DIMENSIONS AND SIZES INDICATED WITHIN THESE DRAWINGS ARE EXPRESSED IN INCHES UNLESS OTHERWISE NOTED.
25. DURING RENOVATION OF EXISTING AREAS IN AN OPERATING FACILITY, PLAN WORK INCLUDING ALTERATIONS AND CONNECTIONS TO THE EXISTING FACILITY THAT SHALL PERMIT NORMAL BUILDING FUNCTIONS, WHEN NECESSARY TO TEMPORARILY INTERRUPT A SERVICE, ARRANGE WITH THE OWNER IN ADVANCE AS TO TIME IN WHICH THE INTERRUPTION WILL BE LEAST DISRUPTIVE. ALL OUTAGES SHALL REQUIRE A MINIMUM OF 2 WEEKS NOTICE PRIOR TO OUTAGE.
26. NO OTHER TRADES ARE ALLOWED TO BE SUPPORTED FROM MATERIALS, EQUIPMENT OR DEVICES INSTALLED BY THE MECHANICAL TRADES. LIKEWISE, ALL WORK INSTALLED BY THE MECHANICAL TRADES MUST BE SUPPORTED FROM THE STRUCTURE ABOVE, FROM WALLS OR FROM THE FLOOR UNLESS OTHERWISE NOTED.
27. EXPOSED HVAC, PLUMBING, AND FIRE SUPPRESSION, DUCTWORK, PIPING, AND ACCESSORIES SHALL BE INSTALLED IN A NEAT AESTHETICALLY PLEASING FASHION. VERIFY ROUTINGS WITH THE ARCHITECT/ENGINEER IN THESE AREAS PRIOR TO INSTALLATION.
28. ALL BRANCH DUCTWORK TO VAV TERMINAL BOXES SHALL BE SIZED TO MATCH BOX INLET SIZE UNLESS OTHERWISE NOTED.
29. ALL RUNOUTS TO VAV BOX REHEAT COILS AND FINNED TUBE SHALL BE MINIMUM 3/4" UNLESS OTHERWISE NOTED.
30. ALL WIRING INSTALLED FOR CONTROLS, POWER, INTERLOCKS, ETC. MUST BE INSTALLED IN CONDUIT. MATERIALS AND INSTALLATION MUST COMPLY WITH NFPA, NEC REQUIREMENTS, AND STATE/LOCAL CODES.
31. INSTALL MANUAL AIR VENTS AT ALL HIGH POINTS OF CLOSED PIPING SYSTEMS. INSTALL FLEX PIPING CONNECTION AT ALL EQUIPMENT CONNECTIONS.
32. SEAL ALL ROOF AND WALL PENETRATIONS, FLASH AND COUNTER-FLASH ALL ROOF PENETRATIONS.
33. PROVIDE FLEXIBLE CONNECTIONS ON DUCT INLET AND OUTLET CONNECTIONS TO ALL ROOFTOP UNITS, AIR HANDLING UNITS, FAN COIL UNITS, EXHAUST FANS, AIR BOXES, ETC. WHERE EQUIPMENT HAS ROTATING PARTS OR MOTORS.
34. MAINTAIN A MINIMUM 10'-0" BETWEEN ALL FRESH AIR INTAKES AND PLUMBING VENTS, EXHAUST FAN DISCHARGE, FLUES, ETC.
35. DURING CONSTRUCTION, AFTER START-UP OF HVAC SYSTEMS, CONTRACTOR MUST MAINTAIN AND/OR REPLACE ON A REGULAR SCHEDULE ALL FILTERS IN THE HVAC SYSTEM. THREE (3) DAYS BEFORE EQUIPMENT TO BE TURNED OVER FOR OWNER ACCEPTANCE, THE CONTRACTOR MUST REPLACE ALL AIR FILTERS WITH NEW FILTERS. DO NOT OPERATE HVAC SYSTEMS WITHOUT FILTERS IN PLACE.
36. PROVIDE FOR CUTTING AND CORE DRILLING ALL PENETRATIONS THRU FLOORS, WALLS, ETC. ANY OPENINGS LARGER THAN 8" DIAMETER SHALL BE FULLY COORDINATED WITH THE GENERAL CONTRACTOR, ARCHITECT, AND STRUCTURAL ENGINEER BEFORE WORK IS TO PROCEED.
37. REPLACE OR REPAIR ALL ARCHITECTURAL FEATURES REMOVED OR DAMAGED DURING THE COURSE OF THE WORK. REPAIR OR REPLACEMENT MUST, AS A MINIMUM, EQUAL ORIGINAL CONDITION. SPECIAL CARE MUST BE TAKEN ON THE ROOFS TO PREVENT DAMAGE. ANY DAMAGE TO THE ROOF MUST BE PROMPTLY REPAIRED AT NO EXPENSE TO THE OWNER BY AN OWNER APPROVED ROOFING CONTRACTOR.
38. A DUCT IS PERMITTED TO PENETRATE THREE FLOORS OR LESS WITHOUT A FIRE DAMPER AT EACH FLOOR PROVIDED IT MEETS ALL OF THE FOLLOWING REQUIREMENTS:
    - A. THE DUCT SHALL BE CONTAINED AND LOCATED WITHIN THE CAVITY OF A WALL AND SHALL BE CONSTRUCTED OF STEEL HAVING A MINIMUM THICKNESS OF 0.0187 INCHES AND NO. 26 GAGE.
    - B. THE DUCT SHALL OPEN INTO ONLY ONE DWELLING UNIT OR SLEEPING UNIT AND THE DUCT SYSTEM SHALL BE CONTINUOUS FROM THE UNIT TO THE EXTERIOR OF THE BUILDING.
    - C. THE DUCT SHALL NOT EXCEED A 4-INCH NOMINAL DIAMETER AND THE TOTAL AREA OF SUCH DUCTS SHALL NOT EXCEED 100 SQUARE INCHES FOR ANY 100 SQUARE FEET OF THE FLOOR AREA.
    - D. THE ANNULAR SPACE AROUND THE DUCT IS PROTECTED WITH MATERIALS THAT PREVENT THE PASSAGE OF FLAME AND HOT GASES SUFFICIENT TO IGNITE COTTON WASTE WHEN SUBJECTED TO ASTM E119 OR UL 263 TIME TEMPERATURE CONDITIONS UNDER A MINIMUM POSITIVE PRESSURE DIFFERENTIAL OF 0.01 INCH OF WATER AT THE LOCATION OF THE PENETRATION FOR THE TIME PERIOD EQUIVALENT TO THE FIRE-RESISTANCE RATING OF THE CONSTRUCTION PENETRATED.
    - E. GRILLE OPENINGS LOCATED IN A CEILING WITH A FIRE RESISTANCE FLOOR/CEILING ASSEMBLY SHALL BE PROTECTED WITH A LISTING CEILING RADIATION DAMPER.

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NOT FOR
Seal:
REGULATORY APPROVAL, PERMITTING, OR CONSTRUCTION

Bid 08/21/2025

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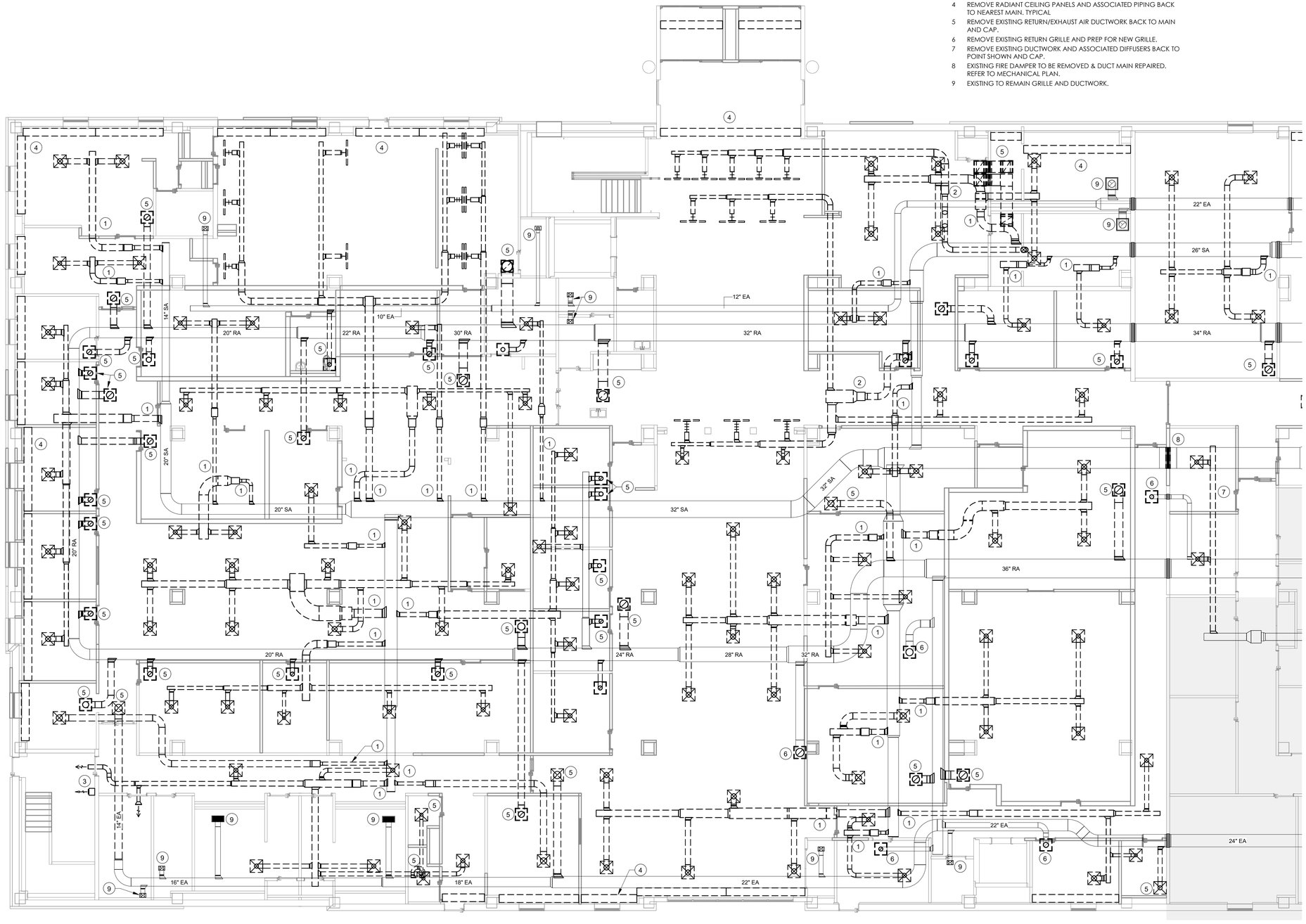
MECHANICAL LEGENDS & GENERAL NOTES

M001

8/20/2025 12:20:43 Autodesk Docs://2400 Kalamazoo Crosstown Facility Renovation/2400 Kalamazoo MEP.rvt

PLAN NOTES

1. REMOVE EXISTING DUCTWORK & VAV BOX BACK TO MAIN & CAP.
2. REMOVE EXISTING DUCTWORK ASSOCIATED WITH EXISTING TO REMAIN VAV BOX AND PREP VAV BOX FOR RELOCATION. REFER TO MECHANICAL PLAN.
3. REMOVE EXISTING CABINET UNIT HEATER TO BE REPLACED. CAP PIPING FOR RECONNECTION.
4. REMOVE RADIANT CEILING PANELS AND ASSOCIATED PIPING BACK TO NEAREST MAIN. TYPICAL
5. REMOVE EXISTING RETURN/EXHAUST AIR DUCTWORK BACK TO MAIN AND CAP.
6. REMOVE EXISTING RETURN GRILLE AND PREP FOR NEW GRILLE.
7. REMOVE EXISTING DUCTWORK AND ASSOCIATED DIFFUSERS BACK TO POINT SHOWN AND CAP.
8. EXISTING FIRE DAMPER TO BE REMOVED & DUCT MAIN REPAIRED. REFER TO MECHANICAL PLAN.
9. EXISTING TO REMAIN GRILLE AND DUCTWORK.



1 MAIN LEVEL CPED MECHANICAL DEMO PLAN
MD100 1/8" = 1'-0"

N

CPED | N.I.C | N.I.C

KEY PLAN - CPED
NTS

City of Kalamazoo - Crosstown Facility
CPED & KDPS Workplace Renovation
150 E Crosstown Parkway Kalamazoo MI 49001

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MAIN LEVEL CPED MECHANICAL DEMO PLAN

MD100

8/29/2025 12:30:24 PM
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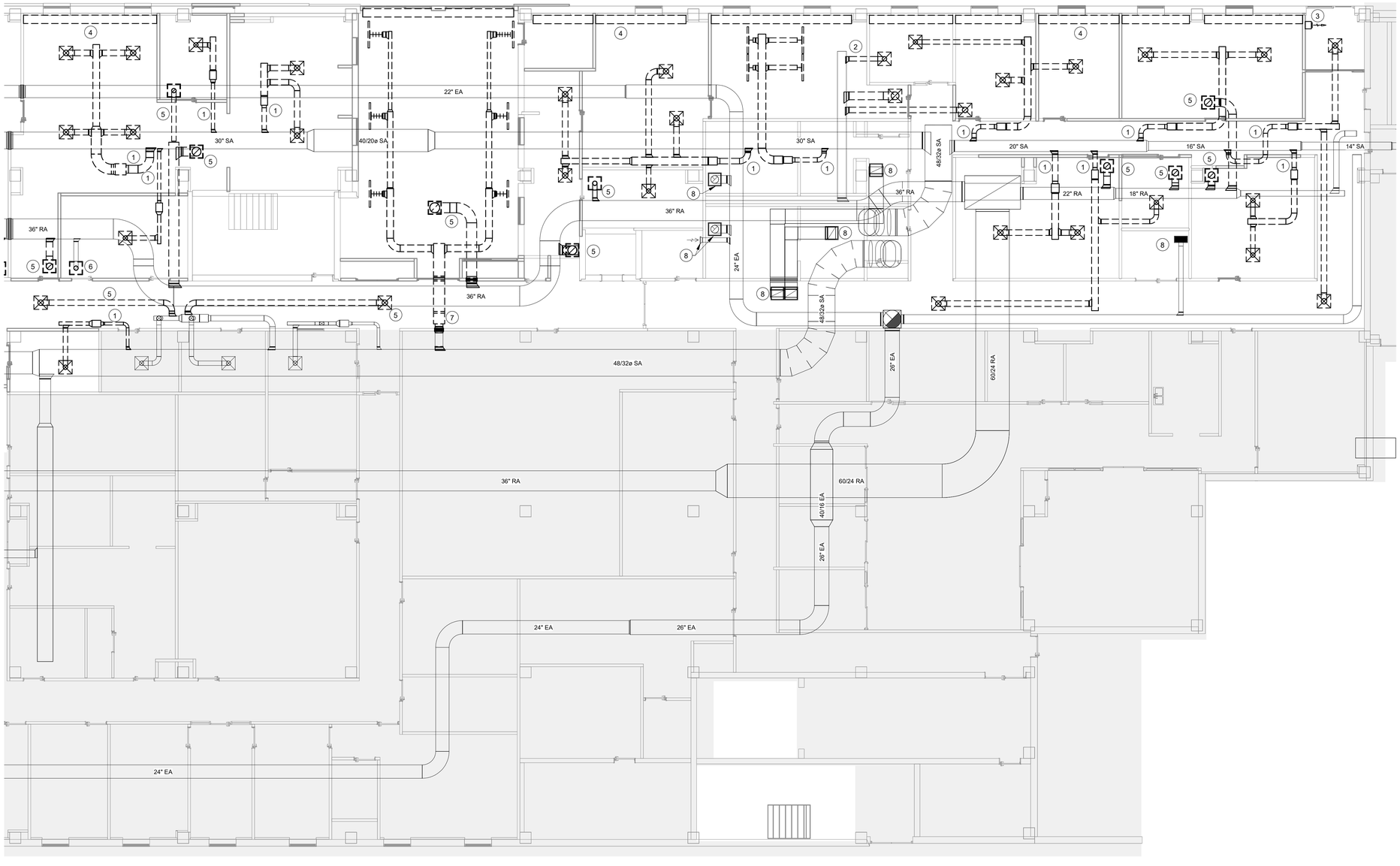
PLAN NOTES

1. REMOVE EXISTING DUCTWORK & VAV BOX BACK TO MAIN & CAP.
2. REMOVE EXISTING RETURN AIR AND EXHAUST GRILLES & PREP FOR RELOCATION. REFER TO MECHANICAL PLAN FOR RELOCATION PLAN.
3. REMOVE EXISTING CABINET HEATER AND PREP FOR RECONECTION OF REPLACEMENT UNIT.
4. REMOVE RADIANT CEILING PANELS AND ASSOCIATED PIPING BACK TO NEAREST MAIN. TYPICAL
5. REMOVE EXISTING DUCTWORK BACK TO MAIN.
6. REMOVE EXISTING DIFFUSER AND PREP FOR RECONNECTION WITH NEW DIFFUSER
7. REMOVE EXISTING DUCTWORK & VAV BOX BACK TO BEFORE FIRE DAMPER & CAP.
8. EXISTING TO REMAIN GRILLE AND DUCTWORK.



1 MD101 MAIN LEVEL KDPS MECHANICAL DEMO PLAN
1/8" = 1'-0"

N

KDPS | N.I.C
N.I.C

KEY PLAN - KDPS
NTS

City of Kalamazoo - Crosstown Facility

CPED & KDPS Workplace Renovation

150 E Crosstown Parkway Kalamazoo MI 49001

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MAIN LEVEL KDPS MECHANICAL DEMO PLAN

MD101

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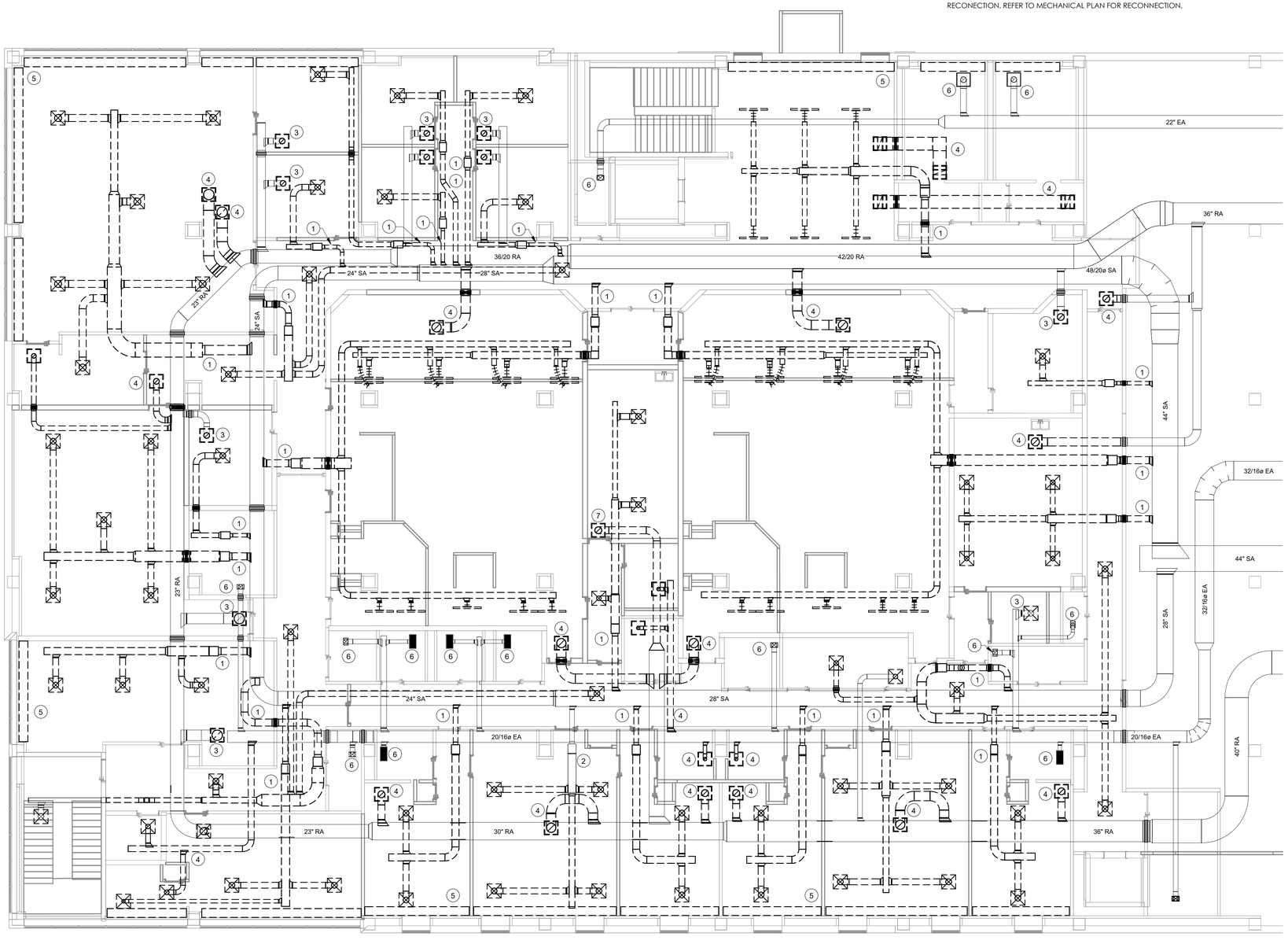
PLAN NOTES

1. REMOVE EXISTING DUCTWORK & VAV BOX BACK TO MAIN & CAP.
2. REMOVE EXISTING DUCTWORK BACK TO VAV BOX AND PREP FOR RELOCATION. REFER TO MECHANICAL PLAN FOR RELOCATION PLAN.
3. REMOVE EXISTING RETURN AIR AND EXHAUST GRILLES & PREP FOR RELOCATION. REFER TO MECHANICAL PLAN FOR RELOCATION PLAN.
4. REMOVE EXISTING RETURN AIR AND EXHAUST DUCTWORK BACK TO MAIN AND CAP.
5. REMOVE RADIANT CEILING PANELS AND ASSOCIATED PIPING BACK TO NEAREST MAIN. TYPICAL
6. EXISTING TO REMAIN GRILLE AND DUCTWORK.
7. DEMO RETURN AIR DUCT BACK TO POINT INDICATED AND PREP FOR RECONECTION. REFER TO MECHANICAL PLAN FOR RECONNECTION.



1 MD102 UPPER LEVEL CPED MECHANICAL DEMO PLAN
1/8" = 1'-0"

N

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KEY PLAN - CPED
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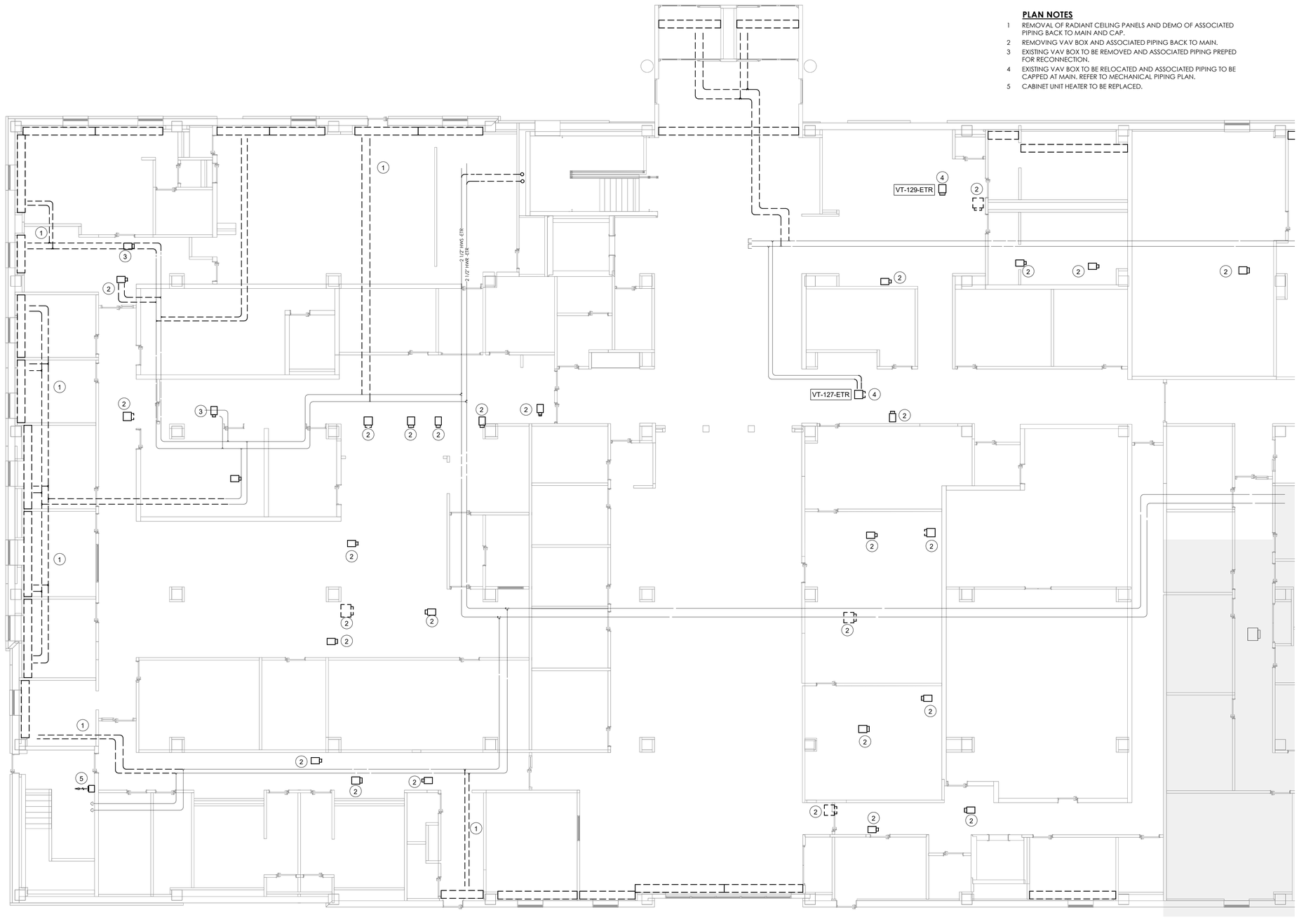
UPPER LEVEL CPED MECHANICAL DEMO PLAN

MD102

8/21/2025 12:30:29 Autodesk Docs://2430 Kalamazoo Crosstown Facility Renovation/2430 Kalamazoo ARP.rvt

PLAN NOTES

1. REMOVAL OF RADIANT CEILING PANELS AND DEMO OF ASSOCIATED PIPING BACK TO MAIN AND CAP.
2. REMOVING VAV BOX AND ASSOCIATED PIPING BACK TO MAIN.
3. EXISTING VAV BOX TO BE REMOVED AND ASSOCIATED PIPING PREPED FOR RECONNECTION.
4. EXISTING VAV BOX TO BE RELOCATED AND ASSOCIATED PIPING TO BE CAPPED AT MAIN. REFER TO MECHANICAL PIPING PLAN.
5. CABINET UNIT HEATER TO BE REPLACED.



1 MD200 MAIN LEVEL CPED HVAC PIPING DEMO PLAN
1/8" = 1'-0"

N

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KEY PLAN - CPED
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MAIN LEVEL CPED HVAC PIPING DEMO PLAN

MD200

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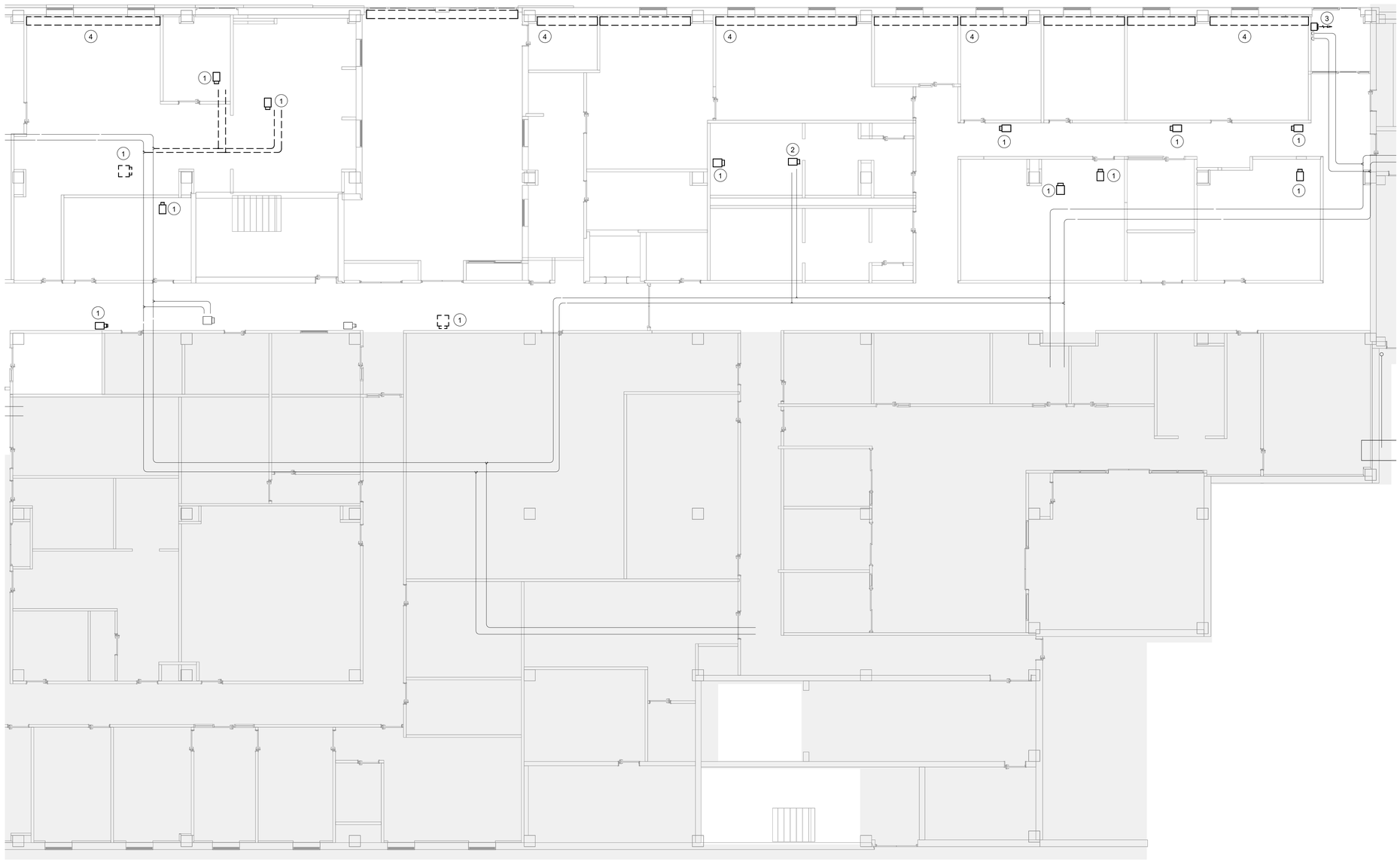
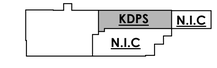
PLAN NOTES

1 EXISTING VAV BOXES TO BE REMOVED AND ASSOCIATED PIPING REMOVED BACK TO MAIN AND CAPPED.
2 EXISTING VAV BOXES TO BE REMOVED AND ASSOCIATED PIPING PREPPED FOR RECONNECTION.
3 CABINET UNIT HEATER TO BE REPLACED.
4 REMOVAL OF RADIANT CEILING PANELS AND DEMO OF ASSOCIATED PIPING BACK TO MAIN AND CAP.



1 MD201 MAIN LEVEL KDPS HVAC PIPING DEMO PLAN
1/8" = 1'-0"

N



KEY PLAN - KDPS
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MAIN LEVEL KDPS HVAC PIPING DEMO PLAN

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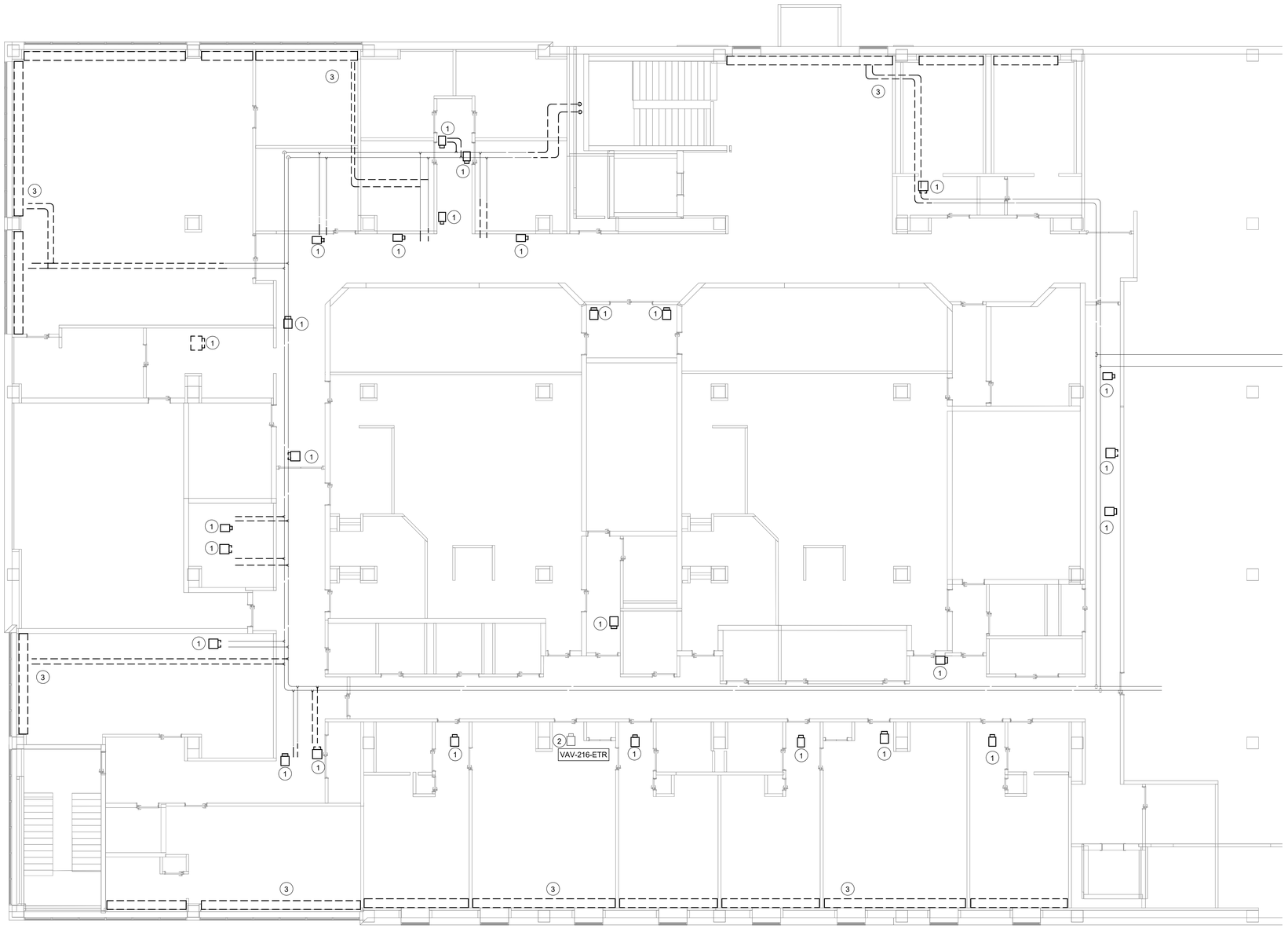
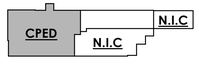
PLAN NOTES

1 EXISTING VAV BOXES TO BE REMOVED AND ASSOCIATED PIPING REMOVED BACK TO MAIN AND CAPPED.
2 EXISTING VAV BOX TO RAMAIN.
3 REMOVAL OF RADIANT CEILING PANELS AND DEMO OF ASSOCIATED PIPING BACK TO MAIN AND CAP.



1 MD202 UPPER LEVEL CPED HVAC PIPING DEMO PLAN
1/8" = 1'-0"

N



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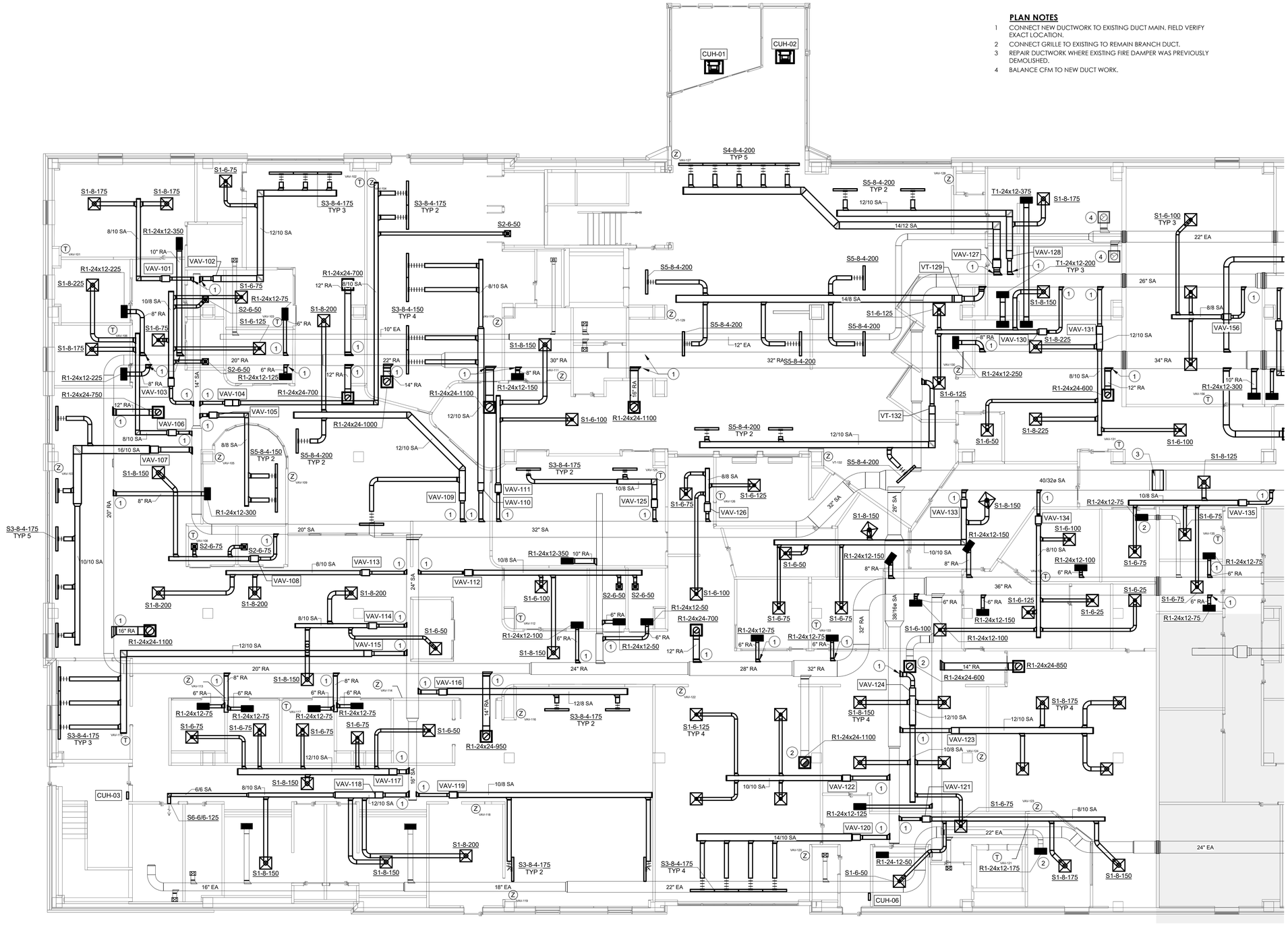
UPPER LEVEL CPED HVAC PIPING DEMO PLAN

MD202

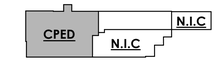
8/20/2025 12:50:32 Autodesk Docs://2430 Kalamazoo Crosstown Facility Renovation/2430 Kalamazoo MEP.rvt

PLAN NOTES

1. CONNECT NEW DUCTWORK TO EXISTING DUCT MAIN. FIELD VERIFY EXACT LOCATION.
2. CONNECT GRILLE TO EXISTING TO REMAIN BRANCH DUCT.
3. REPAIR DUCTWORK WHERE EXISTING FIRE DAMPER WAS PREVIOUSLY DEMOLISHED.
4. BALANCE CFM TO NEW DUCT WORK.



1 M100 MAIN LEVEL CPED MECHANICAL PLAN
1/8" = 1'-0"



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MAIN LEVEL CPED MECHANICAL PLAN

M100

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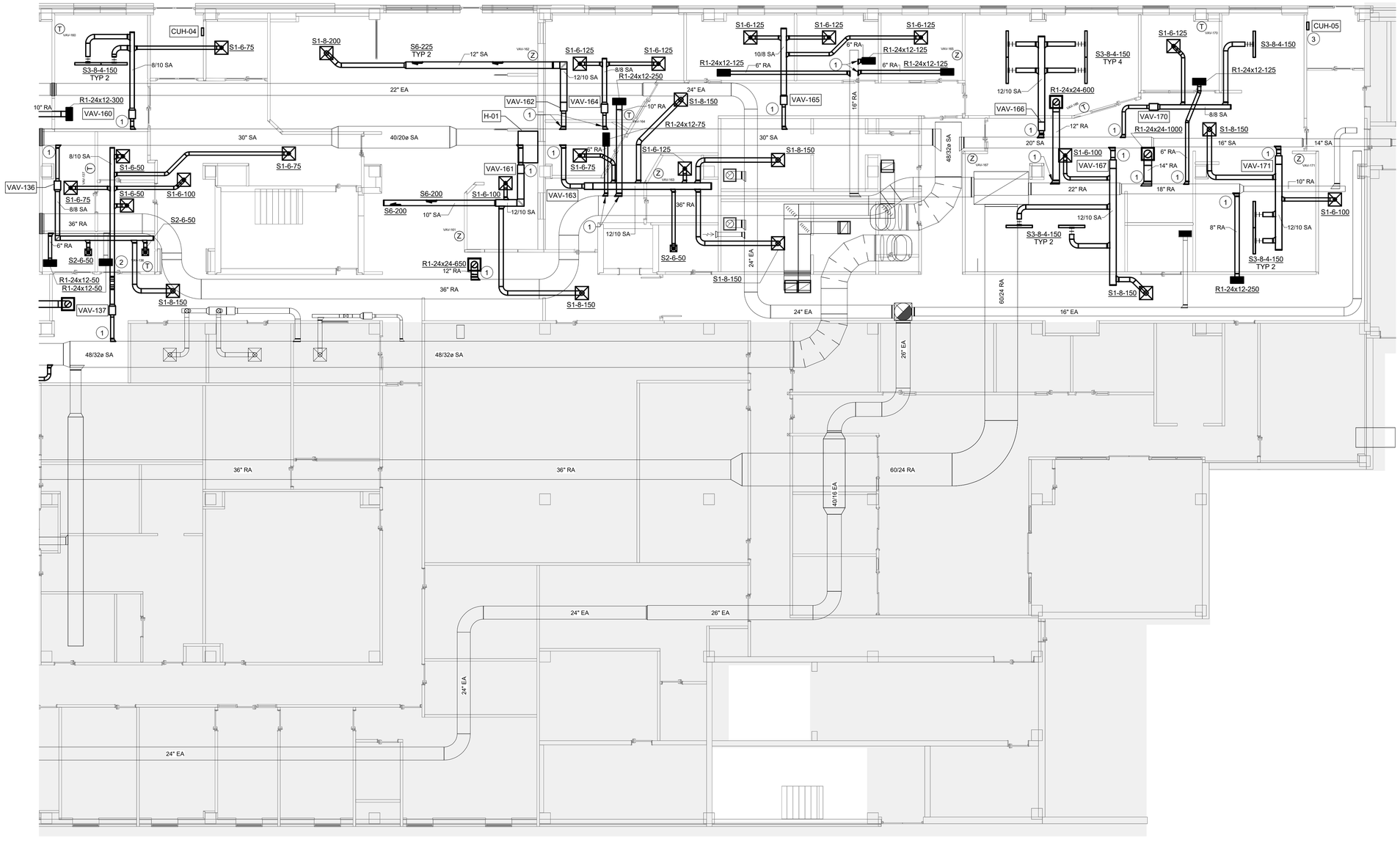
PLAN NOTES

1 CONNECT NEW DUCTWORK TO EXISTING MAIN.
2 CONNECT GRILLE TO THE EXISTING TO REMAIN BRANCH DUCT.
3 CONNECT NEW CABINET HEATER TO EXISTING PIPING.



1 M101 MAIN LEVEL KDPS MECHANICAL PLAN
1/8" = 1'-0"

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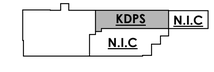

KEY PLAN - KDPS
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MAIN LEVEL KDPS MECHANICAL PLAN

M101

8/29/2025 12:38:24 Autodesk Docs://2400 Kalamazoo Crosstown Facility Renovation/2400 Kalamazoo M&P.rvt
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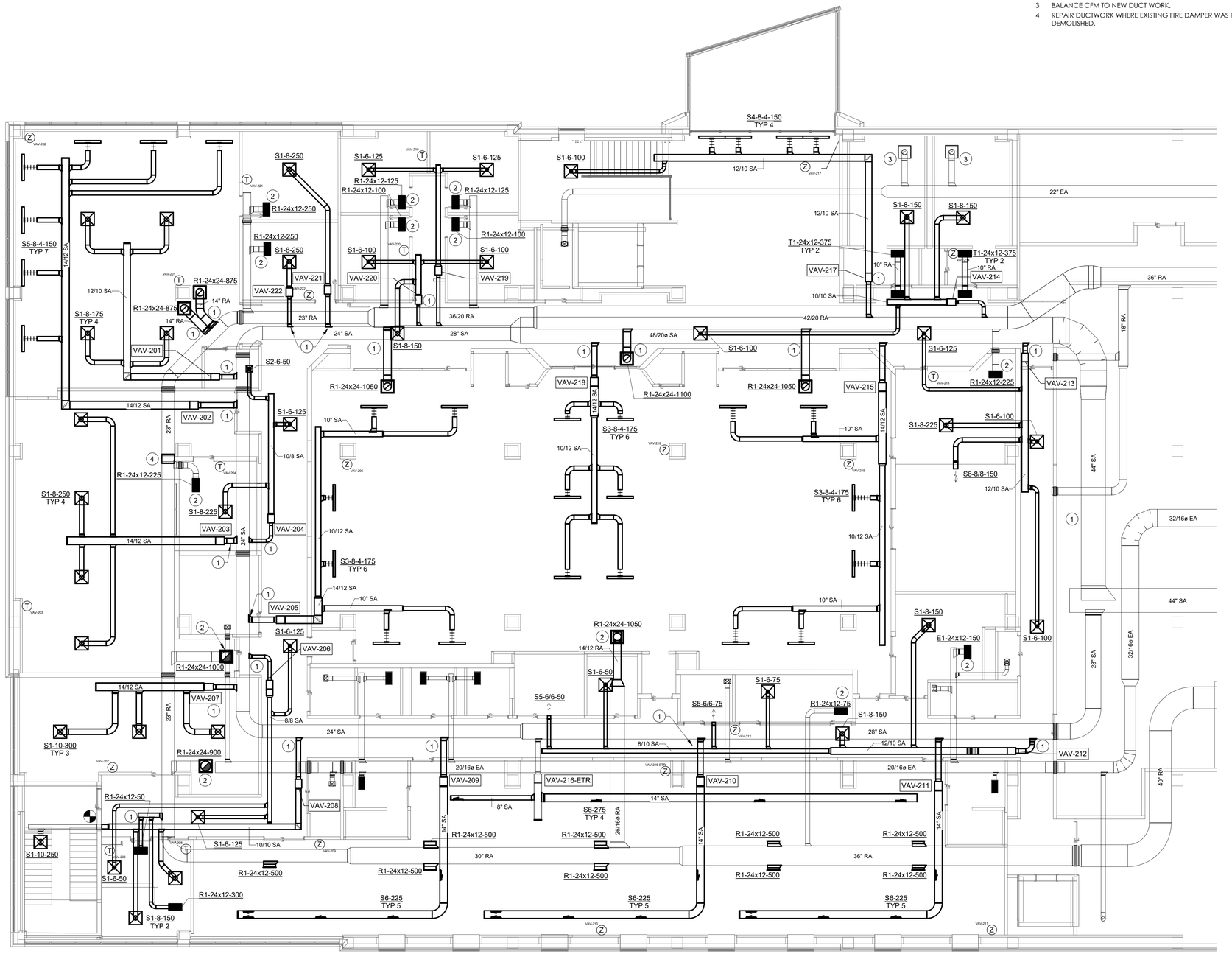
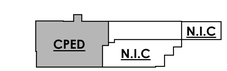
PLAN NOTES

1 CONNECT NEW DUCTWORK TO EXISTIING MAIN.
2 CONNECT GRILLE TO THE EXISTIING DUCTWORK
3 BALANCE CFM TO NEW DUCT WORK.
4 REPAIR DUCTWORK WHERE EXISTING FIRE DAMPER WAS PREVIOUSLY DEMOLISHED.



1 M102 UPPER LEVEL CPED MECHANICAL PLAN
1/8" = 1'-0"



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UPPER LEVEL CPED MECHANICAL PLAN

M102

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PLAN NOTES

1 CONNECT VAV BOX TO EXISTING PIPE.
2 CONNECT NEW CABINET HEATER TO EXISTING PIPING.
3 PIPING GOING UP TO UPPER LEVEL.
4 PIPING DOWN TO NEW CABINET HEATER.

CUH-01
CUH-02
CUH-03
CUH-06
VAV-101
VAV-102
VAV-103
VAV-104
VAV-105
VAV-106
VAV-107
VAV-108
VAV-109
VAV-110
VAV-111
VAV-112
VAV-113
VAV-114
VAV-115
VAV-116
VAV-117
VAV-118
VAV-119
VAV-120
VAV-121
VAV-122
VAV-123
VAV-124
VAV-125
VAV-126
VAV-127
VAV-128
VAV-130
VAV-131
VAV-133
VAV-134
VAV-135
VAV-156
VT-129
VT-132
2 1/2" HWR
2 1/2" HWS
2 1/2" HWR- ETR
2 1/2" HWS- ETR
1" HWR
1" HWS
3/4" HWR
3/4" HWS
1 1/4" HWR
1 1/4" HWS

1 M200 MAIN LEVEL CPED HVAC PIPING PLAN
1/8" = 1'-0"

N

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N.I.C
N.I.C

KEY PLAN - CPED
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MAIN LEVEL CPED HAVC PIPING PLAN

M200

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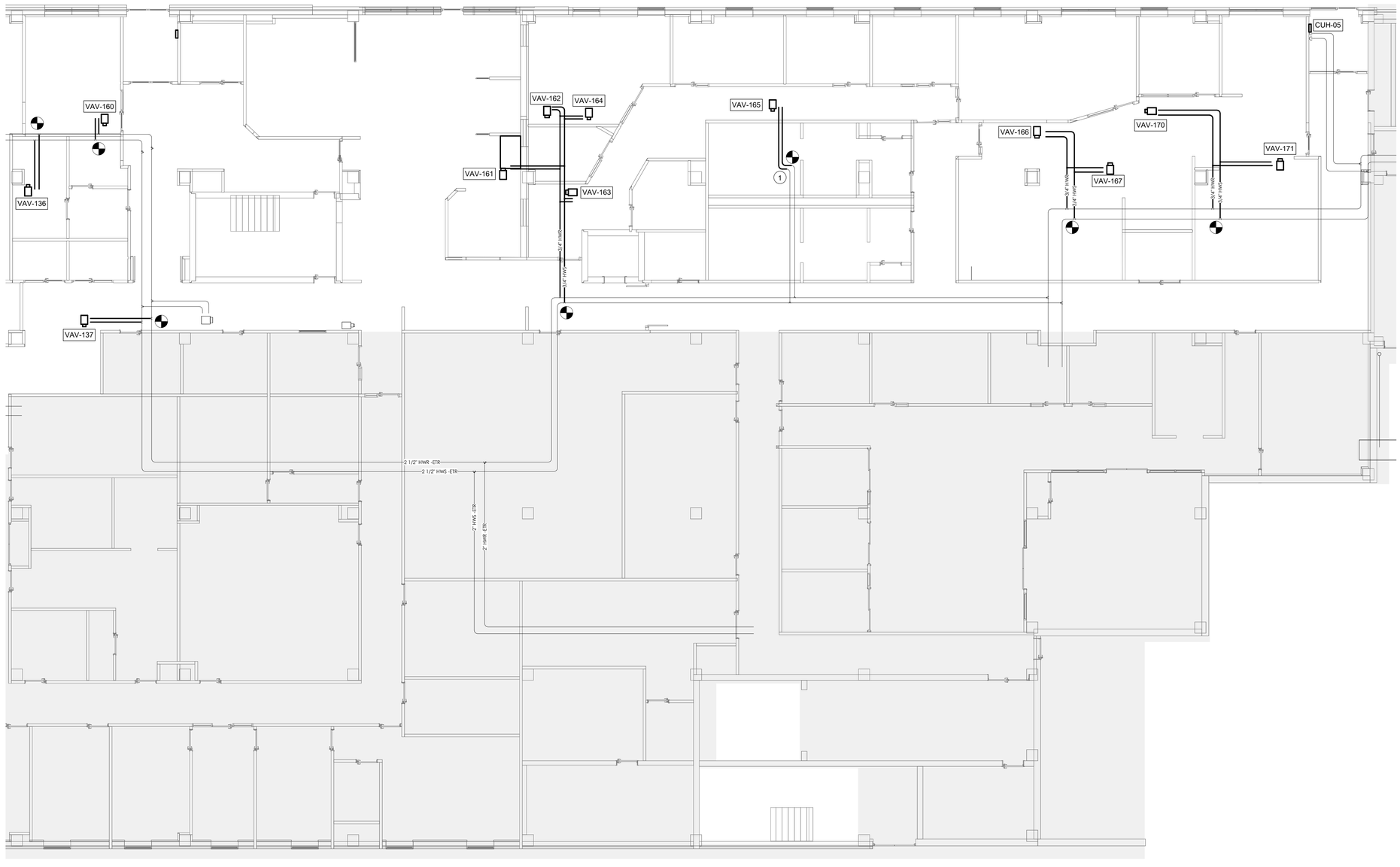
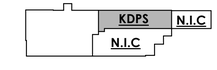
PLAN NOTES

1 CONNECT VAV BOX TO EXISTING PIPE.



1 / M201 MAIN LEVEL KDPS HVAC PIPING PLAN
1/8" = 1'-0"

N



KEY PLAN - KDPS
NTS

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MAIN LEVEL KDPS HVAC PIPING PLAN

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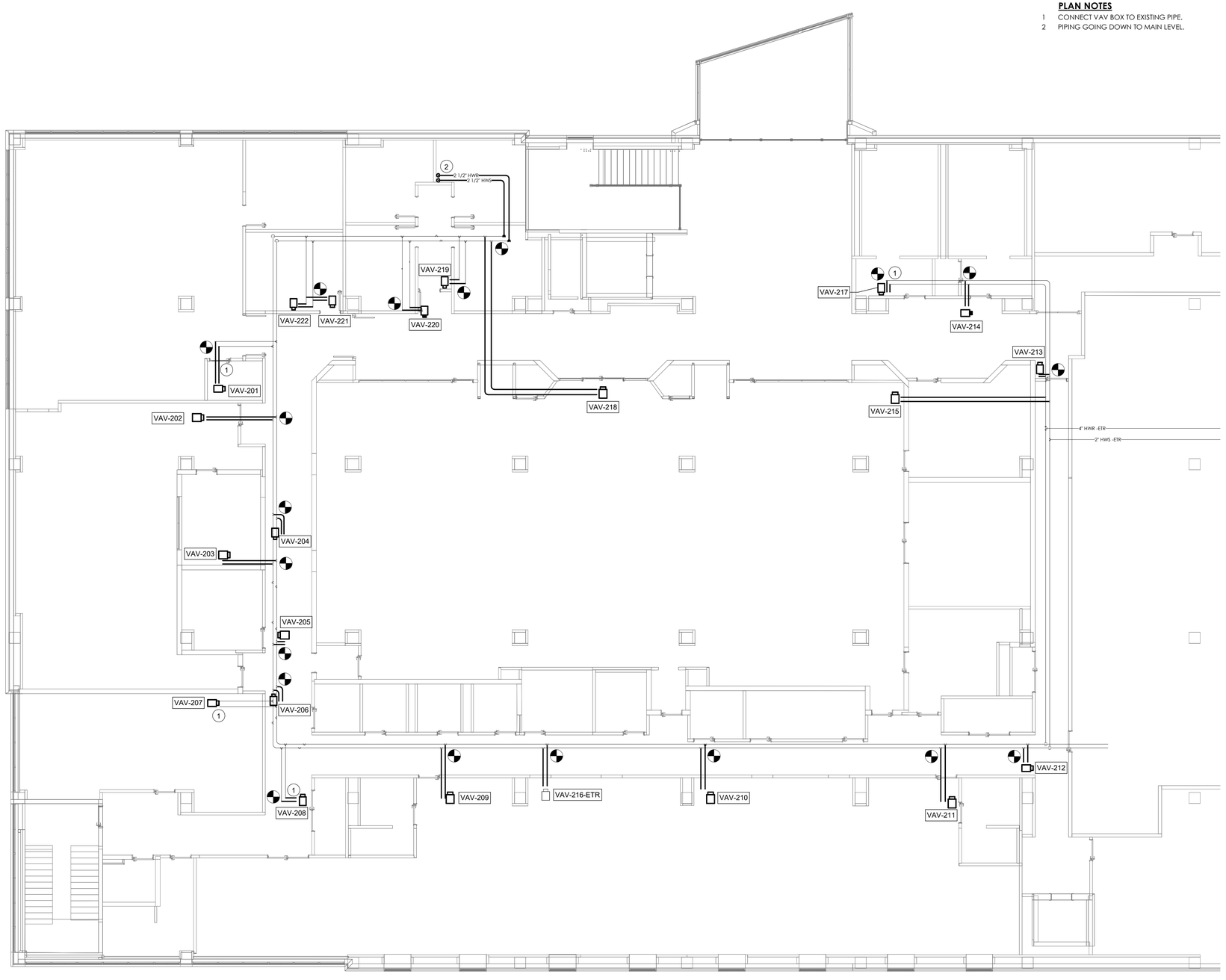
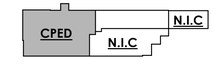
PLAN NOTES

1 CONNECT VAV BOX TO EXISTING PIPE.
2 PIPING GOING DOWN TO MAIN LEVEL.



1 M202 UPPER LEVEL CPED HVAC PIPING PLAN
1/8" = 1'-0"

N



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UPPER LEVEL CPED HVAC PIPING PLAN

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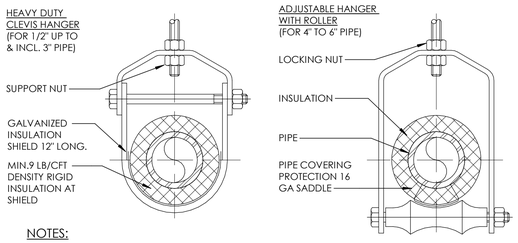
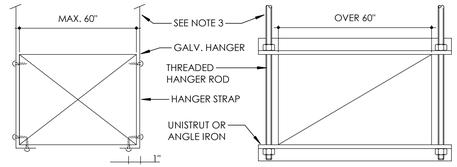


NOTES:

1. SEE SPECIFICATION FOR HANGER SIZES.
2. PIPE 8" AND LARGER SHALL HAVE ROLLER SUPPORTED WITH DUAL RODS.
3. FOR CHW SERVICE OVER 3" REPLACE SADDLE WITH 12" LONG 14 GA SHIELD WITH RIGID INSULATION BETWEEN PIPE AND SHIELD.

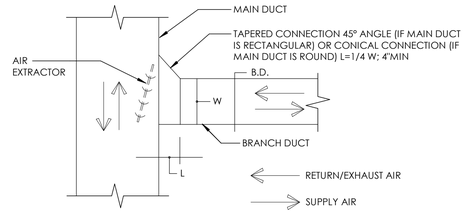
2 M501 PIPE HANGER SUPPORT DETAIL
NOT TO SCALE



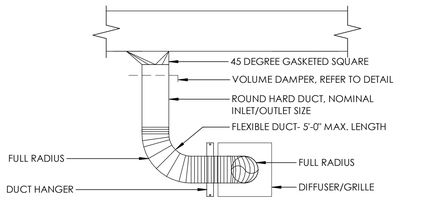
NOTES:

1. ON DUCTS OVER 48" WIDE, BOTTOM SHALL BE BRACED BY ANGLE, FOR CROSS SECTION AREA MORE THAN 8 SQ FT, DUCT SHALL BE BRACED BY ANGLES ON ALL FOUR SIDES.
2. CUTTING AND PATCHING SHALL BE LIMITED TO A MINIMUM AS REQUIRED FOR PROPER INSTALLATION.
3. SUPPORTS SHALL BE SPACED AND SIZED AS PER SMACNA.

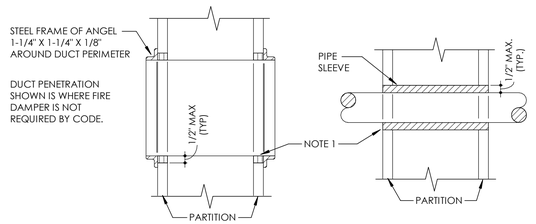
3 M501 DUCT HANGER SUPPORT DETAIL
NOT TO SCALE



8 M501 BRANCH TAKE-OFFS DETAIL
NOT TO SCALE



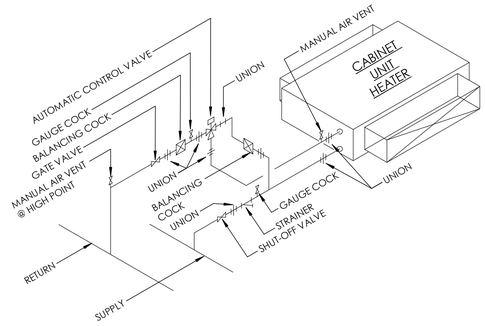
12 M501 DUCT DIFFUSER CONNECTION
NOT TO SCALE



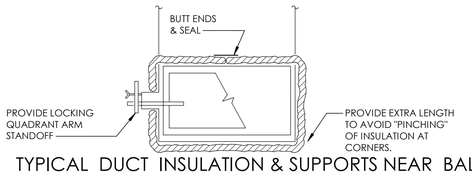
NOTES:

1. AT FIRE RATED PARTITIONS, ADD ADDITIONAL LAYER OF FIRE SAFING INSULATION AROUND PENETRATION SO AS TO FILL CAVITY.
2. DUCT AND PIPE PENETRATIONS THRU CORRIDOR WALLS ABOVE THE CEILING ARE TO BE FIRE STOPPED AROUND THE PENETRATION.

4 M501 DUCT AND PIPE PENETRATIONS
NOT TO SCALE

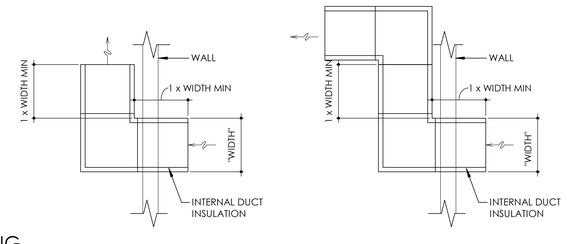


10 M501 CABINET UNIT HEATER PIPING DIAGRAM
NOT TO SCALE

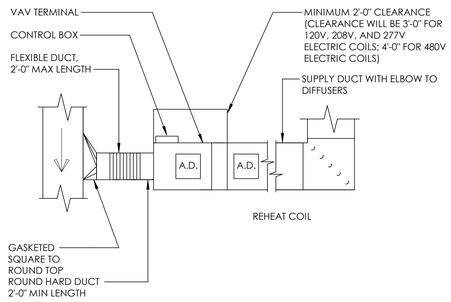


TYPICAL DUCT INSULATION & SUPPORTS NEAR BALANCING DAMPERS

9 M501
NOT TO SCALE



17 M501 DUCT- "L" & "Z" SHAPED TRANSFER
NOT TO SCALE



19 M501 DUCT VARIABLE AIR VOLUME TERMINAL WITH REHEAT COIL
NOT TO SCALE

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MECHANICAL DETAILS

M501

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VARIABLE AIR VOLUME TERMINAL BOX (VAV) SCHEDULE (MAIN LEVEL)

MARK	MANUFACTURER	MODEL	AIRFLOW		REHEAT COIL DATA											REMARKS
			MAX CFM	MIN CFM	REHEAT CFM	CAPACITY MBH	ROWS	FLOW GPM	EAT F	LAT F	EWT F	LWT F	COIL FPI	APD IN WC	WPD FT	
VAV-101	TUTTLE AND BAILEY	SDV 06	350	200	200	8.5	1	2.0	55	94	180	171	10	0.04	1.8	1-6
VAV-102	TUTTLE AND BAILEY	SDV 08	600	300	300	10.7	1	1.0	55	88	180	158	10	0.04	0.7	1-6
VAV-103	TUTTLE AND BAILEY	SDV 06	375	150	150	6.8	1	1.0	55	97	180	166	10	0.02	0.5	1-6
VAV-104	TUTTLE AND BAILEY	SDV 06	400	200	200	7.8	1	1.0	55	91	180	164	10	0.04	0.5	1-6
VAV-105	TUTTLE AND BAILEY	SDV 06	300	150	150	6.8	1	1.0	55	97	180	166	10	0.02	0.5	1-6
VAV-106	TUTTLE AND BAILEY	SDV 06	400	150	150	6.8	1	1.0	55	97	180	166	10	0.02	0.5	1-6
VAV-107	TUTTLE AND BAILEY	SDV 10	875	500	500	18.1	1	3.0	55	89	180	168	10	0.06	0.9	1-6
VAV-108	TUTTLE AND BAILEY	SDV 06	300	150	150	6.8	1	1.0	55	97	180	166	10	0.02	0.5	1-6
VAV-109	TUTTLE AND BAILEY	SDV 08	600	300	300	10.7	1	1.0	55	88	180	158	10	0.04	0.7	1-6
VAV-110	TUTTLE AND BAILEY	SDV 08	600	300	300	10.7	1	1.0	55	88	180	158	10	0.04	0.7	1-6
VAV-111	TUTTLE AND BAILEY	SDV 06	250	150	150	6.8	1	1.0	55	97	180	166	10	0.02	0.5	1-6
VAV-112	TUTTLE AND BAILEY	SDV 06	350	150	150	6.8	1	1.0	55	97	180	166	10	0.02	0.5	1-6
VAV-113	TUTTLE AND BAILEY	SDV 06	400	200	200	7.8	1	1.0	55	91	180	164	10	0.04	0.5	1-6
VAV-114	TUTTLE AND BAILEY	SDV 06	400	200	200	7.8	1	1.0	55	91	180	164	10	0.04	0.5	1-6
VAV-115	TUTTLE AND BAILEY	SDV 08	525	200	200	8.9	1	1.0	55	96	180	162	10	0.02	0.7	1-6
VAV-116	TUTTLE AND BAILEY	SDV 06	350	250	250	8.3	1	1.0	55	86	180	163	10	0.05	0.5	1-6
VAV-117	TUTTLE AND BAILEY	SDV 08	500	200	200	8.9	1	1.0	55	96	180	162	10	0.02	0.7	1-6
VAV-118	TUTTLE AND BAILEY	SDV 08	625	300	300	10.7	1	1.0	55	88	180	158	10	0.04	0.7	1-6
VAV-119	TUTTLE AND BAILEY	SDV 06	350	200	200	7.8	1	1.0	55	91	180	164	10	0.04	0.5	1-6
VAV-120	TUTTLE AND BAILEY	SDV 08	700	300	300	10.7	1	1.0	55	88	180	158	10	0.04	0.7	1-6
VAV-121	TUTTLE AND BAILEY	SDV 06	375	200	200	8.5	1	2.0	55	94	180	171	10	0.04	1.8	1-6
VAV-122	TUTTLE AND BAILEY	SDV 08	500	200	200	8.9	1	1.0	55	96	180	162	10	0.02	0.7	1-6
VAV-123	TUTTLE AND BAILEY	SDV 08	700	300	300	10.7	1	1.0	55	88	180	158	10	0.04	0.7	1-6
VAV-124	TUTTLE AND BAILEY	SDV 08	675	300	300	10.7	1	1.0	55	88	180	158	10	0.04	0.7	1-6
VAV-125	TUTTLE AND BAILEY	SDV 06	350	250	250	8.3	1	1.0	55	86	180	163	10	0.05	0.5	1-6
VAV-126	TUTTLE AND BAILEY	SDV 06	300	150	150	6.8	1	1.0	55	97	180	166	10	0.02	0.5	1-6
VAV-127	ETR	--	1,000	500	500	18.1	1	3.0	55	89	180	168	10	0.06	0.9	1-6
VAV-128	TUTTLE AND BAILEY	SDV 08	575	300	300	11.8	1	2.0	55	91	180	168	10	0.04	2.5	1-6
VAV-129	ETR	--	1,000	500	500	18.1	1	3.0	55	89	180	168	10	0.06	0.9	1-6
VAV-130	TUTTLE AND BAILEY	SDV 06	400	200	200	7.8	1	1.0	55	91	180	164	10	0.04	0.5	1-6
VAV-131	TUTTLE AND BAILEY	SDV 08	600	300	300	10.7	1	1.0	55	88	180	158	10	0.04	0.7	1-6
VAV-132	TUTTLE AND BAILEY	SDV 08	600	300	300	10.7	1	1.0	55	88	180	158	10	0.04	0.7	1-6
VAV-133	TUTTLE AND BAILEY	SDV 08	500	200	200	8.9	1	1.0	55	96	180	162	10	0.02	0.7	1-6
VAV-134	TUTTLE AND BAILEY	SDV 06	375	150	150	6.8	1	1.0	55	97	180	166	10	0.02	0.5	1-6
VAV-135	TUTTLE AND BAILEY	SDV 06	350	150	150	6.8	1	1.0	55	97	180	166	10	0.02	0.5	1-6
VAV-136	TUTTLE AND BAILEY	SDV 06	250	150	150	6.8	1	1.0	55	97	180	166	10	0.02	0.5	1-6
VAV-137	TUTTLE AND BAILEY	SDV 06	350	150	150	6.8	1	1.0	55	97	180	166	10	0.02	0.5	1-6
VAV-156	TUTTLE AND BAILEY	SDV 06	300	250	250	8.3	1	1.0	55	86	180	163	10	0.05	0.5	1-6
VAV-160	TUTTLE AND BAILEY	SDV 06	375	150	150	6.8	1	1.0	55	97	180	166	10	0.02	0.5	1-6
VAV-161	TUTTLE AND BAILEY	SDV 08	650	300	300	10.7	1	1.0	55	88	180	158	10	0.04	0.7	1-6
VAV-162	TUTTLE AND BAILEY	SDV 08	650	300	300	11.8	1	2.0	55	91	180	168	10	0.04	2.5	1-6
VAV-163	TUTTLE AND BAILEY	SDV 08	700	300	300	10.7	1	1.0	55	88	180	158	10	0.04	0.7	1-6
VAV-164	TUTTLE AND BAILEY	SDV 06	250	150	150	6.8	1	1.0	55	97	180	166	10	0.02	0.5	1-6
VAV-165	TUTTLE AND BAILEY	SDV 06	375	200	200	8.5	1	2.0	55	94	180	171	10	0.04	1.8	1-6
VAV-166	TUTTLE AND BAILEY	SDV 08	600	300	300	10.7	1	1.0	55	88	180	158	10	0.04	0.7	1-6
VAV-167	TUTTLE AND BAILEY	SDV 08	550	300	300	10.7	1	1.0	55	88	180	158	10	0.04	0.7	1-6
VAV-170	TUTTLE AND BAILEY	SDV 06	275	150	150	6.8	1	1.0	55	97	180	166	10	0.02	0.5	1-6
VAV-171	TUTTLE AND BAILEY	SDV 08	550	200	200	8.9	1	1.0	55	96	180	162	10	0.02	0.7	1-6

REMARKS:

1. PROVIDE HANGER KIT MOUNTED FROM STRUCTURE ABOVE.
2. PROVIDE ACCESS PANEL IN HARD CEILINGS.
3. BACNET INTERFACE TIED INTO BAS.
4. TERMINAL BOXES SIZED AT MAXIMUM 23 DIS. NC AND MAXIMUM 23 RAD. NC PROVIDE. 1/2" INSULATION LINER.
5. SEE PLANS FOR INTENDED LEFT HAND / RIGHT HAND ORIENTATION. COORDINATE FINAL LH/RH PRIOR TO SUBMITTING EQUIPMENT FOR APPROVAL.
6. REFER TO PLANS FOR ZONE SENSOR / THERMOSTAT LOCATIONS, RELOCATIONS IN PUBLIC AREAS TO BE APPROVED BY ARCHITECT. COORDINATE LOCATIONS WITH OTHER TRADES PRIOR TO ROUGH-IN.

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CPED & KDPS Workplace Renovation
150 E Crosstown Parkway Kalamazoo MI 49001

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VARIABLE AIR VOLUME TERMINAL BOX (VAV) SCHEDULE (UPPER LEVEL)

MARK	MANUFACTURER	MODEL	AIRFLOW		REHEAT COIL DATA											REMARKS
			MAX CFM	MIN CFM	REHEAT CFM	CAPACITY MBH	ROWS	FLOW GPM	EAT F	LAT F	EWT F	LWT F	COIL FPI	APD FT	WPD FT	
VAV-201	TUTTLE AND BAILEY	SDV 08	700	300	300	10.7	1	1.0	55	88	180	158	10	0.04	0.7	1-6
VAV-202	TUTTLE AND BAILEY	SDV 10	1,050	500	500	18.1	1	3.0	55	89	180	168	10	0.06	0.9	1-6
VAV-203	TUTTLE AND BAILEY	SDV 10	1,000	500	500	14.6	1	1.0	55	82	180	150	10	0.06	0.1	1-6
VAV-204	TUTTLE AND BAILEY	SDV 06	350	150	150	6.8	1	1.0	55	97	180	166	10	0.02	0.5	1-6
VAV-205	TUTTLE AND BAILEY	SDV 10	1,050	700	700	16.3	1	1.0	55	77	180	147	10	0.10	0.1	1-6
VAV-206	TUTTLE AND BAILEY	SDV 06	300	150	150	6.8	1	1.0	55	97	180	166	10	0.02	0.5	1-6
VAV-207	TUTTLE AND BAILEY	SDV 10	900	500	500	18.1	1	3.0	55	89	180	168	10	0.06	0.9	1-6
VAV-208	TUTTLE AND BAILEY	SDV 08	550	300	300	10.7	1	1.0	55	88	180	158	10	0.04	0.7	1-6
VAV-209	TUTTLE AND BAILEY	SDV 10	1,125	500	500	18.1	1	3.0	55	89	180	168	10	0.06	0.9	1-6
VAV-210	TUTTLE AND BAILEY	SDV 10	1,125	500	500	18.1	1	3.0	55	89	180	168	10	0.06	0.9	1-6
VAV-211	TUTTLE AND BAILEY	SDV 10	1,125	500	500	18.1	1	3.0	55	89	180	168	10	0.06	0.9	1-6
VAV-212	TUTTLE AND BAILEY	SDV 08	550	200	200	8.9	1	1.0	55	96	180	162	10	0.02	0.7	1-6
VAV-213	TUTTLE AND BAILEY	SDV 08	700	300	300	10.7	1	1.0	55	88	180	158	10	0.04	0.7	1-6
VAV-214	TUTTLE AND BAILEY	SDV 06	400	200	200	8.5	1	2.0	55	94	180	171	10	0.04	1.8	1-6
VAV-215	TUTTLE AND BAILEY	SDV 10	1,050	700	700	16.3	1	1.0	55	77	180	147	10	0.10	0.1	1-6
VAV-216	ETR	--	1,100	700	700	16.3	1	1.0	55	77	180	147	10	0.10	0.1	1-6
VAV-217	TUTTLE AND BAILEY	SDV 08	700	350	350	12.7	1	2.0	55	89	180	167	10	0.06	2.5	1-6
VAV-218	TUTTLE AND BAILEY	SDV 10	1,050	700	700	16.3	1	1.0	55	77	180	147	10	0.10	0.1	1-6
VAV-219	TUTTLE AND BAILEY	SDV 06	250	150	150	6.8	1	1.0	55	97	180	166	10	0.02	0.5	1-6
VAV-220	TUTTLE AND BAILEY	SDV 06	350	150	150	6.8	1	1.0	55	97	180	166	10	0.02	0.5	1-6
VAV-221	TUTTLE AND BAILEY	SDV 06	250	150	150	6.8	1	1.0	55	97	180	166	10	0.02	0.5	1-6
VAV-222	TUTTLE AND BAILEY	SDV 06	250	150	150	6.8	1	1.0	55	97	180	166	10	0.02	0.5	1-6

REMARKS:

1. PROVIDE HANGER KIT MOUNTED FROM STRUCTURE ABOVE.
2. PROVIDE ACCESS PANEL IN HARD CEILINGS.
3. BACNET INTERFACE TIED INTO BAS.
4. TERMINAL BOXES SIZED AT MAXIMUM 23 DIS. NC AND MAXIMUM 23 RAD. NC PROVIDE. 1/2" INSULATION LINER.
5. SEE PLANS FOR INTENDED LEFT HAND / RIGHT HAND ORIENTATION. COORDINATE FINAL LH/RH PRIOR TO SUBMITTING EQUIPMENT FOR APPROVAL.
6. REFER TO PLANS FOR ZONE SENSOR / THERMOSTAT LOCATIONS, RELOCATIONS IN PUBLIC AREAS TO BE APPROVED BY ARCHITECT. COORDINATE LOCATIONS WITH OTHER TRADES PRIOR TO ROUGH-IN.

CABINET UNIT HEATER (CUH) SCHEDULE

MARK	MANUFACTURER	MODEL	TYPE	MOUNTING LOCATION	HEATING DATA				ELECTRICAL DATA			WEIGHT LBS	REMARKS
					CAPACITY MBH	EWT F	LWT F	FLOW GPM	VOLTAGE	MCA	MOCP		
CUH-01	VULCAN	RC-04	CEILING RECESSED	VESTIBULE 170	29.0	180	160	2.5	120/1	1.4	15	135	1-3
CUH-02	VULCAN	RC-04	CEILING RECESSED	WELCOME 171	29.0	180	160	2.5	120/1	1.4	15	135	1-3
CUH-03	VULCAN	W-04	WALL SURFACE MTD	STAIR S-1	29.0	180	160	2.5	120/1	0.8	15	128	1-**3**
CUH-04	VULCAN	W-02	WALL SURFACE MTD	VESTIBULE 193	16.2	180	160	1.5	120/1	0.8	15	97	1-3
CUH-05	VULCAN	W-02	WALL SURFACE MTD	VESTIBULE 267	16.2	180	160	1.5	120/1	0.8	15	97	1-3
CUH-06	VULCAN	W-02	WALL SURFACE MTD	CORRIDOR 161	16.2	180	160	1.5	120/1	0.8	15	97	1-3

REMARKS:

1. DISCONNECT TO BE PROVIDED BY E.C.
2. UNIT CONTROL TO HAVE INTEGRAL THERMOSTAT.
3. ARRANGEMENT TO BE FRONT IN, FRONT OUT.

RECIRCULATION HOOD (H) SCHEDULE

MARK	MANUFACTURER	MODEL	TYPE	SERVICE	AIRFLOW CFM	ESP IN WC	ELECTRICAL DATA			WEIGHT LBS	REMARKS
							VOLTAGE	MCA	MOCP		
H-01	GREENCHECK	GRRS-W-30-F	WALL MOUNTED RECIRCULATED	KITCHEN 197	250	0.2	120/1	1	15	90	1-6

REMARKS:

1. INTEGRAL FAN WITH FRONT RETICULATION.
2. SELF-CONTAINED INTEGRATED FIRE SUPPRESSION SYSTEM.
3. SURFACE MOUNTED MANUAL PULL STATION.
4. HOOD MOUNTED TOUCH SCREEN USER INTERFACE.
5. ELECTRICAL RANGE DISCONNECT.
6. MESH GREASE FILTER.

DIFFUSER, REGISTER, & GRILLE SCHEDULE

MARK	MANUFACTURER	MODEL	DESCRIPTION	MATERIAL	FINISH	FRAME TYPE	SIZE	MAX NC	REMARKS
S1	TITUS	OMNI	SQUARE PLAQUE DIFFUSER	STEEL	WHITE	SEE PLANS	2'X2' (UON)	25	--
S2	TITUS	300FL	DOUBLE DEFLECTION LOUVERED GRILLE	STEEL	WHITE	SEE PLANS	SEE PLANS	25	--
S3	TITUS	TBD10	T-BAR ADJUSTABLE THROW LINEAR DIFFUSER	STEEL	WHITE	LAY-IN	SINGLE 1" SLOT	25	1
S4	TITUS	FL10	CONTINUOUS SINGLE SLOT DIFFUSER	ALUMINUM	WHITE	CONCEALED	SINGLE 1" SLOT	25	1,2,3,4
S5	TITUS	FL10	CONTINUOUS SINGLE SLOT DIFFUSER	ALUMINUM	WHITE	CONCEALED	SINGLE 1" SLOT	25	1,2,3,5
S6	TITUS	S300FL	DUCT MOUNTED GRILLE	STEEL	WHITE	DUCT MTD	SEE PLANS	25	--
S7	TITUS	CT400	LINEAR BAR GRILLE	ALUMINUM	WHITE	SEE PLANS	SEE PLANS	25	3
R1	TITUS	350FL	RECTANGULAR LOUVERED GRILLE	STEEL	WHITE	SEE PLANS	SEE PLANS	25	--
T1	TITUS	350FL	RECTANGULAR LOUVERED GRILLE	ALUMINUM	WHITE	SEE PLANS	SEE PLANS	25	--
E1	TITUS	350FL	RECTANGULAR LOUVERED GRILLE	ALUMINUM	WHITE	SEE PLANS	SEE PLANS	25	--

REMARKS:

1. PROVIDE WITH CABLE OPERATED DAMPER WHERE DAMPER NOT EASILY ACCESSIBLE.
2. PROVIDE WITH CONCEALED MUD-IN FRAME WHERE INSTALLED IN HARD CEILING OR WALL.
3. WHERE TWO OR MORE DIFFUSERS / GRILLES ARE SIDE BY SIDE THEY ARE TO BE INSTALLED SO AS TO PROVIDE A CONTINUOUS APPEARANCE FOR THE ENTIRE LENGTH.
4. PROVIDE WITH JET THROW PATTERN CONTROLLER.
5. PROVIDE WITH HIGHTHROW PATTERN CONTROLLER.

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ELECTRICAL SITE NOTES:

A. ELECTRICAL CONTRACTOR TO COORDINATE ALL UNDERGROUND UTILITIES WITH MECHANICAL CONTRACTOR'S SEWER, WATER AND GAS LINE LOCATIONS.

B. ELECTRICAL CONTRACTOR TO PROVIDE ALL TRENCH AND BACK FILL REQUIRED FOR WORK SHOWN ON PLANS. ALL WORK IS TO COMPLY WITH DIVISION 1 REQUIREMENTS FOR UNDERGROUND UTILITIES AND TRENCH AND BACKFILL ETC.

C. ALL WIRING IS TO BE #10 AWG MINIMUM THHN/THWN (90 DEG. C) IN 1 1/2" SCHEDULE 40 PVC (MINIMUM SIZE). TRENCH AND BACK FILL TO 30" DEEP. CLEAN BACKFILL USING SITE MATERIALS MAY BE USED. PROVIDE PREMIUM BACKFILL WHERE SITE MATERIALS ARE NOT ACCEPTABLE FOR USE.

D. ALL CONDUIT ENTRIES TO THE BUILDING SHALL PITCH AWAY FROM BUILDING WALLS. SEAL PENETRATIONS WATERTIGHT WITH LINK-SEAL PIPE SEALS OR APPROVED EQUIVALENT. FOR PENETRATIONS TO THE BUILDING BY ALL SERVICE CONDUITS AND CONDUITS GREATER OR EQUAL THAN 2" IN DIAMETER, PROVIDE A DUCT SEALING SYSTEM AT THE BUILDING. ACCEPTABLE DUCT SEALING SYSTEM IS RAYCHEM'S RCDSS OR APPROVED EQUIVALENT.

E. PROVIDE WARNING TAPE ABOVE ALL ELECTRICAL CIRCUITS. WARNING TAPE FOR SITE LIGHTING CIRCUITS TO BE 9" BELOW GRADE, 3" WIDE, RED WITH ELECTRICAL WARNING.

F. POLE BASE COVERS ARE TO BE INSTALLED SO THAT THE BASE COVER FITS FLUSH TO THE TOP OF THE CONCRETE BASE. LEVELING SHIMS AND NUTS SHALL NOT CAUSE A GAP BETWEEN THE POLE BASE AND THE BASE COVER.

G. ALL POLE BASES SHALL HAVE A HONEYCOMBING AND SONOTUBE MARKINGS FILLED AND MADE SMOOTH WITH CONCRETE AFTER TUBE REMOVAL. COAT WITH TWO (2) COATS "THURO-SEAL" PER MANUFACTURER'S DIRECTIONS.

H. POLE BASE DESIGN MUST BE VERIFIED WITH LOCAL GRADE CONDITIONS FOR DENSITY AND CONSISTENCY.

I. CUT AND PATCH EXISTING PAVING AS REQUIRED FOR THE INSTALLATION OF NEW WIRING WHERE PAVING EXISTS.

DEMOLITION NOTES:

'X' = INDICATES EXISTING DEVICE TO REMAIN.

'XR' = INDICATES EXISTING DEVICE TO BE REMOVED, INCLUDING ALL CONDUIT AND WIRING BACK TO PANEL OR POINT OF COMMON USAGE.

'XRL' = INDICATES EXISTING DEVICE TO BE REMOVED AND RELOCATED. REWIRE WITH LIKE KIND OR AS SHOWN ON DRAWING. CORRESPONDS WITH 'XNL'.

'XNL' = INDICATES NEW LOCATION OF RELOCATED EQUIPMENT. CORRESPONDS WITH 'XRL'.

'XRW' = INDICATES EXISTING DEVICE TO BE REWORKED. REWORK AS SHOWN OR REPLACE EXISTING DEVICE WITH NEW AND REWIRE AS INDICATED.

'XRD' = INDICATES EXISTING DEVICE TO BE DISCONNECTED AND ALL CONDUIT AND WIRING TO BE REMOVED.

'GTX' = INDICATES CONNECT EQUIPMENT OR DEVICE TO EXISTING WIRING

GENERAL DEMOLITION NOTES:

A. THIS CONTRACTOR SHALL PERFORM ALL DEMOLITION OF EXISTING ELECTRICAL SYSTEMS AS INDICATED ON ELECTRICAL AND ARCHITECTURAL PLANS OR AS NECESSARY FOR THE PROJECT. REMOVE FROM SITE AND PROPERLY DISPOSE OF ALL MATERIAL AND DEBRIS FROM THIS WORK.

B. DEMOLITION DRAWINGS ARE GENERAL IN NATURE SHOWING THE SCOPE OF DEMOLITION WORK. CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH THE QUANTITY OF LIGHT FIXTURES, OUTLETS, ETC. REMOVE ALL EQUIPMENT AND DEVICES NO LONGER REQUIRED FOR FINISHED CONSTRUCTION. ALL EXISTING LIGHTS, CONDUIT, WIRE AND DEVICES IN PROJECT AREAS SHALL BE REMOVED AND DISPOSED OF. REMOVE CONDUITS BEYOND NEW SURFACES. REMOVE ALL EXISTING WIRE FROM CONDUIT BACK TO POINT OF COMMON USE OR TO PANELS. LABEL EXISTING CIRCUIT BREAKERS "SPARE" IF NOT REUSED FOR NEW WORK.

C. DISCONNECT EXISTING EQUIPMENT IN BUILDING THAT IS TO BE REMOVED UNDER OTHER SECTIONS. REMOVE DATA AND PHONE CABLING SYSTEM AS DIRECTED BY OWNER. NO CABLES SHALL BE REMOVED OR CUT WITHOUT APPROVAL FROM OWNER. ANY EXISTING CABLES TO REMAIN SHALL BE SUPPORTED FROM STRUCTURE BEFORE CEILING REMOVAL.

D. PATCH ALL SURFACES TO MATCH SURROUNDING FOR DEVICES TO BE REMOVED FROM EXISTING WALLS TO BE MAINTAINED. EXISTING ROUGH-IN BOXES IN WALL TO REMAIN MAY BE REUSED IF CODE COMPLYING AND APPROVED FOR LOCATION BY ARCHITECT.

E. THE OWNER RESERVES THE RIGHT OF SALVAGE FOR ALL EXISTING ELECTRICAL EQUIPMENT PRIOR TO DEMOLITION. THE CONTRACTOR SHALL REVIEW ALL MATERIALS AND DELIVER TO THE OWNER THOSE REQUIRED IN THEIR EXISTING CONDITION. ALL OTHER MATERIAL SHALL BE REMOVED BY THIS CONTRACTOR.

F. ALL CIRCUITS WHICH ARE REQUIRED TO REMAIN ACTIVE SHALL BE MAINTAINED OR REWORKED AS REQUIRED. ANY EXISTING CIRCUITS OR CABLING SYSTEMS SERVING AREAS NOT AFFECTED BY DEMOLITION SHALL BE MAINTAINED. ALL CIRCUITS SHALL BE VERIFIED WITH EXISTING DRAWINGS AND ACTUAL FIELD CONDITIONS PRIOR TO BEGINNING DEMOLITION.

G. PHASING: CONTRACTOR IS REQUIRED TO COORDINATE THE REMOVAL AND/OR SHUTDOWN OF ANY EXISTING SYSTEMS AND ANY RELATED MECHANICAL, PLUMBING OR FIRE PROTECTION SYSTEMS REQUIRED FOR THIS PROJECT TO MAINTAIN THE EXISTING BUILDING OPERATIONS THROUGHOUT THE COURSE OF CONSTRUCTION. CONFORM TO THE PROJECT CONSTRUCTION SCHEDULE. PHASING SEQUENCE AND INTENT IDENTIFIED BY THE CONSTRUCTION MANAGER AND ARCHITECT. CONTRACTOR SHALL COORDINATE ALLOWABLE WORKING HOURS IN SPECIFIC AREAS OF THE EXISTING BUILDING WITH THE CONSTRUCTION MANAGER. IF AFTER HOURS WORK IS REQUIRED, PREMIUM TIME SHALL BE INCLUDED IN BID. ANY REQUIRED DEMOLITION, RELOCATION OR SHUTDOWN OF EXISTING SYSTEMS SHALL BE SUBMITTED FOR APPROVAL A MINIMUM OF TWO (2) WEEKS PRIOR TO PERFORMING THE REQUIRED WORK. NO DEMOLITION WORK AFFECTING EXISTING SYSTEMS TO REMAIN SHALL BE PERFORMED WITHOUT APPROVAL FROM THE CONSTRUCTION MANAGER. INCLUDE ANY TEMPORARY FACILITIES REQUIRED TO MAINTAIN EXISTING SYSTEMS IN OPERATION DURING THE COURSE OF DEMOLITION WORK IN BID.

GENERAL NOTES:

A. ELECTRICAL CONTRACTOR TO COORDINATE SURFACE & PENDANT MOUNTED LIGHTING FIXTURE MOUNTING WITH ALL MECHANICAL DUCTWORK AND PLUMBING PIPING. WHERE INTERFERENCE'S OCCUR, ELECTRICAL CONTRACTOR TO STEM MOUNT FIXTURES BELOW ALL DUCTWORK AND PIPING.

B. ELECTRICAL CONTRACTOR TO REFER TO ARCHITECTS REFLECTED CEILING PLAN FOR EXACT LOCATION AND MOUNTING HEIGHTS OF ALL LIGHT FIXTURES.

C. NO DUCTWORK OR PIPING TO BE RUN ABOVE ELECTRICAL PANELS OR THROUGH ELECTRICAL OR ELEVATOR EQUIPMENT ROOMS. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH ALL TRADES FOR EQUIPMENT LAYOUTS PRIOR TO ROUGH-IN OF ALL SYSTEMS

D. ALL ROOF PENETRATIONS TO BE SEALED PER ROOFING CONTRACTORS REQUIREMENTS.

E. DO NOT INSTALL DEVICES SCALED FROM THESE DRAWINGS. EXACT LOCATIONS SHALL BE VERIFIED WITH THE OWNER OR ARCHITECT AND DIMENSIONS TAKEN IN THE FIELD.

F. ELECTRICAL CONTRACTOR TO CONFIRM ALL REQUIREMENTS AND LOCATIONS OF ALL EXIT SIGNS, EMERGENCY LIGHTS AND FIRE ALARM DEVICES WITH LOCAL FIRE AUTHORITIES PRIOR TO ROUGH-IN.

G. ELECTRICAL CONTRACTOR TO CONFIRM LIGHT FIXTURE CATALOG NUMBERS WITH ALL LIGHT FIXTURES SPECIFIED ON PLANS FOR FIXTURE TRIMS, VOLTAGES, LAMPS ETC.

H. ELECTRICAL CONTRACTOR TO CONFIRM LOCATIONS OF ALL ELECTRICAL DEVICES WITH FIXTURING LOCATIONS PRIOR TO ROUGH-IN.

I. ELECTRICAL CONTRACTOR TO VERIFY ALL EQUIPMENT ELECTRICAL CHARACTERISTICS PRIOR TO ROUGH-IN.

J. ELECTRICAL CONTRACTOR TO VISIT SITE AND VERIFY ALL EXISTING CONDITIONS PRIOR TO BID.

K. FIRE STOP ALL PENETRATIONS IN RATED ASSEMBLIES.

L. ELECTRICAL CONTRACTOR SHALL REVIEW ALL OTHER TRADES DRAWINGS AND/OR COORDINATE WITH OTHER TRADES AND VERIFY IF THERE ARE ANY ADDITIONAL ELECTRICAL REQUIREMENTS NOT SHOWN ON ELECTRICAL DRAWINGS. COST FOR WORK SHOWN ON OTHER TRADES DRAWINGS SHALL BE INCLUDED IN BASE BID. WIRE ALL MISCELLANEOUS CONTROLS AS REQUIRED TO PROVIDE A COMPLETE SYSTEM.

M. ALL DEVICES IN OR ABOVE COUNTERS OR VANITIES SHALL HAVE LOCATIONS AND MOUNTING HEIGHTS CONFIRMED WITH ARCHITECTS ELEVATIONS AND SECTIONS. ANY ADJUSTMENTS TO MOUNTING HEIGHTS REQUIRED BY LACK OF COORDINATION WILL BE AT CONTRACTOR'S EXPENSE.

N. ALL NEW CONDUIT ROUTING SHALL BE RUN CONCEALED IN ALL FINISHED AREAS. EXPOSED CONDUIT RUNS ARE ONLY PERMITTED IN ELEC/MECH ROOMS OR ON BRICK WALLS WHERE NOTED ON PLANS. PAINT ALL CONDUITS TO MATCH ADJACENT WALL SURFACES. CONFIRM ROUTING IN FIELD WITH OWNER/ARCHITECT IN ALL AREAS PRIOR TO ROUGH-IN. TYPE 'MC' CABLE WITH LISTED FITTINGS (AS APPROVED BY LOCAL JURISDICTION) SHALL BE PERMITTED IN CONCEALED WORK IN WALLS, FLOORS & CEILINGS. WHERE FISHING CABLES IS NOT POSSIBLE AT EXISTING BUILDING CONSTRUCTION, E.G. SMALL SOFFIT WALLS AND CHANNEL OR SOFFIT AROUND BRICKS OR BLOCKS AND REMOVE THEM FOR RACEWAY INSTALLATION, REPLACE BRICK OR BLOCK FACE AND MORTAR AROUND THEM WITH MATCHING MORTAR OR PATCH CHANNELED WALLS WITH PLASTER FOR A FINISHED SURFACE. CONFIRM ALL LOCATIONS WITH OWNER AND ARCHITECT PRIOR TO ANY SAWCUTTING OF EXISTING CONSTRUCTION.

O. ALL POWER WIRING IN EXPOSED CONSTRUCTION IS TO BE IN EMT CONDUIT WITH STEEL SET SCREW OR COMPRESSION FITTINGS. MC CABLE MAY ONLY BE USED WHERE CONCEALED.

COMMISSIONING NOTE:

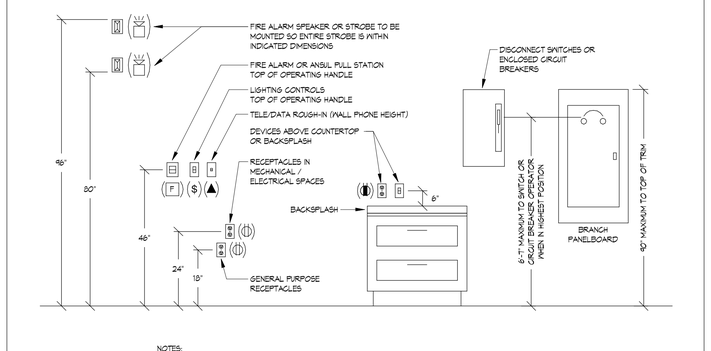
GENERAL CONTRACTOR SHALL PROVIDE COMMISSIONING OF THE LIGHTING SYSTEM AS REQUIRED BY AHJ AND PER THE 2021 MICHIGAN COMMERCIAL ENERGY CODE, C408. COMMISSIONING SHALL BE COMPLETED BY A CITY APPROVED COMMISSIONING AGENCY. GENERAL AND ELECTRICAL CONTRACTORS SHALL COORDINATE ALL COMMISSIONING REQUIREMENTS WITH COMMISSIONING AGENT.

A. COMMISSIONING AGENT SHALL DEVELOP A COMMISSIONING PLAN.

B. PRELIMINARY COMMISSIONING REPORT SHALL BE PROVIDED TO OWNER AND MADE AVAILABLE TO THE LOCAL CODE OFFICIAL UPON REQUEST.

C. WITHIN 90 DAYS OF RECEIPT OF CERTIFICATE OF OCCUPANCY, COMMISSIONING AGENT SHALL PROVIDE TO THE BUILDING OWNER A FINAL COMMISSIONING REPORT INDICATING THE INSTALLED LIGHTING IS COMPLIANT AND DOCUMENTATION OF LIGHTING, INCLUDING CONTROLS AND SET POINTS. GENERAL CONTRACTOR SHALL PROVIDE COMMISSIONING AGENT WITH THE FOLLOWING:
   - SUBMITTALS, INCLUDING ALL SELECTED OPTIONS FOR ALL LIGHTING AND LIGHTING CONTROLS.
   - MANUFACTURER OPERATION MANUALS FOR ALL LIGHTING.
   - MANUFACTURER MAINTENANCE MANUALS FOR ALL LIGHTING.
   - MANUFACTURER RECOMMENDED SCHEDULE FOR INSPECTION AND RECALIBRATION OF LIGHTING CONTROLS.
   - A NARRATIVE FOR HOW EACH SYSTEM IS INTENDED TO OPERATE INCLUDING SET POINTS.

D. LIGHTING SHALL BE TESTED FOR FUNCTIONAL PERFORMANCE. GENERAL CONTRACTOR SHALL PROVIDE REPRESENTATIVES WITH EXPERTISE TO PARTICIPATE AND ASSIST THE COMMISSIONING AGENT IN THE TESTING OF LIGHTING.

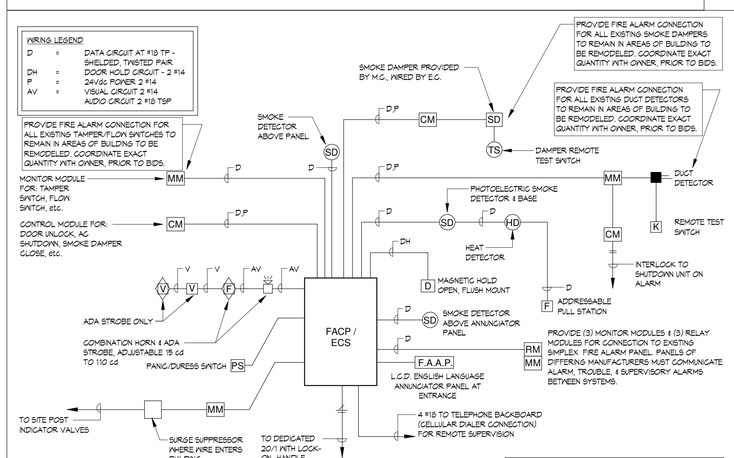


NOTES:

1. THE EXACT LOCATION AND MOUNTING HEIGHT OF ALL SWITCHES, OUTLETS, ETC. ARE TO BE CONFIRMED WITH ARCHITECTURAL ELEVATIONS AND OWNER PRIOR TO ROUGH-IN. IF LOCATIONS AND MOUNTING HEIGHTS ARE NOT SHOWN, REQUEST LOCATIONS PRIOR TO ROUGH-IN. CONFIRM EQUIPMENT OUTLET LOCATIONS WITH EQUIPMENT REQUIREMENTS. COMPLY WITH A.D.A. REQUIREMENTS.
2. ALL MOUNTING HEIGHTS MUST COMPLY WITH ADA STANDARDS.

1 E001 TYPICAL WALL EQUIPMENT AND DEVICE MOUNTING HEIGHT DETAIL

NO SCALE



NOTES:

1. VISUAL DEVICES SHALL SYNCHRONIZE WHEREVER MORE THAN ONE ARE VISIBLE FROM ANY LOCATION.
2. PROVIDE ADDITIONAL POWER SUPPLIES AND AMPLIFIERS AS REQUIRED.

2 E001 FIRE ALARM RISER DIAGRAM

NO SCALE

NOTES:

1. ELECTRICAL CONTRACTOR SHALL VERIFY EXACT WIRING WITH MANUFACTURER'S WIRING DIAGRAMS PRIOR TO INSTALLATION.
2. ALL DEVICES TO BE FIELD TESTED WITH WRITTEN CERTIFICATION OF SYSTEM. PERFORM ALL TESTS IN THE PRESENCE OF THE AUTHORITY HAVING JURISDICTION.
3. PROVIDE CONNECTION TO REMOTE SUPERVISION AS DIRECTED FOR SUPERVISION OF SYSTEM IN COMPLIANCE WITH LOCAL AUTHORITY AND OWNER. PROVIDE ALL INTERFACE REQUIRED TO INITIATE REMOTE SUPERVISION. MONITORING SERVICE WILL BE PAID FOR BY THE OWNER.
4. FLOW SWITCH(ES) SHALL BE PROVIDED BY THE FIRE PROTECTION CONTRACTOR AND WIRED BY THE E.C. PROVIDE MODULE INTERFACE..
5. TAMPER SWITCH WILL BE FURNISHED WITH SHUT-OFF VALVE BY THE FIRE PROTECTION CONTRACTOR AND BE WIRED BY THE E.C. PROVIDE INTERFACE MODULES AT TAMPER SWITCH.
6. DUCT SMOKE DETECTORS ARE TO BE FURNISHED AND INSTALLED BY THE FIRE ALARM CONTRACTOR PER MFR.'S INSTALLATION REQUIREMENTS AND NFPA 72E. PROVIDE (REMOTE TEST SWITCHES) & MONITORING SYSTEM CONNECTION.
7. INDICATION DEVICE SHALL BE COMBINATION SPEAKER HORN (EDIT)/ STROBE, FIELD ADJUSTABLE, 15 cd TO 110 cd. ALL STROBES SHALL SYNCHRONIZE. SPEAKERS SHALL HAVE MULTIPLE TAPS. ADJUST SYSTEM AT COMPLETION OF CONSTRUCTION TO REQUIRED SOUND PRESSURE LEVELS AND INTELLIGIBILITY.
8. FIRE ALARM PANEL SHALL BE SOLID STATE, ADDRESSABLE, ANALOG PANEL WITH CLASS "B" BELL CIRCUIT, ALARM AND TROUBLE INDICATION BY DEVICE, 24 HOUR BATTERY BACKUP AND PANEL STATUS INDICATION LIGHTS. INCLUDING VOICE EVACUATION FUNCTIONS PER NFPA 72.
9. SYSTEM SHALL BE SUPPLIED BY ONE MFR. AND BE BY: EST, FCI, GUARDIAN, NOTIFIER, GAMEWELL, SILENT KNIGHT OR APPROVED EQUAL.
10. THE ENTIRE SYSTEM SHALL COMPLY WITH ALL APPLICABLE CODES AND LISTINGS, INCLUDING THE NFPA 72, U.L., FM AND THE STATE AND LOCAL FIRE MARSHALL.
11. FIRE ALARM SYSTEM MANUFACTURER SHALL PROVIDE ALL SUBMITTALS REQUIRED BY LOCAL OFFICIALS FOR PERMIT INCLUDING, BUT NOT LIMITED TO, BATTERY CALCULATIONS, VOLTAGE DROP CALCULATIONS, CUT SHEETS, DRAWINGS ETC. PAY ALL PERMIT FEES, ETC. PROVIDE SHOP DRAWINGS WITH REQUIRED DESIGN PROFESSIONAL SEAL.
12. FIRE ALARM CONTROL PANEL SHALL BE EXPANDABLE FOR THE QUANTITY OF ADDRESSABLE INPUT AND OUTPUT POINTS NECESSARY FOR THIS ENTIRE FACILITY ONCE IT IS COMPLETELY OCCUPIED. POINTS QUANTITY ESTIMATE SHALL BE BASED ON THE FACILITY'S USE, HVAC SYSTEM TYPE, FIRE PROTECTION ZONING AND LOCAL CODE REQUIREMENTS. INCLUDE THIS INFORMATION WITH THE PROJECT SUBMITTAL DATA.
13. SEE ELEVATOR SYSTEM WIRING DIAGRAM FOR ADDITIONAL REQUIREMENTS.

FIRE ALARM SYMBOLS (NOT ALL SYMBOLS MAY BE USED)

F	FIRE ALARM SYSTEM MANUAL PULL STATION, FLUSH MOUNTED
cd	FIRE ALARM AND EMERGENCY COMMUNICATION SYSTEM SPEAKER WITH ADA STROBE, FLUSH WALL MOUNTED. cd = CANDELA RATING
V cd	FIRE ALARM ADA STROBE LIGHT WITH LENS, FLUSH MOUNTED. cd = CANDELA RATING
F cd	FIRE ALARM AND EMERGENCY COMMUNICATION SYSTEM SPEAKER WITH ADA STROBE, CEILING MOUNTED. cd = CANDELA RATING
V cd	FIRE ALARM ADA STROBE LIGHT WITH LENS, CEILING MOUNTED. cd = CANDELA RATING
F	WALL MOUNTED EMERGENCY COMMUNICATION SYSTEM SPEAKER ONLY
F	CEILING MOUNTED EMERGENCY COMMUNICATION SYSTEM SPEAKER ONLY
SD E	ADDRESSABLE FIRE ALARM SYSTEM SMOKE DETECTOR. (E = ELEVATOR RECALL)
HD	ADDRESSABLE FIRE ALARM SYSTEM HEAT DETECTOR
FACP	FIRE ALARM SYSTEM CONTROL PANEL / EMERGENCY COMMUNICATION SYSTEM CONTROL PANEL
FAAP	FIRE ALARM SYSTEM ANNUNCIATOR PANEL
SNAC	SIGNAL EXPANDER PANEL AND AMPLIFIER
K	DUCT SMOKE DETECTOR WITH REMOTE KEY TEST SWITCH K - MONITORED BY FACP
FS	SPRINKLER SYSTEM FLOW SWITCH
TS	SPRINKLER SYSTEM TAMPER SWITCH
CM	FIRE ALARM SYSTEM CONTROL MODULE
MM	FIRE ALARM SYSTEM MONITORING MODULE
D	FIRE ALARM SYSTEM DOOR HOLD OPEN DEVICE
KB	FIRE ALARM SYSTEM KNOX BOX - CONFIRM TYPE WITH LOCAL FIRE MARSHAL

SYMBOLS (NOT ALL SYMBOLS MAY BE USED)

$	20A-120/277V SINGLE POLE TOGGLE SWITCH, HUBBELL, TYPE CSB120xx
$3	20A-120/277V THREE WAY TOGGLE SWITCH, HUBBELL, TYPE CSB320xx
$4	20A-120/277V FOUR WAY TOGGLE SWITCH, HUBBELL, TYPE CSB420xx
$T	20A-300V MANUAL STARTING SWITCH W/ THERMAL OVERLOAD RELAY- IF NOT INTEGRAL TO MOTOR - FLUSH MOUNTED IN WALL AND SURFACE MOUNTED AT EQUIPMENT ROOMS WITH PADLOCK LOCK-OUT COVER. SQUARE D CLASS 2510 (OR APPROVED)
$M	MANUAL TOGGLE CONTROLLER/DISCONNECT WITH SURFACE ENCLOSURE AND COVER WITH PADLOCK HASP. PROVIDE AMPS, POLES AND VOLTAGE TO MATCH EQUIPMENT. HUBBELL 78xx SERIES
$VS	120/277V NFRARED WALL SWITCH VACANCY SENSOR - WATTSTOPPER WPA-301. SENSORS SHALL BE SET TO OPERATE AS VACANCY SENSORS - AUTOMATIC OFF AFTER 30 MINUTES, MANUAL ON ONLY.
$VD	120/277V NFRARED WALL SWITCH OCCUPANCY SENSOR WITH 0-10V DIMMING CONTROL - WATTSTOPPER WPA-311 SENSORS SHALL BE SET TO OPERATE AS VACANCY SENSORS - AUTOMATIC OFF AFTER 30 MINUTES, MANUAL ON ONLY.
$DO	LOW VOLTAGE DIGITAL ON/OFF SWITCH, SEE LIGHTING CONTROL DETAILS. FINISH SELECTED BY ARCHITECT.
$DD	LOW VOLTAGE DIGITAL DIMMING AND ON/OFF SWITCH, SEE LIGHTING CONTROL DETAILS. FINISH SELECTED BY ARCHITECT.
$DC	LOW VOLTAGE DIGITAL TOUCHSCREEN CONTROLLER, SEE LIGHTING CONTROL DETAILS. FINISH SELECTED BY ARCHITECT.
$O	LOW VOLTAGE DIGITAL ON/OFF 2 BUTTON SWITCH FOR OVERRIDE CONTROL OF LIGHTING CONTROL SYSTEM, SEE LIGHTING CONTROL DETAILS. FINISH SELECTED BY ARCHITECT.
RCD	DIGITAL ROOM CONTROLLER WITH DIMMING CAPABILITY - SEE LIGHTING CONTROL DETAILS.
DOS	DIGITAL INFRARED CEILING VACANCY/OCCUPANCY SENSOR - SEE LIGHTING CONTROL DETAILS.
DPC	DIGITAL INTERIOR PHOTOCELL UNIT FOR DAYLIGHT HARVESTING - SEE LIGHTING CONTROL DETAILS.
	20A-125 V SINGLE RECEPTACLE, HUBBELL, TYPE 5361x
	20A-125 V DUPLEX RECEPTACLE, HUBBELL, TYPE 5362x
	20A-125 V DUPLEX WITH INTEGRAL "GFCI" PROTECTION, SELF-TEST, WEATHER-RESISTANT, AND TAMPER RESISTANT, HUBBELL, TYPE GF5362SGx
	SAME AS OR EXCEPT MOUNTED ABOVE COUNTER, CONFIRM EXACT HEIGHT
	SAME AS OR EXCEPT 2 MOUNTED IN 2 GANG BOX WITH SINGLE COVER PLATE.
	SAME AS OR EXCEPT THE DEVICE SHALL BE SPLIT WIRED FOR SWITCHING CONTROL OF DEVICE. TOP RECEPTACLE(S) SHALL BE UNCONTROLLED. BOTTOM RECEPTACLE SHALL BE CONTROLLED. RECEPTACLE TO BE PERMANENTLY MARKED AS CONTROLLED PER THE NEC. HUBBELL TYPE SHALL BE CONFIRMED.
WP	20A-125 V WEATHER RESISTANT DUPLEX WITH INTEGRAL GFCI PROTECTION AND WEATHERPROOF SINGLE WHILE IN USE CLEAR COVER, HUBBELL GF5362SGx AND MM420G
	RECEPTACLE MODIFIERS: WP = WEATHERPROOF (WHILE-IN-USE) IG = ISOLATED GROUND GFI = INTEGRAL "GFI" PROTECTION U = 20A-125 V DUPLEX RECEPTACLE WITH INTEGRAL TRANSFORMER AND (2) 5A USB PORTS, HUBBELL, TYPE USB20A5 TR = 20A-125 V DUPLEX TAMPER RESISTANT, HUBBELL, TYPE HBL5362TRx TV = FOR TELEVISION, REFERENCE A/V SHOP DRAWINGS OR ARCHITECTURAL ELEVATIONS FOR MOUNTING HEIGHT XX" = MOUNT XX INCHES ABOVE FINISHED FLOOR
	SPECIAL PURPOSE 1-PHASE RECEPTACLE, NEMA CONFIGURATION AS NOTED.
	SPECIAL PURPOSE 3-PHASE RECEPTACLE, NEMA CONFIGURATION AS NOTED.
	SAME AS ONLY RECESSED MOUNTED IN CEILING
	FLUSH CAST IRON FLOOR BOX WITH 1-1/2" CONDUIT ACCESS FOR LOW VOLTAGE AND 1" CONDUIT ACCESS FOR POWER, HUBBELL #S1CFB - VERIFY FLOOR BOX SIZE WITH SLAB DEPTH. PROVIDE UNIVERSAL CARPET FLANGE AND COVER ASSEMBLY. FINISH AS SELECTED BY ARCHITECT - #S1CFCXX OR PROVIDE UNIVERSAL TILE FLANGE AND COVER ASSEMBLY, FINISH AS SELECTED BY ARCHITECT - #S1TFCXX. PROVIDE SYSTEM-ONE SUB-PLATE COMBINATION AS REQUIRED, WITH UP TO SIX (6) DATA JACKS PLUS ONE (1) DUPLEX RECEPTACLE OR FOUR (4) DATA JACKS PLUS TWO (2) DUPLEX RECEPTACLES. CONFIRM DEVICE LAYOUT WITH ENGINEER, PRIOR TO ORDERING.
	POWER HUB AND ASSOCIATED DEVICES AS REQUIRED - INCLUDING HUBCAP, RECEPTACLE DEVICE (WITH QUAD RECEPTACLE WIRED TO 1-CIRCUIT), HARDWIRE DEVICE (FOR FURNITURE BASE FEED), OR DATA DEVICE (WITH UP TO EIGHT KEYSTONE MODULES). CONFIRM DEVICE LAYOUT WITH LOCAL LEGRAND/CONNECTRAC VENDOR (WIREMOLD, OR APPROVED EQUAL), OWNER AND FURNITURE VENDOR, PRIOR TO ORDERING.
	2" SQUARE POWER POLE WITH DIVIDER, HEIGHT AS REQUIRED BY CEILING HEIGHT. FINISH BY ARCHITECT. PROVIDE DEVICES OR FURNITURE/EQUIPMENT FEEDS AS NOTED ON PLANS.
J	STANDARD JUNCTION BOX SIZED PER N.E.C. AND SUPPORTED INDEPENDENT OF CONDUIT SYSTEM
	HEV-DUTY 3 POLE FUSIBLE DISCONNECT SWITCH W/FUSETRONS SIZED AS NOTED OR AT 125% OF ACTUAL MOTOR NAMEPLATE RATING-SWITCH SIZE AS NOTED XX/XX/XX = DISCONNECT SIZE / FUSE SIZE OR NF = NON-FUSED / NEMA ENCLOSURE
	120/208V - 3 PHASE - 4 WIRE ELECTRICAL BRANCH CIRCUIT PANEL
	277/480V - 3 PHASE - 4 WIRE ELECTRICAL BRANCH CIRCUIT PANEL
TV	4" SQ x 2-1/8" DEEP BOX WITH PLASTER RING TO MATCH DEVICE FOR TELEPHONE AND/OR DATA OUTLET - STUB 3/4" CONDUIT INTO ACCESSIBLE CEILING SPACE. PROVIDE BLANK COVER IF NOT USED BY OWNER. TV = FOR TELEVISION, REFERENCE A/V SHOP DRAWINGS OR ARCHITECTURAL ELEVATIONS FOR MOUNTING HEIGHT
CS	TWO-WAY COMMUNICATION EMERGENCY PHONE - REFER TO DRAWINGS FOR DETAILS.
	PREWIRED UNIT CONTROL PANEL-CONNECT AND WIRE PER MFGRS. WIRING DIAGRAMS. PROVIDE DISCONNECT SWITCH AS REQUIRED BY N.E.C.
	MOTOR CONNECTION AS NOTED-CONNECT WITH FLEXIBLE OR SEALTIGHT CONDUIT
TS	THERMOSTAT/TEMPERATURE SENSOR CONNECTION, PROVIDED BY OTHERS, WIRED & INSTALLED BY E.C.
	CONDUIT RUN EXPOSED, OVERHEAD, CONCEALED ABOVE CEILING OR IN WALL. CROSSHATCHES DENOTE NUMBER OF # 12 AWG COPPER CONDUCTORS UNLESS NOTED OTHERWISE. IF NO CONDUCTORS ARE SHOWN PROVIDE 2 #12 + GND. MINIMUM OR AS REQUIRED
	CONDUIT RUN IN OR BELOW FLOOR SLABS - MAINTAIN 2" MINIMUM CONCRETE COVER ABOVE CONDUIT -CROSSHATCHES DENOTE NUMBER OF #12 AWG COPPER CONDUCTORS UNLESS NOTED OTHERWISE. IF NO CONDUCTORS ARE SHOWN PROVIDE 2 #12 + GND. MINIMUM OR AS REQUIRED
ES	ELECTRIC STRIKE ROUGH-IN - WITH 3/4" CONDUIT INTO ACCESSIBLE CEILING SPACE AS REQUIRED. DRILL HOLE IN DOOR FRAME AS REQUIRED. REFER TO ACCESS CONTROL ROUGH-IN DIAGRAM ON DRAWING E501.
HC	ADA DOOR OPERATOR ACTUATOR ROUGH-IN. REFER TO DRAWINGS FOR DETAILS.
WAP	CEILING MTD. WIRELESS ACCESS POINT ROUGH-IN - WITH 3/4" CONDUIT INTO ACCESSIBLE CEILING SPACE AS REQUIRED.
R

GENERAL DEMOLITION NOTES:

A. THIS CONTRACTOR SHALL PERFORM ALL DEMOLITION OF EXISTING ELECTRICAL SYSTEMS AS INDICATED ON ELECTRICAL AND ARCHITECTURAL PLANS OR AS NECESSARY FOR THE PROJECT. REMOVE FROM SITE AND PROPERLY DISPOSE OF ALL MATERIAL AND DEBRIS FROM THIS WORK.

B. DEMOLITION DRAWINGS ARE GENERAL IN NATURE SHOWING THE SCOPE OF DEMOLITION WORK. CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH THE QUANTITY OF LIGHT FIXTURES, OUTLETS, ETC. REMOVE ALL EQUIPMENT AND DEVICES NO LONGER REQUIRED FOR FINISHED CONSTRUCTION. ALL EXISTING LIGHTS, CONDUIT, WIRE AND DEVICES IN PROJECT AREAS SHALL BE REMOVED AND DISPOSED OF. REMOVE CONDUITS BEYOND NEW SURFACES. REMOVE ALL EXISTING WIRE FROM CONDUIT BACK TO POINT OF COMMON USE OR TO PANELS. LABEL EXISTING CIRCUIT BREAKERS "SPARE" IF NOT REUSED FOR NEW WORK.

C. DISCONNECT EXISTING EQUIPMENT IN BUILDING THAT IS TO BE REMOVED UNDER OTHER SECTIONS. REMOVE DATA AND PHONE CABLING SYSTEM AS DIRECTED BY OWNER. NO CABLES SHALL BE REMOVED OR CUT WITHOUT APPROVAL FROM OWNER. ANY EXISTING CABLES TO REMAIN SHALL BE SUPPORTED FROM STRUCTURE BEFORE CEILING REMOVAL.

D. PATCH ALL SURFACES TO MATCH SURROUNDING FOR DEVICES TO BE REMOVED FROM EXISTING WALLS TO BE MAINTAINED. EXISTING ROUGH-IN BOXES IN WALL TO REMAIN MAY BE REUSED IF CODE COMPLYING AND APPROVED FOR LOCATION BY ARCHITECT.

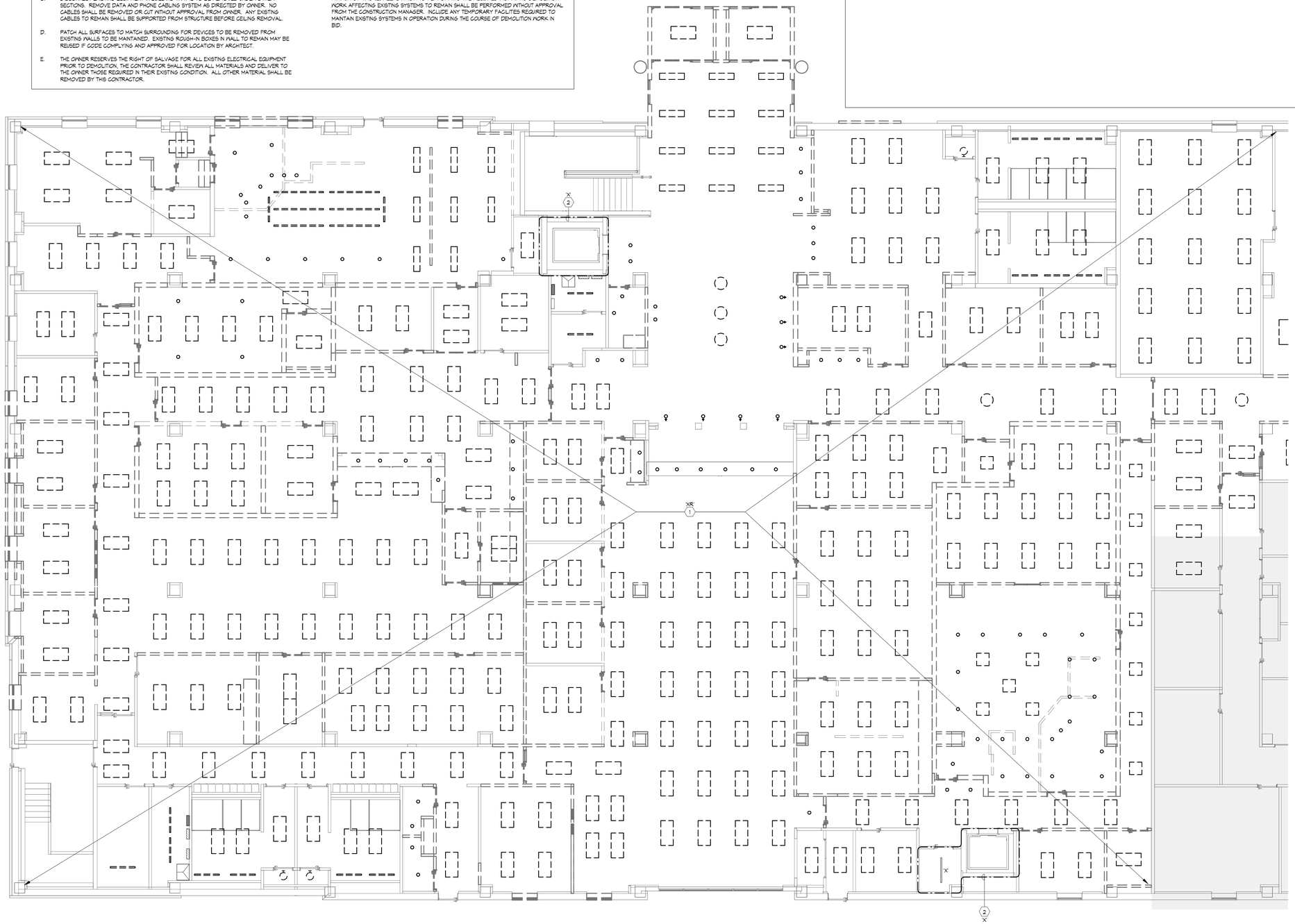
E. THE OWNER RESERVES THE RIGHT OF SALVAGE FOR ALL EXISTING ELECTRICAL EQUIPMENT PRIOR TO DEMOLITION. THE CONTRACTOR SHALL REVIEW ALL MATERIALS AND DELIVER TO THE OWNER THOSE REQUIRED IN THEIR EXISTING CONDITION. ALL OTHER MATERIAL SHALL BE REMOVED BY THIS CONTRACTOR.

F. ALL CIRCUITS WHICH ARE REQUIRED TO REMAIN ACTIVE SHALL BE MAINTAINED OR REWORKED AS REQUIRED. ANY EXISTING CIRCUITS OR CABLING SYSTEMS SERVING AREAS NOT AFFECTED BY DEMOLITION SHALL BE MAINTAINED. ALL CIRCUITS SHALL BE VERIFIED WITH EXISTING DRAWINGS AND ACTUAL FIELD CONDITIONS PRIOR TO BEGINNING DEMOLITION.

G. PHASING: CONTRACTOR IS REQUIRED TO COORDINATE THE REMOVAL AND/OR SHUTDOWN OF ANY EXISTING SYSTEMS AND ANY RELATED MECHANICAL, PLUMBING OR FIRE PROTECTION SYSTEMS REQUIRED FOR THIS PROJECT TO MAINTAIN THE EXISTING BUILDING OPERATIONS THROUGHOUT THE COURSE OF CONSTRUCTION. CONFORM TO THE PROJECT CONSTRUCTION SCHEDULE, PHASING SEQUENCE AND INTENT IDENTIFIED BY THE CONSTRUCTION MANAGER AND ARCHITECT. CONTRACTOR SHALL COORDINATE ALLOWABLE WORKING HOURS IN SPECIFIC AREAS OF THE EXISTING BUILDING WITH THE CONSTRUCTION MANAGER. IF AFTER HOURS WORK IS REQUIRED, PREMIUM TIME SHALL BE INCLUDED IN BID. ANY REQUIRED DEMOLITION, RELOCATION OR SHUTDOWN OF EXISTING SYSTEMS SHALL BE SUBMITTED FOR APPROVAL A MINIMUM OF TWO (2) WEEKS PRIOR TO PERFORMING THE REQUIRED WORK. NO DEMOLITION WORK AFFECTING EXISTING SYSTEMS TO REMAIN SHALL BE PERFORMED WITHOUT APPROVAL FROM THE CONSTRUCTION MANAGER. INCLUDE ANY TEMPORARY FACILITIES REQUIRED TO MAINTAIN EXISTING SYSTEMS IN OPERATION DURING THE COURSE OF DEMOLITION WORK IN BID.

CODED NOTES

1. ALL LIGHTING FIXTURES, DEVICES AND CONTROLS IN THIS AREA SHALL BE MADE SAFE FOR DEMOLITION UNLESS NOTED OTHERWISE - 'XR'. ELECTRICAL DEMOLITION SHALL BE PERFORMED PER THE GENERAL DEMOLITION NOTES. REMOVE ALL WIRING, CONDUIT, BOXES, ETC. ASSOCIATED WITH THE FIXTURES AND DEVICES BACK TO THEIR SOURCE OR NEAREST POINT OF COMMON USE. MAINTAIN ALL POWER/DATA WIRING AND CONDUIT RUNNING THROUGH THIS SPACE THAT FEEDS EXISTING SPACES TO REMAIN OR THAT IS TO BE REUSED OR MODIFIED UNDER THE NEW WORK SCOPE. IDENTIFY THIS CONDUIT AND WIRING TO PREVENT DAMAGE DURING DEMOLITION. THE EXACT EXTENT OF DEMOLITION AREA SHOULD BE CONFIRMED WITH THE ARCHITECTURAL DEMOLITION DRAWINGS.
2. MAINTAIN ALL LIGHTING FIXTURES, DEVICES AND CONTROLS WITHIN THIS SPACE - 'X'.



1 / ED100 MAIN LEVEL LIGHTING DEMO PLAN - CPED
1/8" = 1'-0"

N

CPED | N.I.C | N.I.C

KEY PLAN - CPED
NTS

McHenry & Associates Incorporated
MC&A
Consulting Engineers est. 1960
25001 Emery Road, Suite #200
Warrensville Heights, Ohio 44128
Phone: 216-292-4696
Fax: 216-292-5874
Email: mail@mchenryassociates.com

City of Kalamazoo - Crosstown Facility
CPED & KDPS Workplace Renovation
150 E Crosstown Parkway Kalamazoo MI 49001

Seal:

BID Set 08/21/2025

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Project Number: 23-046

LIGHTING DEMO PLAN - MAIN LEVEL CPED

ED100

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Autodesk Docs://1455_MEP_R23_bharp9924.rvt

GENERAL DEMOLITION NOTES:

A. THIS CONTRACTOR SHALL PERFORM ALL DEMOLITION OF EXISTING ELECTRICAL SYSTEMS AS INDICATED ON ELECTRICAL AND ARCHITECTURAL PLANS OR AS NECESSARY FOR THE PROJECT. REMOVE FROM SITE AND PROPERLY DISPOSE OF ALL MATERIAL AND DEBRIS FROM THIS WORK.

B. DEMOLITION DRAWINGS ARE GENERAL IN NATURE SHOWING THE SCOPE OF DEMOLITION WORK. CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH THE QUANTITY OF LIGHT FIXTURES, OUTLETS, ETC. REMOVE ALL EQUIPMENT AND DEVICES NO LONGER REQUIRED FOR FINISHED CONSTRUCTION. ALL EXISTING LIGHTS, CONDUIT, WIRE AND DEVICES IN PROJECT AREAS SHALL BE REMOVED AND DISPOSED OF. REMOVE CONDUITS BEYOND NEW SURFACES. REMOVE ALL EXISTING WIRE FROM CONDUIT BACK TO POINT OF COMMON USE OR TO PANELS. LABEL EXISTING CIRCUIT BREAKERS "SPARE" IF NOT REUSED FOR NEW WORK.

C. DISCONNECT EXISTING EQUIPMENT IN BUILDING THAT IS TO BE REMOVED UNDER OTHER SECTIONS. REMOVE DATA AND PHONE CABLING SYSTEM AS DIRECTED BY OWNER. NO CABLES SHALL BE REMOVED OR CUT WITHOUT APPROVAL FROM OWNER. ANY EXISTING CABLES TO REMAIN SHALL BE SUPPORTED FROM STRUCTURE BEFORE CEILING REMOVAL.

D. PATCH ALL SURFACES TO MATCH SURROUNDING FOR DEVICES TO BE REMOVED FROM EXISTING WALLS TO BE MAINTAINED. EXISTING ROUGH-IN BOXES IN WALL TO REMAIN MAY BE REUSED IF CODE COMPLYING AND APPROVED FOR LOCATION BY ARCHITECT.

E. THE OWNER RESERVES THE RIGHT OF SALVAGE FOR ALL EXISTING ELECTRICAL EQUIPMENT PRIOR TO DEMOLITION, THE CONTRACTOR SHALL REVIEW ALL MATERIALS AND DELIVER TO THE OWNER THOSE REQUIRED IN THEIR EXISTING CONDITION. ALL OTHER MATERIAL SHALL BE REMOVED BY THIS CONTRACTOR.

F. ALL CIRCUITS WHICH ARE REQUIRED TO REMAIN ACTIVE SHALL BE MAINTAINED OR REWORKED AS REQUIRED. ANY EXISTING CIRCUITS OR CABLING SYSTEMS SERVING AREAS NOT AFFECTED BY DEMOLITION SHALL BE MAINTAINED. ALL CIRCUITS SHALL BE VERIFIED WITH EXISTING DRAWINGS AND ACTUAL FIELD CONDITIONS PRIOR TO BEGINNING DEMOLITION.

G. PHASING: CONTRACTOR IS REQUIRED TO COORDINATE THE REMOVAL AND/OR SHUTDOWN OF ANY EXISTING SYSTEMS AND ANY RELATED MECHANICAL, PLUMBING OR FIRE PROTECTION SYSTEMS REQUIRED FOR THIS PROJECT TO MAINTAIN THE EXISTING BUILDING OPERATIONS THROUGHOUT THE COURSE OF CONSTRUCTION. CONFORM TO THE PROJECT CONSTRUCTION SCHEDULE, PHASING SEQUENCE AND INTENT IDENTIFIED BY THE CONSTRUCTION MANAGER AND ARCHITECT. CONTRACTOR SHALL COORDINATE ALLOWABLE WORKING HOURS IN SPECIFIC AREAS OF THE EXISTING BUILDING WITH THE CONSTRUCTION MANAGER. IF AFTER HOURS WORK IS REQUIRED, PREMIUM TIME SHALL BE INCLUDED IN BID. ANY REQUIRED DEMOLITION, RELOCATION OR SHUTDOWN OF EXISTING SYSTEMS SHALL BE SUBMITTED FOR APPROVAL A MINIMUM OF TWO (2) WEEKS PRIOR TO PERFORMING THE REQUIRED WORK. NO DEMOLITION WORK AFFECTING EXISTING SYSTEMS TO REMAIN SHALL BE PERFORMED WITHOUT APPROVAL FROM THE CONSTRUCTION MANAGER. INCLUDE ANY TEMPORARY FACILITIES REQUIRED TO MAINTAIN EXISTING SYSTEMS IN OPERATION DURING THE COURSE OF DEMOLITION WORK IN BID.

CODED NOTES

1. ALL LIGHTING FIXTURES, DEVICES AND CONTROLS IN THIS AREA SHALL BE MADE SAFE FOR DEMOLITION UNLESS NOTED OTHERWISE - 'KR'. ELECTRICAL DEMOLITION SHALL BE PERFORMED PER THE GENERAL DEMOLITION NOTES. REMOVE ALL WIRING, CONDUIT, BOXES, ETC. ASSOCIATED WITH THE FIXTURES AND DEVICES BACK TO THEIR SOURCE OR NEAREST POINT OF COMMON USE. MAINTAIN ALL POWER/DATA WIRING AND CONDUIT RUNNING THROUGH THIS SPACE THAT FEEDS EXISTING SPACES TO REMAIN OR THAT IS TO BE REUSED OR MODIFIED UNDER THE NEW WORK SCOPE. IDENTIFY THIS CONDUIT AND WIRING TO PREVENT DAMAGE DURING DEMOLITION. THE EXACT EXTENT OF DEMOLITION AREA SHOULD BE CONFIRMED WITH THE ARCHITECTURAL DEMOLITION DRAWINGS.

2. MAINTAIN ALL LIGHTING FIXTURES, DEVICES AND CONTROLS WITHIN THIS SPACE - 'X'.

1 ED101 MAIN LEVEL LIGHTING DEMO PLAN - KDPS
1/8" = 1'-0"

N

KEY PLAN - KDPS
NTS

KDPS N.I.C
N.I.C

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LIGHTING DEMO PLAN - MAIN LEVEL KDPS

ED101

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GENERAL DEMOLITION NOTES:

A. THIS CONTRACTOR SHALL PERFORM ALL DEMOLITION OF EXISTING ELECTRICAL SYSTEMS AS INDICATED ON ELECTRICAL AND ARCHITECTURAL PLANS OR AS NECESSARY FOR THE PROJECT. REMOVE FROM SITE AND PROPERLY DISPOSE OF ALL MATERIAL AND DEBRIS FROM THIS WORK.

B. DEMOLITION DRAWINGS ARE GENERAL IN NATURE SHOWING THE SCOPE OF DEMOLITION WORK. CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH THE QUANTITY OF LIGHT FIXTURES, OUTLETS, ETC. REMOVE ALL EQUIPMENT AND DEVICES NO LONGER REQUIRED FOR FINISHED CONSTRUCTION. ALL EXISTING LIGHTS, CONDUIT, WIRE AND DEVICES IN PROJECT AREAS SHALL BE REMOVED AND DISPOSED OF. REMOVE CONDUITS BEYOND NEW SURFACES. REMOVE ALL EXISTING WIRE FROM CONDUIT BACK TO POINT OF COMMON USE OR TO PANELS. LABEL EXISTING CIRCUIT BREAKERS "SPARE" IF NOT REUSED FOR NEW WORK.

C. DISCONNECT EXISTING EQUIPMENT IN BUILDING THAT IS TO BE REMOVED UNDER OTHER SECTIONS. REMOVE DATA AND PHONE CABLING SYSTEM AS DIRECTED BY OWNER. NO CABLES SHALL BE REMOVED OR CUT WITHOUT APPROVAL FROM OWNER. ANY EXISTING CABLES TO REMAIN SHALL BE SUPPORTED FROM STRUCTURE BEFORE CEILING REMOVAL.

D. PATCH ALL SURFACES TO MATCH SURROUNDING FOR DEVICES TO BE REMOVED FROM EXISTING WALLS TO BE MAINTAINED. EXISTING ROUGH-IN BOXES IN WALL TO REMAIN MAY BE REUSED IF CODE COMPLYING AND APPROVED FOR LOCATION BY ARCHITECT.

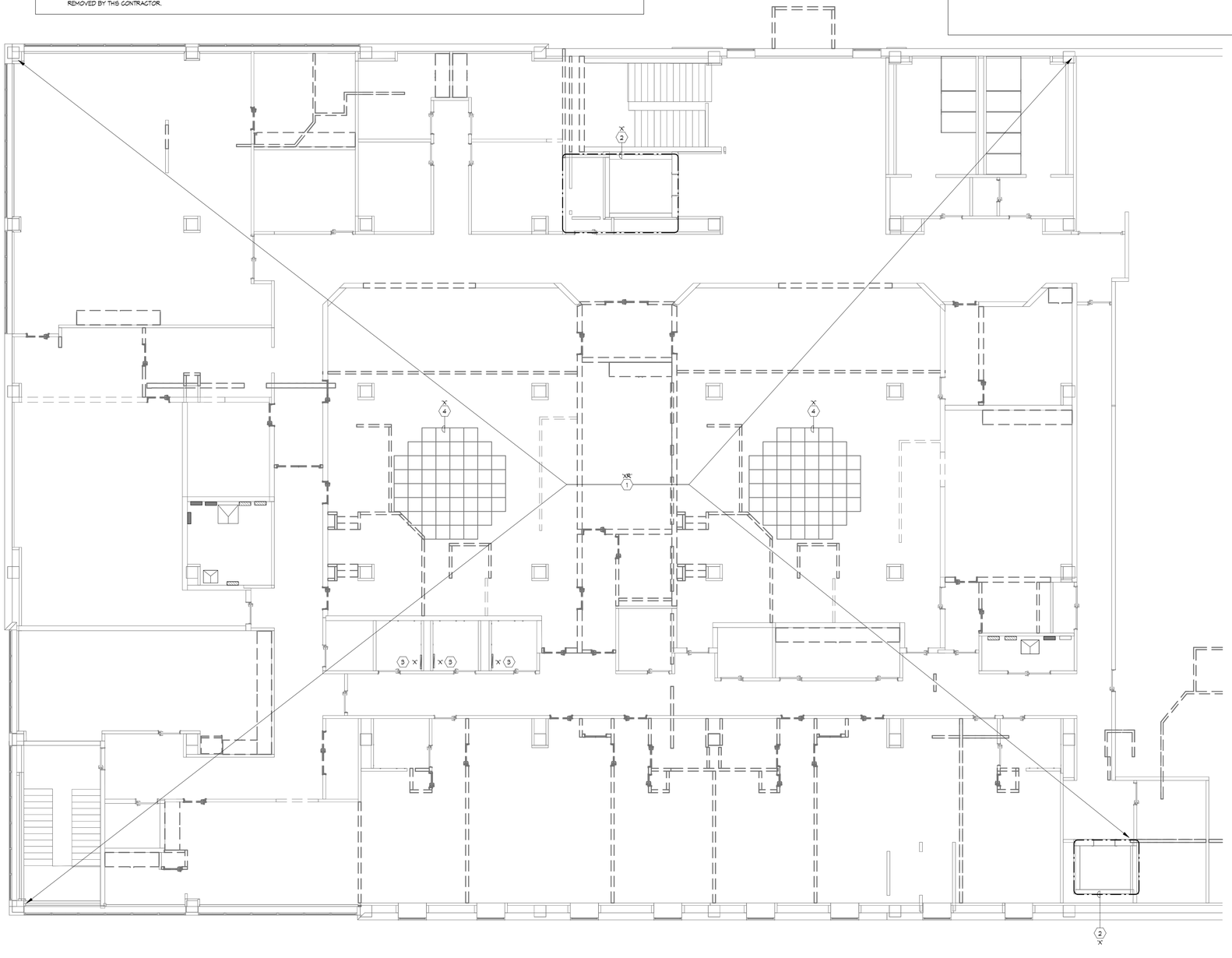
E. THE OWNER RESERVES THE RIGHT OF SALVAGE FOR ALL EXISTING ELECTRICAL EQUIPMENT PRIOR TO DEMOLITION, THE CONTRACTOR SHALL REVIEW ALL MATERIALS AND DELIVER TO THE OWNER THOSE REQUIRED IN THEIR EXISTING CONDITION. ALL OTHER MATERIAL SHALL BE REMOVED BY THIS CONTRACTOR.

F. ALL CIRCUITS WHICH ARE REQUIRED TO REMAIN ACTIVE SHALL BE MAINTAINED OR REWORKED AS REQUIRED. ANY EXISTING CIRCUITS OR CABLING SYSTEMS SERVING AREAS NOT AFFECTED BY DEMOLITION SHALL BE MAINTAINED. ALL CIRCUITS SHALL BE VERIFIED WITH EXISTING DRAWINGS AND ACTUAL FIELD CONDITIONS PRIOR TO BEGINNING DEMOLITION.

G. PHASING: CONTRACTOR IS REQUIRED TO COORDINATE THE REMOVAL AND/OR SHUTDOWN OF ANY EXISTING SYSTEMS AND ANY RELATED MECHANICAL, PLUMBING OR FIRE PROTECTION SYSTEMS REQUIRED FOR THIS PROJECT TO MAINTAIN THE EXISTING BUILDING OPERATIONS THROUGHOUT THE COURSE OF CONSTRUCTION. CONFORM TO THE PROJECT CONSTRUCTION SCHEDULE, PHASING SEQUENCE AND INTENT IDENTIFIED BY THE CONSTRUCTION MANAGER AND ARCHITECT. CONTRACTOR SHALL COORDINATE ALLOWABLE WORKING HOURS IN SPECIFIC AREAS OF THE EXISTING BUILDING WITH THE CONSTRUCTION MANAGER. IF AFTER HOURS WORK IS REQUIRED, PREMIUM TIME SHALL BE INCLUDED IN BID. ANY REQUIRED DEMOLITION, RELOCATION OR SHUTDOWN OF EXISTING SYSTEMS SHALL BE SUBMITTED FOR APPROVAL A MINIMUM OF TWO (2) WEEKS PRIOR TO PERFORMING THE REQUIRED WORK. NO DEMOLITION WORK AFFECTING EXISTING SYSTEMS TO REMAIN SHALL BE PERFORMED WITHOUT APPROVAL FROM THE CONSTRUCTION MANAGER. INCLUDE ANY TEMPORARY FACILITIES REQUIRED TO MAINTAIN EXISTING SYSTEMS IN OPERATION DURING THE COURSE OF DEMOLITION WORK IN BID.

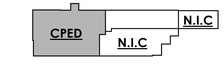
CODED NOTES

1. ALL LIGHTING FIXTURES, DEVICES AND CONTROLS IN THIS AREA SHALL BE MADE SAFE FOR DEMOLITION UNLESS NOTED OTHERWISE - 'XR'. ELECTRICAL DEMOLITION SHALL BE PERFORMED PER THE GENERAL DEMOLITION NOTES. REMOVE ALL WIRING, CONDUIT, BOXES, ETC. ASSOCIATED WITH THE FIXTURES AND DEVICES BACK TO THEIR SOURCE OR NEAREST POINT OF COMMON USE. MAINTAIN ALL POWER/DATA WIRING AND CONDUIT RUNNING THROUGH THIS SPACE THAT FEEDS EXISTING SPACES TO REMAIN OR THAT IS TO BE REUSED OR MODIFIED UNDER THE NEW WORK SCOPE. IDENTIFY THIS CONDUIT AND WIRING TO PREVENT DAMAGE DURING DEMOLITION. THE EXACT EXTENT OF DEMOLITION AREA SHOULD BE CONFIRMED WITH THE ARCHITECTURAL DEMOLITION DRAWINGS.
2. MAINTAIN ALL LIGHTING FIXTURES, DEVICES AND CONTROLS WITHIN THIS SPACE - 'X'.
3. MAINTAIN EXISTING FIXTURE. NEW CONTROLS WILL BE PROVIDED AS SHOWN ON DRAWING E102.
4. MAINTAIN EXISTING CEILING ACRYLIC LENSES. NEW LIGHTS WILL BE PROVIDED TO BACK LIGHT ACRYLIC PANELS AS SHOWN ON E102.



1 ED102 UPPER LEVEL LIGHTING DEMO PLAN - CPED
1/8" = 1'-0"

N



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LIGHTING DEMO PLAN - UPPER LEVEL CPED

ED102

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ALL EXISTING FIRE ALARM DEVICES ASSOCIATED WITH EXISTING SIMPLEX SYSTEM SHALL BE REMOVED IN AREAS OF THE BUILDING THAT ARE TO BE REMODELED UNDER THIS CONTRACT, U.N.O. ALL FIRE ALARM DEVICES IN OTHER PORTIONS OF THE BUILDING THAT ARE NOT BEING RENOVATED SHALL REMAIN ACTIVE. (TYPICAL)

'XRL' RELOCATE EXISTING SIMPLEX 4100U FIRE ALARM PANEL TO LOCATION SHOWN ON NEW WORK PLANS. EXTEND ALL EXISTING WIRING FROM DEVICES THAT MUST BE MAINTAINED TO NEW LOCATION.

ALL POWER AND CONTROLS ASSOCIATED WITH ELEVATOR ARE TO BE MAINTAINED - 'X'

ALL DRY FIRE SUPPRESSION SYSTEM & ALARM COMPONENTS IN THIS AREA SHALL BE MAINTAINED - 'X'

'XR' AUTO DOOR POWER/ACTUATORS & POWER DOORS

'XR' POWER FOR MOTORIZED SHUTTER

'XR' AUTO DOOR POWER/ACTUATORS & POWER DOORS

EXISTING FLOOR POWER AND DATA TO BE ABANDONED IN PLACE. (TYP. OF 5 IN THIS AREA.)

ALL DRY FIRE SUPPRESSION SYSTEM & ALARM COMPONENTS IN THIS AREA SHALL BE REMOVED IN THEIR ENTIRETY.

EXISTING FLOOR POWER AND DATA TO BE ABANDONED IN PLACE. (TYP OF 2 IN THIS AREA)

MAINTAIN POWER TO ALL WATER CLOSET & URINAL AUTOMATIC SENSORS (TYPICAL)

ALL POWER AND CONTROLS ASSOCIATED WITH ELEVATOR/ ELEVATOR MACHINE ROOM ARE TO BE MAINTAINED - 'X'

1 ED200 MAIN LEVEL POWER AND SYSTEMS DEMO PLAN - CPED
1/8" = 1'-0"

N

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POWER & SYSTEMS DEMO PLAN - MAIN LEVEL CPED

ED200

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'XR' AUTO DOOR POWER/ACTUATORS & POWER DOORS

ALL POWER AND CONTROLS ASSOCIATED WITH ELEVATOR/ ELEVATOR MACHINE ROOM ARE TO BE MAINTAINED - 'X'

'X' SIMPLEX NAC EXTENDER

MAINTAIN POWER TO ALL WATER CLOSET & URINAL AUTOMATIC SENSORS (TYPICAL)

ELP3 ERP3 ELP2 ERP2 TE6 T3 T4 RP3 RP4 LP2

DRY SYSTEM FACP-X

1 ED201 MAIN LEVEL POWER AND SYSTEMS DEMO PLAN - KDPS
1/8" = 1'-0"

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POWER & SYSTEMS DEMO PLAN - MAIN LEVEL KDPS

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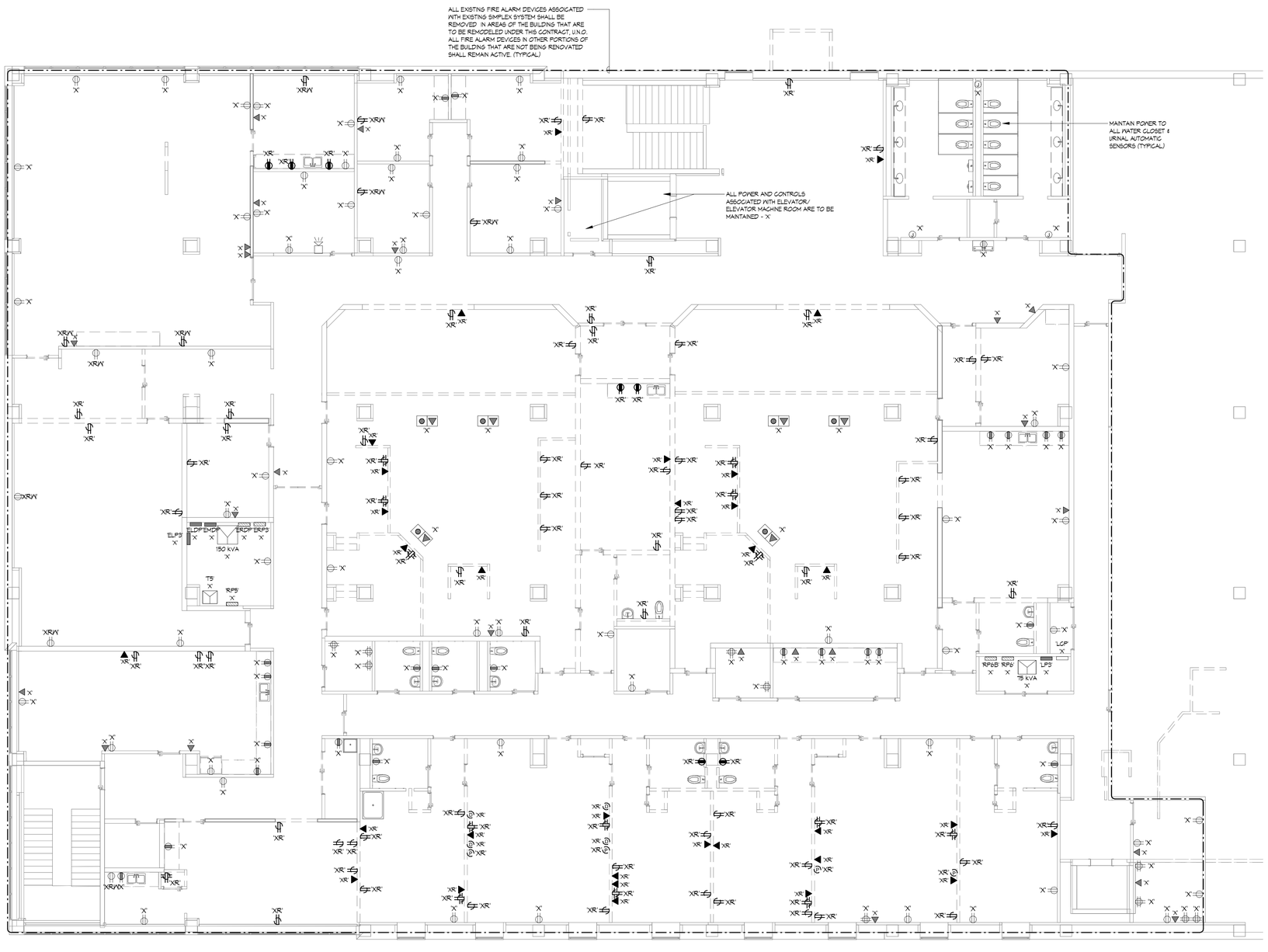
MAINTAIN POWER TO ALL WATER CLOSET & URINAL AUTOMATIC SENSORS (TYPICAL)

ALL POWER AND CONTROLS ASSOCIATED WITH ELEVATOR/ ELEVATOR MACHINE ROOM ARE TO BE MAINTAINED - 'X'



1 ED202 UPPER LEVEL POWER AND SYSTEMS DEMO PLAN - CPED
1/8" = 1'-0"

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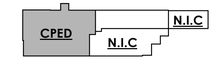

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POWER & SYSTEMS DEMO PLAN - UPPER LEVEL CPED

ED202

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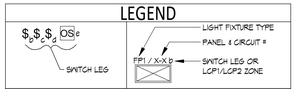


GENERAL NOTES:

A. SWITCH LEG DESIGNATIONS ARE MATCHED BETWEEN CONTROL DEVICES AND LIGHT FIXTURES LOCATED IN THE SAME ROOM, UNLESS NOTED OTHERWISE. CONTACT ENGINEER IF CLARIFICATION IS REQUIRED.

B. LETTER SHOWN 'a' INDICATES AN UNSWITCHED HOT LEG MUST BE BROUGHT TO FIXTURE FOR WIRING OF NIGHT LIGHT (NL) OR AN EXIT SIGN. THIS DESIGNATION IS AN UNCONTROLLED HOT WIRE AHEAD OF LOCAL SWITCHING, LIGHTING CONTROL, ETC.

NL = NIGHT LIGHT, ALWAYS ON.
EM = FIXTURE WIRED TO THE LIFE SAFETY BRANCH OF THE EMERGENCY SYSTEM.
= STANDARD FIXTURES DESIGNATED EM.

G. ALL HOMERUNS SHALL BE #12 AWG + GND IN 3/4" CONDUIT MINIMUM. INCREASE WIRE SIZE PER VOLTAGE DROP TABLE.

D. ALL LIGHTING CIRCUITS SHALL HAVE INDIVIDUAL NEUTRAL CONDUCTORS CONTINUOUS FROM PANEL.

E. THE EXACT LOCATION OF ALL LIGHT FIXTURES SHALL BE AS SHOWN ON THE ARCHITECT'S REFLECTED CEILING PLAN.

VOLTAGE DROP SCHEDULE

120 VOLT BRANCH CIRCUITS UP TO 10 AMPS

TOTAL WIRE LENGTH (FEET)		WIRE SIZE (AWG)
1' - 100'		#12
101' - 150'		#10
151' - 240'		#8
241' - 380'		#6

120 VOLT BRANCH CIRCUITS UP TO 14 AMPS

TOTAL WIRE LENGTH (FEET)		WIRE SIZE (AWG)
1' - 75'		#12
76' - 119'		#10
116' - 190'		#8
186' - 290'		#6

277 VOLT BRANCH CIRCUITS UP TO 16 AMPS

TOTAL WIRE LENGTH (FEET)		WIRE SIZE (AWG)
1' - 140'		#12
141' - 225'		#10
226' - 345'		#8
346' - 546'		#6

MINIMUM BRANCH CIRCUIT WIRING IS #12 AWG. CONTRACTOR SHALL INCREASE WIRE SIZE BASED ON SCHEDULE ABOVE.

BRANCH CIRCUITING GENERAL NOTES

A. ON 20 AMP, 1 POLE CIRCUITS, HOMERUNS SHALL BE 2 #12 AWG + GND IN 3/4" CONDUIT MINIMUM. INCREASE WIRE SIZE PER VOLTAGE DROP TABLE.

B. ALL CIRCUITS SHALL HAVE INDIVIDUAL NEUTRAL CONDUCTORS CONTINUOUS FROM PANEL. SHARED NEUTRALS ARE NOT PERMITTED.

GENERAL NOTES

A. LIGHT FIXTURES SHALL BE SUPPORTED INDEPENDENTLY OF SUSPENDED CEILINGS OR THE SUSPENDED CEILING SHALL BE SUPPORTED WITHIN SIX (6) INCHES OF EACH CORNER OF FIXTURE IN ACCORDANCE WITH ASTM C-636-26 (LATEST VERSION).

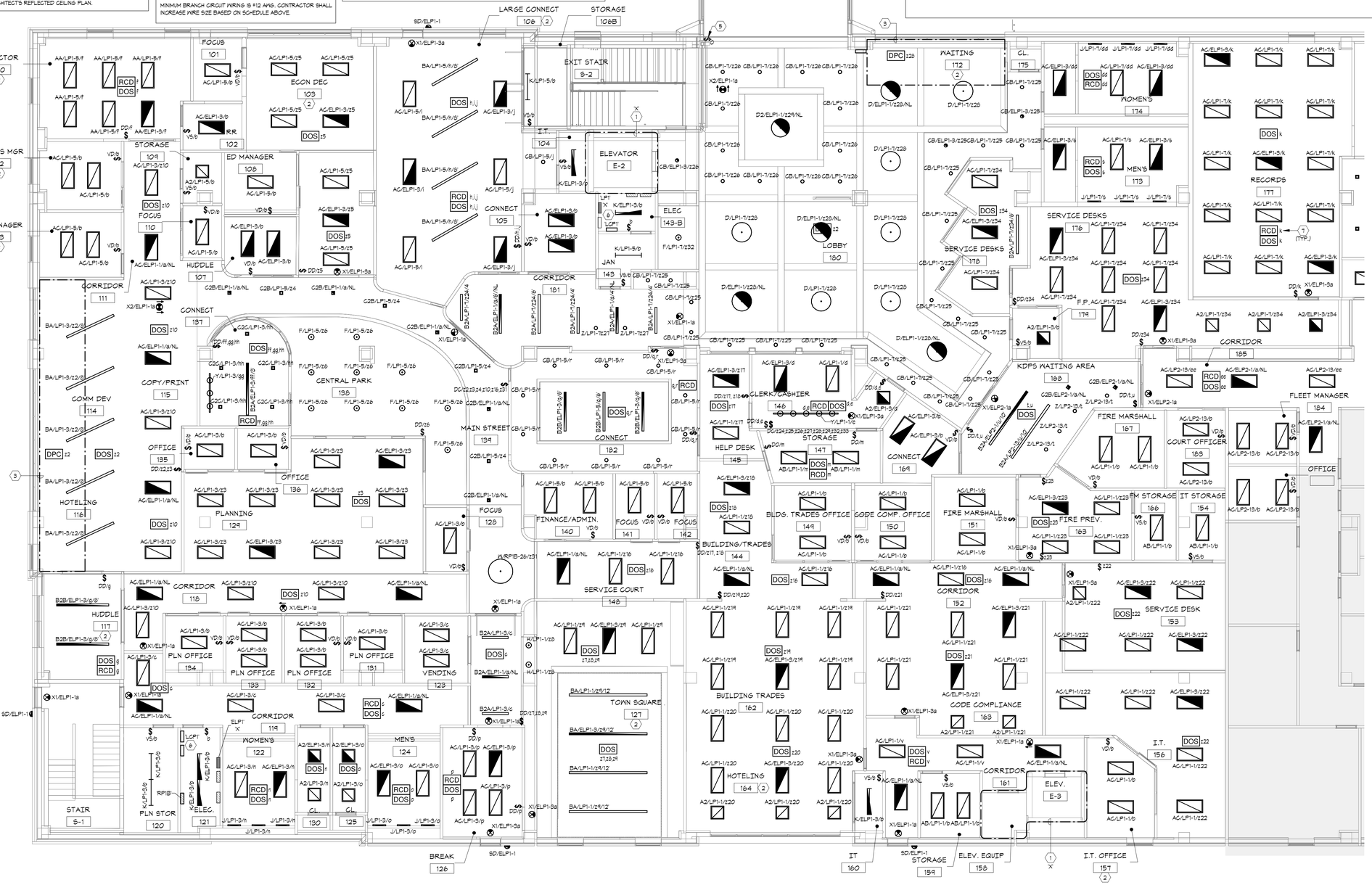
B. ELECTRICAL CONTRACTOR TO COORDINATE SURFACE MOUNTED FIXTURE MOUNTING WITH ALL MECHANICAL DUCTWORK AND PLUMBING PIPING. WHERE INTERFERENCES OCCUR, ELECTRICAL CONTRACTOR TO PROVIDE UNISTRUT SUPPORT AS REQUIRED TO ACCOMMODATE FIXTURE LOCATIONS BELOW DUCTWORK, MECHANICAL EQUIPMENT OR PIPING. ALL STRUT BRACING SHALL BE LOCATED DIRECTLY BELOW DUCTWORK/EQUIPMENT/PIPING AND NOT DOWN AT FIXTURE. DO NOT BLOCK ANY SECTIONS OF MECHANICAL EQUIPMENT THAT REQUIRE SERVICE ACCESS.

C. ELECTRICAL CONTRACTOR TO CONFIRM ALL REQUIREMENTS AND LOCATIONS OF ALL EXIT SIGNS AND EMERGENCY LIGHTS WITH LOCAL FIRE AUTHORITIES PRIOR TO ROUGH-IN.

D. ELECTRICAL CONTRACTOR TO CONFIRM LIGHT FIXTURE CATALOG NUMBERS WITH ALL LIGHT FIXTURES SPECIFIED ON PLANS FOR FIXTURE TRIMS, VOLTAGES, LAMPS ETC.

CODED NOTES

1. MAINTAIN ALL LIGHTING FIXTURES, DEVICES AND CONTROLS WITHIN THIS SPACE - 'X'.
2. DAYLIGHT ZONE: EXEMPT PER 2021 MICHIGAN COMMERCIAL ENERGY CODE C405.2.4(1) - ZONE HAS LESS THAN 150SF OF GENERAL LIGHTING WITHIN PRIMARY SIDELIT DAYLIGHT ZONE OR LESS THAN 300SF OF GENERAL LIGHTING WITHIN ENTIRE SIDELIT DAYLIGHT ZONE.
3. DAYLIGHT HARVESTING ZONE PRIMARY SIDELIGHT - ALL LIGHTING FIXTURE(S) THAT FALL FULLY OR PARTIALLY WITHIN THIS AREA TO HAVE THE SAME FUNCTIONALITY AS THE GENERAL LIGHTING EXCEPT A PHOTOSENSOR SHALL BE PROVIDED TO CONTROL THESE FIXTURE INDEPENDENT OF GENERAL LIGHTING CONTROL. REFER TO SINGLE ROOM LIGHTING CONTROLS - MAIN LEVEL OR LIGHTING CONTROL PANEL 'LCP1' SCHEDULE ON DRAWING E6xx SERIES FOR CONTROL DETAILS AND SEQUENCE OF OPERATION. QUANTITY AND EXACT MOUNTING LOCATION OF ALL PHOTO SENSORS TO BE PROVIDED BY MANUFACTURER.
4. DAYLIGHT HARVESTING ZONE SECONDARY SIDELIGHT - ALL LIGHTING FIXTURE(S) THAT FALL FULLY OR PARTIALLY WITHIN THIS AREA TO HAVE THE SAME FUNCTIONALITY AS THE GENERAL LIGHTING EXCEPT A PHOTOSENSOR SHALL BE PROVIDED TO CONTROL THESE FIXTURE INDEPENDENT OF GENERAL LIGHTING CONTROL & PRIMARY SIDELIGHT CONTROL. REFER TO SINGLE ROOM LIGHTING CONTROLS - MAIN LEVEL OR LIGHTING CONTROL PANEL 'LCP1' SCHEDULE ON DRAWING E6xx SERIES FOR CONTROL DETAILS AND SEQUENCE OF OPERATION. QUANTITY AND EXACT MOUNTING LOCATION OF ALL PHOTO SENSORS TO BE PROVIDED BY MANUFACTURER.
5. DIGITAL AFTER-HOURS OVERRIDE SWITCH FOR LIGHTING CIRCUITS CONTROLLED BY 'LCP1', WITH INDICATOR LIGHTS AS REQUIRED - SEE DRAWING E601. CONFIRM EXACT LOCATION WITH OWNER, PRIOR TO ROUGH-IN.
6. PROVIDE 120V EM CIRCUIT (ERP1:11) FOR LIGHTING CONTROL PANEL. REFER TO LIGHTING CONTROL SYSTEM DIAGRAM ON DRAWING E601 FOR ADDITIONAL DETAILS. PROVIDE QUANTITY OF CONTROLS PANELS AS REQUIRED TO COVER ALL NECESSARY ZONES AS LISTED ON LIGHTING CONTROL PANEL 'LCP1' SCHEDULE ON DRAWING E6xx SERIES.
7. REFER TO SINGLE ROOM LIGHTING CONTROLS - MAIN LEVEL' SCHEDULE ON DRAWING E6xx SERIES FOR CONTROL DETAILS AND SEQUENCE OF OPERATION. ROOM CONTROLLER SHALL BE INSTALLED ABOVE CEILING, IN ACCESSIBLE LOCATION, WHERE POSSIBLE. OTHERWISE, ARCHITECT SHALL PROVIDE ACCESS PANEL.



1 E100 MAIN LEVEL LIGHTING PLAN - CPED
1/8" = 1'-0"

N

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N.I.C

KEY PLAN - CPED
NTS

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LIGHTING PLAN - MAIN LEVEL CPED

E100

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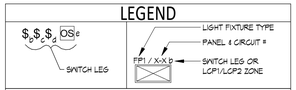
LEGEND



GENERAL NOTES:

A. SWITCH LEG DESIGNATIONS ARE MATCHED BETWEEN CONTROL DEVICES AND LIGHT FIXTURES LOCATED IN THE SAME ROOM, UNLESS NOTED OTHERWISE. CONTACT ENGINEER IF CLARIFICATION IS REQUIRED.

B. LETTER SHOWN 'a' INDICATES AN UNSWITCHED HOT LEG MUST BE BROUGHT TO FIXTURE FOR WIRING OF NIGHT LIGHT (NL) OR AN EXIT SIGN. THIS DESIGNATION IS AN UNCONTROLLED HOT WIRE AHEAD OF LOCAL SWITCHING, LIGHTING CONTROL, ETC.
NL = NIGHT LIGHT, ALWAYS ON.
EM = FIXTURE WIRED TO THE LIFE SAFETY BRANCH OF THE EMERGENCY SYSTEM.
= STANDARD FIXTURES DESIGNATED EM.

C. ALL HOMERUNS SHALL BE #12 AWG + GND IN 3/4" CONDUIT MINIMUM. INCREASE WIRE SIZE PER VOLTAGE DROP TABLE.

D. ALL LIGHTING CIRCUITS SHALL HAVE INDIVIDUAL NEUTRAL CONDUCTORS CONTINUOUS FROM PANEL.

E. THE EXACT LOCATION OF ALL LIGHT FIXTURES SHALL BE AS SHOWN ON THE ARCHITECT'S REFLECTED CEILING PLAN.

VOLTAGE DROP SCHEDULE

120 VOLT BRANCH CIRCUITS UP TO 10 AMPS

TOTAL WIRE LENGTH (FEET)			WIRE SIZE (AWG)
1'	-	100'	#12
101'	-	150'	#10
151'	-	240'	#8
241'	-	380'	#6

120 VOLT BRANCH CIRCUITS UP TO 14 AMPS

TOTAL WIRE LENGTH (FEET)			WIRE SIZE (AWG)
1'	-	75'	#12
76'	-	115'	#10
116'	-	185'	#8
186'	-	290'	#6

277 VOLT BRANCH CIRCUITS UP TO 16 AMPS

TOTAL WIRE LENGTH (FEET)			WIRE SIZE (AWG)
1'	-	140'	#12
141'	-	225'	#10
226'	-	345'	#8
346'	-	546'	#6

MINIMUM BRANCH CIRCUIT WIRING IS #12 AWG. CONTRACTOR SHALL INCREASE WIRE SIZE BASED ON SCHEDULE ABOVE.

BRANCH CIRCUITING GENERAL NOTES

A. ON 20 AMP, 1 POLE CIRCUITS, HOMERUNS SHALL BE 2 #12 AWG + GND IN 3/4" CONDUIT MINIMUM. INCREASE WIRE SIZE PER VOLTAGE DROP TABLE.

B. ALL CIRCUITS SHALL HAVE INDIVIDUAL NEUTRAL CONDUCTORS CONTINUOUS FROM PANEL. SHARED NEUTRALS ARE NOT PERMITTED.

GENERAL NOTES

A. LIGHT FIXTURES SHALL BE SUPPORTED INDEPENDENTLY OF SUSPENDED CEILINGS OR THE SUSPENDED CEILING SHALL BE SUPPORTED WITHIN SIX (6) INCHES OF EACH CORNER OF FIXTURE IN ACCORDANCE WITH ASTM C-636-26 (LATEST VERSION).

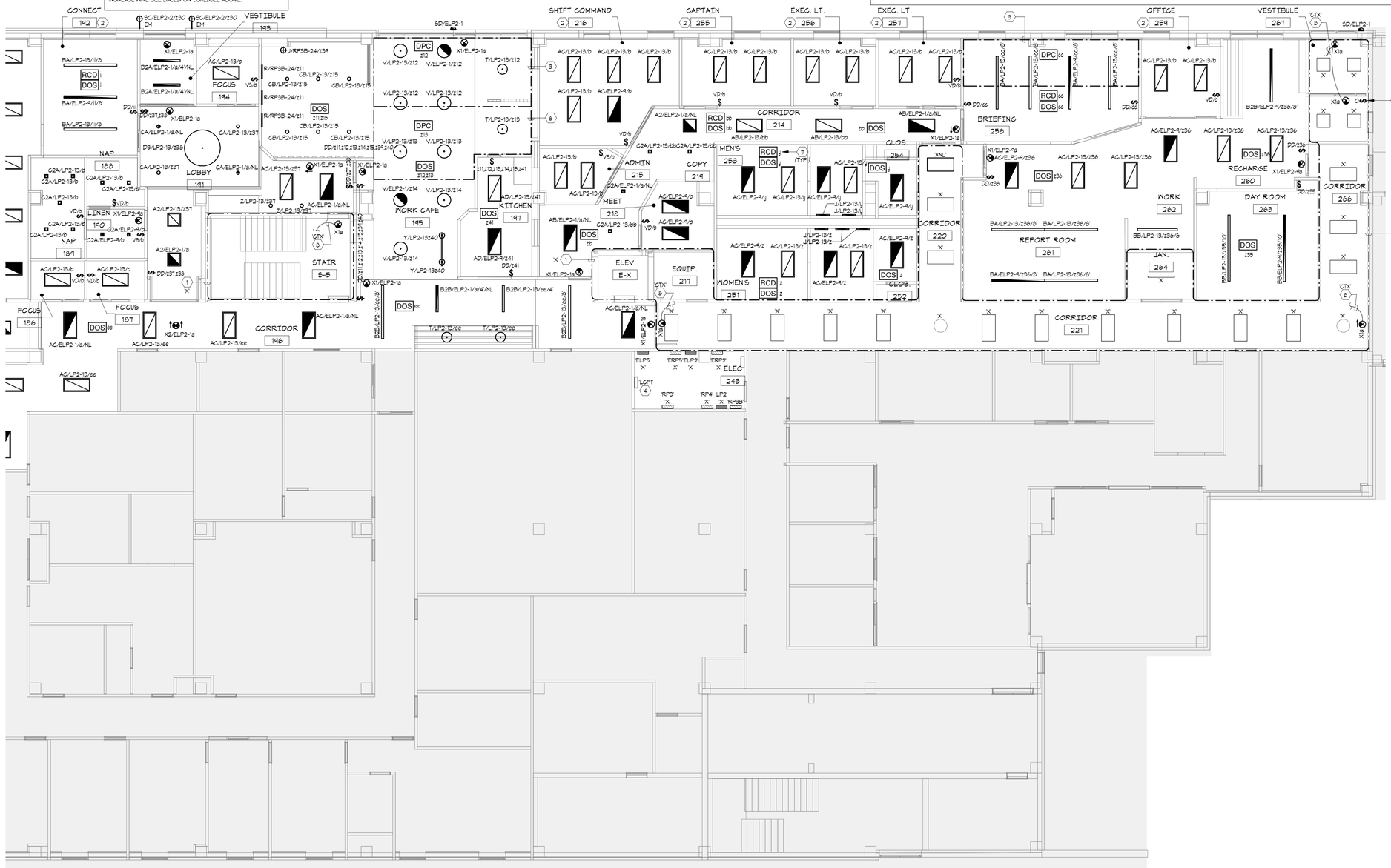
B. ELECTRICAL CONTRACTOR TO COORDINATE SURFACE MOUNTED FIXTURE MOUNTING WITH ALL MECHANICAL DUCTWORK AND PLUMBING PIPING. WHERE INTERFERENCES OCCUR, ELECTRICAL CONTRACTOR TO PROVIDE UNISTRUT SUPPORT AS REQUIRED TO ACCOMMODATE FIXTURE LOCATIONS BELOW DUCTWORK, MECHANICAL EQUIPMENT OR PIPING. ALL STRUT BRACING SHALL BE LOCATED DIRECTLY BELOW DUCTWORK/EQUIPMENT/PIPING AND NOT DOWN AT FIXTURE. DO NOT BLOCK ANY SECTIONS OF MECHANICAL EQUIPMENT THAT REQUIRE SERVICE ACCESS.

C. ELECTRICAL CONTRACTOR TO CONFIRM ALL REQUIREMENTS AND LOCATIONS OF ALL EXIT SIGNS AND EMERGENCY LIGHTS WITH LOCAL FIRE AUTHORITIES PRIOR TO ROUGH-IN.

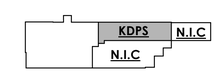
D. ELECTRICAL CONTRACTOR TO CONFIRM LIGHT FIXTURE CATALOG NUMBERS WITH ALL LIGHT FIXTURES SPECIFIED ON PLANS FOR FIXTURE TRIMS, VOLTAGES, LAMPS ETC.

CODED NOTES

1. MAINTAIN ALL LIGHTING FIXTURES, DEVICES AND CONTROLS WITHIN THIS SPACE - 'X'.
2. DAYLIGHT ZONE: EXEMPT PER 2021 MICHIGAN COMMERCIAL ENERGY CODE C405.2.4(1) - ZONE HAS LESS THAN 150W OF GENERAL LIGHTING WITHIN PRIMARY SIDELIT DAYLIGHT ZONE OR LESS THAN 300W OF GENERAL LIGHTING WITHIN ENTIRE SIDELIT DAYLIGHT ZONE.
3. DAYLIGHT HARVESTING ZONE PRIMARY SIDELIGHT - ALL LIGHTING FIXTURE(S) THAT FALL FULLY OR PARTIALLY WITHIN THIS AREA TO HAVE THE SAME FUNCTIONALITY AS THE GENERAL LIGHTING EXCEPT A PHOTOSENSOR SHALL BE PROVIDED TO CONTROL THESE FIXTURE INDEPENDENT OF GENERAL LIGHTING CONTROL. REFER TO SINGLE ROOM LIGHTING CONTROLS - MAIN LEVEL OR LIGHTING CONTROL PANEL 'LCP1' SCHEDULE ON DRAWING E6xx SERIES FOR CONTROL DETAILS AND SEQUENCE OF OPERATION. QUANTITY AND EXACT MOUNTING LOCATION OF ALL PHOTO SENSORS TO BE PROVIDED BY MANUFACTURER.
4. PROVIDE 120V EM CIRCUIT (ERP1-11) FOR LIGHTING CONTROL PANEL. REFER TO 'LIGHTING CONTROL SYSTEM DIAGRAM' ON DRAWING E601 FOR ADDITIONAL DETAILS. PROVIDE QUANTITY OF CONTROLS PANELS AS REQUIRED TO COVER ALL NECESSARY ZONES AS LISTED ON LIGHTING CONTROL PANEL 'LCP1' SCHEDULE ON DRAWING E6xx SERIES.
5. DIGITAL AFTER-HOURS OVERRIDE SWITCH FOR LIGHTING CIRCUITS CONTROLLED BY 'LCP1', WITH INDICATOR LIGHTS AS REQUIRED - SEE DRAWING E601. CONFIRM EXACT LOCATION WITH OWNER, PRIOR TO ROUGH-IN.
6. DAYLIGHT HARVESTING ZONE SECONDARY SIDELIGHT - ALL LIGHTING FIXTURE(S) THAT FALL FULLY OR PARTIALLY WITHIN THIS AREA TO HAVE THE SAME FUNCTIONALITY AS THE GENERAL LIGHTING EXCEPT A PHOTOSENSOR SHALL BE PROVIDED TO CONTROL THESE FIXTURE INDEPENDENT OF GENERAL LIGHTING CONTROL & PRIMARY SIDELIGHT CONTROL. REFER TO SINGLE ROOM LIGHTING CONTROLS - MAIN LEVEL' OR 'LIGHTING CONTROL PANEL 'LCP1' SCHEDULE ON DRAWING E6xx SERIES FOR CONTROL DETAILS AND SEQUENCE OF OPERATION. QUANTITY AND EXACT MOUNTING LOCATION OF ALL PHOTO SENSORS TO BE PROVIDED BY MANUFACTURER.
7. REFER TO SINGLE ROOM LIGHTING CONTROLS - MAIN LEVEL' SCHEDULE ON DRAWING E6xx SERIES FOR CONTROL DETAILS AND SEQUENCE OF OPERATION. ROOM CONTROLLER SHALL BE INSTALLED ABOVE CEILING, IN ACCESSIBLE LOCATION, WHERE POSSIBLE. OTHERWISE, ARCHITECT SHALL PROVIDE ACCESS PANEL.
8. CONNECT TO EXISTING EMERGENCY CIRCUIT IN THIS AREA.



1 / E101 MAIN LEVEL LIGHTING PLAN - KDPS
1/8" = 1'-0"



KEY PLAN - KDPS
NTS

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City of Kalamazoo - Crosstown Facility
CPED & KDPS Workplace Renovation
150 E Crosstown Parkway Kalamazoo MI 49001

Seal:

BID Set 08/21/2025

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Project Number: 23-046

LIGHTING PLAN - MAIN LEVEL KDPS

E101

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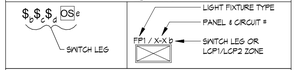
LEGEND



GENERAL NOTES:

A. SWITCH LEG DESIGNATIONS ARE MATCHED BETWEEN CONTROL DEVICES AND LIGHT FIXTURES LOCATED IN THE SAME ROOM, UNLESS NOTED OTHERWISE. CONTACT ENGINEER IF CLARIFICATION IS REQUIRED.

B. LETTER SHOWN 'a' INDICATES AN UNSWITCHED HOT LEG MUST BE BROUGHT TO FIXTURE FOR WIRING OF NIGHT LIGHT (NL) OR AN EXIT SIGN. THIS DESIGNATION IS AN UNCONTROLLED HOT WIRE AHEAD OF LOCAL SWITCHING, LIGHTING CONTROL, ETC.
NL = NIGHT LIGHT, ALWAYS ON.
EM = FIXTURE WIRED TO THE LIFE SAFETY BRANCH OF THE EMERGENCY SYSTEM.
= STANDARD FIXTURES DESIGNATED EM.

C. ALL HOMERUNS SHALL BE #12 AWG + GND IN 3/4" CONDUIT MINIMUM. INCREASE WIRE SIZE PER VOLTAGE DROP TABLE.

D. ALL LIGHTING CIRCUITS SHALL HAVE INDIVIDUAL NEUTRAL CONDUCTORS CONTINUOUS FROM PANEL.

E. THE EXACT LOCATION OF ALL LIGHT FIXTURES SHALL BE AS SHOWN ON THE ARCHITECT'S REFLECTED CEILING PLAN.

VOLTAGE DROP SCHEDULE

120 VOLT BRANCH CIRCUITS UP TO 10 AMPS

TOTAL WIRE LENGTH (FEET)		WIRE SIZE (AWG)
1' - 100'		#12
101' - 150'		#10
151' - 240'		#8
241' - 380'		#6

120 VOLT BRANCH CIRCUITS UP TO 14 AMPS

TOTAL WIRE LENGTH (FEET)		WIRE SIZE (AWG)
1' - 75'		#12
76' - 119'		#10
116' - 185'		#8
186' - 290'		#6

277 VOLT BRANCH CIRCUITS UP TO 16 AMPS

TOTAL WIRE LENGTH (FEET)		WIRE SIZE (AWG)
1' - 140'		#12
141' - 225'		#10
226' - 345'		#8
346' - 546'		#6

MINIMUM BRANCH CIRCUIT WIRING IS #12 AWG. CONTRACTOR SHALL INCREASE WIRE SIZE BASED ON SCHEDULE ABOVE.

BRANCH CIRCUITING GENERAL NOTES

A. ON 20 AMP, 1 POLE CIRCUITS, HOMERUNS SHALL BE 2 #12 AWG + GND IN 3/4" CONDUIT MINIMUM. INCREASE WIRE SIZE PER VOLTAGE DROP TABLE.

B. ALL CIRCUITS SHALL HAVE INDIVIDUAL NEUTRAL CONDUCTORS CONTINUOUS FROM PANEL. SHARED NEUTRALS ARE NOT PERMITTED.

GENERAL NOTES

A. LIGHT FIXTURES SHALL BE SUPPORTED INDEPENDENTLY OF SUSPENDED CEILINGS OR THE SUSPENDED CEILING SHALL BE SUPPORTED WITHIN SIX (6) INCHES OF EACH CORNER OF FIXTURE IN ACCORDANCE WITH ASTM C-636-26 (LATEST VERSION).

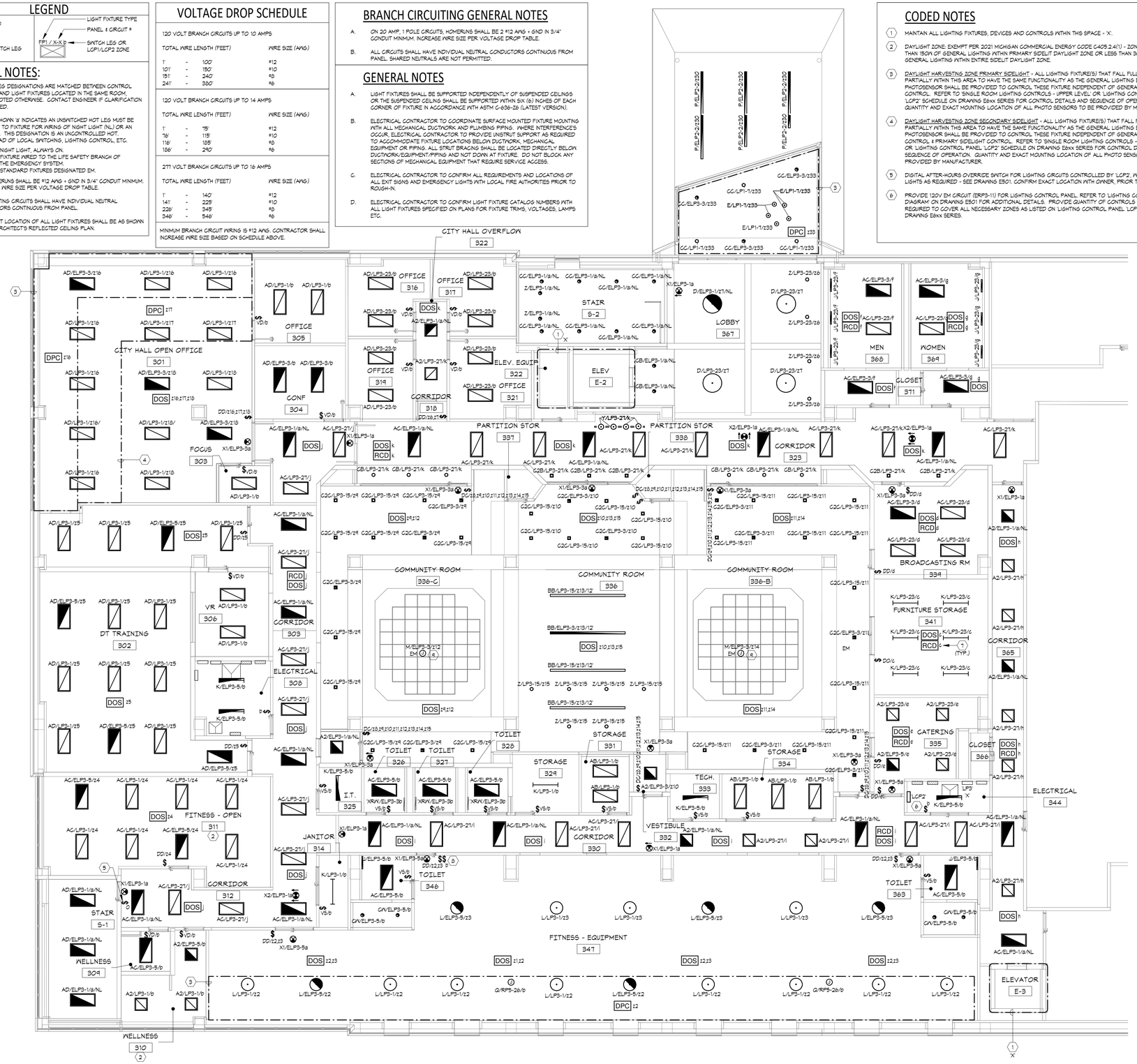
B. ELECTRICAL CONTRACTOR TO COORDINATE SURFACE MOUNTED FIXTURE MOUNTING WITH ALL MECHANICAL DUCTWORK AND PLUMBING PIPING. WHERE INTERFERENCES OCCUR, ELECTRICAL CONTRACTOR TO PROVIDE UNISTRUT SUPPORT AS REQUIRED TO ACCOMMODATE FIXTURE LOCATIONS BELOW DUCTWORK, MECHANICAL EQUIPMENT OR PIPING. ALL STRUT BRACING SHALL BE LOCATED DIRECTLY BELOW DUCTWORK/EQUIPMENT/PIPING AND NOT DOWN AT FIXTURE. DO NOT BLOCK ANY SECTIONS OF MECHANICAL EQUIPMENT THAT REQUIRE SERVICE ACCESS.

C. ELECTRICAL CONTRACTOR TO CONFIRM ALL REQUIREMENTS AND LOCATIONS OF ALL EXIT SIGNS AND EMERGENCY LIGHTS WITH LOCAL FIRE AUTHORITIES PRIOR TO ROUGH-IN.

D. ELECTRICAL CONTRACTOR TO CONFIRM LIGHT FIXTURE CATALOG NUMBERS WITH ALL LIGHT FIXTURES SPECIFIED ON PLANS FOR FIXTURE TRIMS, VOLTAGES, LAMPS ETC.

CODED NOTES

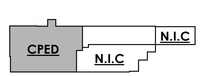
1. MAINTAIN ALL LIGHTING FIXTURES, DEVICES AND CONTROLS WITHIN THIS SPACE - 'X'.
2. DAYLIGHT ZONE EXEMPT PER 2021 MICHIGAN COMMERCIAL ENERGY CODE C405.2.4(1) - ZONE HAS LESS THAN 150W OF GENERAL LIGHTING WITHIN PRIMARY SIDELIT DAYLIGHT ZONE OR LESS THAN 300W OF GENERAL LIGHTING WITHIN ENTIRE SIDELIT DAYLIGHT ZONE.
3. DAYLIGHT HARVESTING ZONE PRIMARY SIDELIGHT - ALL LIGHTING FIXTURE(S) THAT FALL FULLY OR PARTIALLY WITHIN THIS AREA TO HAVE THE SAME FUNCTIONALITY AS THE GENERAL LIGHTING EXCEPT A PHOTOSENSOR SHALL BE PROVIDED TO CONTROL THESE FIXTURE INDEPENDENT OF GENERAL LIGHTING CONTROL. REFER TO SINGLE ROOM LIGHTING CONTROLS - UPPER LEVEL OR LIGHTING CONTROL PANEL 'LCP2' SCHEDULE ON DRAWING E6xx SERIES FOR CONTROL DETAILS AND SEQUENCE OF OPERATION. QUANTITY AND EXACT MOUNTING LOCATION OF ALL PHOTO SENSORS TO BE PROVIDED BY MANUFACTURER.
4. DAYLIGHT HARVESTING ZONE SECONDARY SIDELIGHT - ALL LIGHTING FIXTURE(S) THAT FALL FULLY OR PARTIALLY WITHIN THIS AREA TO HAVE THE SAME FUNCTIONALITY AS THE GENERAL LIGHTING EXCEPT A PHOTOSENSOR SHALL BE PROVIDED TO CONTROL THESE FIXTURE INDEPENDENT OF GENERAL LIGHTING CONTROL & PRIMARY SIDELIGHT CONTROL. REFER TO SINGLE ROOM LIGHTING CONTROLS - UPPER LEVEL OR LIGHTING CONTROL PANEL 'LCP2' SCHEDULE ON DRAWING E6xx SERIES FOR CONTROL DETAILS AND SEQUENCE OF OPERATION. QUANTITY AND EXACT MOUNTING LOCATION OF ALL PHOTO SENSORS TO BE PROVIDED BY MANUFACTURER.
5. DIGITAL AFTER-HOURS OVERRIDE SWITCH FOR LIGHTING CIRCUITS CONTROLLED BY 'LCP2' WITH INDICATOR LIGHTS AS REQUIRED - SEE DRAWING E501. CONFIRM EXACT LOCATION WITH OWNER, PRIOR TO ROUGH-IN.
6. PROVIDE 120V EM CIRCUIT (ERPS-11) FOR LIGHTING CONTROL PANEL. REFER TO LIGHTING CONTROL SYSTEM DIAGRAM ON DRAWING E501 FOR ADDITIONAL DETAILS. PROVIDE QUANTITY OF CONTROLS PANELS AS REQUIRED TO COVER ALL NECESSARY ZONES AS LISTED ON 'LIGHTING CONTROL PANEL LCP2' SCHEDULE ON DRAWING E6xx SERIES.
7. REFER TO 'SINGLE ROOM LIGHTING CONTROLS - UPPER LEVEL' SCHEDULE ON DRAWING E6xx SERIES FOR CONTROL DETAILS AND SEQUENCE OF OPERATION. ROOM CONTROLLER SHALL BE INSTALLED ABOVE CEILING, IN ACCESSIBLE LOCATION, WHERE POSSIBLE. OTHERWISE, ARCHITECT SHALL PROVIDE ACCESS PANEL.
8. E.C. SHALL INSTALL CEILING FAN CONTROL AS LOCATED BY OWNER. CONFIRM PRIOR TO ROUGH-IN.
9. E.C. SHALL PROVIDE QUANTITY OF LUMNOUS LED PANELS AS REQUIRED TO COVER ENTIRE AREA ABOVE CEILING PANELS - APPROXIMATE QUANTITY = 148. CONFIRM WITH MANUFACTURER, PRIOR TO ORDERING.



1 E102 UPPER LEVEL LIGHTING PLAN - CPED
1/8" = 1'-0"

N

NOTE:
THE EXISTING SECOND FLOOR IS A STRUCTURAL 2-WAY SLAB SPANNING COLUMN LINE TO COLUMN LINE, AND PENETRATIONS AND LOADING SHALL BE LIMITED. SEE S102 FOR NOTES.



KEY PLAN - CPED
NTS

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City of Kalamazoo - Crosstown Facility
CPED & KDPS Workplace Renovation
150 E Crosstown Parkway Kalamazoo MI 49001

Seal:

BID Set 08/21/2025

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Project Number: 23-046

LIGHTING PLAN - UPPER LEVEL CPED

E102

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BRANCH CIRCUITING GENERAL NOTES:

A. ON 20 AMP, 1 POLE CIRCUITS, HOMERUNS SHALL BE 2 #12 AWG + GND IN 3/4" CONDUIT MINIMUM. INCREASE WIRE SIZE PER VOLTAGE DROP TABLE.

B. ALL CIRCUITS SHALL HAVE INDIVIDUAL NEUTRAL CONDUCTORS CONTINUOUS FROM PANEL. SHARED NEUTRALS ARE NOT PERMITTED.

VOLTAGE DROP SCHEDULE

120 VOLT BRANCH CIRCUITS UP TO 10 AMPS

TOTAL WIRE LENGTH (FEET)			WIRE SIZE (AWG)
1'	-	100'	#12
101'	-	150'	#10
151'	-	240'	#8
241'	-	330'	#6

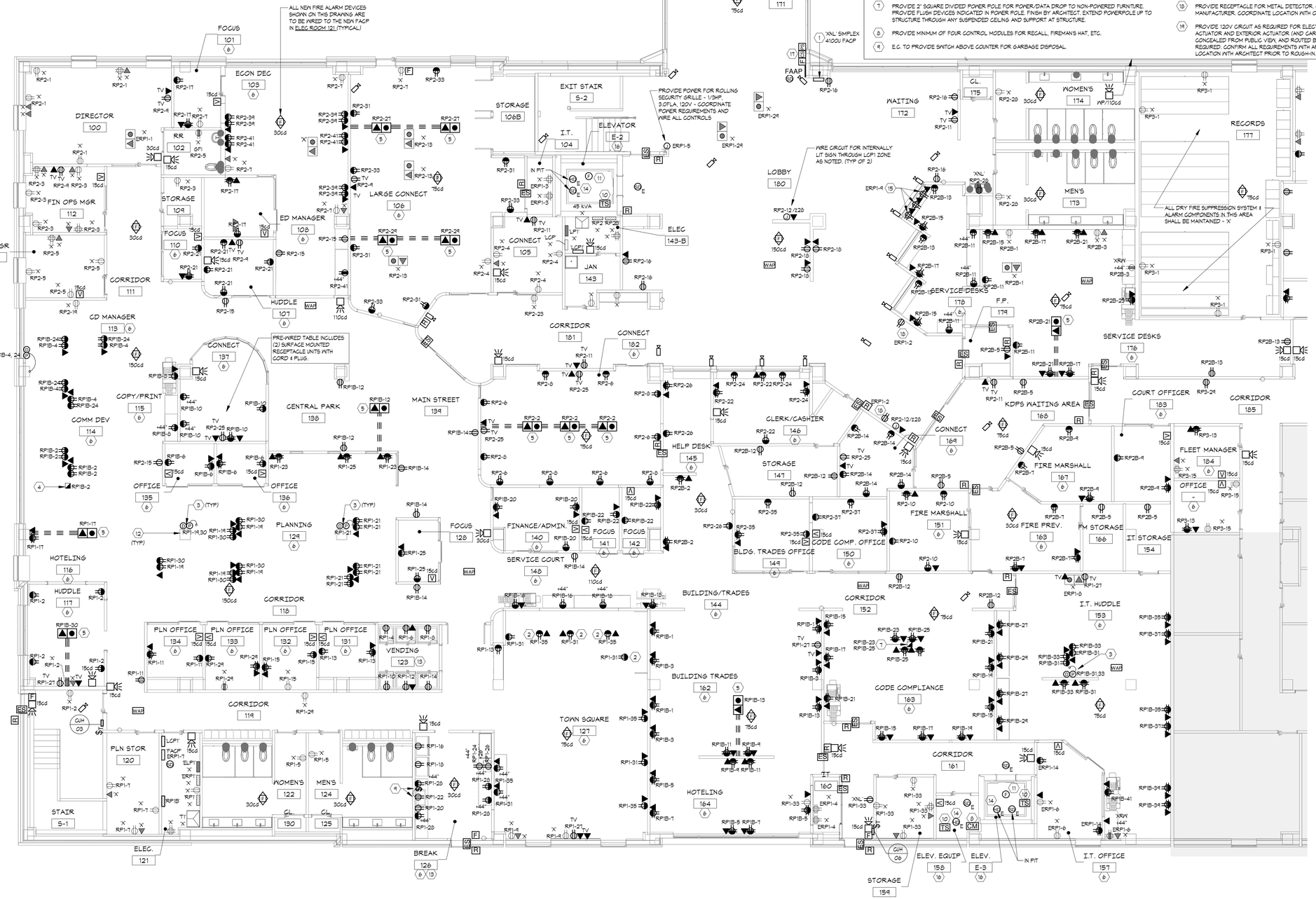
120 VOLT BRANCH CIRCUITS UP TO 14 AMPS

TOTAL WIRE LENGTH (FEET)			WIRE SIZE (AWG)
1'	-	75'	#12
76'	-	115'	#10
116'	-	195'	#8
196'	-	290'	#6

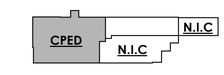
MINIMUM BRANCH CIRCUIT WIRING IS #12 AWG. CONTRACTOR SHALL INCREASE WIRE SIZE BASED ON SCHEDULE ABOVE.

CODED NOTES

1. NEW LOCATION FOR EXISTING SIMPLEX 4100U FIRE ALARM PANEL. EXTEND ALL EXISTING WIRING FROM DEVICES THAT MUST BE MAINTAINED TO THIS NEW LOCATION. ALSO EXTEND EXISTING 120V CIRCUIT AND ALL ASSOCIATED COMMUNICATION WIRING.
2. RECEPTACLE/DATA ROUGH-IN TO BE RECESS MOUNTED HORIZONTALLY IN FACE OF BANQUETTE BENCH RISER. REFERENCE ARCHITECTURAL PLANS FOR DETAILS.
3. PROVIDE POWER AND DATA FEED FOR SYSTEMS FURNITURE. FEED TO BE FLEXIBLE WHIP OF ADEQUATE SLACK TO ALLOW ADJUSTMENTS TO FURNITURE POSITIONING. DATA CONDUIT SHALL BE 2". CIRCUIT ARRANGEMENT TO BE COORDINATED WITH FINAL SYSTEMS FURNITURE SELECTION.
4. PROVIDE 2" SQUARE DIVIDED POWER POLE FOR POWER/DATA DROP TO SYSTEMS FURNITURE. FINISH BY ARCHITECT. CIRCUIT ARRANGEMENT TO BE COORDINATED WITH FINAL SYSTEMS FURNITURE SELECTION. EXTEND POWERPOLE UP TO STRUCTURE THROUGH ANY SUSPENDED CEILING AND SUPPORT AT STRUCTURE.
5. PROVIDE UNDER CARPET FLEX RACEWAY SYSTEM AND IN-WALL ENTRANCE END FITTING, AS REQUIRED - COORDINATE EXACT LAYOUT WITH LOCAL LEGRAND/CONNECTRAC VENDOR (WIREMOLD, OR APPROVED EQUAL), OWNER, AND FURNITURE VENDOR, PRIOR TO ORDERING.
6. NEW RECEPTACLES IN THIS SPACE ARE SUBJECT TO THE AUTOMATIC RECEPTACLE CONTROL REQUIREMENTS OF THE 2021 MICHIGAN COMMERCIAL ENERGY CODE OUTLINED IN SECTION C405.11. DEVICE SYMBOLS FOR "SWITCHED" RECEPTACLES SHALL BE SPLIT WIRED WITH THE TOP RECEPTACLE BEING FED BY AN UNSWITCHED HOT LEG DIRECTLY FROM THE PANEL. TOP RECEPTACLE SHALL BE FED BY A SWITCHED HOT LEG ROUTED THROUGH A LIGHTING CONTROL PANEL - REFER TO LIGHTING CONTROL SCHEDULES FOR DETAILS.
7. PROVIDE 2" SQUARE DIVIDED POWER POLE FOR POWER/DATA DROP TO NON-POWERED FURNITURE. PROVIDE FLUSH DEVICES INDICATED IN POWER POLE. FINISH BY ARCHITECT. EXTEND POWERPOLE UP TO STRUCTURE THROUGH ANY SUSPENDED CEILING AND SUPPORT AT STRUCTURE.
8. PROVIDE MINIMUM OF FOUR CONTROL MODULES FOR RECALL, FIREMAN'S HAT, ETC.
9. E.C. TO PROVIDE SWITCH ABOVE COUNTER FOR GARBAGE DISPOSAL.
10. TAMPER SWITCH IN ELEVATOR SHAFT/MACHINE ROOM AS REQUIRED.
11. PROVIDE FIRE ALARM SPEAKER ONLY - CEILING MOUNT STYLE, WHITE - IN ELEVATOR. PROVIDE TO ELEVATOR CONTRACTOR FOR INSTALLATION. PROVIDE SPEAKER CIRCUIT TO ELEVATOR EQUIPMENT ROOM AND TRAVELING CABLE AS DIRECTED BY ELEVATOR INSTALLER.
12. NEW POWER AND/OR DATA SHOWN AT EXPOSED CONCRETE COLUMNS SHALL BE RUN IN SURFACE MOUNTED EMT CONDUIT TO SURFACE MOUNTED STEEL JUNCTION BOXES.
13. ALL RECEPTACLES IN THIS AREA WIRED TO 6FCI CIRCUIT BREAKERS.
14. LOCATE HEAT DETECTOR WITH FIXED AND RATE OF RISE ELEMENT WITHIN 24" OF ALL SPRINKLER HEADS IN SHAFT/PIT/MACHINE ROOM. SEE ELEVATOR SHUT DOWN WIRING DIAGRAM. CONFIRM ALL LOCATIONS OF SPRINKLER HEADS WITH FIRE PROTECTION SHOP DRAWINGS.
15. COORDINATE EXACT QUANTITY AND LOCATION OF ALL CCTV MONITORS, PRIOR TO ROUGH-N.
16. REPLACE ALL FIRE ALARM DEVICES FOR EXISTING ELEVATOR. CONFIRM EXACT QUANTITY OF DEVICES IN THE FIELD, PRIOR TO BIDS.
17. PROVIDE TWO-WAY COMMUNICATION EMERGENCY PHONE AT EACH ELEVATOR LANDING NOT ON AN ACCESSIBLE EXIT DISCHARGE LEVEL, AND AT DESIGNATED CENTRAL CONTROL LOCATION, AS DIRECTED BY LOCAL AHJ. BASIS OF DESIGN SHALL BE RATH COMMERCIAL ELEVATOR PHONE SERIES, OR EQUAL. CONFIRM WITH LOCAL AHJ. PROVIDE ALL COMPONENTS AND WIRING AS REQUIRED, FOR A COMPLETE OPERATING SYSTEM.
18. PROVIDE RECEPTACLE FOR METAL DETECTOR. COORDINATE ELECTRICAL AND DATA REQUIREMENTS WITH MANUFACTURER. COORDINATE LOCATION WITH OWNER AND ARCHITECTURAL DRAWINGS PRIOR TO ROUGH-IN.
19. PROVIDE 120V CIRCUIT AS REQUIRED FOR ELECTRIC DOOR OPERATOR, AND 3/4"C. W/ PULLSTRING TO INTERIOR ACTUATOR AND EXTERIOR ACTUATOR (AND CARD READER) LOCATED ON POST (ALL CONDUITS SHALL BE CONCEALED FROM PUBLIC VIEW, AND ROUTED BELOW GRADE AS REQUIRED). DRILL DOOR FRAMES AS REQUIRED. CONFIRM ALL REQUIREMENTS WITH ARCHITECT AND DOOR HARDWARE PROVIDED. CONFIRM EXACT LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN.



1 / E200 MAIN LEVEL POWER AND SYSTEMS PLAN - CPED
1/8" = 1'-0"



KEY PLAN - CPED
NTS

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City of Kalamazoo - Crosstown Facility
CPED & KDPS Workplace Renovation
150 E Crosstown Parkway Kalamazoo MI 49001

Seal:

BID Set 08/21/2025

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Project Number: 23-046

POWER & SYSTEMS PLAN - MAIN LEVEL CPED

E200

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BRANCH CIRCUITING GENERAL NOTES:

A. ON 20 AMP, 1 POLE CIRCUITS, HOMERUNS SHALL BE 2 #12 AWG + GND IN 3/4" CONDUIT MINIMUM. INCREASE WIRE SIZE PER VOLTAGE DROP TABLE.

B. ALL CIRCUITS SHALL HAVE INDIVIDUAL NEUTRAL CONDUCTORS CONTINUOUS FROM PANEL. SHARED NEUTRALS ARE NOT PERMITTED.

VOLTAGE DROP SCHEDULE

120 VOLT BRANCH CIRCUITS UP TO 10 AMPS

TOTAL WIRE LENGTH (FEET)			WIRE SIZE (AWG)
1'	-	100'	#12
101'	-	150'	#10
151'	-	240'	#8
241'	-	330'	#6

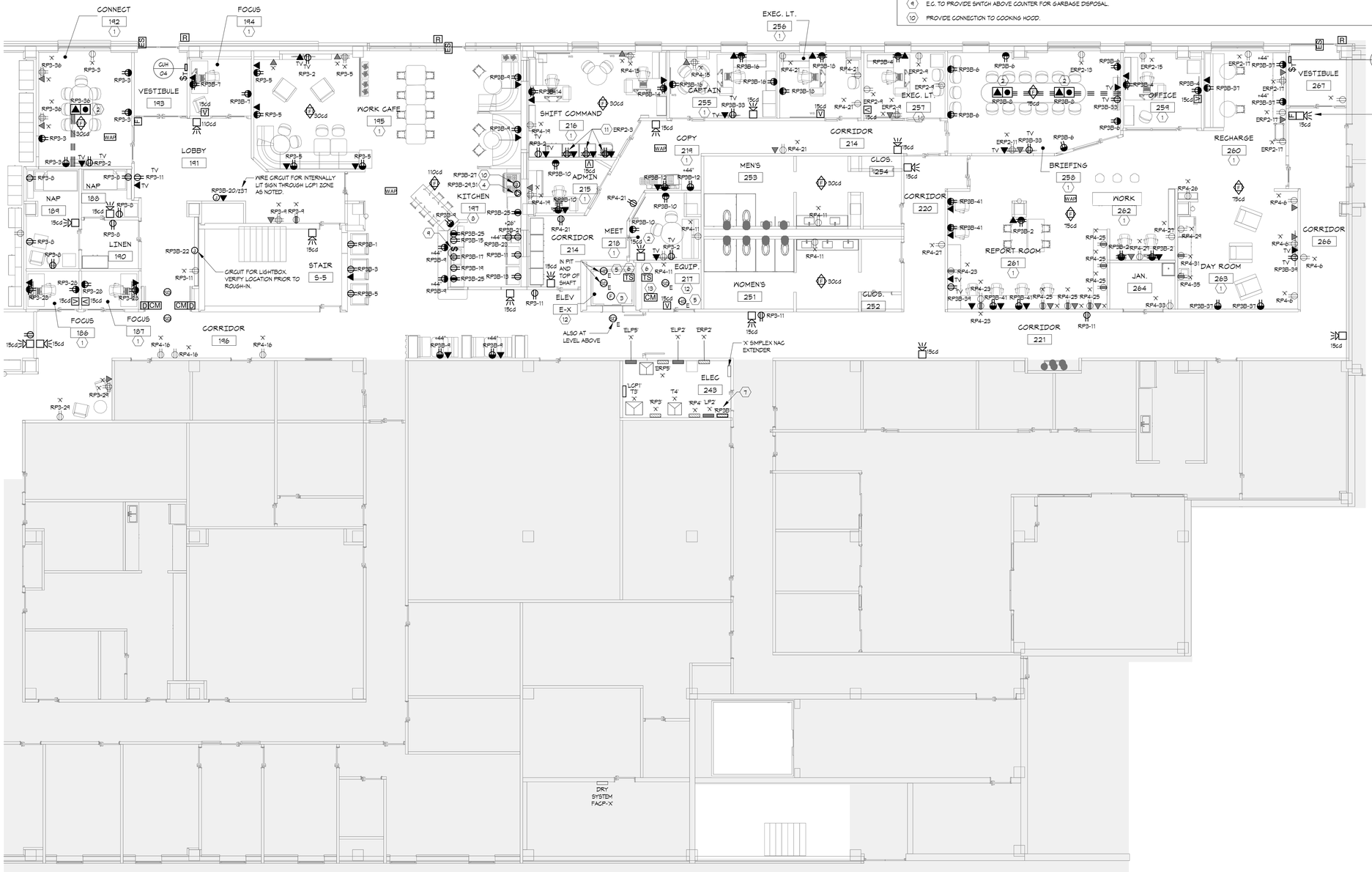
120 VOLT BRANCH CIRCUITS UP TO 14 AMPS

TOTAL WIRE LENGTH (FEET)			WIRE SIZE (AWG)
1'	-	75'	#12
76'	-	115'	#10
116'	-	195'	#8
196'	-	290'	#6

MINIMUM BRANCH CIRCUIT WIRING IS #12 AWG. CONTRACTOR SHALL INCREASE WIRE SIZE BASED ON SCHEDULE ABOVE.

CODED NOTES

1. NEW RECEPTACLES IN THIS SPACE ARE SUBJECT TO THE AUTOMATIC RECEPTACLE CONTROL REQUIREMENTS OF THE 2021 MICHIGAN COMMERCIAL ENERGY CODE OUTLINED IN SECTION C405.11. DEVICE SYMBOLS FOR "SWITCHED" RECEPTACLES SHALL BE SPLIT WIRED WITH THE TOP RECEPTACLE BEING FED BY AN UNSWITCHED HOT LEG DIRECTLY FROM THE PANEL. TOP RECEPTACLE SHALL BE FED BY A SWITCHED HOT LEG ROUTED THROUGH A LIGHTING CONTROL PANEL - REFER TO LIGHTING CONTROL SCHEDULES FOR DETAILS.
2. PROVIDE UNDER CARPET FLEX RACEWAY SYSTEM AND IN-WALL ENTRANCE END FITTING, AS REQUIRED - COORDINATE EXACT LAYOUT WITH LOCAL LEGRAND/CONNECTRAC VENDOR (WIREMOLD, OR APPROVED EQUAL), OWNER, AND FURNITURE VENDOR, PRIOR TO ORDERING.
3. PROVIDE FIRE ALARM SPEAKER ONLY - CEILING MOUNT STYLE, WHITE - IN ELEVATOR. PROVIDE TO ELEVATOR CONTRACTOR FOR INSTALLATION. PROVIDE SPEAKER CIRCUIT TO ELEVATOR EQUIPMENT ROOM AND TRAVELING CABLE AS DIRECTED BY ELEVATOR INSTALLER.
4. PROVIDE NEMA 14-50R RECEPTACLE FOR OVEN - 208V, 1PH, 175A ASSUMED. COORDINATE ELECTRICAL REQUIREMENTS WITH MANUFACTURER. PROVIDE 3 #6 + #10 GND - 1"C.
5. LOCATE HEAT DETECTOR WITH FIXED AND RATE OF RISE ELEMENT WITHIN 24" OF ALL SPRINKLER HEADS IN SHAFT/PIT/MACHINE ROOM. SEE ELEVATOR SHUT DOWN WIRING DIAGRAM. CONFIRM ALL LOCATIONS OF SPRINKLER HEADS WITH FIRE PROTECTION SHOP DRAWINGS.
6. TAMPER SWITCH IN ELEVATOR SHAFT/MACHINE ROOM AS REQUIRED.
7. RELOCATE TIME CLOCK AND CONTACTORS 'C1' AND 'C2' AS REQUIRED TO INSTALL NEW PANEL IN THIS LOCATION.
8. ALL RECEPTACLES IN THIS AREA WIRED TO GFCI CIRCUIT BREAKERS.
9. E.C. TO PROVIDE SWITCH ABOVE COUNTER FOR GARBAGE DISPOSAL.
10. PROVIDE CONNECTION TO COOKING HOOD.
11. COORDINATE EXACT QUANTITY AND LOCATION OF ALL CCTV MONITORS, PRIOR TO ROUGH-IN.
12. REPLACE ALL FIRE ALARM DEVICES FOR EXISTING ELEVATOR. CONFIRM EXACT QUANTITY OF DEVICES IN THE FIELD, PRIOR TO BIDS.
13. PROVIDE MINIMUM OF FOUR CONTROL MODULES FOR RECALL, FIREMAN'S HAT, ETC.



1 / E201 MAIN LEVEL POWER AND SYSTEMS PLAN - KDPS
1/8" = 1'-0"

KEY PLAN - KDPS
NTS

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City of Kalamazoo - Crosstown Facility
CPED & KDPS Workplace Renovation
150 E Crosstown Parkway Kalamazoo MI 49001

Seal:

BID Set 08/21/2025

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Project Number: 23-046

POWER & SYSTEMS PLAN - MAIN LEVEL KDPS

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BRANCH CIRCUITING GENERAL NOTES:

A. ON 20 AMP, 1 POLE CIRCUITS, HOMERUNS SHALL BE 2 #12 AWG + GND IN 3/4" CONDUIT MINIMUM. INCREASE WIRE SIZE PER VOLTAGE DROP TABLE.

B. ALL CIRCUITS SHALL HAVE INDIVIDUAL NEUTRAL CONDUCTORS CONTINUOUS FROM PANEL. SHARED NEUTRALS ARE NOT PERMITTED.

VOLTAGE DROP SCHEDULE

120 VOLT BRANCH CIRCUITS UP TO 10 AMPS

TOTAL WIRE LENGTH (FEET)			WIRE SIZE (AWG)
1'	-	100'	#12
101'	-	150'	#10
151'	-	240'	#8
241'	-	330'	#6

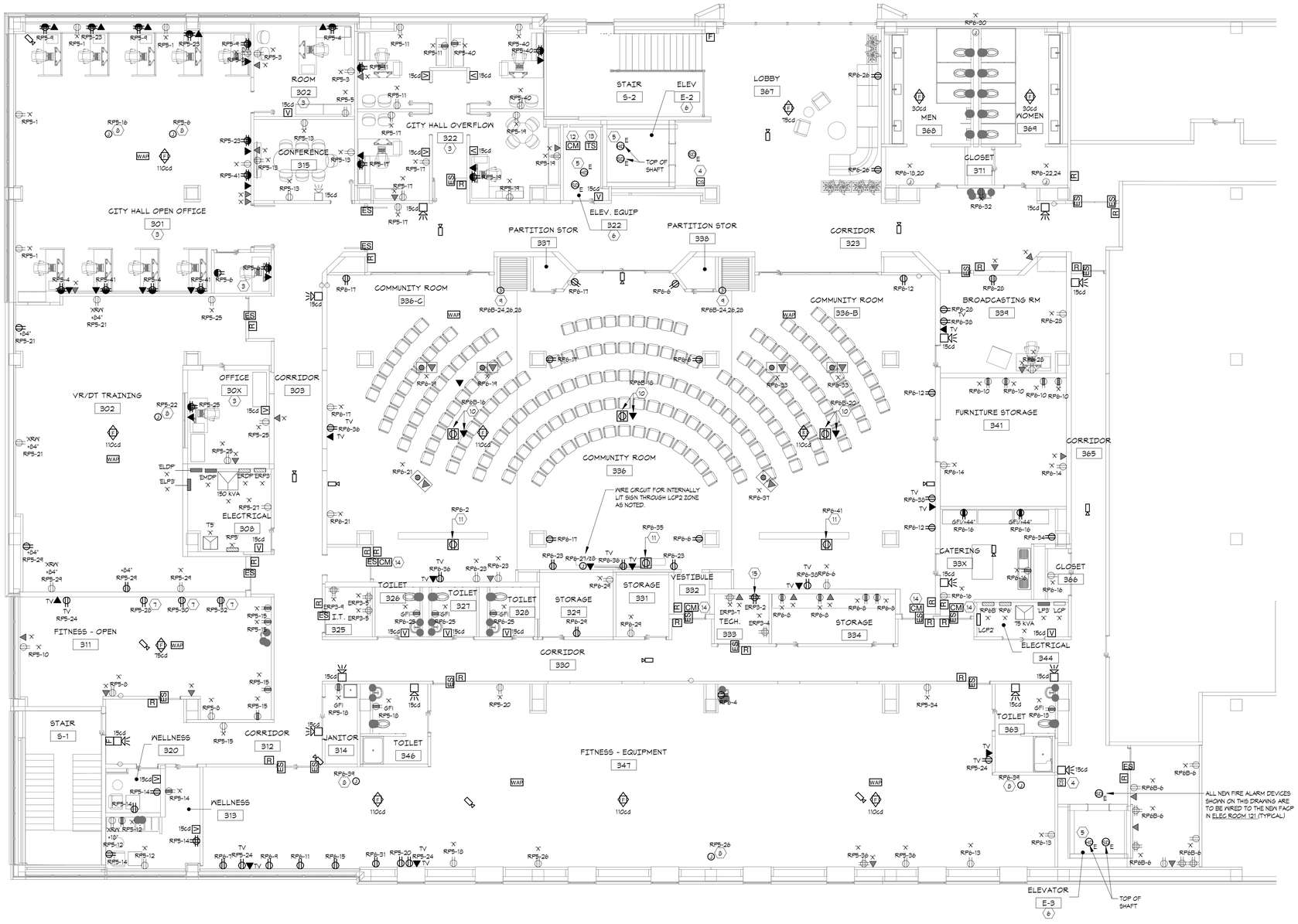
120 VOLT BRANCH CIRCUITS UP TO 14 AMPS

TOTAL WIRE LENGTH (FEET)			WIRE SIZE (AWG)
1'	-	75'	#12
76'	-	115'	#10
116'	-	195'	#8
196'	-	290'	#6

MINIMUM BRANCH CIRCUIT WIRING IS #12 AWG. CONTRACTOR SHALL INCREASE WIRE SIZE BASED ON SCHEDULE ABOVE.

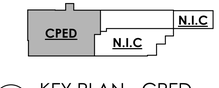
CODED NOTES

1. PROVIDE 2" SQUARE DIVIDED POWER POLE FOR POWER/DATA DROP TO SYSTEMS FURNITURE. FINISH BY ARCHITECT. CIRCUIT ARRANGEMENT TO BE COORDINATED WITH FINAL SYSTEMS FURNITURE SELECTION. EXTEND POWERPOLE UP TO STRUCTURE THROUGH ANY SUSPENDED CEILING AND SUPPORT AT STRUCTURE.
2. PROVIDE POWER AND DATA FEED FOR SYSTEMS FURNITURE. FEED TO BE FLEXIBLE WHIP OF ADEQUATE SLACK TO ALLOW ADJUSTMENTS TO FURNITURE POSITIONING. DATA CONDUIT SHALL BE 2". CIRCUIT ARRANGEMENT TO BE COORDINATED WITH FINAL SYSTEMS FURNITURE SELECTION.
3. NEW RECEPTACLES IN THIS SPACE ARE SUBJECT TO THE AUTOMATIC RECEPTACLE CONTROL REQUIREMENTS OF THE 2021 MICHIGAN COMMERCIAL ENERGY CODE OUTLINED IN SECTION C405.11. DEVICE SYMBOLS FOR "SWITCHED" RECEPTACLES SHALL BE SPLIT WIRED WITH THE TOP RECEPTACLE BEING FED BY AN UNSWITCHED HOT LEG DIRECTLY FROM THE PANEL. TOP RECEPTACLE SHALL BE FED BY A SWITCHED HOT LEG ROUTED THROUGH A LIGHTING CONTROL PANEL - REFER TO LIGHTING CONTROL SCHEDULES FOR DETAILS.
4. PROVIDE TWO-WAY COMMUNICATION EMERGENCY PHONE AT EACH ELEVATOR LANDING NOT ON AN ACCESSIBLE EXIT DISCHARGE LEVEL, AND AT DESIGNATED CENTRAL CONTROL LOCATION, AS DIRECTED BY LOCAL AHJ. BASIS OF DESIGN SHALL BE RATH COMMERCIAL ELEVATOR PHONE SERIES, OR EQUAL. CONFIRM WITH LOCAL AHJ. PROVIDE ALL COMPONENTS AND WIRING AS REQUIRED, FOR A COMPLETE OPERATING SYSTEM.
5. LOCATE HEAT DETECTOR WITH FIXED AND RATE OF RISE ELEMENT WITHIN 24" OF ALL SPRINKLER HEADS IN SHAFT/MACHINE ROOM. SEE ELEVATOR SHUT DOWN WIRING DIAGRAM. CONFIRM ALL LOCATIONS OF SPRINKLER HEADS WITH FIRE PROTECTION SHOP DRAWINGS.
6. REPLACE ALL FIRE ALARM DEVICES FOR EXISTING ELEVATOR. CONFIRM EXACT QUANTITY OF DEVICES IN THE FIELD, PRIOR TO BIDS.
7. CONFIRM EXACT LOCATION FOR SAUNA RECEPTACLE, PRIOR TO ROUGH-IN.
8. PROVIDE NEW CIRCUIT TO JBOX ABOVE CEILING - LABEL 'FUTURE'
9. OPERABLE PARTITION - E.C. TO PROVIDE CIRCUIT AS SHOWN, AND E.C. TO INSTALL AND WIRE ALL ASSOCIATED CONTROLS, FOR A COMPLETE 4 WORKING SYSTEM. CONFIRM CONTROL LOCATIONS WITH OWNER, PRIOR TO ROUGH-IN.
10. 120V AND DATA ROUGH-IN FOR PENDANT/CEILING MOUNTED PROJECTOR. CONFIRM EXACT LOCATION WITH OWNER, PRIOR TO ROUGH-IN.
11. 120V FOR MOTORIZED PENDANT/CEILING MOUNTED PROJECTION SCREEN. CONFIRM EXACT LOCATION WITH OWNER, PRIOR TO ROUGH-IN. E.C. TO INSTALL AND WIRE ALL ASSOCIATED CONTROLS, FOR A COMPLETE 4 WORKING SYSTEM. CONFIRM CONTROL LOCATIONS WITH OWNER, PRIOR TO ROUGH-IN.
12. PROVIDE MINIMUM OF FOUR CONTROL MODULES FOR RECALL, FIREMAN'S HAT, ETC.
13. TAMPER SWITCH IN ELEVATOR MACHINE ROOM AS REQUIRED.
14. PROVIDE CONTROL MODULE TO OPEN DOOR FOR EMERGENCY EGRESS DURING FIRE ALARM EVENT.
15. PROVIDE RECEPTACLE/CIRCUIT FOR NEW ACCESS CONTROL POWER SUPPLY. CONFIRM LOCATION WITH OWNER, PRIOR TO ROUGH-IN.



NOTE:
THE EXISTING SECOND FLOOR IS A STRUCTURAL 2-WAY SLAB SPANNING COLUMN LINE TO COLUMN LINE, AND PENETRATIONS AND LOADING SHALL BE LIMITED. SEE S102 FOR NOTES.

1 E202 UPPER LEVEL POWER AND SYSTEMS PLAN - CPED
1/8" = 1'-0"



KEY PLAN - CPED
NTS

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POWER & SYSTEMS PLAN - UPPER LEVEL CPED

E202

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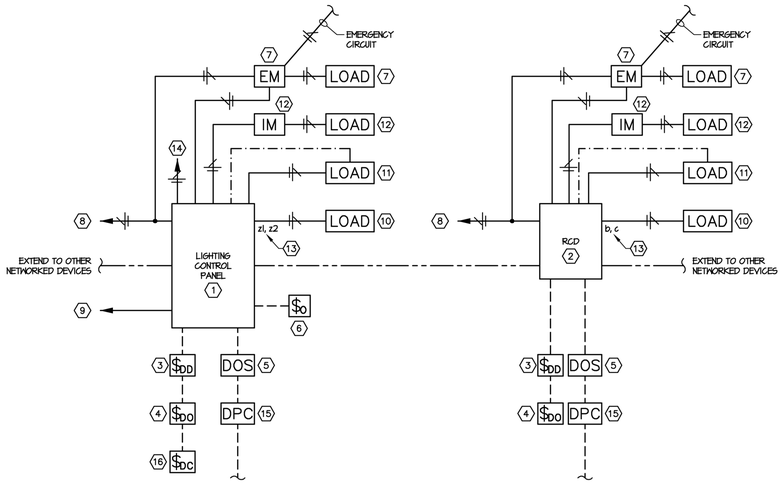


LIGHTING CONTROL SYSTEM DIAGRAM

SCALE: NO SCALE

WIRING LEGEND

- = 120V OR 277V LINE VOLTAGE WIRING
- = SYSTEM NETWORK WIRING PER MANUFACTURER'S REQUIREMENTS. (TYPICALLY CAT 5)
- = DIGITAL DEVICE WIRING PER MANUFACTURER'S REQUIREMENTS. (TYPICALLY CAT 5)
- = 0-10V CONTROL WIRING PER MANUFACTURER'S REQUIREMENTS.

GENERAL NOTES

A. CONTRACTOR IS TO PROVIDE A COMPLETE OPERATIONAL DIGITAL AND NETWORKED LIGHTING CONTROL SYSTEM THAT MEETS THE DESIGN INTENT OUTLINED ON THESE DRAWINGS.

B. THIS DIAGRAM IS GENERIC IN NATURE AND DOES NOT REPRESENT QUANTITIES OF DEVICES OR THE ACTUAL SITE SPECIFIC INTERCONNECTION OF DEVICES FOR THIS PROJECT. CONTRACTOR IS TO USE THIS DIAGRAM IN CONJUNCTION WITH THE LIGHTING CONTROL SCHEDULES AND LIGHTING FLOOR PLANS TO CREATE A MANUFACTURER SPECIFIC DESIGN THAT MEETS THE DESIGN INTENT PRESENTED ON THESE DRAWINGS.

C. PROVIDE A COMPLETE SET OF SHOP DRAWINGS INCLUDING EQUIPMENT CUT SHEETS, NETWORK TOPOLOGY DIAGRAM AND SYSTEM WIRING DIAGRAMS.

D. E.C. SHALL PROVIDE ALL LOW VOLTAGE WIRING/CABLING TYPES AS REQUIRED BY MANUFACTURER, AND PROVIDE ALL REQUIRED TERMINATIONS.

E. E.C. SHALL PROVIDE CLASS 2 0-10 VOLT CONTROL WIRING AS REQUIRED.

F. REFER TO PLANS FOR DEVICE QUANTITIES.

G. INCLUDE COMMISSIONING OF THE SYSTEM. COORDINATE SCHEDULE(S) WITH OWNER REPRESENTATIVE PRESENT.

H. DIMMING SET LEVELS SHALL BE MAINTAINED FOLLOWING ON/OFF OPERATIONS, BOTH AUTOMATIC AND MANUAL.

I. INCLUDE MINIMUM FOUR (4) HOURS OF TRAINING FOR THE LIGHTING CONTROL SYSTEM TO BE SCHEDULED WITH OWNER.

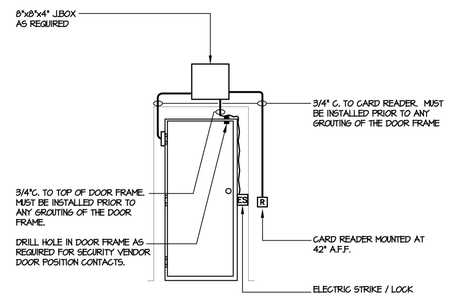
J. PROVIDE 120V CONTROL POWER TO ALL COMPONENTS OF LIGHTING CONTROL SYSTEM REQUIRING POWER.

K. INTERIOR PHOTO SENSORS SHALL BE SET TO MAINTAIN THE OWNER REQUESTED FC LEVEL HORIZONTAL AT 30" AFF. CONFIRM FC LEVEL WITH OWNER, PRIOR TO PROGRAMMING. THE PHOTO SENSORS SHALL MONITOR THE AMBIENT LIGHT IN THE CONTROLLED SPACE AND WORK WITH THE LIGHTING CONTROL PANEL TO MAINTAIN THE DESIGN LIGHT LEVEL.

L. ALL LIGHTING CONTROL PANELS AND/OR INDIVIDUAL ROOM CONTROLLERS SHALL BE NETWORKED TO FORM A SINGLE SYSTEM. PROVIDE FRONT END SOFTWARE AND/OR CONNECTION TO OWNERS BUILDING MANAGEMENT SYSTEM TO ALLOW A SINGLE LOCATION FOR CONTROLLING ALL FUNCTIONS AND PARAMETERS.

CODED NOTES

1. LIGHTING CONTROL PANEL SHALL MEET THE FOLLOWING SPECIFICATIONS:
   a. BASIS OF DESIGN IS CRESTRON GREEN LIGHT - NO EXCEPTIONS.
   b. PANEL SHALL BE PROGRAMMABLE VIA A WEB BROWSER PORTAL. NETWORK CONNECTION SHALL BE PROVIDED.
   c. LOADS SHALL BE 120 OR 277 VOLT, 1 PHASE.
   d. NEMA 1 ENCLOSURE
   e. RELAYS SHALL BE SINGLE POLE LATCHING WITH INTEGRAL OVERRIDE BUTTON. RELAYS RATED FOR 30 AMPS AT 120/277 VOLTS, 18,000 AIC. 16 AMPS FOR ELECTRONIC BALLASTS AND LED DRIVERS.
   f. DOUBLE POLE RELAYS SHALL BE 20 AMPS AT 208V, 240V AND 480V (14,000 AIC).
   g. LISTED TO UL916 AND UL924
   h. 5 YEAR LIMITED WARRANTY
   i. INCLUDE RELAY QUANTITIES AS REQUIRED TO MEET THE ZONING INDICATED ON THE CONTROL SCHEDULES. INCLUDE 10% SPARE RELAYS.
   j. PROVIDE CAPABILITY FOR DIMMING AS LISTED ON THE CONTROL SCHEDULES. PROVIDE ACCESSORY MODULES AS NECESSARY TO ACCOMMODATE DIMMING PROTOCOLS.
2. DIGITAL ROOM CONTROLLER SHALL MEET THE FOLLOWING SPECIFICATIONS:
   a. BASIS OF DESIGN IS CRESTRON GREEN LIGHT - NO EXCEPTIONS.
   b. INPUT: SINGLE FEED 120/277VAC. 20A MAX, 60 HZ
   c. OUTPUT: 20A TUNGSTEN (120V ONLY), 20A MAGNETIC BALLAST, 16A ELECTRONIC BALLAST, 1HP MOTOR AT 120V, 3/4 HP AT 277V
   d. NETWORKABLE WITH CLASS 2 CONNECTIONS, MANUFACTURER SPECIFIC PROTOCOL
   e. DIMMING OUTPUT FOR 0-10V AS REQUIRED
   f. CONFIGURABLE WITH INTERFACE MODULES FOR OTHER DIMMING PROTOCOLS INCLUDING ELV, MLV, AND FORWARD PHASE
   g. PLENUM RATED
   h. LISTED TO UL916
   i. 5 YEAR LIMITED WARRANTY
3. DIGITAL SWITCH FOR ON/OFF & DIMMING CONTROL OF ZONE QUANTITIES INDICATED ON SCHEDULES.
4. DIGITAL SWITCH FOR ON/OFF CONTROL OF ZONE QUANTITIES INDICATED ON SCHEDULES.
5. DIGITAL INFRARED CEILING VACANCY/OCCUPANCY SENSOR. PROVIDE TYPE AND QUANTITY NECESSARY TO COVER THE ASSOCIATED AREA SHOWN ON PLAN.
6. DIGITAL ON/OFF 2 BUTTON SWITCH FOR OVERRIDE CONTROL OF LIGHTING CONTROL SYSTEM. SWITCH TO BE PROGRAMMED TO OVERRIDE CURRENT ON/OFF STATUS OF ALL TRANSITIONAL ZONES INCLUDING CORRIDORS, VESTIBULES, ETC. TO ALLOW FOR NAVIGATING THE BUILDING AFTER HOURS.
7. FIXTURES THAT ARE SHADED OR MARKED 'EM' ARE TO BE FED BY A LIFE SAFETY BRANCH GENERATOR CIRCUIT. PROVIDE A UL924 LISTED TRANSFER DEVICE THAT WILL SWITCH TO GENERATOR POWER DURING A NORMAL POWER LOSS AND BRING TO FULL BRIGHTNESS. TRANSFER DEVICE SHALL BE HUBBELL #UL924EPCI-UNV FOR NON-DIMMED LOADS AND #UL924EPCID-UNV FOR DIMMED LOADS.
8. LIGHTING CIRCUIT LINE VOLTAGE HOMERUN. REFERENCE LIGHTING CONTROL SCHEDULES FOR VOLTAGE, PANEL AND CIRCUIT NUMBERS.
9. PROVIDE ETHERNET CONNECTION TO LIGHTING CONTROL PANEL FOR OFF SITE PROGRAMMING AND VISIBILITY.
10. LIGHTING OR RECEPTACLE LOAD WITH ON/OFF ONLY CONTROL PER LIGHTING CONTROL SCHEDULES.
11. LIGHTING LOAD WITH ON/OFF AND DIMMING CONTROL WITH 0-10V PROTOCOL.
12. LIGHTING LOAD WITH ON/OFF AND DIMMING CONTROL WITH OTHER PROTOCOL SUCH AS ELV, MLV OR FORWARD PHASE. PROVIDE INTERFACE MODULES AS REQUIRED TO ACCOMMODATE DIMMABLE LOAD.
13. ZONE DESIGNATIONS SHOWN ON PLAN FOR ROOM CONTROLLERS, LOADS & DIGITAL DEVICES. TO DETERMINE CONTROL SEQUENCE REQUIREMENTS, REFERENCE THE ROOM/SPACES REFERENCED ON THE APPROPRIATE LIGHTING CONTROL SCHEDULE AND THEN USE THE ZONE DESIGNATIONS TO DIFFERENTIATE ZONES WITHIN EACH ROOM/SPACE.
14. PROVIDE 120V CONTROL CIRCUIT FOR LIGHTING CONTROL PANEL.
15. DIGITAL PHOTOCELL. PROVIDE INTERIOR OR EXTERIOR PHOTOCELL DEVICE BASED ON LOCATION INDICATED ON PLANS.
16. DIGITAL TOUCHSCREEN CONTROLLER FOR ON/OFF, DIMMING CONTROL & SCENE SELECTION OF ZONE QUANTITIES INDICATED ON SCHEDULES. CONFIGURABLE FOR UP TO 16 ZONES (ON/OFF OR ON/OFF/DIMMING) / PRESET SCENES.

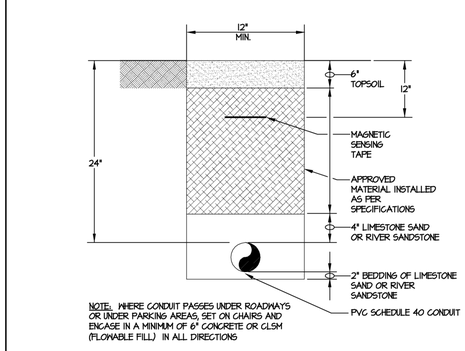


NOTES:

1. REFER TO SPECIFICATIONS FOR SURFACE MOUNTED AND FLUSH MOUNTED INSTALLATION METHODS. ALL JBOXES ARE TO BE FLUSH MOUNTED AND CONDUITS TO BE CONCEALED AT ALL NEW CONSTRUCTION. REFER TO ARCHITECTURAL FLOOR PLANS AND SCHEDULES FOR ADDITIONAL DETAILS.
2. VERIFY ALL REQUIREMENTS WITH FINAL DOOR HARDWARE SELECTION SHOP DRAWINGS.

ACCESS CONTROL ROUGH-IN DIAGRAM

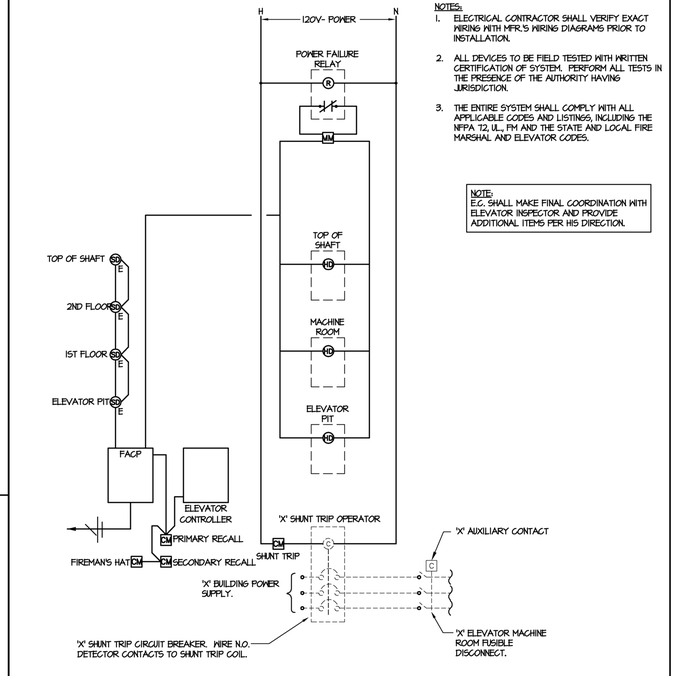
SCALE: NONE



NOTE: WHERE CONDUIT PASSES UNDER ROADWAYS OR UNDER PARKING AREAS, SET ON CHAIRS AND ENCASE IN A MINIMUM OF 6" CONCRETE OR CLSM (FLOWABLE FILL) IN ALL DIRECTIONS

TRENCH DETAIL

SCALE: NONE



NOTES:

1. ELECTRICAL CONTRACTOR SHALL VERIFY EXACT WIRING WITH MFR.'S WIRING DIAGRAMS PRIOR TO INSTALLATION.
2. ALL DEVICES TO BE FIELD TESTED WITH WRITTEN CERTIFICATION OF SYSTEM. PERFORM ALL TESTS IN THE PRESENCE OF THE AUTHORITY HAVING JURISDICTION.
3. THE ENTIRE SYSTEM SHALL COMPLY WITH ALL APPLICABLE CODES AND LISTINGS, INCLUDING THE NFPA 72, UL, FM AND THE STATE AND LOCAL FIRE MARSHAL AND ELEVATOR CODES.

NOTE:
E.C. SHALL MAKE FINAL COORDINATION WITH ELEVATOR INSPECTOR AND PROVIDE ADDITIONAL ITEMS PER HIS DIRECTION.

TYPICAL ELEVATOR RECALL CONTROL & SHUT DOWN WIRING DIAGRAM

SCALE: NONE

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ELECTRICAL DETAILS

E501

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LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	MOUNTING	VOLTS	VA	DELIVERED LUMENS	CRI	CCT	MANUFACTURER	CATALOG NUMBER	DRIVER TYPE	EQUIVALENT
A2	LED 2x2 ARCHITECTURAL TROFFER WITH CENTER BASKET AND CURVED MATTE REFLECTOR	RECESSED GRID	120/277	24 VA	3240	90	4000	LITHONIA	STAK-2X2-3000LM-90CRI-40K-COL-MIN1-ZT-MVOLT	0-10V DIMMING TO 1%	HE WILLIAMS METALUX
AA	LED 2x4 ARCHITECTURAL TROFFER WITH CENTER BASKET AND CURVED MATTE REFLECTOR	RECESSED GRID	120/277	24 VA	3269	90	4000	LITHONIA	STAK-2X4-3000LM-90CRI-40K-COL-MIN1-ZT-MVOLT	0-10V DIMMING TO 1%	HE WILLIAMS METALUX
AB	SAME AS FIXTURE TYPE 'AA' EXCEPT 4000 LUMENS	RECESSED GRID	120/277	33 VA	4255	90	4000	LITHONIA	STAK-2X4-4000LM-90CRI-40K-COL-MIN1-ZT-MVOLT	0-10V DIMMING TO 1%	HE WILLIAMS METALUX
AC	SAME AS FIXTURE TYPE 'AA' EXCEPT 5000 LUMENS	RECESSED GRID	120/277	42 VA	5428	90	4000	LITHONIA	STAK-2X4-5000LM-90CRI-40K-COL-MIN1-ZT-MVOLT	0-10V DIMMING TO 1%	HE WILLIAMS METALUX
AD	SAME AS FIXTURE TYPE 'AA' EXCEPT 6000 LUMENS	RECESSED GRID	120/277	50 VA	6225	90	4000	LITHONIA	STAK-2X4-6000LM-90CRI-40K-COL-MIN1-ZT-MVOLT	0-10V DIMMING TO 1%	HE WILLIAMS METALUX
B2A	4" APERTURE RECESSED LED LINEAR FIXTURE WITH FLUSH LENS AND WHITE FINISH, LENGTH PER PLANS. WATTS SHOWN ARE PER 1' LENGTH.	RECESSED	277	5 VA	479 PER FOOT	90	4000	FINELITE	HP-4-R-D-xx-B-940-F-96LG-277-SC-FC-1%-C2T-SW	0-10V DIMMING TO 1%	MARK ARCHITECTURAL PRECISION ARCHITECTURAL LIGHTING
B2B	SAME AS FIXTURE TYPE 'B2A' EXCEPT HIGH OUTPUT	RECESSED	277	7 VA	725 PER FOOT	90	4000	FINELITE	HP-4-R-D-xx-B-940-F-96LG-277-SC-FC-1%-C2T-SW	0-10V DIMMING TO 1%	MARK ARCHITECTURAL PRECISION ARCHITECTURAL LIGHTING
BA	4" APERTURE SUSPENDED LED DIRECT/INDIRECT LINEAR FIXTURE WITH FLUSH LENS AND WHITE FINISH, LENGTH PER PLANS. WATTS SHOWN ARE PER 1' LENGTH.	PENDANT 9'-0" AFF	277	8 VA	428 PER FOOT UP 477 PER FOOT DOWN	90	4000	FINELITE	HP-4-P-ID-xx-S-B-940-F-F-96LG-277-SC-FC-1%-C2T-FE-SW	0-10V DIMMING TO 1%	MARK ARCHITECTURAL PRECISION ARCHITECTURAL LIGHTING
BB	SAME AS FIXTURE TYPE 'BA' EXCEPT HIGH DOWNLIGHT OUTPUT	PENDANT 9'-0" AFF	277	11 VA	428 PER FOOT UP 721 PER FOOT DOWN	90	4000	FINELITE	HP-4-P-ID-xx-S-H-940-F-F-96LG-277-SC-FC-1%-C2T-FE-SW	0-10V DIMMING TO 1%	MARK ARCHITECTURAL PRECISION ARCHITECTURAL LIGHTING
C2A	4" SQUARE FLANGELESS RECESSED LED DOWNLIGHT WITH CLEAR METALIZED TRIM, MATTE DIFFUSE FINISH AND MEDIUM DISTRIBUTION	RECESSED	120/277	7 VA	773	90	4000	GOTHAM	IVO4SQ-D-07LM-40K-90CRI-MD-MIN1-MVOLT-ZT-NCH-AR-LD-FL	0-10V DIMMING TO 1%	HE WILLIAMS PORTFOLIO
C2B	SAME AS FIXTURE TYPE 'C2A' EXCEPT 1500 LUMENS	RECESSED	120/277	15 VA	1562	90	4000	GOTHAM	IVO4SQ-D-15LM-40K-90CRI-MD-MIN1-MVOLT-ZT-NCH-AR-LD-FL	0-10V DIMMING TO 1%	HE WILLIAMS PORTFOLIO
C2C	SAME AS FIXTURE TYPE 'C2A' EXCEPT 2500 LUMENS	RECESSED	120/277	27 VA	2571	90	4000	GOTHAM	IVO4SQ-D-25LM-40K-90CRI-MD-MIN1-MVOLT-ZT-NCH-AR-LD-FL	0-10V DIMMING TO 1%	HE WILLIAMS PORTFOLIO
CA	4" RECESSED LED DOWNLIGHT WITH CLEAR ANODIZED TRIM, MATTE DIFFUSE FINISH AND MEDIUM DISTRIBUTION	RECESSED	120/277	7 VA	735	90	4000	GOTHAM	IVO4-D-07LM-40K-90CRI-MD-MIN1-MVOLT-ZT-NCH-P-AR-LD-F	0-10V DIMMING TO 1%	HE WILLIAMS PORTFOLIO
CB	SAME AS FIXTURE TYPE 'CA' EXCEPT 1500 LUMENS	RECESSED	120/277	15 VA	1486	90	4000	GOTHAM	IVO4-D-15LM-40K-90CRI-MD-MIN1-MVOLT-ZT-NCH-P-AR-LD-F	0-10V DIMMING TO 1%	HE WILLIAMS PORTFOLIO
CC	SAME AS FIXTURE TYPE 'CA' EXCEPT 2500 LUMENS	RECESSED	120/277	27 VA	2447	90	4000	GOTHAM	IVO4-D-25LM-40K-90CRI-MD-MIN1-MVOLT-ZT-NCH-P-AR-LD-F	0-10V DIMMING TO 1%	HE WILLIAMS PORTFOLIO
CW	4" RECESSED LED DOWNLIGHT WITH CLEAR ANODIZED TRIM, MATTE DIFFUSE FINISH, MEDIUM DISTRIBUTION AND WET LOCATION LISTED	RECESSED	120/277	10 VA	991	90	4000	GOTHAM	IVO4-D-10LM-40K-90CRI-MD-MIN1-MVOLT-ZT-NCH-WL-P-AR-LD-F	0-10V DIMMING TO 1%	HE WILLIAMS PORTFOLIO
D	36" DIAMETER LED SURFACE MOUNTED FIXTURE WITH MATTE WHITE FINISH	SURFACE	120/277	85 VA	7905	90	4000	OCL ARCHITECTURAL LIGHTING	GL2-C1NA-36-MW-MWP-LED2/940K-UNV-DM1	0-10V DIMMING TO 1%	NONE
D2	DECORATIVE LED PENDANT FIXTURE WITH NATURAL WOOD VENNER FINISH	PENDANT	120/277	42 VA	3300	90	3000	ACCORD LIGHTING	FRAME ACCORD CEILING MOUNT #SQB4LED	0-10V DIMMING	NONE
D3	DECORATIVE LED PENDANT FIXTURE WITH BLACK FINISH	PENDANT	120/277	200 VA	-	90	RGBW & 3500	DELRAY	UDC5-K-RGBW-SR-DMX	DMX	NONE
E	DECORATIVE LED CYLINDER WITH FINISH AS SELECTED BY ARCHITECT	PENDANT	277	56 VA	2085	90	4000	TMS LIGHTING	3830TE-56LED-DLED-xC-40K-277-Fxx-DIML	0-10V DIMMING	NONE
F	SURFACE MOUNTED LED FIXTURE WITH WHITE FINISH	SURFACE	120/277	17 VA	2000	90	3000	BOCK LIGHTING	PIANETA-S-WH-10-EG1/LVGV1-2000-30K	0-10V DIMMING	NONE
H	DECORATIVE LED PENDANT WITH BRONZE FINISH	PENDANT	120/277	8 VA	866	90	3000	ZANEEN LIGHTING	OSCURA MAX #0141225-3000-BRZ W/ 0-10V DIMMING	0-10V DIMMING	NONE
J	VANITY WALL MOUNT LED FIXTURE WITH BRUSHED NICKEL FINISH	WALL	120/277	18 VA	1304	90	3000	LITHONIA	FMVCSL-24IN-MVOLT-30K-90CRI-BN	NON-DIMMING	NONE
K	4' LED NARROW STRIP FIXTURE WITH ROUND ACRYLIC LENS	CABLE	120/277	33 VA	4867	80	4000	HE WILLIAMS	7SR-4-L50/840-DRV-UNV	NON-DIMMING	LITHONIA METALUX
L	DECORATIVE LED PENDANT FIXTURE WITH BLACK FINISH	PENDANT	120/277	70 VA	10733	80	4000	LSI INDUSTRIES	OPS-PD-10L-SQ-UNV-40K8-BLK-EXT	0-10V DIMMING	NONE
M	LUMINOUS 190 SQ.IN. (1.32 SQ.FT.) STANDARD-OUTPUT LED PANEL WITH QUANITY OF 120/277V:24V 0-10V DIMMABLE POWER SUPPLIES AS REQUIRED	RECESSED	120/277	8 VA	575 PER SQ.FT.	90	4100	OMNI LIGHT	QBE-41-SO-19x10 (PANEL) APO-xx-E-24 (POWER SUPPLY)	0-10V DIMMING	NONE
P	6" APERTURE RECESSED LED LINEAR FIXTURE WITH FLUSH LENS, BRONZE FINISH, AND WET LOCATION LISTED, LENGTH PER PLANS. WATTS SHOWN ARE PER 1' LENGTH.	RECESSED	120/277	9 VA	832 PER FOOT	80	4000	PINNACLE LIGHTING	WET-840HO-xx-xxx-FL(F)-U-FSD-1-BR	0-10V DIMMING TO 1%	MARK ARCHITECTURAL PRECISION ARCHITECTURAL LIGHTING
Q	INDUSTRIAL 68" CEILING FAN WITH WALL MOUNTED CONTROL AND MATTE BLACK FINISH	PENDANT	120	90 VA	-	-	-	RP LIGHTING	Arctic II #1086W-MBK-MBK-WC	-	NONE
R	LED WALL SCONCE WITH VINTAGE BRASS & COGNAC LEATHER FINISH	WALL	120	16 VA	380	90	2700	ALORA LIGHTING	VALISE #WV307919VBCL	DIMMABLE	NONE
SA	14' LED SITE LIGHT ALUMINUM COLUMN WITH BLACK FINISH - IP66 RATED	POST	120/277	65 VA	3810	-	4000	BULLARD BOLLARDS	BB-C221-BL-8H7-BW2-SH7-AL-K40-BL-TB D-BW-NON-LSC65-ITF	NON-DIMMING	CYCLONE LIGHTING
SB	LED SITE LIGHTING LANDSCAPE MEDIUM FLOOD LIGHT WITH FINISH AS SELECTED BY ARCHITECT - WET LOCATION LISTED	GROUND	120/277	19 VA	1188	80	4000	VISTA PRO	1043Y-xx-MF-40-F-MV-ND	NON-DIMMING	NONE
SC	DECORATIVE LED EXTERIOR WALL SCONCE WITH SATIN BLACK FINISH - IP66 RATED	WALL	277	10 VA	450 PER FOOT	-	4000	LUMCA	LU-WPS-A-00-B-40-C-00-277-BK	0-10V DIMMING	NONE
SD	EXTERIOR LED WALLPACK WITH CLEAR TEMPERED GLASS LENS, PHOTOCELL & STANDARD FINISH AS SELECTED BY ARCHITECT - IP65 RATED	WALL	277	16 VA	1921	80	4000	HE WILLIAMS	VWMH-L17/840-TL-xxx-CGL-PC-DIM-277	0-10V DIMMING	LITHONIA METALUX
T	DECORATIVE LED PENDANT FIXTURE WITH CAVA FINISH	PENDANT	120/277	18 VA	1885	90	4000	CERNO GROUP	Volo 18 pendant part # 06-360-C-40-P1	0-10V DIMMING	NONE
U	DECORATIVE INCANDESCENT (40W MAX) WALL SCONCE WITH LED REPLACEMENT LAMP	WALL	120	5 VA	450	92	3500	BIRCHLANE	DRAKE WALL SCONCE #B000582092 LAMP: SATCO S12468, A19 LED FILAMENT DIMMABLE, E26 BASE, 5W	DIMMABLE	NONE
V	DECORATIVE LED PENDANT FIXTURE WITH RUBY RED FINISH	PENDANT	120/277	39 VA	4567	90	4000	SPECTRUM LIGHTING	WS3617GV-5SL-40HK-DO10X-xxx-FCI-RD	0-10V DIMMING TO 1%	NONE
W	DECORATIVE LED PENDANT FIXTURE WITH FINISH AS SELECTED BY ARCHITECT	PENDANT 8'-6" AFF	120	158 VA	5065	90	3000	KUZCO	VEGA PENDANT #MP10305-xx	ELV DIMMING	NONE
X1	THERMOPLASTIC LED SINGLE FACE EXIT SIGN WITH RED LETTERS AND WHITE HOUSING	UNIVERSAL	120/277	2 VA	-	-	-	LITHONIA	LQM-S-W-3-R-120/277	-	HE WILLIAMS SURE-LITES
X2	THERMOPLASTIC LED DOUBLE FACE EXIT SIGN WITH RED LETTERS AND WHITE HOUSING	UNIVERSAL	120/277	2 VA	-	-	-	LITHONIA	LQM-S-W-3-R-120/277	-	HE WILLIAMS SURE-LITES
Y	LED CYLINDER TRACK HEAD WITH DISTRIBUTION AND FINISH AS SELECTED BY ARCHITECT - PROVIDE LENGTH OF 120/277V 0-10V DIMMABLE TRACK AS SHOWN ON ARCHITECTURAL PLANS	TRACK	120/277	30 VA	2000	90	4000	ELITE- FUSION LIGHTING	FG-T4-3-xx-40K-90-xx-xx (TRACK HEAD) FG-CM/SM-xx (TRACK)	0-10V DIMMING TO 1%	NONE
Z	2" RECESSED LED ADJUSTABLE DOWNLIGHT WITH WHITE TRIM AND FLANGE	RECESSED	120/277	15 VA	1146	90	3500	CREATIVE SYSTEMS LIGHTING	GSD-2-3590-R-WT-WT-30	0-10V DIMMING	NONE

LIGHTING FIXTURE SCHEDULE NOTES

1. CONFIRM ALL FIXTURE VOLTAGES WITH CIRCUITING ON PLAN.
2. MANUFACTURER TO VERIFY FIXTURE CATALOG NUMBER WITH THE DESCRIPTION OF THE FIXTURE AND CIRCUITING ON THE PLANS.
3. ALL EXIT SIGNS TO HAVE RED LETTERS WITH 6" X 3/4" LETTERS AND BE WIRED TO THE LIFE SAFETY BRANCH OF THE EMERGENCY SYSTEM.
4. ALL RECESSED DOWN LIGHTS ARE TO HAVE INTEGRAL THERMAL PROTECTION.
5. ALL ACRYLIC LENSES ARE TO BE .125" THICK MINIMUM.
6. REFER TO ARCHITECTURAL ELEVATIONS FOR CONFIRMATION OF MOUNTING HEIGHTS OF ALL LIGHT FIXTURES.
7. CONTRACTOR SHALL PROVIDE ALL REQUIRED MOUNTING HARDWARE. ALL MOUNTING HARDWARE TO BE PAINTED TO MATCH CEILING OR WALL AS DIRECTED.
8. ALL LUMINARE TRIM COLORS SHALL BE SUBMITTED TO ARCHITECT FOR APPROVAL. DO NOT ORDER FIXTURES WITHOUT APPROVED COLORS.
9. ALL MOUNTING HEIGHTS OF LIGHT FIXTURES INDICATED ARE TO BE MEASURED FROM THE BOTTOM OF THE LIGHT FIXTURE TO THE FINISHED FLOOR UNLESS NOTED OTHERWISE.
10. CONTRACTOR SHALL CONFIRM COMPATIBILITY OF ALL LED REPLACEMENT LAMPS WITH SPECIFIED LIGHTING CONTROLS, PRIOR TO ORDERING.
11. CONTRACTOR SHALL CONFIRM ALL STEM LENGTHS AND SPECIAL MOUNTING DETAILS WITH ARCHITECT.

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CPED & KDPS Workplace Renovation
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Seal:

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Autodesk Docs

LIGHTING CONTROL PANEL 'LCP1'

ROOM NAME	CIRCUIT	ZONE	LOCAL MANUAL ON/OFF CONTROL	LOCAL DIMMING CONTROL	RECEPTACLE CONTROL	DAYLIGHTING (INTERIOR PHOTOCELL)	TIMECLOCK	OCC SENSOR PARTIAL OFF (AFTER 30 MINS)	VACANCY DETECTION (MANUAL ON)	EXTERIOR PHOTO SENSOR CONTROL	EMERGENCY LIGHTING CONTROL	LIGHT FIXTURE DIMMING TYPE
ADMIN 215 / MEET 218	RP3B-10	z1			X		X					NONE
BLDG TRADES OFFICE 149	RP2-35	z1			X		X					NONE
BREAK 126	RP1-28	z1			X		X					NONE
BRIEFING 258	RP3B-6	z1			X		X					NONE
BUILDING TRADES 162	RP1B-1	z1			X		X					NONE
BUILDING TRADES 162	RP1B-3	z1			X		X					NONE
BUILDING TRADES 162	RP1B-5	z1			X		X					NONE
BUILDING TRADES 162	RP1B-7	z1			X		X					NONE
BUILDING TRADES 162	RP1B-9	z1			X		X					NONE
BUILDING TRADES 162	RP1B-11	z1			X		X					NONE
BUILDING TRADES 162	RP1B-13	z1			X		X					NONE
CAPTAIN 255	RP3B-16	z1			X		X					NONE
CD MANAGER 113	RP1B-4	z1			X		X					NONE
CLERK / CASHIER 146	RP2-22	z1			X		X					NONE
CLERK / CASHIER 146	RP2-24	z1			X		X					NONE
CODE COMPLIANCE 163	RP1B-15	z1			X		X					NONE
CODE COMPLIANCE 163	RP1B-17	z1			X		X					NONE
CODE COMPLIANCE 163	RP1B-19	z1			X		X					NONE
CODE COMPLIANCE 163	RP1B-21	z1			X		X					NONE
CODE COMPLIANCE 163	RP1B-23	z1			X		X					NONE
CODE COMPLIANCE 163	RP1B-25	z1			X		X					NONE
CODE COMPLIANCE OFFICE 150	RP2-37	z1			X		X					NONE
COMM DEV 114	RP1B-2	z1			X		X					NONE
CONNECT 137	RP1B-10	z1			X		X					NONE
CONNECT 169	RP2B-14	z1			X		X					NONE
CONNECT 182	RP2-6	z1			X		X					NONE
CONNECT 182	RP2-8	z1			X		X					NONE
CONNECT 192	RP3-3	z1			X		X					NONE
COPY 219	RP3B-12	z1			X		X					NONE
COPY-PRINT 115	RP1B-8	z1			X		X					NONE
ECON DEC 103	RP2-39	z1			X		X					NONE
ECON DEC 103	RP2-41	z1			X		X					NONE
EXEC LT 256	RP3B-18	z1			X		X					NONE
FINANCE/ADMIN 140	RP1B-20	z1			X		X					NONE
FIRE 163 / 167	RP2B-7	z1			X		X					NONE
FIRE MARSHALL 151	RP2-10	z1			X		X					NONE
FIRE MARSHALL 167 / COURT OFFICER 183	RP2B-9	z1			X		X					NONE
FLEET MANAGER 184	RP3-13	z1			X		X					NONE
FOCUS 101/ED MANAGER 108	RP2-17	z1			X		X					NONE
FOCUS 128	RP1-25	z1			X		X					NONE
FOCUS 141/142	RP1B-22	z1			X		X					NONE
FOCUS 186 / 187	RP3-28	z1			X		X					NONE
FOCUS 194	RP3B-7	z1			X		X					NONE
HELP DESK 145	RP2-26	z1			X		X					NONE
HELP DESK 145	RP2B-2	z1			X		X					NONE
HOTELING 116	RP1-17	z1			X		X					NONE
HUDDLE 107/FOCUS 110	RP2-21	z1			X		X					NONE
HUDDLE 117	RP1-2	z1			X		X					NONE
IT HUDDLE 153	RP1B-41	z1			X		X					NONE
IT OFFICE 157	ERP1-14	z1			X		X					NONE
LARGE CONNECT 106	RP2-31	z1			X		X					NONE
LARGE CONNECT 106	RP2-33	z1			X		X					NONE
OFFICE 135/136	RP1B-6	z1			X		X					NONE
OFFICE 257 / 259	RP3B-4	z1			X		X					NONE
PLAN OFFICE 131	RP1-13	z1			X		X					NONE
PLAN OFFICE 132	RP1-15	z1			X		X					NONE
PLAN OFFICE 133	RP1-29	z1			X		X					NONE
PLAN OFFICE 134	RP1-11	z1			X		X					NONE
PLANNING 129	RP1-19	z1			X		X					NONE
PLANNING 129	RP1-21	z1			X		X					NONE
PLANNING 129	RP1-23	z1			X		X					NONE
RECHARGE 260 / DAY ROOM 263	RP3B-37	z1			X		X					NONE
REPORT ROOM 261	RP3B-41	z1			X		X					NONE
REPORT ROOM 261 / WORK ROOM 262	RP3B-2	z1			X		X					NONE
SERVICE COURT 148	RP1B-16	z1			X		X					NONE
SERVICE COURT 148	RP1B-18	z1			X		X					NONE
SERVICE DESK 153	RP1B-27	z1			X		X					NONE
SERVICE DESK 153	RP1B-29	z1			X		X					NONE
SERVICE DESK 153	RP1B-31	z1			X		X					NONE
SERVICE DESK 153	RP1B-33	z1			X		X					NONE
SERVICE DESK 153	RP1B-35	z1			X		X					NONE
SERVICE DESK 153	RP1B-37	z1			X		X					NONE
SERVICE DESK 153	RP1B-39	z1			X		X					NONE
SERVICE DESKS 176/178	RP2B-11	z1			X		X					NONE
SERVICE DESKS 176/178	RP2B-13	z1			X		X					NONE
SERVICE DESKS 176/178	RP2B-15	z1			X		X					NONE
SERVICE DESKS 176/178	RP2B-17	z1			X		X					NONE
SERVICE DESKS 176/178	RP2B-21	z1			X		X					NONE
SERVICE DESKS 176/178	RP2B-23	z1			X		X					NONE
SHIFT COMMAND 216	RP3B-14	z1			X		X					NONE
TOWN SQUARE 127	RP1-31	z1			X		X					NONE
TOWN SQUARE 127	RP1-35	z1			X		X					NONE
WORK CAFE 195	RP3-5	z1			X		X					NONE
WORK CAFE 195	RP3B-9	z1			X		X					NONE
COMM DEV 114 / HOTELING 116	LP1-3	z2	X	X		X	X	X	X			0-10
PLANNING 129	ELP1-3	z3	X	X			X	X	X		X	0-10
PLANNING 129	LP1-3	z3	X	X			X	X	X			0-10
MAIN STREET 139	LP1-5	z4	X	X			X					0-10
ECON DEC 103	ELP1-3	z5	X	X			X	X	X		X	0-10
ECON DEC 103	LP1-5	z5	X	X			X	X	X			0-10
CENTRAL PARK 138	LP1-5	z6	X	X			X					0-10
TOWN SQUARE 127	ELP1-3	z7	X	X			X	X	X		X	0-10
TOWN SQUARE 127	LP1-1	z7	X	X			X	X	X			0-10
TOWN SQUARE 127	LP1-1	z8	X	X			X	X	X			VERIFY
TOWN SQUARE 127	ELP1-3	z9	X	X			X	X	X		X	0-10
TOWN SQUARE 127	LP1-1	z9	X	X			X	X	X			0-10
COPY-PRINT 115	LP1-3	z10	X	X			X	X	X			0-10
CORRIDOR 111	LP1-3	z10	X	X			X	X	X			0-10
CORRIDOR 118	LP1-3	z10	X	X			X	X	X			0-10
WORK CAFE 195	RP3B-24	z11	X	X			X	X	X			VERIFY
WORK CAFE 195	ELP2-1	z12	X	X		X	X	X	X		X	0-10
WORK CAFE 195	LP2-13	z12	X	X		X	X	X	X			0-10
WORK CAFE 195	LP2-13	z13	X	X		X	X	X	X			0-10
WORK CAFE 195	ELP2-1	z14	X	X			X	X	X		X	0-10

LIGHTING CONTROL PANEL 'LCP1'

ROOM NAME	CIRCUIT	ZONE	LOCAL MANUAL ON/OFF CONTROL	LOCAL DIMMING CONTROL	RECEPTACLE CONTROL	DAYLIGHTING (INTERIOR PHOTOCELL)	TIMECLOCK	OCC SENSOR PARTIAL OFF (AFTER 30 MINS)	VACANCY DETECTION (MANUAL ON)	EXTERIOR PHOTO SENSOR CONTROL	EMERGENCY LIGHTING CONTROL	LIGHT FIXTURE DIMMING TYPE
WORK CAFE 195	LP2-13	z14	X	X			X	X	X			0-10
WORK CAFE 195	LP2-13	z15	X	X			X	X	X			0-10
CORRIDOR 152	LP1-1	z16	X	X			X	X	X			0-10
SERVICE COURT 148	LP1-1	z16	X	X			X	X	X			0-10
HELP DESK 145	ELP1-3	z17	X	X			X	X	X		X	0-10
HELP DESK 145	LP1-1	z17	X	X			X	X	X			0-10
BUILDING/TRADES 144	ELP1-3	z18	X	X			X	X	X		X	0-10
BUILDING/TRADES 144	LP1-1	z18	X	X			X	X	X			0-10
BUILDING TRADES 162	ELP1-3	z19	X	X			X	X	X		X	0-10
BUILDING TRADES 162	LP1-1	z19	X	X			X	X	X			0-10
HOTELING 164	ELP1-3	z20	X	X			X	X	X		X	0-10
HOTELING 164	LP1-1	z20	X	X			X	X	X			0-10
CODE COMPLIANCE 163	ELP1-3	z21	X	X			X	X	X		X	0-10
CODE COMPLIANCE 163	LP1-1	z21	X	X			X	X	X			0-10
IT 156	ELP1-3	z22	X	X			X	X	X		X	0-10
IT 156	LP1-1	z22	X	X			X	X	X			0-10
SERVICE DESK 153	ELP1-3	z22	X	X			X	X	X		X	0-10
SERVICE DESK 153	LP1-1	z22	X	X			X	X	X			0-10
FIRE PREVENTION 163	ELP1-3	z23	X	X			X	X	X		X	0-10
FIRE PREVENTION 163	LP1-1	z23	X	X			X	X	X			0-10
CORRIDOR 181	LP1-7	z24	X	X			X					0-10
LOBBY 180	ELP1-3	z25	X	X			X				X	0-10
LOBBY 180	LP1-7	z25	X	X			X					0-10
LOBBY 180	ELP1-3	z26	X	X			X				X	0-10
LOBBY 180	LP1-7	z26	X	X			X					0-10
CORRIDOR 181	LP1-7	z27	X	X			X					0-10
LOBBY 180	ELP1-1	z28	X	X		<varies>					X	0-10
LOBBY 180	LP1-7	z28	X	X		<varies>	X					0-10
LOBBY 180 - SIGN	RP2-12	z28					X					NONE
LOBBY 180	ELP1-1	z29	X	X							X	0-10
EXTERIOR	ELP2-2	z30					X			X	X	<varies>
EXTERIOR	LP2-24	z30					X			X		NONE
EXTERIOR SIGN	RP2-14	z30					X			X		NONE
MAIN STREET 139	RP1B-26	z31	X	X			X					VERIFY
LOBBY 180	LP1-7	z32	X	X			X					0-10
LOBBY 180	ELP3-3	z33	X	X		X	X				X	0-10
LOBBY 180	LP1-7	z33	X	X		X	X					0-10
SERVICE DESKS 176/178	ELP1-3	z34	X	X			X	X	X		X	0-10
SERVICE DESKS 176/178	LP1-7	z34	X	X			X	X	X			0-10
DAY ROOM 263	ELP2-9	z35	X	X			X	X	X		X	0-10
DAY ROOM 263	LP2-13	z35	X	X			X	X	X			0-10
RECHARGE 260	ELP2-9	z36	X	X			X	X	X		X	0-10
RECHARGE 260	LP2-13	z36	X	X			X	X	X			0-10
REPORT ROOM 261	ELP2-9	z36	X	X			X	X	X		X	0-10
REPORT ROOM 261	LP2-13	z36	X	X			X	X	X			0-10
WORK 262	LP2-13	z36	X	X			X	X	X		X	0-10
LOBBY 191	LP2-13	z37	X	X			X					0-10
LOBBY 191 - SIGN	RP3B-20	z37					X					NONE
LOBBY 191	LP2-13	z38	X	X			X					DMX
WORK CAFE 195	RP3B-24	z39	X	X			X	X	X			VERIFY
WORK CAFE 195	LP2-13	z40	X	X			X	X	X			0-10
KITCHEN 197	ELP2-9	z41	X	X			X	X	X		X	0-10
KITCHEN 197	LP2-13	z41	X	X			X	X	X			0-10

LIGHTING CONTROL NOTES:

A. REFERENCE THE LIGHTING CONTROL DIAGRAM FOR SYSTEM REQUIREMENTS.

B. DIMMING PROTOCOL ABBREVIATIONS:

NONE = SWITCH ONLY
0-10 = 0 - 10 VDC
MLV = MAGNETIC LOW VOLTAGE
ELV = ELECTRONIC LOW VOLTAGE
TRIAC = LEADING-EDGE
VERIFY = VERIFY WITH LED REPLACEMENT LAMP MANUFACTURER

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Seal:

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Project Number: 23-046

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LIGHTING CONTROL PANEL 'LCP2'

ROOM NAME	CIRCUIT	ZONE	LOCAL MANUAL ON/OFF CONTROL	LOCAL DIMMING CONTROL	RECEPTACLE CONTROL	DAYLIGHTING (INTERIOR PHOTOCELL)	TIMECLOCK	OCC SENSOR PARTIAL OFF (AFTER 30 MINS)	VACANCY DETECTION (MANUAL ON)	EXTERIOR PHOTO SENSOR CONTROL	EMERGENCY LIGHTING CONTROL	LIGHT FIXTURE DIMMING TYPE
CITY HALL OPEN OFFICE 301	RP5-4	z1			X		X					NONE
CITY HALL OPEN OFFICE 301	RP5-6	z1			X		X					NONE
CITY HALL OPEN OFFICE 301	RP5-9	z1			X		X					NONE
CITY HALL OPEN OFFICE 301	RP5-16	z1			X		X					NONE
CITY HALL OPEN OFFICE 301	RP5-23	z1			X		X					NONE
CITY HALL OPEN OFFICE 301	RP5-41	z1			X		X					NONE
CITY HALL OVERFLOW 322	RP5-11	z1			X		X					NONE
CITY HALL OVERFLOW 322	RP5-17	z1			X		X					NONE
CITY HALL OVERFLOW 322	RP5-19	z1			X		X					NONE
CITY HALL OVERFLOW 322	RP5-40	z1			X		X					NONE
OFFICE 30X	RP5-25	z1			X		X					NONE
FITNESS - EQUIPMENT 347	ELP3-5	z2	X	X		X	X	X	X		X	0-10
FITNESS - EQUIPMENT 347	LP3-1	z2	X	X		X	X	X	X			0-10
FITNESS - EQUIPMENT 347	ELP3-5	z3	X	X			X	X	X		X	0-10
FITNESS - EQUIPMENT 347	LP3-1	z3	X	X			X	X	X			0-10
FITNESS - OPEN 311	ELP3-5	z4	X	X			X	X	X		X	0-10
FITNESS - OPEN 311	LP3-1	z4	X	X			X	X	X			0-10
DT TRAINING 302	ELP3-5	z5	X	X			X	X	X		X	0-10
DT TRAINING 302	LP3-1	z5	X	X			X	X	X			0-10
LOBBY 367	LP3-23	z6	X	X			X					0-10
LOBBY 367	ELP3-1	z7	X	X							X	0-10
LOBBY 367	LP3-23	z7	X	X			X					0-10
COMMUNITY ROOM 336 - SIGN	RP6-27	z8	X				X					NONE
COMMUNITY ROOM 336-C	ELP3-3	z9	X	X			X	X	X		X	0-10
COMMUNITY ROOM 336-C	LP3-15	z9	X	X			X	X	X			0-10
COMMUNITY ROOM 336	ELP3-3	z10	X	X			X	X	X		X	0-10
COMMUNITY ROOM 336	LP3-15	z10	X	X			X	X	X			0-10
COMMUNITY ROOM 336-B	ELP3-3	z11	X	X			X	X	X		X	0-10
COMMUNITY ROOM 336-B	LP3-15	z11	X	X			X	X	X			0-10
COMMUNITY ROOM 336-C	ELP3-3	z12	X	X			X	X	X		X	0-10
COMMUNITY ROOM 336	ELP3-3	z13	X	X			X	X	X		X	0-10
COMMUNITY ROOM 336	LP3-15	z13	X	X			X	X	X			0-10
COMMUNITY ROOM 336-B	ELP3-3	z14	X	X			X	X	X		X	0-10
COMMUNITY ROOM 336	LP3-15	z15	X	X			X	X	X			0-10
CITY HALL OPEN OFFICE 301	ELP3-3	z16	X	X		X	X	X	X		X	0-10
CITY HALL OPEN OFFICE 301	LP3-1	z16	X	X		X	X	X	X			0-10
CITY HALL OPEN OFFICE 301	LP3-1	z17	X	X		X	X	X	X			0-10
CITY HALL OPEN OFFICE 301	ELP3-3	z18	X	X			X	X	X		X	0-10
CITY HALL OPEN OFFICE 301	LP3-1	z18	X	X			X	X	X			0-10

SINGLE ROOM LIGHTING CONTROLS - MAIN LEVEL

ROOM NAME	CIRCUIT	ZONE	RECEPTACLE CONTROL	LOCAL MANUAL ON/OFF CONTROL	LOCAL DIMMING CONTROL	DAYLIGHTING (INTERIOR PHOTCELL)	OCC SENSOR FULL OFF (AFTER 30 MINS)	OCC SENSOR PARTIAL OFF (AFTER 30 MINS)	BAS INTEGRATION	VACANCY DETECTION (MANUAL ON)	EMERGENCY LIGHTING CONTROL	LIGHT FIXTURE DIMMING TYPE
CORRIDOR 214	LP2-13	bb						X				0-10
CORRIDOR 119	LP1-3	c						X				0-10
VENDING 123	LP1-3	c						X				0-10
BRIEFING 258	ELP2-9	cc		X	X	X	X			X	X	0-10
BRIEFING 258	LP2-13	cc		X	X	X	X			X		0-10
CLERK / CASHIER 146	ELP1-3	d		X	X		X			X	X	0-10
CLERK / CASHIER 146	LP1-1	d		X	X		X			X		0-10
WOMEN'S 174	ELP1-3	dd					X				X	NONE
WOMEN'S 174	LP1-7	dd					X					NONE
CLERK / CASHIER 146	LP1-1	e		X	X		X			X		0-10
CORRIDORS 185/196	LP2-13	ee						X				0-10
DIRECTOR 100	ELP1-3	f		X	X		X			X	X	0-10
DIRECTOR 100	LP1-5	f		X	X		X			X		0-10
CONNECT 137	ELP1-3	ff		X	X		X			X	X	0-10
HUDDLE 117	ELP1-3	g		X	X		X			X	X	0-10
CONNECT 137	LP1-3	gg		X	X		X			X		0-10
LARGE CONNECT 106	LP1-5	h		X	X		X			X		0-10
CONNECT 137	LP1-3	hh		X	X		X			X		0-10
LARGE CONNECT 106	ELP1-3	i		X	X		X			X	X	0-10
LARGE CONNECT 106	LP1-5	i		X	X		X			X		0-10
CONNECT 192	ELP2-9	ii		X	X		X			X	X	0-10
CONNECT 192	LP2-13	ii		X	X		X			X		0-10
LARGE CONNECT 106	ELP1-3	j		X	X		X			X	X	0-10
LARGE CONNECT 106	LP1-5	j		X	X		X			X		0-10
RECORDS 177	ELP1-3	k		X	X		X			X	X	0-10
RECORDS 177	LP1-7	k		X	X		X			X		0-10
STORAGE 147	LP1-1	m		X			X			X		NONE
WOMEN'S 122	ELP1-3	n					X				X	NONE
WOMEN'S 122	LP1-3	n					X					NONE
MEN'S 124	ELP1-3	o					X				X	NONE
MEN'S 124	LP1-3	o					X					NONE
BREAK 126	ELP1-3	p		X	X		X			X	X	0-10
BREAK 126	LP1-3	p		X	X		X			X		0-10
CONNECT 182	ELP1-3	q		X	X		X			X	X	0-10
CONNECT 182	LP1-5	q		X	X		X			X		0-10
CONNECT 182	LP1-5	r		X	X		X			X		0-10
MEN'S 173	ELP1-3	s					X				X	NONE
MEN'S 173	LP1-7	s					X					NONE
KDPS WAITING AREA 168	LP2-13	t		X	X			X		X		0-10
KDPS WAITING AREA 168	ELP2-1	u		X	X			X		X	X	0-10
KDPS WAITING AREA 168	LP2-13	u		X	X			X		X		0-10
CORRIDOR 161	LP1-1	v						X				0-10
MEN'S 253	ELP2-9	y					X				<varies>	NONE
MEN'S 253	LP2-13	y					X					NONE
WOMEN'S 251	ELP2-9	z					X				X	NONE
WOMEN'S 251	LP2-13	z					X					NONE

SINGLE ROOM LIGHTING CONTROLS - UPPER LEVEL

ROOM NAME	CIRCUIT	ZONE	RECEPTACLE CONTROL	LOCAL MANUAL ON/OFF CONTROL	LOCAL DIMMING CONTROL	DAYLIGHTING (INTERIOR PHOTCELL)	OCC SENSOR FULL OFF (AFTER 30 MINS)	OCC SENSOR PARTIAL OFF (AFTER 30 MINS)	BAS INTEGRATION	VACANCY DETECTION (MANUAL ON)	EMERGENCY LIGHTING CONTROL	LIGHT FIXTURE DIMMING TYPE
FURNITURE STORAGE 341	LP3-23	c		X			X			X		NONE
BROADCASTING 339	ELP3-3	d		X	X		X			X	X	0-10
BROADCASTING 339	LP3-23	d		X	X		X			X		0-10
CATERING 33X	ELP3-5	e		X	X		X			X	X	0-10
CATERING 33X	LP3-23	e		X	X		X			X		0-10
MEN 368	ELP3-3	f					X				X	NONE
MEN 368	LP3-23	f					X					NONE
WOMEN 369	ELP3-3	g					X				X	NONE
WOMEN 369	LP3-23	g					X					NONE
CORRIDOR 365	LP3-27	h						X				0-10
CORRIDOR 330	LP3-27	i						X				0-10
CORRIDORS 303/312	LP3-27	j						X				0-10
CORRIDOR 323	LP3-27	k						X				0-10

LIGHTING CONTROL NOTES:

A. REFERENCE THE LIGHTING CONTROL DIAGRAM FOR SYSTEM REQUIREMENTS.

B. DIMMING PROTOCOL ABBREVIATIONS:

NONE = SWITCH ONLY
0-10 = 0 - 10 VDC
MLV = MAGNETIC LOW VOLTAGE
ELV = ELECTRONIC LOW VOLTAGE
TRIAC = LEADING-EDGE
VERIFY = VERIFY WITH LED REPLACEMENT LAMP MANUFACTURER

McHenry & Associates Incorporated
MC&A
Consulting Engineers est. 1960
25001 Emery Road, Suite #200
Warrensville Heights, Ohio 44128
Phone: 216-292-4696
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City of Kalamazoo - Crosstown Facility
CPED & KDPS Workplace Renovation
150 E Crosstown Parkway Kalamazoo MI 49001

Seal:

BID Set 08/21/2025

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Project Number: 23-046

ELECTRICAL SCHEDULES

E603

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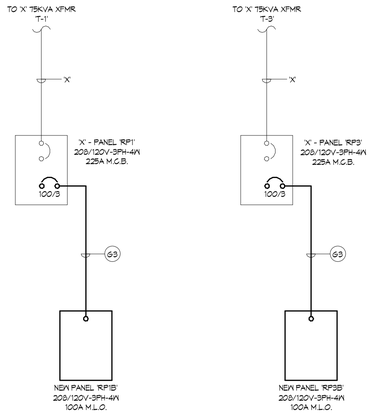

1 E604 PARTIAL ONE LINE DIAGRAM

NO SCALE

MECHANICAL EQUIPMENT AND CONTROL SCHEDULE

TAG	NAME	ROOM LOCATION	HP	FLA	MCA	MOCP	KW/KVA	VOLTS	PHASE	PANEL & CKT #	CIRCUIT BREAKER	POWER WIRING	KEY NOTES	FUSED DISC. SWITCH BY	NON-FUSED DISC. SWITCH BY	FIRE ALARM FAN SHUTDOWN
CUH-01	CABINET UNIT HEATER	VESTIBULE 170	-	-	1.4	15	0.2	120 V	1	RP2B-4	15A-1P	A1	-	-	EC	-
CUH-02	CABINET UNIT HEATER	WELCOME 171	-	-	1.4	15	0.2	120 V	1	RP2B-4	15A-1P	A1	-	-	EC	-
CUH-03	CABINET UNIT HEATER	STAIR S-1	-	-	0.8	15	0.1	120 V	1	RP1B-28	15A-1P	A1	-	-	EC	-
CUH-04	CABINET UNIT HEATER	VESTIBULE 193	-	-	0.8	15	0.1	120 V	1	RP3B-35	15A-1P	A1	-	-	EC	-
CUH-05	CABINET UNIT HEATER	VESTIBULE 267	-	-	0.8	15	0.1	120 V	1	RP3B-35	15A-1P	A1	-	-	EC	-
CUH-06	CABINET UNIT HEATER	CORRIDOR 161	-	-	0.8	15	0.1	120 V	1	RP1B-28	15A-1P	A1	-	-	EC	-

SYMBOLS:
EC = INDICATES EQUIPMENT TO BE FURNISHED BY ELECTRICAL CONTRACTOR

GENERAL NOTES:
1. E.C. SHALL MAKE FINAL TERMINATION AT EQUIPMENT.
2. E.C. SHALL PROVIDE ALL CIRCUITING REQUIRED AND INSTALL THERMOSTATS AND SENSORS FOR COMPLETE CONTROLS SYSTEM WHERE REQUIRED. THERMOSTATS AND SENSORS FURNISHED BY M.C.
3. PROVIDE FUSE SIZE PER MANUFACTURER'S RECOMMENDATION FOR ACTUAL EQUIPMENT INSTALLED FOR EQUIPMENT REQUIRING FUSED DISCONNECTS.
4. E.C. SHALL PROVIDE LOCAL DISCONNECTING MEANS FOR ALL EQUIPMENT LISTED ON SCHEDULE OR SHOWN ON PLAN DRAWINGS. TYPICAL ALL DRAWINGS.
5. E.C. TO FURNISH AND INSTALL ALL CONDUIT, WIRE, CABLES, AND MISCELLANEOUS EQUIPMENT AS REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM.
6. ALL FEEDER SIZES ARE TO BE COPPER WIRING AS REQUIRED BY UNIT LISTINGS. DO NOT USE ALUMINUM EQUIVALENTS.

BRANCH CIRCUIT & FEEDER SCHEDULE - 1 PHASE

DESIGNATION	PHASE	QTY. OF SETS	UNGROUNDED CONDUCTORS		GROUNDED CONDUCTOR	EQUIPMENT GROUND CONDUCTOR	CONDUIT
			Qty.	Size	Size	Size	Size
A1	1	1	1	#12	#12	#12	3/4"
B1	1	1	1	#10	#10	#10	3/4"
C1	1	1	1	#8	#8	#10	3/4"
D1	1	1	1	#6	#6	#10	1"
E1	1	1	1	#4	#4	#8	1 1/4"
F1	1	1	1	#3	#3	#8	1 1/4"
G1	1	1	1	#2	#2	#8	1 1/4"
A2	1	1	2	#12	#12	#12	3/4"
B2	1	1	2	#10	#10	#10	3/4"
C2	1	1	2	#8	#8	#10	3/4"
D2	1	1	2	#6	#6	#10	1"
E2	1	1	2	#4	#4	#8	1 1/4"
F2	1	1	2	#3	#3	#8	1 1/4"
G2	1	1	2	#2	#2	#8	1 1/4"
H2	1	1	2	#1	#1	#8	1 1/2"
I2	1	1	2	#1/0	#1/0	#8	2"
J2	1	1	2	#2/0	#2/0	#8	2"
K2	1	1	2	#3/0	#3/0	#8	2"
L2	1	1	2	#4/0	#4/0	#4	2 1/2"
M2	1	1	2	#250 KCMIL	#250 KCMIL	#4	2 1/2"
N2	1	1	2	#350 KCMIL	#350 KCMIL	#4	3"
O2	1	1	2	#400 KCMIL	#400 KCMIL	#3	3 1/2"
P2	1	1	2	#500 KCMIL	#500 KCMIL	#3	4"
G2	1	2	2	#4/0	#4/0	#2	2 1/2"
R2	1	2	2	#250 KCMIL	#250 KCMIL	#2	2 1/2"
S2	1	2	2	#350 KCMIL	#350 KCMIL	#1	3"
T2	1	2	2	#500 KCMIL	#500 KCMIL	#1/0	3 1/2"
U2	1	2	2	#600 KCMIL	#600 KCMIL	#1/0	4"

ALL WIRING ABOVE IS COPPER
FEEDER DESIGNATION SUBSCRIPTS:
n = WHEN ADJACENT TO FEEDER DESIGNATION, INDICATES THAT GROUNDED CONDUCTOR IS NOT REQUIRED FOR INDICATED FEEDER
ig = WHEN ADJACENT TO FEEDER DESIGNATION, INDICATES FEEDER SHALL INCLUDE ISOLATED GROUND CONDUCTOR SIZED EQUAL TO THE EQUIPMENT GROUND CONDUCTOR

FEEDER SCHEDULE - 3 PHASE

DESIGNATION	PHASE	QTY. OF SETS	UNGROUNDED CONDUCTORS		GROUNDED CONDUCTOR	EQUIPMENT GROUND CONDUCTOR	CONDUIT
			Qty.	Size	Size	Size	Size
A3	3	1	3	#12	#12	#12	3/4"
B3	3	1	3	#10	#10	#10	3/4"
C3	3	1	3	#8	#8	#10	3/4"
D3	3	1	3	#6	#6	#10	1"
E3	3	1	3	#4	#4	#8	1 1/4"
F3	3	1	3	#3	#3	#8	1 1/4"
G3	3	1	3	#2	#2	#8	1 1/2"
H3	3	1	3	#1	#1	#8	1 1/2"
I3	3	1	3	#1/0	#1/0	#6	2"
J3	3	1	3	#2/0	#2/0	#6	2"
K3	3	1	3	#3/0	#3/0	#6	2"
L3	3	1	3	#4/0	#4/0	#4	2 1/2"
M3	3	1	3	#250 KCMIL	#250 KCMIL	#4	2 1/2"
N3	3	1	3	#350 KCMIL	#350 KCMIL	#4	3"
O3	3	1	3	#400 KCMIL	#400 KCMIL	#3	3 1/2"
P3	3	1	3	#500 KCMIL	#500 KCMIL	#3	4"
G3	3	2	3	#4/0	#4/0	#2	2 1/2"
R3	3	2	3	#250 KCMIL	#250 KCMIL	#2	2 1/2"
S3	3	2	3	#350 KCMIL	#350 KCMIL	#1	3"
T3	3	2	3	#500 KCMIL	#500 KCMIL	#1/0	4"
U3	3	2	3	#600 KCMIL	#600 KCMIL	#1/0	4"
V3	3	3	3	#400 KCMIL	#400 KCMIL	#2/0	3 1/2"
W3	3	3	3	#600 KCMIL	#600 KCMIL	#3/0	4"
X3	3	4	3	#600 KCMIL	#600 KCMIL	#4/0	4"
Y3	3	5	3	#600 KCMIL	#600 KCMIL	#250 KCMIL	4"
Z3	3	6	3	#600 KCMIL	#600 KCMIL	#350 KCMIL	4"
A4	3	8	3	#500 KCMIL	#500 KCMIL	#400 KCMIL	4"
B4	3	10	3	#600 KCMIL	#600 KCMIL	#500 KCMIL	4"
TRANSFORMER PRIMARY FEEDERS							
T1P	3	1	3	#10	-	#10	3/4"
T2P	3	1	3	#6	-	#10	1"
T3P	3	1	3	#4	-	#8	1"
T4P	3	1	3	#1	-	#6	1 1/2"
T5P	3	1	3	#2/0	-	#6	2"
T6P	3	1	3	#4/0	-	#4	2 1/2"
T7P	3	1	3	#500 KCMIL	-	#3	3"
T8P	3	2	3	#250 KCMIL	-	#2	2 1/2"
T9P	3	2	3	#600 KCMIL	-	#1/0	3 1/2"
T10P	3	3	3	#600 KCMIL	-	#3/0	3 1/2"
TRANSFORMER SECONDARY FEEDERS							
T1S	3	1	3	#4	#4	#8	1 1/4"
T2S	3	1	3	#1	#1	#8	1 1/4"
T3S	3	1	3	#1/0	#1/0	#6	2"
T4S	3	1	3	#250 KCMIL	#250 KCMIL	#2	2 1/2"
T5S	3	1	3	#600 KCMIL	#600 KCMIL	#1/0	4"
T6S	3	2	3	#250 KCMIL	#250 KCMIL	#2	2 1/2"
T7S	3	2	3	#600 KCMIL	#600 KCMIL	#1/0	4"
T8S	3	3	3	#400 KCMIL	#400 KCMIL	#2/0	3"
T9S	3	4	3	#600 KCMIL	#600 KCMIL	#4/0	4"
T10S	3	6	3	#600 KCMIL	#600 KCMIL	#350 KCMIL	4"

ALL WIRING ABOVE IS COPPER
FEEDER DESIGNATION SUBSCRIPTS:
n = WHEN ADJACENT TO FEEDER DESIGNATION, INDICATES THAT GROUNDED CONDUCTOR IS NOT REQUIRED FOR INDICATED FEEDER
ig = WHEN ADJACENT TO FEEDER DESIGNATION, INDICATES FEEDER SHALL INCLUDE ISOLATED GROUND CONDUCTOR SIZED EQUAL TO THE EQUIPMENT GROUND CONDUCTOR

McHenry & Associates Incorporated
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City of Kalamazoo - Crosstown Facility
CPED & KDPS Workplace Renovation
150 E Crosstown Parkway Kalamazoo MI 49001

Seal:

BID Set 08/21/2025

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Project Number: 23-046

ELECTRICAL SCHEDULES & ONE LINE DIAGRAM

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GENERAL NOTES (TYPICAL ALL PANEL SCHEDULES)

A. PROVIDE NEW AND/OR REUSE EXISTING CIRCUIT BREAKERS TO MATCH PANEL SCHEDULES SHOWN FOR EXISTING PANELS TO BE REUSED. MATCH PANEL TYPE, MANUFACTURER, AND U.L. RATINGS.

PANEL SCHEDULE NOTES (TYPICAL ALL PANEL SCHEDULES)

C# = INDICATES CIRCUIT CONTROLLED BY CONTACTOR

G = INDICATES 5 mA TRIP GFCI TYPE CIRCUIT BREAKER
GE = INDICATES 30 mA TRIP GFCI TYPE CIRCUIT BREAKER

L = INDICATES LOCK-ON CIRCUIT BREAKER

ST = INDICATES SHUNT TRIP CIRCUIT BREAKER WITH 120 VOLT COIL

X = INDICATES EXISTING CIRCUIT TO REMAIN

N = INDICATES NEW CIRCUIT BREAKER TO BE INSTALLED MATCHING EXISTING PANEL LISTING

XRW = INDICATES EXISTING CIRCUIT BREAKER SHALL BE USED FOR NEW CIRCUIT OR MADE SPARE FOLLOWING DEMOLITION

XRL = INDICATES ADJUST EXISTING CIRCUIT BREAKER LOCATIONS AS REQUIRED FOR NEW 100A-3P CIRCUIT BREAKER

PANEL RP1

VOLTAGE: 120/208 Wye
PH & WIRES: 3PH,4W
BUSSING... 225

MAINS TYPE: 225A M.C.B.
AIC RATING: EXISTING
MOUNTING: SURFACE

LOCATION: ELEC 121
FEEDER AMPACITY: 225
REMARKS: EXISTING PANEL TO REMAIN MODIFY AS INDICATED

NOTES	LOAD DESCRIPTION	P	AMP	CCT	KVA LOADS PH A		PH B		PH C		CCT	AMP	P	LOAD DESCRIPTION	NOTES
X	EXISTING LOAD OR SPARE	2	20 A	1	0.50	1.08					2	20 A	1	ROOM 117 - RECEPT	X
				3			0.50	1.20			4	20 A	1	ROOM 123 - VENDING MACHINE	N,G
X	RECEPT - ROOM 122, 124	1	20 A	5					0.36	1.20	6	20 A	1	ROOM 123 - VENDING MACHINE	N,G
X	RECEPT - ROOM 120	1	20 A	7	0.54	1.20					8	20 A	1	ROOM 123 - VENDING MACHINE	N,G
X	RECEPT - ROOM 127	1	20 A	9			0.36	1.20			10	20 A	1	ROOM 123 - VENDING MACHINE	N,G
XRW	RECEPT - ROOM 134	1	20 A	11					0.72	1.20	12	20 A	1	ROOM 123 - VENDING MACHINE	N,G
XRW	RECEPT - ROOM 131	1	20 A	13	0.72	1.20					14	20 A	1	ROOM 123 - VENDING MACHINE	N,G
X	RECEPT - ROOM 132	1	20 A	15			0.72	0.50			16	20 A	1	ROOM 126 - REFRIGERATOR	N,G
XRW	RECEPT - ROOM 116	1	20 A	17					0.72	0.50	18	20 A	1	ROOM 126 - FREEZER	N,G
XRW	RECEPT - ROOM 129 FURNITURE	1	20 A	19	0.90	0.50					20	20 A	1	ROOM 126 - DISHWASHER	N,G
XRW	RECEPT - ROOM 129 FURNITURE	1	20 A	21			1.08	0.70			22	20 A	1	ROOM 126 - DISPOSAL	N,G
XRW	RECEPT - ROOM 129	1	20 A	23					0.72	1.20	24	20 A	1	ROOM 126 - MICROWAVE	N,G
XRW	RECEPT - ROOM 128, 129	1	20 A	25	0.72	1.20					26	20 A	1	ROOM 126 - MICROWAVE	N,G
XRW	(4) TV'S	1	20 A	27			1.00	0.72			28	20 A	1	ROOM 126 - RECEPT	N,G
X	RECEPT - ROOM 133	1	20 A	29					0.90	0.90	30	20 A	1	ROOM 129 FURNITURE - RECEPT	XRW
XRW	RECEPT - ROOM 127	1	20 A	31	0.90	0.50					32	20 A	2	EXISTING LOAD OR SPARE	X
X	RECEPT - ROOM 159	1	20 A	33			1.26	0.50			34				
XRW	RECEPT - ROOM 127	1	20 A	35					0.90	0.50	36	20 A	1	CABINET HEATER S-1	X
XRW	SPARE	1	20 A	37	0.00	8.76					38				
X	ELEVATOR CAB LIGHTS	1	20 A	39			0.50	9.30			40	100 A	3	PANEL 'RP1B'	N
X	ELEVATOR PIT LIGHTS / RECEPT	1	20 A	41					1.00	8.74	42				
	CONNECTED AMPS:				160.48		18.72		19.54		19.56			**CONNECTED KVA:**	57.81
	DEMAND LOAD AMPS:				101.55									**DEMAND KVA:**	36.59

NOTES:

PANEL ERP1

VOLTAGE: 120/208 Wye
PH & WIRES: 3PH,4W
BUSSING... 100

MAINS TYPE: 100A M.C.B.
AIC RATING: EXISTING
MOUNTING: SURFACE

LOCATION: ELEC 121
FEEDER AMPACITY: 95
REMARKS: EXISTING EM PANEL TO REMAIN MODIFY AS INDICATED

NOTES	LOAD DESCRIPTION	P	AMP	CCT	KVA LOADS PH A		PH B		PH C		CCT	AMP	P	LOAD DESCRIPTION	NOTES
X	FLOOR RECEPT - ROOM 100	1	20 A	1	0.18	0.50					2	20 A	1	METAL DETECTORS	XRW
X	RECEPT - IT ROOM 104	1	20 A	3			0.36	0.72			4	20 A	1	IT ROOM 160 - RECEPT	X
XRW	ROLLING GRILLE	1	20 A	5					0.36	0.72	6	20 A	1	ROOM 154 - RECEPT	X
N,L	FACP	1	20 A	7	0.50	0.18					8	20 A	1	ROOM 153 - FLOOR RECEPT	X
XRW	CCTV MONITORS - ROOM 176	1	20 A	9			0.75	0.50			10	20 A	1	SITE MOTORIZED MAN GATE	XRW
N,L	LCP1	1	20 A	11					0.10	0.50	12	20 A	1	SITE EM CALL PEDESTAL	XRW
XRW	ADA OPERATED DOORS	1	20 A	13	1.00	0.54					14	20 A	1	ROOM 157 - RECEPT	XRW
XRW	SITE MOTORIZED ROLLING GATE	1	20 A	15			1.00	0.00			16	20 A	1	SPARE	XRW
XRW	SITE MOTORIZED ROLLING GATE	1	20 A	17					1.00	0.00	18	20 A	1	SPARE	XRW
X	SENSOR CTRL WC 122	1	20 A	19	0.10	0.00					20	20 A	1	SPARE	
X	SENSOR CTRL WC 124	1	20 A	21			0.10	0.00			22	20 A	1	SPARE	XRW
X	SENSOR CTRL WC 173	1	20 A	23					0.10	0.00	24	20 A	1	SPARE	XRW
X	SENSOR CTRL WC 174	1	20 A	25	0.10	0.00					26	20 A	1	SPARE	XRW
X	GRAPHIC ANNUNCIATOR	1	20 A	27			0.10	0.10			28	20 A	1	ELEVATOR DETECTOR	X
X	FLOOR RECEPT - ROOM 180	1	20 A	29					0.36	0.50	30	20 A	1	SMOKE DAMPERS	X
	CONNECTED AMPS:				28.78		3.10		3.63		3.64			**CONNECTED KVA:**	10.37
	DEMAND LOAD AMPS:				28.78									**DEMAND KVA:**	10.37

NOTES:

PANEL RP1B

VOLTAGE: 120/208 Wye
PH & WIRES: 3PH,4W
BUSSING... 125

MAINS TYPE: LUGS ONLY
AIC RATING: MATCH PANEL 'RP1'
MOUNTING: SURFACE

LOCATION: ELEC 121
FEEDER AMPACITY: 95
REMARKS:

NOTES	LOAD DESCRIPTION	P	AMP	CCT	KVA LOADS PH A		PH B		PH C		CCT	AMP	P	LOAD DESCRIPTION	NOTES
	RECEPT - ROOM 162	1	20 A	1	1.08	0.72					2	20 A	1	ROOM 114 FURNITURE - RECEPT	
	RECEPT - ROOM 162	1	20 A	3			1.08	0.72			4	20 A	1	ROOM 113 FURNITURE - RECEPT	
	RECEPT - ROOM 162	1	20 A	5					1.08	1.08	6	20 A	1	ROOM 135, 136 - RECEPT	
	RECEPT - ROOM 162	1	20 A	7	0.72	0.68					8	20 A	1	ROOM 115 - RECEPT	
	RECEPT - ROOM 162	1	20 A	9			0.72	0.90			10	20 A	1	ROOM 137 - RECEPT	
	RECEPT - ROOM 162	1	20 A	11					0.72	0.72	12	20 A	1	ROOM 138 - RECEPT	
	RECEPT - ROOM 162	1	20 A	13	0.72	0.90					14	20 A	1	GENERAL PURPOSE - RECEPT	
	RECEPT - ROOM 163	1	20 A	15			1.08	0.68			16	20 A	1	ROOM 148 - RECEPT	
	RECEPT - ROOM 163	1	20 A	17					0.72	0.68	18	20 A	1	ROOM 148 - RECEPT	
	RECEPT - ROOM 163	1	20 A	19	0.72	0.90					20	20 A	1	ROOM 140 - RECEPT	
	RECEPT - ROOM 163	1	20 A	21			0.86	0.90			22	20 A	1	ROOM 141, 142 - RECEPT	
	RECEPT - ROOM 163	1	20 A	23					0.72	0.72	24	20 A	1	ROOM 113 FURNITURE - RECEPT	
	RECEPT - ROOM 163	1	20 A	25	0.72	0.16					26	20 A	1	MAIN STREET PENDANT - LIGHT	
	RECEPT - ROOM 153	1	20 A	27			0.72	0.20			28	15 A	1	CUH-03 & CUH-06	
	RECEPT - ROOM 153	1	20 A	29					0.72	0.36	30	20 A	1	ROOM 117 - FLOOR RECEPT	
	RECEPT - ROOM 153	1	20 A	31	0.72	0.00					32	20 A	1	SPARE	
	RECEPT - ROOM 153	1	20 A	33			0.72	0.00			34	20 A	1	SPARE	
	RECEPT - ROOM 153	1	20 A	35					0.72	0.00	36	20 A	1	SPARE	
	RECEPT - ROOM 153	1	20 A	37	0.72	--					38	--	1	SPACE	
	RECEPT - ROOM 153	1	20 A	39			0.72	--			40	--	1	SPACE	
	RECEPT - ROOM 153	1	20 A	41					0.50	--	42	--	1	SPACE	
	CONNECTED AMPS:				74.38		8.76		9.30		8.74			**CONNECTED KVA:**	26.80
	DEMAND LOAD AMPS:				51.57									**DEMAND KVA:**	18.58

NOTES:
PROVIDE SOLID NEUTRAL BUS & GROUND BAR.
PROVIDE LUG SIZES AS REQUIRED FOR FEEDER SIZE SHOWN ON PARTIAL ONE-LINE DIAGRAM

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CPED & KDPS Workplace Renovation
150 E Crosstown Parkway Kalamazoo MI 49001

Seal:

BID Set 08/21/2025

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Project Number: 23-046

ELECTRICAL PANEL SCHEDULES

E605

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GENERAL NOTES (TYPICAL ALL PANEL SCHEDULES)

A. PROVIDE NEW AND/OR REUSE EXISTING CIRCUIT BREAKERS TO MATCH PANEL SCHEDULES SHOWN FOR EXISTING PANELS TO BE REUSED. MATCH PANEL TYPE, MANUFACTURER, AND U.L. RATINGS.

PANEL SCHEDULE NOTES (TYPICAL ALL PANEL SCHEDULES)

C# = INDICATES CIRCUIT CONTROLLED BY CONTACTOR

G = INDICATES 5 mA TRIP GFCI TYPE CIRCUIT BREAKER
GE = INDICATES 30 mA TRIP GFCI TYPE CIRCUIT BREAKER

L = INDICATES LOCK-ON CIRCUIT BREAKER

ST = INDICATES SHUNT TRIP CIRCUIT BREAKER WITH 120 VOLT COIL

X = INDICATES EXISTING CIRCUIT TO REMAIN

N = INDICATES NEW CIRCUIT BREAKER TO BE INSTALLED MATCHING EXISTING PANEL LISTING

XRW = INDICATES EXISTING CIRCUIT BREAKER SHALL BE USED FOR NEW CIRCUIT OR MADE SPARE FOLLOWING DEMOLITION

XRL = INDICATES ADJUST EXISTING CIRCUIT BREAKER LOCATIONS AS REQUIRED FOR NEW 100A-3P CIRCUIT BREAKER

PANEL ERP2

VOLTAGE: 120/208 Wye
PH & WIRES: 3PH,4W
BUSSING... 225
MAINS TYPE: LUGS ONLY
AIC RATING: EXISTING
MOUNTING: SURFACE
LOCATION: ELEC 243
FEEDER AMPACITY: 95
REMARKS: EXISTING EM PANEL TO REMAIN MODIFY AS INDICATED

NOTES	LOAD DESCRIPTION	P	AMP	CCT	KVA LOADS PH A		PH B		PH C		CCT	AMP	P	LOAD DESCRIPTION	NOTES
XRW	SPARE	1	20 A	1	0.00	0.54					2	20 A	1	ROOM 275 - RECEPT	X
XRW	CCTV MONITORS - ROOM 216	1	20 A	3			0.75	0.36			4	20 A	1	ROOM 275 - RECEPT	X
XRW	SPARE	1	20 A	5					0.00	0.36	6	20 A	1	ROOM 198 - RECEPT	X
XRW	SPARE	1	20 A	7	0.00	0.36					8	20 A	1	ROOM 197 - RECEPT	X
X	RECEPT - ROOM 257	1	20 A	9			0.90	0.50			10	20 A	1	HAVEL BROS CTRL BOX 243	X
X	RECEPT - ROOM 258	1	20 A	11					0.18	0.72	12	20 A	1	ROOM 234 - RECEPT	X
X	RECEPT - ROOM 258	1	20 A	13	0.18	0.54					14	20 A	1	ROOM 241 - RECEPT	X
X	RECEPT - ROOM 259	1	20 A	15			0.18	0.36			16	20 A	1	ROOM 241 - RECEPT	X
X	RECEPT - ROOM 260	1	20 A	17					0.90	0.90	18	20 A	1	ROOM 225 - RECEPT	X
X	REFRIGERATOR - ROOM 227	1	20 A	19	1.00	0.90					20	20 A	1	ROOM 223 - RECEPT	X
X	MICROWAVE - ROOM 227	1	20 A	21			1.00	0.36			22	20 A	1	ROOM 240 - RECEPT	X
X	STAIRWELL S-4	1	20 A	23					0.10	0.18	24	20 A	1	ROOM 227 - RECEPT	X
X	SENSOR CTRL WC 251	1	20 A	25	0.10	0.50					26	20 A	1	FIRE BELLS	X
X	SENSOR CTRL WC 253	1	20 A	27			0.10	0.50			28	20 A	1	SMOKE DAMPERS	X
X	ROOM 276/279 IRIS READER	1	20 A	29					0.10	0.10	30	20 A	1	ELEVATOR 3 SMOKE	X
X	SERVICE ELEVATOR SUMP PUMP	1	20 A	31	0.50	0.36					32	20 A	1	ROOM 279 - RECEPT	X
X	SERVICE ELEVATOR PIT/CAB LIGHT	1	20 A	33			0.50	0.36			34	20 A	1	ROOM 279 - RECEPT	X
X	O/H DOOR - ROOM 273	1	20 A	35					0.50	0.36	36	20 A	1	ROOM 271, 279 - RECEPT	X
X	STAIRWELL S-4	1	20 A	37	0.10	0.10					38	20 A	1	CAMERA (SE CORNER)	X
X	SERVICE ELEVATOR LIGHT / RECEPT	1	20 A	39			0.50	0.50			40	20 A	1	ROOM 235 - FIRE PANEL	X
X	PRE-ACTION AIR COMPR - ROOM 235	1	20 A	41					0.50	0.50	42	20 A	1	ROOM 243 - FIRE PANEL	X
	CONNECTED AMPS:		48.44		5.18		6.87		5.40		**CONNECTED KVA:**	17.45			
	DEMAND LOAD AMPS:		48.44								**DEMAND KVA:**	17.45			
	NOTES:														

PANEL RP2B

VOLTAGE: 120/208 Wye
PH & WIRES: 3PH,4W
BUSSING... 100
MAINS TYPE: 100A M.C.B
AIC RATING: EXISTING
MOUNTING: SURFACE
LOCATION: ELEC 143-B
FEEDER AMPACITY: 95
REMARKS: EXISTING PANEL TO REMAIN MODIFY AS INDICATED

NOTES	LOAD DESCRIPTION	P	AMP	CCT	KVA LOADS PH A		PH B		PH C		CCT	AMP	P	LOAD DESCRIPTION	NOTES
X	RECEPT - ROOM 176	1	20 A	1	0.36	0.72					2	20 A	1	ROOM 145 - RECEPT	XRW
X	RECEPT - ROOM 176	1	20 A	3			0.36	0.40			4	15 A	1	CUH-01 & CUH-02	N
XRW	RECEPT - ROOM 154, 166, 168	1	20 A	5					1.08	0.00	6	20 A	1	SPARE	XRW
XRW	RECEPT - ROOM 163, 167	1	20 A	7	1.08	0.00					8	20 A	1	SPARE	XRW
XRW	RECEPT - ROOM 167, 183	1	20 A	9			1.08	0.00			10	20 A	1	SPARE	XRW
XRW	RECEPT - ROOM 176	1	20 A	11					0.90	0.90	12	20 A	1	ROOM 147 - RECEPT	XRW
XRW	RECEPT - ROOM 176	1	20 A	13	0.90	0.90					14	20 A	1	ROOM 169 - RECEPT	N
XRW	RECEPT - ROOM 176	1	20 A	15			1.08	--			16	--	1	SPACE	
XRW	RECEPT - ROOM 176	1	20 A	17					1.08	--	18	--	1	SPACE	
X	ELEVATOR PIT LIGHT/RECEPT	1	20 A	19	0.50	0.00					20	20 A	1	SPARE	XRW
XRW	RECEPT - ROOM 176	1	20 A	21			1.08	--			22	--	1	SPACE	
N	RECEPT - ROOM 176	1	20 A	23					0.50	--	24	--	1	SPACE	
	CONNECTED AMPS:		35.86		4.46		4.00		4.46		**CONNECTED KVA:**	12.92			
	DEMAND LOAD AMPS:		33.06								**DEMAND KVA:**	11.91			
	NOTES:														

PANEL LP1

VOLTAGE: 480/277 Wye
PH & WIRES: 3PH,4W
BUSSING... 125
MAINS TYPE: LUGS ONLY
AIC RATING: EXISTING
MOUNTING: SURFACE
LOCATION: ELEC 143-B
FEEDER AMPACITY: 95
REMARKS: EXISTING PANEL TO REMAIN MODIFY AS INDICATED

NOTES	LOAD DESCRIPTION	P	AMP	CCT	KVA LOADS PH A		PH B		PH C		CCT	AMP	P	LOAD DESCRIPTION	NOTES
XRW	LIGHTING - CPED SE	1	20 A	1	2.69	0.00					2			SPARE	XRW
XRW	LIGHTING - CPED SW	1	20 A	3			2.24	0.00			4			SPARE	XRW
XRW	LIGHTING - CPED NW	1	20 A	5					1.71	0.00	6			SPARE	
XRW	LIGHTING - CPED NE	1	20 A	7	2.60	0.00					8			SPARE	
XRW	SPARE	1	20 A	9			0.00	0.00			10			SPARE	
XRW	SPARE	1	20 A	11					0.00	0.00	12			SPARE	
XRW	SPARE	1	20 A	13	0.00	0.00					14			SPARE	
XRW	SPARE	1	20 A	15			0.00	0.00			16			SPARE	
XRW	SPARE	1	20 A	17					0.00	0.00	18	20 A	2	SPARE	
XRW	SPARE	1	20 A	19	0.00	0.00					20				
XRW	SPARE	1	20 A	21			0.00	0.00			22	20 A	2	SPARE	
XRW	SPARE	1	20 A	23					0.00	0.00	24				
	SPARE	1	20 A	25	0.00	--					26	--	1	SPACE	
	SPACE	1	--	27			--	--			28	--	1	SPACE	
	SPACE	1	--	29					--	--	30	--	1	SPACE	
	CONNECTED AMPS:		11.11		5.29		2.24		1.71		**CONNECTED KVA:**	9.24			
	DEMAND LOAD AMPS:		11.11								**DEMAND KVA:**	9.24			
	NOTES:														

PANEL RP2

VOLTAGE: 120/208 Wye
PH & WIRES: 3PH,4W
BUSSING... 225
MAINS TYPE: 225A M.C.B.
AIC RATING: EXISTING
MOUNTING: SURFACE
LOCATION: ELEC 143-B
FEEDER AMPACITY: 225
REMARKS: EXISTING PANEL TO REMAIN MODIFY AS INDICATED

NOTES	LOAD DESCRIPTION	P	AMP	CCT	KVA LOADS PH A		PH B		PH C		CCT	AMP	P	LOAD DESCRIPTION	NOTES
X	RECEPT - ROOM 100	1	20 A	1	0.90	1.08					2	20 A	1	ROOM 182 - FLOOR RECEPT	XRW
X	RECEPT - ROOM 112	1	20 A	3			1.44	0.72			4	20 A	1	ROOM 105, 106 - RECEPT	X
X	RECEPT - ROOM 102, 113	1	20 A	5					1.08	0.90	6	20 A	1	ROOM 182 - RECEPT	XRW
X	RECEPT - ROOM 103, 106	1	20 A	7	0.90	0.90					8	20 A	1	ROOM 182 - RECEPT	XRW
XRW	(4) TV'S	1	20 A	9			1.00	0.90			10	20 A	1	ROOM 151 - RECEPT	XRW
XRW	(4) TV'S	1	20 A	11					1.00	0.75	12	20 A	1	LIT SIGNAGE	XRW
X	FLOOR RECEPT - ROOM 103	1	20 A	13	0.72	0.50					14	20 A	1	MONUMENT SIGN	XRW
XRW	RECEPT - GENERAL PURPOSE	1	20 A	15			0.72	0.90			16	20 A	1	ROOM 172, 180 - RECEPT	XRW
XRW	RECEPT - ROOM 101, 108	1	20 A	17					1.08	0.54	18	20 A	1	ROOM 180 - RECEPT	XRW
X	RECEPT - ROOM 113	1	20 A	19	0.36	0.00					20	20 A	1	SPARE	XRW
XRW	RECEPT - ROOM 107, 110	1	20 A	21			1.26	0.72			22	20 A	1	ROOM 146 - RECEPT	XRW
X	RECEPT - ROOM 181	1	20 A	23					0.18	0.72	24	20 A	1	ROOM 146 - RECEPT	XRW
XRW	(4) TV'S	1	20 A	25	1.00	0.72					26	20 A	1	ROOM 145 - RECEPT	XRW
XRW	FLOOR RECEPT - ROOM 106	1	20 A	27			0.72	0.54			28	20 A	1	EWC & ROOM 173,174 - RECEPT	X
XRW	FLOOR RECEPT - ROOM 106	1	20 A	29					0.72	0.50	30	20 A	2	EXISTING LOAD OR SPARE	X
XRW	RECEPT - ROOM 106	1	20 A	31	0.72	0.50					32				
XRW	RECEPT - ROOM 106	1	20 A	33			0.72	0.50			34	20 A	2	EXISTING LOAD OR SPARE	X
XRW	RECEPT - ROOM 149	1	20 A	35					0.72	0.50	36				
XRW	RECEPT - ROOM 150	1	20 A	37	0.72	4.46					38				
XRW	RECEPT - ROOM 103	1	20 A	39			1.08	4.00			40	100 A	3	PANEL 'RP2B'	X
XRW	RECEPT - ROOM 103	1	20 A	41					0.90	4.46	42				
	CONNECTED AMPS:		118.66		13.48		15.22		14.05		**CONNECTED KVA:**	42.75			
	DEMAND LOAD AMPS:		78.97								**DEMAND KVA:**	28.45			
	NOTES:														

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Seal:

BID Set 08/21/2025

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ELECTRICAL PANEL SCHEDULES

E606

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GENERAL NOTES (TYPICAL ALL PANEL SCHEDULES)

A. PROVIDE NEW AND/OR REUSE EXISTING CIRCUIT BREAKERS TO MATCH PANEL SCHEDULES SHOWN FOR EXISTING PANELS TO BE REUSED. MATCH PANEL TYPE, MANUFACTURER, AND U.L. RATINGS.

PANEL SCHEDULE NOTES (TYPICAL ALL PANEL SCHEDULES)

C# = INDICATES CIRCUIT CONTROLLED BY CONTACTOR

G = INDICATES 5 mA TRIP GFCI TYPE CIRCUIT BREAKER
GE = INDICATES 30 mA TRIP GFCI TYPE CIRCUIT BREAKER

L = INDICATES LOCK-ON CIRCUIT BREAKER

ST = INDICATES SHUNT TRIP CIRCUIT BREAKER WITH 120 VOLT COIL

X = INDICATES EXISTING CIRCUIT TO REMAIN

N = INDICATES NEW CIRCUIT BREAKER TO BE INSTALLED MATCHING EXISTING PANEL LISTING

XRW = INDICATES EXISTING CIRCUIT BREAKER SHALL BE USED FOR NEW CIRCUIT OR MADE SPARE FOLLOWING DEMOLITION

XRL = INDICATES ADJUST EXISTING CIRCUIT BREAKER LOCATIONS AS REQUIRED FOR NEW 100A-3P CIRCUIT BREAKER

PANEL LP2

VOLTAGE: 480/277 Wye
PH & WIRES: 3PH,4W
BUSSING... 125
MAINS TYPE: LUGS ONLY
AIC RATING: EXISTING
MOUNTING: SURFACE
LOCATION: ELEC 243
FEEDER AMPACITY: 125
REMARKS: EXISTING PANEL TO REMAIN MODIFY AS INDICATED

NOTES	LOAD DESCRIPTION	P	AMP	CCT	KVA LOADS PH A		PH B		PH C		CCT	AMP	P	LOAD DESCRIPTION	NOTES
X	LIGHTS RM 179, 181, 182	1	--	1	--	--					2	--	1	SITE LIGHTING	X
X	RM 177,183,184,185,187,191,206,207,...	1	--	3			--	--			4	--	1	SITE LIGHTING	X
	SPARE	1	20 A	5					0.00	--	6	--	1	SITE LIGHTING	X
X	LTS RM 188, 193, 194, 202-205	1	--	7	--	--					8	--	1	SITE LIGHTING	X
X	LIGHTS RM 201 CONFERENCE ROOM	1	--	9			--	--			10	--	1	SITE LIGHTING	X
X	LTS RM 190, 221, 228, 238, 261, 266,...	1	--	11					--	--	12	--	1	SITE LIGHTING	X
XRW	LIGHTS - KDPS	1	20 A	13	3.54	--					14	--	1	LT RM 229, 230, 233-237	X
XRW	SPARE	1	20 A	15			0.00	--			16	--	1	LT RM 248, 262, 263, 264	X
X	LT RM 198, 199, 244, 245	1	--	17					--	--	18	--	1	LIGHTS LOADING DOCK	X
X	LT RM 273, 274, 275, 278	1	--	19	--	--					20	--	1	SITE LIGHTING	X
X	LT R, 276, 277, 284, 285	1	--	21			--	--			22	--	1	SITE LIGHTING	X
X	SITE LIGHTING	1	--	23					--	0.46	24	20 A	1	SITE LIGHTING	N
	SPARE	1	20 A	25	0.00	--					26	--	1	SPACE	
	SPACE	1	--	27			--	--			28	--	1	SPACE	
	SPACE	1	--	29					--	--	30	--	1	SPACE	
	CONNECTED AMPS:		4.81		3.54		0.00		0.46		**CONNECTED KVA:**	4.00			
	DEMAND LOAD AMPS:		4.81								**DEMAND KVA:**	4.00			
	NOTES:														

PANEL ERP5

VOLTAGE: 120/208 Wye
PH & WIRES: 3PH,4W
BUSSING... 150
MAINS TYPE: 150A M.C.B.
AIC RATING: EXISTING
MOUNTING: SURFACE
LOCATION: ELEC 243
FEEDER AMPACITY: 150
REMARKS: EXISTING EM PANEL TO REMAIN MODIFY AS INDICATED

NOTES	LOAD DESCRIPTION	P	AMP	CCT	KVA LOADS PH A		PH B		PH C		CCT	AMP	P	LOAD DESCRIPTION	NOTES
X	RECEPT - ROOM 244	1	20 A	1	0.36	0.36					2	20 A	1	ROOM 224 - RECEPT	X
X	RECEPT - ROOM 245	1	20 A	3			0.36	0.36			4	20 A	1	ROOM 224 - RECEPT	X
X	RECEPT - ROOM 245	1	20 A	5					0.36	0.36	6	20 A	1	ROOM 224 - RECEPT	X
X	RECEPT - ROOM 209	1	20 A	7	0.36	0.36					8	20 A	1	ROOM 224 - RECEPT	X
X	RECEPT - ROOM 209	1	20 A	9			0.36	0.36			10	20 A	1	ROOM 224 - RECEPT	X
X	RECEPT - ROOM 209	1	20 A	11					0.36	0.36	12	20 A	1	ROOM 224 - RECEPT	X
X	IT ROOM UPS	2	100 A	13	5.00	0.36					14	20 A	1	ROOM 224 - RECEPT	X
				15			5.00	0.36			16	20 A	1	ROOM 224 - RECEPT	X
X	RECEPT - ROOM 246	1	20 A	17					0.36	0.36	18	20 A	1	ROOM 224 - RECEPT	X
X	RECEPT - ROOM 246	1	20 A	19	0.36	0.36					20	20 A	1	ROOM 224 - RECEPT	X
X	RECEPT - ROOM 246	1	20 A	21			0.36	0.36			22	20 A	1	ROOM 224 - RECEPT	X
X	RECEPT - ROOM 246	1	20 A	23					0.36	0.36	24	20 A	1	ROOM 224 - RECEPT	X
X	RECEPT - ROOM 246	1	20 A	25	0.36	1.00					26	20 A	1	ROOM 222 - RECEPT	X
X	RECEPT - ROOM 247	1	20 A	27			0.36	1.00			28	20 A	1	ROOM 222 - RECEPT	X
X	RECEPT - ROOM 247	1	20 A	29					0.36	1.00	30	20 A	1	ROOM 222 - RECEPT	X
X	RECEPT - ROOM 247	1	20 A	31	0.36	1.00					32	20 A	1	ROOM 222 - RECEPT	X
X	RECEPT - ROOM 247	1	20 A	33			0.36	1.00			34	20 A	2	EXTERIOR LIGHTS	X
X	RECEPT - ROOM 209	1	20 A	35					0.36	1.00	36				
X	PANEL 'ERP5B'	3	60 A	37	5.00	1.00					38	20 A	1	ROOM 222 - RECEPT	X
				39			5.00	1.00			40	20 A	1	ROOM 222 - RECEPT	X
				41					5.00	1.00	42	20 A	1	ROOM 222 - RECEPT	X
	CONNECTED AMPS:		122.35		16.24		16.24		11.60		**CONNECTED KVA:**	44.08			
	DEMAND LOAD AMPS:		122.35								**DEMAND KVA:**	44.08			
	NOTES:														

PANEL RP4

VOLTAGE: 120/208 Wye
PH & WIRES: 3PH,4W
BUSSING... 150
MAINS TYPE: 150A M.C.B.
AIC RATING: EXISTING
MOUNTING: SURFACE
LOCATION: ELEC 243
FEEDER AMPACITY: 150
REMARKS: EXISTING PANEL TO REMAIN MODIFY AS INDICATED

NOTES	LOAD DESCRIPTION	P	AMP	CCT	KVA LOADS PH A		PH B		PH C		CCT	AMP	P	LOAD DESCRIPTION	NOTES
X	EXISTING LOAD OR SPARE	2	20 A	1	0.50	0.00					2	20 A	1	SPARE	XRW
				3			0.50	0.90			4	20 A	1	ROOM 248 - RECEPT	X
X	EXISTING LOAD OR SPARE	2	20 A	5					0.50	0.72	6	20 A	1	ROOM 263 - RECEPT	X
				7	0.50	0.90					8	20 A	1	ROOM 273 - RECEPT	X
X	TCP	1	20 A	9			0.50	0.00			10	20 A	1	SPARE	
X	RECEPT - ROOM 218, 251, 253	1	20 A	11					0.90	0.36	12	20 A	1	ROOM 278, 282- RECEPT	X
XRW	SPARE	1	20 A	13	0.00	0.18					14	20 A	1	ROOM 268 - RECEPT	X
X	RECEPT - ROOM 216, 255	1	20 A	15			0.72	0.54			16	20 A	1	ROOM 196 - RECEPT	X
XRW	SPARE	1	20 A	17					0.00	0.72	18	20 A	1	ROOM 199 - RECEPT	X
X	RECEPT - ROOM 215, 216	1	20 A	19	0.54	0.72					20	20 A	1	ROOM 229 - RECEPT	X
X	RECEPT - ROOM 214, 256	1	20 A	21			1.08	0.54			22	20 A	1	ROOM 233 - RECEPT	X
X	RECEPT - ROOM 261	1	20 A	23					0.54	0.54	24	20 A	1	ROOM 233 - RECEPT	X
X	RECEPT - ROOM 261	1	20 A	25	1.08	0.18					26	20 A	1	ROOM 260 - RECEPT	X
X	RECEPT - ROOM 262	1	20 A	27			0.54	0.10			28	20 A	1	TIMECLOCK	X
X	RECEPT - ROOM 263	1	20 A	29					0.18	0.50	30	20 A	1	UH-103, UH-104, UH-105	X
X	RECEPT - ROOM 263	1	20 A	31	0.18	0.50					32	20 A	1	CH-104	X
X	RECEPT - ROOM 264	1	20 A	33			0.18	1.00			34	20 A	2	SPRINKLER PUMP	X
X	RECEPT - ROOM 263	1	20 A	35					0.18	1.00	36				
X	MONUMENT PARK SIGN	1	20 A	37	0.50	0.50					38	20 A	1	CH-105, UH-106, UH-107	X
X	CAR LIFT	2	20 A	39			1.00	0.50			40	20 A	1	UH-108, UH-109, CH-106	X
				41					1.00	0.50	42	20 A	1	EF-102	X
	CONNECTED AMPS:		61.12		6.28		8.10		7.64		**CONNECTED KVA:**	22.02			
	DEMAND LOAD AMPS:		61.12								**DEMAND KVA:**	22.02			
	NOTES:														

PANEL RP3

VOLTAGE: 120/208 Wye
PH & WIRES: 3PH,4W
BUSSING... 225
MAINS TYPE: 225A M.C.B.
AIC RATING: EXISTING
MOUNTING: SURFACE
LOCATION: ELEC 243
FEEDER AMPACITY: 225
REMARKS: EXISTING PANEL TO REMAIN MODIFY AS INDICATED

NOTES	LOAD DESCRIPTION	P	AMP	CCT	KVA LOADS PH A		PH B		PH C		CCT	AMP	P	LOAD DESCRIPTION	NOTES
X	RECEPT - ROOM 177, 178	1	20 A	1	0.90	1.00					2	20 A	1	(4) TV'S	XRW
X	RECEPT - ROOM 192	1	20 A	3			0.90	0.90			4	20 A	1	ROOM 188 - RECEPT	X
X	RECEPT - ROOM 195	1	20 A	5					1.08	0.72	6	20 A	1	ROOM 193 - RECEPT	X
XRL	RECEPT - ROOM 185	1	20 A	7	0.90	1.08					8	20 A	1	ROOOM 188, 189, 190 - RECEPT	XRW
X	RECEPT - ROOM 191	1	20 A	9			0.54	0.90			10	20 A	1	ROOM 202 - RECEPT	X
X	RECEPT - ROOM 191, 196, 221	1	20 A	11					0.90	0.90	12	20 A	1	ROOM 201, 202 - RECEPT	X
XRW	RECEPT - ROOM 184	1	20 A	13	0.72	0.90					14	20 A	1	ROOM 204 - RECEPT	X
X	RECEPT - ROOM 184	1	20 A	15			0.72	0.36			16	20 A	1	ROOM 203 - RECEPT	X
N	PANEL 'RP3B'	3	100 A	17					9.02	0.36	18	20 A	1	ROOM 203 - RECEPT	X
				19	8.93	1.00					20	20 A	1	ROOM 203 - RECEPT	X
				21			8.69	1.00			22	20 A	1	ROOM 203 - DISHWASHER	X
X	RECEPT - ROOM 187	1	20 A	23					1.08	0.36	24	20 A	1	ROOM 203 - RECEPT	X
X	RECEPT - ROOM 205	1	20 A	25	0.54	0.90					26	20 A	1	ROOM 219A - RECEPT	
X	RECEPT - ROOM 205	1	20 A	27			0.72	1.08			28	20 A	1	ROOM 186, 187 - RECEPT	XRW
X	RECEPT - ROOM 196	1	20 A	29					0.72	0.54	30	20 A	1	ROOM 201 - RECEPT	X
X	RECEPT - ROOM 207	1	20 A	31	0.90	0.54					32	20 A	1	ROOM 201 - RECEPT	X
X	RECEPT - ROOM 208	1	20 A	33			0.90	0.54			34	20 A	1	ROOM 201 - RECEPT	X
X	RECEPT - ROOM 219B	1	20 A	35					0.90	1.08	36	20 A	1	ROOM 192 - RECEPT	X
X	CH-103, EXUH-001, EXUH-002	1	20 A	37	0.50	0.00					38	20 A	1	SPARE	XRW
X	EF-101, CH-102, UH-102	1	20 A	39			0.50	0.50			40	20 A	1	ELEVATOR CAB LIGHTS	X
X	UH-101, ERV-101	1	20 A	41					0.50	1.00	42	20 A	1	ELEVATOR PIT LIGHTS / RECEPT	X
	CONNECTED AMPS:		156.05		18.81		18.25		19.16		**CONNECTED KVA:**	56.22			
	DEMAND LOAD AMPS:		126.95								**DEMAND KVA:**	45.74			
	NOTES:														

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CPED & KDPS Workplace Renovation
150 E Crosstown Parkway Kalamazoo MI 49001

Seal:

BID Set 08/21/2025

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ELECTRICAL PANEL SCHEDULES

E607

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GENERAL NOTES (TYPICAL ALL PANEL SCHEDULES)

A. PROVIDE NEW AND/OR REUSE EXISTING CIRCUIT BREAKERS TO MATCH PANEL SCHEDULES SHOWN FOR EXISTING PANELS TO BE REUSED. MATCH PANEL TYPE, MANUFACTURER, AND U.L. RATINGS.

PANEL SCHEDULE NOTES (TYPICAL ALL PANEL SCHEDULES)

C# = INDICATES CIRCUIT CONTROLLED BY CONTACTOR

G = INDICATES 5 mA TRIP GFCI TYPE CIRCUIT BREAKER
GE = INDICATES 30 mA TRIP GFCI TYPE CIRCUIT BREAKER

L = INDICATES LOCK-ON CIRCUIT BREAKER

ST = INDICATES SHUNT TRIP CIRCUIT BREAKER WITH 120 VOLT COIL

X = INDICATES EXISTING CIRCUIT TO REMAIN

N = INDICATES NEW CIRCUIT BREAKER TO BE INSTALLED MATCHING EXISTING PANEL LISTING

XRW = INDICATES EXISTING CIRCUIT BREAKER SHALL BE USED FOR NEW CIRCUIT OR MADE SPARE FOLLOWING DEMOLITION

XRL = INDICATES ADJUST EXISTING CIRCUIT BREAKER LOCATIONS AS REQUIRED FOR NEW 100A-3P CIRCUIT BREAKER

PANEL EMDP

VOLTAGE: 480/277 Wye
PH & WIRES: 3PH,4W
BUSSING... 400

MAINS TYPE: 300A M.C.B.
AIC RATING: EXISTING
MOUNTING: SURFACE

LOCATION: ELECTRICAL 308
FEEDER AMPACITY: 300
REMARKS: EXISTING EM PANEL TO REMAIN MODIFY AS INDICATED

NOTES	LOAD DESCRIPTION	P	AMP	CCT	KVA LOADS A		CCT	KVA LOADS B		CCT	KVA LOADS C		CCT	AMP	P	LOAD DESCRIPTION	NOTES
				1	0.00	0.00							2				
X	EF-201	3	15 A	3			0.00	0.00					4	15 A	3	EF-202	X
				5						0.00	0.00		6				
				7	0.00	0.00							8				
	SPARE	3	15 A	9			0.00	0.00					10	15 A	3	TRAFFIC CTRL GATE	X
				11						0.00	0.00		12				
				13	0.00	0.00							14				
X	FC-104	3	20 A	15			0.00	0.00					16	20 A	3	FC-103	X
				17						0.00	0.00		18				
				19	4.59	0.00							20				
X	PANEL 'ELDP'	3	60 A	21			7.65	0.00					22	20 A	3	SPARE	
				23						2.24	0.00		24				
	SPACE	1	--	25	--	0.00							26				
	SPACE	1	--	27			--	0.00					28	100 A	3	EM BOILER PANEL	X
	SPACE	1	--	29						--	0.00		30				
		1	--	31	--	13.14							32				
		1	--	33			--	11.72					34	225 A	3	PANEL 'ERDP' VIA TE1	X
		1	--	35						--	13.26		36				
	CONNECTED AMPS:		63.25		17.73			19.37			15.50		**CONNECTED KVA:**			52.59	
	DEMAND LOAD AMPS:		63.25										**DEMAND KVA:**			52.59	

NOTES:

PANEL RP5

VOLTAGE: 120/208 Wye
PH & WIRES: 3PH,4W
BUSSING... 225

MAINS TYPE: 125A M.C.B.
AIC RATING: EXISTING
MOUNTING: SURFACE

LOCATION: ELECTRICAL 308
FEEDER AMPACITY: 125
REMARKS: EXISTING PANEL TO REMAIN MODIFY AS INDICATED

NOTES	LOAD DESCRIPTION	P	AMP	CCT	KVA LOADS PH A		CCT	KVA LOADS PH B		CCT	KVA LOADS PH C		CCT	AMP	P	LOAD DESCRIPTION	NOTES
X	RECEPT - ROOM 301	1	20 A	1	0.72	0.18							2	20 A	1	ROOM 311 - MICROWAVE	X
X	RECEPT - ROOM 302	1	20 A	3			0.54	1.08					4	20 A	1	ROOM 301 - RECEPT	XRW
X	RECEPT - ROOM 302 COUNTER	1	20 A	5						0.18	1.22		6	20 A	1	ROOM 301 - RECEPT	XRW
X	MICROWAVE - ROOM 302	1	20 A	7	0.18	0.36							8	20 A	1	ROOM 311 - RECEPT	X
XRW	RECEPT - ROOM 301	1	20 A	9			1.08	0.18					10	20 A	1	ROOM 311 - RECEPT	X
X	RECEPT - ROOM 316	1	20 A	11						0.90	0.54		12	20 A	1	ROOM 313 - RECEPT	X
X	RECEPT - ROOM 315	1	20 A	13	0.72	1.08							14	20 A	1	ROOM 313, 347 - RECEPT	X
X	RECEPT - ROOM 311 COUNTER	1	20 A	15			0.90	0.50					16	20 A	1	ROOM 301 - FUTURE RECEPT	XRW
X	RECEPT - ROOM 319	1	20 A	17						1.08	0.54		18	20 A	1	ROOM 314, 346, 347 - RECEPT	X
X	RECEPT - ROOM 317	1	20 A	19	0.90	0.83							20	20 A	1	ROOM 347 - RECEPT	X
X	RECEPT - ROOM 302	1	20 A	21			0.54	0.50					22	20 A	1	ROOM 302 - FUTURE RECEPT	XRW
XRW	RECEPT - ROOM 301	1	20 A	23						1.08	1.00		24	20 A	1	(4) TV'S	XRW
X	RECEPT - ROOM 301, 304, 306	1	20 A	25	0.90	0.86							26	20 A	1	ROOM 347 - RECEPT & FANS	XRW
X	RECEPT - ROOM 305, 308	1	20 A	27			0.18	1.20					28	20 A	1	ROOM 311 - SAUNA	N,G
X	RECEPT - ROOM 302	1	20 A	29						0.72	1.20		30	20 A	1	ROOM 311 - SAUNA	N,G
				31	0.00	1.20							32	20 A	1	ROOM 311 - SAUNA	N,G
X	PENTHOUSE PANEL	3	40 A	33			0.00	0.18					34	20 A	1	ROOM 347 - RECEPT	X
				35						0.00	0.72		36	20 A	1	ROOM 347 - RECEPT	X
X	ELEVATOR CAB LIGHTS	1	25 A	37	1.00	0.00							38	20 A	1	SPARE	XRW
X	RECEPT - ELEV EQ	1	20 A	39			0.18	0.90					40	20 A	1	ROOM 317 - RECEPT	X
XRW	RECEPT - ROOM 301	1	20 A	41						1.08	0.50		42	20 A	1	TCP	X
	CONNECTED AMPS:		76.75		8.93			7.96			10.76		**CONNECTED KVA:**			27.65	
	DEMAND LOAD AMPS:		58.11										**DEMAND KVA:**			20.94	

NOTES:

PANEL ERDP

VOLTAGE: 120/208 Wye
PH & WIRES: 3PH,4W
BUSSING... 400

MAINS TYPE: 400A M.C.B.
AIC RATING: EXISTING
MOUNTING: SURFACE

LOCATION: ELECTRICAL 308
FEEDER AMPACITY: 400
REMARKS: EXISTING EM PANEL TO REMAIN MODIFY AS INDICATED

NOTES	LOAD DESCRIPTION	P	AMP	CCT	KVA LOADS A		CCT	KVA LOADS B		CCT	KVA LOADS C		CCT	AMP	P	LOAD DESCRIPTION	NOTES
				1	0.00	0.00							2				
X	CU-103	3	20 A	3			0.00	0.00					4	20 A	3	CU-104	X
				5						0.00	0.00		6				
				7	3.10	4.86							8				
X	PANEL 'ERP1'	3	100 A	9			3.63	1.22					10	100 A	3	PANEL 'ERP3'	X
				11						3.64	4.22		12				
				13	5.18	0.00							14				
X	PANEL 'ERP2'	3	100 A	15			6.87	0.00					16	20 A	3	FIRE SHUTTERS	X
				17						5.40	0.00		18				
				19	0.00	0.00							20				
X	CU-106	2	20 A	21			0.00	0.00					22	20 A	2	CU-101	X
				23						0.00	0.00		24				
X	CU-102	2	20 A	25	0.00	0.00							26	20 A	2	CU-105	X
				27			0.00	0.00					28				
X	FC-101	2	50 A	29						0.00	0.00		30	50 A	2	FC-106	X
				31	0.00	0.00							32				
X	FC-105	2	40 A	33			0.00	0.00					34	40 A	2	FC-102	X
X	EXISTING LOAD OR SPARE	1	20 A	35						0.00	0.00		36	20 A	1	EXISTING LOAD	X
	SPACE	1	--	37	--	0.00							38	20 A	1	EXISTING LOAD	X
	SPACE	1	--	39			--	--					40	--	1	SPACE	
	SPACE	1	--	41						--	--		42	--	1	SPACE	
				43	0.00	--							44	--	1		
X	PANEL 'ERP4'	3	200 A	45			0.00	--					46	--	1		
				47						0.00	--		48	--	1		
	CONNECTED AMPS:		105.81		13.14			11.72			13.26		**CONNECTED KVA:**			38.12	
	DEMAND LOAD AMPS:		105.81										**DEMAND KVA:**			38.12	

NOTES:

PANEL ERP3

VOLTAGE: 120/208 Wye
PH & WIRES: 3PH,4W
BUSSING... 100

MAINS TYPE: 100A M.C.B.
AIC RATING: EXISTING
MOUNTING: SURFACE

LOCATION: ELECTRICAL 308
FEEDER AMPACITY: 95
REMARKS: EXISTING EM PANEL TO REMAIN MODIFY AS INDICATED

NOTES	LOAD DESCRIPTION	P	AMP	CCT	KVA LOADS PH A		CCT	KVA LOADS PH B		CCT	KVA LOADS PH C		CCT	AMP	P	LOAD DESCRIPTION	NOTES
X	RECEPT - A/V CLOSET 320	1	20 A	1	0.50	0.50							2	20 A	1	ACCESS CONTROL POWER SUPPLY	XRW
X	SMOKE DAMPER 2ND FLOOR	1	20 A	3			0.50	0.36					4	20 A	1	A/V CLOSET 333 - RECEPT	X
X	RECEPT - A/V CLOSET 325	1	20 A	5						0.72	0.00		6	20 A	1	EXISTING LOAD OR SPARE	X
X	RECEPT - A/V CLOSET 333	1	20 A	7	0.36	0.00							8	20 A	1	SPARE	
X	RECEPT - A/V CLOSET 325	1	20 A	9			0.36	0.00					10	20 A	1	SPARE	
N,L	LCP2	1	20 A	11						0.50	0.00		12	20 A	1	SPARE	
X	SMOKE DAMPER 2ND FLOOR	1	20 A	13	0.50	0.00							14	20 A	1	SPARE	
	SPARE	1	20 A	15			0.00	0.00					16	20 A	1	SPARE	
				17						3.00	0.00		18	20 A	1	SPARE	
X	BREAK ROOM RANGE	2	40 A	19	3.00	--							20	--	1	SPACE	
	SPACE	1	--	21			--	--					22	--	1	SPACE	
	SPACE	1	--	23						--	--		24	--	1	SPACE	
	SPACE	1	--	25	--	--							26	--	1	SPACE	
	SPACE	1	--	27			--	--					28	--	1	SPACE	
	SPACE	1	--	29						--	--		30	--	1	SPACE	
	CONNECTED AMPS:		28.59		4.86			1.22			4.22		**CONNECTED KVA:**			10.30	
	DEMAND LOAD AMPS:		28.59										**DEMAND KVA:**			10.30	

NOTES:

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CPED & KDPS Workplace Renovation
150 E Crosstown Parkway Kalamazoo MI 49001

Seal:

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ELECTRICAL PANEL SCHEDULES

E608

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GENERAL NOTES (TYPICAL ALL PANEL SCHEDULES)

A. PROVIDE NEW AND/OR REUSE EXISTING CIRCUIT BREAKERS TO MATCH PANEL SCHEDULES SHOWN FOR EXISTING PANELS TO BE REUSED. MATCH PANEL TYPE, MANUFACTURER, AND U.L. RATINGS.

PANEL SCHEDULE NOTES (TYPICAL ALL PANEL SCHEDULES)

C# = INDICATES CIRCUIT CONTROLLED BY CONTACTOR

G = INDICATES 5 mA TRIP GFCI TYPE CIRCUIT BREAKER
GE = INDICATES 30 mA TRIP GFCI TYPE CIRCUIT BREAKER

L = INDICATES LOCK-ON CIRCUIT BREAKER

ST = INDICATES SHUNT TRIP CIRCUIT BREAKER WITH 120 VOLT COIL

X = INDICATES EXISTING CIRCUIT TO REMAIN

N = INDICATES NEW CIRCUIT BREAKER TO BE INSTALLED MATCHING EXISTING PANEL LISTING

XRW = INDICATES EXISTING CIRCUIT BREAKER SHALL BE USED FOR NEW CIRCUIT OR MADE SPARE FOLLOWING DEMOLITION

XRL = INDICATES ADJUST EXISTING CIRCUIT BREAKER LOCATIONS AS REQUIRED FOR NEW 100A-3P CIRCUIT BREAKER

PANEL LP3

VOLTAGE: 480/277 Wye
PH & WIRES: 3PH,4W
BUSSING... 125
MAINS TYPE: LUGS ONLY
AIC RATING: EXISTING
MOUNTING: SURFACE
LOCATION: ELECTRICAL 344
FEEDER AMPACITY: EXISTING
REMARKS: EXISTING PANEL TO REMAIN MODIFY AS INDICATED

NOTES	LOAD DESCRIPTION	P	AMP	CCT	KVA LOADS PH A		PH B		PH C		CCT	AMP	P	LOAD DESCRIPTION	NOTES
XRW	LIGHTING - CPED WEST & SOUTH	1	20 A	1	2.61	0.00					2	20 A	1	SPARE	
XRW	SPARE	1	20 A	3			0.00	0.00			4	20 A	1	SPARE	
XRW	SPARE	1	20 A	5					0.00	--	6	--	1	SPACE	
XRW	SPARE	1	20 A	7	0.00	--					8	--	1	SPACE	
XRW	SPARE	1	20 A	9			0.00	--			10	--	1	SPACE	
XRW	SPARE	1	20 A	11					0.00	--	12	--	1	SPACE	
XRW	SPARE	1	20 A	13	0.00	--					14	--	1	SPACE	
XRW	LIGHTING - COMMUNITY ROOM	1	20 A	15			1.20	--			16	--	1	SPACE	
XRW	SPARE	1	20 A	17					0.00	--	18	--	1	SPACE	
XRW	SPARE	1	20 A	19	0.00	--					20	--	1	SPACE	
XRW	SPARE	1	20 A	21			0.00	--			22	--	1	SPACE	
XRW	LIGHTING - CPED EAST & NORTH	1	20 A	23					1.30	--	24	--	1	SPACE	
XRW	SPARE	1	20 A	25	0.00	--					26	--	1	SPACE	
XRW	LIGHTING - CPED CORRIDORS	1	20 A	27			1.36	--			28	--	1	SPACE	
	SPACE	1	--	29					--	--	30	--	1	SPACE	
	CONNECTED AMPS:	7.78			2.61		2.56		1.30		**CONNECTED KVA:**	6.47			
	DEMAND LOAD AMPS:	7.78									**DEMAND KVA:**	6.47			

NOTES:

PANEL RP3B

VOLTAGE: 120/208 Wye
PH & WIRES: 3PH,4W
BUSSING... 125
MAINS TYPE: LUGS ONLY
AIC RATING: MATCH PANEL 'RP3'
MOUNTING: SURFACE
LOCATION: ELEC 243
FEEDER AMPACITY: 95
REMARKS:

NOTES	LOAD DESCRIPTION	P	AMP	CCT	KVA LOADS PH A		PH B		PH C		CCT	AMP	P	LOAD DESCRIPTION	NOTES
G	VENDING MACHINE - ROOM 195	1	20 A	1	1.20	1.08					2	20 A	1	ROOM 261, 262 - RECEPT	
	VENDING MACHINE - ROOM 195	1	20 A	3			1.20	0.90			4	20 A	1	ROOM 257, 259 - RECEPT	
	VENDING MACHINE - ROOM 195	1	20 A	5					1.20	1.08	6	20 A	1	ROOM 258 - RECEPT	
	RECEPT - ROOM 194	1	20 A	7	0.54	0.72					8	20 A	1	ROOM 258 - RECEPT	
	RECEPT - ROOM 195	1	20 A	9			1.26	0.90			10	20 A	1	ROOM 215, 218 - RECEPT	
G	REFRIGERATOR - ROOM 196	1	20 A	11					0.50	0.68	12	20 A	1	ROOM 219 - RECEPT	
G	FREEZER - ROOM 196	1	20 A	13	0.50	0.72					14	20 A	1	ROOM 216 - RECEPT	
G	DISHWASHER - ROOM 196	1	20 A	15			0.50	0.72			16	20 A	1	ROOM 255 - RECEPT	
G	DISPOSAL - ROOM 196	1	20 A	17					0.70	0.54	18	20 A	1	ROOM 256 - RECEPT	
G	U.C. ICE MAKER- ROOM 196	1	20 A	19	0.50	0.50					20	20 A	1	LIT SIGNAGE	
G	MICROWAVE - ROOM 196	1	20 A	21			1.20	0.50			22	20 A	1	LIGHTBOX	
G	MICROWAVE - ROOM 196	1	20 A	23					1.20	0.05	24	20 A	1	WORK CAFE SCONCE - LIGHT	
G	RECEPT - ROOM 196	1	20 A	25	0.54	0.00					26	20 A	1	SPARE	
G	HOOD - ROOM 196	1	20 A	27			0.50	0.00			28	20 A	1	SPARE	
G	RANGE - ROOM 196	2	50 A	29					1.82	0.00	30	20 A	1	SPARE	
				31	1.82	0.00					32	20 A	1	SPARE	
	(3) TV'S	1	20 A	33			0.75	0.00			34	20 A	1	SPARE	
	CUH-04 & CUH-05	1	15 A	35					0.20	0.00	36	20 A	1	SPARE	
	RECEPT - ROOM 260, 263	1	20 A	37	0.90	--					38	--	1	SPACE	
	(2) TV'S	1	20 A	39			0.50	--			40	--	1	SPACE	
	RECEPT - ROOM 261	1	20 A	41					0.72	--	42	--	1	SPACE	
	CONNECTED AMPS:	73.94			9.02		8.93		8.69		**CONNECTED KVA:**	26.64			
	DEMAND LOAD AMPS:	59.72									**DEMAND KVA:**	21.52			

NOTES:
PROVIDE SOLID NEUTRAL BUS & GROUND BAR.
PROVIDE LUG SIZES AS REQUIRED FOR FEEDER SIZE SHOWN ON PARTIAL ONE-LINE DIAGRAM

PANEL RP6

VOLTAGE: 120/208 Wye
PH & WIRES: 3PH,4W
BUSSING... 225
MAINS TYPE: 225A M.C.B.
AIC RATING: EXISTING
MOUNTING: SURFACE
LOCATION: ELECTRICAL 344
FEEDER AMPACITY: 225
REMARKS: EXISTING PANEL TO REMAIN MODIFY AS INDICATED

NOTES	LOAD DESCRIPTION	P	AMP	CCT	KVA LOADS PH A		PH B		PH C		CCT	AMP	P	LOAD DESCRIPTION	NOTES
X	PANEL 'RP6B'	3	100 A	1	6.21	0.18					2	20 A	1	ROOM 336-C - PROJECTION SCREEN	XRW
				3			5.17	0.20			4	20 A	1	EWC	N,G
				5					6.07	0.72	6	20 A	1	ROOM 336, 336-B - RECEPT	X
XRW	ELLIPTICAL - ROOM 347	1	20 A	7	0.65	0.72					8	20 A	1	ROOM 334 - RECEPT	X
XRW	TREADMILL - ROOM 347	1	20 A	9			1.50	0.72			10	20 A	1	ROOM 341 - RECEPT	X
XRW	TREADMILL - ROOM 347	1	20 A	11					1.50	0.54	12	20 A	1	ROOM 336-B - RECEPT	XRW
X	RECEPT - ROOM 347	1	20 A	13	0.54	0.36					14	20 A	1	ROOM 341 - RECEPT	X
XRW	TREADMILL - ROOM 347	1	20 A	15			1.50	0.90			16	20 A	1	ROOM 343 - RECEPT	X
X	RECEPT - ROOM 336, 336-C	1	20 A	17					0.90	0.50	18	20 A	2	EXISTING LOAD OR SPARE	X
X	FLOOR RECEPT - ROOM 336-C	1	20 A	19	0.36	0.50					20				
X	FLOOR RECEPT - ROOM 336-C	1	20 A	21			0.36	0.50			22	20 A	2	EXISTING LOAD OR SPARE	X
X	RECEPT - ROOM 336, 336-C	1	20 A	23					0.90	0.50	24				
X	RECEPT - ROOM 326, 327, 328	1	20 A	25	0.54	0.36					26	20 A	1	ROOM 367 - RECEPT	XRW
XRW	LIT SIGNAGE	1	20 A	27			0.50	0.72			28	20 A	1	ROOM 339 - RECEPT	X
X	RECEPT - ROOM 329, 331	1	20 A	29					0.54	0.50	30	20 A	1	TOILET SENSORS	X
XRW	STAIR CLIMBER - ROOM 347	1	20 A	31	0.65	0.20					32	20 A	1	EWC	X
X	RECEPT - ROOM 336-B	1	20 A	33			0.36	0.50			34	20 A	1	ROOM 33X - FUTURE REFRIGERATOR	N,G
XRW	PROJECTION SCREEN - ROOM 336	1	20 A	35					0.18	0.75	36	20 A	1	(3) TV'S	XRW
X	FLOOR RECEPT - ROOM 336-B	1	20 A	37	0.18	0.75					38	20 A	1	(3) TV'S	XRW
XRW	FUTURE RECEPT - ROOM 347	1	20 A	39			1.00	0.50			40	20 A	1	TCP	X
XRW	PROJECTION SCREEN - ROOM 336-B	1	20 A	41					0.18	--	42	--	1	SPACE	
	CONNECTED AMPS:	112.19			12.20		14.43		13.78		**CONNECTED KVA:**	40.42			
	DEMAND LOAD AMPS:	96.37									**DEMAND KVA:**	34.72			

NOTES:

PANEL RP6B

VOLTAGE: 120/208 Wye
PH & WIRES: 3PH,4W
BUSSING... 100
MAINS TYPE: 100A M.C.B.
AIC RATING: EXISTING
MOUNTING: SURFACE
LOCATION: ELECTRICAL 344
FEEDER AMPACITY: 95
REMARKS: EXISTING PANEL TO REMAIN MODIFY AS INDICATED

NOTES	LOAD DESCRIPTION	P	AMP	CCT	KVA LOADS PH A		PH B		PH C		CCT	AMP	P	LOAD DESCRIPTION	NOTES
X	EXISTING LOAD OR SPARE	2	30 A	1	1.00	0.72					2	20 A	1	ROOM 388 - RECEPT	X
				3			1.00	0.72			4	20 A	1	ROOM 389 - RECEPT	X
X	RECEPT - ROOM 374	1	20 A	5					0.72	1.44	6	20 A	1	ROOM 364 - RECEPT	X
X	RECEPT - ROOM 374, 375	1	20 A	7	0.72	0.36					8	20 A	1	ROOM 382 - RECEPT	X
X	RECEPT - ROOM 377	1	20 A	9			0.36	0.36			10	20 A	1	ROOM 392 - RECEPT	X
X	RECEPT - ROOM 377	1	20 A	11					0.36	0.36	12	20 A	1	ROOM 392 - SCREEN	X
X	RECEPT - ROOM 377	1	20 A	13	0.36	0.36					14	20 A	1	ROOM 392 - RECEPT	X
X	RECEPT - ROOM 377	1	20 A	15			0.36	0.50			16	20 A	1	ROOM 336-C - PROJECTOR	XRW
X	RECEPT - ROOM 377	1	20 A	17					0.36	0.50	18	20 A	1	ROOM 336 - PROJECTOR	XRW
X	RECEPT - ROOM 377 & EWC	1	20 A	19	0.50	0.50					20	20 A	1	ROOM 336-B - PROJECTOR	XRW
X	EXISTING LOAD OR SPARE	1	20 A	21			0.00	0.00			22	20 A	1	SPARE	
X	EXISTING LOAD OR SPARE	1	20 A	23					0.00	1.15	24				
X	RECEPT - ABOVE SINK ROOM 379	1	20 A	25	0.54	1.15					26	20 A	3	(2) OPERABLE PARTITIONS	N
X	RECEPT - ROOM 383	1	20 A	27			0.72	1.15			28				
X	RECEPT - ROOM 387, 388, HALL	1	20 A	29					1.08	0.10	30	20 A	1	TOILET SENSORS	X
	CONNECTED AMPS:	48.46			6.21		5.17		6.07		**CONNECTED KVA:**	17.46			
	DEMAND LOAD AMPS:	48.46									**DEMAND KVA:**	17.46			

NOTES:

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Seal:

BID Set 08/21/2025

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ELECTRICAL PANEL SCHEDULES

E609

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GENERAL NOTES (TYPICAL ALL PANEL SCHEDULES)

A. PROVIDE NEW AND/OR REUSE EXISTING CIRCUIT BREAKERS TO MATCH PANEL SCHEDULES SHOWN FOR EXISTING PANELS TO BE REUSED. MATCH PANEL TYPE, MANUFACTURER, AND U.L. RATINGS.

PANEL SCHEDULE NOTES (TYPICAL ALL PANEL SCHEDULES)

C# = INDICATES CIRCUIT CONTROLLED BY CONTACTOR

G = INDICATES 5 mA TRIP GFCI TYPE CIRCUIT BREAKER
GE = INDICATES 30 mA TRIP GFCI TYPE CIRCUIT BREAKER

L = INDICATES LOCK-ON CIRCUIT BREAKER

ST = INDICATES SHUNT TRIP CIRCUIT BREAKER WITH 120 VOLT COIL

X = INDICATES EXISTING CIRCUIT TO REMAIN

N = INDICATES NEW CIRCUIT BREAKER TO BE INSTALLED MATCHING EXISTING PANEL LISTING

XRW = INDICATES EXISTING CIRCUIT BREAKER SHALL BE USED FOR NEW CIRCUIT OR MADE SPARE FOLLOWING DEMOLITION

XRL = INDICATES ADJUST EXISTING CIRCUIT BREAKER LOCATIONS AS REQUIRED FOR NEW 100A-3P CIRCUIT BREAKER

PANEL ELDP

VOLTAGE: 480/277 Wye
PH & WIRES: 3PH,4W
BUSSING... 125
MAINS TYPE: LUGS ONLY
AIC RATING: EXISTING
MOUNTING: SURFACE
LOCATION: ELECTRICAL 308
FEEDER AMPACITY: 60
REMARKS: EXISTING EM PANEL TO REMAIN MODIFY AS INDICATED

NOTES	LOAD DESCRIPTION	P	AMP	CCT	KVA LOADS PH A		PH B		PH C		CCT	AMP	P	LOAD DESCRIPTION	NOTES
				1	1.28	1.33					2				
X	PANEL 'ELP3'	3	40 A	3			3.37	2.38			4	40 A	3	PANEL 'ELP1'	X
				5					1.24	0.00	6				
				7	1.98	--					8				
X	PANEL 'ELP2'	3	40 A	9			1.89	--			10	--	3	PANEL 'ELP4'	X
				11					1.00	--	12				
	SPACE	1	--	13	--	--					14	--	1	SPACE	
	SPACE	1	--	15			--	--			16	--	1	SPACE	
	SPACE	1	--	17					--	--	18	--	1	SPACE	
	CONNECTED AMPS:	17.40			4.59		7.65		2.24		**CONNECTED KVA:**	14.47			
	DEMAND LOAD AMPS:	17.40									**DEMAND KVA:**	14.47			
	NOTES:														

PANEL ELP1

VOLTAGE: 480/277 Wye
PH & WIRES: 3PH,4W
BUSSING... 60
MAINS TYPE: 60A M.C.B.
AIC RATING: EXISTING
MOUNTING: SURFACE
LOCATION: ELEC 121
FEEDER AMPACITY: 55
REMARKS: EXISTING EM PANEL TO REMAIN MODIFY AS INDICATED

NOTES	LOAD DESCRIPTION	P	AMP	CCT	KVA LOADS PH A		PH B		PH C		CCT	AMP	P	LOAD DESCRIPTION	NOTES
XRW	EM/NL LIGHTING - CPED	1	20 A	1	1.33	0.00					2	20 A	1	SPARE	
XRW	EM LIGHTING - CPED	1	20 A	3			2.38	0.00			4	20 A	1	SPARE	
	SPARE	1	20 A	5					0.00	0.00	6	20 A	1	SPARE	
XRW	SPARE	1	20 A	7	0.00	--					8	--	1	SPACE	
XRW	SPARE	1	20 A	9			0.00	--			10	--	1	SPACE	
XRW	SPARE	1	20 A	11					0.00	--	12	--	1	SPACE	
	SPACE	1	--	13	--	--					14	--	1	SPACE	
	SPACE	1	--	15			--	--			16	--	1	SPACE	
	SPACE	1	--	17					--	--	18	--	1	SPACE	
	CONNECTED AMPS:	4.46			1.33		2.38		0.00		**CONNECTED KVA:**	3.71			
	DEMAND LOAD AMPS:	4.46									**DEMAND KVA:**	3.71			
	NOTES:														

PANEL ELP2

VOLTAGE: 480/277 Wye
PH & WIRES: 3PH,4W
BUSSING... 125
MAINS TYPE: LUGS ONLY
AIC RATING: EXISTING
MOUNTING: SURFACE
LOCATION: ELEC 243
FEEDER AMPACITY: 40
REMARKS: EXISTING EM PANEL TO REMAIN MODIFY AS INDICATED

NOTES	LOAD DESCRIPTION	P	AMP	CCT	KVA LOADS PH A		PH B		PH C		CCT	AMP	P	LOAD DESCRIPTION	NOTES
XRW	EM/NL LIGHTING - KDPS	1	20 A	1	0.66	0.32					2	20 A	1	EXTERIOR LIGHTS	N
X	LIGHTING - ROOM 192,200,211	1	20 A	3			1.00	--			4	--	1	SPACE	
X	LIGHTING - ROOM 187, 196	1	20 A	5					1.00	--	6	--	1	SPACE	
X	LIGHTING - HALLWAYS	1	20 A	7	1.00	--					8	--	1	SPACE	
N	EM LIGHTING - KDPS	1	20 A	9			0.89	--			10	--	1	SPACE	
	SPARE	1	20 A	11					0.00	--	12	--	1	SPACE	
	SPACE	1	--	13	--	--					14	--	1	SPACE	
	SPACE	1	--	15			--	--			16	--	1	SPACE	
	SPACE	1	--	17					--	--	18	--	1	SPACE	
	CONNECTED AMPS:	5.87			1.98		1.89		1.00		**CONNECTED KVA:**	4.88			
	DEMAND LOAD AMPS:	5.87									**DEMAND KVA:**	4.88			
	NOTES:														

PANEL ELP3

VOLTAGE: 480/277 Wye
PH & WIRES: 3PH,4W
BUSSING... 125
MAINS TYPE: LUGS ONLY
AIC RATING: EXISTING
MOUNTING: SURFACE
LOCATION: ELECTRICAL 308
FEEDER AMPACITY: 40
REMARKS: EXISTING EM PANEL TO REMAIN MODIFY AS INDICATED

NOTES	LOAD DESCRIPTION	P	AMP	CCT	KVA LOADS PH A		PH B		PH C		CCT	AMP	P	LOAD DESCRIPTION	NOTES
XRW	EM/NL LIGHTING - CPED	1	20 A	1	1.28	0.00					2	20 A	1	SPARE	
XRW	EM LIGHTING - CPED NORTH	1	20 A	3			3.37	0.00			4	20 A	1	SPARE	
XRW	EM LIGHTING - CPED SOUTH	1	20 A	5					1.24	0.00	6	20 A	1	SPARE	
	SPARE	1	20 A	7	0.00	--					8	--	1	SPACE	
	SPACE	1	--	9			--	--			10	--	1	SPACE	
	SPACE	1	--	11					--	--	12	--	1	SPACE	
	SPACE	1	--	13	--	--					14	--	1	SPACE	
	SPACE	1	--	15			--	--			16	--	1	SPACE	
	SPACE	1	--	17					--	--	18	--	1	SPACE	
	CONNECTED AMPS:	7.08			1.28		3.37		1.24		**CONNECTED KVA:**	5.89			
	DEMAND LOAD AMPS:	7.08									**DEMAND KVA:**	5.89			
	NOTES:														

PANEL ELP5

VOLTAGE: 480/277 Wye
PH & WIRES: 3PH,4W
BUSSING... 125
MAINS TYPE: 50A M.C.B.
AIC RATING: EXISTING
MOUNTING: SURFACE
LOCATION: ELEC 243
FEEDER AMPACITY: 50
REMARKS: EXISTING EM PANEL TO REMAIN MODIFY AS INDICATED

NOTES	LOAD DESCRIPTION	P	AMP	CCT	KVA LOADS PH A		PH B		PH C		CCT	AMP	P	LOAD DESCRIPTION	NOTES
X	LIGHTING - ROOM 209, 246, 247	1	20 A	1	1.00	--					2	--	1	SPACE	
X	LIGHTING - ROOM 224	1	20 A	3			1.00	--			4	--	1	SPACE	
X	LIGHTING - ROOM...	1	20 A	5					1.00	--	6	--	1	SPACE	
				7	16.24	--					8	--	1	SPACE	
X	PANEL 'ERP5' (VIA 45KVA XFMR)	3	50 A	9			16.24	--			10	--	1	SPACE	
				11					11.60	--	12	--	1	SPACE	
	SPACE	1	--	13	--	--					14	--	1	SPACE	
	SPACE	1	--	15			--	--			16	--	1	SPACE	
	SPACE	1	--	17					--	--	18	--	1	SPACE	
	SPACE	1	--	19	--	--					20	--	1	SPACE	
	SPACE	1	--	21			--	--			22	--	1	SPACE	
	SPACE	1	--	23					--	--	24	--	1	SPACE	
	SPACE	1	--	25	--	--					26	--	1	SPACE	
	SPACE	1	--	27			--	--			28	--	1	SPACE	
	SPACE	1	--	29					--	--	30	--	1	SPACE	
	CONNECTED AMPS:	56.63			17.24		17.24		12.60		**CONNECTED KVA:**	47.08			
	DEMAND LOAD AMPS:	56.63									**DEMAND KVA:**	47.08			
	NOTES:														

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CPED & KDPS Workplace Renovation
150 E Crosstown Parkway Kalamazoo MI 49001

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ELECTRICAL PANEL SCHEDULES

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LEGEND

LIGHT FIXTURE TYPE
PANEL & CIRCUIT #
5A / X-X 21 — LIGHTING CONTROL PANEL 'LCP1' ZONE

GENERAL NOTES:

A. ALL HOMERUNS SHALL BE #12 AWG + GND IN 3/4" CONDUIT MINIMUM. INCREASE WIRE SIZE PER VOLTAGE DROP TABLE.

B. ALL LIGHTING CIRCUITS SHALL HAVE INDIVIDUAL NEUTRAL CONDUCTORS CONTINOUS FROM PANEL.

C. THE EXACT LOCATION OF ALL LIGHT FIXTURES SHALL BE AS SHOWN ON THE ARCHITECT'S SITE PLAN.

VOLTAGE DROP SCHEDULE

120 VOLT BRANCH CIRCUITS UP TO 10 AMPS

TOTAL WIRE LENGTH (FEET)			WIRE SIZE (AWG)
1'	-	100'	#12
101'	-	150'	#10
151'	-	240'	#8
241'	-	380'	#6

120 VOLT BRANCH CIRCUITS UP TO 14 AMPS

TOTAL WIRE LENGTH (FEET)			WIRE SIZE (AWG)
1'	-	75'	#12
76'	-	115'	#10
116'	-	185'	#8
186'	-	290'	#6

277 VOLT BRANCH CIRCUITS UP TO 16 AMPS

TOTAL WIRE LENGTH (FEET)			WIRE SIZE (AWG)
1'	-	140'	#12
141'	-	225'	#10
226'	-	345'	#8
346'	-	546'	#6

MINIMUM BRANCH CIRCUIT WIRING IS #12 AWG. CONTRACTOR SHALL INCREASE WIRE SIZE BASED ON SCHEDULE ABOVE.

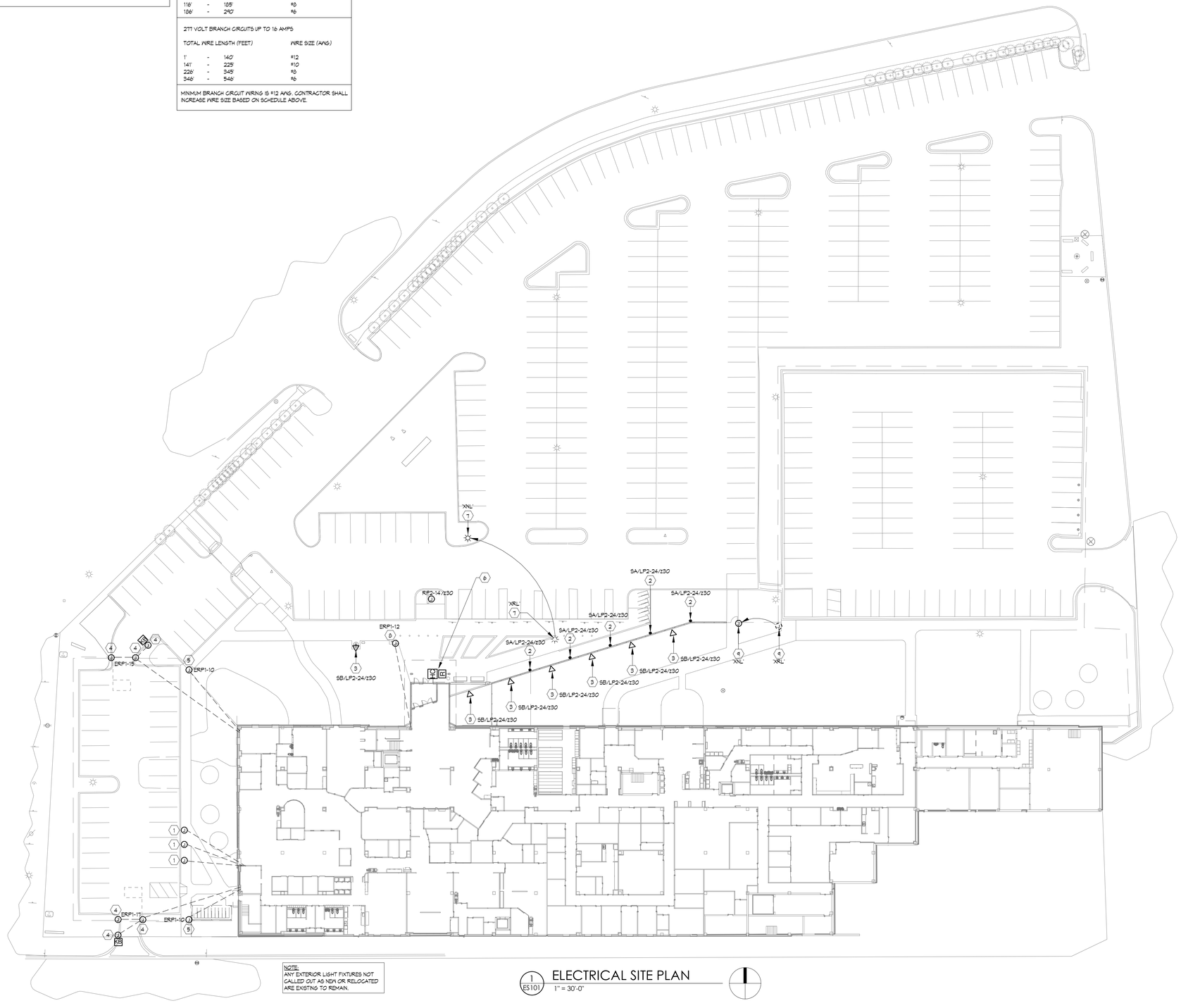
BRANCH CIRCUITING GENERAL NOTES

A. ON 20 AMP, 1 POLE CIRCUITS, HOMERUNS SHALL BE 2 #12 AWG + GND IN 3/4" CONDUIT MINIMUM. INCREASE WIRE SIZE PER VOLTAGE DROP TABLE.

B. ALL CIRCUITS SHALL HAVE INDIVIDUAL NEUTRAL CONDUCTORS CONTINUOUS FROM PANEL. SHARED NEUTRALS ARE NOT PERMITTED.

CODED NOTES

1. PROVIDE 1-1/2"G. WITH PULLSTRING BELOW GRADE AND TERMINATE IN FLUSH WITH GRADE JUNCTION BOX. CONDUIT SHALL RISE UP IN NEW PARTITION WALL AND EXTEND TO JOIST SPACE. LABEL BOX AND CONDUIT AS FUTURE EV.
2. SEE ARCHITECTURAL DRAWINGS FOR POLE BASE DETAIL. ELECTRICAL CONTRACTOR TO LOCATE EXISTING AND NEW UNDERGROUND UTILITIES PRIOR TO SETTING NEW POLE BASE.
3. FIXTURE TYPE 'SB' SHALL BE WALL MOUNTED ON VERTICAL SURFACE - CONCEAL ALL CONDUIT IN WALL.
4. FOR POWER AND DATA FEEDS TO NEW MOTORIZED ROLLING SECURITY GATE WITH CARD SCANNER, ROUTE CONDUITS BELOW GRADE AND THEN STUB UP IN NEW FULL HEIGHT PARTITION WALL. POWER CONDUIT TO HOMERUN TO INDICATED PANEL FROM THERE. DATA CONDUIT TO BE STUBBED ABOVE CEILING. PROVIDED WITH GROMMET, PULLSTRING AND LABEL FOR USE BY LOW VOLTAGE INSTALLER. POWER CONDUIT TO BE 1-1/2", AND DATA CONDUIT TO BE 1". PROVIDE ALL WIRING AND FINAL CONNECTIONS FOR A COMPLETE, OPERABLE SYSTEM. PROVIDE GROUND LOOPS AS REQUIRED, REFER TO MANUFACTURER'S DETAILS.
5. FOR POWER AND DATA FEEDS TO NEW SECURE MAN GATE WITH KEY CARD ACCESS, ROUTE CONDUITS BELOW GRADE AND THEN STUB UP IN NEW FULL HEIGHT PARTITION WALL. POWER CONDUIT TO HOMERUN TO INDICATED PANEL FROM THERE. DATA CONDUIT TO BE STUBBED ABOVE CEILING. PROVIDED WITH GROMMET, PULLSTRING AND LABEL FOR USE BY LOW VOLTAGE INSTALLER. POWER CONDUIT TO BE 1-1/2", AND DATA CONDUIT TO BE 1". PROVIDE ALL WIRING AND FINAL CONNECTIONS FOR A COMPLETE, OPERABLE SYSTEM.
6. EXTERIOR ACTUATOR AND CARD READER LOCATED ON POST. REFER TO DRAWING E200 FOR DETAILS.
7. EXISTING LIGHTPOST SHALL BE RELOCATED TO APPROXIMATE NEW LOCATION AS SHOWN BY E.C. EXTEND EXISTING POWER AND CONTROLS TO NEW LOCATION. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
8. FOR POWER AND DATA FEEDS TO NEW EMERGENCY CALL PEDESTAL WITH BLUE LIGHT, ROUTE CONDUITS BELOW GRADE AND THEN STUB UP IN NEW FULL HEIGHT PARTITION WALL. POWER CONDUIT TO HOMERUN TO INDICATED PANEL FROM THERE. DATA CONDUIT TO BE STUBBED ABOVE CEILING, PROVIDED WITH GROMMET, PULLSTRING AND LABEL FOR USE BY LOW VOLTAGE INSTALLER. POWER CONDUIT TO BE 1-1/2", AND DATA CONDUIT TO BE 1". PROVIDE ALL WIRING AND FINAL CONNECTIONS FOR A COMPLETE, OPERABLE SYSTEM.
9. EXISTING MAN GATE SHALL BE RELOCATED TO APPROXIMATE NEW LOCATION AS SHOWN BY S.C. E.C. SHALL EXTEND EXISTING POWER AND CONTROLS TO NEW LOCATION. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.



NOTE:
ANY EXTERIOR LIGHT FIXTURES NOT CALLED OUT AS NEW OR RELOCATED ARE EXISTING TO REMAIN.

1 ES101 ELECTRICAL SITE PLAN
1" = 30'-0"

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ELECTRICAL SITE PLAN

ES101

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PLUMBING SYMBOL LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
(E)	EXISTING PIPING (TO REMAIN)		PRESSURE REGULATING VALVE
	PIPING TO BE REMOVED		PRESSURE RELIEF VALVE WITH PIPED DISCHARGE
BBD	BOILER BLOWDOWN		PRESSURE/TEMP. RELIEF VALVE
CD	CONDENSATE DRAIN		CHECK VALVE
CHWS	CHILLED WATER SUPPLY		SILENT CHECK VALVE
CHWR	CHILLED WATER RETURN	FL	FUSEABLE LINK VALVE
CL	CHLORINATED WATER	TS	GATE VALVE WITH TAMPER SWITCH
CW	POTABLE COLD WATER		FLOW METER
DE	DEIONIZED WATER		STRAINER
DI	DISTILLED WATER		STRAINER WITH BLOWDOWN and VALVE
DWR	CHILLED DRINKING WATER RETURN		PLUG VALVE
DWS	CHILLED DRINKING WATER SUPPLY		DOUBLE CHECK BACKFLOW PREVENTER
F	FIRE PROTECTION SUPPLY		REDUCED PRESSURE BACKFLOW PREVENTER
GHHR	GLYCOL HEAT RECLAIM RETURN		VALVE IN DROP
GHRS	GLYCOL HEAT RECLAIM SUPPLY		VALVE IN RISER
GR	GLYCOL RETURN		CAP ON END OF PIPE
GS	GLYCOL SUPPLY		PIPE ANCHOR
HG	REFRIGERANT HOT GAS		PIPE GUIDE
HHWR	HEATING HOT WATER RETURN		TEMP/PRESSURE TEST PLUG
HHWS	HEATING HOT WATER SUPPLY		PRESSURE GAUGE
HPC	HIGH PRESSURE CONDENSATE		PRESSURE GAUGE W/ STOPCOCK
HPS	HIGH PRESSURE STEAM		PRESSURE GAUGE WITH PIGTAIL & STOPCOCK
HW	POTABLE HOT WATER		THERMOMETER
HWR	POTABLE HOT WATER RETURN		TESTWELL
ID	INDIRECT DRAIN	FS	FLOW SWITCH
LPR	LOW PRESSURE CONDENSATE	PS	PRESSURE SWITCH
LPS	LOW PRESSURE STEAM		AQUASTAT
MPC	MED PRESS COND	A	WATER HAMMER ARRESTOR W/ PDI SIZE
MPS	MED PRESS STM		CONCENTRIC REDUCER
NG	NATURAL GAS - LOW PRESSURE		ECCENTRIC REDUCER
S	SPRINKLER SYSTEM DRAIN		SCREWED UNION
SAN	SOIL, WASTE, OR SANITARY SEWER		DIRECTION OF FLOW
SSD	SUB-SOIL DRAIN, FOOTING DRAIN		MANUAL AIR VENT
ST	STORM DRAIN		AIR CHAMBER
STM	STEAM		RISER DOWN (ELBOW)
SW	SOFT COLD WATER		RISE OR DROP (IN PIPING)
V	SANITARY VENT		RISER UP (ELBOW)
	DIRT LEG		RISER UP (IN PIPING)
	DRIP AND TRAP		DROP (IN PIPING)
	EXPANSION JOINT		BRANCH - BOTTOM CONNECTION
	FLEXIBLE CONNECTION		BRANCH - TOP CONNECTION
	RUPTURE DISK		BRANCH - SIDE CONNECTION
	VERTICAL GATE VALVE		ELBOW
	GATE VALVE		PIPING BREAK
	GLOBE VALVE		CLEANOUT PLUG
	BALL VALVE		FLOOR DRAIN
	GATE VALVE O.S.&Y		ROOF DRAIN
	ANGLE VALVE		HOSEBIBB, WALL HYDRANT
	BUTTERFLY VALVE	M	METER
	BUTTERFLY VALVE W/ CONTROLLER	DP	DIFFERENTIAL PRESSURE SENSOR
	SUPERVISED VALVE	SP	STATIC PRESSURE SENSOR
	GAS COCK		PENDANT TYPE SPRINKLER HEAD
	BALANCING VALVE		UPRIGHT TYPE SPRINKLER HEAD
A	AUTO. FLOW, SELF BALANCING VALVE		SIDEWALL TYPE SPRINKLER HEAD
	2-WAY MODULATING VALVE		DRY TYPE SPRINKLER HEAD
	2-WAY 2-POSITION CONTROL VALVE		CONCEALED TYPE SPRINKLER HEAD
S	SOLENOID OPERATED VALVE		FIRE DEPARTMENT CONNECTION, WALL SIAMESE
	3-WAY MODULATING VALVE		FIRE HYDRANT
	3-WAY CONTROL VALVE		ALARM CHECK VALVE
	SELF-OPERATED VALVE		DRY PIPE VALVE
	GAS PRESSURE REGULATOR		VALVE IN YARD BOX
		FHC	FIRE HOSE CABINET (EXISTING)
			FIRE HOSE RACK (EXISTING)
			CONNECT TO EXISTING

PLUMBING ABBREVIATIONS

ABV	ABBREVIATION	ABV	ABBREVIATION
A	AMPERE	KEC	KITCHEN EQUIPMENT CONTRACTOR
A/C	AIR CONDITIONER	KVA	KILOVOLT AMPERE
A/E	ARCHITECT ENGINEER	KW	KILOWATT
AAV	AUTOMATIC AIR VENT	KWh	KILOWATT HOURS
ABV	ABOVE		
AC	ALTERNATING CURRENT / AIR CONDITIONING		
AFF	ABOVE FINISHED FLOOR	LA	LABORATORY AIR
AFG	ABOVE FINISHED GRADE	LAT	LEAVING AIR TEMPERATURE
AHJ	AUTHORITY HAVING JURISDICTION	LAV	LAVATORY
AHU	AIR HANDLING UNIT	LB	POUNDS
AIP	ABANDON IN PLACE	LB/H	POUNDS PER HOUR
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	LDB	LEAVING DRY BULB TEMPERATURE
APD	AIR PRESSURE DROP	LIN	LINEAL / LINEAR
APPROX	APPROXIMATE	LPR	LOW PRESSURE RETURN
AQ	AQUASTAT	LPS	LOW PRESSURE SUPPLY
ARCH	ARCHITECTURE	LVG	LEAVING
ASPE	AMERICAN SOCIETY OF PLUMBING ENGINEERS		
ATM	ATMOSPHERE		
AUTO	AUTOMATIC	MAX	MAXIMUM
AUX	AUXILIARY	MB	MOP BASIN
AV	ACID VENT	MBH	THOUSAND BTUS PER HOUR
AVG	AVERAGE	MC	MECHANICAL CONTRACTOR
AW	ACID WASTE	MCA	MINIMUM CURRENT AMPACITY
AWT	AVERAGE WATER TEMPERATURE	MECH	MECHANICAL
		MIN	MINIMUM
		MOCP	MAXIMUM OVERCURRENT PROTECTION
B	BOILER	MOV	MOTOR OPERATED VALVE
BAS	BUILDING AUTOMATION SYSTEM	MPG	MEDIUM PRESSURE GAS
BLDG	BUILDING		
BP	BOOSTER PUMP		
BTU	BRITISH THERMAL UNIT	#	NUMBER
BTUH	BRITISH THERMAL UNIT PER HOUR	NEC	NATIONAL ELECTRICAL CODE
BTW	BETWEEN	NFC	NATIONAL FIRE CODE
		NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
		NG	NATURAL GAS
°C	DEGREES CENTIGRADE	NIC	NOT IN CONTRACT
CA	COMPRESSED AIR	NPSH	NET POSITIVE SUCTION HEAD
CAP	CAPACITY	NSF	NATIONAL SANITATION FOUNDATION
CD	CONDENSATE DRAIN	NTS	NOT TO SCALE
CFM	CUBIC FEET PER MINUTE		
CLR	CLEAR		
CLG	CEILING	O2	OXYGEN
CM	CONSTRUCTION MANAGER	OC	ON CENTER
CO	CLEANOUT / CARBON MONOXIDE	OD	OUTSIDE DIAMETER
COND	CONDENSATE	O/H	OVERHEAD
CONT	CONTINUOUS / CONTINUATION	OPNG	OPENING
CT	COOLING TOWER	ORD	OVERFLOW ROOF DRAIN
CTR	CENTER		
CU	CONDENSING UNIT		
CUH	CABINET UNIT HEATER	%	PERCENT
CW	COLD WATER	P	PUMP
		PC	PLUMBING CONTRACTOR
		PD	PRESSURE DROP
DBL	DOUBLE	PG	PRESSURE GAUGE
DEG	DEGREES	PH	PHASE
DEMO	DEMOLISH	PRES	PRESSURE
DET	DETAIL	PRV	PRESSURE REDUCTION VALVE
DF	DRINKING FOUNTAIN	PS	PRESSURE SWITCH
DIA	DIAMETER		
DWH	DOMESTIC WATER HEATER		
DISCH	DISCHARGE	QTY	QUANTITY
DN	DOWN		
DW	DRINKING WATER		
DWG	DRAWING	R	RADIUS
DWP	DOMESTIC WATER PUMP	RA	RETURN AIR
DX	DIRECT EXPANSION	RAD	RADIATION
		RD	ROOF DRAIN
		RECIRC	RECIRCULATION
EA	EACH	REQ	REQUIRED
EC	ELECTRICAL CONTRACTOR	REV	REVISION
EFF	EFFICIENCY	REX	REMOVE EXISTING
EL	ELEVATION	RM	ROOM
ELEC	ELECTRICAL	RPM	REVOLUTIONS PER MINUTE
EQUIP	EQUIPMENT		
ETR	EXISTING TO REMAIN		
EWB	ENTERING WET BULB TEMPERATURE	SAN	SANITARY
EWC	ELECTRIC WATER COOLER	SCHED	SCHEDULE
EXIST	EXISTING	SEC	SECONDS / SECONDARY
EXT	EXTERIOR	SECT	SECTION
		SF	SUPPLY FAN / SQUARE FOOT (FEET)
		SH	SHOWER
°F	DEGREES FAHRENHEIT	SLV	SLEEVE
FCU	FAN COIL UNIT	SP	STATIC PRESSURE / SUMP PUMP
FD	FLOOR DRAIN / FIRE DAMPER	SPEC	SPECIFICATIONS
FDC	FIRE DEPARTMENT CONNECTION	SPR	SPRINKLER
FDV	FIRE DEPARTMENT VALVE	SQ	SQUARE
FIN	FINISH(ED)	SS	SANITARY STACK / STAINLESS STEEL
FLA	FULL LOAD AMPERES	SSD	SUBSOIL DRAIN
FLEX	FLEXIBLE	ST	STORM
FLR	FLOOR	STD	STANDARD
FP	FIRE PUMP	STM	STEAM
FPM	FEET PER MINUTE	STRUC	STRUCTURAL
FPS	FEET PER SECOND	SUCT	SUCTION
FSD	FIRE/SMOKE DAMPER	SUSP	SUSPEND(ED)
FSP	FIRE STANDPIPE	SYS	SYSTEM
FT	FINNED TUBE RADIATOR		
FUT	FUTURE		
		TEMP	TEMPERATURE
		THRU	THROUGH
GC	GENERAL CONTRACTOR	TOT	TOTAL
GPM	GALLONS PER MINUTE		
GW	GREASE WASTE		
GWH	GAS WATER HEATER	UG	UNDERGROUND
		UH	UNIT HEATER
		UON	UNLESS OTHERWISE NOTED
HB	HOSE BIBB	UR	URINAL
HD	HEAD		
HKP	HOUSEKEEPING		
HOA	HAND / OFF / AUTO	V	VENT / VOLTS
HORIZ	HORIZONTAL	VAC	VACUUM
HP	HORSEPOWER / HEAT PUMP	VB	VACUUM BREAKER
HPG	HIGH PRESSURE GAS	VEL	VELOCITY
HT	HEIGHT	VERT	VERTICAL
HTG	HEATING	VFD	VARIABLE FREQUENCY DRIVE
HUM	HUMIDIFIER	VOL	VOLUME
HVAC	HEATING VENTILATION & AIR CONDITIONING	VTR	VENT THROUGH ROOF
HW	HOT WATER		
HWR	HOT WATER RETURN		
HZ	HERTZ (CYCLES PER SECOND)	W	WATT
		WB	WET BULB TEMPERATURE
ID	INSIDE DIAMETER	WC	WATER CLOSET
INWG	INCHES WATER COLUMN	WG	WATER GAUGE
INHG	INCHES MERCURY	WH	WALL HYDRANT / WALL HEATER / WATER HEATER
INSUL	INSULATION	WO	WASTE OIL
INV	INVERT	WOV	WASTE OIL VENT
		WPD	WATER PRESSURE DROP
		WST	WASTE
JAN	JANITOR	WT	WEIGHT

GENERAL NOTES

1. FABRICATION AND INSTALLATION OF WORK SHALL COMPLY WITH ALL APPLICABLE CODES AND STANDARDS. ALL WORK MUST BE MOUNTED HIGH SO AS TO MAINTAIN AN APPROPRIATE CLEARANCE ABOVE THE FINISHED FLOOR OR CEILING WHILE MAINTAINING SERVICEABILITY TO EQUIPMENT, VALVES, ETC.
2. ALL CONTRACT DOCUMENTS ARE DIAGRAMMATIC AND INDICATE THE GENERAL ARRANGEMENTS OR GEOMETRICAL RELATIONSHIPS OR EQUIPMENT AND SERVICES. THEY ARE NOT INTENDED TO SPECIFY OR SHOW EVERY OFFSET, SEQUENCE, DEVICE, OPTION, FITTING, COMPONENT, ETC REQUIRED FOR COMPLETE INSTALLATION.
3. COORDINATE PLACEMENT OF ALL PLUMBING RELATED EQUIPMENT AND DEVICES WITH OTHER TRADES. DO NOT POSITION OR INSTALL ANY PLUMBING EQUIPMENT OR DEVICES IN ANY SYSTEM IN SUCH A WAY THAT IT WILL BE INACCESSIBLE OR UN-MAINTAINABLE AFTER CONSTRUCTION IS COMPLETED.
4. ALL MATERIALS EXPOSED WITHIN PLENUMS SHALL BE NON-COMBUSTIBLE OR SHALL HAVE A FLAME SPREAD INDEX OF NOT MORE THAN 25 AND A SMOKE-DEVELOPED INDEX OF NOT MORE THAN 50 WHEN TESTED IN ACCORDANCE WITH ASTM 84.
5. INFORMATION AND COMPONENTS SHOWN ON DIAGRAMS, DETAILS, OR IN THE SPECIFICATIONS BUT NOT SHOWN ON THE PLANS, AND VICE VERSA, MUST BE PROVIDED AS IF EXPRESSLY REQUIRED BY BOTH.
6. "FURNISH" SHALL BE DEFINED AS TO SUPPLY AND DELIVER TO THE PROJECT SITE. READY FOR UNLOADING, UNPACKING, ASSEMBLY, INSTALLATION AND SIMILAR OPERATIONS. "INSTALL" SHALL BE DEFINED AS WORK WHICH INCLUDES THE ACTUAL UNLOADING, UNPACKING, "PROVIDE" SHALL BE DEFINED AS TO FURNISH AND INSTALL, COMPLETE AND READY FOR THE INTENDED USE.
7. PRIOR TO BID, CONTRACTOR MUST BECOME FAMILIAR WITH THE REQUIREMENTS OF THE DRAWINGS, SPECIFICATIONS, GENERAL NOTES AS WELL AS ALL OTHER INFORMATION SHOWN ON THE CONTRACT DOCUMENTS. VISIT THE SITE TO ESTABLISH THE EXISTING CONDITIONS PRIOR TO BID AND PRIOR TO ANY FABRICATION.
8. PLUMBING RUN OUT SIZE SHALL BE THE SAME AS THE FIXTURE CONNECTION SIZE UNLESS OTHERWISE NOTED.
9. INSTALL ALL EQUIPMENT REQUIRING AN ELECTRICAL CONNECTIONS IN SUCH A MANNER THAT PROPER CLEARANCE IS PROVIDED FOR SERVING PER THE NATIONAL ELECTRICAL CODE.
10. WHEN SUBMITTING SHOP DRAWINGS ON ALL EQUIPMENT PERTAINING TO THE PROJECT, ALL ELECTRICAL REQUIREMENTS SHALL BE COORDINATED WITH THE ELECTRICAL CONTRACTOR PRIOR TO PURCHASING THE EQUIPMENT. SUBMIT SHOP DRAWINGS WITH THE CORRECT VOLTAGES AS SHOWN ON THE PLUMBING SCHEDULES.
11. FIRE RATED PUTTY/CAULKING IS REQUIRED AT ALL RATED PENETRATIONS. FOAM CAULKING WILL NOT BE ACCEPTED.
12. NOT ALL SYMBOLS & ABBREVIATIONS MAY BE USED.
13. ALL DIMENSIONS AND SIZES INDICATED WITHIN THESE DRAWINGS ARE EXPRESSED IN INCHES UNLESS OTHERWISE NOTED.
14. UNDERLINED TEXT INDICATED A SCHEDULED PIECE OF EQUIPMENT. REFER TO SCHEDULE SHEETS AND APPLICABLE SPECIFICATION SECTION FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
15. DURING RENOVATION OF EXISTING AREAS IN AN OPERATING FACILITY, PLAN WORK INCLUDING ALTERATIONS AND CONNECTIONS TO THE EXISTING FACILITY THAT SHALL PERMIT NORMAL BUILDING FUNCTIONS. WHEN NECESSARY TO TEMPORARILY INTERRUPT A SERVICE, ARRANGE WITH THE OWNER IN ADVANCE AS TO TIME IN WHICH THE INTERRUPTION WILL BE LEAST DISRUPTIVE. ALL OUTAGES SHALL REQUIRE A MINIMUM OF 2 WEEKS NOTICE PRIOR TO OUTAGE.
16. NO OTHER TRADES ARE ALLOWED TO BE SUPPORTED FROM MATERIALS, EQUIPMENT OR DEVICES INSTALLED BY THE PLUMBING TRADES. LIKEWISE, ALL WORK INSTALLED BY THE PLUMBING TRADES MUST BE SUPPORTED FROM THE STRUCTURE ABOVE, FROM WALLS OR FROM THE FLOOR UNLESS OTHERWISE NOTED.
17. EXPOSED PLUMBING, AND FIRE SUPPRESSION PIPING, AND ACCESSORIES SHALL BE INSTALLED IN A NEAT AESTHETICALLY PLEASING FASHION. VERIFY ROUTINGS WITH THE ARCHITECT/ENGINEER IN THESE AREAS PRIOR TO INSTALLATION.
18. ALL WIRING INSTALLED FOR CONTROLS, POWER, INTERLOCKS, ETC. MUST BE INSTALLED IN CONDUIT. MATERIALS AND INSTALLATION MUST COMPLY WITH NFPA, NEC REQUIREMENTS, AND STATE/LOCAL CODES.
19. INSTALL MANUAL AIR VENTS AT ALL HIGH POINTS OF CLOSED PIPING SYSTEMS. INSTALL FLEX PIPING CONNECTION AT ALL EQUIPMENT CONNECTIONS.
20. SEAL ALL ROOF AND WALL PENETRATIONS, FLASH AND COUNTER-FLASH ALL ROOF PENETRATIONS.
21. MAINTAIN A MINIMUM 10'-0" BETWEEN ALL FRESH AIR INTAKES AND PLUMBING VENTS, EXHAUST FAN DISCHARGE, FLUES, ETC.
22. PROVIDE FOR CUTTING AND CORE DRILLING ALL PENETRATIONS THRU FLOORS, WALLS, ETC. ANY OPENINGS LARGER THAN 8" DIAMETER SHALL BE FULLY COORDINATED WITH THE GENERAL CONTRACTOR, ARCHITECT, AND STRUCTURAL ENGINEER BEFORE WORK IS TO PROCEED.
23. REPLACE OR REPAIR ALL ARCHITECTURAL FEATURES REMOVED OR DAMAGED DURING THE COURSE OF THE WORK. REPAIR OR REPLACEMENT MUST, AS A MINIMUM, EQUAL ORIGINAL CONDITION. SPECIAL CARE MUST BE TAKEN ON THE ROOFS TO PREVENT DAMAGE. ANY DAMAGE TO THE ROOF MUST BE PROMPTLY REPAIRED AT NO EXPENSE TO THE OWNER BY AN OWNER APPROVED ROOFING CONTRACTOR.
24. COORDINATE THE EXACT REQUIREMENTS OF ALL MECHANICAL AND ELECTRICAL OWNER FURNISHED EQUIPMENT IN THE FIELD PRIOR TO INSTALLATION. REPORT ANY DISCREPENCIES TO THE ARCHITECT.
25. P.C. SHALL COORDINATE IN FIELD EXACT PLUMBING REQUIREMENTS & LOCATIONS OF ALL OWNER FURNISHED EQUIPMENT, FIXTURES, & ACCESSORIES. COORDINATE INLET / OUTLET CONNECTION SIZES INCLUDING BUT NOT LIMITED TO; COLD & HOT WATER, COMPRESSED AIR, VACUUM, SANITARY, VENT, ETC. P.C. TO INSTALL & PROVIDE ANY ACCESSORIES REQUIRED & MAKE FINAL CONNECTIONS TO ALL OWNER FURNISHED EQUIPMENT FOR COMPLETE INSTALLATION. PRIOR TO INSTALLATION P.C. SHALL REPORT ANY DISCREPENCIES TO THE OWNER OR ACHITECT.

SLOPE PIPING PER PLUMBING CODE REQUIREMENTS:

2-1/2" OR LESS	1/4" PER FOOT (2%)
3" TO 6"	1/8" PER FOOT (1%)
8" & UP	1/16" PER FOOT (0.5%)

FIRE PROTECTION GENERAL NOTES

1. THE FIRE PROTECTION CONTRACTOR SHALL PREPARE DETAILED DRAWINGS OF COMPLETE SPRINKLER SYSTEM FOR THIS PROJECT UNDER THE DIRECT SUPERVISION OF A PROFESSIONAL FIRE PROTECTION ENGINEER LICENSED IN THE STATE OF MICHIGAN, THE EXISTING SPRINKLER SYSTEM SHALL BE MODIFIED AS NEEDED FOR REVISED FLOOR PLAN AND MADE IN FULL ACCORDANCE WITH LATEST RULES AND REGULATIONS OF THE INSPECTION AND BUREAU AND AUTHORITIES HAVING JURISDICTION.
2. PLUMBING AND FIRE PROTECTION CONTRACTORS SHALL COORDINATE ROUTING AND ELEVATIONS OF ALL PLUMBING PIPING WITH HVAC CONTRACTOR AND ELECTRICAL CONTRACTOR SO AS NOT TO INTERFERE WITH ELECTRICAL CONDUIT RUNS AND/OR DUCTWORK.
3. CERTIFIED FIRE PROTECTION CONTRACTOR SHALL ALSO REFER TO ARCHITECTURAL DRAWINGS AND VERIFY WITH OWNER & ARCHITECT AREAS THAT SHALL BE PROVIDED WITH FIRE PROTECTION SYSTEM.
4. ENTIRE SPACE TO BE PROVIDED WITH SPRINKLER SYSTEM BY CERTIFIED FIRE PROTECTION CONTRACTOR.
5. REFER TO DIVISION 21 OF THE SPECIFICATIONS FOR FIRE PROTECTION SPECIFICATIONS.

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PLUMBING LEGENDS & GENERAL NOTES

P001

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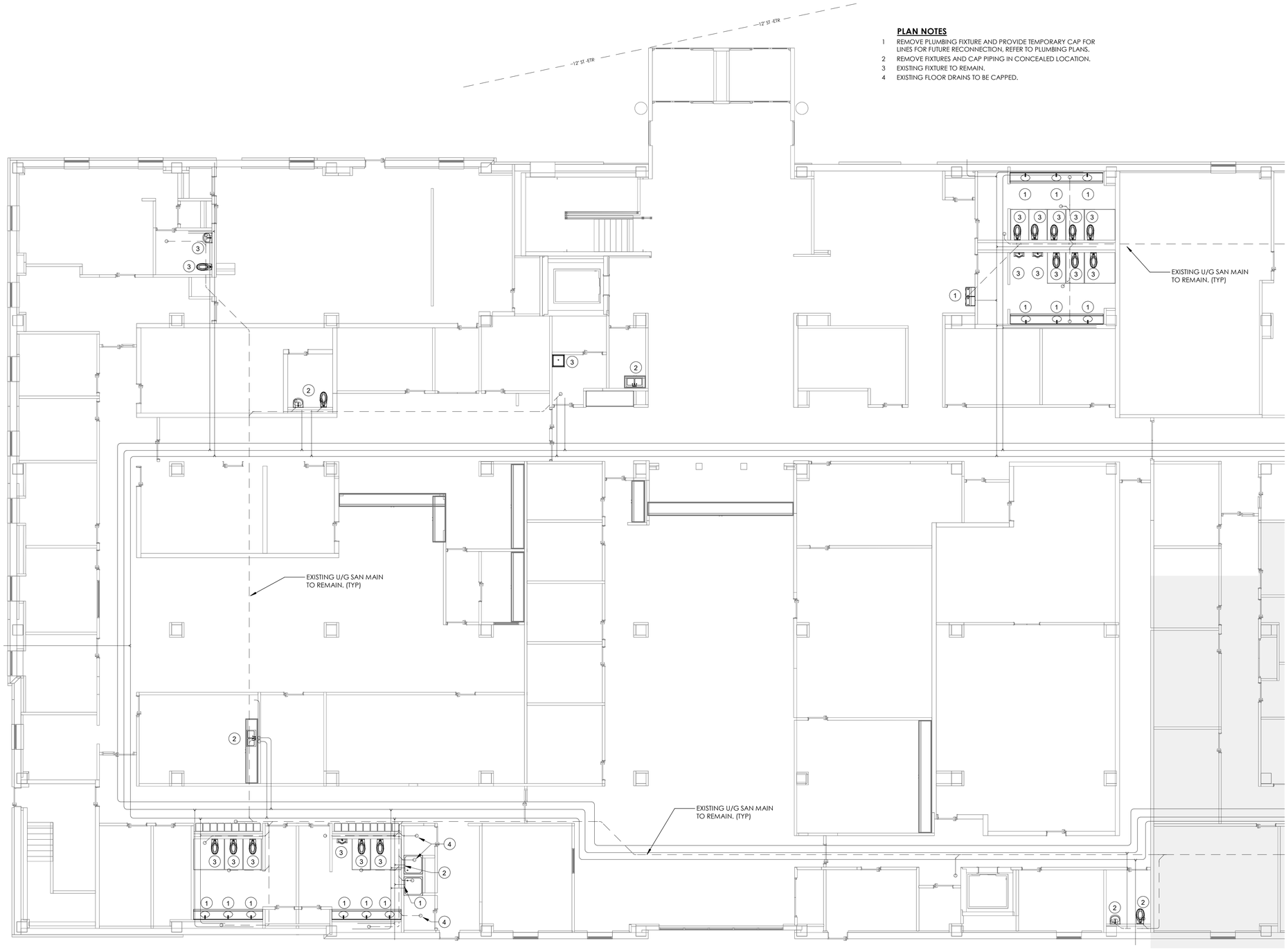
PLAN NOTES

1 REMOVE PLUMBING FIXTURE AND PROVIDE TEMPORARY CAP FOR LINES FOR FUTURE RECONNECTION, REFER TO PLUMBING PLANS.
2 REMOVE FIXTURES AND CAP PIPING IN CONCEALED LOCATION.
3 EXISTING FIXTURE TO REMAIN.
4 EXISTING FLOOR DRAINS TO BE CAPPED.



1 PD100 MAIN LEVEL CPED PLUMBING DEMO PLAN
1/8" = 1'-0"

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MAIN LEVEL CPED PLUMBING DEMO PLAN

PD100

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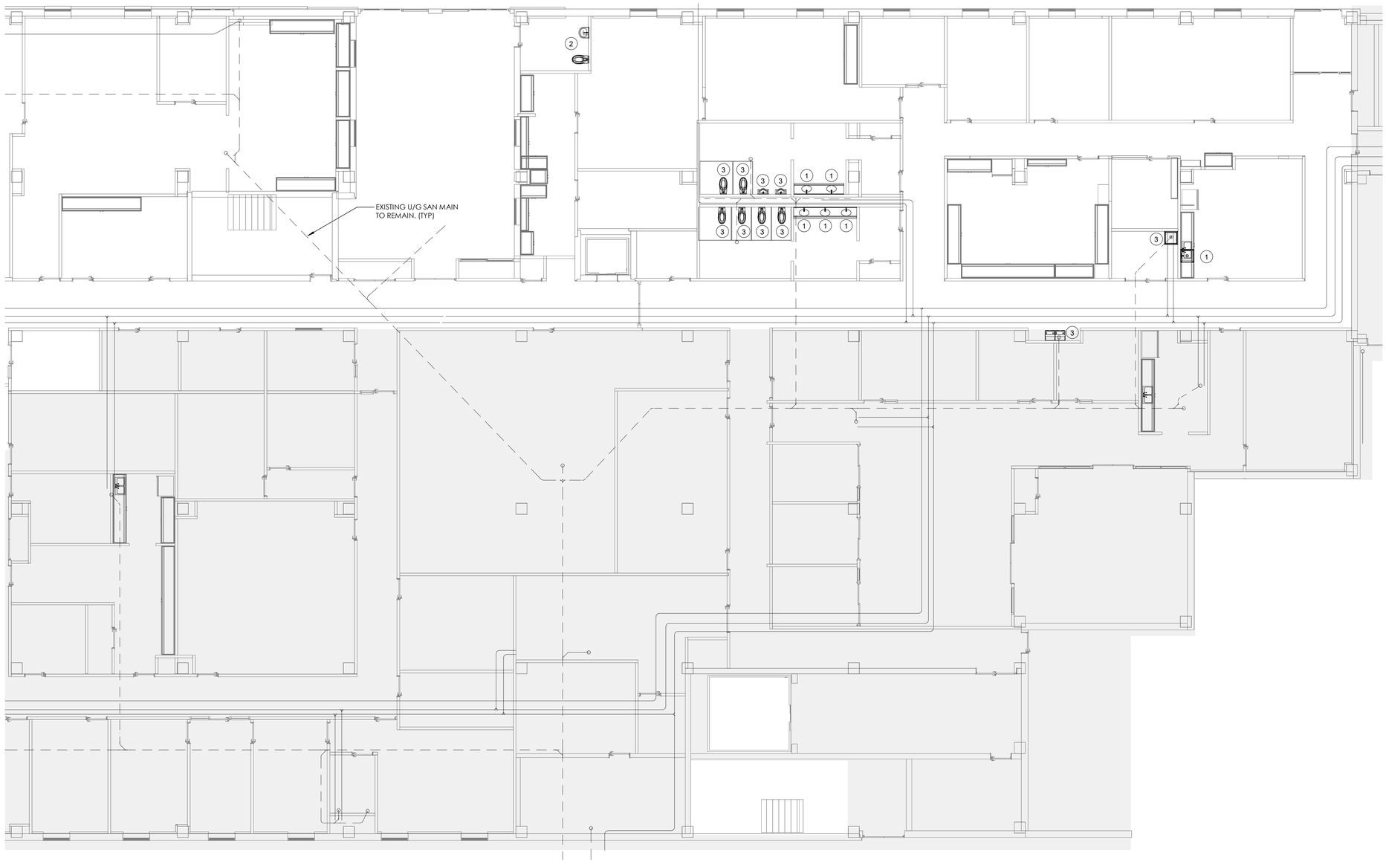
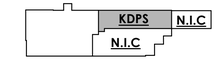
PLAN NOTES

1 REMOVE PLUMBING FIXTURE AND PROVIDE TEMPORARY CAP FOR LINES FOR FUTURE RECONNECTION. REFER TO PLUMBING PLANS.
2 REMOVE FIXTURES AND CAP PIPING IN CONCEALED LOCATION.
3 EXISTING FIXTURE TO REMAIN.



1 PD101 MAIN LEVEL KDPS PLUMBING DEMO PLAN
1/8" = 1'-0"



KEY PLAN - KDPS
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MAIN LEVEL KDPS PLUMBING DEMO PLAN

PD101

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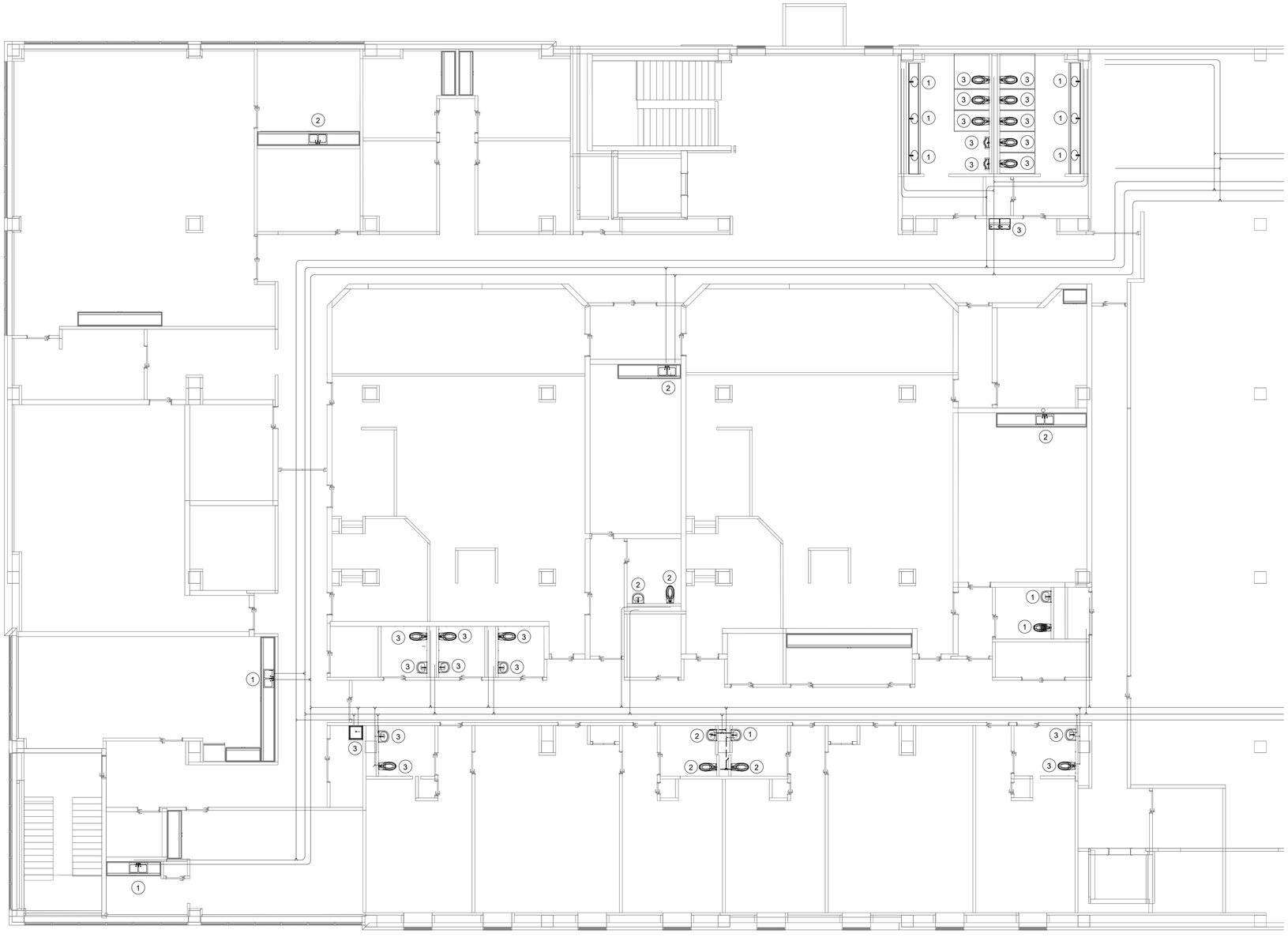
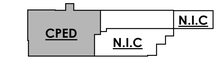
PLAN NOTES

1 REMOVE PLUMBING FIXTURE AND PROVIDE TEMPORARY CAP FOR LINES FOR FUTURE RECONNECTION. REFER TO PLUMBING PLANS.
2 REMOVE FIXTURES AND CAP PIPING IN CONCEALED LOCATION.
3 EXISTING FIXTURE TO REMAIN.



1 PD102 UPPER LEVEL CPED PLUMBING DEMO PLAN
1/8" = 1'-0"



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UPPER LEVEL CPED PLUMBING DEMO PLAN

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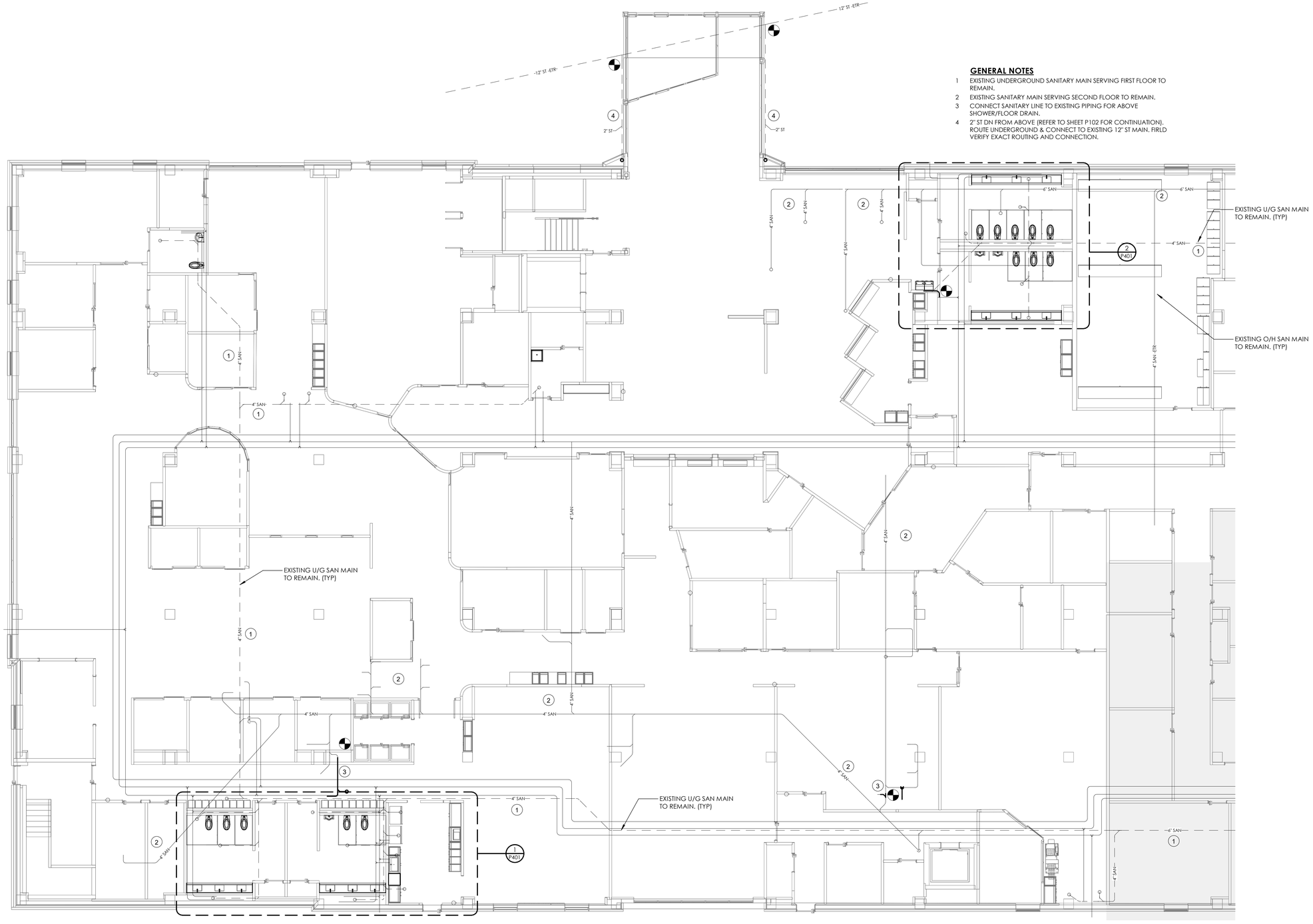

GENERAL NOTES

1. EXISTING UNDERGROUND SANITARY MAIN SERVING FIRST FLOOR TO REMAIN.
2. EXISTING SANITARY MAIN SERVING SECOND FLOOR TO REMAIN.
3. CONNECT SANITARY LINE TO EXISTING PIPING FOR ABOVE SHOWER/FLOOR DRAIN.
4. 2" ST DN FROM ABOVE (REFER TO SHEET P102 FOR CONTINUATION). ROUTE UNDERGROUND & CONNECT TO EXISTING 12" ST MAIN. FIRLD VERIFY EXACT ROUTING AND CONNECTION.

1 P100 MAIN LEVEL CPED PLUMBING PLAN
1/8" = 1'-0"

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MAIN LEVEL CPED PLUMBING PLAN

P100

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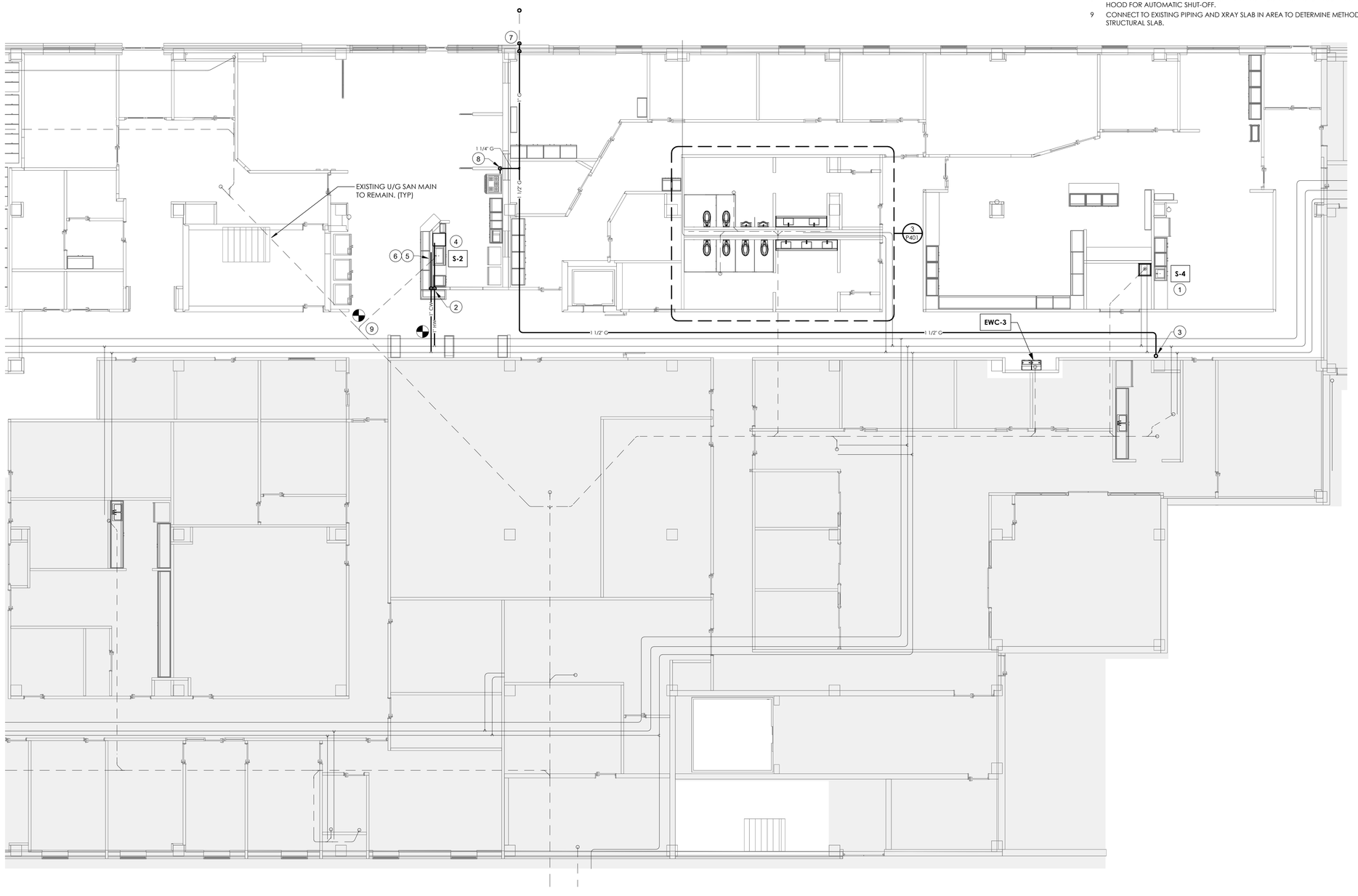
GENERAL NOTE:
THE EXISTING FIRST FLOOR IS A STRUCTURAL 2-WAY SLAB SPANNING COLUMN LINE TO COLUMN LINE, AND PENETRATIONS AND LOADING SHALL BE LIMITED. SEE S100 AND S101 FOR NOTES.

PLAN NOTES

1 CONNECT FIXTURE TO EXISTING TO REMAIN PIPING WITHIN WALL. FIELD VERIFY EXACT CONNECTIONS.
2 CONNECT TO EXISTING PIPING AND COME DOWN IN ISLAND WALL.
3 1-1/2" NG UP TO FLOOR ABOVE. REFER TO P103 FOR CONTINUATION.
4 CONNECT CW/HW CONNECTIONS FOR SINK. ROUTE 1/2" HW UNDER COUNTER TO DISHWASHER, 1/2" CW TO UNDER COUNTER POINT OF USE WATER FILTER TO SERVE FILTERED WATER FAUCET.
5 PROVIDE 1/2" CW CONNECTIONS FOR COUNTER TOP COFFEE MAKER & FOR UNDER COUNTER ICE MACHINE. BOTH CONNECTIONS TO INCLUDE WATTS MODEL 9DM3 (OR APPROVED EQUAL) DUAL CHECK VALVE BACKFLOW WITH ATMOSPHERIC VENT CONFORMING TO ASSE 1022.
6 PROVIDE UNDERCOUNTER HUB DRAIN FOR DISCHARGE FROM ICE MAKER DRAIN. ICE MAKER DRAIN TO DISCHARGE VIA A 1" AIR GAP.
7 ALTERNATE P1: PROVIDE 1" NG FOR OUTDOOR NATURAL GAS GRILL. ROUTE 1" NG LINE DN TO ABOVE FLOOR & ROUTE THR EXTERIOR WALL AT 12" ABOVE FINISHED GRADE. ONCE OUTSIDE ROUTE LINE UNDERGROUND TO LOCATION OF GRILL AND STUB UP WITH SHUT-OFF VAVLE AND CAP FOR FUTURE EQUITMENT CONNECTION.
8 1-1/4" NG DN IN WALL TO SERVE KITCHEN RANGE. CONNECT TO GAS SOLENIOD VALVE PROVIDED WITH RANGE HOOD FOR AUTOMATIC SHUT-OFF.
9 CONNECT TO EXISTING PIPING AND XRAY SLAB IN AREA TO DETERMINE METHOD OF CONNECTION UNDER STRUCTURAL SLAB.



1 P101 MAIN LEVEL KDPS PLUMBING PLAN
1/8" = 1'-0"

KEY PLAN - KDPS
NTS

KDPS N.I.C N.I.C

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MAIN LEVEL KDPS PLUMBING PLAN

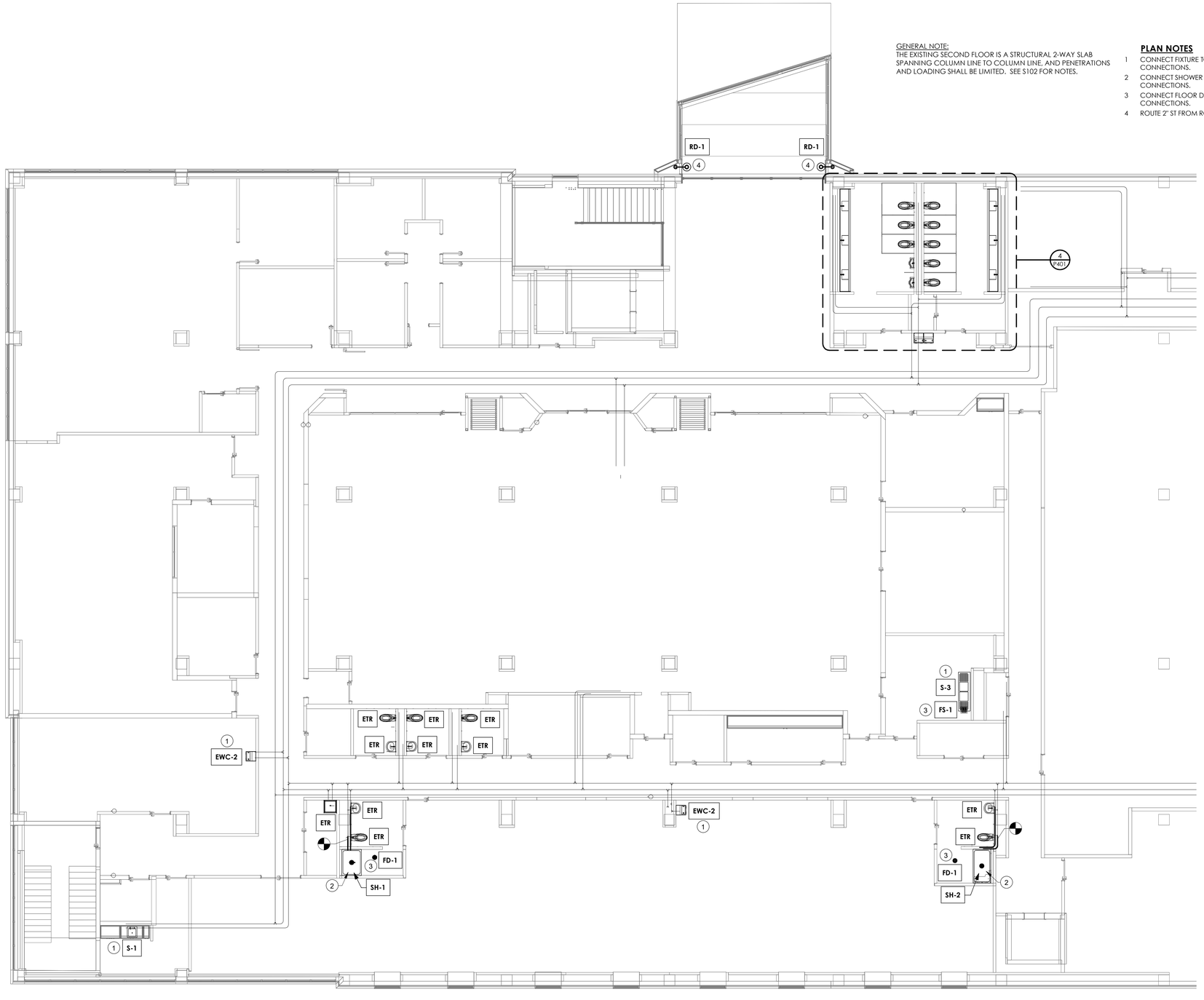
P101

8/29/2025 12:26:55 Autodesk Docs://2400 Kalamazoo Crosstown Facility Renovation/2400 Kalamazoo ARP.rvt

GENERAL NOTE:
THE EXISTING SECOND FLOOR IS A STRUCTURAL 2-WAY SLAB SPANNING COLUMN LINE TO COLUMN LINE, AND PENETRATIONS AND LOADING SHALL BE LIMITED. SEE S102 FOR NOTES.

PLAN NOTES

1 CONNECT FIXTURE TO EXISTING TO REMAIN PIPING WITHIN WALL. FIELD VERIFY EXACT CONNECTIONS.
2 CONNECT SHOWER DRAIN TO EXISTING TO REMAIN SANITARY LINE. FIELD VERIFY EXACT CONNECTIONS.
3 CONNECT FLOOR DRAIN TO EXISTING TO REMAIN SANITARY LINE. FIELD VERIFY EXACT CONNECTIONS.
4 ROUTE 2" ST FROM ROOF DRAIN (RD-1) DN IN CHASE. REFER TO SHEET P100 FOR CONTINUATION.



1 / P102 UPPER LEVEL CPED PLUMBING PLAN
1/8" = 1'-0"

N

CPED
N.I.C
N.I.C

KEY PLAN - CPED
NTS

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UPPER LEVEL CPED PLUMBING PLAN

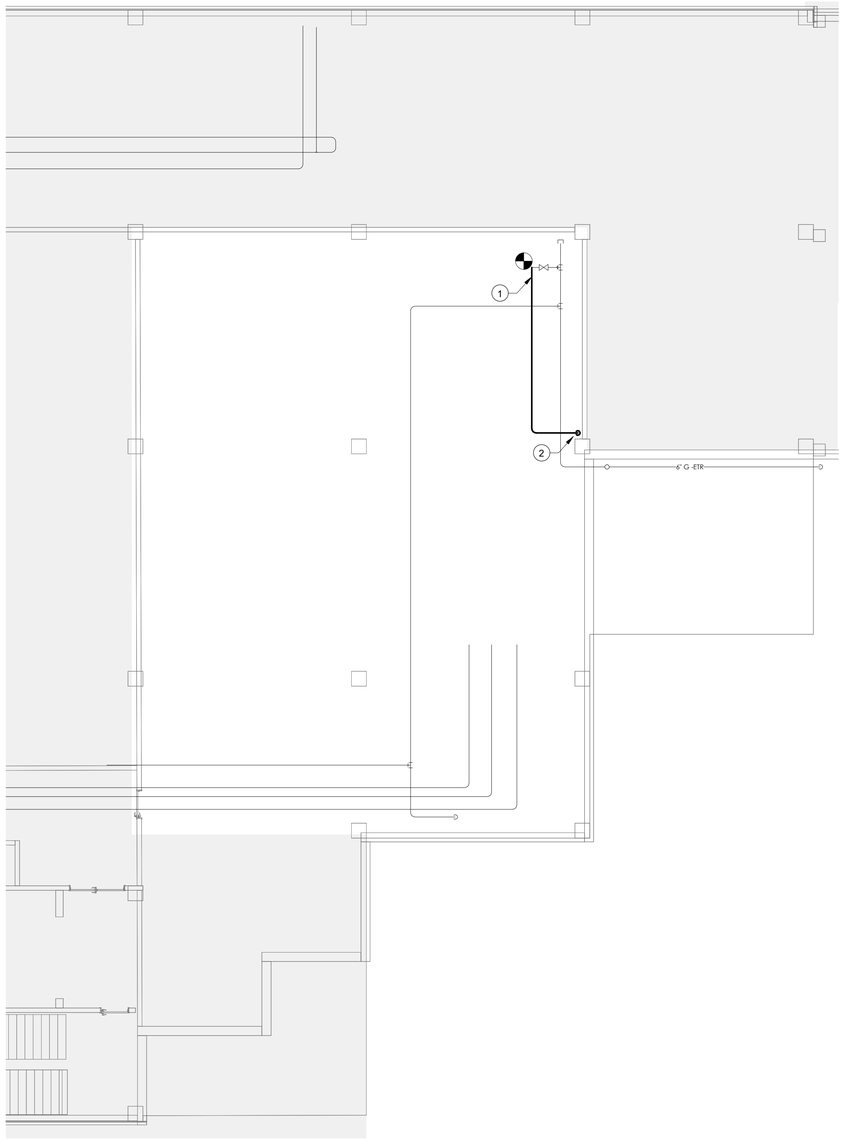
P102

8/21/2025 12:30:36 Autodesk Docs://2405 Kalamazoo Crosstown Facility Renovation/2405 Kalamazoo ARP.rvt

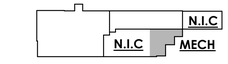
PLAN NOTES

1 CONNECT 1-1/2" NG TO EXISTING 1-1/2" VALVE AND CAPPED CONNECTION IN MECHANICAL ROOM AND ROUTE AS INDICATED. FIELD VERIFY EXACT CONNECTION.

2 1-1/2" NG DN THRU FLOOR. REFER TO SHEET P102 FOR CONTINUATION.



1 P103 UPPER LEVEL MECH ROOM PLUMBING PLAN
1/8" = 1'-0"



KEY PLAN - MECH ROOM
NTS

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UPPER LEVEL MECH ROOM PLUMBING PLAN

P103

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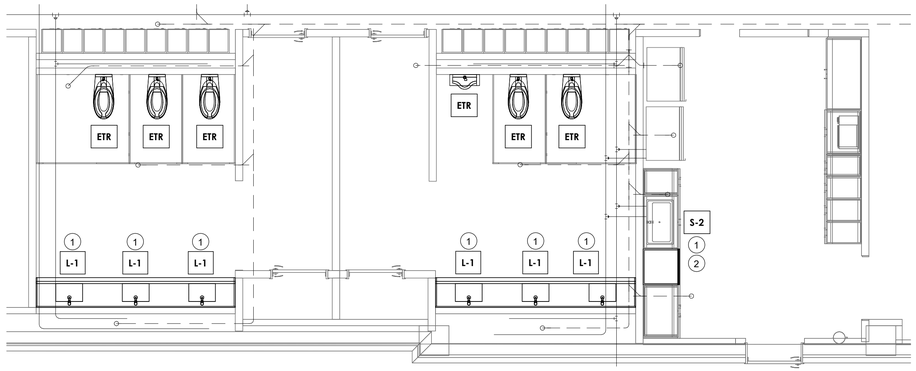
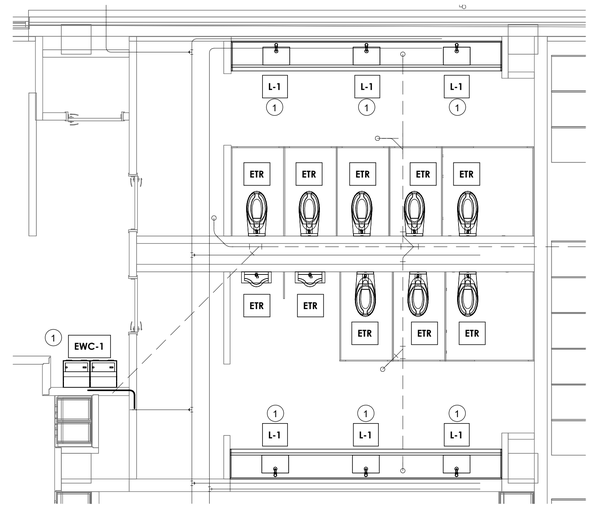


1 P401 MAIN LEVEL CPED SOUTH RESTROOM
1/4" = 1'-0"

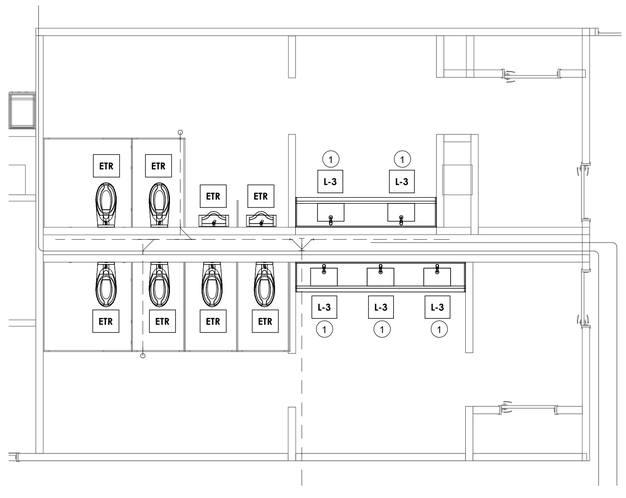
PLAN NOTES

1 CONNECT FIXTURE TO EXISTING TO REMAIN PIPING WITHIN WALL. FIELD VERIFY EXACT CONNECTIONS.

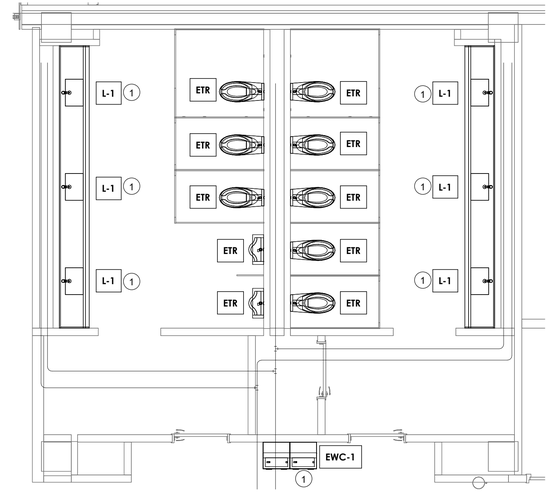
2 ROUTE 1/2" HW UNDER COUNTER TO DISHWASHER. 1/2" CW TO UNDER COUNTER POINT OF USE WATER FILTER TO SERVE FILTERED WATER FAUCET. CONNECT TO EXISTING SAN/V. FIRLD VERIFY EXACT LOCATION.



2 P401 MAIN LEVEL CPED NORTH RESTROOM
1/4" = 1'-0"



3 P401 MAIN LEVEL KDPS RESTROOM
1/4" = 1'-0"



4 P401 UPPER LEVEL CPED NORTH RESTROOM
1/4" = 1'-0"

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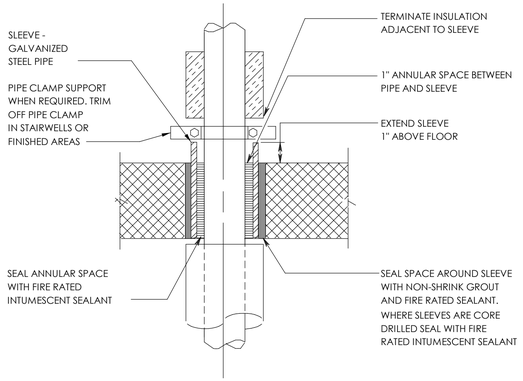
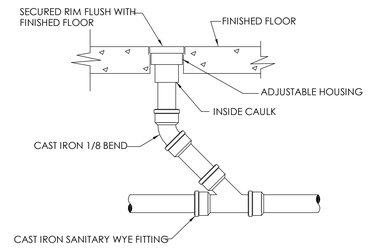
ENLARGED PLUMBING PLAN

P401

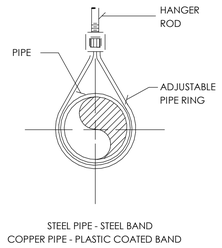
8/22/2025 12:50:38 Autodesk Docs://2405 Kalamazoo Crosstown Facility Renovation/2405 Kalamazoo ARP.rvt



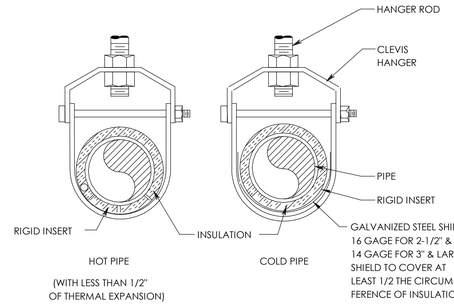
3 P501 PIPE FLOOR SLEEVE DETAIL
NOT TO SCALE



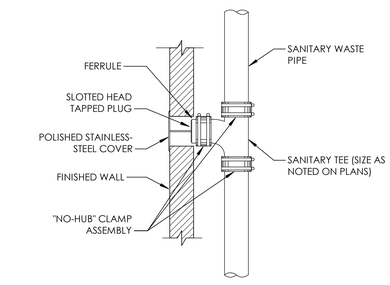
1 P501 FLOOR CLEANOUT DETAIL
NOT TO SCALE



4 P501 UNINSULATED PIPE HANGER DETAIL
NOT TO SCALE



2 P501 INSULATED PIPE HANGER DETAIL
NOT TO SCALE



5 P501 WALL CLEANOUT DETAIL
1/8" = 1'-0"

8/29/2025 12:50:19 Autodesk Docs://2409 Kalamazoo Crosstown Facility Renovation/2409 Kalamazoo MEP.rvt

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PLUMBING DETAILS

P501

PLUMBING SPECIALTIES SCHEDULE

MARK	FIXTURE	STORM	SAN	VENT	CW	HW	DESCRIPTION
FD-1	FLOOR DRAIN	--	SEE PLANS	--	--	--	FIXTURE: ZURN MODEL Z415B FLOOR & SHOWER DRAIN. CAST IRON BODY, BOTTOM OUTLET, TYPE B POLISHED NICKEL BRONZE LIGHT DUTY STRAINER. ACCESSORIES: PROVIDE WITH ZURNZ1072 BARRIER TRAP SEAL.
RD-1	ROOF DRAIN	SEE PLANS	--	--	--	--	FIXTURE: ZURN MODEL Z164 COMBINATION ROOF & OVERFLOW DRAIN WITH LOW SILHOUETTE DOMES. CAST IRON BODIES W/ NO HUB OUTLET, 4-1/4" DOME, MEMBRANE FLASHING CLAMP / GRAVEL GUARDS.
POINT OF USE THERMOSTATIC MIXING VALVE		--	--	--	1/2"	1/2"	WATER TEMPERATURE REGULATING VALVE, LEAD FREE BRONZE BODY, THREADED CONNECTIONS, LOW TEMPERATURE, DUAL ACTION, INTERCHANGEABLE THERMOSTAT, INTEGRAL FILTER WASHERS AND CHECK VALVES. ASSE 1070 LISTED. ADJUSTABLE FROM 80F TO 120F WITH LOCKING FEATURE. SET OUTLET TEMPERATURE AT 110F. MAXIMUM PRESSURE 150PSI. WATTS SERIES LFUSG-B OR EQUAL.
CALIBRATED BALANCING VALVES		SEE PLANS					2 INCHES AND SMALLER: WORKING PRESSURE: 125PSIG, MAXIMUM OPERATING TEMPERATURE 250F, BRONZE BODY, BRASS BALL CONSTRUCTION WITH CALIBRATED ORFICE, THREDED END CONNECTIONS
WATTER HAMMER ARRESTORS		SEE PLANS					PERMANENTLY SEALED BELLOWS OR EXPANDING CHAMBER TYPE DEVICE FOR CONTROL OF WATER HAMMER P.D.I. APPROVED, SMITH HYDROTROL OR SIMILAR BY JOSAM, MIFAB, WADE, OR ZURN.
TEMPERATURE AND PRESSURE RELIEF VALVE		SEE PLANS					ANSI Z21.22 CERTIFIED, BRONZE BODY, TEFLON SEAT, STAINLESS STEEL STEM AND SPRINGS,AUTOMATIC DIRECT PRESSURE ACTUATED, TEMPERATURE RELIEF MAXIMUM 210 DEGREES F, CAPACITY ASME CERTIFIED AND LABLED, WATTS SERIES 40, 140, 240
BEVERAGE DISPENSER PREVENTOR		SEE PLANS					ASSE 1020 CERTIFIED, DUAL CHECK VALVE WITH ATMOSPHERIC PORT, WATTS SERIES SD-3 OR APPROVED EQUAL.

DEMOLITION GENERAL NOTES

1. REFER TO ARCHITECTURAL DEMOLITION PLAN FOR EXACT LOCATIONS OF PLUMBING FIXTURES TO BE REMOVED.
2. IN THE INSTALLATION OR REMOVAL OF ANY PART OF A DRAINAGE SYSTEM, DEAD ENDS SHALL BE PROHIBITED. CLEANOUT EXTENSIONS AND APPROVED FUTURE FIXTURE DRAINAGE PIPING SHALL NOT BE CONSIDERED AS DEAD ENDS PER OHIO PLUMBING CODE SECTION 704.5.
3. PRIOR TO SUBMITTING BID, CONTRACTOR SHALL VISIT JOB SITE TO MEET WITH PROJECT MANAGER AND BECOME FAMILIAR WITH EXISTING CONDITIONS WHICH WILL AFFECT THE EXECUTION OF WORK. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR FAILURE TO OBTAIN THIS INFORMATION.
4. ALL ITEMS OF DEMOLITION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REMOVE FROM THE JOB SITE AFTER GIVING THE OWNER FIRST RIGHT TO SALVAGE ANY AND ALL MATERIALS.
5. ITEMS TO BE REMOVED SHALL INCLUDE FIXTURES & ALL INCIDENTAL PIPING, FITTINGS AND ACCESSORIES AS INDICATED ON PLANS.
6. WHERE EXISTING EQUIPMENT AND/OR FIXTURES ARE REMOVED THE ASSOCIATED SANITARY WASTE/VENT AND/OR WATER SUPPLY BRANCH SHALL BE REMOVED BACK TO THE MAIN WHERE POSSIBLE AND CAPPED OR PLUGGED AS REQUIRED.
7. DISCONNECT ALL SUPPLY AND WASTE PIPING FROM FIXTURES AND EQUIPMENT TO BE REMOVED BY OTHER TRADES.
8. ALL SECTIONS OF SUPPLY AND/OR WASTE PIPING THAT IS DISCONNECTED BUT NOT TOTALLY REMOVED SHALL BE CAPPED OR PLUGGED WELL BELOW/BEHIND FINISHED SURFACES.
9. WHERE EXISTING WALLS ARE DEMOLISHED, ANY PLUMBING PIPING CONTAINED THERE-IN "THAT IS NOT DESIGNATED TO BE REMOVED" SHALL BE OFF-SET, RELOCATED OR RETAINED IN PLACE AS MAY BE REQUIRED FOR PROPER OPERATION OF OVERALL SYSTEM. THIS REQUIREMENT APPLIES TO ANY SITUATION THAT MAY BE ENCOUNTERED DURING CONSTRUCTION O DEMOLITION, EVEN THOUGH IT MAY NOT BE SHOWN ON THE DRAWINGS.
10. WHERE EXISTING PLUMBING FIXTURES ARE TO BE REMOVED ALL EXISTING WALLS/ROOFS SHALL BE PATCHED THAT ARE AFFECTED. P.C. SHALL FINISH WALLS/ROOF PER ARCHITECT'S DIRECTION. P.C. SHALL COORDINATE EXACT WALL FINISH WITH ARCHITECT. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR FAILURE TO OBTAIN THIS INFORMATION.

REMARKS:

1. ALL FIXTURES AS NOTED TO MEET ALL REQUIRED ADA/CODE COMPLIANCE STANDARDS IN ACCESSIBLE STALLS.
2. FOR EXACT LOCATIONS OF PLUMBING FIXTURES REFER TO ARCHITECTURAL DRAWINGS.
3. MAXIMUM FLOW RATES FOR PUBLIC LAVATORY FAUCETS SHALL BE 0.5 GPM.
4. ALL PLUMBING FIXTURES & FAUCETS SHALL BE CONTINGENT UPON BUILDING OWNER APPROVAL PRIOR TO INSTALLATION.
5. ADA COMPLIANT LAVATORIES WILL BE MOUNTED AT A MAXIMUM OF 34" AFF.
6. ALL LAVATORIES HAVING EXPOSED PIPING SHALL HAVE PIPE INSULATION TO PREVENT AGAINST CONTACT. THERE WILL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES.

PLUMBING FIXTURE SCHEDULE

MARK	FIXTURE	SAN	VENT	CW	HW	DESCRIPTION
L-1	LAVATORY (UNDERMOUNT)	1-1/2"	1-1/2"	1/2"	1/2"	FIXTURE: AMERICAN STANDARD STUDIO RECTANGULAR UNDERMOUNT LAVATORY MODEL 0614.000, VITREOUS CHINA, COLOR TO BE WHITE. FAUCET: ZURN DECK MTD SENSOR OPERATED FAUCET MODEL Z6913-XL, POLISHED CHROME FINISH, WITH THERMOSTATIC MIXING VALVE, HYDRO-POWERED BATTERY OPTION, 0.5 GPM. SUPPLIES: CHROME PLATED RIGID OR FLEXIBLE SUPPLIES, REDUCERS, & ESCHUTEONS, WHERE EXPOSED ISULATE FOR ADA COMPLIANCE. DRAIN: STANDARD 1-1/4" GRID DRAIN, CHROME FINISH. TRAP: CHROME PLATED CAST BRASS ADJUSTABLE 1-1/4" "P" TRAP WITHOUT CLEANOUT, WASTE TO WALL ESCUTCHEON, WHERE EXPOSED INSULATE FOR ADA COMPLIANCE.
L-2	LAVATORY (WALL MOUNT)	1-1/2"	1-1/2"	1/2"	1/2"	FIXTURE: AMERICAN STANDARD DECORUM WALL MOUNT LAVATORY MODEL 9024.901EC, VITREOUS CHINA, SINGLE CENTER HOLE, NO OVERFLOW, COLOR TO BE WHITE. FAUCET: ZURN DECK MTD SENSOR OPERATED FAUCET MODEL Z6913-XL, POLISHED CHROME FINISH, WITH THERMOSTATIC MIXING VALVE, HYDRO-POWERED BATTERY OPTION, 0.5 GPM. SUPPLIES: CHROME PLATED RIGID OR FLEXIBLE SUPPLIES, REDUCERS, & ESCHUTEONS, WHERE EXPOSED INSULATE FOR ADA COMPLIANCE. DRAIN: STANDARD 1-1/4" GRID DRAIN, CHROME FINISH. TRAP: CHROME PLATED CAST BRASS ADJUSTABLE 1-1/4" "P" TRAP WITHOUT CLEANOUT, WASTE TO WALL ESCUTCHEON, WHERE EXPOSED INSULATE FOR ADA COMPLIANCE.
L-3	LAVATORY (UNDERMOUNT)	1-1/2"	1-1/2"	1/2"	1/2"	FIXTURE: AMERICAN STANDARD STUDIO RECTANGULAR UNDERMOUNT LAVATORY MODEL 0614.000, VITREOUS CHINA, COLOR TO BE WHITE. FAUCET: ZURN SINGLE-CONTROL DECK MOUNT MANUAL OPERATED FAUCET MODEL Z831R1-XL CHROME-PLATED CAST BRASS BODY WITH STAINLESS STEEL FLEX CONNECTION HOSES. SUPPLIES: CHROME PLATED RIGID OR FLEXIBLE SUPPLIES, REDUCERS, & ESCHUTEONS, WHERE EXPOSED ISULATE FOR ADA COMPLIANCE. DRAIN: STANDARD 1-1/4" GRID DRAIN, CHROME FINISH. TRAP: CHROME PLATED CAST BRASS ADJUSTABLE 1-1/4" "P" TRAP WITHOUT CLEANOUT, WASTE TO WALL ESCUTCHEON, WHERE EXPOSED INSULATE FOR ADA COMPLIANCE.
S-1	SINK (SINGLE BOWL UNDERMOUNT)	1-1/2"	1-1/2"	1/2"	1/2"	FIXTURE: ELKAY LUSTERTONE CLASSIC STAINLESS STEEL SINK MODEL ELUH281610, SINGLE BOWL 30-1/2" X 18-1/2" X 10" UNDERMOUNT ADA SINK, TWO HOLES 4" ON CENTER. FAUCET: DELTA SINGLE HANDLE DECK MOUNT WITH TWO FUNTION PULL-DOWN SPRAYER MODEL 9159-LS-DST, 1.8 GPM, ADA COMPLIANT. SUPPLIES: CHROME PLATED RIGID OR FLEXIBLE SUPPLIES, REDUCERS, & ESCHUTEONS, WHERE EXPOSED ISULATE FOR ADA COMPLIANCE. DRAIN: STANDARD 1-1/4" GRID STRAINER DRAIN, CHROME FINISH. TRAP: CHROME PLATED CAST BRASS ADJUSTABLE 1-1/4" "P" TRAP WITHOUT CLEANOUT, WASTE TO WALL ESCUTCHEON, WHERE EXPOSED INSULATE FOR ADA COMPLIANCE.
S-2	SINK (DOUBLE BOWL UNDERMOUNT)	1-1/2"	1-1/2"	1/2"	1/2"	FIXTURE: ELKAY LUSTERTONE CLASSIC DOUBLE BOWL UNDERMOUNT ADA SINK MODEL ELUHAD312045RPD, STAINLESS STEEL. FAUCET: DELTA SINGLE HANDLE DECK MOUNT WITH TWO FUNTION PULL-DOWN SPRAYER MODEL 9159-LS-DST, 1.8 GPM, ADA COMPLIANT, PROVIDE WITH ADDITIONAL FILTERED WATER DISPENSER FAUCET, SINGLE HANDLE DECK MOUNTED, 1.5 GPM, DELTA MODEL 1930-DST. SUPPLIES: CHROME PLATED RIGID OR FLEXIBLE SUPPLIES, REDUCERS, & ESCHUTEONS, WHERE EXPOSED ISULATE FOR ADA COMPLIANCE. DRAIN: STANDARD 1-1/4" GRID STRAINER DRAIN, CHROME FINISH. TRAP: CHROME PLATED CAST BRASS ADJUSTABLE 1-1/4" "P" TRAP WITHOUT CLEANOUT, WASTE TO WALL ESCUTCHEON, WHERE EXPOSED INSULATE FOR ADA COMPLIANCE. ACCESSORIES: INSINKERATOR EVOLUTION COMPACT GARBAGE DISPOSAL, 3/4 HP, SINGLE PHASE, HARDWIRED, WITH DISHWASHER CONNECTION.
S-3	SINK (TWO COMP SINK W/ LR DRAINBOARDS)	1-1/2"	1-1/2"	1/2"	1/2"	FIXTURE: ELKAY DEPENDABILT STAINLESS STEEL TWO COMP SINK W/ LR DRAIN BOARDS MODEL 14-2C16X20-2-1BX. FAUCET: 8" CENTERSET WALL MOUNT FAUCET FLEXIBLE HOSE W/ SPRAY HEAD + ARC TUBE SPOUT MODEL LK943AF12LC. CHROME-PLATED BRASS W/ QUARTER TURN CERAMIC DISC VALVE. SUPPLIES: CHROME PLATED RIGID OR FLEXIBLE SUPPLIES, REDUCERS, & ESCHUTEONS, WHERE EXPOSED ISULATE FOR ADA COMPLIANCE. DRAIN: ELKAY LK35 3-1/2" BASKET STRAINER - CHROME TRAP: CHROME PLATED CAST BRASS ADJUSTABLE 3-1/2" "P" TRAP WITHOUT CLEANOUT, WASTE TO WALL ESCUTCHEON, WHERE EXPOSED INSULATE FOR ADA COMPLIANCE.
S-4	SINK (SINGLE BOWL UNDERMOUNT)	1-1/2"	1-1/2"	1/2"	1/2"	FIXTURE: ELKAY LUSTERTONE CLASSIC STAINLESS STEEL SINK MODEL ELUH281610, SINGLE BOWL 30-1/2" X 18-1/2" X 10" UNDERMOUNT ADA SINK, TWO HOLES 4" ON CENTER. FAUCET: DELTA SINGLE HANDLE DECK MOUNT WITH TWO FUNTION PULL-DOWN SPRAYER MODEL 9159-LS-DST, 1.8 GPM, ADA COMPLIANT. SUPPLIES: CHROME PLATED RIGID OR FLEXIBLE SUPPLIES, REDUCERS, & ESCHUTEONS, WHERE EXPOSED ISULATE FOR ADA COMPLIANCE. DRAIN: STANDARD 1-1/4" GRID STRAINER DRAIN, CHROME FINISH. TRAP: CHROME PLATED CAST BRASS ADJUSTABLE 1-1/4" "P" TRAP WITHOUT CLEANOUT, WASTE TO WALL ESCUTCHEON, WHERE EXPOSED INSULATE FOR ADA COMPLIANCE.
SH-1	FOUR-PIECE SHOWER	3"	1-1/2"	1/2"	1/2"	FIXTURE: AKER FOUR PIECE SHOWER W/ LARGE TOP CORNER SHELVES, WIDE SOAP DISH AND STANDARD ACRYLIC HANDLE. ACCESSORIES: MOEN M-DURA SINGLE FUNCTION SHOWERHEAD MODEL 9263, CHROME FINISH, MOEN M-DURA SINGLE HANDLE POSI-TEMP TRIM MODEL T9370, CHROME FINISH, WITH BRASS POSI-TEMP ROUGH-IN MIXING VALVE WITH INTEGRAL STOPS (MODEL TO MATCH PIPE CONNECTIONS).
SH-2	ONE PIECE ROLL IN SHOWER (ADA)	3"	1-1/2"	1/2"	1/2"	FIXTURE: AKER 1 PIECE ROLL IN SHOWER W/ L-SHAPED FOLD-UP PHENOLIC WHITE SEAT, CHROME PRESSURE BALANCE MIXING VALVE W/ HAND-HELD SHOWER, ADA/ANSI COMPLIANT. ACCESSORIES: MOEN THREE-FUNCTION COMMERCIAL SHOWER SYSTEM, 8342, 8342EP15
EWC-1	DOUBLE ELECTRIC WATER COOLER W/ BOTTLE FILLER	2"	1-1/2"	1/2"	--	FIXTURE: ELKAY BI-LEVEL ADA ELECTRIC WATER COOLER WITH BOTTLE FILLER MODEL EZSTL8WSLK, LIGHT GRAY GRANITE FINISH, WALL MOUNT, REFER TO ARCHITECTURAL PLANS FOR MOUNTING HEIGHT.
EWC-2	SINGLE ELECTRIC WATER COOLER W/ BOTTLE FILLER	2"	1-1/2"	1/2"	--	FIXTURE: ELKAY SINGLE ADA ELECTRIC WATER COOLER WITH BOTTLE FILLER MODEL LZS8WSLK, LIGHT GRAY GRANITE FINISH, WALL MOUNT, REFER TO ARCHITECTURAL PLANS FOR MOUNTING HEIGHT.
EWC-3	RETROFIT BOTTLE FILLING STATION KIT	2"	1-1/2"	1/2"	--	FIXTURE: ELKAY RETROFIT BOTTLE FILLING STATION MODEL EZWSRK, NON-FILTERED, NON-REFRIGERATED HANDS FREE LAMINAR FLOW, REAL DRAIN. REFER TO ARCHITECTURAL PLAN FOR MOUNTING LOCATION.

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PLUMBING SCHEDULES

P601

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CITY OF KALAMAZOO - CROSSTOWN FACILITY

150 E CROSSTOWN PARKWAY
SECTION 22, T.02S, R.11W
CITY OF KALAMAZOO
KALAMAZOO COUNTY, MI

SITE DEVELOPMENT PLANS
SEPTEMBER 08, 2025

ISSUED FOR: BIDS/SITE PLAN SUBMITTAL

SHEET INDEX

No.	SHEET TITLE
T1.0	TITLE SHEET
C1.0	EXISTING CONDITIONS
C1.1	DEMOLITION PLAN
C2.0	SITE LAYOUT PLAN
C3.0	DETAILS
C3.1	FENCING DETAILS
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REVISIONS

No.	ISSUED FOR:	DATE:	BY:
0	CHECKLIST MEETING SUBMITTAL	07/31/2025	tc
1	BIDS/SITE PLAN SUBMITTAL	09/08/2025	tc
2	.	.	.
3	.	.	.
4	.	.	.
5	.	.	.

OWNERS:

CITY OF KALAMAZOO
PUBLIC SAFETY BUILDING AUTHORITY
241 W SOUTH ST
KALAMAZOO, MI 49007
(269) 337-8243

ARCHITECT:

INTERSECT STUDIO
155 W MICHIGAN AVE, SUITE 1508
KALAMAZOO, MI 49007
TEL. (269) 775-1114

CIVIL ENGINEER:

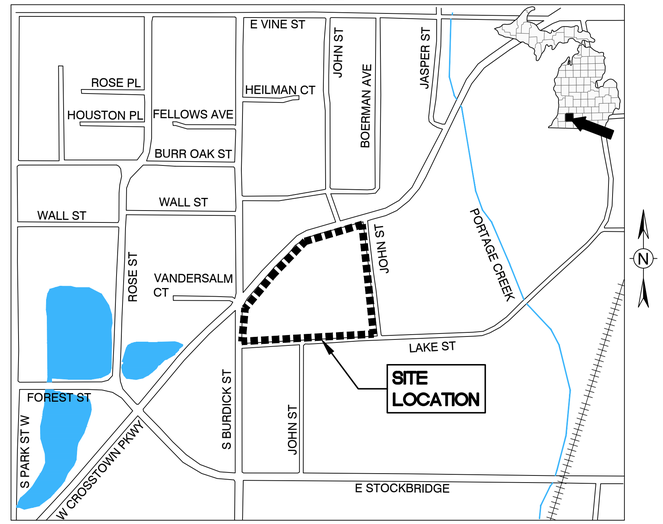
AR ENGINEERING, LLC.
5725 VENTURE PARK DRIVE, SUITE A
KALAMAZOO, MI 49008
TEL. (269) 250-5991 FAX. (866) 569-0604

AR ENGINEERING
CIVIL ENGINEERING & SURVEYING

ANDREW WOLOSZYK. P.E. DATE

LOCATION MAP

NOT TO SCALE



42°16'46.9"N 85°34'53.6"W

LEGAL DESCRIPTION

PARCEL #: 06-22-332-001

7000 SECT 22 T2S R11W COM AT INTERSECTION OF E LI OF SOUTH BURDICK STREET AND N LI OF LAKE STREET, TH N 86DEG 43MIN E ALG SD N LI 667.08FT TO WLY LI OF EASEMENT FOR STREET (LIBER 719 PAGE 403), TH N 1DEG 32MIN 48SEC W ALG SD LI 39.67FT, TH CONT ALG SD LI N 5DEG 9MIN W 249.68FT, TH CONT ALG SD LI N 8DEG 46MIN W 221.06FT, TH CONT ALG SD LI N 12DEG 21MIN 41SEC W 38.75FT TO A PT ON A LI 42FT SLY OF AND PAR WITH TH CTR LI OF CROSSTOWN PARKWAY SD PT BEING 25FT WLY OF THE EASTERN TERMINUS OF SD LI, TH S 75DEG 9MIN W 238.14FT, TH ON A CURVE TO LEFT 169.04FT (R = 289.564FT, CHORD = S 58DEG 22MIN W 167.23FT), TH S 41DEG 35MIN W 343.19FT, TO E LI OF SOUTH BURDICK STREET, TH S ALG SD E LI TO P.O.B. EXC THE W 10FT AND THE S 10FT CONVEYED TO THE CITY OF KALAMAZOO IN LIBER 690 PAGE 329. PARCEL CONTAINS APP. 6.01 ACRES.

SITE DATA

1. PROPERTY INFORMATION:
   PARCEL ID #: *06-22-332-001*
   SITE AREA: 261,969 SF (6.01 AC)
2. ZONING:
   PROPERTY CURRENTLY ZONED:
   LW2 - LIVE-WORK 2 DISTRICT
   ABUTTING PROPERTY CURRENTLY ZONED:
   NORTH: LW1 - LIVE-WORK 1 DISTRICT
   SOUTH: RM15 - RESIDENTIAL, MULTI DWELLING DISTRICT
   EAST: LW2 - LIVE-WORK 2 DISTRICT
   WEST: LW1 - LIVE-WORK 1 DISTRICT
3. LAND USE:
   PROPERTY CURRENT LAND USE:
   CITY OF KALAMAZOO PUBLIC SAFETY BUILDING
   PROPOSED LAND USE NOT CHANGING
   ABUTTING PROPERTY LAND USE:
   NORTH: VACANT
   SOUTH: RESIDENTIAL (NEIGHBORHOOD)
   EAST: OPEN SPACE
   WEST: COMMERCIAL (RESTAURANTS)
4. 2025 MASTER PLAN DEVELOPMENT DESIGNATION OF ADJACENT PARCELS:
   PROPERTY LAND ZONE:
   NEIGHBORHOOD EDGE
   ABUTTING LAND ZONES:
   NORTH: URBAN EDGE
   SOUTH: NEIGHBORHOOD EDGE
   EAST: OPEN SPACE
   WEST: NEIGHBORHOOD EDGE
5. BUILDING LOCATION FROM PROPERTY LINES:
   NORTH: 113'
   SOUTH: < 1'
   EAST: 27'
   WEST: 102'
6. LW2 STANDARD REQUIREMENTS:
   LOT TYPE: CIVIC
   ENTRY TYPE:
   BUILDING SETBACK REQUIREMENTS:
   FRONT: 0-25'
   SIDE: 0'
   REAR: 5' (0' OFF ALLEY, 10' ADJACENT TO R DISTRICT
7. SITE IMPERVIOUS COVERAGE:
   PRE - DEVELOPED: 204,580 SF (78.1%)
   POST - DEVELOPED: 204,221 SF (77.9%)
8. PARKING REQUIREMENTS:
   REQUIRED:
   POLICE/FIRE STATION/UTILITIES & PUBLIC SERVICES
   1 PER EMPLOYEE ON LARGEST SHIFT + 0.75 PER FLEET VEHICLE
   OFFICE
   1 PER 300 SF OF AREA DEDICATED TO OFFICE
   REQUIRED CALCULATION:
   127 EMPLOYEES + 0.75 (30 VEHICLES) +
   9,500 SF OFFICES/300SF =
   127 SPACES + 23 SPACES + 32 SPACES =
   182 PARKING SPACES REQUIRED
   REQUIRED ADA SPACES ***9 REQUIRED SPACES***
   SITE PARKING CALCULATIONS
   PRE-DEVELOPED: 418 SPACES (16 ADA SPACES)
   POST-DEVELOPED: 412 SPACES (14 ADA SPACES)
9. BIKE PARKING REQUIREMENTS:
   SITE EMPLOYEES: 127 EMPLOYEES
   (52 POLICE + 75 CPED)
   REQUIRED: 1 BIKE PARKING SPACE PER 7 EMPLOYEES
   127 EMPLOYEES/7 EMPLOYEES = 18 SPACES
   PROVIDED: 18 SPACES
10. SUBJECT PARCEL IS NOT LOCATED WITHIN OR NEAR HISTORIC DISTRICT.
11. SUBJECT PARCEL IS NOT WITHIN BROWNFIELD REDEVELOPMENT AUTHORITY
12. ACCORDING TO EGLE - RIDE MAPPER, NO SOIL/GROUNDWATER CONTAMINATIONS REPORTED FOR THE SUBJECT PARCEL.
13. SUBJECT PARCEL IS NOT WITHIN NATURAL FEATURES PROTECTION
14. SUBJECT PARCEL IS WITHIN WELLHEAD PROTECTION AREA
15. ACCORDING TO US FISH AND WILDLIFE, SUBJECT SITE CURRENTLY CONTAINS NO WETLANDS.
16. ACCORDING TO FEMA FLOOD MAP, 26077C0187E EFF. 7/31/2024, SUBJECT SITE IS WITHIN ZONE AE. ZONE AE INDICATES AN AREA WITH A HIGH RISK OF FLOODING, SPECIFICALLY DURING THE 100-YEAR FLOOD. 100-YEAR BASE FLOOD ELEVATION = 763.30.
17. DEWATERING THE SITE NOT ANTICIPATED FOR THIS PROJECT

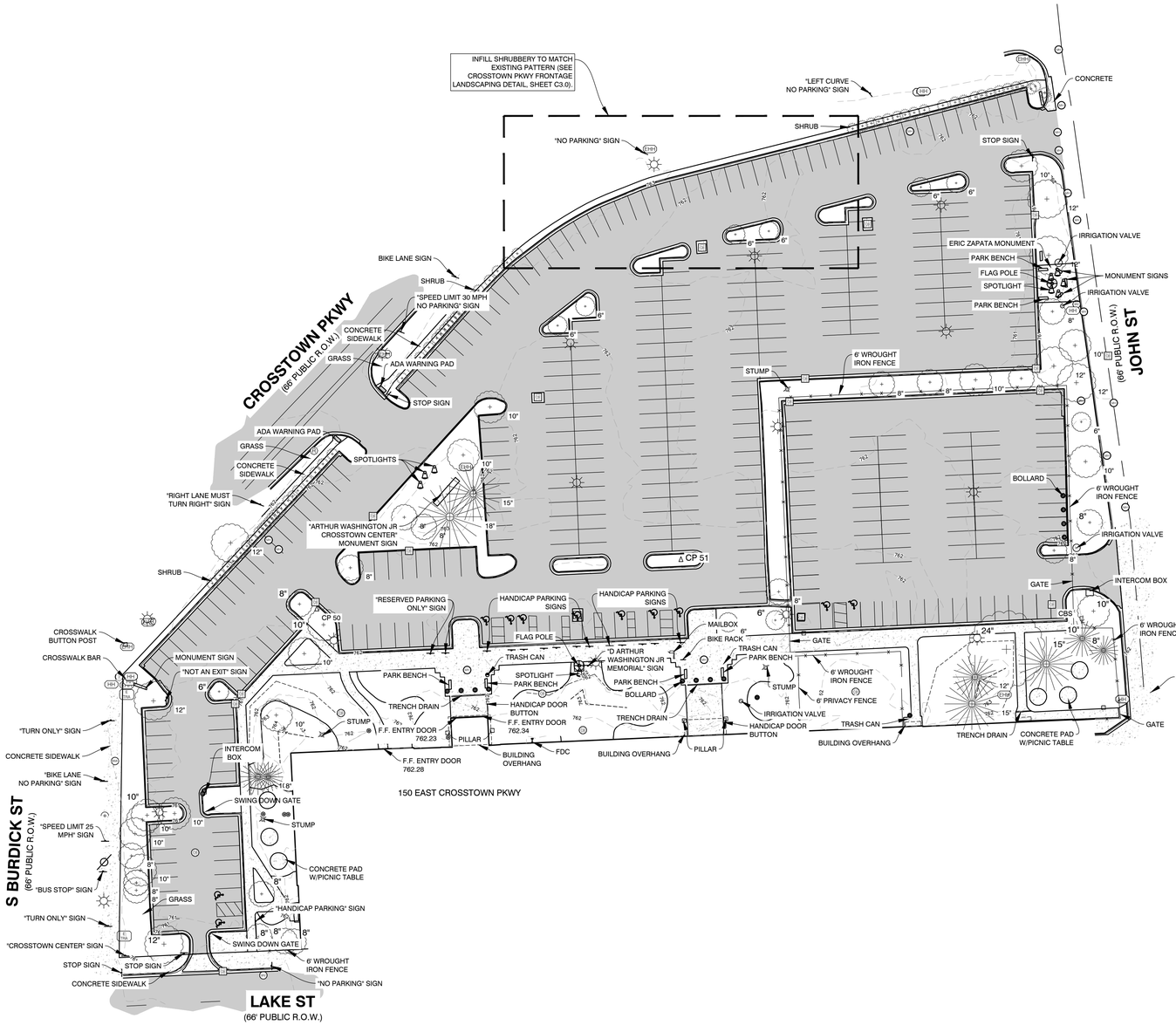
SURVEYOR'S NOTES

1. SUBJECT PROPERTY HAS PEDESTRIAN AND VEHICULAR ACCESS TO E. CROSSTOWN PKWY AND S. BURDICK ST.
2. NO CEMETERIES, GRAVE SITES, OR BURIAL GROUNDS WERE DISCLOSED IN THE RECORD DOCUMENTS OR OBSERVED ON THE SURVEYED PROPERTY AT THE TIME OF SURVEY.
3. UTILITIES SHOWN HEREON HAVE BEEN LOCATED PER AVAILABLE EVIDENCE ON SITE, OR HAVE BEEN SHOWN PER AVAILABLE MAPS PROVIDED BY UTILITY OWNER AND ARE AN APPROXIMATE LOCATION. ADDITIONAL UTILITIES MAY EXIST BUT ARE UNKNOWN TO THE SURVEYOR.
4. SURVEYOR IS NOT AWARE OF ANY CURRENT OR FUTURE RIGHT OF WAY CHANGES.
5. NO EVIDENCE OF RECENT STREET, SIDEWALK, EARTHWORK, OR CONSTRUCTION WAS OBSERVED AT THE TIME OF SURVEY.
6. NO WETLAND FLAGS WERE OBSERVED AT THE TIME OF SURVEY.
7. NO ZONING REPORT WAS PROVIDED AT TIME OF SURVEY.
8. (1) 2 STORY CONCRETE BUILDING ON SITE AT TIME OF SURVEY.
9. 372 SPACES WERE OBSERVED AT TIME OF SURVEY.
10. THE SITE IS LOCATED ON THE SOUTH SIDE OF E CROSSTOWN PWKY.
11. THIS SURVEY WAS PERFORMED ON THE GROUND AND ACCURATELY DEPICTS ANY AND ALL OBSERVABLE BUILDINGS, STRUCTURES AND SITE IMPROVEMENTS AND WAS MADE IN ACCORDANCE WITH LAWS AND/OR MINIMUM STANDARDS OF THE STATE OF MICHIGAN. NO VISIBLE ENCROACHMENTS TO THE SUBJECT PROPERTY OR ADJACENT LAND WERE OBSERVED AT TIME OF SURVEY UNLESS OTHERWISE SHOWN HEREON.
12. THE VERTICAL RELIEF SHOW HEREON WAS PERFORMED BY A GROUND SURVEY.
13. BEARING BASIS: MICHIGAN STATE PLANE SOUTH ZONE (NAD 83).
14. ELEVATION BASIS: NAVD 88.
15. NO BOUNDARY SURVEY WAS PERFORMED AT THE TIME OF SURVEY.

LEGEND

- BENCHMARK
- GUY WIRE
- LIGHT POLE
- UTILITY POLE
- CONTROL POINT
- FLAG POLE
- ELECTRIC HAND HOLE
- ELECTRIC METER
- STORM CATCH BASIN
- SANITARY MANHOLE
- SANITARY CLEANOUT
- WATER VALVE
- IRRIGATION VALVE
- COMMUNICATIONS RISER
- STORM CATCH BASIN
- BOLLARD
- COMMUNICATIONS HANDHOLE
- ELECTRIC TRANSFORMER
- ROAD SIGN
- YARD DRAIN
- FLAG POLE
- SPOTLIGHT
- CONTROL POINT
- MAILBOX
- POST
- FIRE DEPARTMENT CONNECTION
- TRASH CAN
- DECIDUOUS TREE
- CONIFEROUS TREE
- STUMP
- SHRUB

- E — EXISTING ELECTRIC LINE
- F — EXISTING FIBER LINE
- EXISTING FENCE
- ASPHALT PAVEMENT
- CONCRETE PAVEMENT AND SIDEWALK
- GRAVEL PAVEMENT
- BRICK PAVERS



PLANS PREPARED BY:

AR ENGINEERING
CIVIL ENGINEERING & SURVEYING
MICHIGAN | INDIANA | ILLINOIS | OHIO
269.250.5991 PHONE | 866.589.0804 FAX
www.arengineeringllc.com

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EXISTING CONDITIONS

CITY OF KALAMAZOO - CROSSTOWN FACILITY
INTERSECT

PROJECT:
CLIENT:
SITE ADDRESS: 150 E CROSSTOWN PARKWAY, KALAMAZOO, MI 49001
SITE SECTION: SECTION 22, T02S, R11W

811 Know what's below. Call before you dig.

ALL UTILITIES AS SHOWN ARE APPROXIMATE LOCATIONS DERIVED FROM ACTUAL MEASUREMENTS AND AVAILABLE RECORDS. THEY SHOULD NOT BE INTERPRETED TO BE EXACT LOCATION NOR SHOULD IT BE ASSUMED THAT THEY ARE THE ONLY UTILITIES IN THE AREA. FIELD WORK PERFORMED BY: AR ENGINEERING & SURVEYING

JOB NUMBER
24182004

DATE
09/08/2025

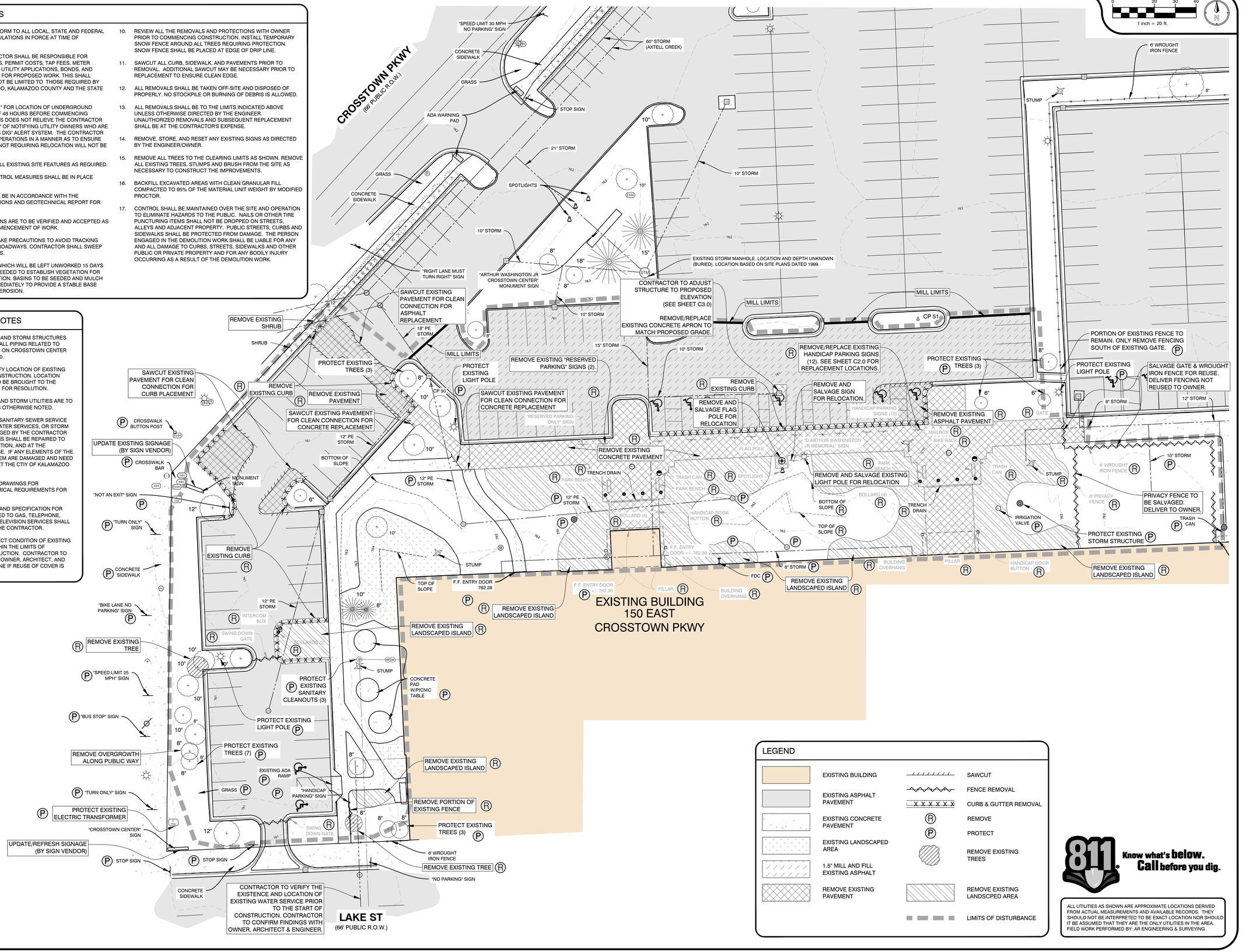
SHEET NUMBER
C1.0

DEMOLITION NOTES

1. ALL WORK SHALL CONFORM TO ALL LOCAL, STATE AND FEDERAL LAWS, RULES AND REGULATIONS IN FORCE AT TIME OF CONSTRUCTION.
2. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS, PERMIT COSTS, TAP FEES, METER DEPOSITS, PERMANENT UTILITY APPLICATIONS, BONDS, AND OTHER FEES REQUIRED FOR PROPOSED WORK. THIS SHALL INCLUDE, BUT SHALL NOT BE LIMITED TO THOSE REQUIRED BY THE CITY OF KALAMAZOO, KALAMAZOO COUNTY AND THE STATE OF MICHIGAN.
3. CONTACT MISS DIG "811" FOR LOCATION OF UNDERGROUND UTILITIES A MINIMUM OF 48 HOURS BEFORE COMMENCING EXCAVATION WORK. THIS DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF NOTIFYING UTILITY OWNERS WHO ARE NOT PART OF THE "MISS DIG" ALERT SYSTEM. THE CONTRACTOR SHALL CONDUCT HIS OPERATIONS IN A MANNER AS TO ENSURE THAT THOSE UTILITIES NOT REQUIRING RELOCATION WILL NOT BE DISTURBED.
4. DEMOLISH & REMOVE ALL EXISTING SITE FEATURES AS REQUIRED.
5. ALL SOIL EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO DEMOLITION.
6. ALL EXCAVATION SHALL BE IN ACCORDANCE WITH THE TECHNICAL SPECIFICATIONS AND GEOTECHNICAL REPORT FOR THIS SITE.
7. ALL EXISTING ELEVATIONS ARE TO BE VERIFIED AND ACCEPTED AS SHOWN PRIOR TO COMMENCEMENT OF WORK.
8. CONTRACTOR SHALL TAKE PRECAUTIONS TO AVOID TRACKING SOIL ONTO ADJACENT ROADWAYS. CONTRACTOR SHALL SWEEP IMMEDIATELY IF OCCURS.
9. ANY DISTURBED AREA WHICH WILL BE LEFT UNWORKED 15 DAYS OR LONGER MUST BE SEEDED TO ESTABLISH VEGETATION FOR TEMPORARY STABILIZATION. BASINS TO BE SEEDED AND MULCH BLANKETS APPLIED IMMEDIATELY TO PROVIDE A STABLE BASE AND AVOID EXCESSIVE EROSION.
10. REVIEW ALL THE REMOVALS AND PROTECTIONS WITH OWNER PRIOR TO COMMENCING CONSTRUCTION. INSTALL TEMPORARY SNOW FENCE AROUND ALL TREES REQUIRING PROTECTION. SNOW FENCE SHALL BE PLACED AT EDGE OF DRIP LINE.
11. SAWCUT ALL CURB, SIDEWALK, AND PAVEMENTS PRIOR TO REMOVAL. ADDITIONAL SAWCUT MAY BE NECESSARY PRIOR TO REPLACEMENT TO ENSURE CLEAN EDGE.
12. ALL REMOVALS SHALL BE TAKEN OFF-SITE AND DISPOSED OF PROPERLY. NO STOCKPILE OR BURNING OF DEBRIS IS ALLOWED.
13. ALL REMOVALS SHALL BE TO THE LIMITS INDICATED ABOVE UNLESS OTHERWISE DIRECTED BY THE ENGINEER. UNAUTHORIZED REMOVALS AND SUBSEQUENT REPLACEMENT SHALL BE AT THE CONTRACTOR'S EXPENSE.
14. REMOVE, STORE, AND RESET ANY EXISTING SIGNS AS DIRECTED BY THE ENGINEER/OWNER.
15. REMOVE ALL TREES TO THE CLEARING LIMITS AS SHOWN. REMOVE ALL EXISTING TREES, STUMPS AND BRUSH FROM THE SITE AS NECESSARY TO CONSTRUCT THE IMPROVEMENTS.
16. BACKFILL EXCAVATED AREAS WITH CLEAN GRANULAR FILL COMPACTED TO 95% OF THE MATERIAL UNIT WEIGHT BY MODIFIED PROCTOR.
17. CONTROL SHALL BE MAINTAINED OVER THE SITE AND OPERATION TO ELIMINATE HAZARDS TO THE PUBLIC. NAILS OR OTHER TIRE PUNCTURING ITEMS SHALL NOT BE DROPPED ON STREETS, ALLEYS AND ADJACENT PROPERTY. PUBLIC STREETS, CURBS AND SIDEWALKS SHALL BE PROTECTED FROM DAMAGE. THE PERSON ENGAGED IN THE DEMOLITION WORK SHALL BE LIABLE FOR ANY AND ALL DAMAGE TO CURBS, STREETS, SIDEWALKS AND OTHER PUBLIC OR PRIVATE PROPERTY AND FOR ANY BODILY INJURY OCCURRING AS A RESULT OF THE DEMOLITION WORK.

EXISTING UTILITY NOTES

1. ALL WATER, SANITARY, AND STORM STRUCTURES SHOWN AS SURVEYED. ALL PIPING RELATED TO THESE UTILITIES BASED ON CROSSTOWN CENTER PLANS DATED 11/30/2000.
2. CONTRACTOR TO VERIFY LOCATION OF EXISTING UTILITIES PRIOR TO CONSTRUCTION. LOCATION DISCREPANCIES ARE TO BE BROUGHT TO THE ENGINEER'S ATTENTION FOR RESOLUTION.
3. ALL WATER, SANITARY AND STORM UTILITIES ARE TO BE PROTECTED UNLESS OTHERWISE NOTED.
4. ANY SANITARY SEWER, SANITARY SEWER SERVICE LEADS, WATER MAIN, WATER SERVICES, OR STORM SEWER WHICH IS DAMAGED BY THE CONTRACTOR DURING HIS OPERATIONS SHALL BE REPAIRED TO THE OWNERS SATISFACTION, AND AT THE CONTRACTORS EXPENSE. IF ANY ELEMENTS OF THE SANITARY SEWER SYSTEM ARE DAMAGED AND NEED REPAIRED, IT MUST MEET THE CTIY OF KALAMAZOO SPECIFICATIONS.
5. REFER TO ELECTRICAL DRAWINGS FOR UNDERGROUND ELECTRICAL REQUIREMENTS FOR SITE.
6. DESIGN, INSTALLATION AND SPECIFICATION FOR IMPROVEMENTS RELATED TO GAS, TELEPHONE, ELECTRIC AND CABLE TELEVISION SERVICES SHALL BE COORDINATED BY THE CONTRACTOR.
7. CONTRACTOR TO INSPECT CONDITION OF EXISTING MANHOLE COVERS WITHIN THE LIMITS OF DISTURBANCE/CONSTRUCTION. CONTRACTOR TO REPORT CONDITION TO OWNER, ARCHITECT, AND ENGINEER TO DETERMINE IF REUSE OF COVER IS ACCEPTABLE.



LEGEND

- EXISTING BUILDING
- EXISTING ASPHALT PAVEMENT
- EXISTING CONCRETE PAVEMENT
- EXISTING LANDSCAPED AREA
- 1.5" MILL AND FILL EXISTING ASPHALT
- REMOVE EXISTING PAVEMENT
- SAWCUT
- FENCE REMOVAL
- CURB & GUTTER REMOVAL
- (R) REMOVE
- (P) PROTECT
- REMOVE EXISTING TREES
- REMOVE EXISTING LANDSCPED AREA
- LIMITS OF DISTURBANCE

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0	CHECKLIST MEETING SUBMITTAL	07/31/2025	tc
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DEMOLITION PLAN
CITY OF KALAMAZOO - CROSSTOWN FACILITY INTERSECT
150 E CROSSTOWN PARKWAY, KALAMAZOO, MI 49001
SECTION 22, T02S, R11W

PROJECT:
CLIENT:
SITE ADDRESS:
SITE SECTION:

JOB NUMBER 24182004

DATE 09/08/2025

SHEET NUMBER C1.1

GRADING - SESC NOTES

1. MATCH EXISTING GRADES AROUND PERIMETER WITH SLOPES AS SHOWN.
2. ALL SPOT ELEVATIONS ARE TOP OF PAVEMENT GRADES AT EDGE OF METAL (EOM) UNLESS OTHERWISE NOTED.
3. ALL SOIL EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO MASS GRADING.
4. ALL EXISTING ELEVATIONS ARE TO BE VERIFIED AND ACCEPTED AS SHOWN PRIOR TO COMMENCEMENT OF WORK.
5. CONTRACTOR SHALL TAKE PRECAUTIONS TO AVOID TRACKING SOIL ONTO ADJACENT ROADWAYS. CONTRACTOR SHALL SWEEP IMMEDIATELY IF OCCURS.
6. ANY DISTURBED AREA WHICH WILL BE LEFT UNWORKED 15 DAYS OR LONGER MUST BE SEEDED TO ESTABLISH VEGETATION FOR TEMPORARY STABILIZATION. BASINS TO BE SEEDED AND MULCH BLANKETS APPLIED IMMEDIATELY TO PROVIDE A STABLE BASE AND AVOID EXCESSIVE EROSION.
7. PROPOSED GRADES SHALL REMAIN CONSISTENT TO THE GRADES OF THE EXISTING SITE, UNLESS OTHERWISE NOTED.

SOIL EROSION & SEDIMENT CONTROL NOTES

1 ALL CONSTRUCTION METHODS SHALL BE DONE IN COMPLIANCE WITH MDOT - EGLE, THE OWNER SHALL BE RESPONSIBLE FOR OBTAINING A "SOIL EROSION PERMIT" FROM THE GOVERNING AUTHORITY AND A "PERMIT BY RULE/NOTICE OF COVERAGE" FROM THE GOVERNING AUTHORITY, IF APPLICABLE, PRIOR TO START OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH ALL REQUIREMENTS OF THE "SOIL EROSION PERMIT" AND FOR ALL CERTIFIED STORM WATER INSPECTION SERVICE REQUIRED BY THE "PERMIT BY RULE." EROSION CONTROL MEASURES SHOWN ON THE PLANS ARE THE MINIMUM REQUIREMENTS AND SHALL NOT RELIEVE THE CONTRACTOR'S RESPONSIBILITY FOR PROVIDING ALL REQUIRED EROSION CONTROL MEASURES.

2. AVOID UNNECESSARY DISTURBING OR REMOVING OF EXISTING VEGETATED TOPSOIL OR EARTH COVER, THESE COVER AREAS ACT AS SEDIMENT FILTERS.

3. ALL TEMPORARY SOIL EROSION PROTECTION SHALL REMAIN IN PLACE UNTIL REMOVAL IS REQUIRED FOR FINAL CLEAN UP AND APPROVAL.

4. GEOTEXTILE SILT FENCE SHALL BE INSTALLED AS REQUIRED WHEN CROSSING CREEKS OR WHEN ADJACENT TO WETLANDS OR SURFACE WATER BODIES TO PREVENT SILTATION AND ELSEWHERE AS DIRECTED BY THE ENGINEER. SEEDING AND/OR SODDING SHALL BE INSTALLED ON CREEK BANKS IMMEDIATELY AFTER CONSTRUCTION TO PREVENT EROSION.

5. MAINTENANCE, CLEANING, AND REMOVAL OF THE VARIOUS SEDIMENT CONTROL MEASURES SHALL BE INCLUDED IN THE VARIOUS EROSION CONTROL ITEMS.

ALL SOIL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE PER MDOT STANDARD DETAILS. "P" DENOTES PERMANENT MEASURE AND "T" DENOTES TEMPORARY MEASURE. SOIL EROSION CONTROL PLANS DENOTE MINIMUM EROSION MEASURES REQUIRED AS DESCRIBED BELOW.

(##)

(3P) DENOTES PERMANENT SEEDING. ALL DISTURBED AREAS NOT PAVED OR GRAVELED SHALL BE RESTORED. PLACE TOPSOIL SURFACE, SALV, 3 INCH, MDOT SEEDING, MIXTURE TUF APPLIED AT A RATE OF 220 LB/ACRE, FERTILIZER, CHEMICAL NUTRIENT, CL A APPLIED AT A RATE OF 228 LB/ACRE; MULCH AT A RATE OF 2 TON/ACRE AND MULCH ANCHORING. (APPLIES TO ENTIRE PROJECT)

(4T) DENOTES DUST CONTROL. DUST CONTROL MAY BE REQUIRED ON THE SUBGRADE CONSTRUCTION AND WILL INCLUDE APPLYING FRESH WATER TO BE INCLUDED IN THE ITEM OF EMBANKMENT. DUST CONTROL ON THE AGGREGATE BASE COURSE WILL BE ACCOMPLISHED BY APPLYING FRESH WATER (INCLUDED IN THE ITEM OF AGGREGATE BASE, 6 INCH) AND APPLYING DUST PALLIATIVE, APPLIED, $CACL_2$ (TON) AS DIRECTED BY THE PROJECT ENGINEER.

(8P) DENOTES AGGREGATE COVER/PERMANENT PAVEMENT RESTORATION

(29T) DENOTES INLET PROTECTION FABRIC DROP. SHALL BE INSTALLED AT EXISTING AND PROPOSED STORM SEWER INLETS TO PROVIDE SETTLING AND FILTERING OF SILT LADEN WATER PRIOR TO ENTRY INTO THE DRAINAGE SYSTEM.

LEGEND

- EXISTING BUILDING
- EXISTING ASPHALT PAVEMENT
- EXISTING CONCRETE PAVEMENT
- EXISTING LANDSCAPED AREA
- PROPOSED BUILDING ADDITION TO ENTRANCE
- PROPOSED ASPHALT FULL DEPTH REPLACEMENT (SEE DETAIL, THIS SHEET)
- PROPOSED ASPHALT 1.5" MILL AND OVERLAY REPLACEMENT. USE MDOT 5E-1 ASPHALT WEARING COURSE
- PROPOSED CONCRETE PAVEMENT
- PROPOSED NEW LANDSCAPED AREA.
- FROST SLAB, SEE STRUCTURAL SHEETS
- PROPOSED CURB (TO MATCH EXISTING CURB)
- LIMITS OF DISTURBANCE
- 1 / Xx — NUMBER AND TYPE OF PLANTS TO BE PROVIDED AND INSTALLED

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GRASS SPECIES LEGEND

- PENNSYLVANIA SEDGE
- PENNSYLVANIA SEDGE OR OTHER ORNAMENTAL GRASS UP TO 18" TALL
- JAPANESE FOREST GRASS
- OSTRICH FERN
- REPLANT SALVAGED ORNAMENTAL GRASSES FROM AREAS OF CONSTRUCTION

Shrub Planting Schedule

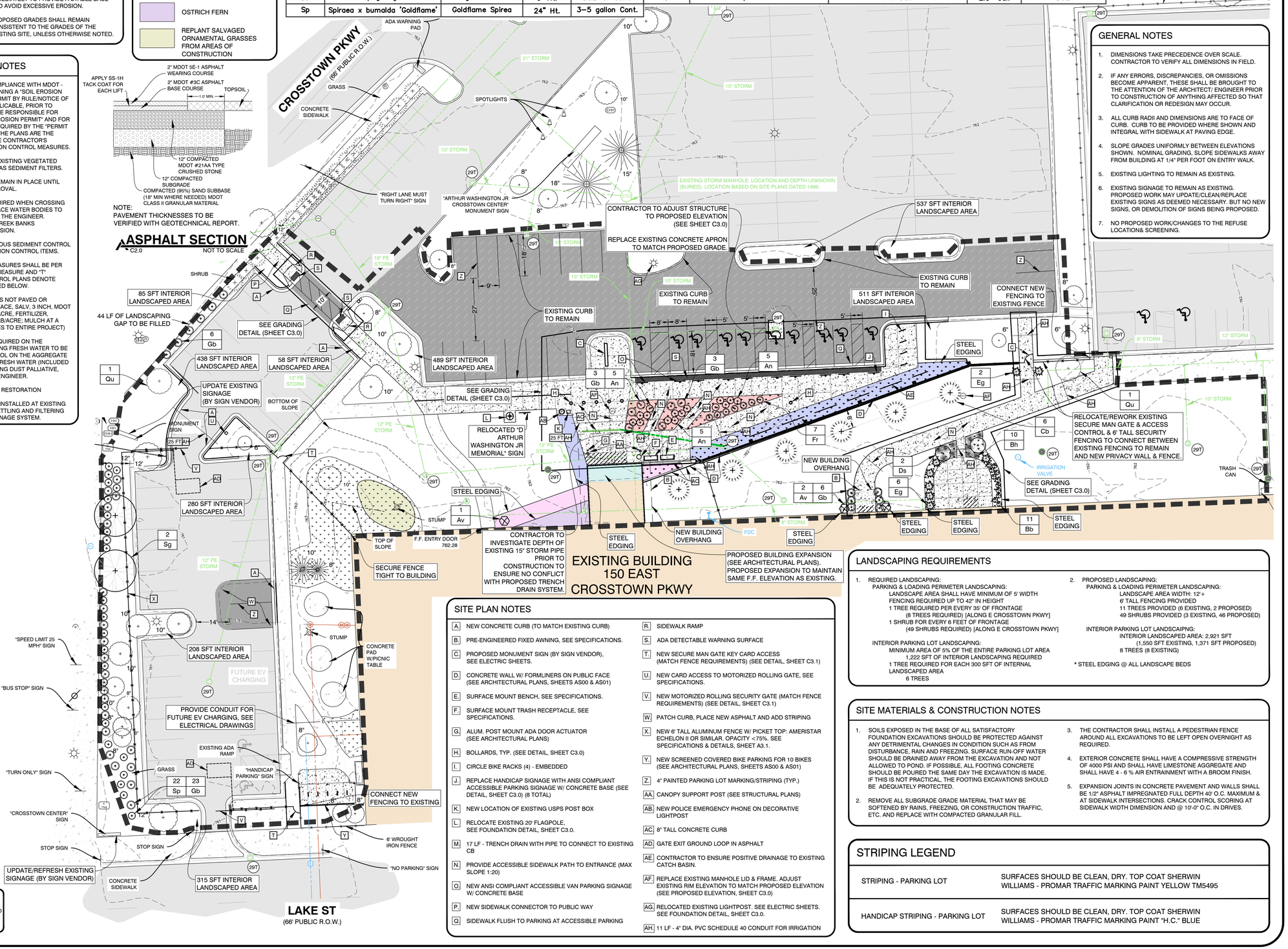
Symbol	Latin Name	Common Name	Size	Container Type
Gb	Buxus 'Green Gem'	Green Gem Boxwood	24" Ht.	B&B or Cont.
Fr	Calamagrostis x acutiflora	Feather Reed Grass	24" Ht.	B&B or Cont.
An	Andropogon gerardii Vitman	Big Bluestem	24" Ht.	B&B or Cont.
Av	Viburnum dentatum	Arrowwood Viburnum	24" Ht.	B&B or Cont.
Bh	Hosta sieboldiana 'Elegans'	Big Blue Hosta	24" Ht.	B&B or Cont.
Bb	Andropogon gerardii	Big Bluestem	5' Ht.	B&B Or Cont.
Sp	Spiraea x bumalda 'Goldflame'	Goldflame Spirea	24" Ht.	3–5 gallon Cont.

Tree Planting Schedule

Symbol	Latin Name	Common Name	Size	Container Type
Jv	Juniperus virginiana	Eastern Red Cedar	6–8'	B&B
Sg	Liquidambar styraciflua	Sweetgum	2.5" Cal.	B&B
Cb	Carpinus betulus 'Frans Fontaine'	Frans Fontaine Hornbeam	2.5" Cal.	B&B
Eg	Thuja occidentalis 'Smaragd'	Emerald Green Arborvitae	2.5" Cal.	B&B
Ds	Amelanchier arborea (Michx. f.) Fern	Downy Serviceberry	2.5" Cal.	B&B
Qu	Quercus palustris Muenchh	Pin Oak	2.5" Cal.	B&B

NOTE:
PAVEMENT THICKNESSES TO BE VERIFIED WITH GEOTECHNICAL REPORT.

ASPHALT SECTION C2.0 NOT TO SCALE



GENERAL NOTES

1. DIMENSIONS TAKE PRECEDENCE OVER SCALE. CONTRACTOR TO VERIFY ALL DIMENSIONS IN FIELD.
2. IF ANY ERRORS, DISCREPANCIES, OR OMISSIONS BECOME APPARENT, THESE SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ ENGINEER PRIOR TO CONSTRUCTION OF ANYTHING AFFECTED SO THAT CLARIFICATION OR REDESIGN MAY OCCUR.
3. ALL CURB RADII AND DIMENSIONS ARE TO FACE OF CURB. CURB TO BE PROVIDED WHERE SHOWN AND INTEGRAL WITH SIDEWALK AT PAVING EDGE.
4. SLOPE GRADES UNIFORMLY BETWEEN ELEVATIONS SHOWN. NOMINAL GRADING, SLOPE SIDEWALKS AWAY FROM BUILDING AT 1/4" PER FOOT ON ENTRY WALK.
5. EXISTING LIGHTING TO REMAIN AS EXISTING.
6. EXISTING SIGNAGE TO REMAIN AS EXISTING. PROPOSED WORK MAY UPDATE/CLEAN/REPLACE EXISTING SIGNS AS DEEMED NECESSARY. BUT NO NEW SIGNS, OR DEMOLITION OF SIGNS BEING PROPOSED.
7. NO PROPOSED WORK/CHANGES TO THE REFUSE LOCATION& SCREENING.

SITE PLAN NOTES

- A. NEW CONCRETE CURB (TO MATCH EXISTING CURB)
- B. PRE-ENGINEERED FIXED AWNING, SEE SPECIFICATIONS.
- C. PROPOSED MONUMENT SIGN (BY SIGN VENDOR), SEE ELECTRIC SHEETS.
- D. CONCRETE WALL W/ FORMLINERS ON PUBLIC FACE (SEE ARCHITECTURAL PLANS, SHEETS AS00 & AS01)
- E. SURFACE MOUNT BENCH, SEE SPECIFICATIONS.
- F. SURFACE MOUNT TRASH RECEPTACLE, SEE SPECIFICATIONS.
- G. ALUM. POST MOUNT ADA DOOR ACTUATOR (SEE ARCHITECTURAL PLANS)
- H. BOLLARDS, TYP. (SEE DETAIL, SHEET C3.0)
- I. CIRCLE BIKE RACKS (4) - EMBEDDED
- J. REPLACE HANDICAP SIGNAGE WITH ANSI COMPLIANT ACCESSIBLE PARKING SIGNAGE W/ CONCRETE BASE (SEE DETAIL, SHEET C3.0) (8 TOTAL)
- K. NEW LOCATION OF EXISTING USPS POST BOX
- L. RELOCATE EXISTING 20' FLAGPOLE, SEE FOUNDATION DETAIL, SHEET C3.0.
- M. 17 LF - TRENCH DRAIN WITH PIPE TO CONNECT TO EXISTING CB
- N. PROVIDE ACCESSIBLE SIDEWALK PATH TO ENTRANCE (MAX SLOPE 1:20)
- O. NEW ANSI COMPLIANT ACCESSIBLE VAN PARKING SIGNAGE W/ CONCRETE BASE
- P. NEW SIDEWALK CONNECTOR TO PUBLIC WAY
- Q. SIDEWALK FLUSH TO PARKING AT ACCESSIBLE PARKING
- R. SIDEWALK RAMP
- S. ADA DETECTABLE WARNING SURFACE
- T. NEW SECURE MAN GATE KEY CARD ACCESS (MATCH FENCE REQUIREMENTS) (SEE DETAIL, SHEET C3.1)
- U. NEW CARD ACCESS TO MOTORIZED ROLLING GATE, SEE SPECIFICATIONS.
- V. NEW MOTORIZED ROLLING SECURITY GATE (MATCH FENCE REQUIREMENTS) (SEE DETAIL, SHEET C3.1)
- W. PATCH CURB, PLACE NEW ASPHALT AND ADD STRIPING
- X. NEW 6' TALL ALUMINUM FENCE W/ PICKET TOP: AMERISTAR ECHELON II OR SIMILAR. OPACITY <75%. SEE SPECIFICATIONS & DETAILS, SHEET A3.1.
- Y. NEW SCREENED COVERED BIKE PARKING FOR 10 BIKES (SEE ARCHITECTURAL PLANS, SHEETS AS00 & AS01)
- Z. 4" PAINTED PARKING LOT MARKING/STRIPING (TYP.)
- AA. CANOPY SUPPORT POST (SEE STRUCTURAL PLANS)
- AB. NEW POLICE EMERGENCY PHONE ON DECORATIVE LIGHTPOST
- AC. 8" TALL CONCRETE CURB
- AD. GATE EXIT GROUND LOOP IN ASPHALT
- AE. CONTRACTOR TO ENSURE POSITIVE DRAINAGE TO EXISTING CATCH BASIN.
- AF. REPLACE EXISTING MANHOLE LID & FRAME. ADJUST EXISTING RIM ELEVATION TO MATCH PROPOSED ELEVATION (SEE PROPOSED ELEVATION, SHEET C3.0)
- AG. RELOCATED EXISTING LIGHTPOST. SEE ELECTRIC SHEETS. SEE FOUNDATION DETAIL, SHEET C3.0.
- AH. 11 LF - 4" DIA. PVC SCHEDULE 40 CONDUIT FOR IRRIGATION

LANDSCAPING REQUIREMENTS

1. REQUIRED LANDSCAPING:
   PARKING & LOADING PERIMETER LANDSCAPING:
   LANDSCAPE AREA SHALL HAVE MINIMUM OF 5' WIDTH
   FENCING REQUIRED UP TO 42" IN HEIGHT
   1 TREE REQUIRED PER EVERY 35' OF FRONTAGE
   (8 TREES REQUIRED) [ALONG E CROSSTOWN PKWY]
   1 SHRUB FOR EVERY 6 FEET OF FRONTAGE
   (49 SHRUBS REQUIRED) [ALONG E CROSSTOWN PKWY]
   INTERIOR PARKING LOT LANDSCAPING:
   MINIMUM AREA OF 5% OF THE ENTIRE PARKING LOT AREA
   1,222 SFT OF INTERIOR LANDSCAPING REQUIRED
   1 TREE REQUIRED FOR EACH 300 SFT OF INTERNAL LANDSCAPED AREA
   6 TREES
2. PROPOSED LANDSCAPING:
   PARKING & LOADING PERIMETER LANDSCAPING:
   LANDSCAPE AREA WIDTH: 12'+
   6' TALL FENCING PROVIDED
   11 TREES PROVIDED (6 EXISTING, 2 PROPOSED)
   49 SHRUBS PROVIDED (3 EXISTING, 46 PROPOSED)
   INTERIOR PARKING LOT LANDSCAIPNG:
   INTERIOR LANDSCAPED AREA: 2,921 SFT
   (1,550 SFT EXISTING, 1,371 SFT PROPOSED)
   8 TREES (8 EXISTING)

* STEEL EDGING @ ALL LANDSCAPE BEDS

SITE MATERIALS & CONSTRUCTION NOTES

1. SOILS EXPOSED IN THE BASE OF ALL SATISFACTORY FOUNDATION EXCAVATIONS SHOULD BE PROTECTED AGAINST ANY DETRIMENTAL CHANGES IN CONDITION SUCH AS FROM DISTURBANCE, RAIN AND FREEZING. SURFACE RUN-OFF WATER SHOULD BE DRAINED AWAY FROM THE EXCAVATION AND NOT ALLOWED TO POND. IF POSSIBLE, ALL FOOTING CONCRETE SHOULD BE POURED THE SAME DAY THE EXCAVATION IS MADE. IF THIS IS NOT PRACTICAL, THE FOOTING EXCAVATIONS SHOULD BE ADEQUATELY PROTECTED.
2. REMOVE ALL SUBGRADE GRADE MATERIAL THAT MAY BE SOFTENED BY RAINS, FREEZING, OR CONSTRUCTION TRAFFIC, ETC. AND REPLACE WITH COMPACTED GRANULAR FILL.
3. THE CONTRACTOR SHALL INSTALL A PEDESTRIAN FENCE AROUND ALL EXCAVATIONS TO BE LEFT OPEN OVERNIGHT AS REQUIRED.
4. EXTERIOR CONCRETE SHALL HAVE A COMPRESSIVE STRENGTH OF 4000 PSI AND SHALL HAVE LIMESTONE AGGREGATE AND SHALL HAVE 4 - 6 % AIR ENTRAINMENT WITH A BROOM FINISH.
5. EXPANSION JOINTS IN CONCRETE PAVEMENT AND WALLS SHALL BE 1/2" ASPHALT IMPREGNATED FULL DEPTH 40' O.C. MAXIMUM & AT SIDEWALK INTERSECTIONS. CRACK CONTROL SCORING AT SIDEWALK WIDTH DIMENSION AND @ 10'-0" O.C. IN DRIVES.

STRIPING LEGEND

STRIPING - PARKING LOT	SURFACES SHOULD BE CLEAN, DRY. TOP COAT SHERWIN WILLIAMS - PROMAR TRAFFIC MARKING PAINT YELLOW TM5495
HANDICAP STRIPING - PARKING LOT	SURFACES SHOULD BE CLEAN, DRY. TOP COAT SHERWIN WILLIAMS - PROMAR TRAFFIC MARKING PAINT "H.C." BLUE

0 20 30 40 — 1 inch = 20 ft.

PLANS PREPARED BY:
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2			
3			
4			

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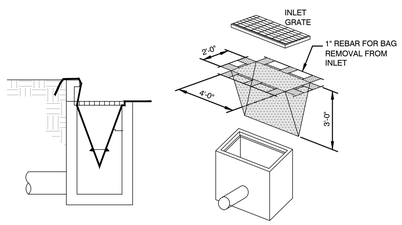
SITE LAYOUT PLAN
CITY OF KALAMAZOO - CROSSTOWN FACILITY INTERSECT
150 E CROSSTOWN PARKWAY, KALAMAZOO, MI 49001
SECTION 22, T02S, R11W

PROJECT:
CLIENT:
SITE ADDRESS:
SITE SECTION:

JOB NUMBER
24182004

DATE
09/08/2025

SHEET NUMBER
C2.0



INSTALLATION DETAIL | **ISOMETRIC VIEW**

WHEN:
WHEN SEDIMENT LADEN STORMWATER REQUIRES TREATMENT BEFORE ENTERING A STORM WATER DRAINAGE SYSTEM.

WHY:
TO PREVENT SEDIMENT FROM ENTERING STORM WATER SYSTEMS.

WHERE:
USE IN OR AT STORM WATER INLETS, ESPECIALLY AT CONSTRUCTION SITES OR IN STREETS.

HOW:
1. A FILTER FABRIC BAG IS HUNG INSIDE THE INLET, BENEATH THE GRATE.
2. REPLACE GRATE, WHICH WILL HOLD BAG IN PLACE.
3. ANCHOR FILTER BAG WITH 1" REBAR FOR REMOVAL FROM INLET.
4. FLAPS OF BAG THAT EXTEND BEYOND THE BAG CAN BE BURIED IN SOIL IN EARTH AREAS.

MAINTENANCE:
DROP INLET FILTERS SHOULD BE INSPECTED ROUTINELY AND AFTER EACH MAJOR RAIN EVENT.

DAMAGED FILTER BAGS SHOULD BE REPLACED.

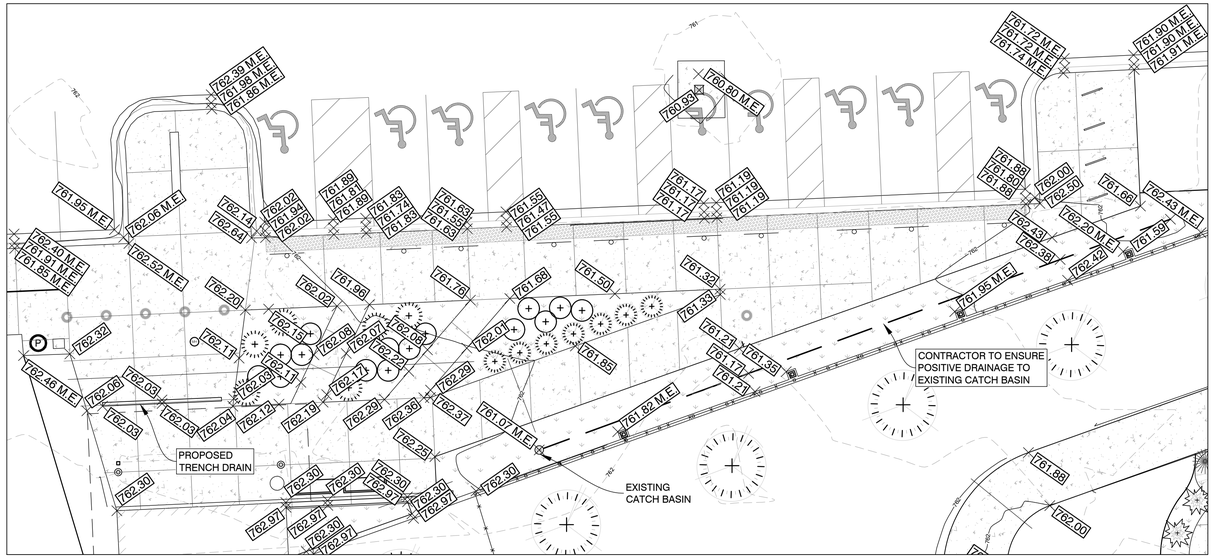
CLEAN AND/OR REPLACE FILTER BAG WHEN 1/2 FULL.

REPLACE CLOGGED FABRIC IMMEDIATELY.

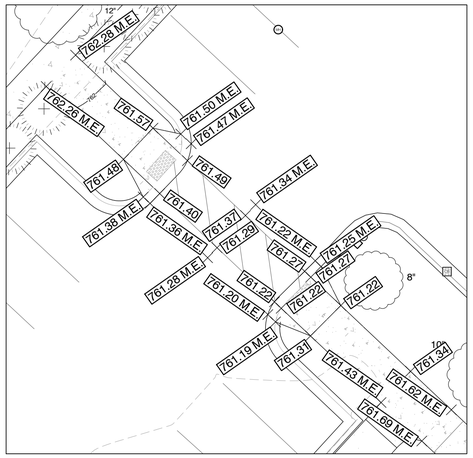
IF NEEDED, INITIATE REPAIRS IMMEDIATELY UPON INSPECTION.

REMOVE ENTIRE PROTECTIVE MECHANISM WHEN UPGRADIENT AREAS ARE STABILIZED AND STREETS HAVE BEEN SWEPT.

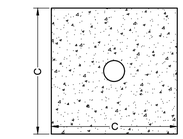
INLET PROTECTION - SILT SACK
C3.0 — NOT TO SCALE



ADA CROSSWALK GRADING DETAIL
C3.0 — 1 INCH = 10 FEET



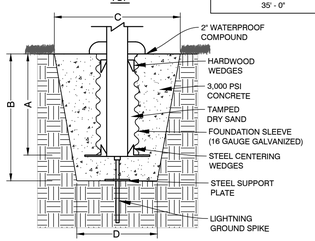
ADA CROSSWALK GRADING DETAIL
C3.0 — 1 INCH = 10 FEET



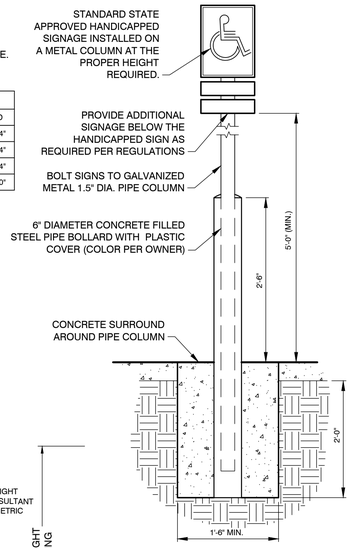
TOP

NOTE:
CONTRACTOR TO REUSE EXISTING FLAG POLE. CONTRACTOR TO BASE DIMENSIONS ON MOUNTING HEIGHT OF FLAG POLE.

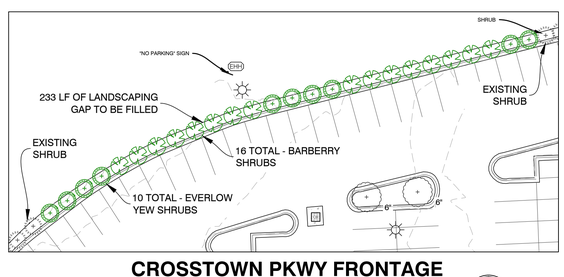
FLAGPOLE FOUNDATION DIMENSIONS				
FLAGPOLE MOUNTING HEIGHT	A	B	C	D
20' - 0"	2' - 0"	2' - 6"	30"	24"
25' - 0"	2' - 6"	3' - 0"	36"	24"
30' - 0"	3' - 0"	3' - 6"	36"	24"
35' - 0"	3' - 6"	4' - 0"	36"	30"



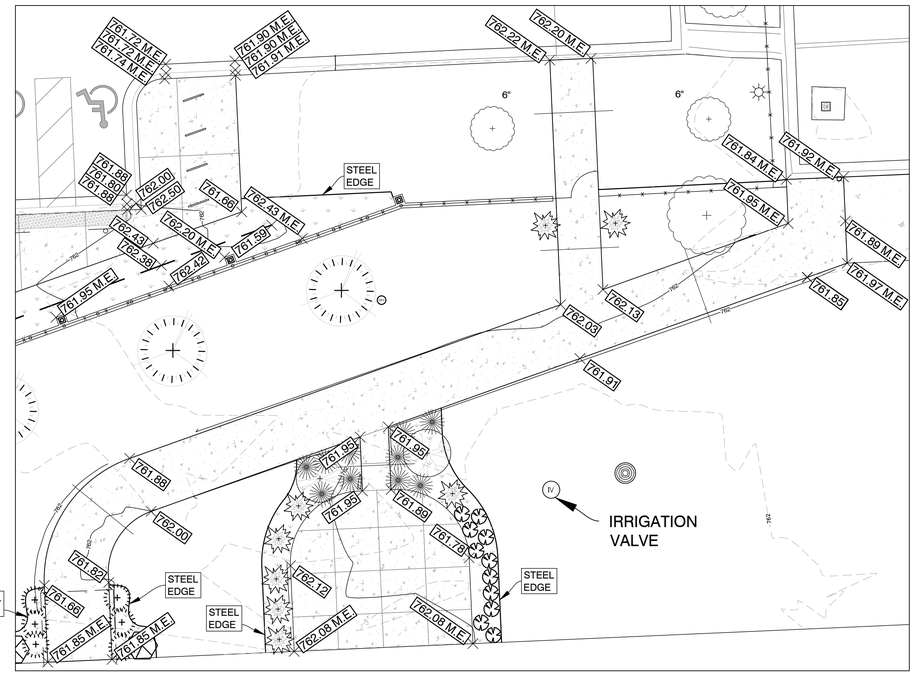
FLAG POLE DETAIL
C3.0 — NOT TO SCALE



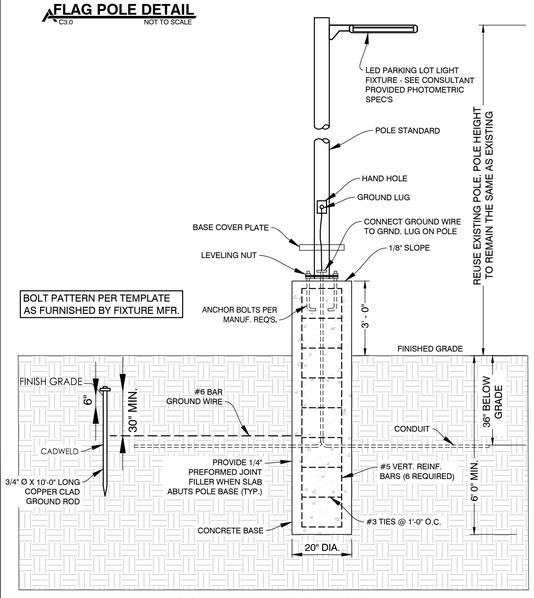
HANDICAP PARKING SIGN DETAIL
C3.0 — NOT TO SCALE



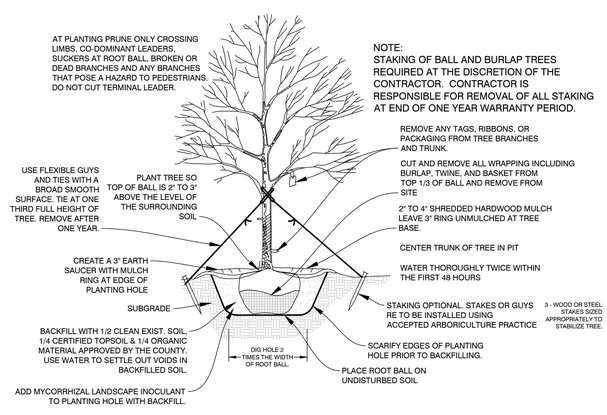
CROSSTOWN PKWY FRONTAGE LANDSCAPING DETAIL
C3.0 — 1 INCH = 30 FEET



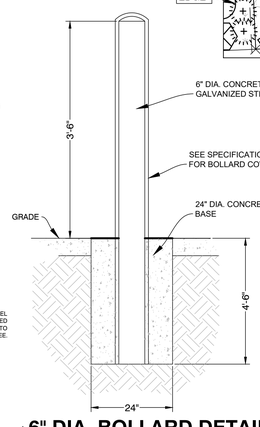
PATIO GRADING DETAIL
C3.0 — 1 INCH = 10 FEET



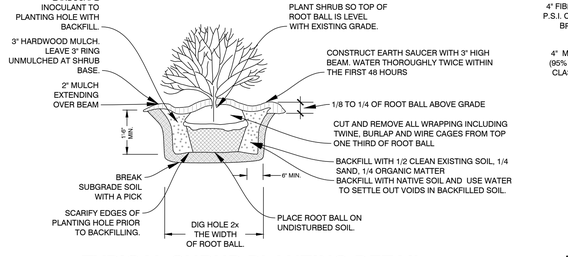
LIGHT POST DETAIL
C3.0 - 090110 — NOT TO SCALE



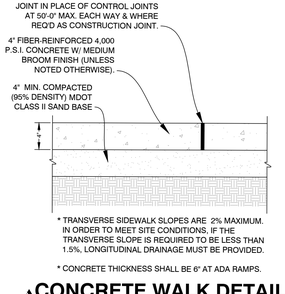
TYPICAL DECIDUOUS TREE PLANTING DETAIL
C3.0 — NOT TO SCALE



6" DIA. BOLLARD DETAIL
C3.0 — NOT TO SCALE



TYPICAL SHRUB PLANTING DETAIL
C3.0 — NOT TO SCALE



CONCRETE WALK DETAIL
C3.0 — NOT TO SCALE

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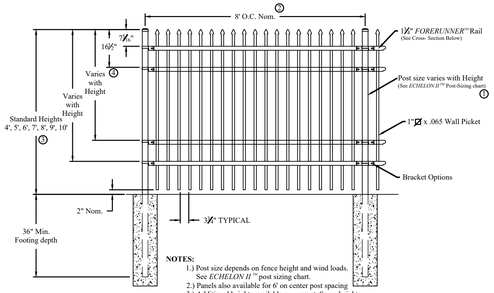
DETAILS

PROJECT: CITY OF KALAMAZOO - CROSSTOWN FACILITY
CLIENT: INTERSECT
SITE ADDRESS: 150 E CROSSTOWN PARKWAY, KALAMAZOO, MI 49001
SITE SECTION: SECTION 22, T02S, R11W

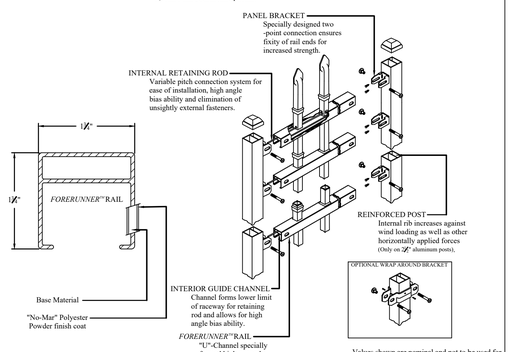
JOB NUMBER
24182004

DATE
09/08/2025

SHEET NUMBER
C3.0



NOTES:
1.) Post size depends on fence height and wind loads. See *ECHELON II* ™ post sizing chart.
2.) Panels also available for 6' on center post spacing
3.) Additional heights available on request. Some heights noted require a third and/or fourth rail.
4.) Third and Fourth rail optional.



Values shown are nominal and not to be used for installation purposes. See product specification for installation requirements.

INDUSTRIAL STRENGTH ALUMINUM

2ACI50G

ECHELON II CLASSIC 2/3/4-RAIL			
DR: NJB	SH . 1of 1	SCALE: DO NOT SCALE	
CK: BS	Date 2-07-12		REV: f

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1555 N. Mingo
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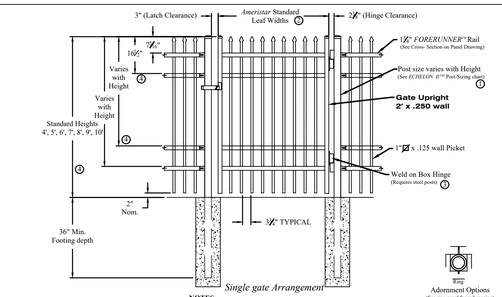
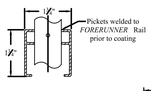
www.ameristarfence.com



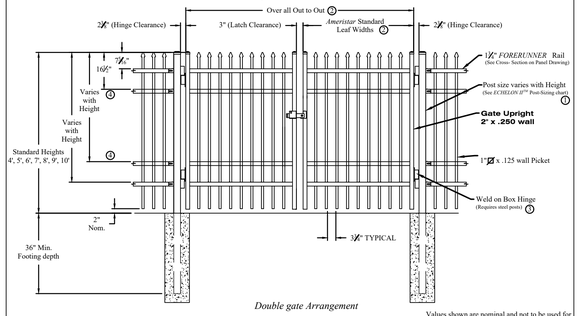
Single gate Arrangement

Adornment Options
(See ring panel for rail spacing)



Pickets welded to *FORERUNNER* Rail prior to coating

NOTES:
1.) Post size depends on fence height, weight and wind loads. See *ECHELON II* ™ post sizing chart.
2.) See *Ameristar* gate table for standard out to outs. Custom gate openings available for special out to out/leaf widths.
3.) Additional styles of gate hardware are available on request This could change the Latch & Hinge Clearance.
4.) Third and Fourth rail optional. Some heights noted required a third and/or fourth rail.



Double gate Arrangement

Values shown are nominal and not to be used for installation requirements. See product specification for installation requirements.

INDUSTRIAL STRENGTH ALUMINUM

2ACI50G

ECHELON II CLASSIC 2/3/4-RAIL SGL & DBL GATE			
DR: NJB	SH . 1of 1	SCALE: DO NOT SCALE	
CK: BS	Date 2-7-12		REV: d

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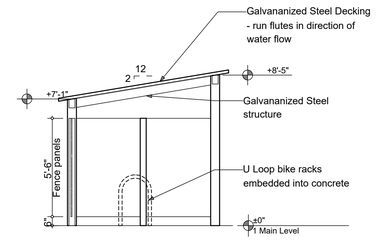
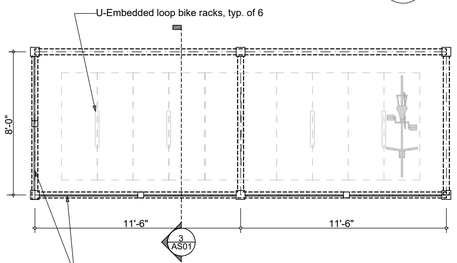


BIKE SHELTER SECTION

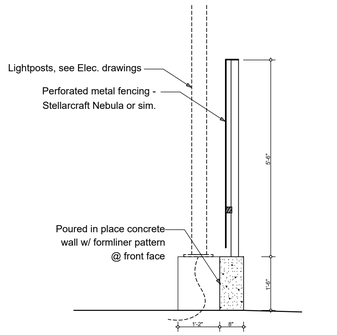
C3.1 NOT TO SCALE

3 / AS01



BIKE SHELTER ENLARGED PLAN

C3.1 NOT TO SCALE



SITE WALL SECTION DETAIL

C3.1 NOT TO SCALE

GENERAL NOTES

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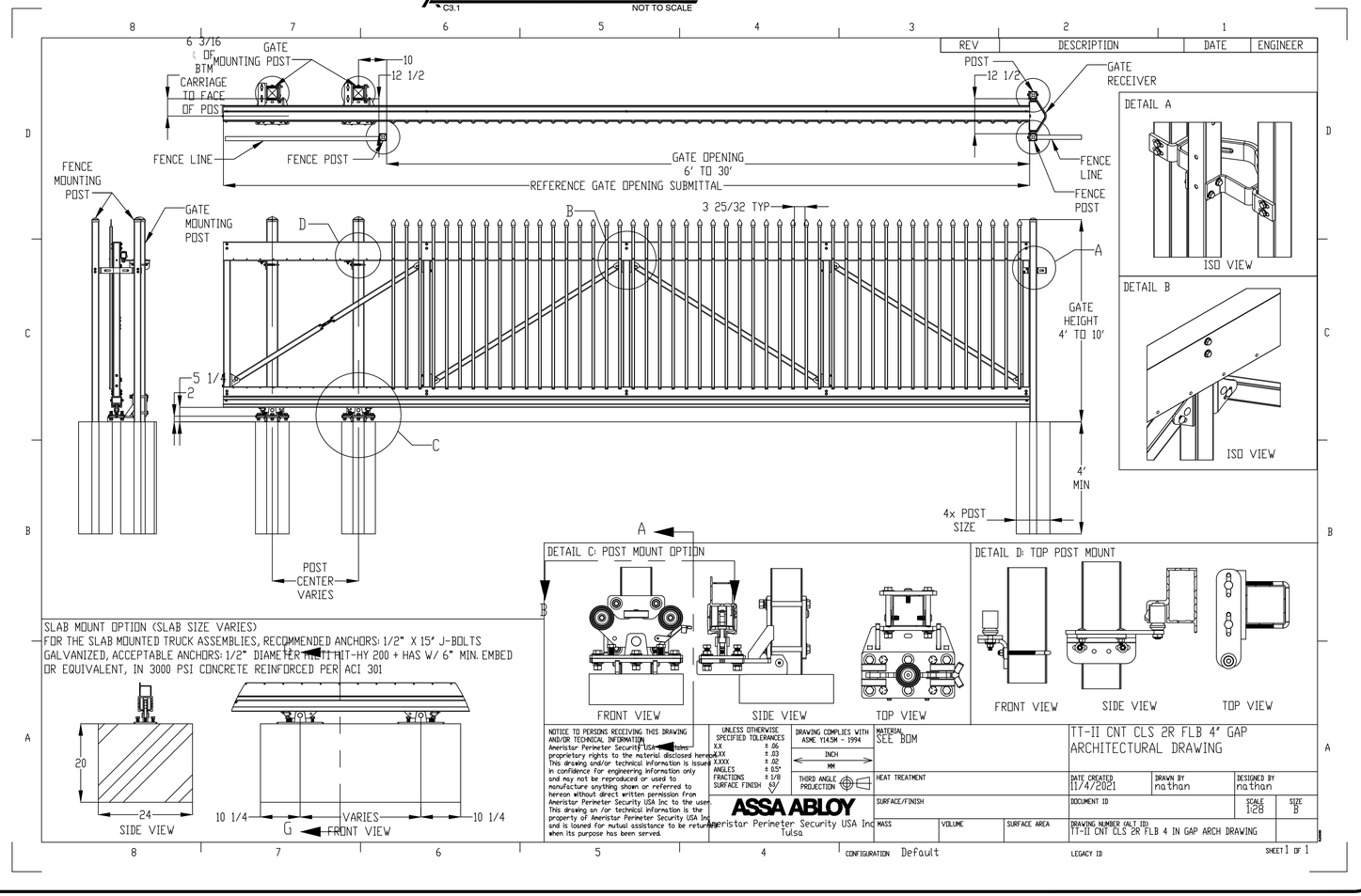
2. IF ANY ERRORS, DISCREPANCIES, OR OMISSIONS BECOME APPARENT, THESE SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ ENGINEER PRIOR TO CONSTRUCTION OF ANYTHING AFFECTED SO THAT CLARIFICATION OR REDESIGN MAY OCCUR.
3. ALL CURB RADII AND DIMENSIONS ARE TO FACE OF CURB. CURB TO BE PROVIDED WHERE SHOWN AND INTEGRAL WITH SIDEWALK AT PAVING EDGE.
4. SLOPE GRADES UNIFORMLY BETWEEN ELEVATIONS SHOWN. NOMINAL GRADING, SLOPE SIDEWALKS AWAY FROM BUILDING AT 1/4" PER FOOT ON ENTRY WALK.
5. ALL WORK SHALL CONFORM TO ALL LOCAL, STATE AND FEDERAL LAWS, RULES AND REGULATIONS IN FORCE AT TIME OF CONSTRUCTION.
6. REFER TO NOTES IN ARCHITECTURAL PLANS FOR ALL WORK RELATED TO ELECTRICAL, PLUMBING, AND MECHANICAL WORK, AS WELL AS ANY UTILITY WORK.
7. ALL WORK SHALL CONFORM TO THE MICHIGAN HANDICAPPED ACCESSIBILITY CODE AND THE AMERICANS WITH DISABILITIES ACT.
8. ALL REGULATORY SIGNAGE (IF SPECIFIED) SHALL BE PER THE MICHIGAN DEPARTMENT OF TRANSPORTATION.
9. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS, PERMIT COSTS, TAP FEES, METER DEPOSITS, PERMANENT UTILITY APPLICATIONS, BONDS, AND OTHER FEES REQUIRED FOR PROPOSED WORK. THIS SHALL INCLUDE, BUT SHALL NOT BE LIMITED TO THOSE REQUIRED BY THE CITY OF KALAMAZOO, KALAMAZOO COUNTY AND THE STATE OF MICHIGAN.
10. CONTACT MISS DIG "811" FOR LOCATION OF UNDERGROUND UTILITIES A MINIMUM OF 48 HOURS BEFORE COMMENCING EXCAVATION WORK. THIS DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF NOTIFYING UTILITY OWNERS WHO ARE NOT PART OF THE "MISS DIG" ALERT SYSTEM. THE CONTRACTOR SHALL CONDUCT HIS OPERATIONS IN A MANNER AS TO ENSURE THAT THOSE UTILITIES NOT REQUIRING RELOCATION WILL NOT BE DISTURBED.
11. ANY SANITARY SEWER, SANITARY SEWER SERVICE LEADS, WATER MAIN, WATER SERVICES, OR STORM SEWER WHICH IS DAMAGED BY THE CONTRACTOR DURING HIS OPERATIONS SHALL BE REPAIRED TO THE OWNERS SATISFACTION, AND AT THE CONTRACTORS EXPENSE. IF ANY UTILITIES ARE DAMAGED AND NEED REPAIRED IT, MUST MEET THE CITY OF KALAMAZOO/OWNER'S SPECIFICATIONS.
12. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR THE ELECTRICAL TRANSFORMER PAD PER THE UTILITY COMPANY SPECIFICATIONS.
13. THE TELEPHONE UTILITY COMPANY SHALL PROVIDE UNDERGROUND TELEPHONE TO THE BUILDING AT THE OWNERS EXPENSE.
14. DESIGN, INSTALLATION AND SPECIFICATION FOR IMPROVEMENTS RELATED TO GAS, TELEPHONE, ELECTRIC AND CABLE TELEVISION SERVICES SHALL BE COORDINATED BY THE CONTRACTOR.
15. CONTRACTOR SHALL COORDINATE TELEPHONE, ELECTRIC, AND CABLE TELEVISION CONDUITS WITH THE APPROPRIATE UTILITY PRIOR TO PAVEMENT INSTALLATION.
16. CONTRACTOR IS TO UNCOVER AND CONFIRM ALL TAP LOCATIONS. LOCATION DISCREPANCIES ARE TO BE BROUGHT TO THE ENGINEERS ATTENTION FOR RESOLUTION.
17. DEMOLISH & REMOVE ALL EXISTING SITE FEATURES AS REQUIRED.
18. THE CONTRACTOR SHALL REVIEW THE GEOTECHNICAL REPORT PREPARED FOR THIS SITE.
19. ALL WATER, SANITARY, AND STORM STRUCTURES SHOWN AS SURVEYED. ALL PIPING RELATED TO THESE UTILITIES BASED ON CROSSTOWN CENTER PLANS DATED 11/30/2000. CONTRACTOR SHALL VERIFY & ALERT ENGINEER OF ANY DISCREPANCIES.
20. CONTRACTOR TO VERIFY LOCATION OF EXISTING UTILITIES PRIOR TO CONSTRUCTION. LOCATION DISCREPANCIES ARE TO BE BROUGHT TO THE ENGINEER'S ATTENTION FOR RESOLUTION.
21. ALL WATER, SANITARY AND STORM UTILITIES ARE TO BE PROTECTED UNLESS OTHERWISE NOTED.
22. ANY SANITARY SEWER, SANITARY SEWER SERVICE LEADS, WATER MAIN, WATER SERVICES, OR STORM SEWER WHICH IS DAMAGED BY THE CONTRACTOR DURING HIS OPERATIONS SHALL BE REPAIRED TO THE OWNERS SATISFACTION, AND AT THE CONTRACTORS EXPENSE. IF ANY ELEMENTS OF THE SANITARY SEWER SYSTEM ARE DAMAGED AND NEED REPAIRED, IT MUST MEET THE CTIY OF KALAMAZOO SPECIFICATIONS.
23. REFER TO ELECTRICAL DRAWINGS FOR UNDERGROUND ELECTRICAL REQUIREMENTS FOR SITE.
24. DESIGN, INSTALLATION AND SPECIFICATION FOR IMPROVEMENTS RELATED TO GAS, TELEPHONE, ELECTRIC AND CABLE TELEVISION SERVICES SHALL BE COORDINATED BY THE CONTRACTOR.



PLANS PREPARED BY:

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PRELIMINARY
NOT FOR CONSTRUCTION

No.	ISSUED FOR:	DATE	BY
0	CHECKLIST MEETING SUBMITTAL	07/31/2025	tc
1	BID/SITE PLAN SUBMITTAL	09/08/2025	tc
2	.	.	.
3	.	.	.
4	.	.	.

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FENCING DETAILS
CITY OF KALAMAZOO - CROSSTOWN FACILITY
INTERSECT
150 E CROSSTOWN PARKWAY, KALAMAZOO, MI 49001
SECTION 22, T02S, R11W

PROJECT:
CLIENT:
SITE ADDRESS:
SITE SECTION:

JOB NUMBER
24182004

DATE
09/08/2025

SHEET NUMBER
C3.1