

# Addendum

**DATE:** 01/02/2024

615 Woodside Drive, Englewood, Ohio 45322

T 937.836.8898 F 937.832.3696

**PROJECT:** 614, 624 & 702 Building Renovation and  
Addition  
East End Community Services / West Care

[www.app-arch.com](http://www.app-arch.com)

**PROJECT ADDRESS:** 624 Xenia Avenue  
Dayton, Ohio 45410

## **ADDENDUM NO. 2**

*RECEIPT OF THIS ADDENDUM MUST BE NOTED ON THE FORM OF PROPOSAL*

### **TO ALL BIDDERS:**

This addendum supplements and amends the original Plans and Specifications and shall be taken into account in preparing proposals and shall become part of the Contract Documents.

### **CIVIL DRAWINGS:**

- ITEM C1 SHEET C1.2 DEMOLITION PLAN (624)  
SHEET C1.3 DIMENSIONING AND PAVEMENT PLAN (624)  
SHEET C2.1 GRADING PLAN
1. Sheets revised to show new water service connecting at Dover Street.

### **ARCHITECTURAL SPECIFICATIONS:**

- ITEM AS1 SECTION 12 2413 – ROLLER WINDOW SHADES
1. Part 2 – Products, 2.1, B Manufacturer
    - a. Draper NEXD manual roller window shade is added as an acceptable Manufacturer.
- ITEM AS2 SECTION 10 7313 – AWNINGS
1. Part 2 – Products, 2.1, A Manufacturer
    - a. Skyscape Architectural Canopies is added as an acceptable manufacturer.
- ITEM AS3 SECTION 10 2239 – FOLDING PANEL PARTITIONS
2. Part 2 – Products, 2.2, A
    - a. Kwik-Wall model 2030 folding partition is added as an acceptable manufacturer.

### **ARCHITECTURAL DRAWINGS:**

- ITEM A3 SHEET A1.2 ROOF PLANS – DEMO AND NEW WORK (614)  
SHEET A3.1 EXTERIOR ELEVATIONS (614)  
SHEET A5.1 EXTERIOR DETAILS – AWNINGS (614)
1. Downspouts and awnings revised.

- ITEM A2 SHEET A1.7 ROOF PLAN (624)  
SHEET A3.2 EXTERIOR ELEVATIONS (624)  
SHEET A3.3 EXTERIOR ELEVATIONS (624)  
SHEET A5.2 EXTERIOR DETAILS – AWNINGS (624)  
SHEET A5.3 EXTERIOR DETAILS – AWNINGS (624)  
1. Downspouts and awnings revised.
- ITEM A3 SHEET A1.3 FIRST FLOOR DIMENSION PLAN (624)  
1. Reflected ceiling plan revised to show gypsum board over vapor barrier fastened to the underside of trusses with R-30 blow-in insulation at rooms: 151, 207, 208, 209.
- ITEM A4 SHEET A2.4 SECOND FLOOR RCP NEW WORK (624)  
1. Revised wall type along the west side of the new addition.  
2. Added Construction Note 7.

### **PLUMBING DRAWINGS:**

- ITEM P1 SHEET P1.2 FIRST FLOOR PLAN – NEW WORK (624)  
1. Storm piping routed through soffit and to tie into gutter downspout.  
2. Keynote added.

### **HVAC DRAWINGS:**

- ITEM H1 SHEET H0.2 – HVAC SCHEDULES (624)  
1. Added VRF indoor unit 1.09.
- ITEM H1 SHEET H1.4 – HVAC SECOND FLOOR PLAN - NEW WORK (624)  
1. Added ceiling access doors for branch controller and in attic VRF unit in rooms C201 and 202.  
2. Added VRF indoor unit 1.06 and associated ductwork and air devices to serve rooms 208 & 209.  
3. Added plan note to clarify VRF-2.07 location.

### **ELECTRICAL DRAWINGS:**

- ITEM E1 SHEET E0.2 ELECTRICAL EQUIPMENT AND LIGHTING SCHEDULE (624)  
1. Added VRF 1.09 to Equipment Electrical Data Schedule.
- ITEM E2 SHEET E1.1 ELECTRICAL POWER PLAN (624)  
1. Added TV receptacle to Receptionist 102.
- ITEM E3 SHEET E1.2 ELECTRICAL POWER PLAN (624)  
1. Added receptacles to Data 207.
- ITEM E4 SHEET E1.4 ELECTRICAL HVAC POWER PLAN (624)  
1. Added VRF 1.09.
- ITEM E5 SHEET E3.1 ELECTRICAL SYSTEMS PLAN (624)  
1. Added TV Data Outlet to Receptionist 102.
- ITEM E6 SHEET E3.2 ELECTRICAL SYSTEMS PLAN (624)  
1. Added Data 207 room tag.

ITEM E7 SHEET E4.2 PANELBOARD SCHEDULES (624)  
1. Added new receptacle and equipment loads to Panel Schedule LP2.

ITEM E8 SHEET E1.1 ELECTRICAL PLANS (702)  
1. Relocated Electrical Panel P1 to southeast corner of building.

**CONTRACTOR QUESTIONS:**

Q: Aid to Construction fees paid by whom? If by contractor, can these be an allowance?

A: Aid to Construction fees will be paid by owner.

Q: What style Gutter? "K" style gutter?

A: Style "A" rectangular gutter.

Q: Is the gutter a continuous gutter?

A: Continuous gutters with lengths not to exceed 50' per specification section 07 6200, 2.5, A.

Q: What gauge is the gutter stock? .032 aluminum?

A: 24 gauge galvalume per specification section 07 6200, 2.5, A., 5.

Q: The fascia, window boxes. Are these 24 gauge aluminum?

A: 24 gauge galvalume.

Q: Liquidated Damages are mentioned briefly in two of the AIA documents but nowhere in the App specifications are these listed. And no dollar amounts for damages per day are provided. Will you please confirm Liquidated Damages are either not applicable or provide the daily amount.

A: Liquidated Damages are not applicable.

Q: (614 Building) No fire alarm is shown. Will it be required for this building?

A: No. We are below the occupancy requirements for Type B occupancy that would require a manual fire alarm system.

Q: (624 Building) Could you verify that AAC wire is correct for feeder #7 on drawing E4.1? This is a bare conductor typically used for overhead utilities.

A: Per AES Electric Service Handbook, Detail SH-11-002, Feeder #2 shall extend from the panel, through the meter, and a minimum 24" beyond weather head. Feeder #3 shall be provided by AES Ohio. Type AAC cable may not be the correct type.

Q: (624 Building) No data rough is shown for the first floor on drawing E3.1. Is this correct?

A: A revised E3.1 was included in Addendum 1.

Q: (624 Building) Where does the meter/CT cabinet get installed and where does the service originate from (utility company connection point) No electrical site plan provided.

A: The meter and CT cabinet is to be located where the existing meter and service is located. It is anticipated that the service will originate from the existing power poles located on the north side of Xenia Avenue.

Q: (702 Building) Could you verify that AAC wire is correct for feeder #3 on drawing E4.1? This is a bare conductor typically used for overhead utilities.

A: Per AES Electric Service Handbook, Detail SH-11-002, Feeder #2 shall extend from the panel, through the meter, and a minimum 24" beyond weather head. Feeder #3 shall be provided by AES Ohio. Type AAC cable may not be the correct type.

- Q: (702 Building) Where does the meter get installed and where does the service originate from (utility company connection point) No electrical site plan provided.
- A: The meter shall be installed on the southeast corner of the building. The service is anticipated to originate from the existing utility pole in the alley on the south side of the property. The panel and meter location has been revised in Addendum #2, dated 01/02/2024.
- Q: (All buildings) Please confirm that the electrical contractor is only required to do the conduit/box rough ins for the data system?
- A: Confirmed, conduit and boxes only for data.
- Q: Please confirm that the electrical contractor is only required to do conduit/box rough ins and access control cabling for the security system, also if correct where does the cable need to terminate?
- A: Confirmed, terminations should be in Data Room 207 in building 624. Refer to Addendum #2.
- Q: On Sheet P1.2, drawing notes 1 and 2 describe the Combination Fire and Domestic water service, then tell us to refer to civil drawings for continuation. I cannot find anything on the civil drawings. Will this be added? Or have I missed something?
- A: Civil drawings have been revised to show water service continuation. Refer to the attached revised Sheets C1.2, C1.3, C2.1.
- Q: Our sprinkler contractor spotted a few issues or potential issues. I listed them below. We did find a few different materials above the acoustical ceilings from Fiber Board, to plaster, to wood.
1. He Mentioned " Combustible Blind space" This would take place above the acoustical ceiling and the floor joists above. Being Wood. He stated that adding heads above the ceiling takes care of this issue. Drywall being placed over the joist could fix it as well. There's also an area that has steel floor joist with Wood sleepers attached to the top then floor decking.
- A: Heads will need to be included above ceiling where there is blind combustible space on the first floor.
2. He asks about the Attic being completely insulated in the rafters or installing a dry system? I did point out the notes on A2.4 That covers most of the 2nd floor. He was concerned with the other areas like rooms 208,209,207 and all of the large rooms at C204.
- A: Gypsum board and insulation will be shown on the underside of trusses for rooms 207, 208, 209. Offices off of C204 have insulation above deck. Refer to the attached revised sheet A2.4 included in this addendum.
3. He mentioned the 1st floor rooms 141, 142 area will also need heads above the ceiling or drywall placed on the underside of the floor joists.
- A: Sprinkler heads will need to be placed above the ceiling in these rooms.
- Q: What do the new wood trusses bear on at the existing building?  
Will you provide a section on either sheet A1.7 or S1.2 where the trusses connect to the existing wall at the east elevation? Are we to remove part of the existing roof to install these trusses?
- A: NE addition wood roof trusses will bear on the new metal stud wall at the existing building. Refer to the revised sheet A1.3. Structural details will be included in Addendum 3.

**END OF ADDENDUM NO. 2**

**ATTACHMENTS:**

Drawing sheets –

614 Building: A1.2, A3.1, A5.1

624 Building: C1.2, C1.3, C2.1

A1.3, A1.7, A2.4, A3.2, A3.3, A5.2, A5.3  
P1.2

H0.2, H1.4,

E0.2, E1.1, E1.2, E1.4, E3.1, E3.2, E4.2,

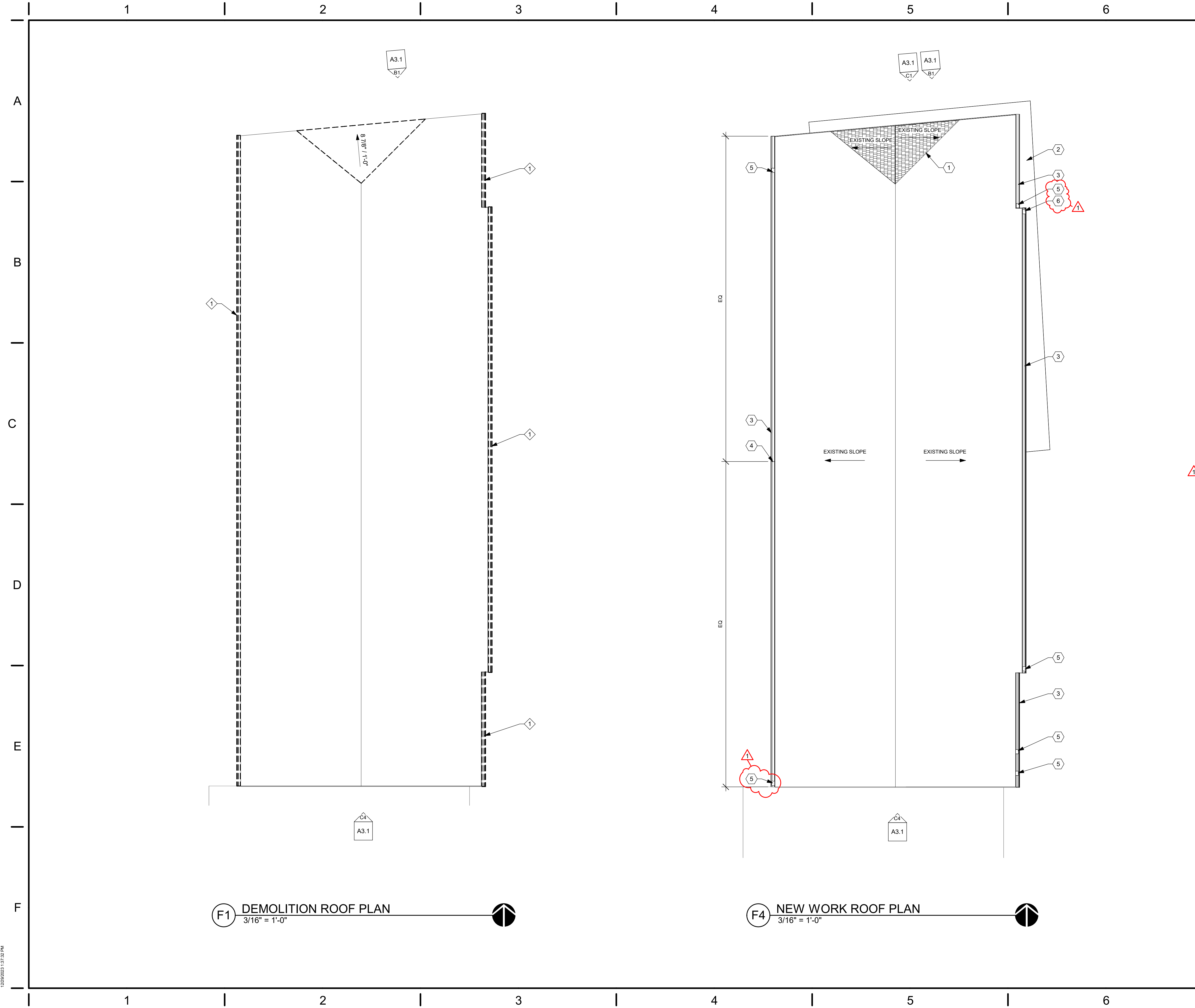
702 Garage: E1.1

Substitution Requests –

Draper NEXD manual roller window shade – Accepted

SkyScape Architectural Canopies – Accepted

Kwik-Wall 2030 Folding Partition - Accepted



**DEMOLITION NOTES**

- INDICATES DEMOLITION NOTE.
- REMOVE EXISTING GUTTER AND DOWNSPOUTS.

**CONSTRUCTION NOTES**

- INDICATES CONSTRUCTION NOTE.
- NEW ASPHALT SHINGLE GABLE ROOF FRAMED OVER EXISTING HIP ROOF. NEW SHINGLES TO MATCH EXISTING.
  - PREMANUFACTURED METAL AWNING. REFER TO SHEET A5.1 FOR DETAILS.
  - NEW 5" PREFINISHED GALVALUME GUTTER.
  - EXPANSION JOINT.
  - PREFINISHED GALVALUME DOWNSPOUT. COLOR TO MATCH GUTTER. SURFACE DISCHARGE TO SPLASH BLOCK.
  - PREFINISHED GALVALUME DOWNSPOUT. COLOR TO MATCH GUTTER. TIE INTO ADJACENT DOWNSPOUT.

**GENERAL NOTES**

- COORDINATE ROOF PENETRATIONS WITH PLUMBING, ELECTRICAL, AND MECHANICAL DRAWINGS.
  - ALL PENETRATIONS THROUGH ROOF SHALL BE PAINTED TO MATCH ROOF.
- INDICATES DIRECTION OF ROOF OR TAPERED INSULATION SLOPE.

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STATE OF OHIO  
TIMOTHY J. BENNETT  
LICENSE #12305  
EXPIRES 12/31/2025

Building Renovation  
**East End Community Services  
West Care - 614 Building**

614 Xenia Avenue, Dayton, Ohio 45410

ISSUE	
NO.	DESCRIPTION
1	12/07/2023 FOR CONSTRUCTION 01/02/2024 ADDENDUM 2

DATE	12/07/2023
JOB NO.	4132.00
DRAWN	MSM & KAE
CHECKED	CMS / TJB

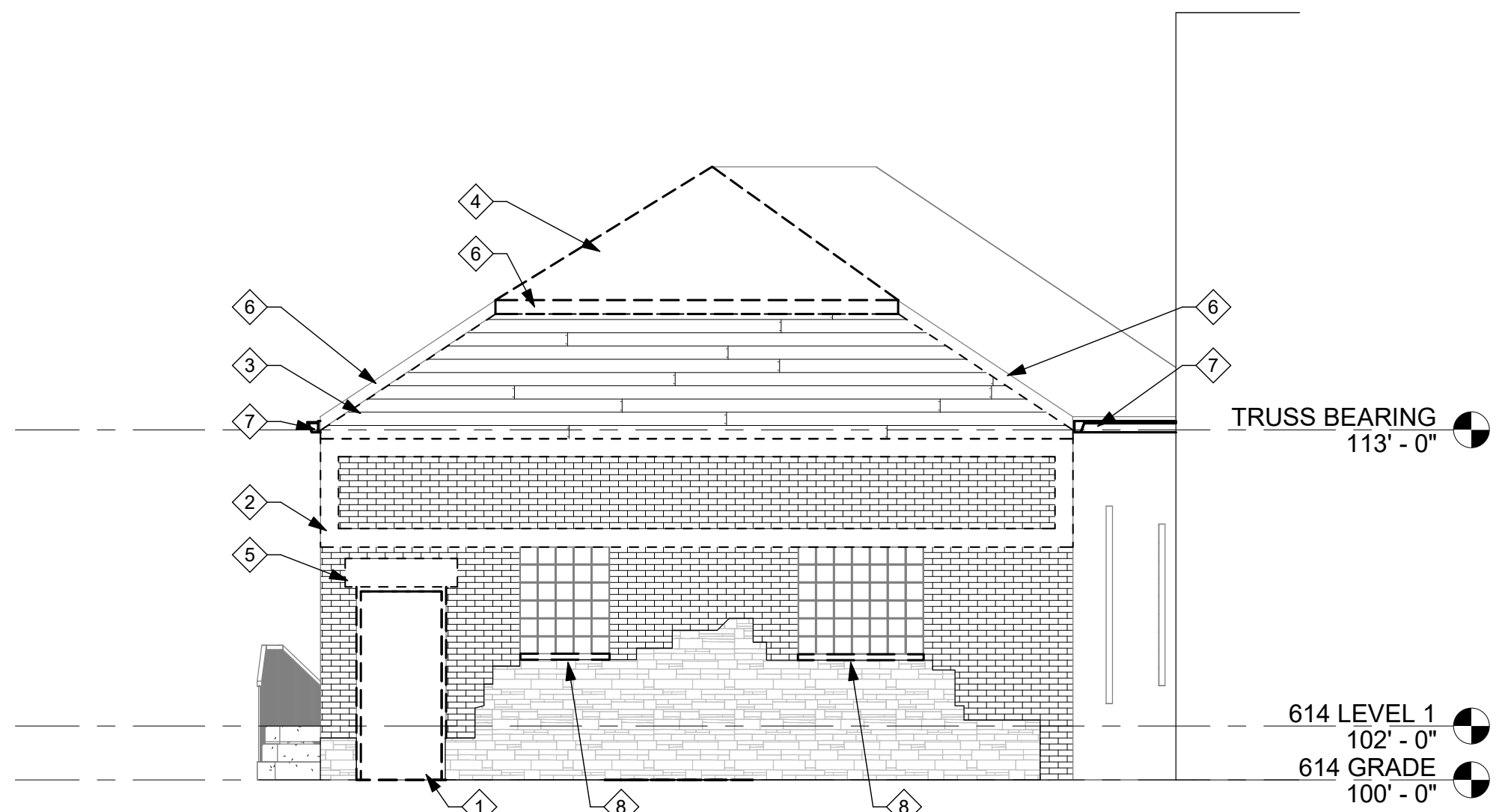
TITLE  
**ROOF PLANS - DEMO  
AND NEW WORK**

SHEET NO.  
**A1.2**

1/28/2023 1:27:32 PM

1 | 2 | 3 | 4 | 5 | 6 | 7

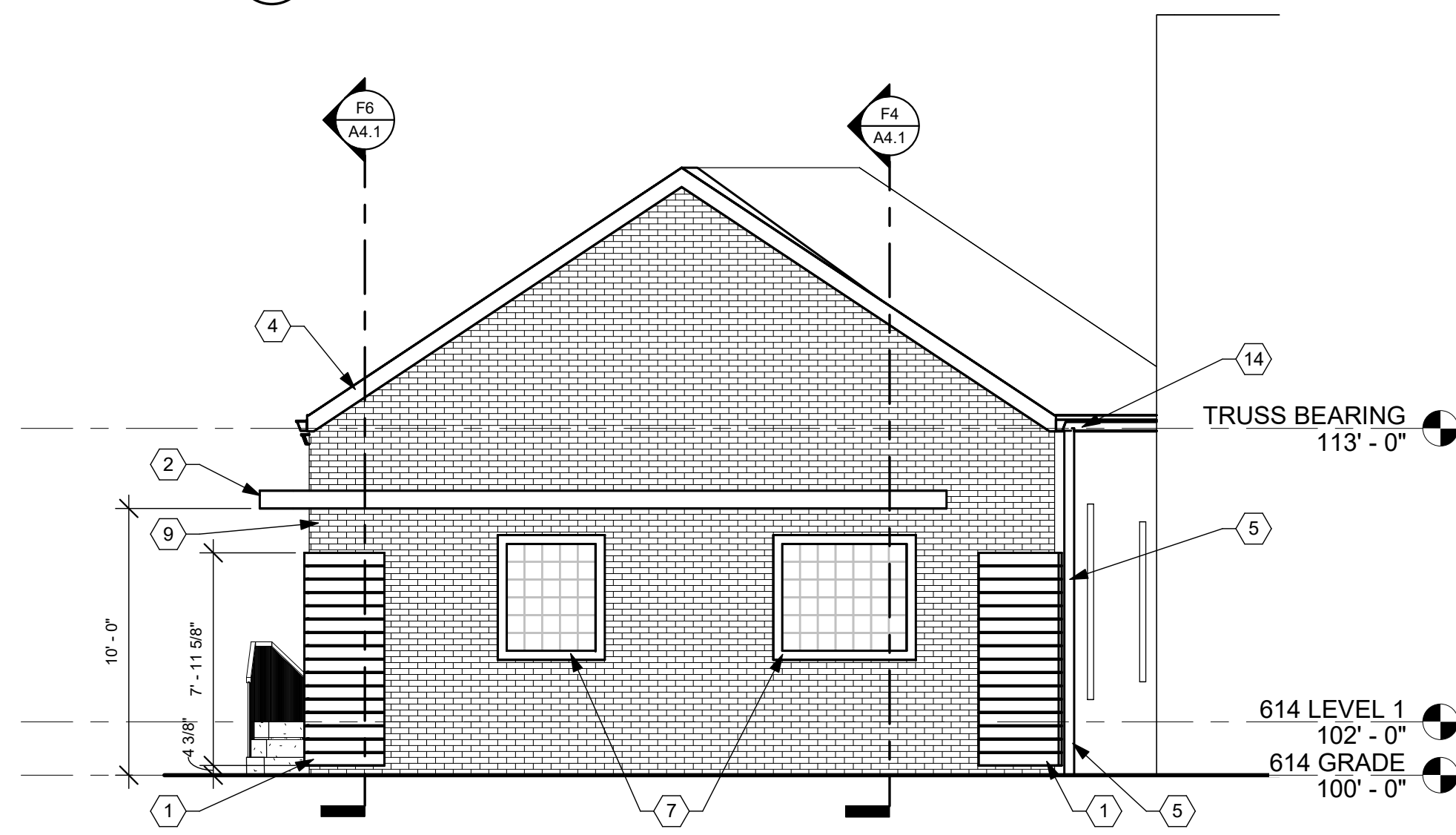
A



**B1** EXISTING NORTH ELEVATION - DEMO  
3/16" = 1'-0"

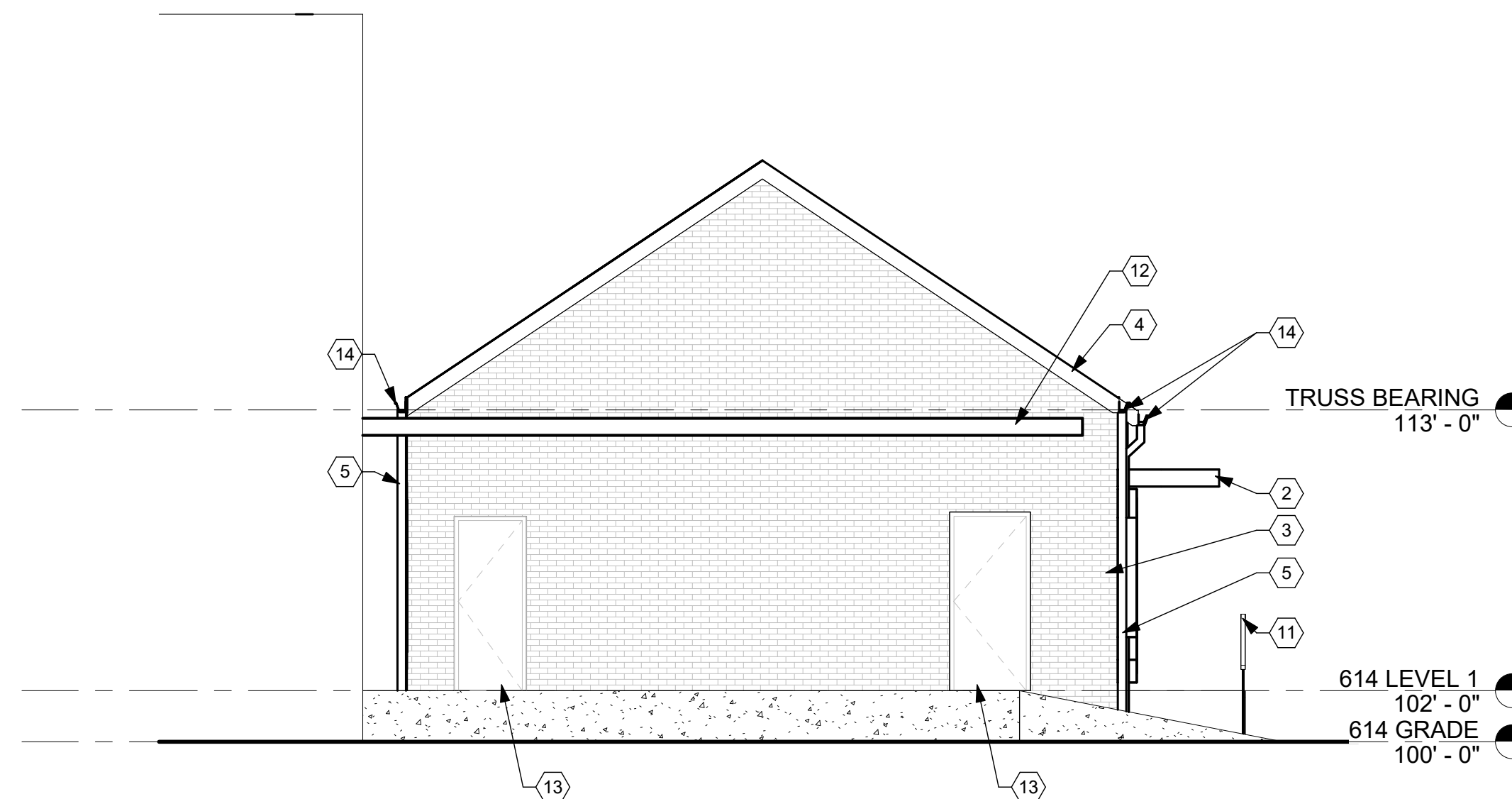
B

C



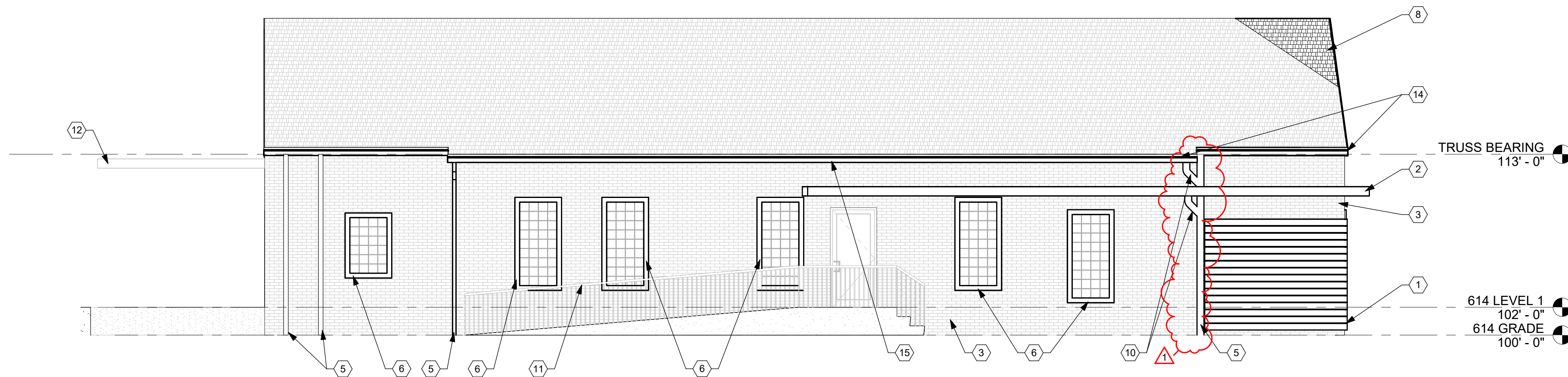
**C1** NORTH ELEVATION  
3/16" = 1'-0"

D



**C4** SOUTH ELEVATION  
3/16" = 1'-0"

E



**E1** EAST ELEVATION  
3/16" = 1'-0"

F

**DEMOLITION NOTES**

- ◇ INDICATES DEMOLITION NOTE.
- 1 REMOVE EXISTING DOOR AND FRAME.
- 2 REMOVE EXISTING TRIM.
- 3 REMOVE EXISTING VINYL SIDING.
- 4 REMOVE EXISTING ASPHALT SHINGLES AT HIP ROOF.
- 5 REMOVE EXISTING OVERHANG.
- 6 REMOVE EXISTING FASCIA. TYPICAL.
- 7 REMOVE EXISTING GUTTER. TYPICAL.
- 8 CUT EXISTING CONCRETE SILL BACK TO MATCH FACE OF STONE IN PREPARATION FOR NEW FRAMES AROUND WINDOWS.

**CONSTRUCTION NOTES**

- ⓪ INDICATES CONSTRUCTION NOTE.
- 1 NEW PHENOLIC PLANK VENEER REFER TO F6/A4.1.
- 2 PREMANUFACTURED METAL AWNING - SILVER. REFER TO SHEET A5.1 FOR DETAILS.
- 3 PAINT ENTIRE EXISTING BRICK FACADE (EP-4). TUCK POINT TO REPAIR ANY DAMAGED GROUT PRIOR TO PAINTING. FIELD INVESTIGATE FOR EXTENTS OF REPAIRS.
- 4 PREFINISHED GALVALUME FASCIA. COLOR TO BE SELECTED BY ARCHITECT FROM MANUFACTURER'S FULL RANGE OF COLORS.
- 5 PREFINISHED 4" X 6" GALVALUME DOWNSPOUT. COLOR TO MATCH GUTTER. SURFACE DISCHARGE TO SPLASH BLOCK.
- 6 NEW FRAMES AROUND WINDOW OPENINGS - BLUE. REFER DETAILS B3, D3, & F3 ON SHEET A0.4.
- 7 NEW FRAMES AROUND WINDOW OPENINGS - BLUE. REFER DETAILS B1, D1, & F1 ON SHEET A0.4.
- 8 NEW ROOF FRAMED OVER EXISTING HIP. TOOTH-IN NEW ASPHALT SHINGLES TO MATCH EXISTING.
- 9 THIN BRICK VENEER.
- 10 PREFINISHED GALVALUME DOWNSPOUT. COLOR TO MATCH GUTTER. TIE INTO ADJACENT DOWNSPOUT.
- 11 RAILING TO REMAIN. PAINT RAILING EP-3.
- 12 OVERHANG TO REMAIN. PAINT OVERHANG EP-3.
- 13 PREP EXISTING DOOR AND FRAME FOR PAINT. PAINT EP-4.
- 14 5" PREFINISHED GALVALUME GUTTER - BLUE.
- 15 SLOPE GUTTER TO REAR (SOUTH), NORTH D.S. WILL ONLY BE FOR EXCESS WATER.

**GENERAL NOTES**

- A. ALL EXISTING GUTTERS, DOWNSPOUTS, FASCIAS, AND COPING TO BE REMOVED AND REPLACED IN KIND WITH NEW PREFINISHED GALVALUME. COLOR TO BE SELECTED BY ARCHITECT FROM MANUFACTURER'S FULL RANGE.
- B. PRIOR TO INSTALLING NEW FRAMES AROUND WINDOWS, CUT BACK EXISTING SILLS TO BE PLUMB WITH FACE OF EXISTING BRICK.

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LICENSE #12305  
EXPIRES 12/31/2025

Building Renovation  
**East End Community Services  
West Care - 614 Building**

614 Xenia Avenue, Dayton, Ohio 45410

ISSUE

NO.	DATE	DESCRIPTION
1	12/07/2023	FOR CONSTRUCTION
	01/02/2024	ADDENDUM 2

DATE	12/07/2023
JOB NO.	4132.00
DRAWN	MSM & KAE
CHECKED	CMS / TJB
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TITLE <b>EXTERIOR ELEVATIONS</b>	

SHEET NO.  
**A3.1**

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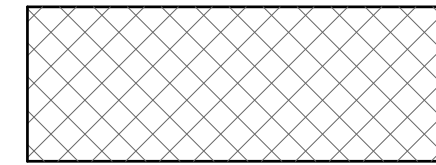


**LEGEND**

X EXISTING ITEMS TO BE REMOVED

TBR = TO BE REMOVED (EXISTING ITEMS)

DND = DO NOT DISTURB (EXISTING ITEMS)



**EXISTING PAVEMENT, CURBING, WALK, ETC. REMOVAL LIMITS**  
TO BE PERFORMED AS NEEDED BASED ON ACTUAL CONSTRUCTION REQUIREMENTS

**DEMO NOTES:**

CONTRACTOR TO REMOVE AND DISPOSE OF ALL EXISTING ITEMS WITHIN THE PROJECT LIMITS/AREA AS NEEDED TO CONSTRUCT THE PROPOSED PROJECT AND AS DIRECTED BY THE OWNER. THIS SHALL INCLUDE, BUT IS NOT LIMITED TO, EXISTING ASPHALT PAVEMENT, CONCRETE PAVEMENT, WALK, CURB, PARKING BLOCKS, STEPS, RETAINING WALLS, CATCH BASINS, MANHOLES, PIPING, VALVES, POSTS, FENCE, LIGHT POLES, ELECTRIC POLES, POLE BASES, FOUNDATIONS, TREES, STUMPS, LANDSCAPING, ETC. THIS WORK SHALL INCLUDE REMOVING ALL EXISTING FOUNDATIONS, FOOTINGS, UNDERGROUND PORTIONS OF, ETC. FOR ALL ITEMS TO BE REMOVED/DEMOLISHED.

CONTRACTOR TO VERIFY EXACT ITEMS TO BE REMOVED OR ABANDONED IN PLACE AND THE APPROPRIATE TIMING TO REMOVE OR ABANDON THEM WITH THE OWNER PRIOR TO THEIR REMOVAL OR ABANDONMENT. CERTAIN SERVICES MAY NEED TO BE KEPT IN OPERATION AS LONG AS POSSIBLE OR REPLACED WITH TEMPORARY SERVICES. OWNER TO DETERMINE TIMING AND NEED FOR ANY TEMPORARY SERVICES.

THERE MAY BE OTHER UNKNOWN UNDERGROUND UTILITIES, SERVICES OR ITEMS WHICH MAY BE LOCATED WITHIN THE SITE AND MAY REQUIRE REMOVAL OR REROUTING IN ORDER TO PERFORM THE PROPOSED PROJECT. CONTRACTOR SHALL NOTIFY OWNER IMMEDIATELY OF ANY UNKNOWN UNDERGROUND UTILITIES OR OTHER ITEMS WHICH ARE ENCOUNTERED AND WORK WITH THE OWNER TO DECIDE HOW THESE ITEMS SHOULD BE HANDLED.

CONTRACTOR TO VERIFY EXACT LOCATION, DEPTH AND SIZE OF EXISTING UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY OWNER OF ANY CONFLICTS PRIOR TO THE REMOVAL OF UTILITIES.

PRIOR TO CONSTRUCTION, CONTRACTOR SHALL CHECK WITH AND VERIFY WITH OWNER ALL ITEMS WHICH THE OWNER WANTS TO SALVAGE. ALL ITEMS DESIGNATED FOR SALVAGE BY THE OWNER, WHICH MAY INCLUDE BUT IS NOT LIMITED TO SUCH ITEMS AS LIGHT POLES, LUMINAIRES, SIGNS (INCLUDING POST), ETC., AND ANY OTHER ITEMS DESIGNATED FOR SALVAGE BY THE OWNER WHICH ARE TO BE REMOVED SHALL BE CAREFULLY SALVAGED AND SHALL REMAIN THE PROPERTY OF THE OWNER. ALL ITEMS WHICH ARE REMOVED AND THE OWNER DOES NOT WANT TO SALVAGE SHALL BE REMOVED FROM THE SITE AND SHALL BECOME THE CONTRACTOR'S PROPERTY FOR PROPER DISPOSAL OFF-SITE, UNLESS OTHERWISE NOTED.

DEMOLITION OF ALL ITEMS TO BE PER ALL FEDERAL, STATE AND LOCAL CODES, REGULATIONS AND STANDARDS. ALL DEMOLITION PERMITS TO BE OBTAINED PRIOR TO DEMOLITION.

**DEMO EXISTING PAVEMENT NOTE:**

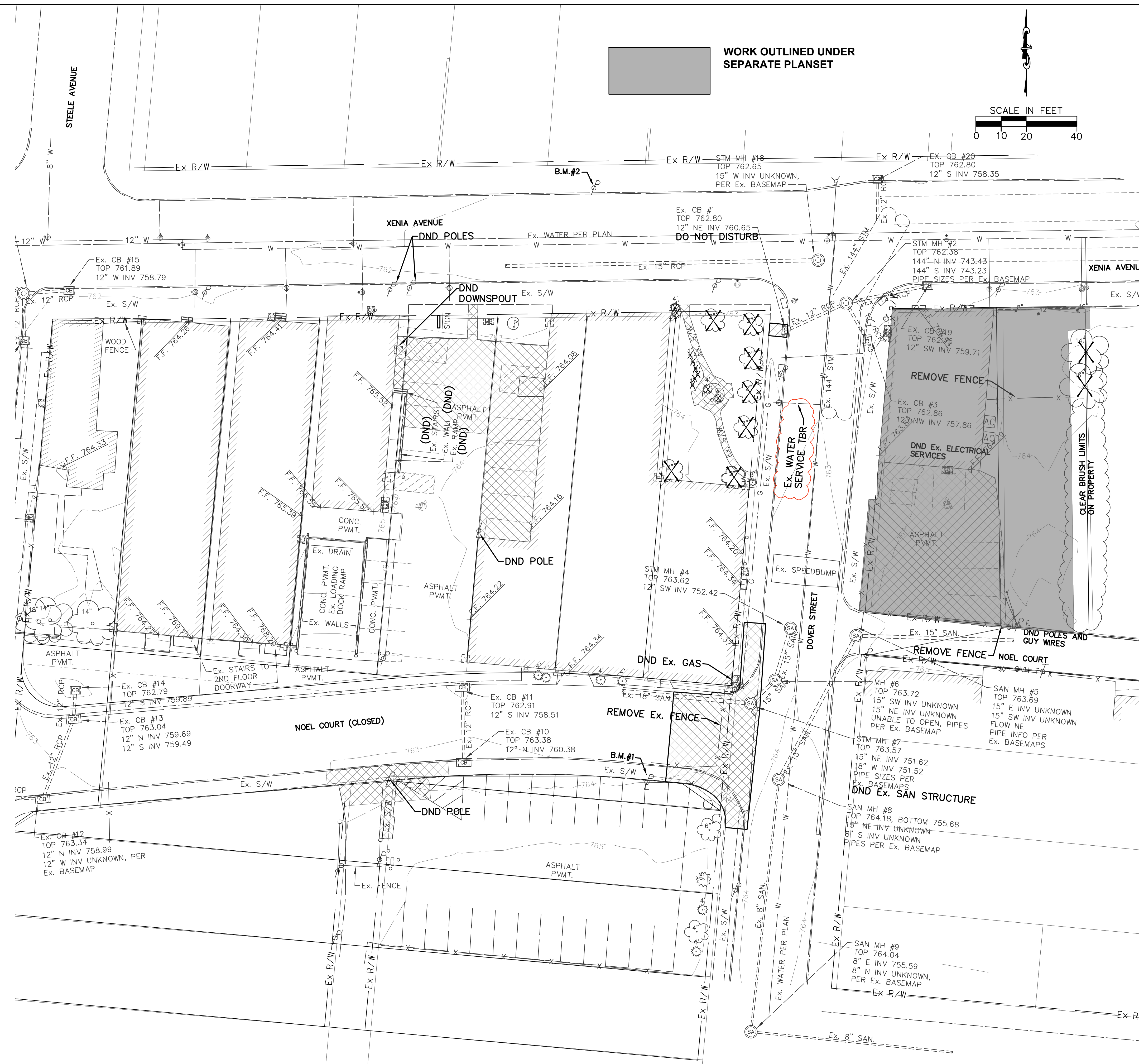
DEMOLITION EDGES IN EXISTING PAVEMENT SHALL BE STRAIGHT, CLEAN AND TRUE.

**EXISTING ELECTRICAL NOTE:**

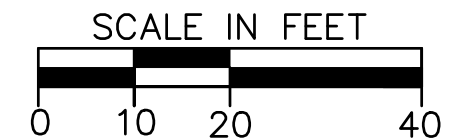
CONTRACTOR SHALL REFER TO THE ELECTRICAL DRAWINGS FOR DEMO INFO. ON HOW ALL EXISTING ELECTRICAL ITEMS FOR THE SITE ARE TO BE HANDLED AND ADDRESSED.

BENCHMARK #1 ELEV. 765.23  
MAG NAIL IN POWER POLE ON SOUTH SIDE OF NOEL ST. NEAR DOVER ST.

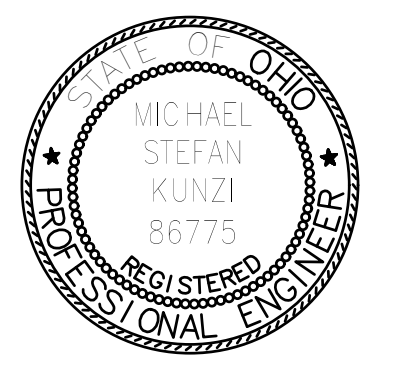
BENCHMARK #2 ELEV. 763.65  
MAG NAIL IN POWER POLE ON NORTH SIDE OF XENIA AVE.



WORK OUTLINED UNDER SEPARATE PLANSET



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West Care - 624 Building**  
624 Xenia Avenue, Dayton, Ohio 45410

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12/22/23	ADDENDUM 1
01/02/24	ADDENDUM 2

DATE	01-02-2024
JOB NO.	4132.00
DRAWN	DSF
CHECKED	MSK
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TITLE DEMOLITION PLAN	

SHEET NO.  
**C1.2**

**PAVEMENT STRIPING NOTES:**

ANY PROPOSED PAVEMENT MARKING SHALL BE STRIPED AS PART OF THIS WORK.

ALL PAVEMENT MARKING LINES SHALL BE WHITE OR YELLOW (DO NOT REQUIRE REFLECTOR BEADS) AND SHALL CONSIST OF 4" WIDE LINES.

ALL PAVEMENT MARKINGS SHALL BE PER ODOT ITEM 640 AND 642. ALL PAVEMENT MARKINGS TO BE TYPE 1, UNLESS APPLICATION IS REQUIRED WHEN AIR AND PAVEMENT TEMPERATURES ARE BETWEEN 35 °F AND 50 °F, THEN OBTAIN APPROVAL FROM THE OWNER AND APPLY ONLY PRE-QUALIFIED TYPE 1A COLD WEATHER TRAFFIC PAINT MATERIALS PER ITEM 642 AND 740.

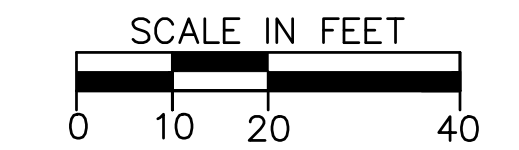
ALL MARKING LAYOUT AND COLOR SHALL BE APPROVED BY THE OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.

**PAVEMENT PARKING NOTES:**

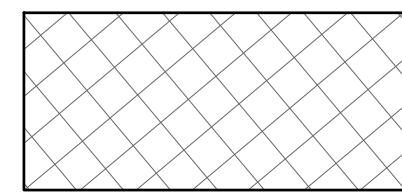
THERE ARE A TOTAL OF 49 TOTAL SPOTS FOR THIS PROJECT, INCLUDING 15 PROPOSED SPOTS.

**NOTES:**

- 1) ALL DIMENSIONS INVOLVING CURBING ARE TO THE FACE OF CURB, UNLESS OTHERWISE NOTED.
- 2) INSTALL DRIVEWAY PER CITY OF DAYTON STANDARDS.
- 3) CONTRACTOR TO VERIFY EXACT LOCATION, DEPTH AND SIZE OF UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY OWNER OF ANY CONFLICTS PRIOR TO THE INSTALLATION OF UTILITIES.
- 4) CONTRACTOR TO FOLLOW ALL PERMIT REQUIREMENTS AND SPECIFICATIONS TO INSTALL THE PROPOSED DEVELOPMENT INCLUDING COORDINATING THE INSTALLATION WITH LOCAL OFFICIALS AS NEEDED AND/OR REQUIRED.
- 5) CONTRACTOR TO COORDINATE ALL WORK WITH THE OWNER AS NEEDED/REQUIRED.

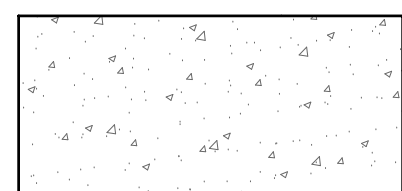


WORK OUTLINED UNDER SEPARATE PLANSET



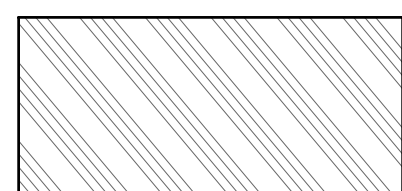
**HEAVY DUTY CONCRETE PAVEMENT**

ITEM 452 - 8" NON-REINFORCED CONCRETE PAVEMENT (ODOT QC-1P) WITH 3 LBS/CY OF EITHER EUCLID CHEMICAL TUFSTRAND SF, FORTA FERRO FIBRILLATED MACROFIBERS OR APPROVED EQUIVALENT MEETING ASTM C 1116 TYPE 3, MINIMUM 2" LENGTH, ASPECT RATIO 50 TO 90. CONTRACTOR SHALL CONTACT THE FIBER MANUFACTURER'S SUPPLIER 48 HOURS PRIOR TO ORDERING THE FIRST BATCH OF CONCRETE FOR APPROPRIATE MIXING AND FINISHING PROCEDURES ON ITEM 304 - 4" AGGREGATE BASE ON ITEM 204 - SUBGRADE COMPACTION

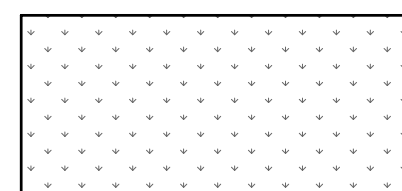


**CONCRETE SIDEWALK**

ITEM 608 - 4" CONCRETE SIDEWALK (ODOT QC-1P) ON ITEM 411 - 4" STABILIZED AGGREGATE BASE

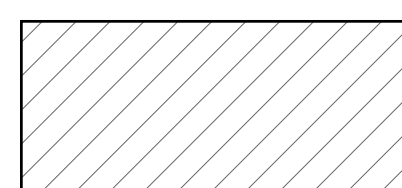


**COMBINATION CURB AND SIDEWALK**



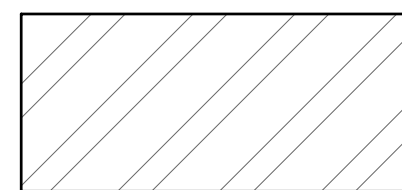
**SEEDING & MULCHING**

ITEM 659 - SEEDING AND MULCHING, CLASS 1 (LAWN MIXTURE)  
NOTE: THERE SHALL BE AT LEAST 6" OF TOPSOIL SPREAD ON ALL DISTURBED AREAS



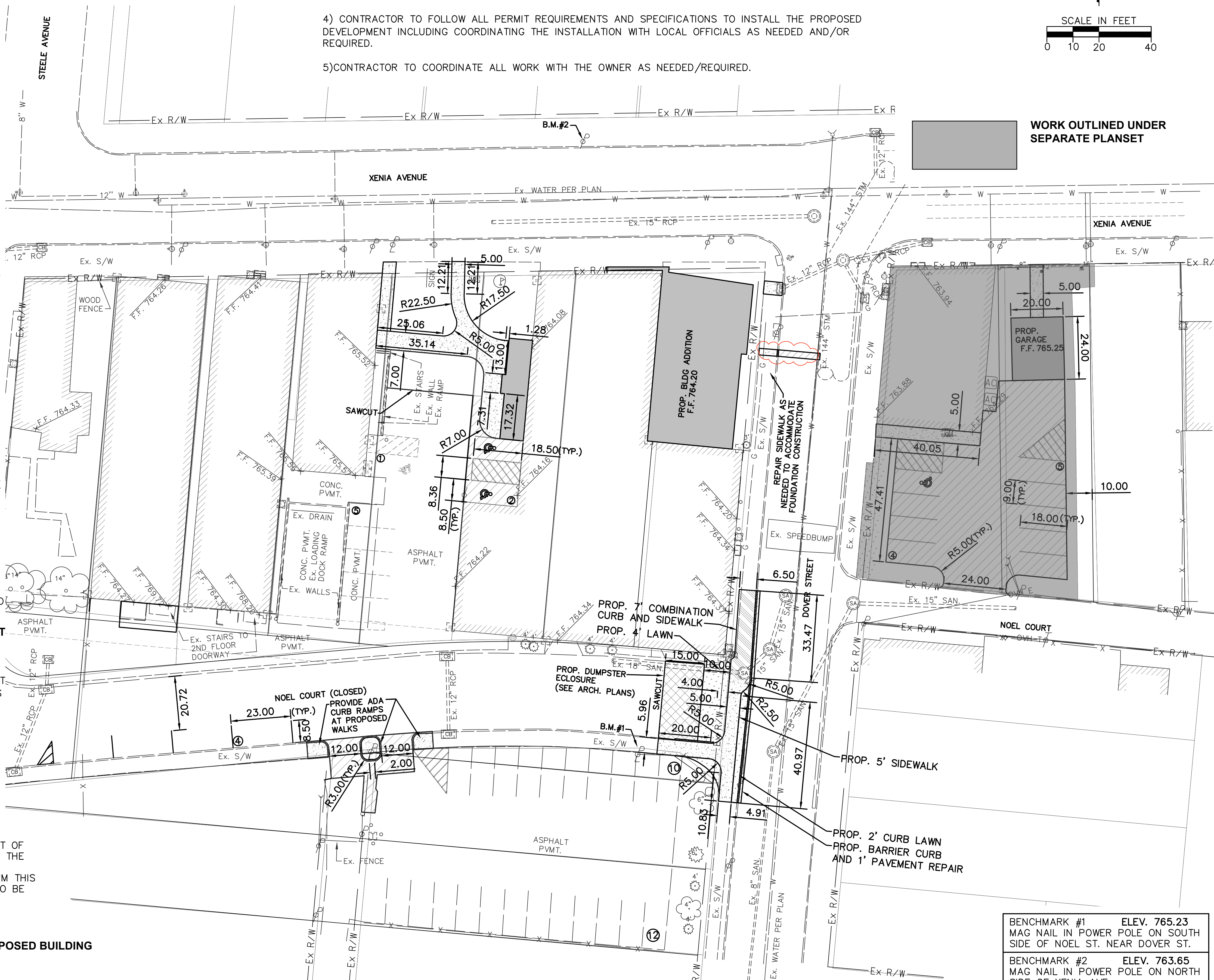
**REGULAR DUTY ASPHALT PAVEMENT**

ITEM 441 - 1 1/2" ASPHALT CONCRETE, SURFACE COURSE, TYPE 1, (449) PG 64-22 ON ITEM 407 - NON-TRACKING TACK COAT (APPLIED AT A RATE OF 0.06 GALLONS PER SQUARE YARD) ON ITEM 441 - 2 1/2" ASPHALT CONCRETE, INTERMEDIATE COURSE, TYPE 2, (449) ON ITEM 304 - 6" AGGREGATE BASE (2 EQUAL LIFTS) ON ITEM 204 - SUBGRADE COMPACTION



**REMOVE AND REPLACE EXISTING PAVEMENT IN-KIND**

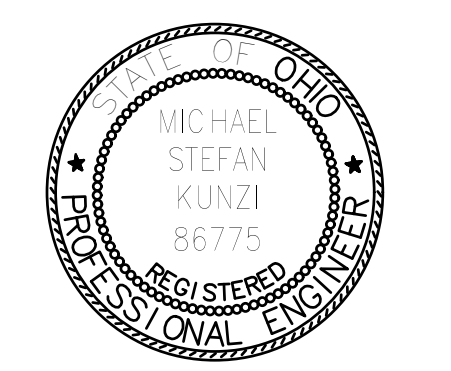
CONTRACTOR TO COORDINATE THE REMOVAL AND REPLACEMENT OF IN-KIND PAVEMENT WITH THE OWNER TO MAINTAIN ACCESS TO THE EXISTING AREAS AS NEEDED AND TO MINIMIZE AND PROPERLY SCHEDULE ANY DOWNTIME THAT MAY BE REQUIRED TO PERFORM THIS WORK. ACTUAL AREAS OF IN-KIND PAVEMENT REPLACEMENT TO BE AS NEEDED TO PERFORM REQUIRED WORK



PROPOSED BUILDING

BENCHMARK #1 ELEV. 765.23  
MAG NAIL IN POWER POLE ON SOUTH SIDE OF NOEL ST. NEAR DOVER ST.  
BENCHMARK #2 ELEV. 763.65  
MAG NAIL IN POWER POLE ON NORTH SIDE OF XENIA AVE.

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Building Renovation and Addition  
**East End Community Services  
West Care - 624 Building**  
624 Xenia Avenue, Dayton, Ohio 45410

DATE	DESCRIPTION
12/07/23	FOR CONSTRUCTION
12/22/23	ADDENDUM 1
01/02/24	ADDENDUM 2

DATE	01-02-2024
JOB NO.	4132.00
DRAWN	DSF
CHECKED	MSK

TITLE  
**DIMENSIONING AND PAVEMENT PLAN**

SHEET NO.  
**C1.3**

**LEGEND**

- 830- EXISTING CONTOURS
- 830- PROPOSED CONTOURS
- PROPOSED EDGE PAVEMENT
- PROPOSED CURB

**NOTES:**

CONTRACTOR TO VERIFY EXACT LOCATION, DEPTH AND SIZE OF UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY OWNER OF ANY CONFLICTS PRIOR TO THE INSTALLATION OF UTILITIES.

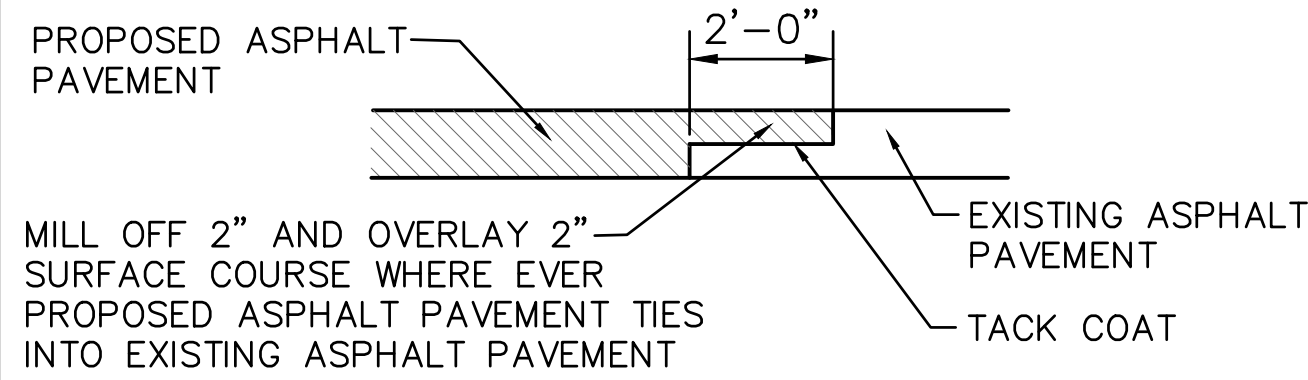
CONTRACTOR TO TIE INTO EXISTING PAVEMENT ELEVATIONS AS REQUIRED WHERE EVER NEW PAVEMENT ABUTS UP TO EXISTING PAVEMENT TO ENSURE A SMOOTH TRANSITION. ALL EX. PAVEMENT ELEVATIONS GIVEN ARE APPROXIMATED AND SHALL BE FIELD VERIFIED. CONTRACTOR SHALL ALSO ENSURE THAT A SMOOTH TRANSITION IS PROVIDED WHERE EVER PROPOSED GRADES MEET EXISTING GRADES THROUGHOUT THE SITE.

ALL DISTURBED LAWN AREAS SHALL BE GRADED TO DRAIN TO THE NEAREST INLET STRUCTURE.

CONTRACTOR TO ENSURE ALL AREAS OF THE SITE HAVE POSITIVE DRAINAGE. NO PONDING OR PUDDLING OF WATER IS PERMITTED.

PROJECT EARTH DISTURBED AREA = 0.18 ACRES

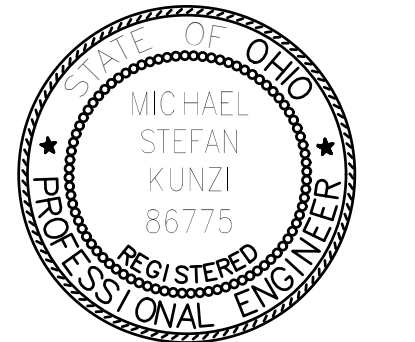
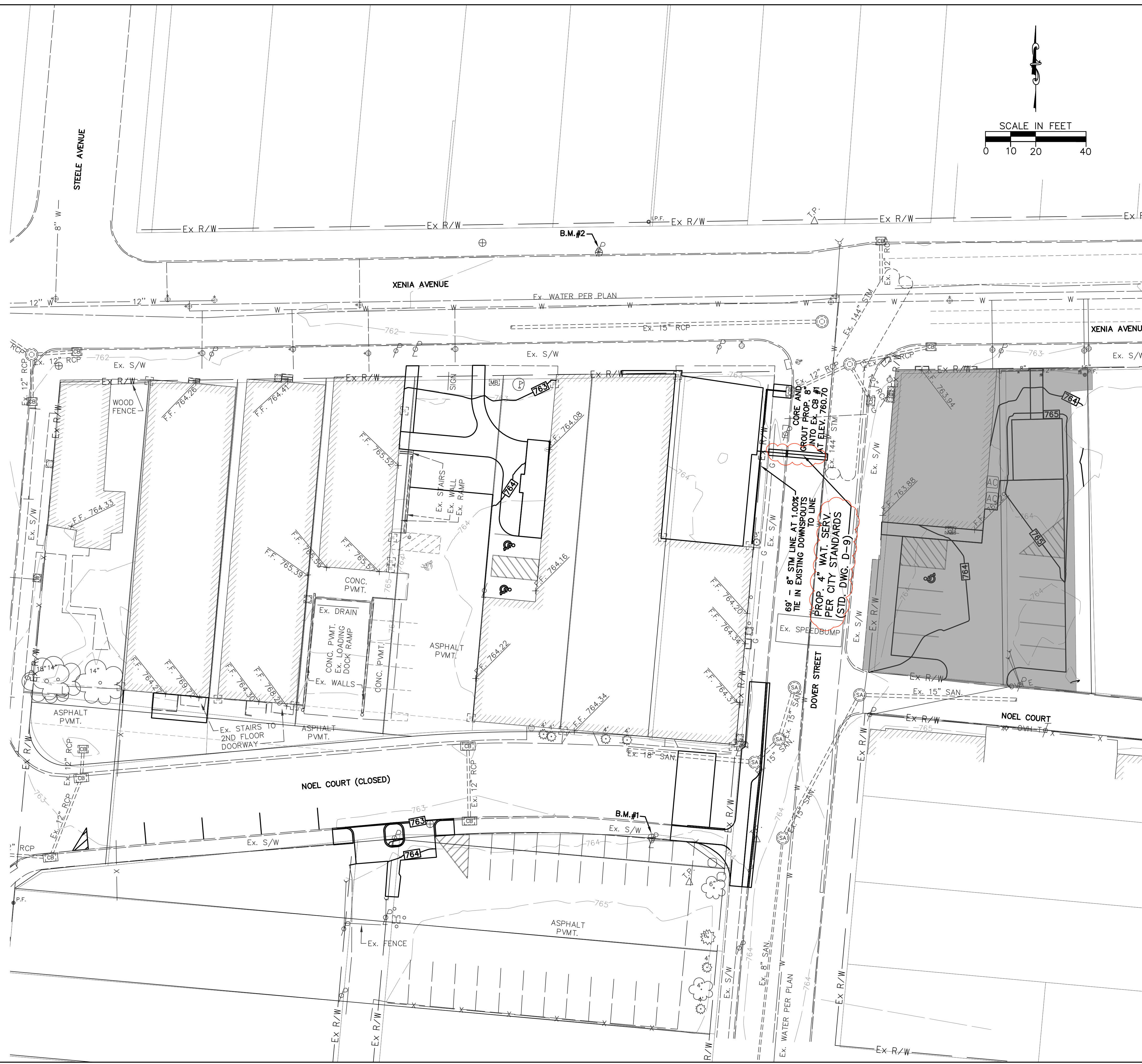
**TRANSITION DETAIL**



**WORK OUTLINED UNDER SEPARATE PLANSET**

BENCHMARK #1 ELEV. 765.23  
MAG NAIL IN POWER POLE ON SOUTH SIDE OF NOEL ST. NEAR DOVER ST.

BENCHMARK #2 ELEV. 763.65  
MAG NAIL IN POWER POLE ON NORTH SIDE OF XENIA AVE.



**Building Renovation and Addition  
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West Care - 624 Building**

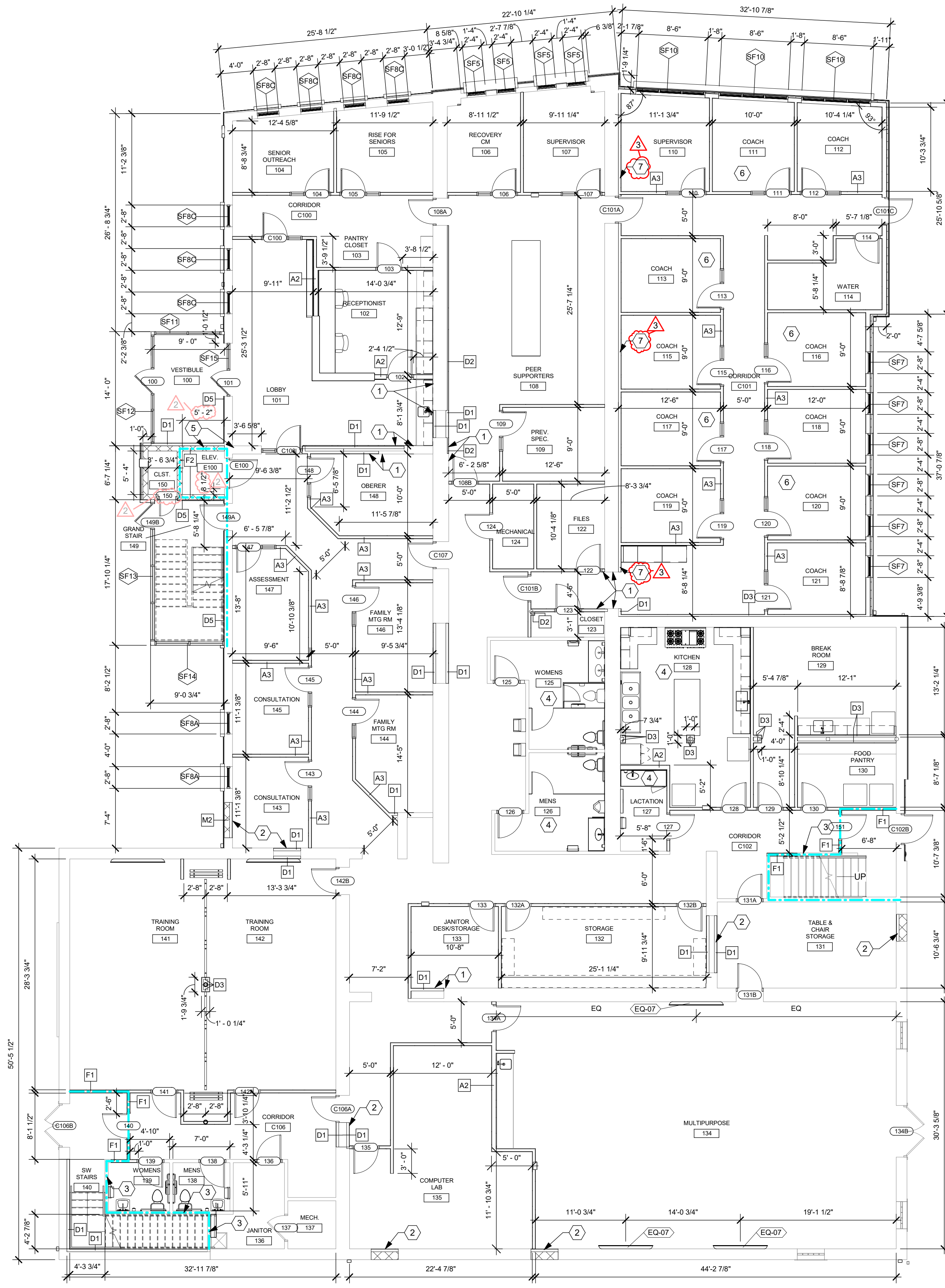
624 Xenia Avenue, Dayton, Ohio 45410

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DATE	DESCRIPTION
12/07/23	FOR CONSTRUCTION
12/22/23	ADDENDUM 1
01/02/24	ADDENDUM 2

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CHECKED	MSK

TITLE  
**GRADING PLAN**

SHEET NO.  
**C2.1**



**F2** FIRST FLOOR NEW WORK DIMENSION PLAN  
1/8" = 1'-0"

### GENERAL NOTES

- A. A. LEGEND, TYPICAL:  
CR = CARD READER
- B. NEW EASED EDGE SOLID SURFACE (SSM-1) WINDOW SILL BY G.C. AT ALL WINDOWS.
- C. NEW ROLLER SHADES TO BE PROVIDED AND INSTALLED AT ALL EXTERIOR WINDOWS (CFCI).
- D. PROVIDE AND MAINTAIN NEGATIVE AIR PRESSURE DURING CONSTRUCTION ACTIVITIES. COORDINATE WITH HVAC CONTRACTOR. REFER TO SPECIFICATION SECTION 01 5000 AND MECHANICAL DRAWINGS.
- E. REPAIR, LEVEL AND PREPARE EXISTING SUBFLOORS AND SLABS TO RECEIVE NEW FLOOR FINISH, INCLUDING AREAS WHERE OLD EXISTING WALLS ARE REMOVED. SUBFLOORS ARE CONCRETE ON FIRST FLOOR AND PLYWOOD ON SECOND FLOOR.
- F. INSTALL SOLID WOOD BLOCKING IN WALLS BEHIND WALL-MOUNTED ITEMS INCLUDING CASEWORK, RAILINGS, TOILET ACCESSORIES, ETC.
- G. IT IS INTENDED THAT THE CONSTRUCTION DOCUMENTS INDICATE A NEW FINISH ON ALL EXPOSED SURFACES OF THE AREA OF WORK. WHERE A SPECIFIC FINISH IS NOT INDICATED, THE CONTRACTOR SHALL PROVIDE THE FINISH INDICATED FOR OTHER SIMILAR SURFACES.
- H. EXISTING WALL SURFACES TO RECEIVE NEW SCHEDULED FINISHES SHALL BE PREPARED IN A MANNER ACCEPTABLE TO THE FINISH MANUFACTURER.
- I. CONTRACTORS SHALL PATCH AND REPAIR WALLS AT ALL ABANDONED UTILITIES (E.G. LIGHT SWITCHES, OUTLETS, FIRE ALARM, ETC.) FILL VOID WITH COMPATIBLE FILLER MATERIAL AND FINISH FLUSH WITH EXISTING FACE OF WALL. COORDINATE WITH P.M.E DRAWINGS.
- J. ALL CUTTING AND PATCHING SHALL BE PROVIDED BY THE TRADE REQUIRING THE NEW OPENING OR NEEDING TO PATCH AN OPENING WHERE A SERVICE IS REMOVED EXCEPT WHERE SPECIFICALLY NOTED OTHERWISE.
- K. WHERE FINISH FLOOR MATERIALS OF DIFFERENT THICKNESS COME TOGETHER, INSTALL ALUMINUM TERMINATION STRIPS. LOCATE CHANGES IN MATERIAL OR DIRECTION AT OPENINGS (UNDER DOORS).
- L. EXISTING FLOORING IS A COMBINATION OF CONCRETE (FIRST FLOOR) AND PLYWOOD (SECOND FLOOR) SUBFLOORING. RE-SECURE ANY LOOSE PLYWOOD SHEATHING AND REPLACE DAMAGED SHEATHING. FOR BIDDING PURPOSES CONSIDER 25% OF THE EXISTING PLYWOOD SUBFLOORING TO REMAIN TO BE REPLACED.
- M. IN PREPARATION FOR NEW FLOORING, SEVERAL AREAS OF THE FLOOR WILL REQUIRE INSTALLATION OF A SELF-LEVELING CEMENTITIOUS UNDERLAYMENT. FLOOR CONDITIONS ARE UNKNOWN UNTIL EXISTING FINISHED FLOORING IS REMOVED. FOR BIDDING PURPOSES CONSIDER 50% OF THE FLOOR AREA FOR INSTALLATION OF CEMENTITIOUS UNDERLAYMENT. WHERE REQUIRED, LEVEL EXISTING WOOD OR CONCRETE AREAS WITH CEMENTITIOUS UNDERLAYMENT SIKALevel-315 OR APPROVED EQUAL. PRIME SUBSTRATE WITH APPROPRIATE PRIMER - SIKALevel-01 OR SIKALevel-02 OR APPROVED EQUAL.
- N. REFER TO HVAC DRAWINGS FOR NOTES REGARDING ALLOWING OPENINGS IN NEW WALLS ABOVE CEILING FOR PLENUM RETURN AIR.
- O. INTERIOR DIMENSIONS ARE FROM FINISHED FACE TO FINISHED FACE UNLESS NOTED OTHERWISE.
- P. EXTERIOR DIMENSIONS ARE FROM EXTERIOR OF STRUCTURE TO EXTERIOR OF STRUCTURE UNLESS NOTED OTHERWISE.
- Q. ALL NEW WALLS ARE TYPE A1 UNLESS NOTED OTHERWISE.

### CONSTRUCTION NOTES

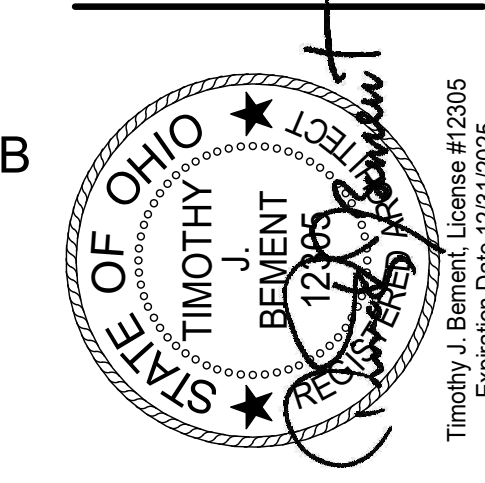
- (00) INDICATES CONSTRUCTION NOTE.
- 1 ALIGN.
- 2 INFILL OPENING. ALIGN WITH ADJACENT SURFACES.
- 3 EXISTING WALL. VERIFY CONSTRUCTION MEETS CONDITIONS SIMILAR TO WALL TYPE "F1". FIRE CAULK ALL PENETRATIONS WITH UL OR FM TESTED ASSEMBLIES.
- 4 REFER TO ENLARGED PLANS FOR MORE DIMENSIONS.
- 5 NEW CMU WALL TO BE ALIGNED WITH EXISTING CMU WALL.
- 6 TYPE A1 WALLS UP TO STRUCTURE ABOVE WITH 5/8" GYP. BD. ATTACHED TO BOTTOM OF TRUSS THIS ROOM.
- 7 THIS FURRING WALL TO BE SIMILAR TO PARTITION TYPE D1. STUDS TO BE 362S162-43 (33 ksi) STUDS AT 16" O.C. UP TO TRUSS BEARING.

### PHASING NOTES

- A. CONTRACTORS SHALL THOROUGHLY PLAN AND SCHEDULE ACTIVITIES TO MAINTAIN THE OFFICE FUNCTIONS AND COMPLETE THE WORK AS EXPEDITIOUSLY AS POSSIBLE. SUGGESTIONS AS TO MODIFICATIONS OF PHASING TO IMPROVE CONSTRUCTION ARE ENCOURAGED.
- B. ADDITIONAL CONSTRUCTION BARRIERS AT VARIOUS LOCATIONS MAY BE REQUIRED TO ADDRESS ACCESS CONCERNS IN CONSTRUCTION AREAS. WHERE APPLICABLE, EXISTING PARTITIONS AND NEW PARTITIONS MAY BE USED FOR THIS PURPOSE.
- C. MAINTAIN CONSTANT NEGATIVE AIR PRESSURE WITH HEPA FILTRATION IN CONSTRUCTION AREAS. REVIEW AREA WITH OWNER TO DETERMINE THE MOST APPROPRIATE AND LEAST COSTLY METHOD OF MAINTAINING NEGATIVE AIR PRESSURE. IT IS IMPERATIVE THAT ACOUSTIC SOUND SEALS ARE MAINTAINED ON EACH DOOR SEPARATING WORK AREAS FROM OCCUPIED AREAS.
- D. MAINTAIN MEANS OF EGRESS AT ALL TIMES DURING CONSTRUCTION.
- E. A TEMPORARY DUST BARRIER AROUND CONSTRUCTION AREAS CONSISTS OF METAL STUDS AND 5/8" GYPSUM BOARD. PAINT OCCUPIED SIDE TO MATCH SURROUNDING AREA. PROVIDE TEMPORARY DOOR AS REQUIRED. COORDINATE ADDITIONAL REQUIREMENTS, EXTENT & LOCATION WITH OWNER.
- F. TEMPORARY SEPARATION BETWEEN OCCUPIED SPACES AND CONSTRUCTION SHOULD MEET THE REQUIREMENTS OF NFPA 241, STANDARDS FOR SAFEGUARDING CONSTRUCTION, ALTERATION, AND DEMOLITION OPERATIONS, 2009.

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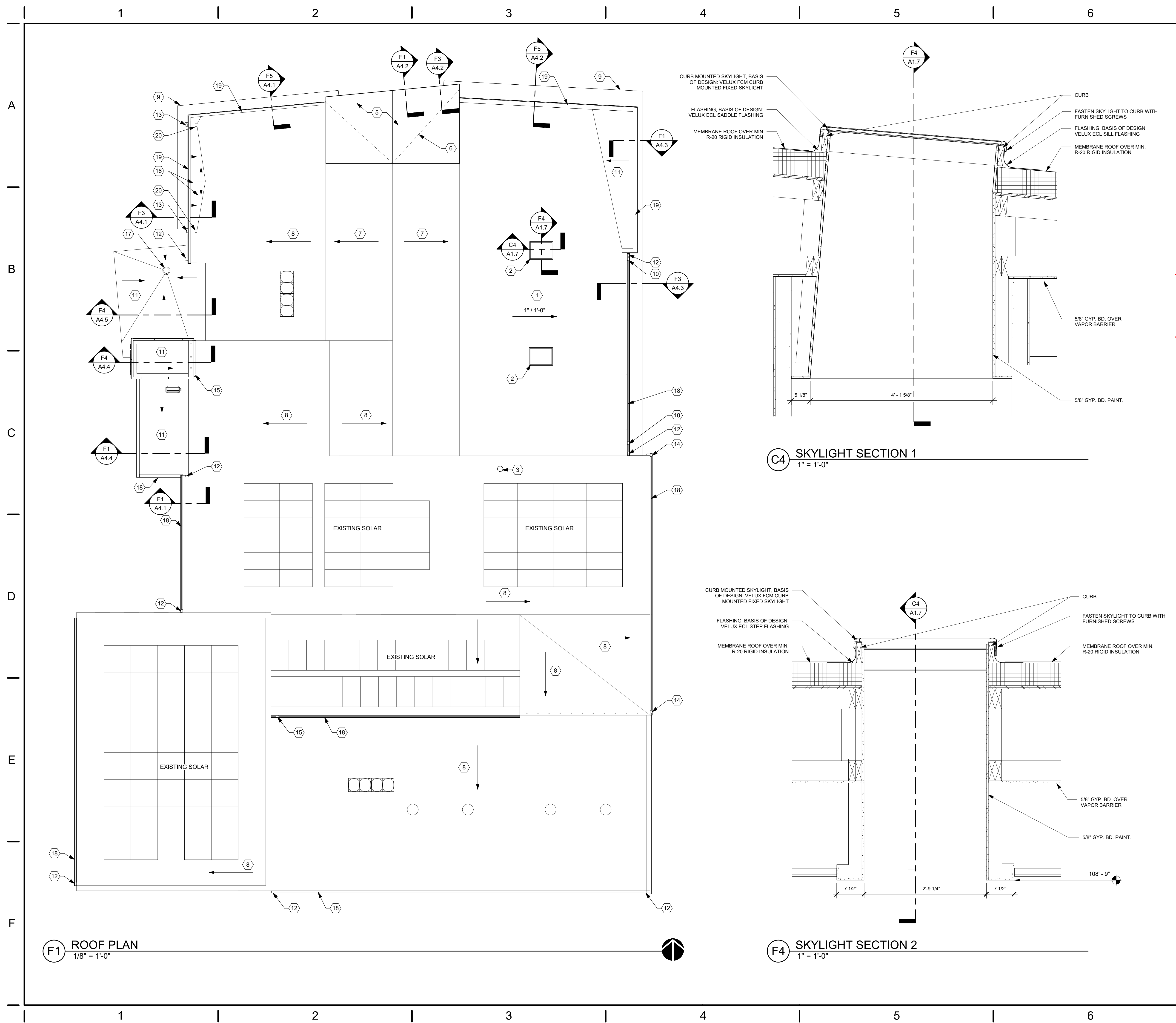
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TITLE  
**FIRST FLOOR DIMENSION  
PLAN**

SHEET NO.  
**A1.3**



**CONSTRUCTION NOTES**

- (00) INDICATES CONSTRUCTION NOTE.
- 1 NEW MEMBRANE ROOF OVER R-20 MIN. RIGID INSULATION.
  - 2 NEW SKYLIGHT. BASIS OF DESIGN: VELUX FIXED CURB-MOUNTED SKYLIGHT 34" X 46".
  - 3 NEW KITCHEN HOOD VENT.
  - 5 NEW ASPHALT SHINGLE GABLE ROOF FRAMED OVER EXISTING HIP ROOF. NEW SHINGLES APPLIED OVER ICE AND WATER SHIELD.
  - 6 EXISTING HIP ROOF.
  - 7 EXISTING ROOF TO REMAIN. REMOVE EXISTING SHINGLES AND APPLY NEW OVER ICE AND WATER SHIELD ENTIRE AREA.
  - 8 EXISTING ROOF TO REMAIN.
  - 9 PREMANUFACTURED METAL AWNING. REFER TO SHEET A5.07 & A5.08 FOR DETAILS.
  - 10 GALVALUME DOWNSPOUT FROM AWNING BELOW. TIE INTO ADJACENT DOWNSPOUT.
  - 11 NEW MEMBRANE ROOF OVER TAPED INSULATION OVER MIN. R-20 MIN. RIGID INSULATION.
  - 12 PREFINISHED GALVALUME DOWNSPOUT.
  - 13 PREFINISHED GALVALUME COLLECTOR BOX (8" x 12").
  - 14 PREFINISHED GALVALUME DOWNSPOUT. REFER TO ELEVATIONS FOR PATH.
  - 15 PREFINISHED GALVALUME DOWNSPOUT. DISCHARGE TO ROOF BELOW.
  - 16 NEW MEMBRANE ROOF OVERFRAMED OVER EXISTING ROOF. REFER TO WALL SECTIONS FOR DETAILS.
  - 17 ROOF DRAIN. REFER TO PLUMBING DRAWINGS.
  - 18 NEW 5" GALVAUME GUTTER.
  - 19 NEW PARAPET WALL.
  - 20 THROUGH WALL SCUPPER. REFER TO F3/A4.1 FOR DETAILS.

**GENERAL NOTES**

- A. COORDINATE ROOF PENETRATIONS WITH PLUMBING, ELECTRICAL AND MECHANICAL DRAWINGS.
  - B. ALL PENETRATIONS THROUGH ROOF SHALL BE PAINTED TO MATCH ROOF.
- ← INDICATES DIRECTION OF ROOF OR TAPERED INSULATION SLOPE.

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TITLE **ROOF PLAN**

SHEET NO. **A1.7**

1 2 3 4 5 6 7

A  
B  
C  
D  
E  
F



F2 SECOND FLOOR NEW WORK REFLECTED CEILING PLAN  
1/8" = 1'-0"

CONSTRUCTION NOTES

- (00) INDICATES CONSTRUCTION NOTE.
- 1 NEW GYP BD. CEILING FASTENED TO BOTTOM OF STRUCTURE ABOVE.
- 2 NEW APC CEILING.
- 3 FURNISH AND INSTALL ATTIC ACCESS DOOR, BASIS OF DESIGN: BEST ACCESS DOORS, 22" X 36" FLUSH UNIVERSAL ACCESS DOOR WITH EXPOSED FLANGE. COORDINATE EXACT LOCATION WITH TRUSSES & PME FIXTURES.
- 4 EXISTING EXPOSED STRUCTURE TO REMAIN.
- 5 GYP BD. BULKHEAD, REFER TO DETAIL D5/A2.2 FOR CONSTRUCTION DETAILS.
- 6 1 HOUR RATED GYP. BD. CEILING TYPE F3 FASTENED TO UNDERSIDE OF STRUCTURE ABOVE.
- 7 FASTEN 5/8" GYP. BD. OVER VAPOR BARRIER ALONG UNDERSIDE OF TRUSS ABOVE. BLOW IN R-30 GLASS FIBER INSULATION.
- 8 FASTEN 5/8" GYP. BD. OVER VAPOR BARRIER ALONG UNDERSIDE OF ANGLED ROOF BEAMS. FILL CAVITY WITH R-30 UNFACED GLASS FIBER BATT INSULATION.
- 9 VERIFY THE EQUIVALENT OF R-30 INSULATION ABOVE EXISTING GYP. BD. THIS AREA. SUPPLIMENT AS NEEDED.
- 10 VERIFY THE EQUIVALENT OF R-30 INULATION IN RAFTERS THIS AREA. SUPPLIMENT AS NEEDED.
- 11 NOTE NOT USED.

GENERAL NOTES

- A. REFER TO ROOM FINISH SCHEDULE AND SPECIFICATIONS FOR CEILING TYPES AND FINISHES.
- B. MEASURE CEILING AND LAYOUT GRIDS TO BALANCE WIDTHS AT OPPOSITE EDGES UNLESS NOTED OTHERWISE.
- C. MINIMUM APC PANEL WIDTH 3" U.N.O.
- D. REFER TO PME DRAWINGS FOR ADDITIONAL CEILING DEVICES AND DESCRIPTIONS.
- E. INSTALL EDGE MOLDING AT PERIMETER.
- F. LAY-IN ACOUSTICAL CEILING TILE SHALL BE CENTERED IN CORRIDOR AT ALL LOCATION UNLESS OTHERWISE NOTED.
- G. NOT ALL P.M.E. FIXTURES SHALL GRAPHICALLY APPEAR IN REFLECTED CEILING PLANS. REFER TO P.M.E. DRAWINGS FOR TYPICAL ROOM LAYOUTS.
- H. ALL EXPOSED GYPSUM BOARD TO BE PAINTED.

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TITLE SECOND FLOOR RCP NEW WORK	

SHEET NO.  
**A2.4**

1 2 3 4 5 6 7

1

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A

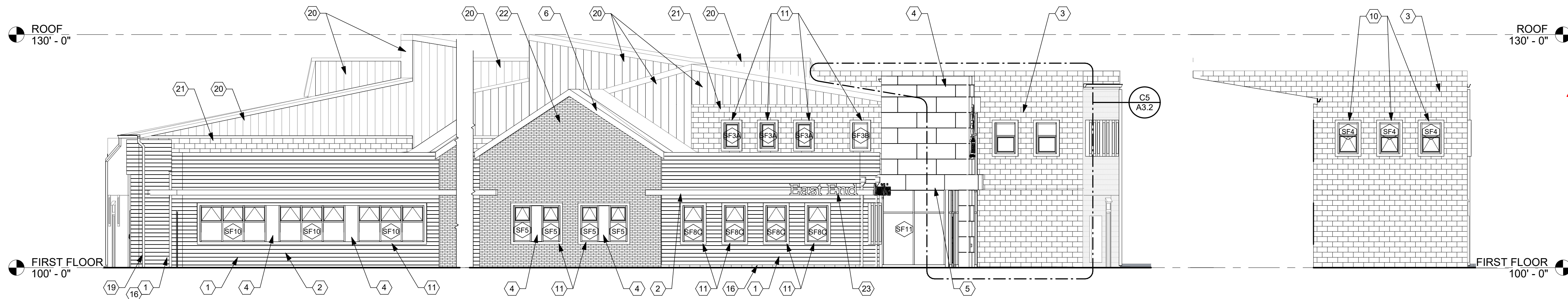
B

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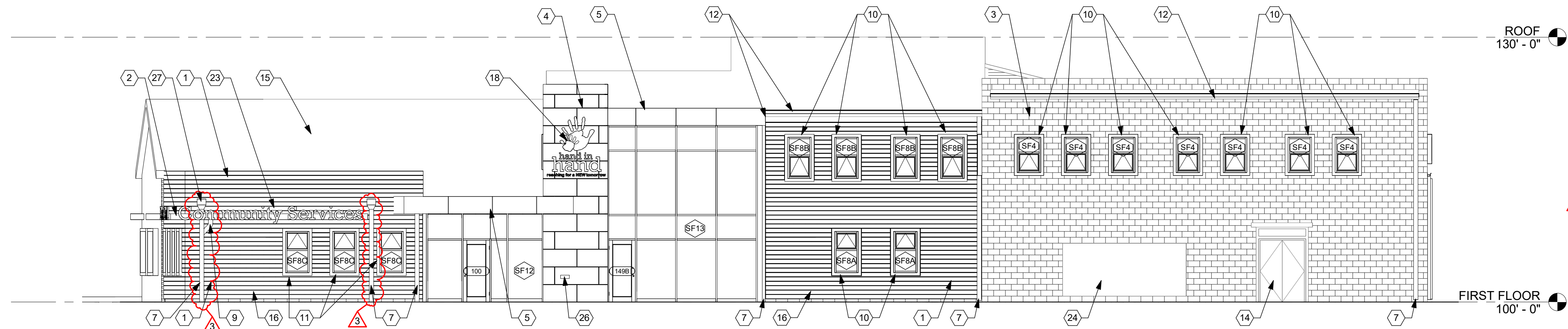
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**C1** NORTH/XENIA AVENUE ELEVATION B  
1/8" = 1'-0"

**C3** NORTH/XENIA AVENUE ELEVATION A  
1/8" = 1'-0"

**C5** NORTH FAÇADE OF SW ADDITION  
1/8" = 1'-0"



**E2** WEST/ENTRANCE ELEVATION  
1/8" = 1'-0"

### CONSTRUCTION NOTES

- 00 INDICATES CONSTRUCTION NOTE.  
NOT ALL NOTES USED ON THIS PAGE.
- 1 PHENOLIC PLANK VENEER.
- 2 PREMANUFACTURED ALUMINUM AWNING - SILVER. REFER TO SHEETS A5.2 & A5.3 FOR DETAILS.
- 3 EXISTING CMU. PREP FOR PAINT. TUCK POINT AS NEEDED. PAINT EP-4.
- 4 COMPOSITE METAL PANELS - SILVER.
- 5 COMPOSITE METAL PANELS - BLUE.
- 6 PREFINISHED GALVALUME FASCIA. COLOR TO BE SELECTED BY ARCHITECT FROM MANUFACTURER'S FULL RANGE OF COLORS.
- 7 PREFINISHED GALVALUME DOWNSPOUT. COLOR TO MATCH GUTTER. SURFACE DISCHARGE TO SPLASH BLOCK.
- 8 PREFINISHED GALVALUME DOWNSPOUT. COLOR TO MATCH GUTTER. SURFACE DISCHARGE TO ROOF BELOW.
- 9 PREFINISHED GALVALUME DOWNSPOUT. COLOR TO MATCH GUTTER. TIE INTO ADJACENT DOWNSPOUT.
- 10 NEW FRAMES AROUND WINDOW OPENINGS - BLUE. REFER TO DOOR AND WINDOW DETAILS.
- 11 NEW FRAMES AROUND WINDOW OPENINGS - SILVER. REFER TO DOOR AND WINDOW DETAILS.
- 12 PREFINISHED GALVALUME GUTTER - BLUE.
- 13 PREFINISHED GALVALUME GUTTER - SILVER.
- 14 REPLACE EXISTING WOOD TRIM WITH NEW WPT WOOD TRIM TO MATCH. PAINT TRIM AND RAIN GUARD EP-3.
- 15 NEW ASPHALT SHINGLES.
- 16 PRIOR TO APPLYING PHENOLIC VENEER, PREP EXISTING CMU FOR PAINT. TUCK POINT AS NEEDED. PAINT EP-3.
- 17 NEW ROOF FRAMED OVER EXISTING HIP.
- 18 FULL COLOR WALL MOUNTED SIGNAGE. REFER TO SHEET A5.1 FOR DETAILS.
- 19 PREFINISHED GALVALUME DOWNSPOUT. DISCHARGE INTO DOWNSPOUT ADAPTOR (BASIS OF DESIGN: PEIDMONT PIPE DOWNSPOUT - MODEL SO. OFFSETS AND SIZING TO BE COORDINATED WITH DOWNSPOUTS AND STORM PIPING); CONNECT TO STORM PIPING. REFER TO CIVIL DRAWINGS.
- 20 REPLACE EXISTING SIDING AND WITH NEW SHEATHING AND CONCRETE BOARD SIDING. BASIS OF DESIGN: HARDIE PANEL VERTICAL SIDING SIERRA 8. PAINT EP-6. REFER TO C1/A5.5 FOR DETAILS.
- 21 EXISTING CMU. PREP FOR PAINT. TUCK POINT AS NEEDED. PAINT EP-6.
- 22 THIN BRICK VENEER.
- 23 18" ALUMINUM LETTERING SIGNAGE. REFER TO A5.1 FOR DETAILS.
- 24 EXISTING MURAL TO REMAIN. PROTECT DURING EXTERIOR WORK.
- 25 RECESSED KNOX BOX. OFCI. COORDINATE EXACT LOCATION WITH OWNER AND FIRE DEPARTMENT.
- 26 MAIL SLOT. INSTALL @ 32" A.F.F. BASIS OF DESIGN: APPLIANCES CONNECTION, QUALARC LSF-LS14CHC LIBERTY CHUTE SUITABLE FOR 8 TO 14 INCH WALLS.
- 27 PREFINISHED GALVALUME COLLECTOR BOX (8" x 12").

### GENERAL NOTES

- A. ALL EXISTING GUTTERS, DOWNSPOUTS, FASCIAS, AND COPING TO BE REMOVED AND REPLACED IN KIND WITH NEW PREFINISHED GALVALUME. COLOR TO BE SELECTED BY ARCHITECT FROM MANUFACTURER'S FULL RANGE.

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STATE OF OHIO  
TIMOTHY J. BEMENT  
EXPIRES 12/31/2025  
12/06/2023

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TITLE  
**EXTERIOR ELEVATIONS**

SHEET NO.  
**A3.2**

1

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7

A

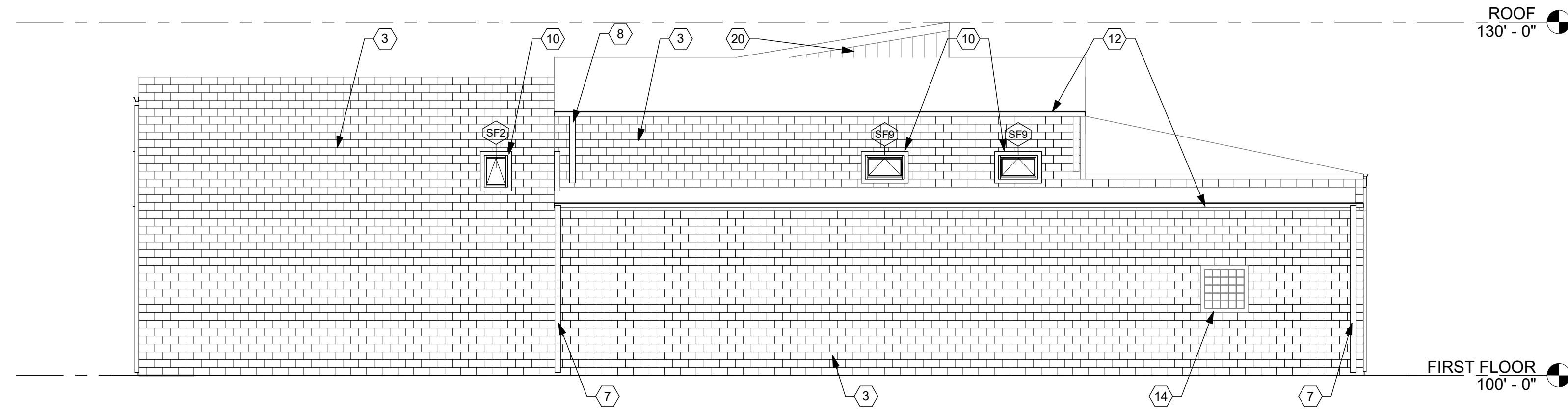
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C

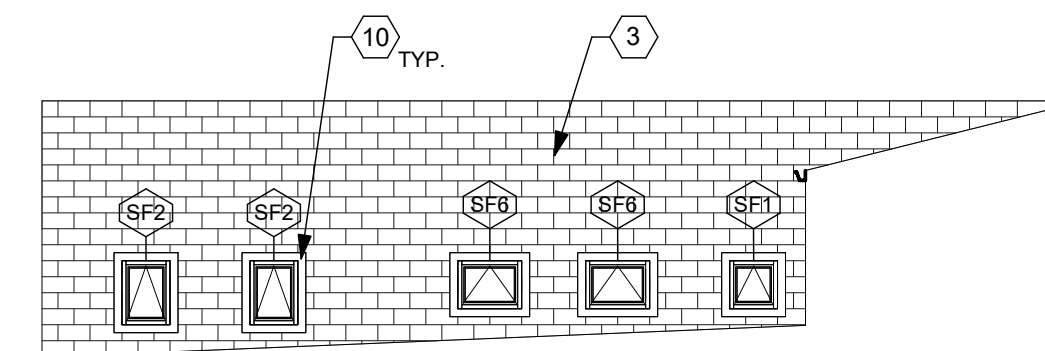
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E

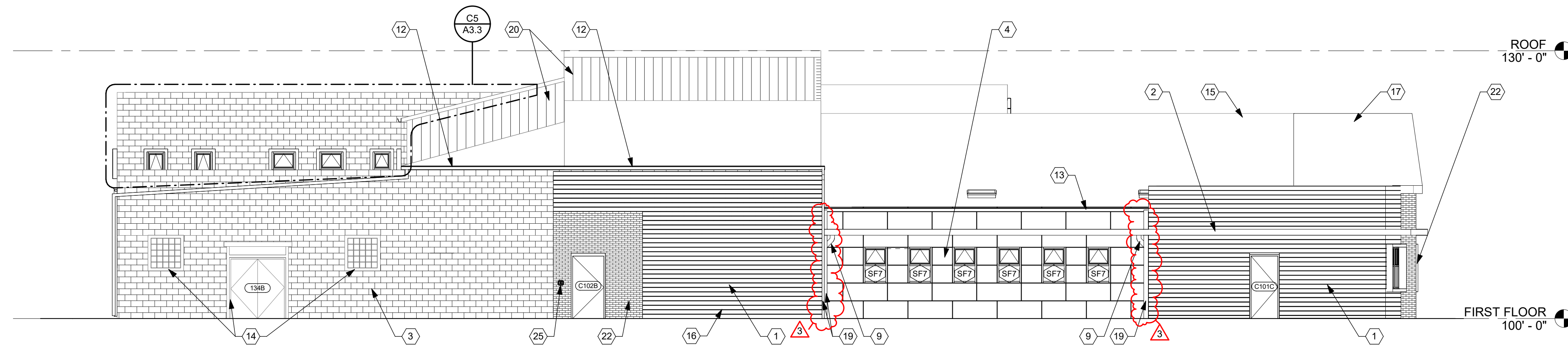
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**C3 SOUTH ELEVATION**  
1/8" = 1'-0"



**C5 EAST REAR ELEVATION**  
1/8" = 1'-0"



**E1 EAST/DOVER STREET ELEVATION**  
1/8" = 1'-0"

**CONSTRUCTION NOTES**

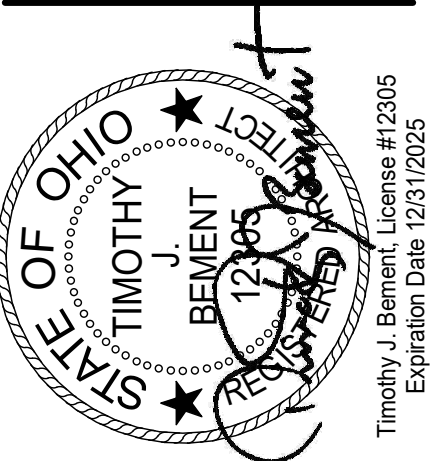
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- 2 PREMANUFACTURED ALUMINUM AWNING - SILVER. REFER TO SHEETS A5.2 & A5.3 FOR DETAILS.
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- 10 NEW FRAMES AROUND WINDOW OPENINGS - BLUE. REFER TO DOOR AND WINDOW DETAILS.
- 11 NEW FRAMES AROUND WINDOW OPENINGS - SILVER. REFER TO DOOR AND WINDOW DETAILS.
- 12 PREFINISHED GALVALUME GUTTER - BLUE.
- 13 PREFINISHED GALVALUME GUTTER - SILVER.
- 14 REPLACE EXISTING WOOD TRIM WITH NEW WPT WOOD TRIM TO MATCH. PAINT TRIM AND RAIN GUARD EP-3.
- 15 NEW ASPHALT SHINGLES.
- 16 PRIOR TO APPLYING PHENOLIC VENEER, PREP EXISTING CMU FOR PAINT. TUCK POINT AS NEEDED. PAINT EP-3.
- 17 NEW ROOF FRAMED OVER EXISTING HIP.
- 18 FULL COLOR WALL MOUNTED SIGNAGE. REFER TO SHEET A5.1 FOR DETAILS.
- 19 PREFINISHED GALVALUME DOWNSPOUT. DISCHARGE INTO DOWNSPOUT ADAPTOR (BASIS OF DESIGN: PEIDMONT PIPE DOWNSPOUT - MODEL SO. OFFSETS AND SIZING TO BE COORDINATED WITH DOWNSPOUTS AND STORM PIPING). CONNECT TO STORM PIPING. REFER TO CIVIL DRAWINGS.
- 20 REPLACE EXISTING SIDING AND WITH NEW SHEATHING AND CONCRETE BOARD SIDING. BASIS OF DESIGN: HARDIE PANEL VERTICAL SIDING SIERRA 8. PAINT EP-6. REFER TO C1/A5.5 FOR DETAILS.
- 21 EXISTING CMU. PREP FOR PAINT. TUCK POINT AS NEEDED. PAINT EP-6.
- 22 THIN BRICK VENEER.
- 23 18" ALUMINUM LETTERING SIGNAGE. REFER TO A5.1 FOR DETAILS.
- 24 EXISTING MURAL TO REMAIN. PROTECT DURING EXTERIOR WORK.
- 25 RECESSED KNOX BOX. OFCI. COORDINATE EXACT LOCATION WITH OWNER AND FIRE DEPARTMENT.
- 26 MAIL SLOT. INSTALL @ 32" A.F.F. BASIS OF DESIGN: APPLIANCES CONNECTION, QUALARC LSF-LS14CHC LIBERTY CHUTE SUITABLE FOR 8 TO 14 INCH WALLS.
- 27 PREFINISHED GALVALUME COLLECTOR BOX (8" x 12").

**GENERAL NOTES**

- A. ALL EXISTING GUTTERS, DOWNSPOUTS, FASCIAS, AND COPING TO BE REMOVED AND REPLACED IN KIND WITH NEW PREFINISHED GALVALUME. COLOR TO BE SELECTED BY ARCHITECT FROM MANUFACTURER'S FULL RANGE.

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ISSUE		
NO.	DATE	DESCRIPTION
1	12/07/23	FOR CONSTRUCTION
3	01/02/2023	ADDENDUM 2

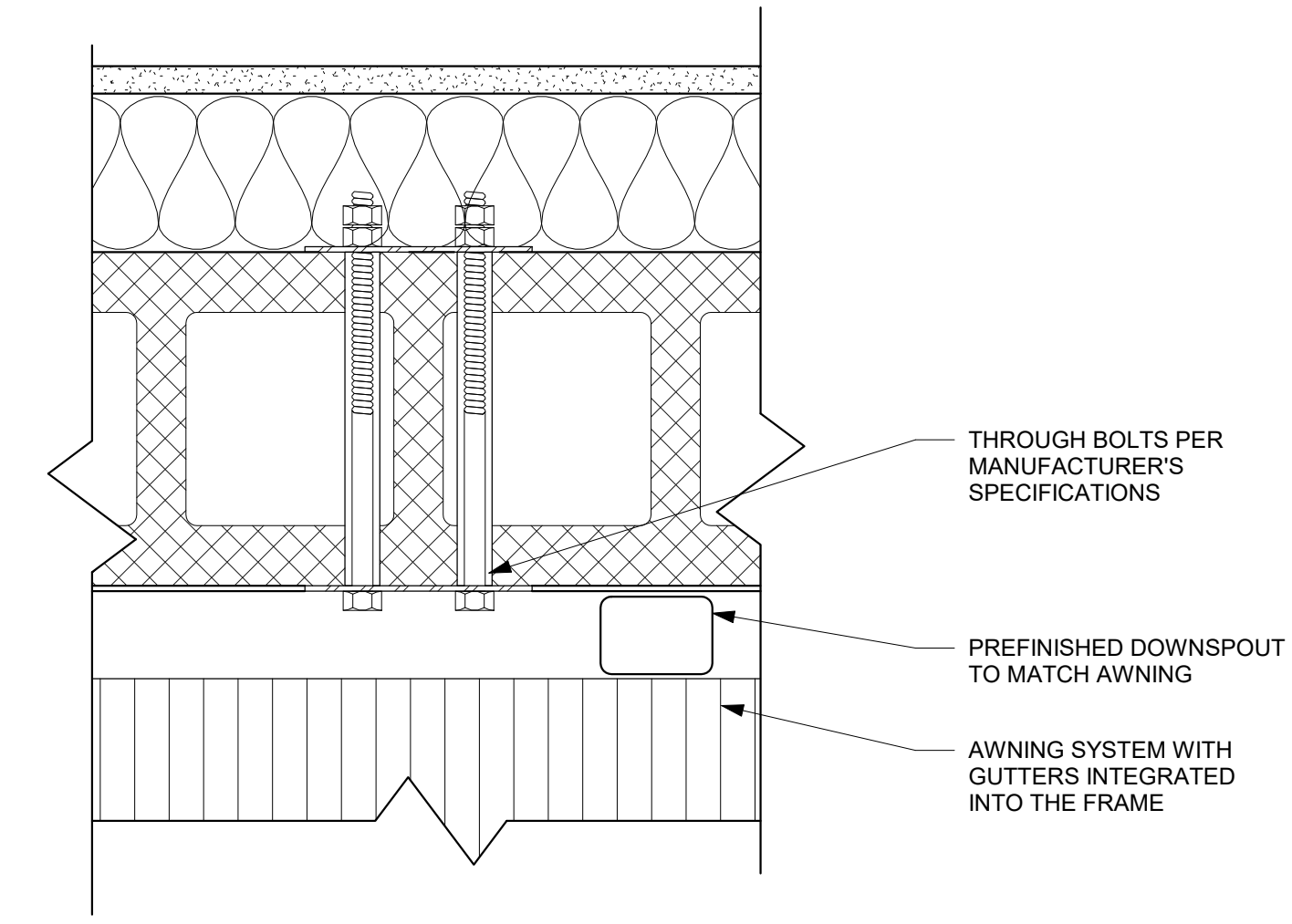
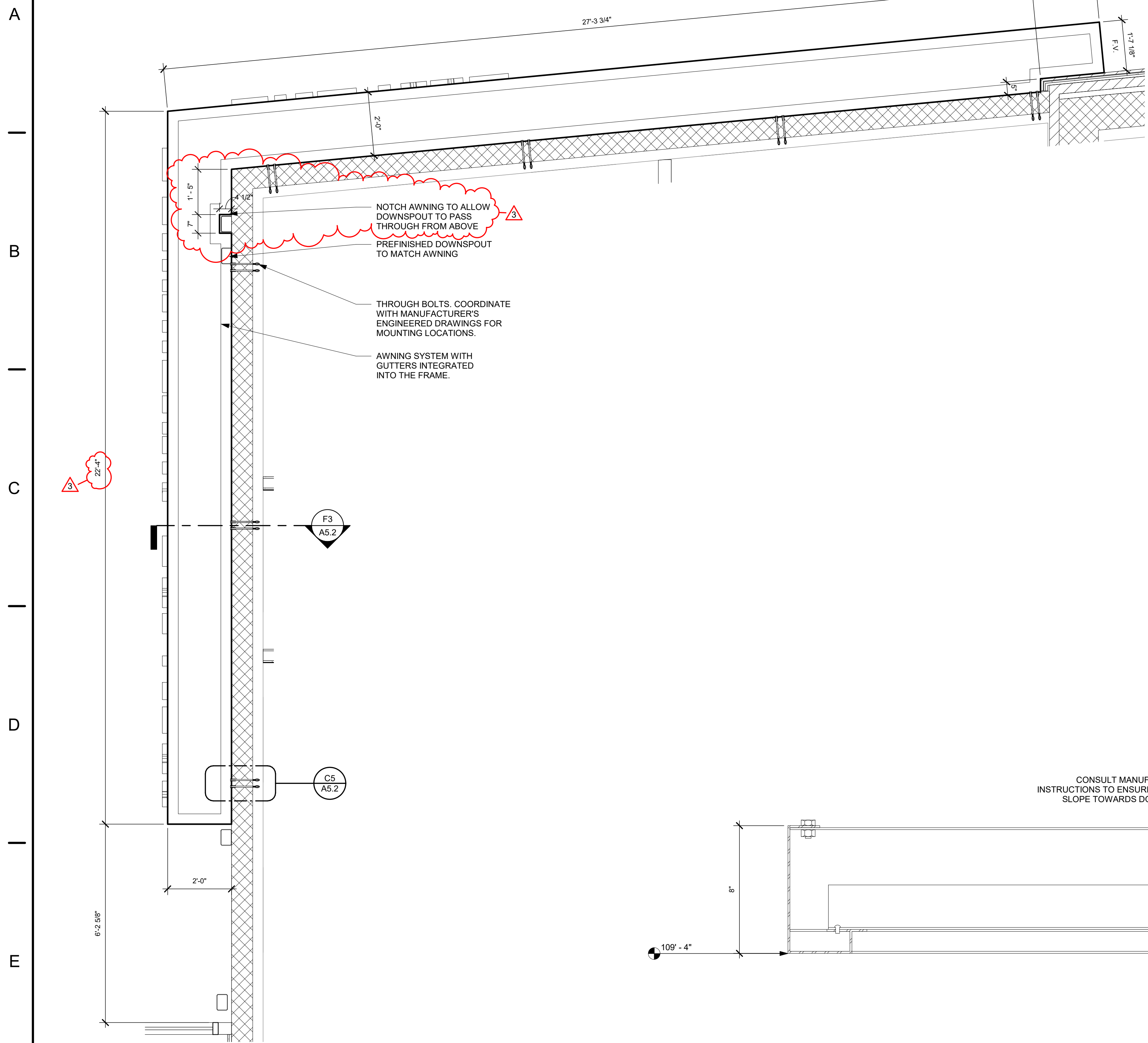
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TITLE  
**EXTERIOR ELEVATIONS**

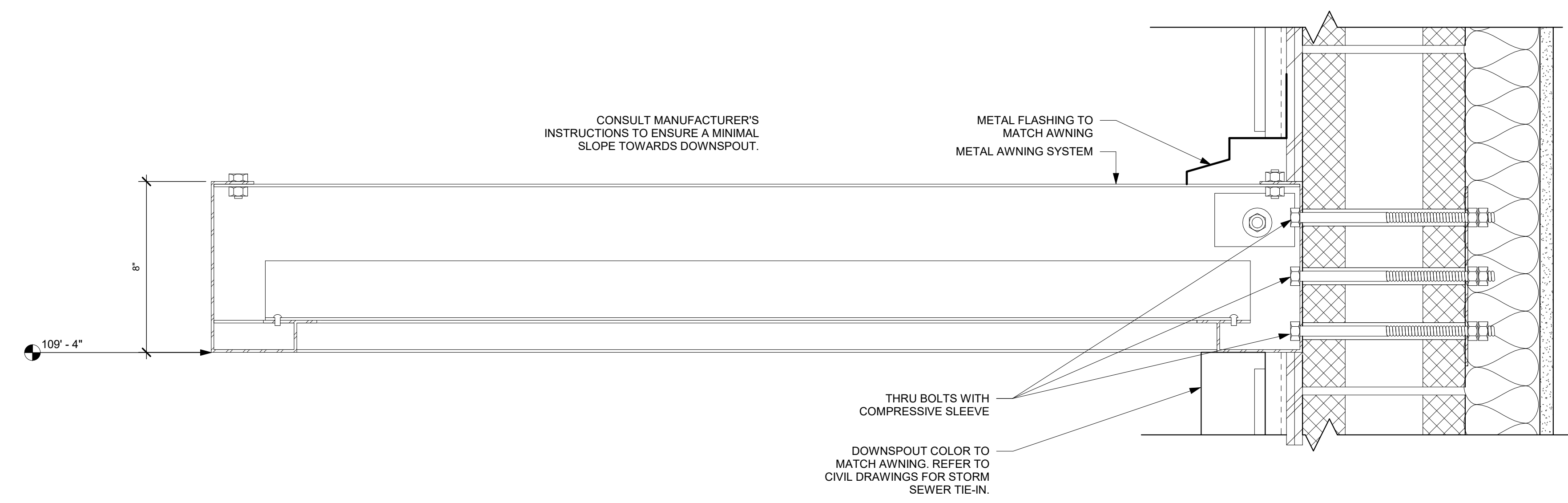
SHEET NO.  
**A3.3**



NOTE:  
A. FIELD VERIFY ALL DIMENSIONS PRIOR TO FABRICATION.



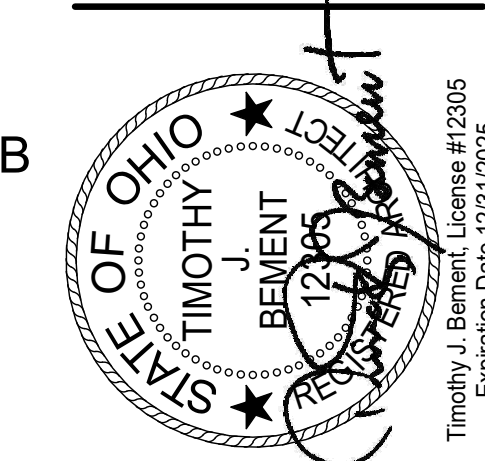
C5 CONNECTION DETAIL - CMU WALL  
3" = 1'-0"



F3 AWNING SECTION - CMU WALL  
3" = 1'-0"

F1 NORTHWEST AWNING  
1/2" = 1'-0"

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TITLE EXTERIOR DETAILS - AWNINGS	

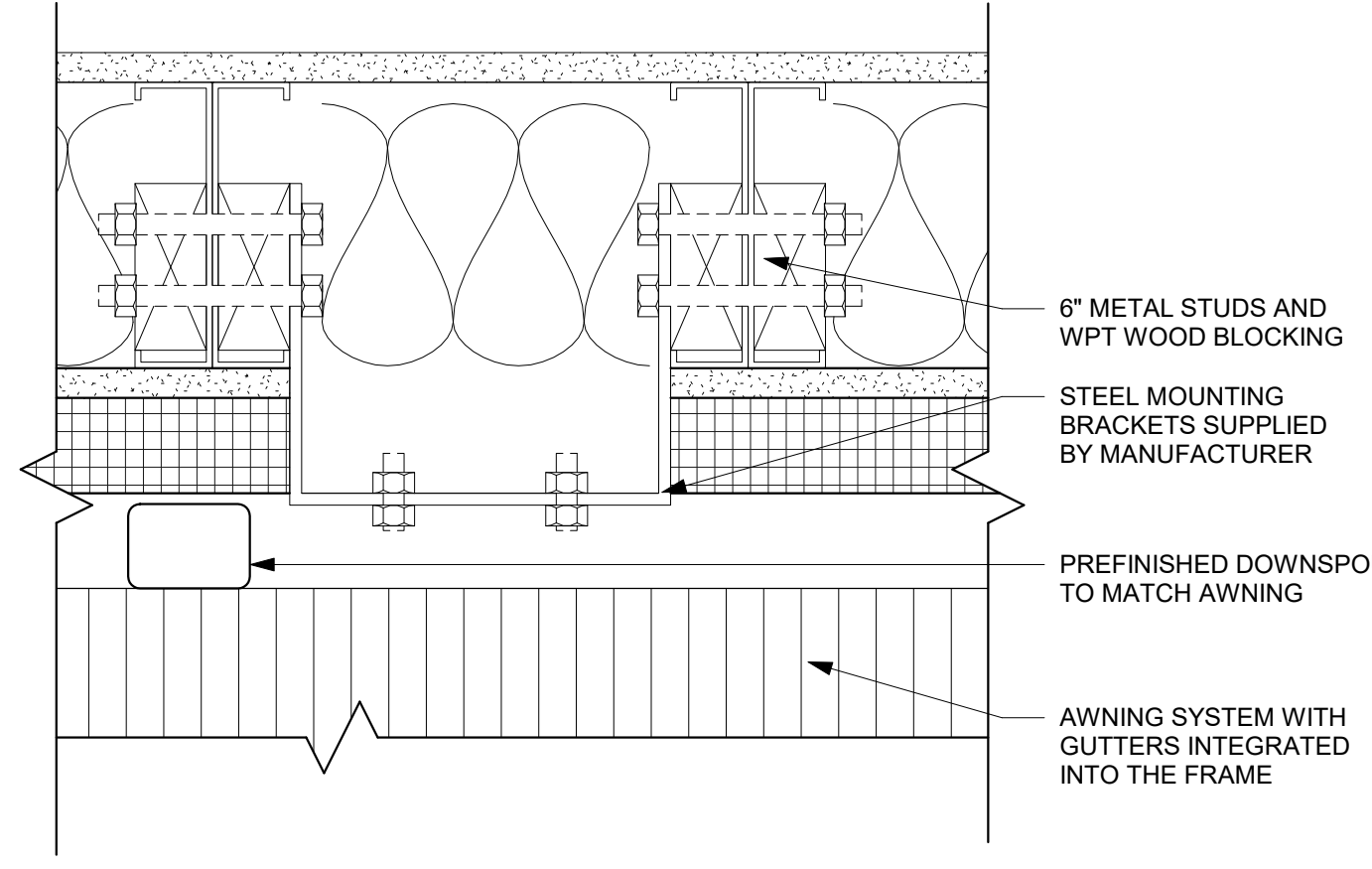
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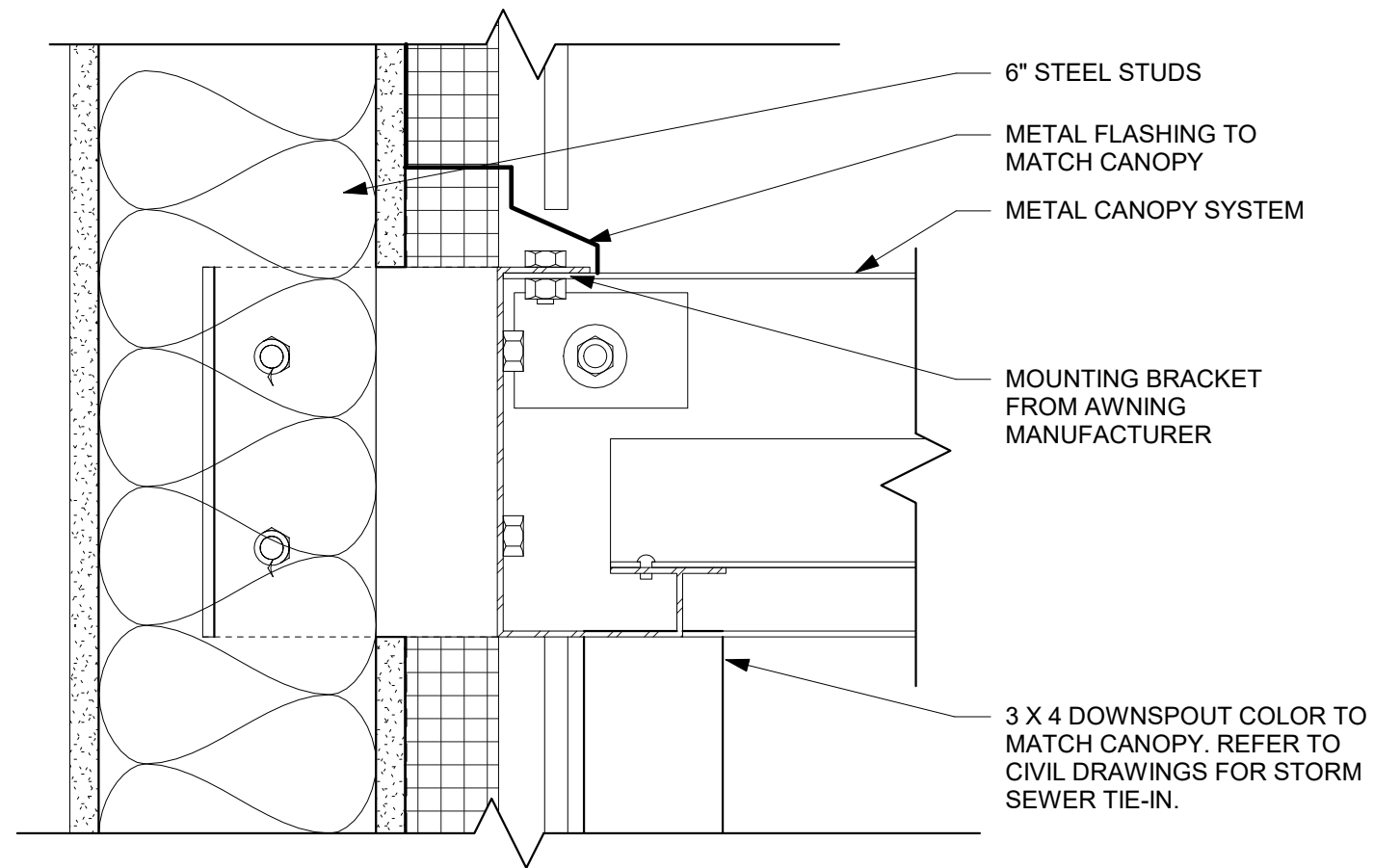
1 | 2 | 3 | 4 | 5 | 6 | 7

A  
B  
C  
D  
E  
F

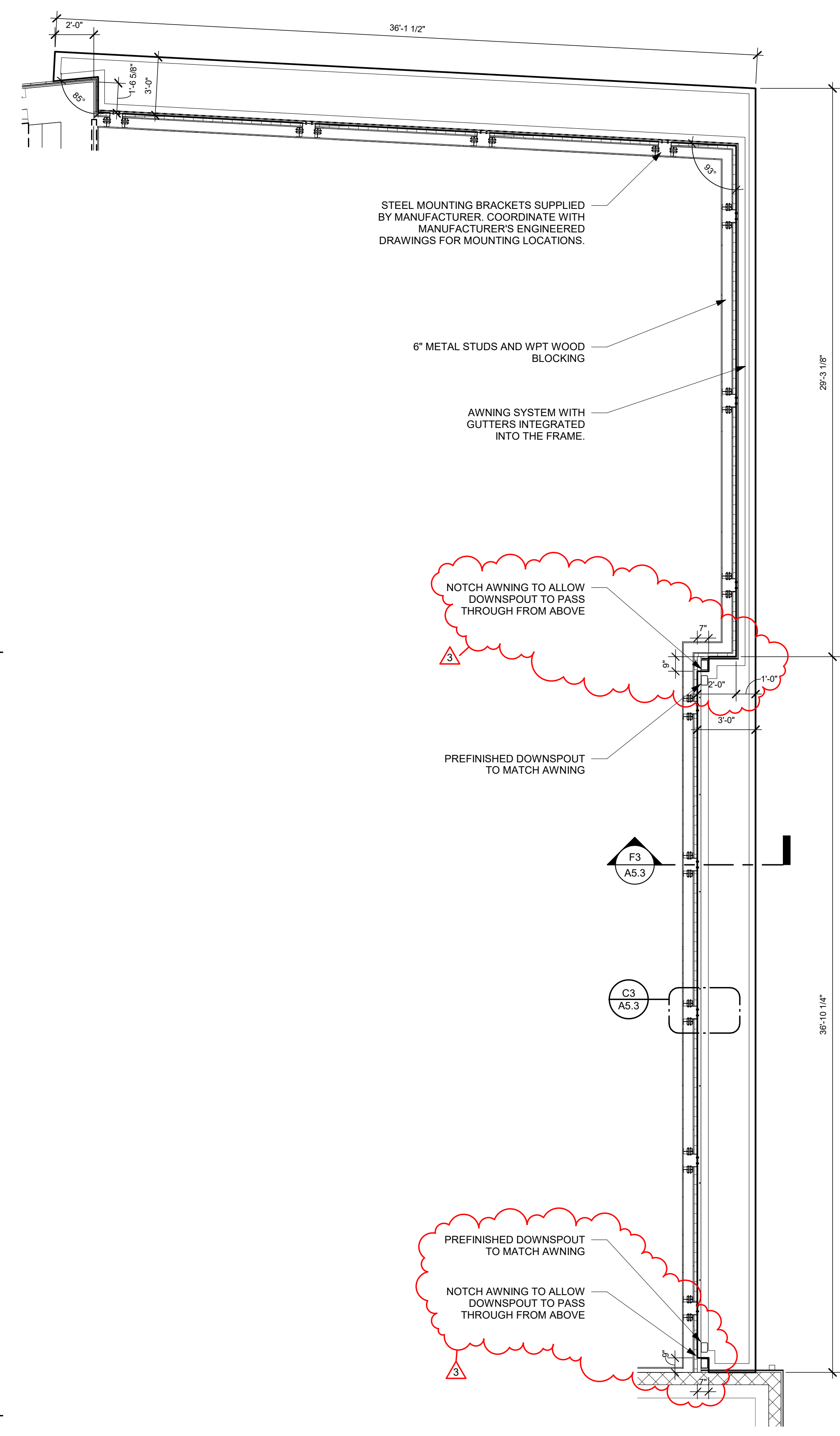
NOTES:  
 A. CONTRACTOR TO COORDINATE REINFORCING STUDS IN STRUCTURAL STUD WALLS WITH THE AWNING MANUFACTURER'S ENGINEERED DRAWINGS TO RESIST THE FORCES CREATED BY THE ATTACHED AWNINGS.  
 B. FIELD VERIFY ALL DIMENSIONS PRIOR TO FABRICATION.



**C3** CONNECTION DETAIL STUD WALL  
 3" = 1'-0"

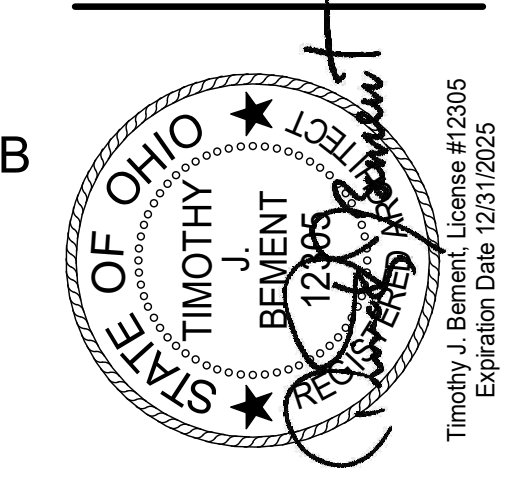


**F3** AWNING SECTION - STUD WALL  
 3" = 1'-0"



**F6** NORTHEAST AWNING  
 1/4" = 1'-0"

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TITLE EXTERIOR DETAILS - AWNINGS	

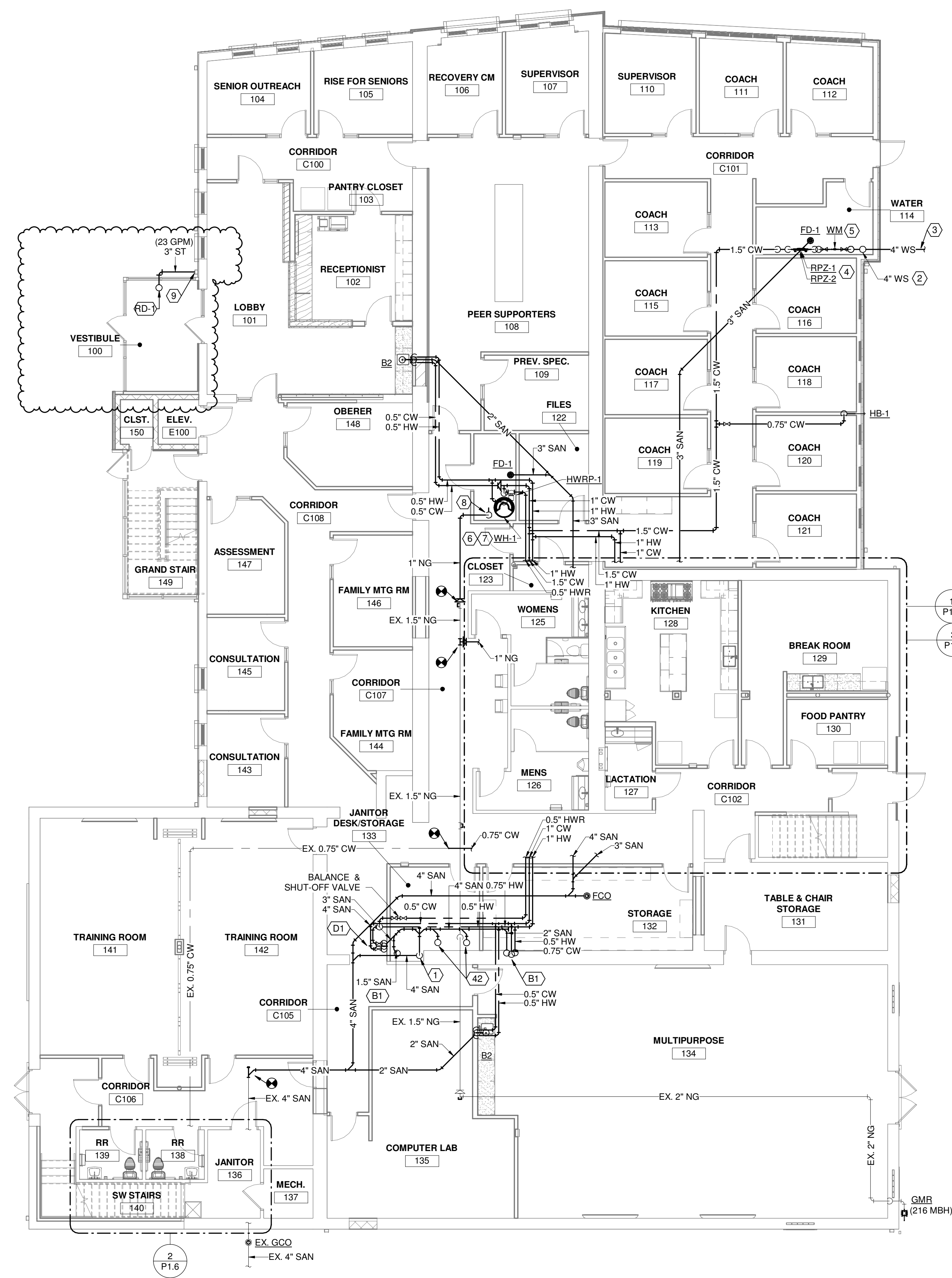
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1 | 2 | 3 | 4 | 5 | 6 | 7

1 2 3 4 5 6 7

A B C D E F



- DRAWING NOTES**
- SANITARY PIPING ROUTED DOWN FROM FLOOR ABOVE.
  - COMBINATION FIRE AND DOMESTIC WATER SERVICE ENTRANCE PER CITY OF DAYTON STANDARDS. PROVIDE 4" TEE WITH 1.5" FLANGED BRANCH. REFER TO COMBINATION WATER AND FIRE SERVICE DETAIL FOR ADDITIONAL INFORMATION.
  - REFER TO CIVIL DRAWINGS FOR CONTINUATION.
  - PROVIDE DUAL BACKFLOW ASSEMBLY PER AHJ REQUIREMENTS.
  - PROVIDE WATER METER WITH VALVED BYPASS ASSEMBLY PER AHJ REQUIREMENTS.
  - NEW FLOOR SET GAS FIRED WATER HEATER. EXPANSION TANK MOUNTED ON WALL USING WALL BRACKET EQUAL TO HOLD-RITE MODEL QS-1. TANK SHALL NOT BE SUPPORTED BY PIPING. REFER TO WATER HEATER PIPING DETAIL FOR ADDITIONAL INFORMATION.
  - EXTEND WATER HEATER COMBUSTION AND EXHAUST AIR PIPING UP TO ROOF. PROVIDE CONCENTRIC VENT KIT FOR WATER HEATER COMBUSTION AIR AND EXHAUST AIR PIPING. INSTALL PER MANUFACTURER REQUIREMENTS. LOCATE ROOF PENETRATION A MINIMUM OF 10'-0" FROM ANY MECHANICAL INTAKE AIR DUCT.
  - PROVIDE DIRT LEG, GAS ISOLATION VALVE, UNION, AND FLEXIBLE HOSE CONNECTION TO MECHANICAL EQUIPMENT. REFER TO DETAIL FOR ADDITIONAL INFORMATION.
  - ROUTE STORM PIPING THROUGH SOFFIT AND CONNECT TO DOWNSPOUT.

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TITLE  
**FIRST FLOOR PLAN -  
NEW WORK**

SHEET NO.  
**P1.2**

**1 FIRST FLOOR PLUMBING PLAN - NEW WORK**  
1/8" = 1'-0"

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1 2 3 4 5 6 7

ELECTRIC UNIT HEATER SCHEDULE											
PLAN MARK	TYPE	BASIS OF DESIGN				PHASE	DIMENSIONS				NOTES
		MANUF.	MODEL	KW	VOLT		LENGTH	HEIGHT	DEPTH	RECESS	
EH-1	RECESSED WALL HEATER	MARKEL	3320	3.0	208	1	15"	19"	4"	3"	1
EH-2	RECESSED WALL HEATER	MARKEL	3320	3.0	208	1	15"	19"	4"	3"	1
EH-3	RECESSED WALL HEATER	MARKEL	3320	3.0	208	1	15"	19"	4"	3"	1

NOTES:  
1. PROVIDE DISCONNECT SWITCH/CIRCUIT BREAKER, INTEGRAL THERMOSTAT AND TAMPERPROOF HARWARE.

FAN SCHEDULE											
PLAN MARK	TYPE	BASIS OF DESIGN				WHEEL SIZE	DRIVE	ELECTRICAL			NOTES
		MANUF.	MODEL	CFM	ESP ("WC)			HP	VOLT	PHASE	
EF-1	INLINE CENTRIF	GREENHECK	SQ-90	300	0.25	9"	DIRECT	1/6	120	1	1,2
EF-2	INLINE CENTRIF	GREENHECK	SQ-90	210	0.25	9"	DIRECT	1/6	120	1	1,2

NOTES:  
1. FAN SHALL RUN CONTINUOUSLY.  
2. PROVIDE WITH DISCONNECT SWITCH AND BACKDRAFT DAMPER

VRF INDOOR UNIT SCHEDULE													
PLAN MARK	DESCRIPTION	BASIS OF DESIGN				ESP ("WC.)	COOL MBH	HEAT MBH	ELECTRICAL				NOTES
		MFR	MODEL	AIRFLOW (CFM)	OA AIRFLOW (CFM)				VOLT/PH	MCA	MCCP		
VRF-1.01	CONCEALED DUCTED	mitsubishi	PEFY-P18NMAU-E4	600	155	0.4	18	20	208-230/1	3.0	15	1	
VRF-1.02	CONCEALED DUCTED	mitsubishi	PEFY-P18NMAU-E4	600	150	0.4	18	20	208-230/1	3.0	15	1	
VRF-1.03	MULTI-POS. AIR HANDLER	mitsubishi	PVfy-P12NAMU-E1	400	40	0.5	12	13.5	208-230/1	3.0	15	1	
VRF-1.04	CONCEALED DUCTED	mitsubishi	PEFY-P18NMAU-E4	600	161	0.4	18	20	208-230/1	3.0	15	1	
VRF-1.05	CONCEALED DUCTED	mitsubishi	PEFY-P24NMAU-E4	800	175	0.4	24	27	208-230/1	2.8	15	1	
VRF-1.06	CONCEALED DUCTED	mitsubishi	PEFY-P36NMAU-E4	1,271	175	0.4	36	40	208-230/1	2.8	15	1	
VRF-1.07	CONCEALED DUCTED	mitsubishi	PEFY-P36NMAU-E4	1,271	115	0.4	36	40	208-230/1	2.8	15	1	
VRF-1.08	CONCEALED DUCTED	mitsubishi	PEFY-P36NMAU-E4	1,271	115	0.4	36	40	208-230/1	2.8	15	1	
VRF-1.09	CONCEALED DUCTED	mitsubishi	PEFY-P24NMAU-E4	800	175	0.4	24	27	208-230/1	2.8	15	1	
VRF-2.01	CONCEALED DUCTED	mitsubishi	PEFY-P36NMAU-E4	1,077	175	0.4	36	40	208-230/1	2.8	15	1	
VRF-2.02	CONCEALED DUCTED	mitsubishi	PEFY-P36NMAU-E4	1,271	175	0.4	36	40	208-230/1	2.8	15	1	
VRF-2.03	MULTI-POS. AIR HANDLER	mitsubishi	PVfy-P54NMAU-E1	1,400	135	0.5	54	60	208-230/1	5.6	15	1	
VRF-2.04	CONCEALED DUCTED	mitsubishi	PEFY-P18NMAU-E4	600	80	0.4	18	20	208-230/1	3.0	15	1	
VRF-2.05	MULTI-POS. AIR HANDLER	mitsubishi	PEFY-P36NMAU-E4	1,077	85	0.4	36	40	208-230/1	2.8	15	1	
VRF-2.06	CONCEALED DUCTED	mitsubishi	PEFY-P24NMAU-E4	800	95	0.4	24	27	208-230/1	2.8	15	1	
VRF-2.07	CONCEALED DUCTED	mitsubishi	PEFY-P24NMAU-E4	800	145	0.4	24	27	208-230/1	2.8	15	1	

GENERAL NOTES:  
A. .

NOTES:  
1. PROVIDE WITH WALL MOUNTED SIMPLE MA CONTROLLER #PAC-YT53.

AIR DEVICE SCHEDULE									
PLAN MARK	DESCRIPTION	BASIS OF DESIGN		MOUNTING	FINISH	MATERIAL	ACCESSORIES	NOTES	
		MFR	MODEL						
A1	SQUARE FACE DIFFUSER, 24x24 FACE	TITUS	TMS	LAY-IN	WHITE	STEEL	-	-	
A2	SQUARE FACE DIFFUSER, 20x20 FACE	TITUS	TMS	SURFACE	WHITE	STEEL	OPP. BLADE DMPR	-	
A3	SQUARE FACE DIFFUSER, 12x12 FACE	TITUS	TMS	LAY-IN	WHITE	STEEL	-	-	
A4	SQUARE FACE DIFFUSER, 12x12 FACE	TITUS	TMS	SURFACE	WHITE	STEEL	OPP. BLADE DMPR	-	
B1	EGGCRATE CEILING GRILLE, 24x24 FACE	TITUS	50F	LAY-IN	WHITE	ALUM.	-	-	
B2	EGGCRATE CEILING GRILLE, 24x12 FACE	TITUS	50F	LAY-IN	WHITE	ALUM.	-	-	
B3	EGGCRATE CEILING GRILLE, 12x12 FACE	TITUS	50F	SURFACE	WHITE	ALUM.	OPP. BLADE DMPR	-	
B4	EGGCRATE CEILING GRILLE, 16x12 FACE	TITUS	50F	SURFACE	WHITE	ALUM.	OPP. BLADE DMPR	-	
C1	SIDEWALL SUPPLY GRILLE	TITUS	272RL	SURFACE	WHITE	STEEL	OPP. BLADE DMPR	-	
D1	SIDEWALL RETURN GRILLE	TITUS	350RL	SURFACE	WHITE	STEEL	OPP. BLADE DMPR	-	
F1	SINGLE DEFLECTION SUPPLY GRILLE	TITUS	301FL	SURFACE	WHITE	ALUM.	OPP. BLADE DMPR	-	

GENERAL NOTES:  
A. CARNES AND KRUEGER ACCEPTABLE ALTERNATE MANUFACTURER

NOTES:  
1. .

VRF OUTDOOR UNIT SCHEDULE															
PLAN MARK	BASIS OF DESIGN				ELECTRICAL					DIMENSIONS (IN.)				NOTES	
	MFR	MODEL	COOL MBH	HEAT MBH	EER	COP	# CONN.	VOLT/PH	MCA	REC. FUSE	L	W	H		WEIGHT (LB)
HP-1	mitsubishi	PURY-EP216TSNU-A	216	430	11.3	3.3	2	208-230/3	41/31	60/45	96"	29"	72"	1,250	-
HP-2	mitsubishi	PURY-EP240TSNU-A	240	270	11.7	3.5	2	208-230/3	41/41	60/60	96"	29"	72"	1,250	-

NOTES:  
A. NOMINAL COOLING CONDITIONS:  
INDOOR: 80°F D.B./67°F W.B. (26.7°C D.B./19.4°C W.B.), OUTDOOR: 95°F D.B. (35°C D.B.)  
B. NOMINAL HEATING CONDITIONS:  
INDOOR: 70°F D.B. (21.1°C D.B.), OUTDOOR: 47°F D.B./43°F W.B. (8.3°C D.B./6.1°C W.B.)

NOTES:  
1. .

DUCTWORK CONSTRUCTION SCHEDULE											
DUCT SYSTEM	SHAPE	PRESS. CLASS W.G.	MATERIAL	LINER			INSULATION				NOTES
				THK.	TYPE	D	THK.	TYPE	D	JACKET	
CONCEALED SUPPLY & RETURN	RND/RECT	-/+2"	GS	-	-	-	1.5"	IFD	-	FFJ	1,3
CONCEALED SUPPLY AIR DEVICE RUNOUT	RND	+1"	IFD	-	-	-	1.5"	IFD	-	FFJ	2
EXPOSED SUPPLY & RETURN	RND	-/+2"	GS	-	-	-	-	-	-	-	-
ATTIC SUPPLY AND RETURN	RND/RECT	-/+2"	GS	-	-	-	1.5"	FGW	-	FFJ	3
EXHAUST	RND/RECT	-/+1"	GS	-	-	-	-	-	-	-	-
TYPE I GREASE EXHAUST DUCT	RND/RECT	-2"	CS	-	-	-	*	FGW	-	FFJ	4

GENERAL NOTES:  
A. ALL PAINTING BY GENERAL CONTRACTOR.  
B. ALL DUCT JOINTS AND SEAMS SHALL BE SEALED PER OMC CHAPTER 5.  
C. TYPE I GREASE DUCT SHALL BE FULLY WELDED OR MANUFACTURED UL LISTED DOUBLEWALL WITH INTERNAL INSULATION.

SCHEDULE NOTES:  
1. INCLUDES DUCTWORK INSTALLED ABOVE CEILINGS.  
2. ROUND RUNOUTS TO AIR DEVICES SHALL BE EXTERNALLY INSULATED.  
3. ATTIC DUCTWORK SHALL BE INSULATED WITH MINIMUM R-6 INSULATION.  
4. DUCT SHALL BE EXTERNALLY INSULATED WITH FIRE WRAP THICKNESS TO PROVIDE 0" CLEARANCE TO COMBUSTIBLES.

ABBREVIATIONS:  
AIFD ACOUSTICAL INSULATED FLEX-DUCT  
ALUM ALUMINUM  
ABA ADHESIVE BACKED ALUMINUM  
ASJ ALL SERVICE JACKET  
CS CARBON STEEL  
D DENSITY (PCF)  
DWI DOUBLEWALL INSULATED  
ETPS EXTRUDED POLYSTYRENE  
FB FIBERGLASS BOARD  
FFJ FOIL FACED JACKET  
FGW FIBERGLASS WRAP  
GS GALVANIZED STEEL  
GSSP GALVANIZED STEEL SPIRAL PIPE  
IFD INSULATED FLEXIBLE DUCT  
MFF MATT FACED FIBERGLASS  
PFD PERFORATED FABRIC DUCT  
PFL PREFORMED LINER  
PGGS PAINTGRIP GALVANIZED STEEL  
PVOGS PVC COATED GALVANIZED STEEL  
RECT RECTANGULAR  
RND ROUND  
SS STAINLESS STEEL  
TH THICKNESS  
UFD UNISULATED FLEXIBLE DUCT

DUCTLESS SPLIT SYSTEM SCHEDULE																							
PLAN MARK	INDOOR UNIT							OUTDOOR UNIT							NOTES								
	BASIS OF DESIGN		CFM	E.S.P.	V/PH	MCA/MCCP (A)	NOM. COOLING CAPACITY (MBH)	NOM. HEATING CAPACITY (MBH)	CABINET DIMENSIONS			BASIS OF DESIGN		MIN. SEER		ELECTRIC V/PH	MCA/MCCP (A)	DIMENSIONS					
AC-1	mitsubishi	MSY-GS12NA							381	-	208-230/1	1.0/15	12.0		-			32"	9"	11.5"	mitsubishi	MUY-GS12NA	12.0
HP-3																							1

GENERAL NOTES:  
A. INDOOR UNIT COOLING CAPACITY BASED ON 80°F DB, 67°F WB E.A.T., OUTDOOR UNIT COOLING CAPACITY BASED ON 95°F AMBIENT TEMPERATURE.  
B. INDOOR UNIT HEATING CAPACITY BASED ON 70°F E.A.T., OUTDOOR UNIT HEATING CAPACITY BASED ON 5°F AMBIENT TEMPERATURE.  
C. INDOOR UNIT AIRFLOW QUANTITIES BASED ON HIGH FAN SPEED SETTING.

NOTES:  
1. INDOOR UNIT POWERED BY OUTDOOR UNIT.  
2. PROVIDE WITH REMOTE WIRELESS TEMPERATURE CONTROLLER. REFER TO PLANS FOR MOUNTING LOCATION.

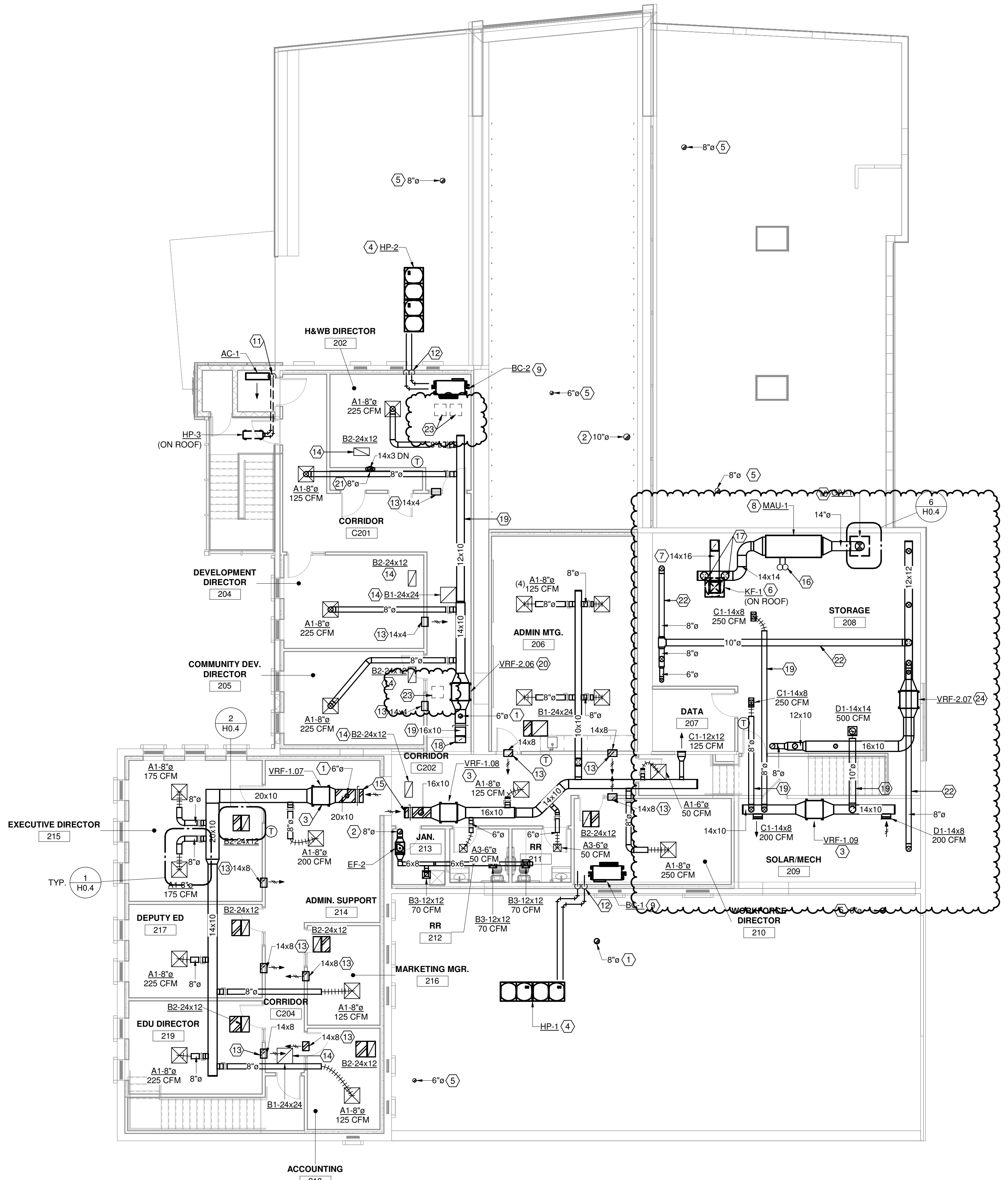
BRANCH CONTROLLER SCHEDULE								
PLAN MARK	MANUF.	MODEL	MAX MBH PER PORT	# OF BRANCHES	ELECTRICAL			NOTES
					VOLT/PH	MCA	MCCP	
BC-1	mitsubishi	CMB-P1012NU-JA1	54	12	208-230/1	1.2	15	-
BC-2	mitsubishi	CMB-P1016NU-JA1	54	12	208-230/1	1.2	15	-

NOTES:  
1. .



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

**GENERAL NOTES**

- A. ALL CONDENSATE DRAIN PIPING SHALL FOR VRF UNITS AND BRANCH CONTROLLERS SHALL BE FULL UNIT CONNECTION SIZE AND ROUTED TO THE JANITOR MOP SINK. PIPING SHALL BE PITCHED TOWARDS THE DISCHARGE. ALL VRF UNITS HAVE A BUILT-IN LIFT TO ALLOW FOR PROPER FALL.
- B. VRF INTERCONNECTING REFRIGERANT PIPING NOT SHOWN FOR CLARITY. PIPING SHALL BE RAN CONCEALED WITH CEILING SPACES, WALL CAVITIES AND PLENUMS WHERE AT ALL POSSIBLE. REFRIGERANT PIPING SHALL BE SIZED BY THE MANUFACTURER BASED ON FIELD INSTALL EQUIPMENT LOCATIONS AND DISTANCES.

**DRAWING NOTES**

1. VENTILATION AIR DUCT UP THROUGH ROOF. TERMINATE WITH WEATHERHOOD CAP WITH IRIDESCENT. PROVIDE GRAVITY BACKDRAFT DAMPER NEAR PENETRATION AND MANUAL BALANCE DAMPER NEAR CONNECTION TO RETURN MAIN. BALANCE VENTILATION AIR INTAKE TO AIRFLOW INDICATED ON VRF EQUIPMENT SCHEDULE.
2. EXHAUST AIR DUCT UP THROUGH ROOF. TERMINATE WITH WEATHERHOOD CAP WITH BIRDSCREEN.
3. VRF UNIT LOCATED ABOVE CEILING SUSPENDED FROM STRUCTURE. ROUTE FULL UNIT SIZE CONDENSATE PIPING TO SECOND FLOOR JANITOR CLOSET MOP SINK. TERMINATE WITH AIR GAP.
4. PROVIDE VRF HEAT PUMP UNIT MOUNTED ON STRUCTURAL STEEL FRAMING. REFER TO STRUCTURAL DRAWING FOR ADDITIONAL INFORMATION.
5. VENTILATION AIR DUCT UP THROUGH ROOF. TERMINATE WITH WEATHERHOOD CAP WITH BIRDSCREEN. PROVIDE GRAVITY BACKDRAFT DAMPER NEAR PENETRATION AND MANUAL BALANCE DAMPER NEAR CONNECTION TO RETURN MAIN. BALANCE VENTILATION AIR INTAKE TO AIRFLOW INDICATED ON VRF EQUIPMENT SCHEDULE. REFER TO FIRST FLOOR PLAN FOR CONTINUATION.
6. PROVIDE NEW KITCHEN HOOD EXHAUST FAN MOUNTED ON ROOF ABOVE. PROVIDE WITH SLOPED ROOF CURB OF SUFFICIENT HEIGHT SUCH THAT DISCHARGE POINT IS 40" MIN. ABOVE ROOF SURFACE.
7. TYPE I KITCHEN HOOD GREASE DUCT. REFER TO DUCTWORK CONSTRUCTION SCHEDULE FOR ADDITIONAL REQUIREMENTS.
8. PROVIDE NEW KITCHEN HOOD MAKEUP AIR UNIT. UNIT SHALL BE SET ON FLOOR WITH MINIMUM 4" HIGH COMPOSITE EQUIPMENT PAD. REFER TO EQUIPMENT SCHEDULE FOR ADDITIONAL REQUIREMENTS.
9. VRF BRANCH CONTROLLER LOCATED IN ATTIC SPACE. REFRIGERANT PIPING TO ASSOCIATED INDOOR UNITS SHALL BE ROUTED IN ATTIC SPACES, ABOVE CEILINGS AND WITHIN WALLS. PIPE SIZING SHALL BE BY THE MANUFACTURER BASED ON ACTUAL INSTALLED PIPING LENGTHS.
10. PROVIDE ROOF MOUNTED GRAVITY INTAKE VENTILATOR.
11. REFRIGERANT PIPING UP THROUGH ROOF TO HEAT PUMP UNIT. PROVIDE PIPE PENETRATION CURB AND SEAL WATERTIGHT.
12. ROUTE REFRIGERANT PIPING FROM BRANCH CONTROLLER ABOVE CEILING, DOWN WITHIN WALL AND ONTO ROOF TO VRF HEAT PUMP.
13. TRANSFER AIR DUCT LOCATED ABOVE CEILING. HATCHING INDICATES WITH 1" ACOUSTICAL LINER.
14. TRANSFER AIR GRILLE OPEN TO PLENUM SPACE.
15. DUCT OPEN TO PLENUM SPACE. HATCHING INDICATES INTERNAL LINER.
16. ROUTE MAKEUP AIR UNIT COMBUSTION AIR AND FLUE PIPING UP THRU ROOF. TERMINATE PER MANUFACTURER GUIDELINES. LOCATE DISCHARGE MINIMUM 10'-0" FROM ANY MECHANICAL INTAKE SOURCES.
17. MAKEUP AIR DUCT DOWN TO FLOOR BELOW. REFER TO FIRST FLOOR PLAN FOR CONTINUATION.
18. DUCT DROP FROM ATTIC TO PLENUM SPACE.
19. DUCTWORK LOCATED IN ATTIC SPACE. DUCTWORK SHALL BE INSULATED WITH MINIMUM R-6 FIBERGLASS INSULATION WITH FOIL JACKET.
20. VRF UNIT LOCATED ATTIC SPACE SUSPENDED FROM STRUCTURE. ROUTE FULL UNIT SIZE CONDENSATE PIPING TO SECOND FLOOR JANITOR CLOSET MOP SINK. TERMINATE WITH AIR GAP.
21. VENTILATION AIR DUCT FROM BELOW ROUTED WITHIN WALL FRAMING INTO ATTIC SPACE THEN TRANSITION TO ROUND DUCT WITHIN ATTIC SPACE UP THROUGH ROOF. TERMINATE WITH WEATHERHOOD CAP WITH BIRDSCREEN. PROVIDE GRAVITY BACKDRAFT DAMPER NEAR PENETRATION AND MANUAL BALANCE DAMPER NEAR CONNECTION TO RETURN MAIN. BALANCE VENTILATION AIR INTAKE TO AIRFLOW INDICATED ON VRF EQUIPMENT SCHEDULE. REFER TO FIRST FLOOR PLAN FOR CONTINUATION.
22. DUCT ROUTED TIGHT TO UNDERSIDE OF STRUCTURE ABOVE.
23. PROVIDE 16"x16" FLUSH METAL ACCESS DOOR FOR GYPSUM INSTALLATION.
24. VRF UNIT LOCATED AT FLOOR LEVEL. ROUTE FULL UNIT SIZE CONDENSATE PIPING DOWN TO NEAREST FIRST FLOOR JANITOR CLOSET MOP SINK. TERMINATE WITH AIR GAP.



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DATE	12/07/2023
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CHECKED	JLW
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TITLE	HVAC SECOND FLOOR PLAN - NEW WORK

**EQUIPMENT ELECTRICAL DATA SCHEDULE**

PLAN SYMBOL	DESCRIPTION/LOCATION	LOAD CHARACTERISTICS							STARTER					DISCONNECT				CTRL DEVICE			PANEL	CIRCUIT	FEEDER SIZE/ RACEWAY	NOTES	PLAN SYMBOL
		KW	HP	VOLTAGE	PHASE	FLA	SPEED DRIVE	TYPE	NEMA SIZE	FURNISH BY	INSTALL BY	AUXIL RELAY	LOCATION	TYPE	FURNISH BY	INSTALL BY	SWITCH/ FUSE SIZE	LOCATION	TYPE	FURNISH BY					
AC-1	ELEVATOR SPLIT SYSTEM - INDOOR UNIT FOR HP-3	-	-	208	1	-	-	-	-	-	-	-	NFS	EC	EC	15/NA	NEAR UNIT	-	-	-	LP2	40,42	(2) #12, #12G IN 3/4"C.	-	AC-1
BC-1	HVAC BRANCH CONTROLLER - FIRST FLOOR	-	-	208	1	1.0	-	-	-	-	-	-	NFS	EC	EC	15/NA	NEAR UNIT	-	-	-	LP2	26	(2) #12, #12G IN 3/4"C.	-	BC-1
BC-2	HVAC BRANCH CONTROLLER - SECOND FLOOR	-	-	208	1	1.0	-	-	-	-	-	-	NFS	EC	EC	15/NA	NEAR UNIT	-	-	-	LP2	28	(2) #12, #12G IN 3/4"C.	-	BC-2
EF-1	EXHAUST FAN - MENS 126 / WOMENS 125	-	1/6	120	1	4.4	-	-	-	-	-	-	NFS	MC	EC	15/NA	NEAR UNIT	-	-	-	K1	25	(2) #12, #12G IN 3/4"C.	-	EF-1
EF-2	EXHAUST FAN - RR 212 / RR 213 / JANITOR 214	-	1/6	120	1	4.4	-	-	-	-	-	-	NFS	MC	EC	15/NA	NEAR UNIT	-	-	-	LP2	25	(2) #12, #12G IN 3/4"C.	-	EF-2
EH-1	ELECTRIC HEATER - VESTIBULE 100	3.0	-	208	1	14.4	-	-	-	-	-	-	NFS	MC	EC	20/NA	INTEGRAL	-	-	-	B	25.27	(2) #12, #12G IN 3/4"C.	-	EH-1
EH-2	ELECTRIC HEATER - SW STAIRS 140	3.0	-	208	1	14.4	-	-	-	-	-	-	NFS	MC	EC	20/NA	INTEGRAL	-	-	-	B	26.28	(2) #12, #12G IN 3/4"C.	-	EH-2
EH-3	ELECTRIC HEATER - STAIR EX 151	3.0	-	208	1	14.4	-	-	-	-	-	-	NFS	MC	EC	20/NA	INTEGRAL	-	-	-	B	29.31	(2) #12, #12G IN 3/4"C.	-	EH-3
ELEV	ENCLOSED VERTICAL WHEELCHAIR LIFT	-	-	208	1	8.6	-	-	-	-	-	-	NFS	MC	EC	20/NA	INTEGRAL	-	-	-	LP2	20.22	(2) #12, #12N, #12G IN 1"C.	-	ELEV
HP-1-1	VRF - OUTDOOR UNIT - CONNECTION 1	-	-	208	3	32.8	-	-	-	-	-	-	NFS	EC	EC	60/NA	NEAR UNIT	-	-	-	LP3	1.3,5	(3) #6, #6G IN 1-1/4"C.	-	HP-1-1
HP-1-2	VRF - OUTDOOR UNIT - CONNECTION 2	-	-	208	3	24.8	-	-	-	-	-	-	NFS	EC	EC	60/NA	NEAR UNIT	-	-	-	LP3	7.9,11	(3) #8, #10G IN 1-1/4"C.	-	HP-1-2
HP-2-1	VRF - OUTDOOR UNIT - CONNECTION 1	-	-	208	3	32.8	-	-	-	-	-	-	NFS	EC	EC	60/NA	NEAR UNIT	-	-	-	LP3	2.4,6	(3) #6, #6G IN 1-1/4"C.	-	HP-2-1
HP-2-2	VRF - OUTDOOR UNIT - CONNECTION 2	-	-	208	3	32.8	-	-	-	-	-	-	NFS	EC	EC	60/NA	NEAR UNIT	-	-	-	LP3	8.10,12	(3) #6, #6G IN 1-1/4"C.	-	HP-2-2
HP-3	ELEVATOR SPLIT SYSTEM - OUTDOOR UNIT	-	-	208	1	8	-	-	-	-	-	-	NFS	EC	EC	15/NA	NEAR UNIT	-	-	-	LP2	40,42	(2) #12, #12G IN 3/4"C.	-	HP-3
HWRP-1	HOT WATER RECIRCULATION PUMP	-	-	120	1	-	-	-	-	-	-	-	NFS	MC	EC	15/NA	NEAR UNIT	-	-	-	-	-	-	-	HWRP-1
KF-1	KITCHEN EXHAUST FAN	-	1	208	3	-	-	-	-	-	-	-	NFS	MC	EC	20/NA	NEAR UNIT	-	-	-	LP2	27,29,31	(3) #12, #12G IN 3/4"C.	-	KF-1
MAU-1	MAKEUP AIR UNIT	-	1	208	3	-	-	-	-	-	-	-	NFS	MC	EC	20/NA	NEAR UNIT	-	-	-	LP2	30,32,34	(3) #12, #12G IN 3/4"C.	-	MAU-1
VRF-1.01	VRF - INDOOR UNIT	-	-	208	1	2.4	-	-	-	-	-	-	NFS	EC	EC	15/NA	NEAR UNIT	-	-	-	LP1	1,3	(2) #12, #12G IN 3/4"C.	-	1-01
VRF-1.02	VRF - INDOOR UNIT	-	-	208	1	2.4	-	-	-	-	-	-	NFS	EC	EC	15/NA	NEAR UNIT	-	-	-	LP1	2,4	(2) #12, #12G IN 3/4"C.	-	1-02
VRF-1.03	VRF - INDOOR UNIT	-	-	208	1	2.4	-	-	-	-	-	-	NFS	EC	EC	15/NA	NEAR UNIT	-	-	-	LP1	5,7	(2) #12, #12G IN 3/4"C.	-	1-03
VRF-1.04	VRF - INDOOR UNIT	-	-	208	1	2.4	-	-	-	-	-	-	NFS	EC	EC	15/NA	NEAR UNIT	-	-	-	LP1	6,8	(2) #12, #12G IN 3/4"C.	-	1-04
VRF-1.05	VRF - INDOOR UNIT	-	-	208	1	2.24	-	-	-	-	-	-	NFS	EC	EC	15/NA	NEAR UNIT	-	-	-	LP1	9,11	(2) #12, #12G IN 3/4"C.	-	1-05
VRF-1.06	VRF - INDOOR UNIT	-	-	208	1	2.24	-	-	-	-	-	-	NFS	EC	EC	15/NA	NEAR UNIT	-	-	-	LP1	10,12	(2) #12, #12G IN 3/4"C.	-	1-06
VRF-1.07	VRF - INDOOR UNIT	-	-	208	1	2.24	-	-	-	-	-	-	NFS	EC	EC	15/NA	NEAR UNIT	-	-	-	LP2	33,35	(2) #12, #12G IN 3/4"C.	-	1-07
VRF-1.08	VRF - INDOOR UNIT	-	-	208	1	2.24	-	-	-	-	-	-	NFS	EC	EC	15/NA	NEAR UNIT	-	-	-	LP2	36,38	(2) #12, #12G IN 3/4"C.	-	1-08
VRF-1.09	VRF - INDOOR UNIT	-	-	208	1	2.24	-	-	-	-	-	-	NFS	EC	EC	15/NA	NEAR UNIT	-	-	-	LP2	43,45	(2) #12, #12G IN 3/4"C.	-	1-09
VRF-2.01	VRF - INDOOR UNIT	-	-	208	1	2.24	-	-	-	-	-	-	NFS	EC	EC	15/NA	NEAR UNIT	-	-	-	LP1	13,15	(2) #12, #12G IN 3/4"C.	-	2-01
VRF-2.02	VRF - INDOOR UNIT	-	-	208	1	2.24	-	-	-	-	-	-	NFS	EC	EC	15/NA	NEAR UNIT	-	-	-	LP1	14,16	(2) #12, #12G IN 3/4"C.	-	2-02
VRF-2.03	VRF - INDOOR UNIT	-	-	208	1	2.24	-	-	-	-	-	-	NFS	EC	EC	15/NA	NEAR UNIT	-	-	-	LP1	17,19	(2) #12, #12G IN 3/4"C.	-	2-03
VRF-2.04	VRF - INDOOR UNIT	-	-	208	1	2.4	-	-	-	-	-	-	NFS	EC	EC	15/NA	NEAR UNIT	-	-	-	LP1	18,20	(2) #12, #12G IN 3/4"C.	-	2-04
VRF-2.05	VRF - INDOOR UNIT	-	-	208	1	4.48	-	-	-	-	-	-	NFS	EC	EC	15/NA	NEAR UNIT	-	-	-	LP1	21,23	(2) #12, #12G IN 3/4"C.	-	2-05
VRF-2.06	VRF - INDOOR UNIT	-	-	208	1	2.24	-	-	-	-	-	-	NFS	EC	EC	15/NA	NEAR UNIT	-	-	-	LP1	22,24	(2) #12, #12G IN 3/4"C.	-	2-06
VRF-2.07	VRF - INDOOR UNIT	-	-	208	1	2.24	-	-	-	-	-	-	NFS	EC	EC	15/NA	NEAR UNIT	-	-	-	LP2	37,39	(2) #12, #12G IN 3/4"C.	-	2-07
WH-1	GAS WATER HEATER	-	-	120	1	4	-	-	-	-	-	-	CP	MC	MC	20/NA	NEAR UNIT	-	-	-	K1	2	(2) #12, #12G IN 3/4"C.	-	WH-1
WH-2	ELECTRIC WATER HEATER	3.5	-	120	1	29.2	-	-	-	-	-	-	NFS	EC	EC	60/NA	NEAR UNIT	-	-	-	LP1	19	(2) #8, #10G IN 1"C.	-	WH-2
WH-3	ELECTRIC WATER HEATER	3.5	-	120	1	29.2	-	-	-	-	-	-	NFS	EC	EC	60/NA	NEAR UNIT	-	-	-	LP1	21	(2) #8, #10G IN 1"C.	-	WH-3

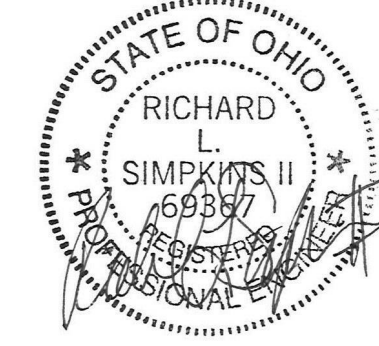
ABBREVIATIONS:  
 CC - CONTROL CONTRACTOR FS - FUSED SWITCH GC - GENERAL CONTRACTOR VC - VENTILATION CONTRACTOR  
 CP - CORD/PLUG FSC - FIRE SUPPRESSION CONTRACTOR HC - HEATING CONTRACTOR TS - THERMOSTAT  
 EC - ELECTRICAL CONTRACTOR FSEC - FOOD SERVICE EQUIP. CONTRACTOR PC - PLUMBING CONTRACTOR NFS - NON FUSED SWITCH  
 ES - EQUIPMENT SUPPLIER FVNR - FULL VOLTAGE NON-REVERSING SC - SPRINKLER CONTRACTOR SW - HORSEPOWER RATED SWITCH

NOTES:  
 1 - XXX

**LIGHTING FIXTURE SCHEDULE**

FIXTURE SYMBOL	FIXTURE VOLTAGE	FIXTURE INPUT WATTS	TEMPERATURE (K)	DELIVERED LUMENS	MANUFACTURER AND MODEL NUMBER	OTHER ACCEPTABLE MANUFACTURER	DIFFUSER MEDIA	CLASSIFICATION	TRIM COLOR						MOUNTING	SIZE (IN.)			NOTES
									WHITE	NICKEL	CHROME	BRUSHED NICKEL	STANDARD	SEE NOTE		DIA	LENGTH	DEPTH	
A1	120	80	3500	10373	LSI #CLR8-11L-46-UNV-CS1-WHT	AS PRE-APPROVED	FROSTED ACRYLIC	N	X						C	8	96	1	1
B1	120	28	3500	3595	COLUMBIA #CBT24-LSCS	AS PRE-APPROVED	FROSTED ACRYLIC	N	X						R	24	48	1.72	1
B2	120	28	3500	3595	COLUMBIA #CBT24-LSCS w/ #SRPSMK24	AS PRE-APPROVED	FROSTED ACRYLIC	N	X						CS	24	48	1.72	1
B4	120	24	3500	3044	COLUMBIA #CBT22-LSCS	AS PRE-APPROVED	FROSTED ACRYLIC	N	X						R	24	24	1.71	1
D1	120	38	4000	5191	COLUMBIA #CSL4-LSCS	AS PRE-APPROVED	FROSTED ACRYLIC	N	X						CS	2.25	48	2.69	1
F1	120	8	3500	851	GREEN CREATIVE #SELECTFIT-6-80-CCTS-DIM010UNV	AS PRE-APPROVED	OPEN	N	X						R	6	DIA	5	1
F3	120	9	3500	620	GREEN CREATIVE #GIMB-2-9-35-FL-DIM120	AS PRE-APPROVED	OPEN	N	X						R	2.5	DIA	1.75	-
J1	120	26	3500	2000	GREEN CREATIVE #PXCYL6/PMLEM/90/35/KDIM010UNV/WD/WH/CC	AS PRE-APPROVED	OPEN	N	X						SM	6	DIA	9.75	1
K1	120	48	4000	6211	COLUMBIA #CBT24-LSCS w/ #SRPSMK24	AS PRE-APPROVED	FROSTED ACRYLIC	N	X						CS	24	48	1.72	1
K2	120	28	4000	3733	COLUMBIA #CBT24-LSCS w/ #SRPSMK24	AS PRE-APPROVED	FROSTED ACRYLIC	N	X						CS	24	48	1.72	1
WP1	120	31	4000	4261	ILP #WPCM-4L-U-40-T4-SP1	AS PRE-APPROVED	CLEAR POLYCARBONATE	N				X			WM	18.25	9.125	13.75	-
X1	-	-	-	-	COMPASS #CCR	AS PRE-APPROVED	EMERGENCY EGRESS	EM	X						UNIVERSAL	19.25	8.125	1.75	-
ER	-	-	-	-	COMPASS #CORS	AS PRE-APPROVED	EMERGENCY EGRESS	EM	X						WM-8-0"	4.5	DIA	6.7	-
EM	-	-	-	-	COMPASS #CU2	AS PRE-APPROVED	EMERGENCY EGRESS	EM	X						WM-8-0"	4	9	2.75	-

NOTES:  
 1. FIXTURE HAS FIELD-SELECTABLE LUMENS AND COLOR TEMPERATURE. CONTRACTOR TO SET AS INDICATED IN FIXTURE SCHEDULE.

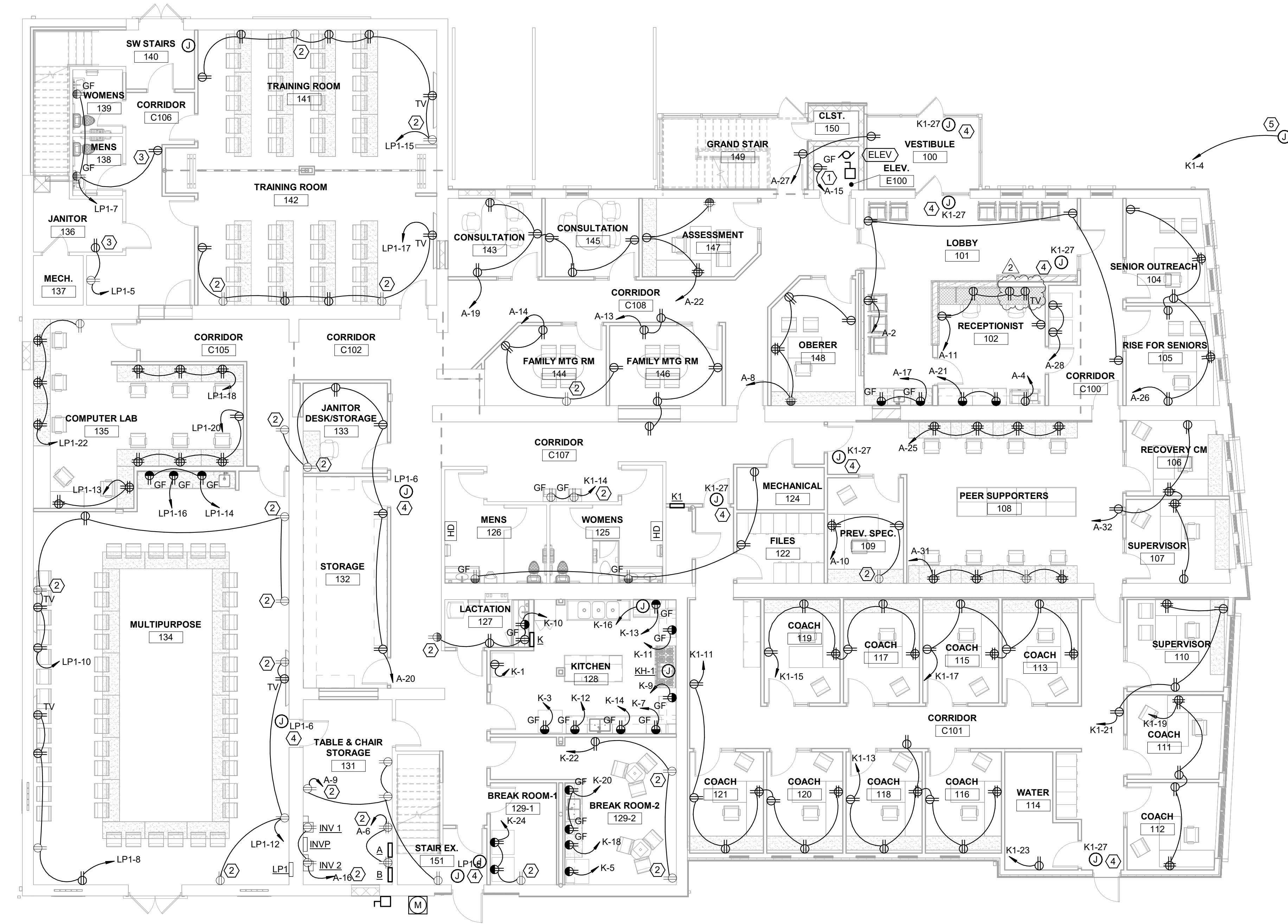


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NO.	DATE	DESCRIPTION
1	12/07/2023	FOR CONSTRUCTION
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DATE	12/07/2023
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- DRAWING NOTES**
1. REFER TO DETAIL #1/E5.0 FOR ELEVATOR HOISTWAY LIGHTING AND RECEPTACLE REQUIREMENTS.
  2. CONNECT EXISTING RECEPTACLE TO CIRCUIT INDICATED. PROVIDE NEW DEVICE.
  3. CONNECT NEW RECEPTACLE TO EXISTING CIRCUIT INDICATED.
  4. PROVIDE CONNECTION TO DOOR ACCESS TRANSFORMER. COORDINATE REQUIREMENTS WITH DOOR ACCESS PROVIDER.
  5. PROVIDE 120V-20A CIRCUIT FOR LIGHTED SIGN. COORDINATE EXACT LOCATION WITH CIVIL DRAWINGS.



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



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West Care - 624 Building**  
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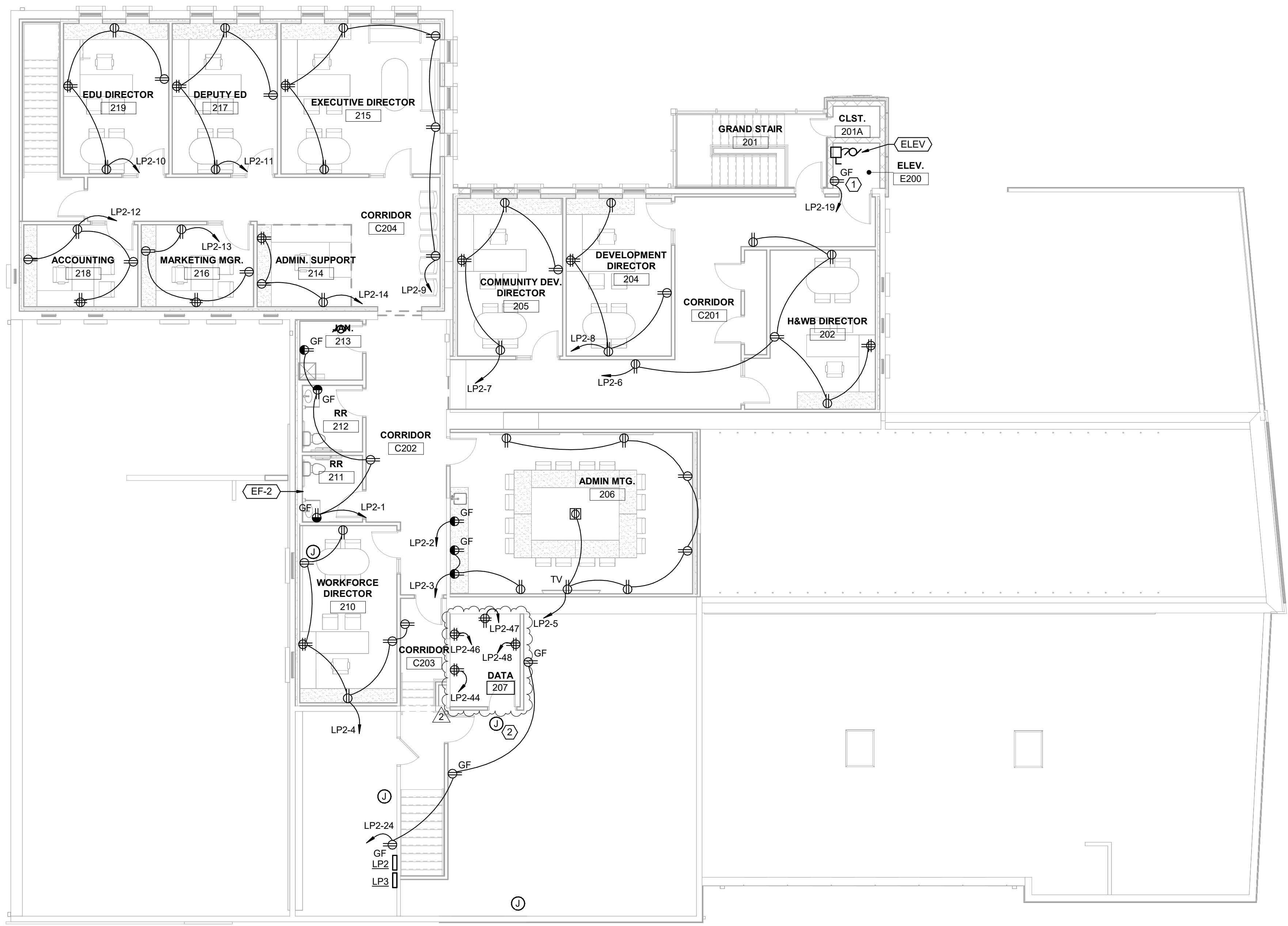
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	12/07/2023	FOR CONSTRUCTION
1	12/22/2023	ADDENDUM 1
2	01/02/2024	ADDENDUM 2

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TITLE	<b>ELECTRICAL POWER PLAN</b>

1 | 2 | 3 | 4 | 5 | 6 | 7

A  
B  
C  
D  
E  
F

- DRAWING NOTES**
- REFER TO DETAIL #1/E5.0 FOR ELEVATOR HOISTWAY LIGHTING AND RECEPTACLE REQUIREMENTS.
  - PROVIDE CONNECTION TO DOOR ACCESS TRANSFORMER. COORDINATE REQUIREMENTS WITH DOOR ACCESS PROVIDER.



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

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TITLE	ELECTRICAL POWER PLAN

SHEET NO.  
**E1.2**

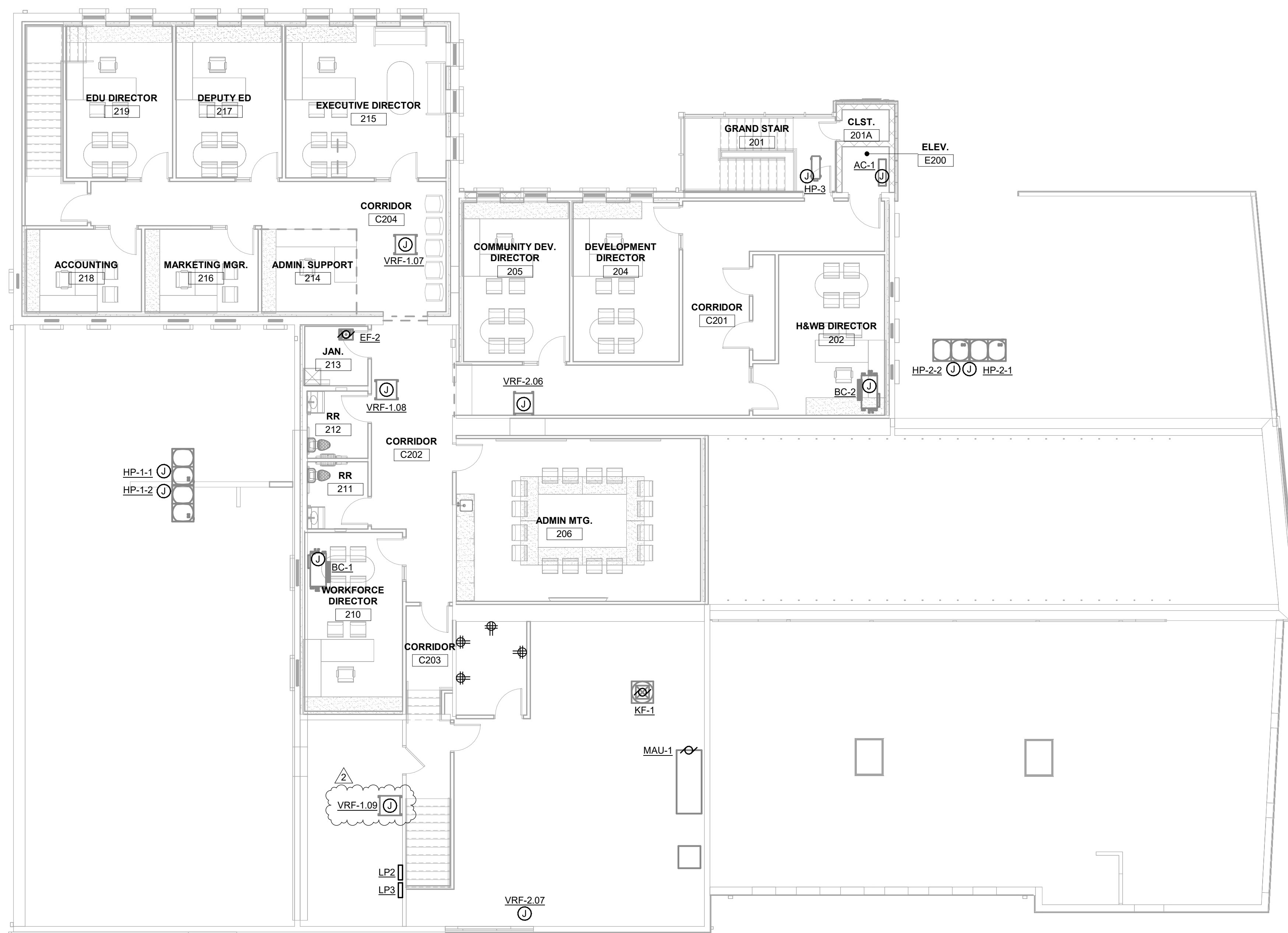
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1 | 2 | 3 | 4 | 5 | 6 | 7



1 | 2 | 3 | 4 | 5 | 6 | 7

A  
B  
C  
D  
E  
F



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



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TITLE  
**ELECTRICAL HVAC  
POWER PLAN**

SHEET NO.  
**E1.4**

1 | 2 | 3 | 4 | 5 | 6 | 7

1 2 3 4 5 6 7

A

B

C

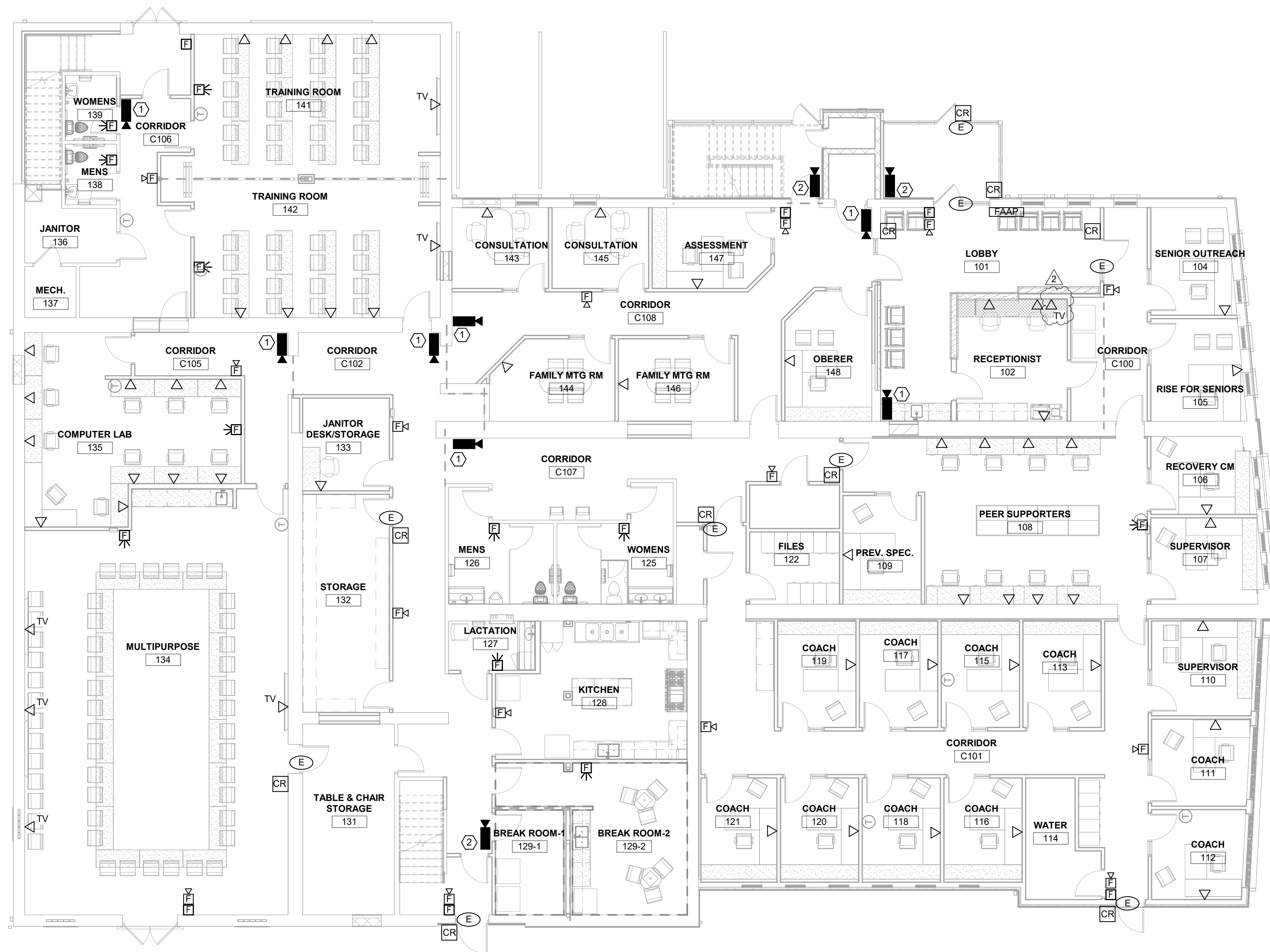
D

E

F

**DRAWING NOTES**

1. CEILING MOUNTED CAMERA INDICATED FOR REFERENCE ONLY. BOX AND CABLE BY CAMERA SYSTEM INSTALLER.
2. PROVIDE BOX AND CONDUIT TO ABOVE ACCESSIBLE CEILING. CAMERA AND CABLING BY CAMERA SYSTEM INSTALLER.



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



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NO.	DATE	DESCRIPTION
	12/07/2023	FOR CONSTRUCTION
1	12/22/2023	ADDENDUM 1
2	01/02/2024	ADDENDUM 2

DATE	12/07/2023
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TITLE	<b>ELECTRICAL SYSTEMS PLAN</b>

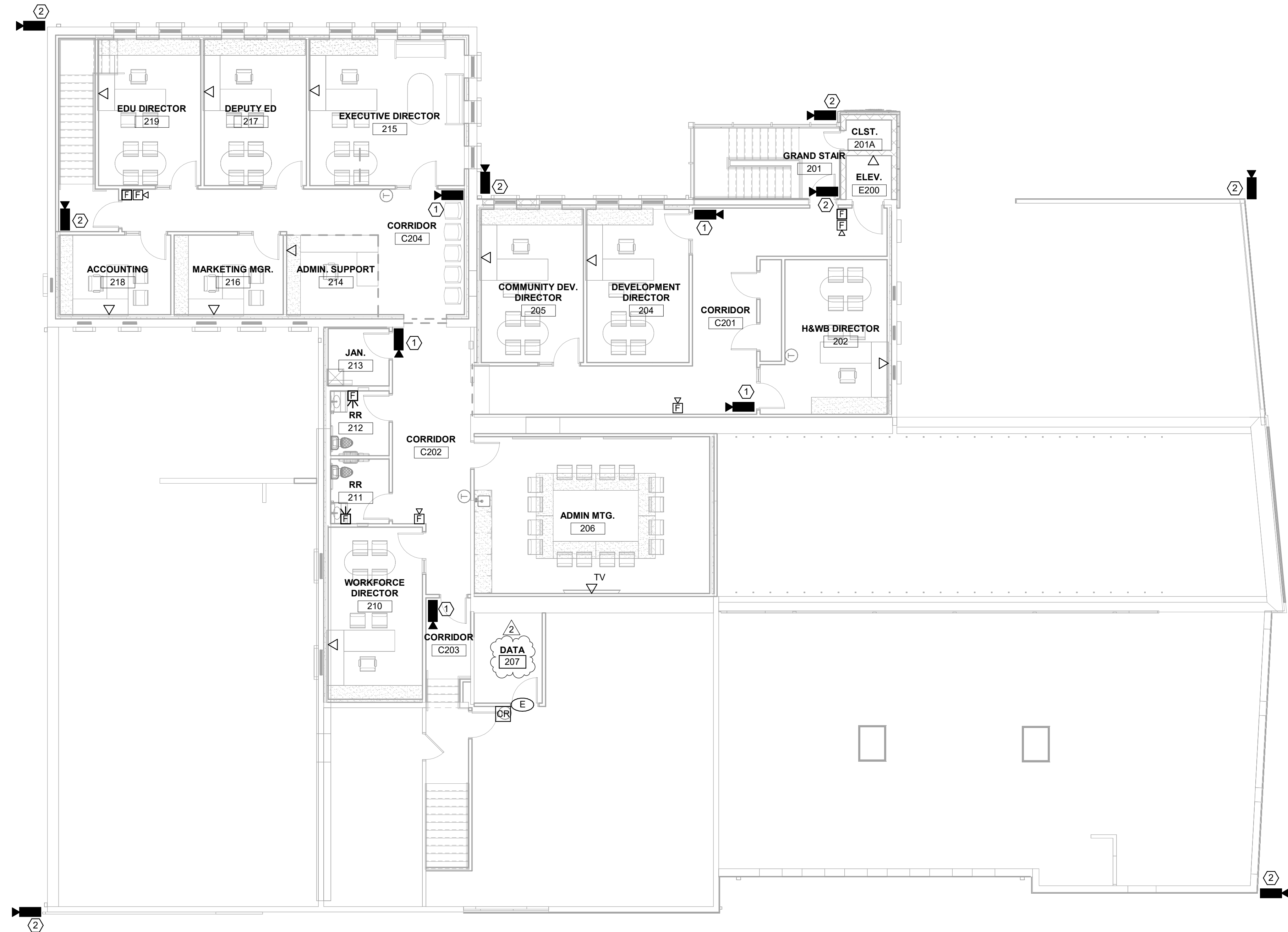
SHEET NO.  
**E3.1**

1 2 3 4 5 6 7

1 | 2 | 3 | 4 | 5 | 6 | 7

A  
B  
C  
D  
E  
F

- DRAWING NOTES**
1. CEILING MOUNTED CAMERA INDICATED FOR REFERENCE ONLY. BOX AND CABLE BY CAMERA SYSTEM INSTALLER.
  2. PROVIDE BOX AND CONDUIT TO ABOVE ACCESSIBLE CEILING. CAMERA AND CABLING BY CAMERA SYSTEM INSTALLER.



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

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TITLE <b>ELECTRICAL SYSTEMS PLAN</b>	

SHEET NO.  
**E3.2**

1 | 2 | 3 | 4 | 5 | 6 | 7

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### Branch Panel: LP1

Location: MULTIPURPOSE 134  
Supply From: B  
Mounting: Recessed  
Enclosure:

Volts: 120/208 Single  
Phases: 1  
Wires: 3

A.I.C. Rating:  
Mains Type: MLO  
Mains Rating: 100 A  
MCB Rating: 0 A

Notes: EXISTING

CKT	Circuit Description	Trip	Poles	B		C		Poles	Trip	Circuit Description	CKT
1	SPARE	20 A	2	0	0			2	50 A	SPARE	2
3	--	--	--			0	0	--	--	--	4
5	RCPT (EXISTING)	20 A	1	360	540			1	20 A	DOOR ACCESS	6
7	RCPT - RESTROOMS	20 A	1			360	720	1	20 A	RCPT - MULTIPURPOSE	8
9	LTG - MULTIPURPOSE / COMPUTER LAB	20 A	1	780	1080			1	20 A	RCPT - MULTIPURPOSE	10
11	LTG - TRAINING ROOM 141	20 A	1			748	720	1	20 A	RCPT - MULTIPURPOSE	12
13	RCPT - COMPUTER LAB	20 A	1	360	360			1	20 A	RCPT - MULTIPURPOSE COUNTER	14
15	RCPT - TRAINING ROOM	20 A	1			1260	180	1	20 A	RCPT - MULTIPURPOSE COUNTER	16
17	RCPT - TRAINING ROOM	20 A	1	1080	540			1	20 A	RCPT - COMPUTER LAB	18
19	WH-2	40 A	1			3500	720	1	20 A	RCPT - COMPUTER LAB	20
21	WH-3	40 A	1	3500	720			1	20 A	RCPT - COMPUTER LAB	22
23	SPACE	--	1	--	--	--	--	1	--	SPACE	24
25	SPACE	--	1	--	--	--	--	1	--	SPACE	26
27	SPACE	--	1	--	--	--	--	1	--	SPACE	28
29	SPACE	--	1	--	--	--	--	1	--	SPACE	30
31	SPACE	--	1	--	--	--	--	1	--	SPACE	32
33	SPACE	--	1	--	--	--	--	1	--	SPACE	34
35	SPACE	--	1	--	--	--	--	1	--	SPACE	36
37	SPACE	--	1	--	--	--	--	1	--	SPACE	38
39	SPACE	--	1	--	--	--	--	1	--	SPACE	40
41	SPACE	--	1	--	--	--	--	1	--	SPACE	42
<b>Total Load:</b>				9320 VA		8208 VA					
<b>Total Amps:</b>				88 A		79 A					

**Legend:**

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
HVAC	7000 VA	100.00%	7000 VA	
Other	0 VA	0.00%	0 VA	<b>Total Conn. Load:</b> 17528 VA
Receptacle	9000 VA	100.00%	9000 VA	<b>Total Est. Demand:</b> 17528 VA
Lighting	1528 VA	100.00%	1528 VA	<b>Total Conn.:</b> 84 A
				<b>Total Est. Demand:</b> 84 A

Notes:

### Branch Panel: LP2

Location: SOLAR/MECH 209  
Supply From: A  
Mounting: Surface  
Enclosure:

Volts: 120/208 Wye  
Phases: 3  
Wires: 4

A.I.C. Rating:  
Mains Type: MLO  
Mains Rating: 200 A  
MCB Rating: 0 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	RCPT - RESTROOMS / JANITOR	20 A	1	720	180					1	20 A	RCPT - ADMIN MTG. COUNTER	2
3	RCPT - ADMIN MTG. COUNTER	20 A	1			540	1260			1	20 A	RCPT - WORKFORCE DIRECTOR	4
5	RCPT - ADMIN MTG.	20 A	1					1080	1260	1	20 A	RCPT - H&WB DIRECTOR / CORRIDOR	6
7	RCPT - COMMUNITY DEV DIRECTOR	20 A	1	900	900					1	20 A	RCPT - DEVELOPMENT DIRECTOR	8
9	RCPT - EXECUTIVE DIRECTOR / CORRIDOR	20 A	1			1260	900			1	20 A	RCPT - EDU DIRECTOR	10
11	RCPT - DEPUTY ED	20 A	1					900	900	1	20 A	RCPT - ACCOUNTING	12
13	RCPT - MARKETING MGR.	20 A	1	900	720					1	20 A	RCPT - ADMIN SUPPORT	14
15	LTG - CORRIDORS	20 A	1			768	1048			1	20 A	LTG - ADMIN MTG. / RESTROOMS	16
17	LTG - EDU DIRECTOR 219	20 A	1					700	279	1	20 A	LTG - WALLPACKS	18
19	RCPT - ELEVATOR SHAFT	20 A	1	180	894					2	20 A	ELEVATOR	20
21	LTG - ELEVATOR SHAFT	20 A	1			0	894			--	--	--	22
23	LTG - ELEVATOR CAB DISCONNECT	20 A	1					0	540	1	20 A	RCPT - PANELS / STORAGE	24
25	EF-2	20 A	1	528	120					1	15 A	BC-1	26
27	KF-1	20 A	3			480	120			1	15 A	BC-2	28
29	--	--	--	--	--	--	--	480	480	3	20 A	MAU-1	30
31	--	--	--	480	480					--	--	--	32
33	VRF 1.07	15 A	2			233	480			2	15 A	VRF 2.06	34
35	--	--	--	--	--	--	--	233	233	2	15 A	--	36
37	VRF 1.08	15 A	2	233	233					--	--	--	38
39	--	--	--	--	--	233	832			2	15 A	HP-3 / AC-1	40
41	DOOR ACCESS	20 A	1					180	832			--	42
43	VRF 1.09	15 A	2	233	360					1	20 A	RCPT - DATA 207	44
45	--	--	--	--	--	233	360			1	20 A	RCPT - DATA 207	46
47	RCPT - DATA 207	20 A	1					360	360	1	20 A	RCPT - DATA 207	48
49	SPARE	20 A	1							1	20 A	SPARE	50
51	SPARE	20 A	1			0	0			1	20 A	SPARE	52
53	SPARE	20 A	1					0	0	1	20 A	SPARE	54
<b>Total Load:</b>				8061 VA		9641 VA		8817 VA					
<b>Total Amps:</b>				67 A		81 A		74 A					

**Legend:**

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Elevator	1789 VA	100.00%	1789 VA	
HVAC	4292 VA	100.00%	4292 VA	<b>Total Conn. Load:</b> 26518 VA
Kitchen Equipment - Non-Dwelling Unit	2882 VA	100.00%	2882 VA	<b>Total Est. Demand:</b> 24138 VA
Motor	0 VA	0.00%	0 VA	<b>Total Conn.:</b> 74 A
Other	0 VA	0.00%	0 VA	<b>Total Est. Demand:</b> 67 A
Receptacle	14760 VA	83.88%	12380 VA	
Lighting	2795 VA	100.00%	2795 VA	

Notes:

### Branch Panel: K

Location: KITCHEN 128  
Supply From: A  
Mounting: Recessed  
Enclosure:

Volts: 120/208 Single  
Phases: 1  
Wires: 3

A.I.C. Rating:  
Mains Type: MLO  
Mains Rating: 225 A  
MCB Rating: 0 A

Notes: EXISTING RELOCATED

CKT	Circuit Description	Trip	Poles	A		C		Poles	Trip	Circuit Description	CKT
1	RCPT - REFRIGERATOR	15 A	1	180	352			1	20 A	LTG - KITCHEN 128	2
3	RCPT - REFRIGERATOR	15 A	1			180	0	1	20 A	SPARE	4
5	RCPT - REFRIGERATOR	15 A	1	180	0			2	30 A	SPARE	6
7	RCPT - KITCHEN COUNTER	20 A	1			180	0	--	--	--	8
9	RCPT - KITCHEN COUNTER	20 A	1	180	720			1	20 A	RCPT - LACTATION	10
11	RCPT - KITCHEN COUNTER	20 A	1			180	180	1	20 A	RCPT - KITCHEN COUNTER	12
13	RCPT - KITCHEN COUNTER	20 A	1	180	180			1	20 A	RCPT - KITCHEN COUNTER	14
15	SPARE	20 A	1			0	1500	1	20 A	DISHWASHER	16
17	SPARE	20 A	1	0	180			1	20 A	RCPT - BREAK ROOM COUNTER	18
19	SPARE	20 A	1			0	180	1	20 A	RCPT - BREAK ROOM COUNTER	20
21	SPARE	20 A	1	0	540			1	20 A	RCPT - BREAK ROOM	22
23	SPARE	20 A	1			0	540	1	20 A	RCPT - FOOD PANTRY REFRIGERATORS	24
25	SPARE	60 A	2	0	180			1	20 A	KH-1	26
27	--	--	--	--	--	0	0	1	20 A	SPARE	28
29	SHUNT TRIP SPACE (EXISTING)	--	1	--	--	--	--	1	--	SPACE	30
31	SPARE	100 A	2			0	--	1	--	SPACE	32
33	--	--	--	0	--	--	--	1	--	SPACE	34
35	SPACE	--	1	--	--	--	--	1	--	SPACE	36
37	SPACE	--	1	--	--	--	--	1	--	SPACE	38
39	SPACE	--	1	--	--	--	--	1	--	SPACE	40
41	SPACE	--	1	--	--	--	--	1	--	SPACE	42
<b>Total Load:</b>				2872 VA		2940 VA					
<b>Total Amps:</b>				28 A		28 A					

**Legend:**

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Kitchen Equipment - Non-Dwelling Unit	3120 VA	65.00%	2028 VA	
Other	0 VA	0.00%	0 VA	<b>Total Conn. Load:</b> 5812 VA
Receptacle	2340 VA	100.00%	2340 VA	<b>Total Est. Demand:</b> 4720 VA
Lighting	352 VA	100.00%	352 VA	<b>Total Conn.:</b> 28 A
				<b>Total Est. Demand:</b> 23 A

Notes:

### Branch Panel: K1

Location: CORRIDOR C107  
Supply From: A  
Mounting: Recessed  
Enclosure:

Volts: 120/208 Single  
Phases: 1  
Wires: 3

A.I.C. Rating:  
Mains Type: K1  
Mains Rating: 225 A  
MCB Rating: 0 A

Notes:

CKT	Circuit Description	Trip	Poles	B		C		Poles	Trip	Circuit Description	CKT
1	LTG - OFFICES / CORRIDOR	20 A	1	948	480			1	20 A	WH-1	2
3	LTG - MECH / OFFICES / LOBBY	20 A	1			876	180	1	20 A	EXTERIOR SIGN	4
5	LTG - ELEVATOR PIT	20 A	1	0	0			2	50 A	SPARE	6
7	LTG - STORAGE / CORRIDOR / RR'S	20 A	1			1188	0	--	--	--	8
9	RCPT - RESTROOMS / FILES / MECH	20 A	1	720	1500			1	20 A	HAND DRYER WOMENS (EXISTING)	10
11	RCPT - COACH / CORRIDOR	20 A	1			1260	1500	1	20 A	HAND DRYER MENS (EXISTING)	12
13	RCPT - COACH / CORRIDOR	20 A	1	1260	360			1	20 A	RCPT - WATER COOLERS (EXISTING)	14
15	RCPT - COACH	20 A	1			1080	0	1	20 A	SPARE	16
17	RCPT - COACH	20 A	1	1080	0			1	20 A	SPARE	18
19	RCPT - COACH	20 A	1			720	--	1	--	SPACE	20
21	RCPT - COACH / CORRIDOR	20 A	1	720	--			1	--	SPACE	22
23	RCPT - WATER	20 A	1			180	--	1	--	SPACE	24
25	EF-1	20 A	1	528	--			1	--	SPACE	26
27	DOOR ACCESS	20 A	1			1080	--	1	--	SPACE	28
29	SPACE	--	1	--	--	--	--	1	--	SPACE	30
<b>Total Load:</b>				7596 VA		8064 VA					
<b>Total Amps:</b>				73 A		77 A					

**Legend:**

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Equipment	3000 VA	100.00%	3000 VA	
HVAC	1008 VA	100.00%	1008 VA	<b>Total Conn. Load:</b> 15660 VA
Other	0 VA	0.00%	0 VA	<b>Total Est. Demand:</b> 15660 VA
Receptacle	8640 VA	100.00%	8640 VA	<b>Total Conn.:</b> 75 A
Lighting	3012 VA	100.00%	3012 VA	<b>Total Est. Demand:</b> 75 A

Notes:

**APP Architecture**  
 creative focused design  
 615 Woodside Drive, Englewood, Ohio 45322  
 T 937.836.8898 F 937.832.3696  
 www.app-arch.com



Building Renovation and Addition  
**East End Community Services**  
**West Care - 624 Building**  
 624 Xenia Avenue, Dayton, Ohio 45410

NO.	DATE	DESCRIPTION
1	12/07/2023	FOR CONSTRUCTION
2	01/02/2024	ADDENDUM 2

DATE	12/07/2023
JOB NO.	2023115
DRAWN	ATD
CHECKED	RLS
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TITLE	
<b>PANELBOARD SCHEDULES</b>	
SHEET NO.	
<b>E4.2</b>	

A

B

C

D

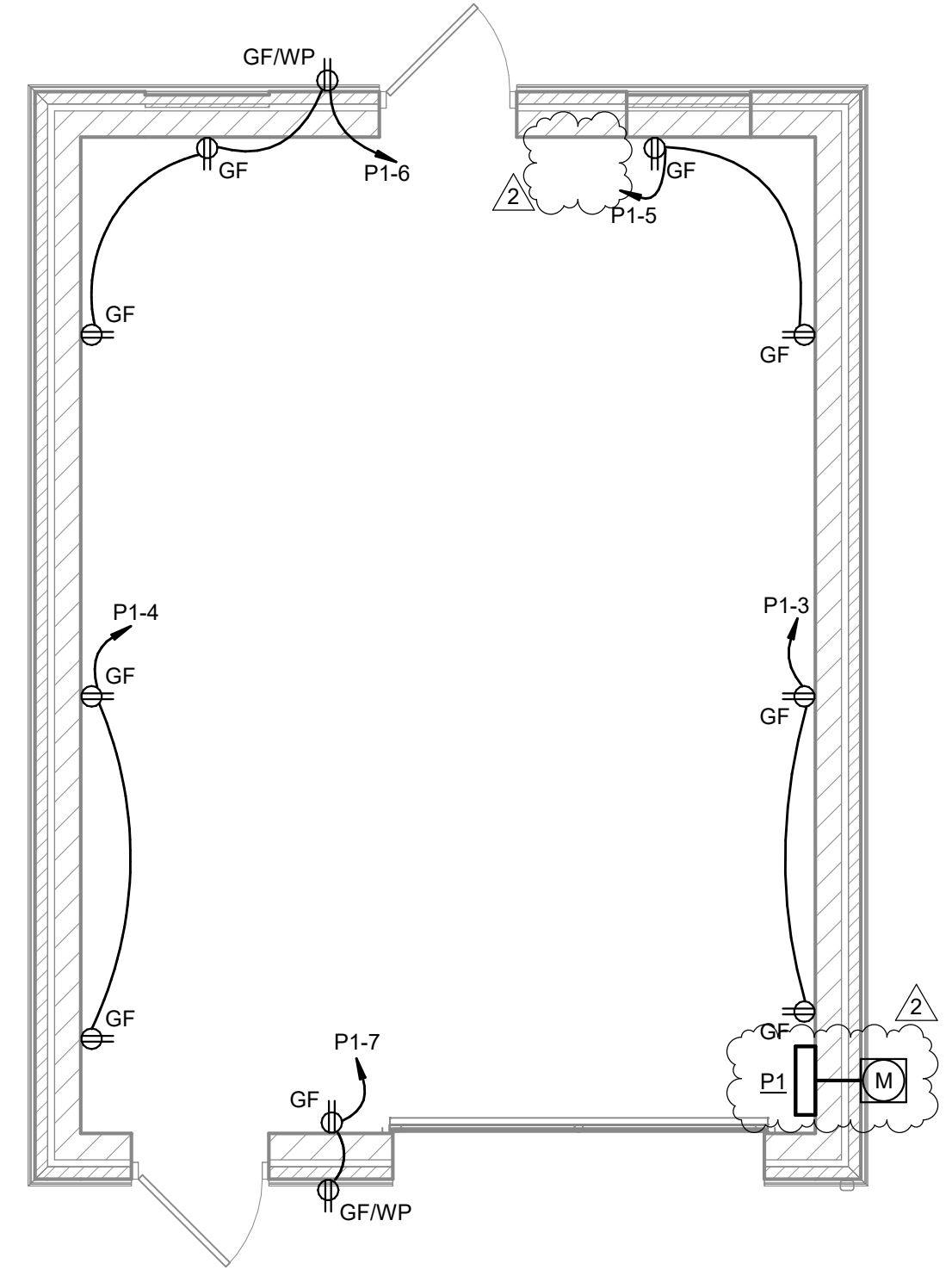
E

F

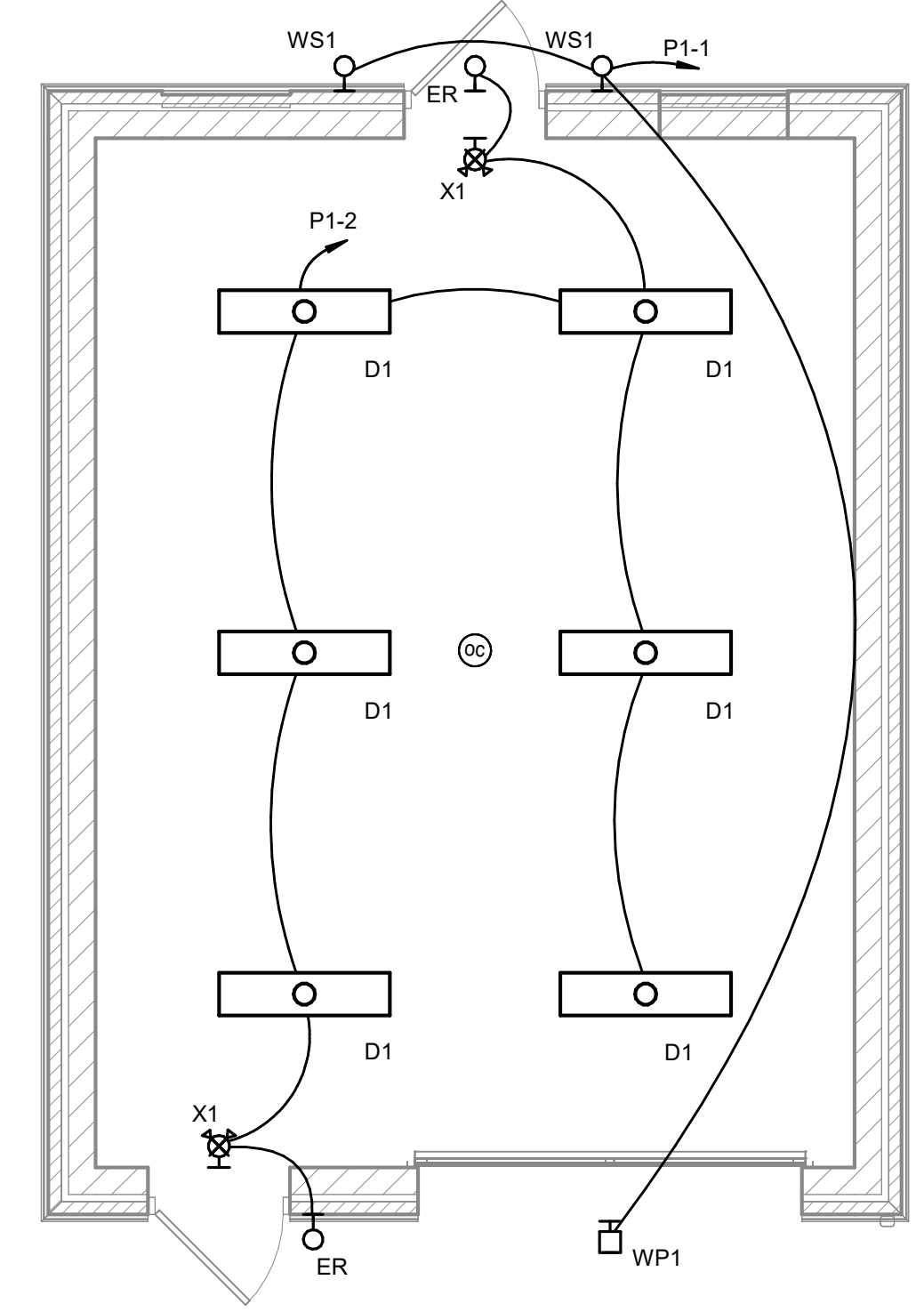
- DRAWING NOTES**
- DISCONNECT AND REMOVE ELECTRIC HAND DRYER. RETAIN CIRCUIT AND HAND DRYER FOR RELOCATION. REFER TO NEW WORK PLANS.
  - EXTEND EXISTING HAND DRYER CIRCUIT TO NEW LOCATION. PROVIDE NEW BOX AND INSTALL EXISTING HAND DRYER.

LIGHTING FIXTURE SCHEDULE																			
FIXTURE SYMBOL	FIXTURE VOLTAGE	FIXTURE INPUT WATTS	TEMPERATURE (K)	DELIVERED LUMENS	MANUFACTURER AND MODEL NUMBER	OTHER ACCEPTABLE MANUFACTURER	DIFFUSER MEDIA	CLASSIFICATION	TRIM COLOR						MOUNTING	SIZE (IN.)			NOTES
									WHITE	NICKEL	CHROME	BRUSHED NICKEL	STANDARD	SEE NOTE		DIAMETER OR WIDTH	LENGTH	DEPTH	
D1	120	36	4000	4950	COLUMBIA #CSL4-A-LSCS	AS PRE-APPROVED	FROSTED ACRYLIC	N	X						SM	2.4	48	2.4	2
WP1	120	31	4000	4300	ILP #WPCS-4L-U-40-Tx-SP1-EM5-PCU	AS PRE-APPROVED	CLEAR PLYOCARBONATE	N/EM				1			WM	14.25	9.125	11.375	-
WS1	120	9	3000	479	PROGRESS #P5623-2030K9	AS PRE-APPROVED	OPEN	N				1			WM	12	10.5	13.25	-
X1	-	-	-	-	COMPASS #CCR	AS PRE-APPROVED	EMERGENCY EGRESS	EM	X						UNIVERSAL	19.25	8.125	1.75	-
ER	-	-	-	-	COMPASS #CORS	AS PRE-APPROVED	EMERGENCY EGRESS	EM	X						WM-8'-0"	4.5	DIA	6.7	-
CU2	-	-	-	-	COMPASS #CU2	AS PRE-APPROVED	EMERGENCY EGRESS	EM	X						WM-8'-0"	4	9	2.75	-

NOTES:  
 1. BRONZE  
 2. FIELD SELECTABLE COLOR TEMPERATURE AND LUMEN PACKAGE TO BE SET BY EC DURING INSTALLATION.



① FIRST FLOOR POWER PLAN - NEW WORK  
 1/4" = 1'-0"



② FIRST FLOOR LIGHTING PLAN - NEW WORK  
 1/4" = 1'-0"



ISSUE		
NO.	DATE	DESCRIPTION
1	12/07/2023	FOR CONSTRUCTION
2	01/02/2024	ADDENDUM 2

DATE	12/07/2023
JOB NO.	2023115
DRAWN	ATD
CHECKED	RLS
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TITLE	<b>ELECTRICAL PLANS</b>



SUBSTITUTION REQUEST FORM

**DATE:** 12/26/2023

615 Woodside Drive, Englewood, Ohio 45322  
T 937.836.8898 F 937.832.3696

**REQUEST NO.:** \_\_\_\_\_

[www.app-arch.com](http://www.app-arch.com)

**PROJECT:** EAST END COMMUNITY SERVICES  
614, 624 & 702 BUILDING RENOVATIONS AND ADDITIONS

**PROPOSED SUBSTITUTION:** Section 12 24 13 - Roller Window Shades. Request to add Draper NEXD Manual Roller Window Shades as an approved Additional Manufacturer.

**REQUEST AUTHOR:** Greg Snider **REQUIRED REPLY DATE:** 01/10/2024

**REPLY:** Draper NEXD manual roller window shades are approved as an acceptable manufacturer.

**REPLY AUTHOR:**  **REPLY DATE:** 12/26/2023

**ATTACHMENTS:** Draper NEXD Catalog Page, Submittal Information, Hardware Color Options, Fabric Color Options, Care & Maintenance Instructions, and Warranty Information.

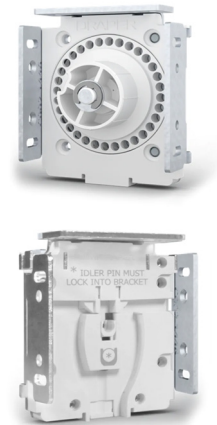
**ACTION REQUIRED:** Approval or Rejection.

**DISTRIBUTION:** This will be included in Addendum 2.

END OF SECTION 01 2500

# MANUAL Clutch-Operated FlexShade® NEXD

READY FOR INSTALLATION



Residential Installation. Installer: Lakeview Shade & Screen, Richmond, IN.  
Product: FlexShade NEXD. Fabric: Mermet Deco 3% in Tumbleweed and Flagstone colors.

- Easy to use and operate, the Clutch-Operated FlexShade® NEXD window shade offers a stylish way to change the look of indoor spaces without the use of automation. NEXD provides light control with a bead chain clutch. A height-adjustable idler bracket is included for fine leveling adjustment after installation. Various surface or recessed mounting options are available for your indoor application. Choose from solar, decorative, or privacy fabrics. With its hassle-free, maintenance-free clutch, and fine leveling adjustments, the Clutch-Operated FlexShade NEXD offers a long-lasting solution for residential, commercial, healthcare, institutional, and educational settings.

## FEATURES

- Comes with mounting endcaps (standard). Optional fascia with endcaps, surface mounted headbox, or pocket mounted headbox available. Type D Pocket available as an accessory.
- Clutch available in white (standard) or black. Clutch has a single groove for easy alignment of the roller with the idler endcap.
- Steel mounting endcap with integrated NEXD Clutch.
- Height-adjustable idler endcap for fine leveling adjustments after installation.
- Pre-drilled jamb mounting holes.
- Clutch-operated products can be ANSI/WCMA A100.1 compliant for areas where small children are present.
- Product designed for interior use.

## OPTIONS

- Optional dual rollers available upon request.
- Hardware finish choices: clear anodized (standard), black, white, ivory, or charcoal bronze. Custom powder coat colors available.
- Stainless steel bead chain (standard). Polyester chain available in white, black, brown, grey, or ivory at no extra charge. Bead chain clutch operator mounted right- (standard) or left-hand operation.
- Adhesive attachment available upon request in place of spline attachment (standard).

## SIZES

- Maximum width for product exceeds 144" (366 cm), depending on fabric selection.
- Available in 3 hardware sizes: slim, small, and large. Where slim and small are available in the same size, small will be the default choice. The slim version offers a fully assembled cassette-style system with a 3 3/8" (86 mm) profile.

## FABRIC OPTIONS

[draperinc.com/windowshades/fabricoptions.aspx](http://draperinc.com/windowshades/fabricoptions.aspx)

## WARRANTY

[draperinc.com/warranty.aspx](http://draperinc.com/warranty.aspx)

## SUPPORTING DOCUMENTS

All instructions, technical drawings and other supporting documents are located at: [draperinc.com/documents.aspx](http://draperinc.com/documents.aspx)

For more information on this product visit:  
[draperinc.com/windowshades/manualshades.aspx](http://draperinc.com/windowshades/manualshades.aspx)

# Clutch-Operated FlexShade® NEXD, Small and Large Hardware

Next generation premium manually-operated shade

Please check all appropriate selections and attach room schedule with verified dimensions.

## FLEXSHADE NEXD

Fabric Series: \_\_\_\_\_

Color Name / Number: \_\_\_\_\_

Openness Factor: \_\_\_\_\_

Please see [Shade Fabric Reference Guide](#) on the Draper® website for fabric colors and specifications.

**Select Clutch Location:** (As seen from INSIDE the room facing the window. Also indicate on room schedule.)

- Right (standard)     Left

**Select Clutch Color:**

- White (standard)     Black

**Optional Spring Assist**

- Spring Assist per manufacturer's standards (as required based on fabric weight)  
 Spring Assist on all units (minimum shade width 48" (122cm))  
 Spring Assist as indicated on room schedule

**Select Bead Chain Type:**

- Steel Chain  
 Stainless Steel (standard)     Black Steel     White Steel  
 Polyester Chain  
 Black     Bronze     White  
 Ivory     Grey

**Select Cord Tension Device:**

- 'P'-Clip Cord Tension Device (standard)  
 Spring-Loaded Chain Tension Device (Optional, but required for ANSI/WCMA A100.1 Compliance)

**Select Fabric Orientation:**

- Regular Roll (from BACK of roller - standard)  
 Reverse Roll (from FRONT of roller - not compatible with Fascia)

**Select Fabric Attachment:**

- Spline Attachment (standard)  
 LSE adhesive (available upon request for a price deduction.)

**Select Hem Bar Style:**

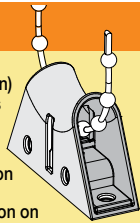
- Closed Pocket - 1" (25mm) Elliptical Slat (standard)  
 Open Pocket - 1" (25mm) Elliptical Slat  
 Small Rectangular Exposed Hem Bar - 7/8" x 5/16" (22mm x 8mm)  
 Large Rectangular Exposed Hem Bar - 1 1/2" x 5/16" (38mm x 8mm)  
 Round Exposed Hem Bar - 3/4" (19mm) diameter

### Child Safety Information

ANSI/WCMA A100.1-2018 standard (developed by the Window Coverings Manufacturer's Association and the Consumer Product Safety Commission) was established on December 15, 2018, to eliminate strangulation hazards for small children from hanging cords and chain loops.

When dealers specify that custom shades comply with ANSI/WCMA A100.1-2018, Draper® provides a pre-installed Spring-Loaded Chain Tension Device (shown at right) for clutch-operated units. When properly installed, tension device prevents creation of a hazardous loop by maintaining tension on bead chain. If not installed properly, shade is partially inoperable.

For more information, please see ANSI/WCMA A100.1-2018 compliance page: [www.draperinc.com/windowshades/wcma-compliance.aspx](http://www.draperinc.com/windowshades/wcma-compliance.aspx)



Draper, Inc. | 411 S. Pearl St. Spiceland, IN 47385  
 draperinc.com | 765.987.7999 | 800.238.7999

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# SUBMITTAL

## TECHNICAL INFO

### Select Hardware

- Endcaps Only  
 Wall / Ceiling Mount  
 Endcaps with Fascia  
 Wall / Ceiling Mount  
 Headbox

**PLEASE NOTE:** The Pocket-Style Headbox is not designed for pre-installation, as the shade must be installed at the same time as the headbox. If a headbox needs to be pre-installed, Draper recommends using the Type D Pocket Headbox.

- Ceiling / Wall (Surface Headbox)     Pocket Style  
 Type "D" Pocket with Tile Lip (White only)  
 Custom Headbox  
 Wall Clip  
 With Ceiling Tile Lip     Without Ceiling Tile Lip  
 Closure Panel for Type "D" Pocket or Wall Clip  
 1 1/2" (38 mm) (recommended)     3" (76 mm)     5" (127 mm)

### Select Optional Side Channels for Light Gap Reduction:

(May not be compatible with all types of installations)

- Aluminum "L" Angle     Vinyl "L" Angle  
 Aluminum "U" Channel     Channel Liners  
 Aluminum "H" Channel

### Select Hardware Finish (Does not apply to Type "D" Headbox):

- Clear Anodized (standard)     Ivory     Black  
 Bronze     White     Custom (Contact Draper)

### Available Sizes:

WIDTH:	2'	3'	4'	5'	6'	7'	8'	9'	10'	11'	12'	13'	14'	15'
HEIGHT														
2'														
3'														
4'														
5'														
6'														
7'														
8'														
9'														
10'														
11'														
12'														
13'														
14'														
15'														

\* Sizes requiring large endcaps/brackets will vary according to fabric.

- Default small (slim available)  
 Small endcaps/brackets and 1 1/8" (40mm) roller are recommended.  
 Large endcaps/brackets and 3" (76mm) roller may be required.

PROJECT: \_\_\_\_\_

ARCHITECT: \_\_\_\_\_

CONTRACTOR: \_\_\_\_\_

SUPPLIER: \_\_\_\_\_

DATE: \_\_\_\_\_ REVISED: \_\_\_\_\_



## Specifications

### EQUIPMENT

**NEXD CLUTCH OPERATOR:** Delrin® POM thermoplastic with swaged .354" (9 mm) primary steel post with rotational bearing to ensure smooth and quiet operation. Overrunning design. Positive mechanical engagement of drive mechanism to tube. White (standard) or black color options. Stainless steel bead chain (standard). Ivory, grey, black, white, and brown polyester chain available.

**OPTIONAL SPRING-ASSIST IDLER:** Adjustment-free system includes spring-assist components to reduce lifting forces required to raise the shade. Manufacturer shall provide estimated torque for shade unit. Spring-assist is recommended on estimated non-spring-assist torque above 6 lb-in; required on shades with an estimated torque higher than 15 lb-in.

**ROLLERS:** Extruded aluminum 1 1/8", 2.36", or 3.12" (40, 60, or 79mm) diameter roller tube as appropriate for shade.

### COMPONENTS

**ENDCAPS:** 1018 steel stamping. Two sizes available: SMALL: 3 7/8" x 3 3/8" (98 x 86 mm), LARGE: 4 3/4" x 4 5/8" (117 x 117 mm). Installs to face, ceiling, or jamb. Field convertible between wall left, wall right, or ceiling mount. Idler endcaps to have leveling adjustment.

**ENDCAP COVERS:** Plastic covers push into endcaps for positive engagement. Available in ivory, bronze, black, silver, or white to match fascia.

**HEM BAR:** CLOSED POCKET ELLIPTICAL SLAT: 1" (25mm) aluminum elliptical slat inside of a 1 5/8" (41mm) pocket with heat sealed ends. OPEN POCKET ELLIPTICAL SLAT: 1" (25mm) aluminum elliptical slat with plastic ends inside of a 1 3/4" (41mm) pocket. FLAT EXPOSED HEM BAR: SMALL: 7/8" x 3/8" (22mm x 8mm) and LARGE: 1 1/2" x 3/8" (38mm x 8mm) aluminum rectangular hem bar with plastic endcaps. Powder coated in black, bronze, ivory, white, or clear anodized.

**FABRIC ATTACHMENT:** Spline fabric attachment (standard) allows removal of fabric panel without removal of roller assembly. LSE adhesive fabric attachment available upon request.

**FASCIA:** L-shaped cover of 6063-T5 extruded aluminum. Fascia snaps into place using no exposed fasteners. Clear anodized finish (standard) or available in ivory, bronze, black, or white powder coat.

**SURFACE HEADBOX:** Consists of fascia, "L" shaped back/top cover. Endcaps slide into extrusion without exposed fasteners.

**POCKET HEADBOX:** For pocket installation, includes a "U" shaped back/top/front cover with removable bottom closure panel.

Small Size: 3 7/8" x 3 15/16" (87 x 100 mm)  
Large Size: 4 1/4" x 4 1/4" (119 x 119 mm). Some exposed fasteners required.

**TYPE "D" POCKET:** Type "D" Shade Pocket, extruded aluminum, for perimeter installation. Accepts FlexShade® installed with endcaps. Finished in white paint. 5" x 5 3/4" x .125" (127 x 137 x 3 mm) with 7/8" (22 mm) tile support lip & removable bottom closure.

**LIGHT GAP REDUCTION HARDWARE:** Extruded aluminum. Accepts edges of fabric, prevents light gaps. Interior of channel provides for use of flat head screws. Available with or without lining.

"L" ANGLE: 3/4" x 1" x 12'3" (1.9x2.5x373cm); 1" x 2 3/4" x 16' (2.5x7x488cm) or cut to length.

"U" CHANNEL: 1" x 2 1/2" x 16' (2.5x6.4x488cm) or cut to length.

"H" CHANNEL: 1" x 5" x 16' (2.5x12.7x488cm) or cut to length.

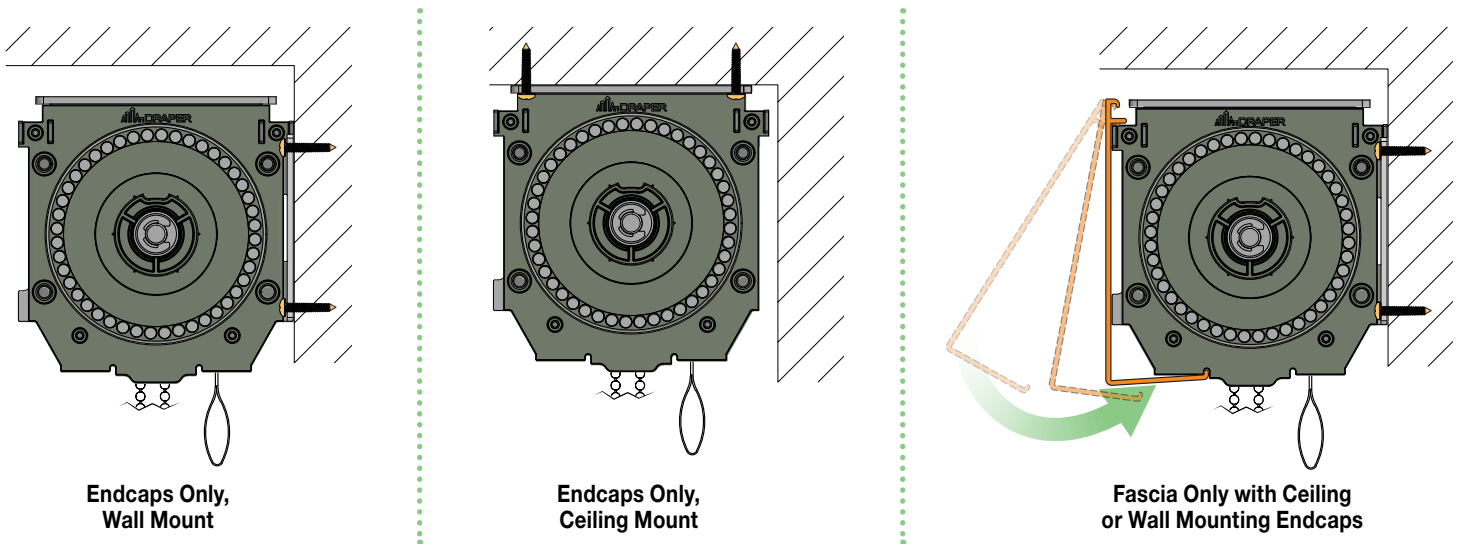
VINYL "L" ANGLE: 1 1/2" x 3/4" x 8' (3.81x1.9x243.84cm) stock length only. Installed using adhesive.

**DOWNLOADABLE 3-PART SPECIFICATIONS:** available at [www.draperinc.com](http://www.draperinc.com).

*Please note:* Dimensions of rollers, operators, and hardware at manufacturer's discretion.

## Mounting Hardware Selections

*Please Note:* Endcaps have the only attachment points for mounting a manual FlexShade®. Optional fascia and headbox have a thickness of 1/8" (1.6mm).

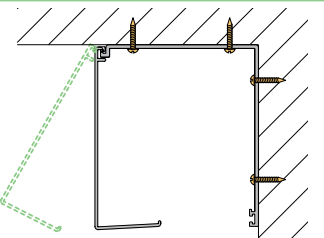


## Headbox Installation Options

### Surface Headbox

Consists of:

- Fascia
- Back/Top Cover
- Ceiling/Wall Endcaps



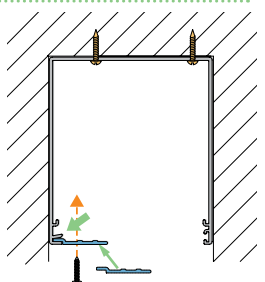
### Pocket Style Headbox

Consists of:

- Extruded Pocket
- Bottom Closure Panel
- Ceiling/Wall Endcaps

**SMALL SIZE:** 3 7/8" x 3 15/16"  
(87 mm x 100 mm)

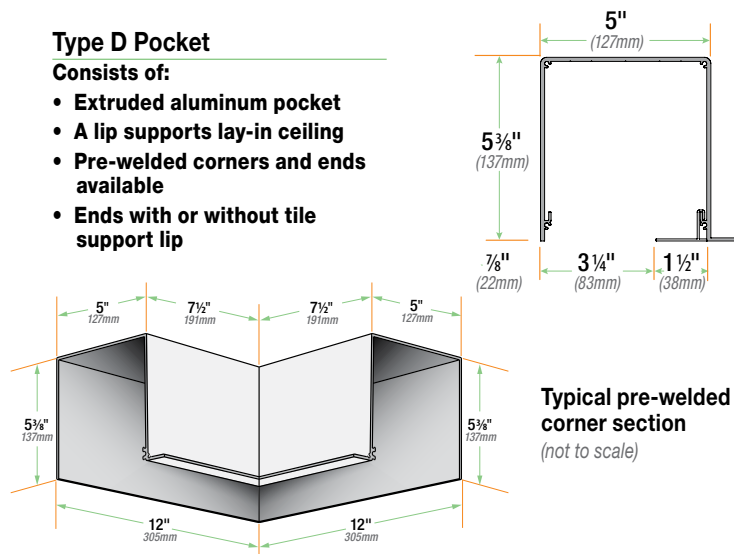
**LARGE SIZE:** 4 1/4" x 4 1/4"  
(119 mm x 119 mm)



### Type D Pocket

Consists of:

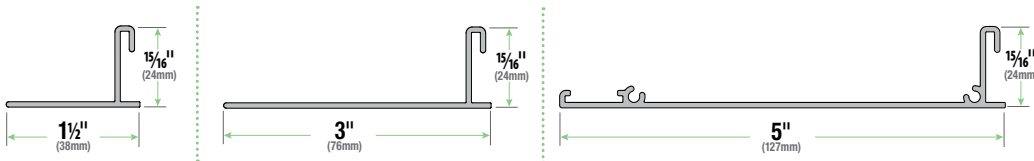
- Extruded aluminum pocket
- A lip supports lay-in ceiling
- Pre-welded corners and ends available
- Ends with or without tile support lip



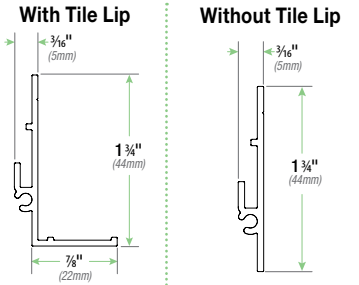
Typical pre-welded corner section  
(not to scale)

## Wall Clip and Closure Options

### Closure Options

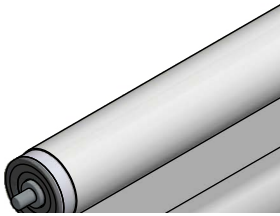


### Wall Clip Options

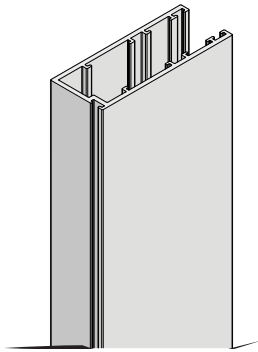


## Mounting Hardware Selections

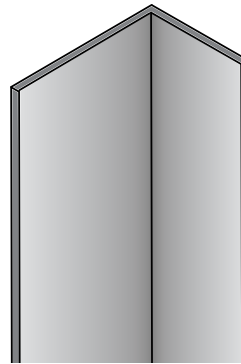
### Spline Fabric Attachment



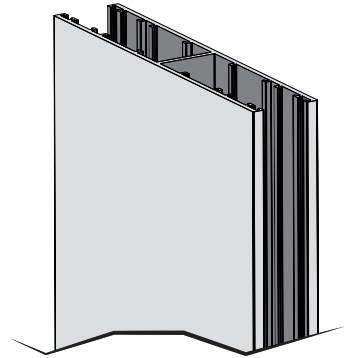
### "U" Channel



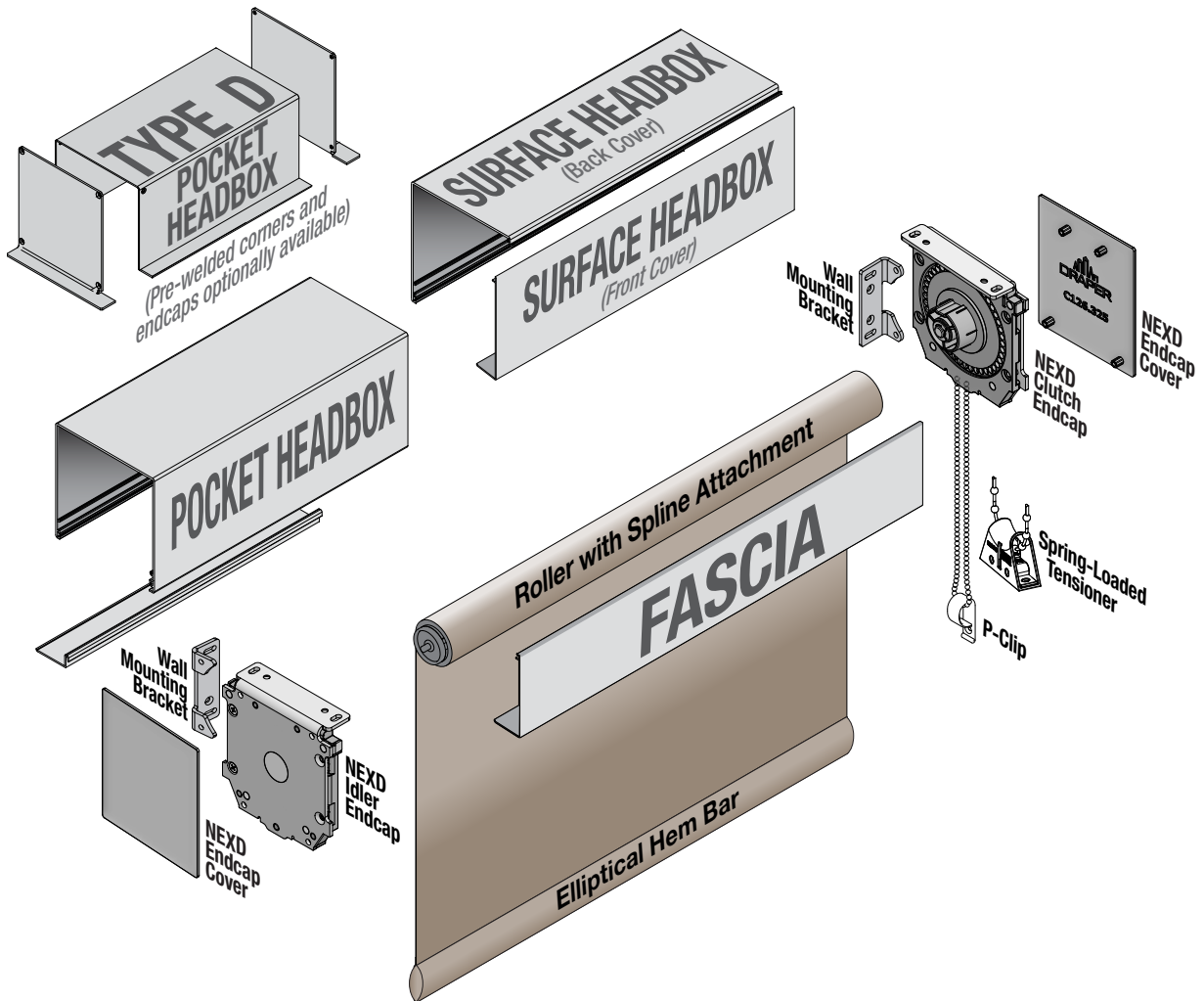
### "L" Angle



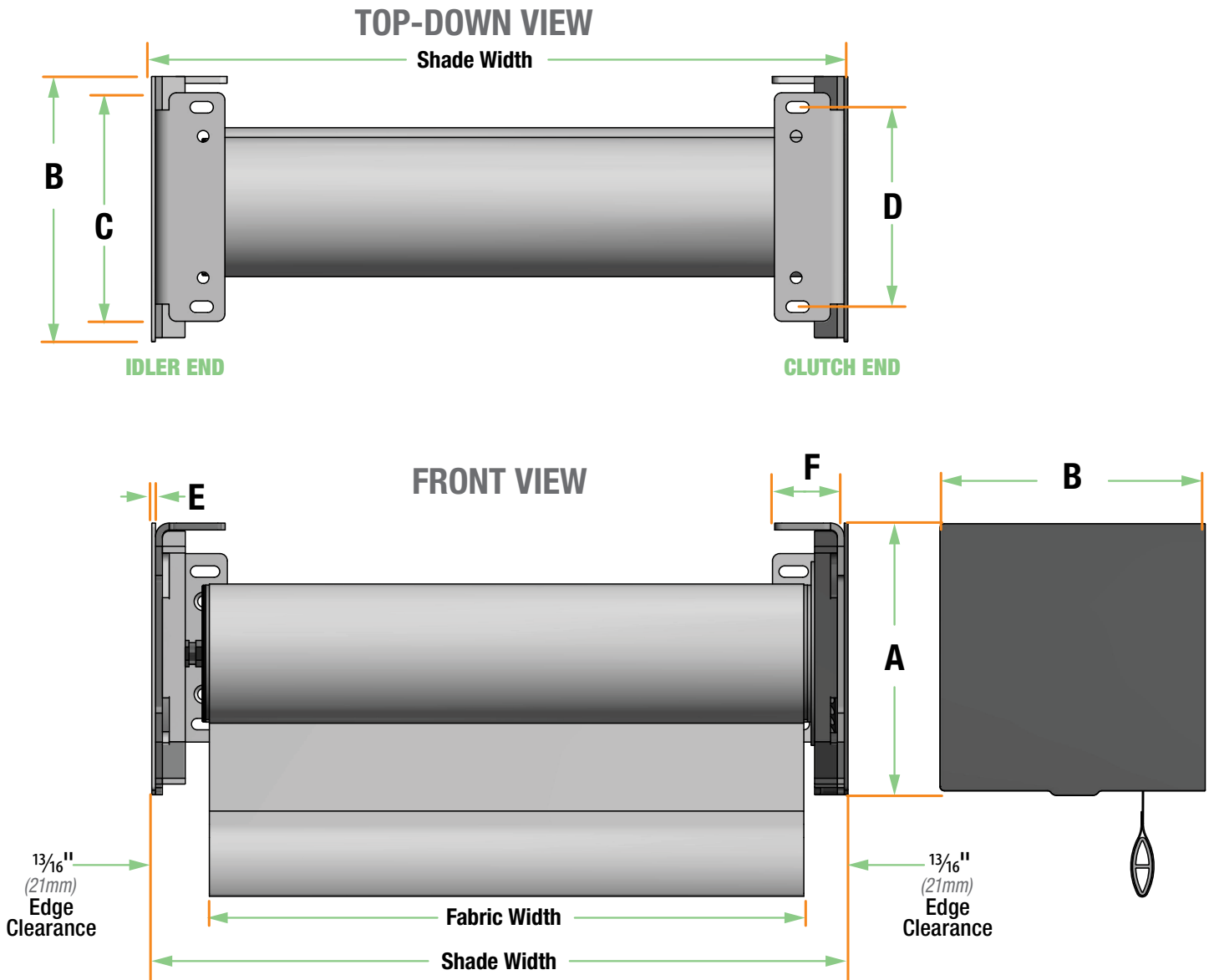
### "H" Channel



Components (Small Hardware shown)



Dimensions



**FlexShade® NEXD Endcaps & Fascia**

	ENDCAPS	
	SMALL	LARGE
<b>A</b>	3 7/8" (98mm)	4 5/8" (117mm)
<b>B</b>	3 3/8" (86mm)	4 5/8" (117mm)
<b>C</b>	2 3/4" (70mm)	3 15/16" (100mm)
<b>D</b>	2 1/8" (54mm)	3 7/16" (87mm)
<b>E</b>	1/16" (2mm)	1/16" (2mm)
<b>F</b>	1 1/4" (32mm)	1 1/4" (32mm)

	ENDCAPS WITH FASCIA	
	SMALL	LARGE
<b>A</b>	3 7/8" (98mm)	4 5/8" (117mm)
<b>B</b>	3 3/8" (86mm)	4 5/8" (117mm)
<b>C</b>	2 3/4" (70mm)	3 15/16" (100mm)
<b>D</b>	2 1/8" (54mm)	3 7/16" (87mm)
<b>E</b>	1/16" (2mm)	1/16" (2mm)
<b>F</b>	1 1/4" (32mm)	1 1/4" (32mm)

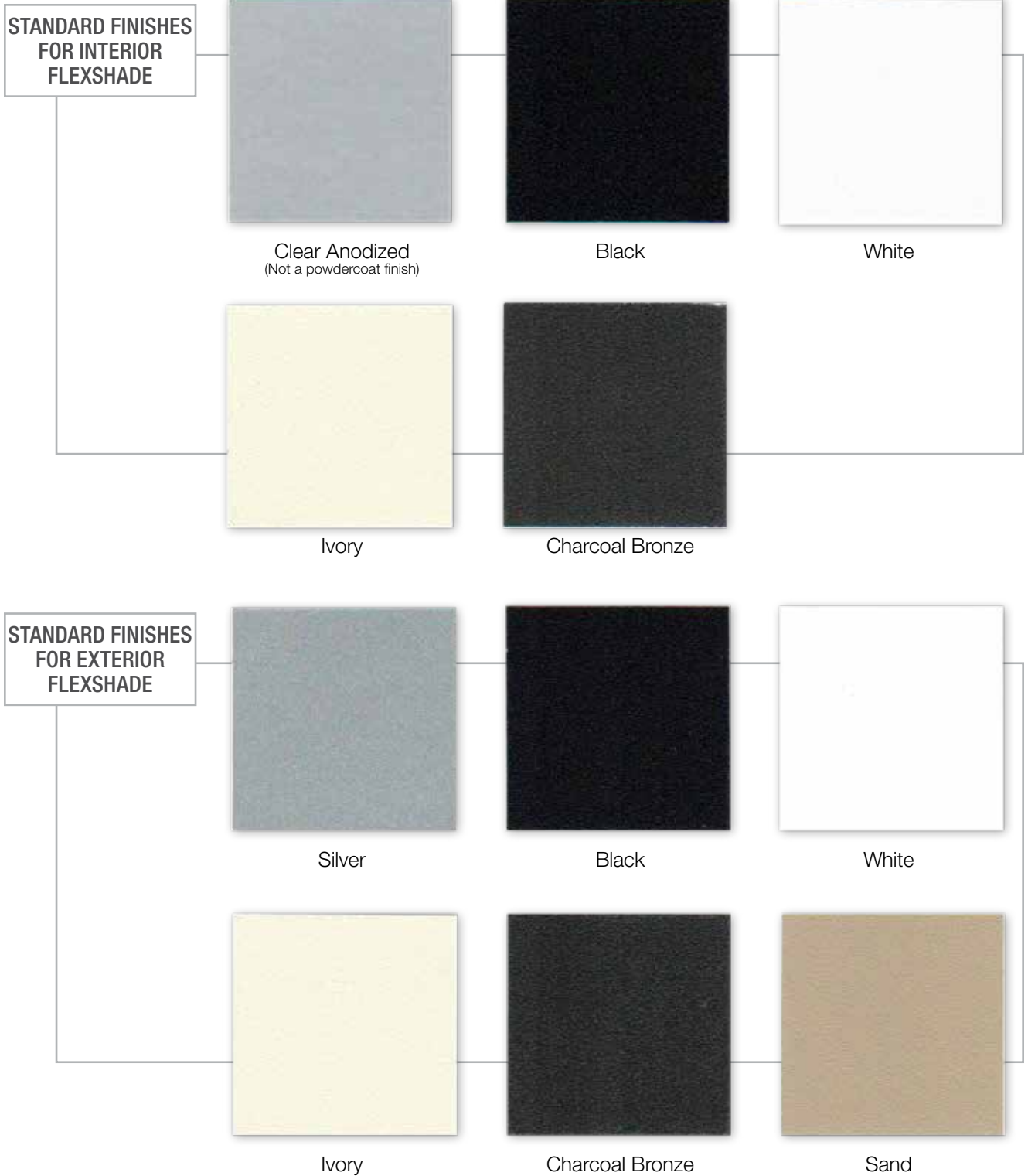
	HEADBOX WITH ENDCAPS	
	SMALL	LARGE
<b>A</b>	3 15/16" (100mm)	4 11/16" (119mm)
<b>B</b>	3 7/16" (87mm)	4 11/16" (119mm)
<b>C</b>	2 3/4" (70mm)	3 15/16" (100mm)
<b>D</b>	2 1/8" (54mm)	3 7/16" (87mm)
<b>E</b>	1/16" (2mm)	1/16" (2mm)
<b>F</b>	1 1/4" (32mm)	1 1/4" (32mm)



# FLEXSHADE® HARDWARE COLORS

STANDARD POWDER COAT COLORS, THERMALLY BONDED, SUPERIOR ADHESION

- These colors are standard for interior and exterior hardware and are applied to fascia, headboxes, and side and sill channels. Colors are lightly textured. Clear anodized and silver have a smooth finish. Custom colors are available on request.



# SheerWeave® Style PW4800

1% Openness



P06 Chalk



P07 Alabaster



P75 Pearl



Q97 Sand



Q98 Mocha



Q99 Taupe



V10 Ebony



V16 Grey



V59 Fleece



V60 Clay



V61 Mink



V62 Flint

Digital sample of actual colors may vary slightly.



# SheerWeave® Style PW4800 1% Openness

Designed with privacy in mind, Style 4800 is woven in a dense plain weave to limit directional visibility while allowing natural light to enter the room. Woven from vinyl-coated polyester yarns Style 4800 is durable, easy to maintain and high performing with a robust construction that makes it ideal for heavy traffic areas and public spaces. Style 4800 may also be used in exterior shading systems.

## SHEERWEAVE STYLE PW4800

STANDARD WIDTH	63", 98" and 126" (160 cm, 248.9 cm and 320 cm).	FABRIC THICKNESS	0.036 in (0.91 mm).
ROLL LENGTH	30 Linear Yards (27.4 lm).	OPENNESS FACTOR	Approximately 1%.
COMPOSITION	24% Polyester, 76% Vinyl on Polyester.	UV BLOCKAGE	Approximately 99%
MESH WEIGHT	18.5 oz/yd <sup>2</sup> (627 g/m <sup>2</sup> )	ACOUSTICAL VALUE	NRC 0.30 / SAA 0.31
		ACOUSTICAL PERFORMANCE	NRC (Noise Reduction Coefficient) and SAA (Sound Absorption Average) tested in accordance with ASTM C423-09a.

## SPECIFICATIONS

FIRE CLASSIFICATION	California U.S. Title 19 (small scale), NFPA 701 TM#1 (small scale), NFPA 101 (Class A Rating), IBC Section 803.1.1 (Class A Rating), BS 5867 Part 2 Type B Performance, NFPA 701 TM#2 (large scale), CAN/ ULC-S 109 (large and small scale), CAN/CGSB2-4.162-M80.
BACTERIA AND FUNGAL RESISTANCE	ASTM E 2180, ASTM G21, ASTM G22, AATCC30 Part 3, ASTM D 3273, GREENGUARD Mold and Bacteria Standard ASTM 6329; includes Microban antimicrobial additives.
ENVIRONMENTAL CERTIFICATION	Certified to GREENGUARD and GREENGUARD Gold standards for low chemical emissions into indoor air during product usage.
SAFE USE	RoHS/Directive 2002/95/EC, US Consumer Product Safety Commission Section 101, ANSI/WCMA A 100.1-2007 for lead content and REACH (EC 1907/2006) compliant.
STANDARD USES	Roller shades and panel tracks.
WARRANTY	10-year interior, 5-year exterior.

## TECHNICAL DATA

		SOLAR OPTICAL PROPERTIES				SHGC/G VALUE g-tot (glass & blind)	
		TS%	RS%	AS%	TV%	Single 1/4 CL	Insulating 1 HA
OPENNESS 1%							
COLOR	NUMBER						
Chalk	P06	8	77	15	6	0.19	0.18
Alabaster	P07	10	62	28	4	0.30	0.23
Pearl	P75	4	67	29	3	0.26	0.21
Sand	Q97	1	51	48	1	0.35	0.25
Mocha	Q98	0	12	88	1	0.56	0.35
Taupe	Q99	1	41	58	0	0.40	0.28
Ebony	V10	0	3	97	0	0.60	0.37
Grey	V16	4	51	45	2	0.35	0.25
Fleece	V59	0	24	76	1	0.49	0.32
Clay	V60	0	32	68	0	0.44	0.30
Mink	V61	0	7	93	0	0.58	0.37
Flint	V62	0	8	92	0	0.57	0.36



PRODUCT CERTIFIED FOR LOW CHEMICAL EMISSIONS  
UL.COM/GG  
UL 2818



MIF Seal of Approval



411 S. Pearl St. | Spiceland, IN 47385  
765.987.7999 | 800.238.7999  
draperinc.com

PW4800



\*TS - Solar Transmittance, RS - Solar Reflectance, AS - Solar Absorptance, TV - Visual Transmittance \*SHGC = Solar Heat Gain Coefficient \*1/4 CL = 1/4" Clear Glass, 1 HA = 1" Heat Absorbing Glass \*Fabrics Installed Internally, Zero-Degree Profile Angle \*Solar Heat Gain Coefficient (SHGC) shown calculated according to Office of Building Technology, State and Community Programs, Energy Efficiency and Renewable Energy, U.S. Department of Energy's definition of SHGC. SHGC represents the percentage of solar heat gain that is transmitted to the interior through the glass and shading system. If you are using glass whose performance is listed in terms of SC, you may convert to SHGC by multiplying the SC by 0.87.

**PHIFER**  
INCORPORATED

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# CLEANING AND MAINTENANCE Instructions

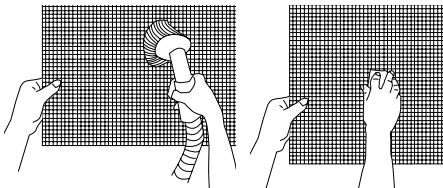
## MAINTAINING YOUR DRAPER FLEXSHADES



Product: Motorized Shades/Dual Roller Shades. Location: Mercantile Gallery Loft Condominiums, Louisville, KY. Photographer: Kenneth Hayden, Louisville, KY.

### CLEANING

Most of Draper's standard fabrics may be cleaned at the window by vacuuming with a soft brush attachment. They may also be cleaned by using a sponge or soft cloth and mild solution of warm soapy water. A dishwashing liquid, such as Ivory liquid, is recommended. A clean dry cloth is recommended for the metal finish. **Exceptions** are Flocké and Phifer SW7000 fabrics, which must be cleaned with a dry art sponge.

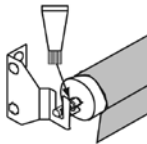


Left: Vacuuming with a soft brush attachment. Right: Cleaning with a soft cloth/art sponge.

**Caution:** Be sure to steady fabric with one hand during cleaning. Be careful not to jerk or place weight on the fabric. Depending on the installation hardware and substrate, placing too much weight on the fabric could result in mounting hardware being pulled loose.

### LUBRICATION

Most window covering products manufactured by Draper, when properly installed, should require no operational maintenance or lubrication. However, Idlers on motorized shades may occasionally need lubrication. If lubrication is required, apply a small amount of a lithium based grease direct to the idler pin.



Applying a small amount of lithium based grease direct to the idler pin.

**Caution:** Take care to avoid spilling lithium-based grease on shade fabric.

### KEEPING ON TRACK

Both fiberglass and polyester yarns can sometimes mis-track—also known as telescoping or not running exactly square with the roller. This is easily remedied by placing a piece of high quality gaffer tape about 1" wide on the exposed roller (where the fabric will cover it) on the side that you want the fabric drawn toward.



### DON'T BE FRAYED

Although Draper uses modern cutting techniques that reduce the likelihood of frayed edges, any time a fabric is cut—whatever the method—there is a small possibility of fraying after some time in the field, depending on the usage of the product.

**Polyester:** In the event there is some fraying, repairs can be made on polyester by careful use of heat/flame to melt the frayed pieces away.

**Fiberglass:** If fraying does occur, scissors can be used to trim the fabric. Skimming fabric edges with a heavy duty, low scratching scour pad is also efficient. Because both fiberglass and polyester core yarns are white, fraying is more visible on dark colors.



Polyester Fabric with Fraying



Fiberglass fabric with Fraying



## LIMITED WARRANTY AND RETURN POLICY

### YOUR PURCHASE IS COVERED

The quality of Draper FlexShades® is unmatched. We're so sure that your window shades will look great and work well (and continue to do so) that we are offering a 25-year limited warranty on most interior shade products.

We just don't think you'll need it.

- **Draper, Inc. warrants that its products are free from defects in material and workmanship for the following specified warranty periods:**

**For Draper's interior shading products:**

- 25 years for most Draper FlexShade interior window shade hardware and fabrics (excluding PVC-free fabrics, clear vinyl, insect screens and the spring assist mechanism).
- 10 years for the Draper Techmatic, the Draper Spring Roller Window Shade, Draper FlexShade ZIP™, Skylight FlexShades, LightBloc FlexShade Zip, FlexShade Zip XL, FlexShade XL, Bottom Up FlexShades hardware and fabrics (excluding PVC-free fabrics, clear vinyl and insect screens), and the spring assist mechanism used in any Draper window treatment product.
- 5 years for electronic accessories and motors for the above products, and all PVC-free fabrics and insect screens (excluding clear vinyl).
- 1 year for the Draper Custom Tension System, the Draper FlexLouver Rack Arm System and the Draper FlexWave Light Shelf and shading products from global partners and distributed by Draper.

**For Draper's exterior shading products:**

- 10 years on hardware for most Draper Exterior FlexShade models and Draper FlexShade ZIP™ and FlexShade ZIP XL.
- 5 years on electronic accessories and motors, fabric and insect screens (excluding clear vinyl) and hardware finish.
- 1 year for the Draper Custom Tension System, the Draper FlexLouver Rack Arm System and shading products from global partners and distributed by Draper.

For more details, please contact Draper or visit our website at [draperinc.com/warranty.aspx](http://draperinc.com/warranty.aspx) | 765.987.7999 | 800.238.7999.





## LIMITED WARRANTY AND RETURN POLICY

### Limited Warranty

Draper, Inc. ("**Draper**") warrants (this "**Limited Warranty**") to the End User (the "**End User**") that its products are free from defects in material and workmanship (except as provided below) for the specified warranty periods (each, a "**Warranty Period**") provided below, which Warranty Periods begin on the date of shipment. This Limited Warranty is limited to the project for which the product was originally purchased.

For Draper's interior line of window treatment products incorporating fabric specified in the bullets below:

- **25 years** for the mounting hardware, headbox, clutch, fascia and shade fabric (excluding PVC free fabrics, fabric with battens, clear vinyl and insect screens) for the Draper Manual FlexShade product line, the Draper Motorized FlexShade product line, the Draper FlexShade 2 product line, the Draper Manual Lightbloc FlexShade, the Draper Motorized Lightbloc FlexShade, the Draper Skylight FlexShade product line (standard, 2, and 3), the Draper Crank Operated FlexShade, the Draper FlexShade XD, the Draper FlexShade NEXD, FlexShade Twin Pull, the Draper Bottom-Up FlexShade product line, Draper FlexShade Recharge, and the Draper Colossal FlexShade,
- **10 years** for the mounting hardware, headbox, clutch, fascia and shade fabric (excluding PVC-free fabrics, fabric with battens, clear vinyl, and insect screens) for the Draper Techmatic, Draper Spring Roller Window Shade, Draper FlexShade Zip, Draper FlexShade Zip XL, and the Draper FlexShade XL,
- **5 years** for the controls, electronic accessories and motors for the above products,
- **5 years** for PVC free fabrics, insect screens, and fabric with battens (excluding clear vinyl) for the Draper Manual FlexShade product line, the Draper Motorized FlexShade product line, the Draper FlexShade 2 product line, the Draper Manual Lightbloc FlexShade, the Draper Motorized Lightbloc FlexShade, the Draper Skylight FlexShade product line (standard, 2, and 3), the Draper Crank Operated FlexShade, the Draper FlexShade XD, the Draper Bottom-Up FlexShade product line, the Draper Techmatic Window Shade, the Draper Spring Roller Window Shade and the Draper Colossal FlexShade, and
- **1 year** for the Draper Custom Tension System.

For Draper's interior line of window treatment products not incorporating fabrics specified in the above section:

- **1 year** for the Draper FlexLouver Rack Arm System and the Draper FlexWave Light Shelf
- **1 year** for interior products distributed, not manufactured, by Draper.

For Draper's Spring assist mechanism:

- **10 years** for the spring assist mechanism used in any Draper window treatment product, including, but not limited to, the Draper Bottom-Up FlexShade product line, the Draper Manual FlexShade and the Draper Manual FlexShade XD.

For Draper's **exterior line** of window treatment products:

- **10 years** for the mounting hardware, headbox, clutch, fascia, electronic accessories and motors for the Draper Exterior FlexShade product line, Draper FlexShade Zip, Draper FlexShade Zip XL and
- **5 years** for the mounting hardware, headbox, clutch, fascia, shade fabric (excluding clear vinyl), insect screens, controls, electronic accessories, hardware finish, and the Draper Custom Tension System
  - **1 year** for exterior products distributed, not manufactured, by Draper.

This Limited Warranty extends only to the original End User, and is not transferable to a third party. This Limited Warranty is applicable to products that are repaired or replaced for the balance of the Warranty Period or for ninety (90) days from the date the product is repaired or replaced, whichever is longer.

If a product breaches this Limited Warranty, the End User may make a claim on this Limited Warranty in accordance with the Claims Procedures, as set forth below, within a reasonable time after the End User discovers the defect. Subject to the conditions and limitations set forth below (the "**Excluded Items**"), Draper, through a Draper Authorized Dealer (a "**Dealer**") will, at its discretion, either repair or replace any part of the product that proves defective by reason of improper workmanship or materials.

No person, including any sales representative or other employee or agent of Draper, has the authority to (a) bind Draper to any warranty, representation or remedy except those expressly set forth herein or (b) modify, change, vary or increase this warranty or any remedy set forth herein.

DRAPER'S TOTAL LIABILITY UNDER THIS OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, IS LIMITED TO REPAIR, REPLACEMENT OR REFUND. REPAIR, REPLACEMENT OR REFUND ARE THE SOLE AND EXCLUSIVE REMEDIES FOR BREACH OF WARRANTY OR ANY OTHER LEGAL THEORY. IN NO EVENT SHALL DRAPER BE LIABLE FOR ANY BACKCHARGES OR FOR ANY INCIDENTAL, INDIRECT, CONSEQUENTIAL, SPECIAL, EXEMPLARY OR PUNITIVE DAMAGES, WHETHER RESULTING FROM THE PURCHASE, USE, MISUSE, INABILITY TO USE OR INABILITY TO INSTALL THE PRODUCT OR FROM DEFECTS IN THE PRODUCT.

SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY.

**THIS LIMITED WARRANTY IS THE EXCLUSIVE WARRANTY GIVEN BY DRAPER FOR THE PRODUCT AND IS IN LIEU OF ALL OTHER WARRANTIES. DRAPER DISCLAIMS ALL OTHER WARRANTIES, WHETHER EXPRESS, IMPLIED OR STATUTORY, INCLUDING ANY WARRANTY OF MERCHANTABILITY, ANY WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE AND ANY IMPLIED WARRANTIES ARISING FROM A COURSE OF DEALING OR USAGE OF TRADE. THIS WARRANTY SUPERSEDES ALL OTHER WARRANTIES, INCLUDING ANY WARRANTIES BASED ON ORAL REPRESENTATIONS.**

THIS LIMITED WARRANTY GIVES THE END USER SPECIFIC LEGAL RIGHTS, AND THE END USER MAY HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.

#### **Excluded Items**

**THIS LIMITED WARRANTY DOES NOT COVER DEFECTS CAUSED BY** negligence; improper maintenance; improper storage; improper wiring; accident; misuse; installation not in accordance with Draper's printed installation instructions; abuse; impact or other force, whether prior or subsequent to installation; operation in a manner contrary to design or use in a manner contrary to or in excess of Draper's specifications, drawings or instruction; application other than intended use; use with electrical accessories or parts, including switches, relays or other accessory components not previously approved in writing by Draper; failure to comply with all of Draper's written instructions and specifications; improper cleaning, maintenance, care or repair; normal wear and tear; fire, lightning, tornadoes or other acts of God; excessive electrical supply; contact with food; abnormal mechanical or environmental conditions; unauthorized disassembly, repair or modification; service by unauthorized provider; installation of unapproved third party products; buyer's remorse. This Warranty also does not apply to any product on which the original identification information has been altered, obliterated or removed, or which has been sold as second-hand.

**IN ADDITION, WITH RESPECT TO DRAPER'S INTERIOR LINE OF FLEXSHADE PRODUCTS, THIS LIMITED WARRANTY DOES NOT COVER DEFECTS CAUSED BY** use for non-interior applications or exposure to outdoor environmental conditions; contact with liquid, water, rain, extreme humidity or heavy perspiration, sand, dirt or the like or extreme heat.

This Warranty does not apply to any defects or damage caused by, arising out of or related to the installation of the product. **Because Draper is not responsible or liable for the installation of the product, the End User should contact the Dealer from which the End User originally purchased the product in the event of a claim related to installation.**

Draper does not warrant any images or artwork reproduced, printed or placed on shade cloth by Draper or any other imaging supplier. Draper is not responsible or liable for fading, discoloration, color shifts or any other failure or defect in such images or artwork.

Draper does not warrant bead chains on any of its products.

Draper does not warrant against freight damage, concealed or otherwise.

### **Claims Procedure**

To make a valid and proper claim under this Limited Warranty, the End User **must notify the Dealer from which it purchased the product within the applicable Warranty Period.** The Dealer will then work directly with Draper to process the warranty claim. Draper will take those steps it determines to be reasonable and necessary, including inspection of the product, to determine whether the product is defective by reason of improper workmanship or materials. If, in its sole discretion, Draper determines that the product is defective by reason of improper workmanship or materials, Draper will replace or repair the product. **The End User shall not return the product unless requested to do so by the Dealer and/or Draper.**

### **Governing Law; Dispute Resolution**

This Limited Warranty and the rights contemplated hereby shall be governed by and interpreted in accordance with the laws of the State of Indiana, without regard to its choice or conflict of law principles. Any legal action arising under or relating to Limited Warranty shall be settled by binding arbitration in the State of Indiana, unless otherwise agreed by Draper and the warranty holder. The arbitration shall be conducted on a confidential basis pursuant to the Commercial Arbitration Rules of the American Arbitration Association. Any decision or award as a result of any such arbitration proceeding shall be in writing and shall provide an explanation for all conclusions of law and fact and shall include the assessment of costs and expenses but not attorneys' fees. Each party shall bear its own attorneys' fees in connection with any such arbitration. Any such arbitration shall be conducted by an arbitrator experienced in window treatments or with legal experience required for such arbitration and shall include a written record of the arbitration hearing. The parties reserve the right to object to any individual who shall be employed by or affiliated with a competing organization or entity. An award of arbitration may be enforced by a court of competent jurisdiction. All arbitration costs shall be shared by the parties unless otherwise ordered by the arbitrator.

### **Effective Date; Amendment**

This Limited Warranty shall be effective as of July 31, 2017 and shall only apply to products purchased on or after such date.

Draper reserves the right to amend, modify or withdraw this Limited Warranty or any provisions herein at any time without notice to any party. Any such amendment, modification or withdrawal will not affect any product purchased prior to the date of such amendment, modification or withdrawal.



SUBSTITUTION REQUEST FORM

**DATE:** 12.27.2023

615 Woodside Drive, Englewood, Ohio 45322  
T 937.836.8898 F 937.832.3696

**REQUEST NO.:** \_\_\_\_\_

[www.app-arch.com](http://www.app-arch.com)

**PROJECT:** EAST END COMMUNITY SERVICES  
614, 624 & 702 BUILDING RENOVATIONS AND ADDITIONS

**PROPOSED SUBSTITUTION:** SkyScape Architectural Canopies - spec 107313 Awnings would be an  
equal to the basis of design. Please see attached product information.

Thomas Williams

**REQUEST AUTHOR:** INTEK Construction Products **REQUIRED REPLY DATE:** \_\_\_\_\_

**REPLY:** Skyscape Architectural Canopies will be accepted as an approved substitution provided  
all engineering, fastening, and structural canopy supports are to be supplied by the  
manufacturer.

**REPLY AUTHOR:**  **REPLY DATE:** 01/02/2024

ATTACHMENTS:

ACTION REQUIRED:

DISTRIBUTION:

END OF SECTION 01 2500



# SKYSCAPE®

ARCHITECTURAL CANOPIES



Classic designs. Simplified installation. Exceptional durability.



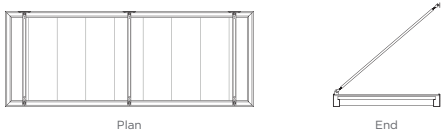
[SKYSCAPECANOPIES.COM](http://SKYSCAPECANOPIES.COM)



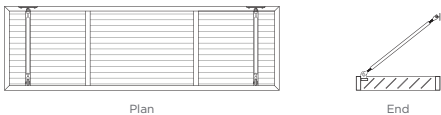
# IT'S ALWAYS GOOD TO HAVE OPTIONS



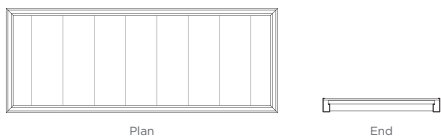
## HANGER-SUPPORTED CANOPY



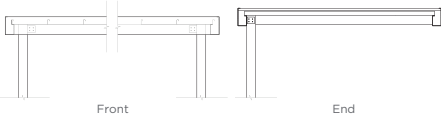
## HANGER-SUPPORTED SUNSHADE CANOPY



## CANTILEVERED CANOPY



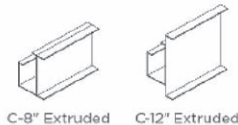
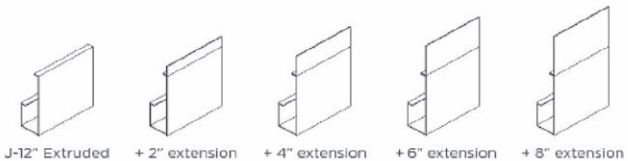
## POST-SUPPORTED CANOPY



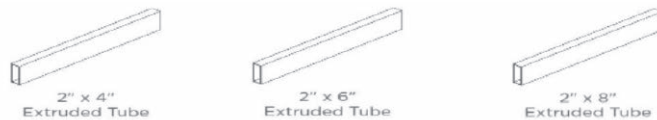
## CUSTOM CANOPY



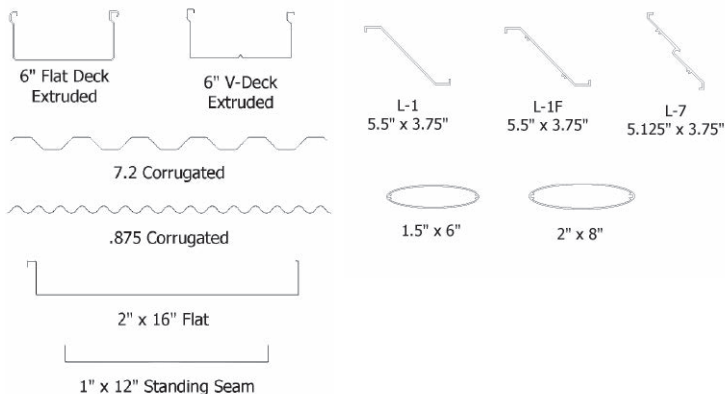
## FASCIA OPTIONS



**OTHER FASCIA  
SIZES AND PROFILES  
AVAILABLE.**



## DECKING OPTIONS



### BUILD

We deliver high-quality, pre-welded architectural canopies manufactured to your design and engineering specifications.



### INSTALLATION

We are always proud of our products, our installation partners and the success of another finished project.



### EXPERTISE

We believe that smart canopy solutions start with a dialogue and we welcome any questions or requests you might have.



### NATIONWIDE

We ship our products nationwide via several logistics partners.

# THE NATION'S LEADING PROVIDER OF ALUMINUM CANOPY SYSTEMS

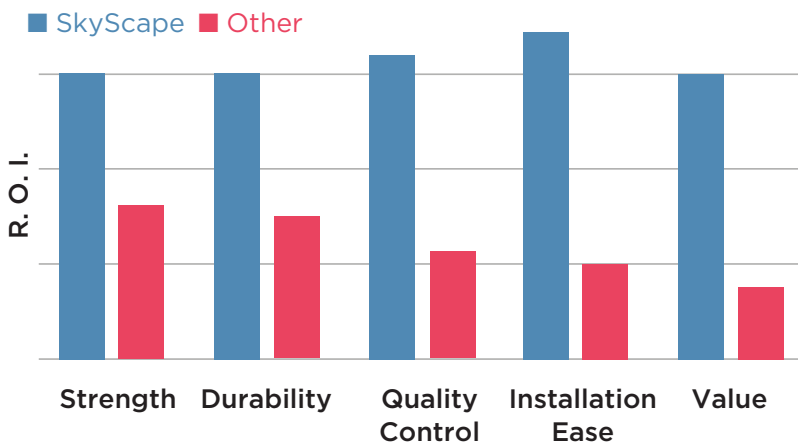
## MANUFACTURING EXCELLENCE

Unlike brake-formed aluminum or bolt-together canopy systems, SkyScape canopies are fabricated using welded, extruded aluminum components for unbeatable strength and durability.

- Extruded Aluminum
- Fully Welded
- In-House Finished
- Manufacturer's Warranty
- Simplified Installation



### Factory Fabricated vs. Field Assembled



## SAVING YOU TIME

- » Reduce R.F.I.'s
- » Project Specific, not "canned"
- » Product Clarity
- » Spec & Details Align
- » Quality Assurance



[SKYSCAPECANOPIES.COM](http://SKYSCAPECANOPIES.COM)

## TOOLS AND RESOURCES

Our website is designed to put the tools you need at your fingertips.

- Product Specifications
- RFP / Quote Request
- Installation Instructions/Videos
- Gallery of Both Completed & WIP Canopy Projects
- Details / Drawings



# IN-HOUSE POWDER COATING

SkyScape's Super Durable Powder System offers *the following advantages:*

- exterior durability
- chemical resistance
- high impact resistant and flexibility
- abrasion resistance
- broad range of color, gloss and special effects
- meet and exceed AAMA 2604 performance requirements
- cost effective

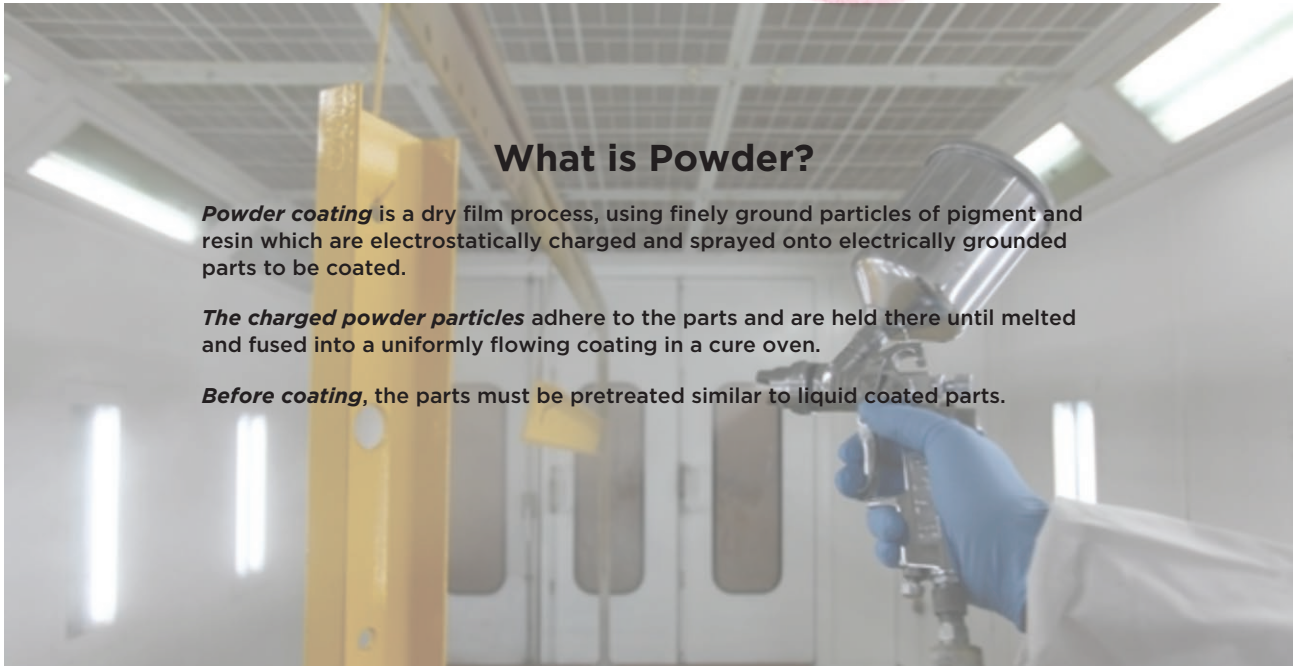
At **SkyScape® Architectural Canopies**, we know how important the right color and finish is to **ensure a high-quality final product.**

That's why our products feature powder from **industry leading** manufacturers.

We perform **in-house painting** with a **quality-controlled** process second to none in our industry.

Our paint personnel and equipment are factory approved and inspected regularly to ensure long-term **color retention and superior performance.**

Our production facilities and quality control systems are designed for **superior quality**, while allowing **competitive pricing** and **fast turnaround times.**



## What is Powder?

**Powder coating** is a dry film process, using finely ground particles of pigment and resin which are electrostatically charged and sprayed onto electrically grounded parts to be coated.

**The charged powder particles** adhere to the parts and are held there until melted and fused into a uniformly flowing coating in a cure oven.

**Before coating**, the parts must be pretreated similar to liquid coated parts.



**GET IN TOUCH** We welcome any questions or requests you may have!

Kynar Options



Additional costs and lead times may apply

**SKYSCAPE® ARCHITECTURAL CANOPIES**  
4575 River Green Parkway, Suite 200 \ Duluth, GA 30096

(877) 347-0868 TOLL FREE  
(770) 674-6452 OFFICE  
Sales@SkyScapeCanopies.com

SKYSCAPECANOPIES.COM







**SUPER DURABLE POWDER COLORS**



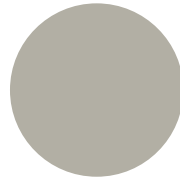
Apollo White



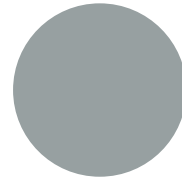
Bone White



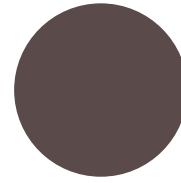
Sandstone



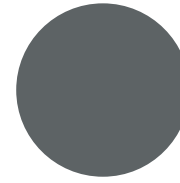
Sea Wolf



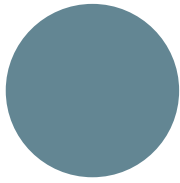
Fashion Gray



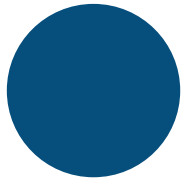
Burgundy



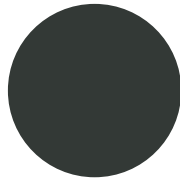
Charcoal



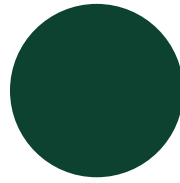
Military Blue



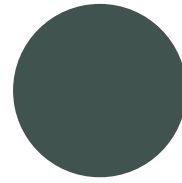
Regal Blue



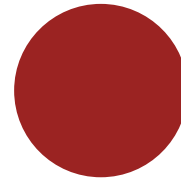
Black



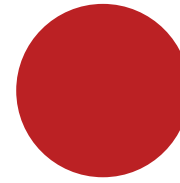
Moss Green



Hartford Green



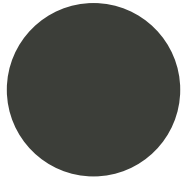
Carmine Red



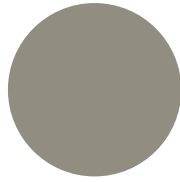
Traffic Red



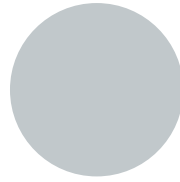
Antique Bronze



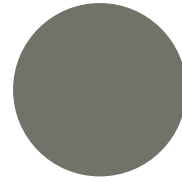
Dark Bronze



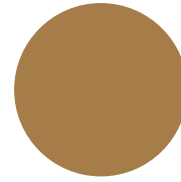
Light Bronze



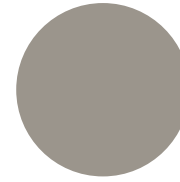
Anodized Silver Bonded



Pewter



Gold Nugget

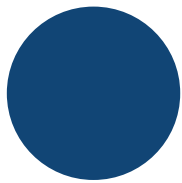


Champagne

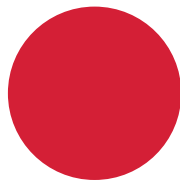
**NATIONAL BRAND COLORS**



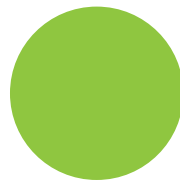
Retail Orange



Honorable Blue



Real Red



Wasabi Green

Colors shown are as close to actual colors as allowed by the printing process. Actual metal samples are available.

Colors may appear different when viewed at different angles and under different lighting conditions.

Due to product improvements, changes and other factors, we reserve the right to change or delete information herein without prior notice.

SkyScape's Super Durable Powder System offers **the following advantages:**

- exterior durability
- chemical resistance
- high impact resistance and flexibility
- abrasion resistance
- broad range of color, gloss and special effects
- meet and exceed AAMA 2604 performance requirements
- cost effective



**GET IN TOUCH** We welcome any questions or requests you may have!

Kynar Options



Additional costs and lead times may apply





Project:

Location:

Customer:

SAMPLE

We, **SkyScape Architectural Canopies**, known as **Supplier** for the canopy product(s), manufactured for the above referenced project per our contractual agreement, do hereby warrant the finish of the Skyscape products are in accordance with the quote document(s) and authorized modifications thereto, if any, will be free from defects due to defective materials or workmanship for a period of xxxxx (10) years from date of shipment; (mo/day/yr)

Should any defect develop during the warranty period due to improper materials, workmanship or arrangement, the defect, including adjacent work displaced, shall be made good by the undersigned at no expense to the Customer. The Supplier shall be given first opportunity to make any repairs, replacements, or corrections to the defective construction at no cost to the Customer within a reasonable period of time.

Written notice of defective work will be given to the Supplier. Should this Supplier fail to respond or reply to the written notice within forty-five (45) days after receiving such, the Customer may correct defects and charge the Supplier costs (Excluding any profit or overhead) for such correction. This Supplier agrees to pay such charges.

Nothing in the above shall be deemed to apply to work which has been abused, modified or neglected by the Customer/Building Owner Others and/or acts of God.

***Skyscape Architectural Canopies (Supplier)***

Signature:

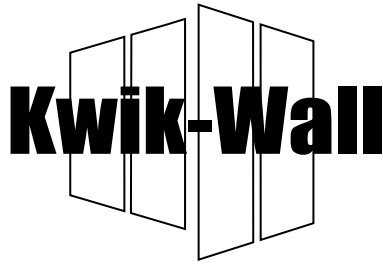
Title:

Date:

SAMPLE

4575 River Green Pkwy. Suite 200  
Duluth, Georgia 30096

Toll Free (877) 347-0868 Office (770) 674-6452



# 2030 TECHNICAL DATA

2000 Series panels, Hinged in Pairs

## KWIK-WALL... One Source for Wall Systems.

KWIK-WALL's 2000 Series - Operable wall systems answer the challenge for space division needs posed by multi-purpose room layouts. Years of continuing research and development have produced many outstanding features!

KWIK-WALL's Model 2030 is the most popular panel configuration in the industry. Panels are hinged together in groups of two (2) to allow for quick and easy movement of multiple panels from the storage location to the installed position. The track system is a continuous straight run which also simplifies the structural header requirements that are necessary to support the wall system. A full range of panel finishes, options and accessories are available to customize the wall to best suit your requirements.

## SOUND CONTROL...

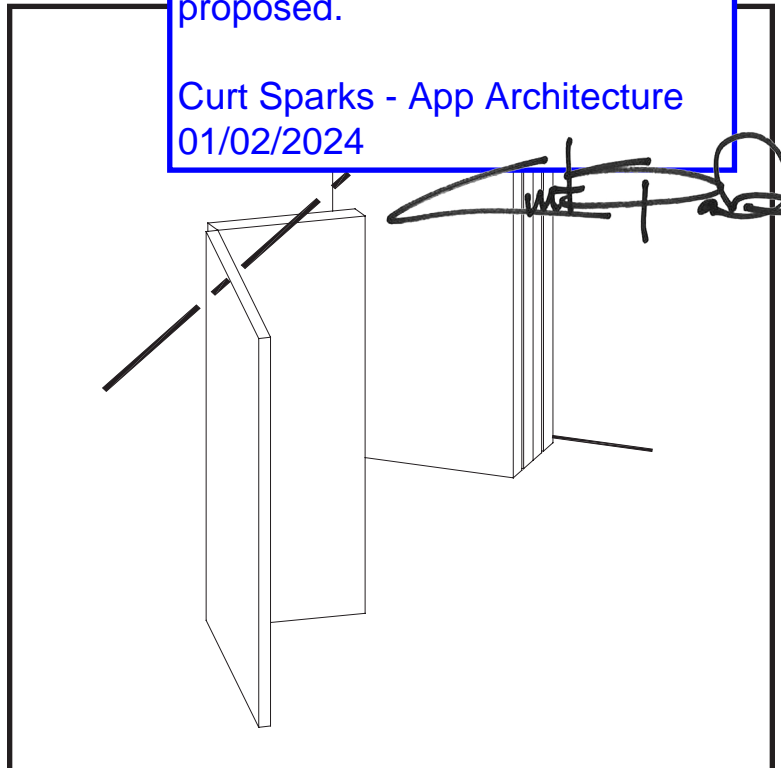
KWIK-WALL's 2000 Series Steel Panel is a complete line of acoustically rated wall systems that are designed and manufactured to meet the most demanding sound control requirements. Sound Transmission Class (STC) ratings from 42 STC to 51 STC have been tested and certified in an independent acoustical laboratory in accordance with ASTM E 90 and ASTM E 413 test procedures. The STC ratings represent a single number expression of the effectiveness of an operable wall in preventing the passage of transmitted sound in the range\* of 125 Hz to 4,000 Hz. For assistance with designing room division applications using Operable, Glass or Accordion wall systems, please contact your local KWIK-WALL distributor.

\*The average human ear has an audibility range from 125 Hz to 4,000 Hz. Levels in excess of 65 dB to 70 dB are generally too loud for ordinary speech communication. When the sound pressure exceeds 120 dB, it normally passes the threshold of pain.

Kwik-Wall 2030 is an acceptable model/manufacturer for folding partitions provided the final submitted product meets all of the requirements in specification section 10 2239 of the project manual.

This Technical Data binder contains all available options and does not specify what is proposed.

Curt Sparks - App Architecture  
01/02/2024





### 1.01 WORK INCLUDED

- A. Operable Wall System shall be furnished, installed and serviced by KWIK-WALL's authorized distributor, in compliance with the architectural drawings and specifications contained herein.

### 1.02 RELATED WORK

- A. Structural Support: Structural support system required for suspending the operable wall shall be designed, installed and pre-punched by others, in accordance with ASTM E 557 and KWIK-WALL's shop drawings.
- B. Insulation: Sound insulation and baffles for the plenum area above the track system, under the permanent floor, inside air ducts passing over or around the operable wall, and in permanent walls adjoining the operable wall system shall be by others, in accordance with ASTM E 557.
- C. Opening Preparation: Proper and complete preparation of the operable wall system opening shall be by others in accordance with ASTM E 557, and shall include floor leveling; plumbness of adjoining permanent walls; substrate and or ceiling tile enclosures for the track system; and the painting and finishing of trim and other materials adjoining the head and jamb areas of the operable wall. Any permanent wall(s) receiving an adjustable or fixed wall jamb will require internal structural blocking in order to secure the jamb to the permanent wall. Refer to a copy of the shop drawings for additional details.

### 1.03 SYSTEM DESCRIPTION

- A. The operable wall system shall consist of Hinged Pair Panels that are top supported by one (1) carrier. Featuring panels hinged together in evenly matched pairs (groups of two (2)), unless otherwise specified.
- B. The operable wall system shall consist of acoustically rated panels tested in accordance with ASTM E 90 and ASTM E 413 test procedures, and shall have achieved a STC rating as specified herein (see "Acoustical Performance" article listed under Part 2 - Products).

### 1.04 QUALITY ASSURANCE

- A. The operable wall shall have been tested in an independent acoustical testing laboratory in accordance with ASTM E 90 and ASTM E 413 test procedures.
- B. The operable wall panel construction and finish materials shall consist of Class A rated materials (except as noted, under "Finishes" Part 2 – Products) in accordance with ASTM E 84.
- C. The operable wall shall be installed by KWIK-WALL's authorized distributor in accordance with ASTM E 557.

### 1.05 REFERENCES

- A. ASTM E 90: Laboratory Measurement of Airborne-Sound Transmission Loss of Building Partitions.
- B. ASTM E 413: Determination of Sound Transmission Class (STC).
- C. ASTM E 557: Architectural Application and Installation of Operable Partitions.
- D. ASTM E 84: Surface Burning Characteristics of Building Materials.
- E. ASTM A 653: Specification for General Requirements for Steel Sheet, Alloy-Coated (Galvanneal) by the Hot Dip Process.
- F. ASTM C 423: Standard Test Method for Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method.

- G. CCC-W-408A: Federal Specification which applies to Vinyl Coated Wall Coverings.
- H. CFFA-W-101-D: Chemical Fabrics and Film Association Quality Standard for Vinyl Coated Fabric Wall Coverings

### 1.06 SUBMITTALS

- A. KWIK-WALL shall provide written technical information and related detail drawings, which demonstrate that the products comply with contract documents for each type of operable partition specified.
- B. KWIK-WALL shall provide detailed engineering drawings featuring track plan, panel elevation, horizontal and vertical details and beam punching template as required.
- C. KWIK-WALL shall provide written test report of the independent acoustical testing laboratory certifying the attainment of the specified STC rating, upon request.
- D. KWIK-WALL shall provide written instructions specifying the proper operation and maintenance of the operable wall system.
- E. KWIK-WALL shall provide a color selector demonstrating the manufacturer's selections of the specified finish material. Samples shall consist of actual swatches of the specified finish material.

### 1.07 DELIVERY, STORAGE AND HANDLING

- A. Panels shall be individually wrapped in a protective plastic covering to keep panels clean during delivery, storage and handling.
- B. Panels shall be stored on edge and above the floor on cushioned blocking in a dry and ventilated area, protected from humidity and temperature extremes.

### 1.08 SEQUENCING / SCHEDULING

- A. Beam Punching: KWIK-WALL shall provide beam punching template drawing detailing the anchor locations for the suspended track system (as required for Drop Rod Mounting), as required for the fabrication and installation of structural overhead support by others.
- B. Track Installation: Scheduling of operable wall track installation shall occur after structural overhead support has been properly and completely fabricated and installed by others.
- C. Panel Installation: Operable wall panel installation shall occur after fixed wall substrate construction is properly and completely installed by others, as required to protect panels from ongoing adjacent construction.

### 1.09 WARRANTY

- A. KWIK-WALL shall warrant each operable wall panel and its component parts to be free from defects in material and workmanship for a period of five (5) years from the date of delivery to the original purchaser, when installed by an authorized KWIK-WALL distributor. KWIK-WALL also warrants the fixed top seals, track, carriers, and its component parts to be free from defects in material and workmanship for a period of ten (10) years. (see actual warranty on Page 12 for details and limitations).



**2.01 ACCEPTABLE MANUFACTURER**

A. Operable walls shall be Series 2000, Model 2030 Hinged Pairs as manufactured by KWIK-WALL Company.

**2.02 PANEL CONSTRUCTION**

- A. Panel Dimensions: Standard panel dimension shall be a nominal 3" [76] thick.
- B. Panel Frame: Vertical steel frame members shall be minimum 18-gauge galvaneal steel, horizontal top cross member shall be minimum 12 - gauge galvaneal steel, which meets or exceeds ASTM A 653 requirements. Frame shall be all-welded construction with steel corner supports and cross-bracing reinforcements. Panel frame shall be Class A rated fire retardant, non-combustible and non-corrosive in accordance with ASTM E 84
- C. Panel Skins: Panel skins shall be Class A rated (except Wood Veneer and High Pressure Laminate) in accordance with ASTM E 84. Panel skin material shall consist of (select):
  - 1. Standard Acoustical Substrate: consisting of structural acoustical substrate pressure laminated to both sides of the steel frame to form a rigid, unitized and structural panel.
  - 2. Optional Steel Skins: consisting of minimum 22-gauge tension-leveled galvaneal steel, pressure laminated to a structural acoustical backer and too the steel frame to form a rigid, unitized and structural panel.
  - 3. Optional Wood Veneer: consisting of particle board core covered with wood veneer and pressure laminated to both sides of the steel frame to form a rigid, unitized and structural panel.
  - 4. Optional High Pressure Laminate: consisting of gypsum board core covered with general purpose plastic laminate and Phenolic backer sheet, which is pressure laminated to both sides of the steel frame to form a rigid, unitized and structural panel.
- D. Panel Hinges: Panel hinges shall be architectural grade, full leaf butt hinges. Hinges shall be attached to the steel frame of the panel and reinforced with a steel backer plate.
- E. Panel Weight: Maximum panel weight shall be 6.5 - 11.0 lb./ft.<sup>2</sup> (32 - 54 kg/m<sup>2</sup>) depending on STC rating, size and options selected.

**2.03 OPERATION**

A. Operation shall be Hinged Pairs, consisting of panels hinged together in groups of two (2), unless otherwise specified. Panels shall be top-supported by one (1) carrier in each panel.

**2.04 STACK ARRANGEMENTS**

- A. Stack Type: Panel storage configuration shall be Center Stack, consisting of panels stacked on center to the wall's installed position.
- B. Stack Quantity: Panels shall be stored at (select):
  - 1. Standard One End: on one end of the wall run.
  - 2. Optional Both Ends: on both ends of the wall run.

**2.05 FINISHES**

A. Finish Material Type: Panel finish material shall be Class A (except wood veneer and high pressure laminate) rated in accordance with ASTM E 84, consisting of (select):

- 1. Vinyl: consisting of Type II, reinforced vinyl weighing 21 oz./ lin. yd. (651 g/lin. m). Upgrade Vinyl shall meet or exceed CCC-W- 408A and CFFA-W-101-D quality standards.
- 2. Optional Upgrade Fabric: consisting of fade and tear resistant fabric that resists water-based stains weighing 13 oz./lin. yd. (403 g/lin. m).
- 3. Optional Basics Carpet: consisting of acoustically absorbent, non-woven needle punch fibers fused to prevent fraying and unraveling of material weighing 28.5 oz./lin. yd. (884 g/lin. m). Basics Carpet shall achieve a minimum NRC rating of .20 (applied over gypsum substrate) in accordance with ASTM C 423.
- 4. Optional Upgrade Carpet: consisting of acoustically absorbent, non-woven needle punch fibers fused to prevent fraying and unraveling of material weighing 23 oz./lin. yd. (713 g/lin. m). Upgrade Carpet shall achieve a minimum NRC rating of .25 (applied over gypsum substrate) in accordance with ASTM C 423.
- 5. Optional Wood Veneer: consisting of unfinished flat cut wood veneer laminated to 1/2" [12.7] thick particle board core. Veneer shall be book / running matched within a panel. (Notes: Optional Class "A" rated particle board is available. Acoustical substrate STC ratings apply for Wood Veneer panel construction.)
- 6. Optional High Pressure Laminate: consisting of gypsum board core covered with general purpose plastic laminate and Phenolic backer sheet, which is pressure laminated to both sides of the steel frame to form a rigid, unitized and structural panel. (Note: Acoustical substrate STC ratings apply for High Pressure Laminate panel construction.)
- 7. Optional Unfinished: consisting of panels with exposed acoustical substrate or steel skins for field applied wallcovering or painting

**MODEL 2030 PRODUCT GUIDE**  
*Optional Steel Skin Construction*

STC Rating	Panel Thickness (nominal)	Max. Panel Weight lb./ft. <sup>2</sup>	Maximum Panel Height	Maximum Wall Width
49	3" [76]	8.0 [39kg/m <sup>2</sup> ]	16'-2" (4.93 m)	Unlimited
51	3" [76]	11.0 [53.7 kg/m <sup>2</sup> ]	16'-2" (4.93 m)	Unlimited

\*Note: Optional Wood Veneer or High Pressure Laminate only available as Acoustical Substrate Construction

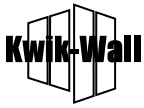
**MODEL 2030 PRODUCT GUIDE**  
*Standard Acoustical Substrate Construction*

STC Rating	Panel Thickness (nominal)	Max. Panel Weight lb./ft. <sup>2</sup>	Maximum Panel Height	Maximum Wall Width
42	3" [76]	6.5 [32 kg/m <sup>2</sup> ]	14'-2" (4.32 m)	Unlimited
45	3" [76]	7.5 [36.6 kg/m <sup>2</sup> ]	14'-2" (4.32 m)	Unlimited
49	3" [76]	9.0 [44 kg/m <sup>2</sup> ]	14'-2" (4.32 m)	Unlimited
50	3" [76]	9.0 [44 kg/m <sup>2</sup> ]	14'-2" (4.32 m)	Unlimited

\* Estimated panel weights are for intermediate panels. Weight may vary due to substrate, size, or function of panel. Add 105 lbs [47kg] for pass door. Add 6 lbs [3kg] per lin ft height for expanders. Add 3.5 to 8 lbs [1.6 to 3.6kg] per lin ft for track.

\*\*Standard features can be modified, contact your Kwik-Wall distributor for the features you want.

\*\*\* Horizontal Splice: Heights over 14'2" [4.31] with Acoustical Substrate require a structural splice.



- B. Finish Material Supplier: Finish material shall be (select):
1. Standard Factory Supplied: from manufacturer's standard selection of finish materials, as specified.
  2. Optional Customer Supplied: from customer's selection of finish material, by others, and as approved by KWIK-WALL Company
- C. Finish Material Application: Finish material shall be (select):
1. Standard Factory Applied: by operable wall manufacturer. Customer supplied finish material samples must be submitted to manufacturer for testing and approval prior to acceptance and application.
  2. Optional Field Applied: by others.

## 2.06 PERIMETER TRIM AND SEALS

- A. Vertical Trim and Seals: Panels shall have vertical astragals containing flexible vinyl seals and incorporate reversible tongue-and-groove-type configurations for positive interlocking with adjacent panels. Vertical astragal type shall be (select):
1. Standard Trimless Astragal: consisting of an aluminum extrusion with tongue-and-groove-type vertical astragals. Vertical trim shall not be permitted on the panel faces, resulting in a minimal groove appearance between adjacent panels.
  2. Optional Cap-type Astragal: consisting of an aluminum extrusion with tongue-and-groove-type vertical astragals for encapsulating and protecting the finish material and substrate along the vertical edge of the panel.
- B. Horizontal Top Trim and Seals: Top seals shall consist of flexible vinyl sweep seals installed on both sides of the panel. The seals shall consist of a compressed bulb between two (2) fingers of vinyl. Top seal type shall be (select):
1. Standard Fixed Top Seals: consisting of continuous-contact flexible vinyl, sealing against the bottom flange of the over head track.
  2. Optional Operable Top Seals: consisting of an edge-activated seal using a removable wrench as supplied by manufacturer. Top seals shall provide a maximum 1/2" [13] of travel.
- C. Horizontal Bottom Trim and Seals: Bottom seals shall consist of multiple fingers of flexible vinyl for positive contact and sealing with various floor surfaces. Bottom seal type shall be (select):
1. Standard Operable Bottom Seals: consisting of an edge-activated seal using a removable wrench as supplied by manufacturer. Bottom seals shall provide 2" [50.8] of nominal travel.
  2. Optional Adjustable Bottom Seals: consisting of field adjustable, continuous-contact vinyl sweep seals with 2" [50.8] nominal height with 3/4" [19] of nominal adjustment.
  3. Optional Automatic Bottom Seals: consisting of self activated seals providing 2" [50.8] of nominal travel.
- D. Horizontal and Vertical Panel Trim: All exposed panel trim and hinges shall be of one (1) similar color (select):
1. Dark Bronze
  2. Grey

## 2.07 CLOSURE SYSTEMS

- A. Initial Closure System: The lead panel (the first panel exiting the stack) shall form a seal vertically against a rigid wall surface, as accomplished by a (select):
1. Standard Bulb Seal: consisting of continuous-contact, flexible vinyl bulb seals installed along the vertical edge of the lead panel for positive compression against a rigid wall surface.
  2. Optional Fixed Starter Jamb: consisting of an aluminum extrusion, which is permanently mounted to a structural wall surface. The Fixed Starter Jamb shall incorporate a tongue-and-groove-type vertical astragal for positive interlocking with the lead panel.
  3. Optional Adjustable Starter Jamb: consisting of an aluminum extrusion which is permanently mounted to a structural wall surface and is field-adjustable to compensate for out-of-plumb conditions of the fixed wall. The Adjustable Starter Jamb shall incorporate a tongue-and-groove-type vertical astragal for positive interlocking with the lead panel.
- B. Final Closure System: The final closure panel (the last panel exiting the stack) shall form a seal vertically against a rigid wall surface. The type of final closure panel shall be (select):
1. Standard Expander Panel Closure: consisting of an expander mechanism with a nominal 5" [127] of travel, activated from the face of the panel using a removable wrench as supplied by manufacturer. The Expander Panel shall be equipped with an adjustable bottom seal (standard) or (optional) operable bottom seal, and a flush pull handle.
  2. Optional Hinged Panel(s) Closure: consisting of a panel hinged permanently and directly to a structural wall surface. The Hinged Panel(s) shall be equipped with an adjustable bottom seal, a lap-type extrusion for sealing against its adjacent panel (standard) or (optional) expander mechanism with a nominal 5" [127] of travel, activated from the face of the panel using a removable wrench, and a flush pull handle on each side of the panel.
  3. Optional Communicating Panel Closure: consisting of a full-sized panel hinged permanently and directly to a structural wall surface. The Communicating Panel shall function as a full height pass door (maximum panel size: 3'-0" (.91 m) wide x 10'-2" (3.10 m) high), with an adjustable bottom seal, a lap-type extrusion for sealing against its adjacent panel, and a flush pull handle on each side of the panel.
  4. Optional Lap Closure: consisting of a pair of panels equipped with bulb seals for sealing against a rigid wall surface along one (1) vertical edge, and a lap-type extrusion that overlaps with the adjacent panel on the opposite edge. The Lap Closure panels shall be equipped with adjustable bottom seals, and a flush pull handle.
  6. Optional Single Panel Expander Closure: consisting of an expander mechanism with a nominal 5" [127] of travel, activated from the face of the panel using a removable wrench. The Single Panel Expander shall be capable of rotating 360° and shall be equipped with an adjustable bottom seal (standard) or (optional) operable bottom seal, and a flush pull handle.
  7. Optional Pocket Door(s): (see "2000 Series Pocket Door" brochure for complete details and specifications).
- Note: Optional Automatic Bottom Seal is not available in conjunction with Final Closure panel(s).



**2.08 ACOUSTICAL PERFORMANCE**

- A. Certification: The operable wall shall have been tested in an independent acoustical testing laboratory in accordance with ASTM E 90 and ASTM E 413 test procedures.
- B. STC Rating: The operable wall acoustical performance rating shall be based on (select):
  1. Standard Acoustical Substrate: with a standard rating of 49 STC, or optional ratings of 42 STC, 45 STC or 50 STC.
  2. Optional Steel Skins: with optional ratings of 49 STC or 51 STC.
 (Note: Not available with optional Wood Veneer or High Pressure Laminate.)

**2.09 PANEL ACCESSORIES**

- A. Accessories including Pass Doors; Single or Double, Concealed Door Closures, Room Viewers, Exit Signs, Dry Marker Writing Surfaces, Recessed Eraser Trays, Vision Lites, Tack Surfaces and Pocket Doors shall be compatible with other accessories and options, furnished and installed by KWIK-WALL's authorized distributor as noted on submitted shop drawings.

**2.10 TRACK SYSTEMS**

- A. Track Type: The operable wall track system shall be (select):
  1. Standard Hinged Pairs Aluminum Track: extruded from structural aluminum alloy, which prohibits deterioration caused by rust or corrosion. The aluminum track shall have a durable anodized clear satin finish, which resists color fading and flaking. The track shall utilize grooves and interlocking steel pins for positive alignment of adjacent track sections. The track joints shall be reinforced overhead by a heavy-duty steel bracket made of hot-rolled, 3/8" [10] thick plate steel. Aluminum track shall include an integral nut slot to accept a hardened steel square nut to facilitate attachment of each steel all-rod and splice brackets to the overhead structural support.
  2. Optional Hinged Pairs Steel Track: consisting of roll formed, low carbon steel, .215" [5] thick. The steel track shall have a durable powder-coated, off-white finish, which resists color fading and flaking. The steel track shall be reinforced overhead by heavy duty steel brackets made of hot-rolled, 3/8" [10] thick plate steel, as required for attaching threaded all-rod to the overhead structural support and for aligning track sections at each splice joint.

- B. Track Size: The track size shall be (selected from Track and Carrier Selection Chart - refer to chart below):
  1. Type 425 Hinged Pairs Aluminum Track: certified to be capable of supporting up to 525 lb. (238 kg) of total live load weight per panel.
  2. Type 850 Hinged Pairs Aluminum Track: certified to be capable of supporting up to 850 lb. (386 kg) of total live load weight per panel.
  3. Type 850 Hinged Pairs Steel Track: certified to be capable of supporting up to 850 lb. (386 kg) of total live load weight per panel.

**2.11 CARRIER SYSTEMS**

- A. Carrier Type: Each Hinged Pair panel shall be top supported by one (1) carrier utilizing a 5/8" [16] diameter pendant bolt. The carrier type shall be (select):
  1. Type 425 Polymer Tire Carrier: consisting of four (4) permanently-lubricated, precision ball bearing steel wheels with high strength polymer tires, as required for smooth and quiet operation.
  2. Type 850 Polymer Tire Carrier: consisting of eight (8) permanently-lubricated, precision ball bearing steel wheels with high strength polymer tires, as required for smooth and quiet operation.
  3. Type 850 Steel Wheel Carrier: consisting of four (4) permanently-lubricated, precision ground ball bearing polished steel wheels, as required for ease of panel movement.
- B. Carrier Size: The carrier size shall be (select from Track and Carrier Selection Chart - refer to chart below):
  1. Type 425 Hinged Pairs Polymer Tire Carrier: certified to be capable of supporting up to 525 lb. (238 kg) of total live load weight per panel.
  2. Type 850 Hinged Pairs Polymer Tire Carrier: certified to be capable of supporting up to 850 lb. (386 kg) of total live load weight per panel.
  3. Type 850 Hinged Pairs Steel Wheel Carrier: certified to be capable of supporting up to 850 lb. (386 kg) of total live load weight per panel.

<b>SERIES 2000 - TRACK AND CARRIER SELECTION CHART</b>											
Panel Skin Type	Maximum Panel Weight lb./ft <sup>2</sup>	STC Rating	Panel Fabrication Height*								Not Available
			Up to 8' - 2" (2.49 m)	Up to 9' - 2" (2.79 m)	Up to 10' - 2" (3.10 m)	Up to 11' - 2" (3.40 m)	Up to 12' - 2" (3.71 m)	Up to 13' - 2" (4.01 m)	Up to 14' - 2" (4.32 m)	Up to 15' - 2" (4.62 m)	
Acoustical Substrate	6.5 (32 kg/m <sup>2</sup> )	42									
Acoustical Substrate	8.5 (41 kg/m <sup>2</sup> )	45									
Acoustical Substrate	9.0 (44 kg/m <sup>2</sup> )	49	<b>425 TRACK &amp; CARRIERS</b>								
Acoustical Substrate	9.0 (44 kg/m <sup>2</sup> )	50									
Steel Skin	10.9 (53 kg/m <sup>2</sup> )	49						<b>850 Track &amp; Carriers</b>			
Steel Skin	11.0 (53 kg/m <sup>2</sup> )	51									

\*\* Estimated panel weights are for intermediate panels. Weight may vary due to substrate, size, or function of panel. Add 105 lbs for pass door. Add 6 lbs per lin ft height for expanders. Add 3.5 to 8 lbs per lin ft for track. Depending on panel options selected, KWIK-WALL may require 850 Track & Carriers.

## 2.12 SUSPENSION SYSTEMS

- A. Mounting Systems: The track shall be supported by (select):
1. Standard Drop Rod Mount: consisting of adjustable rods of grade 2, 3/8" [10] diameter threaded steel all rod provided with 3/8" [10] serrated steel nuts.
  2. Optional Direct Mount: consisting of 3/8" [10] x 3" [76] lag screws for attachment to an overhead structural (wood) support. (Direct mount track installations should not exceed 425 lb. (193 kg) of panel weight).
  3. Optional Drop Rod Bracket Mount: consisting of 3/8" [10] thick steel brackets mounted to top of track and supported with adjustable rods of grade 2, 3/8" [10] diameter threaded steel all-rod provided with 3/8" [10] serrated steel nuts.

## 3.01 INSPECTION

- A. Proper and complete preparation of the operable wall system opening shall be by others in accordance with the architectural drawings, KWIK-WALL's shop drawings and ASTM E 557. Any deviation of the actual opening from these specifications shall be called to the attention of the architect prior to the installation of the operable wall.
- B. Deficiencies in the operable wall opening shall be corrected by others prior to installation of the operable wall.

## 3.02 INSTALLATION

- A. The operable wall system shall be installed by KWIK-WALL's authorized distributor.
- B. The operable wall shall be installed in accordance with KWIK-WALL's written instructions, shop drawings and ASTM E 557 installation guidelines.

## 3.03 ADJUSTING AND CLEANING

- A. The operable wall panels and track system shall be adjusted and cleaned in accordance with KWIK-WALL's written instructions.

## 3.04 PROTECTION

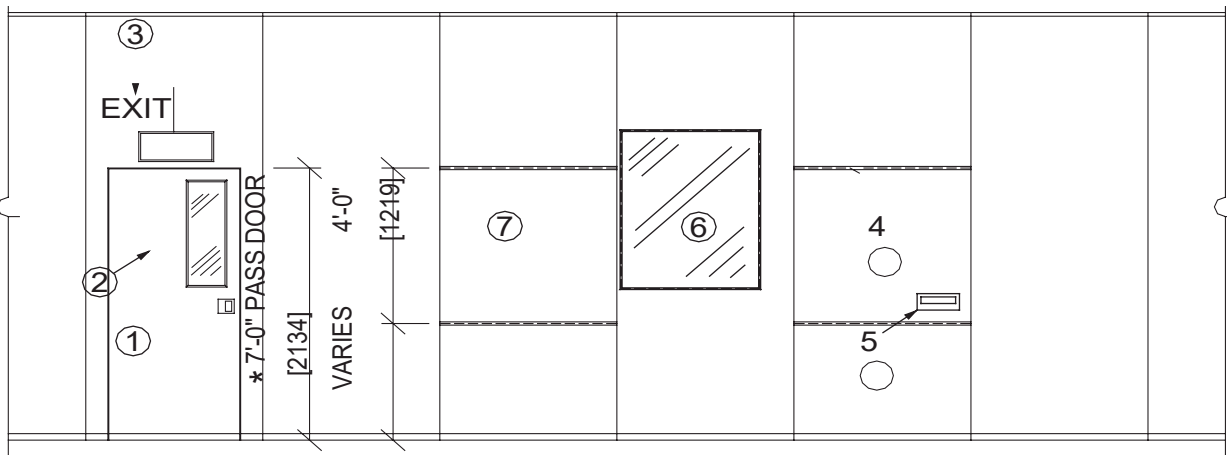
- A. The operable wall panels shall be stored in the stacked (retracted) position prior to acceptance by the owner's representative.

## 3.05 DEMONSTRATION

- A. KWIK-WALL's authorized distributor shall demonstrate proper operation and explain proper and necessary maintenance requirements of the operable wall system to the owner's representative.

## OPTIONS AND ACCESSORIES

KWIK-WALL offers a full complement of accessories for customizing any operable wall system to meet the specific needs of the most demanding project.



### ACCESSORIES

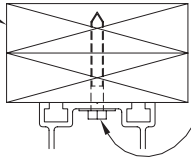
- |   |                            |
|---|----------------------------|
| 1. Pass Door (Single shown, double available) | 5. Recessed Eraser Tray    |
| 2. Pass Door Vision Lite                      | 6. Panel Vision Lite       |
| 3. Exit Sign                                  | 7. Tack Surface            |
| 4. Writing Surface                            | 8. Pocket Door (Not shown) |

#### Notes:

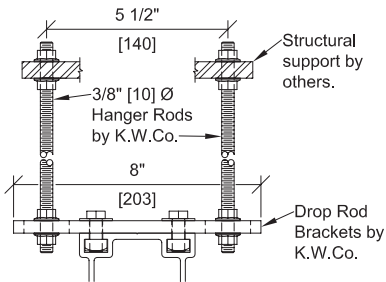
1. \* 7' - 8" (2.34m) minimum panel fabrication height required.
2. For complete specifications and details of KWIK-WALL Accessories, please visit our website at [www.kwik-wall.com](http://www.kwik-wall.com).



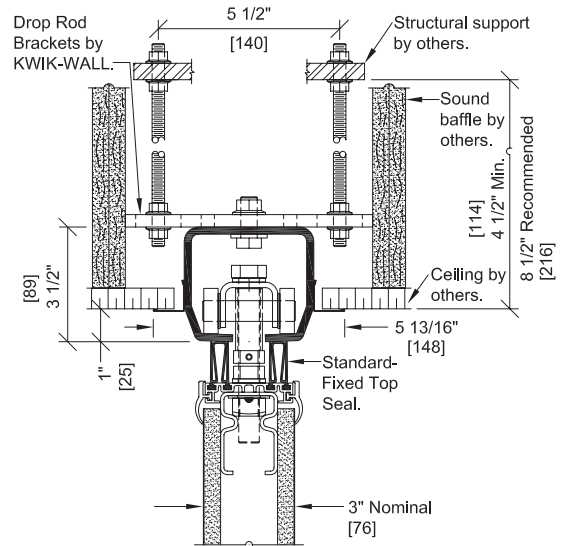
Level wood header by others.  
3/8" [9.5] x 3" [76] Lag Screws  
w/ Flat Washers by K.W.Co.



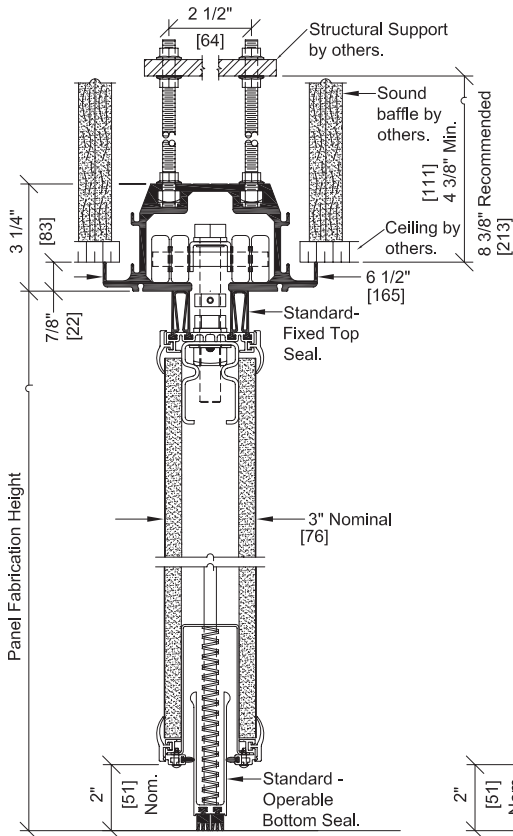
**Optional Direct Mount**



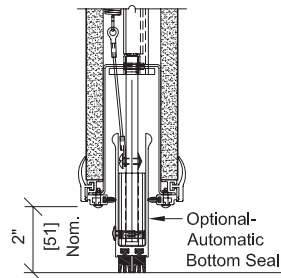
**Optional Drop Rod Bracket Mount**



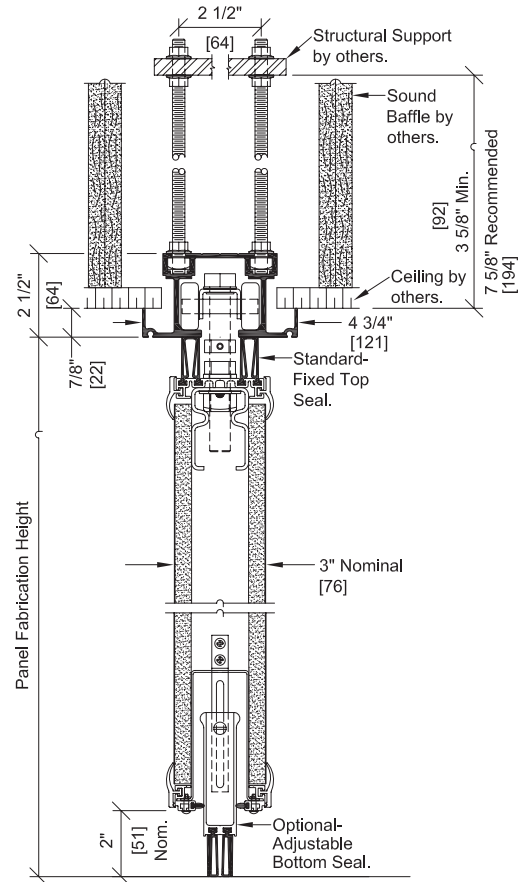
**850 Hinged Pairs Steel Track and Carrier**



**850 Hinged Pairs Aluminum Track and Carrier**



**Automatic Bottom Seal**



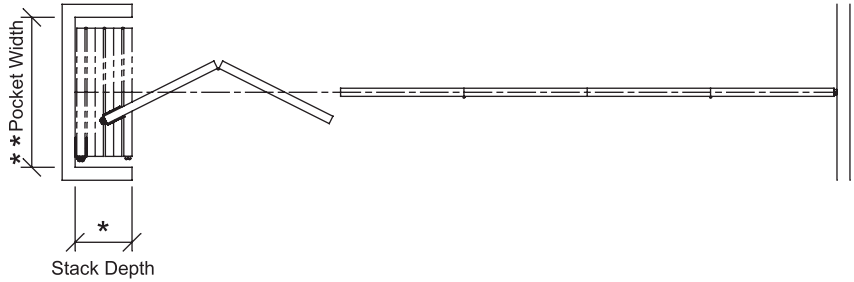
**425 Hinged Pairs Aluminum Track and Carrier**

**Notes:**

1. Optional automatic bottom seal is not available with final closure panel(s).

### Standard Center Stack

Panels are conveniently stored at one or both ends and stacked on-center to the wall's installed position.



### Stack Depth\*

The overall depth of the stack area, as required for panel storage, is dictated by the total number of panels in the wall system. KWIK-WALL's Model 2030 - Steel Reinforced panels require an average stack depth of 3 1/2" [89] per panel. To determine the stack depth, calculate as follows:

#### Number of Panels x 3 1/2" [89]

\*Note: Additional stack depth is required for wall systems containing the following type of panels:

- Expander Panel Closure or Pass Door Panel: 3/4" [19]
- Hinged Panel(s) Closure: 4" [102]
- Pocket Door(s): 6" [152]

\*\*For wall systems that include Pocket Doors, please reference KWIK-WALL's "2000 Series Pocket Door" brochure for pocket layout dimensions and applications.

### Pocket Width\*\*

The width of the pocket is determined by the widest panel in the wall run. For specification purposes, assume the widest panel is 4'-0" (122 cm) maximum. Wall systems that utilize Automatic type bottom seals will require extra pocket width to allow clearance for the actuator that protrudes from the bottom of the lead panel. Pocket width may be calculated as follows:

*If Adjustable or Operable Bottom Seals are specified:*

#### **Widest Panel + 7" [178]**

(allows 3 1/2" [89] for hand clearance on each side)

*If Automatic Bottom Seals are specified:*

#### **Widest Panel + 10" [254]**

(for actuator clearance on one side)

plus

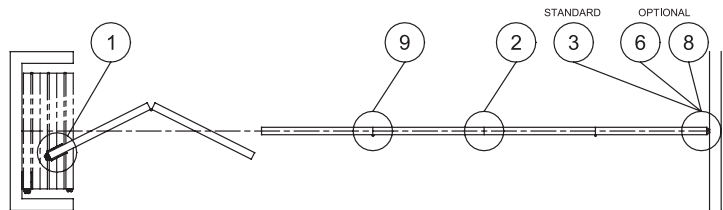
#### **3 1/2" [89]**

(for hand clearance on the other side)

## FINAL CLOSURE SYSTEM

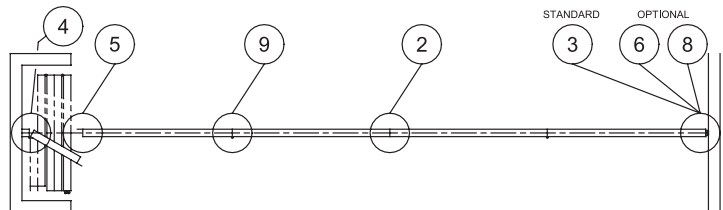
### Standard Expander Panel Closure

The final closure panel is equipped with an expander closure located on the vertical edge of the panel that mechanically telescopes outward to create a positive contact seal with a rigid wall, pocket door or jamb. The expander closure is activated by inserting a wrench into an escutcheon plate located on the panel face. The expander panel is equipped with a flush pull handle and an adjustable bottom seal (standard) or (optional) operable bottom seal.



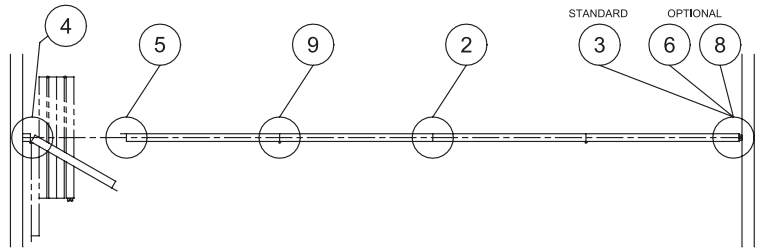
### Optional Hinged Panel Closure (Single or Double)

This final closure configuration is accomplished by a (single) half panel which is hinged permanently and directly to a structural wall (as shown at right). The double version includes a second panel that is hinged to the half panel. The closure panel(s) features an adjustable bottom seal(s) and includes a flush pull handle on each side of the panel.



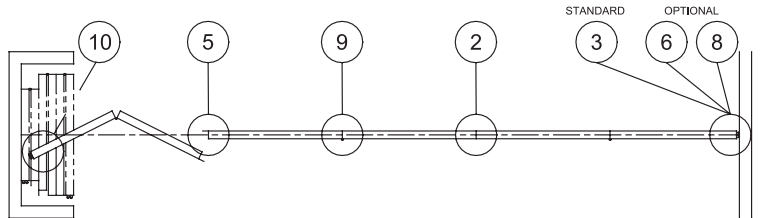
### Optional Communicating Panel Closure

This final closure panel is a full-sized panel (maximum 3'-0" [914] wide x 10'-2" [3110] high) which is hinged permanently and directly to a structural wall. The Communicating panel functions as a full height pass door, incorporates an adjustable bottom seal and includes a flush pull handle on each side of the panel.



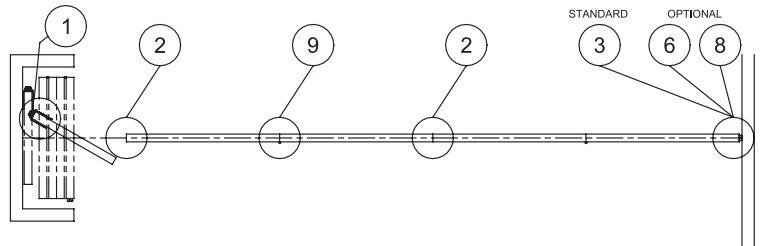
### Optional Lap Panel Closure

The final closure is accomplished by two (2) panels equipped with bulb seals for sealing against a rigid wall surface on one (1) side, and a lap-type extrusion that overlaps with the adjacent panel on the opposite side. The lap closure panel is equipped with adjustable bottom seals and includes a flush pull handle.



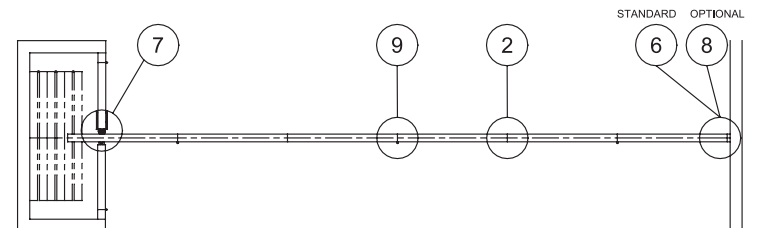
### Optional Single Panel Expander Closure

The final closure panel is equipped with an expander mechanism in the same way as the more common expander panel. The single panel expander shall be center hung and capable of rotating 360° and, is equipped with an adjustable bottom seal (standard) or (optional) operable bottom seal and is used specifically with hinged pairs operation, and includes a flush pull handle. (Maximum panel height is 12'-2" [3710]).

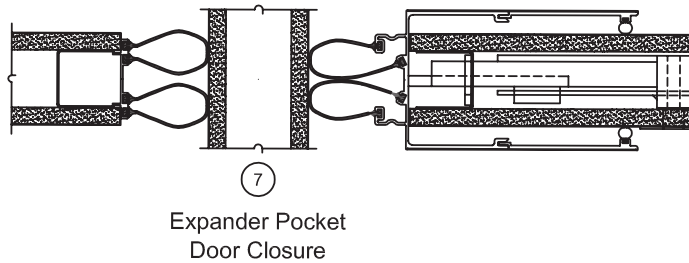
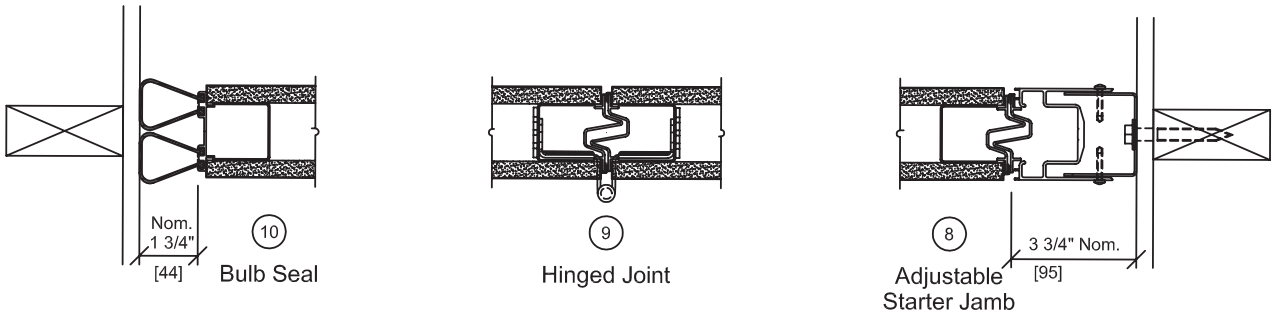
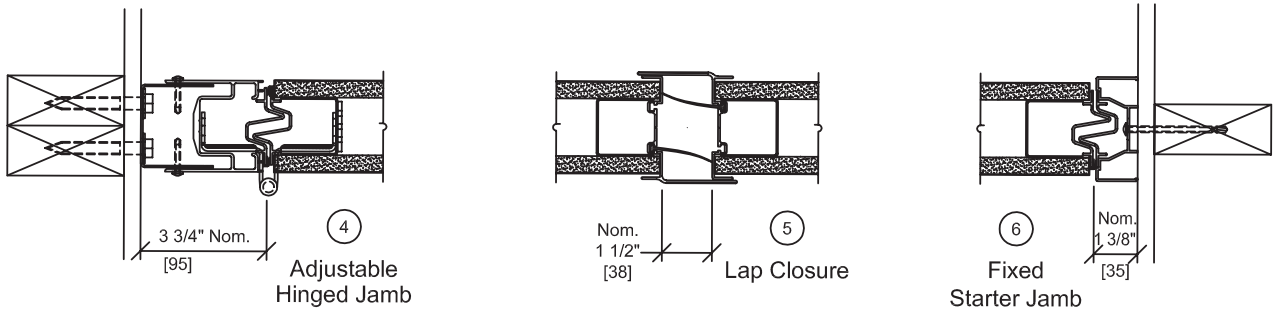
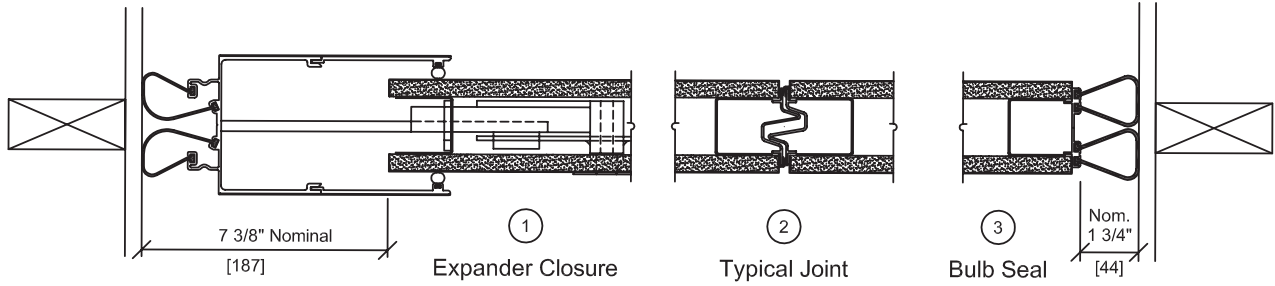


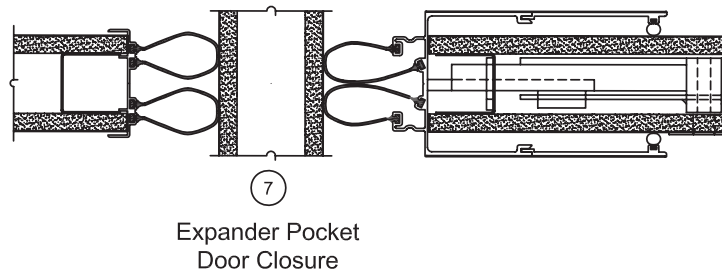
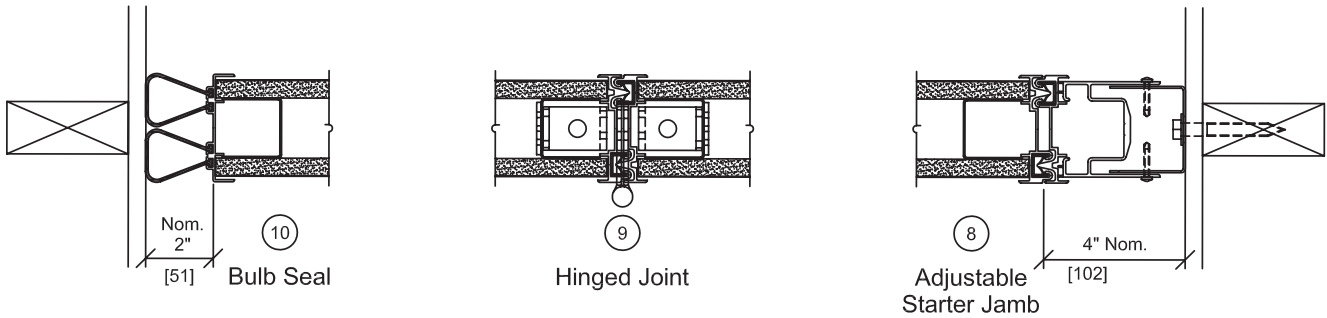
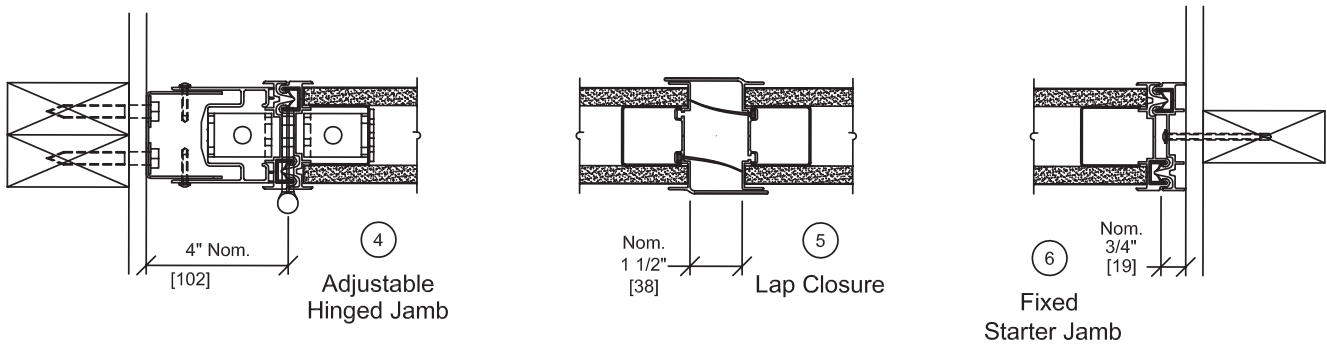
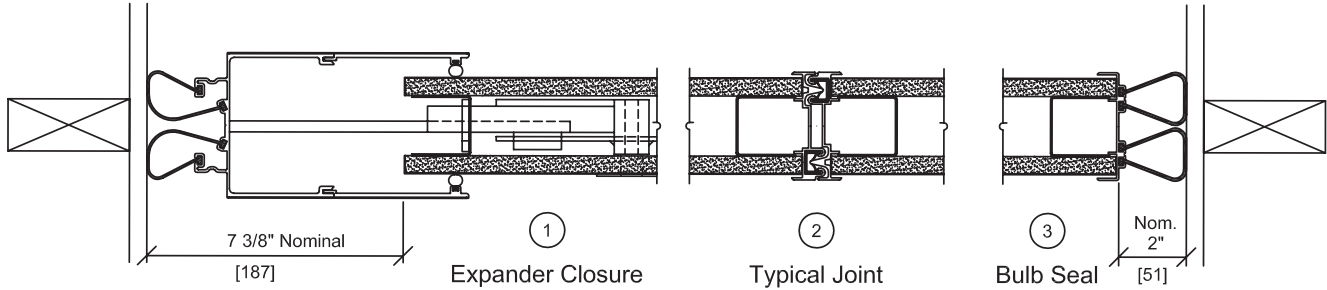
### Optional Double Pocket Doors with Expander Closure

The pocket door is equipped with an expander mechanism in the same way as the more common expander panel. Rather than being located on a wall panel, the expander saddle is integrated into a pocket door panel. The saddle expander will be fully retracted with a pair of bulb seals compressed against the last panel exiting the stack. The pocket doors are provided with fixed bottom seals as a factory standard and includes a foot bolt and flush pull handle.



NOTE: Horizontal details for numbers 1 - 10 referenced above can be found on Pages 10 and 11.





KWIK-WALL Company warrants each operable wall panel and its component parts to be free from defects in material and workmanship for a period of five (5) years from date of delivery to the original purchaser, when installed by an authorized KWIK-WALL distributor. KWIK-WALL also warrants the fixed top seals, track, carriers, and its component parts to be free from defects in material and workmanship for a period of ten (10) years. The Model 3050 electric wall because of its special track and carrier system will continue to carry the standard five (5) year warranty for all components. KWIK-WALL Company reserves the rights to have authorized personnel inspect any part alleged to be defective and to refuse any returned material unless the return was previously authorized by KWIK-WALL.

This warranty does not apply to any damage or deterioration caused by abuse or failure to provide reasonable and necessary maintenance. All field applied finishes, accessories or product modifications are specifically excluded under this warranty. KWIK-WALL's liability hereunder is limited to the replacement of any panel or component part found to be defective. Labor charges are the responsibility of the customer.

In order to keep the warranty valid, routine maintenance must be performed in accordance with manufacturer's specifications on the operable wall system. A maintenance log must be maintained indicating dates, type of service performed and the certified Kwik-Wall distributor who performed the service.

**KWIK-WALL SHALL NOT BE LIABLE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES. ALL OTHER WARRANTIES EXPRESSED OR IMPLIED INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY ARE HEREBY EXPRESSLY EXCLUDED.**

Some states do not allow the exclusion or limitation of consequential or incidental damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights, and you may have other rights, which vary from state to state.

Note:

Due to ongoing research and development, some variation may occur in product specifications and design. Please refer to your actual KWIK-WALL shop drawing(s) for exact product dimensions and specifications.

***Distributed By:***

