ADDENDUM NO. 1

TO: PLANS AND SPECIFICATIONS FOR STATE OF MISSOURI

Joplin Community Supervision Center
Joplin, MO
PROJECT No.: C2512-01

Bid Opening Date is: 1:30 PM, THURSDAY, NOVEMBER 12TH, 2026

Bidders are hereby informed that the Construction Plans and/or Specifications are modified as follows:

SPECIFICATION CHANGES:

1. Section 000110 – Table of Contents
   a. ADD Section 047200 – Cast Stone Masonry
   b. REMOVE Section 047300 – Manufactured Stone Masonry

2. Section 000115 – List of Drawings
   a. REMOVE AND REPLACE section in its entirety

3. Section 047200 – Cast Stone Masonry
   a. ADD section.

4. Section 047300 – Manufactured Stone Masonry
   a. DELETE section in its entirety.

5. Section 114000 – Foodservice Equipment
   a. REMOVE AND REPLACE section in its entirety

DRAWING CHANGES:

1. SHEET G-001
   a. REMOVE AND REPLACE Sheet in its entirety

2. SHEET S-102
   a. REMOVE AND REPLACE Sheet in its entirety

3. SHEET S-502
   a. REMOVE AND REPLACE Sheet in its entirety

4. SHEET S-503
   a. REMOVE AND REPLACE Sheet in its entirety

5. SHEET MEP-101
   a. REMOVE AND REPLACE Sheet in its entirety.

6. SHEET MEP-103
   a. REMOVE AND REPLACE Sheet in its entirety.

7. SHEET M-101
    a. REMOVE AND REPLACE Sheet in its entirety.

8. SHEET M-102
    a. REMOVE AND REPLACE Sheet in its entirety.

9. SHEET M-203
    a. REMOVE AND REPLACE Sheet in its entirety.

10. SHEET M-204
    a. REMOVE AND REPLACE Sheet in its entirety.

11. SHEET M-205
    a. REMOVE AND REPLACE Sheet in its entirety.

12. SHEET M-403
    a. REMOVE AND REPLACE Sheet in its entirety.

13. SHEET M-501
    a. REMOVE AND REPLACE Sheet in its entirety.

14. SHEET P-101
    a. REMOVE AND REPLACE Sheet in its entirety.

15. SHEET P-102
    a. REMOVE AND REPLACE Sheet in its entirety.

16. SHEET P-201
    a. REMOVE AND REPLACE Sheet in its entirety.

17. SHEET P-302
    a. REMOVE AND REPLACE Sheet in its entirety.

18. SHEET E-201
    a. REMOVE AND REPLACE Sheet in its entirety.

19. SHEET E-401
    a. REMOVE AND REPLACE Sheet in its entirety.

20. SHEET E-501
    a. REMOVE AND REPLACE Sheet in its entirety.

21. SHEET E-701
    a. REMOVE AND REPLACE Sheet in its entirety.

22. SHEET E-702
    a. REMOVE AND REPLACE Sheet in its entirety.

23. SHEET T-101
    a. ADD Sheet in its entirety

24. SHEET T-201
    a. ADD Sheet in its entirety.

25. SHEET T-202
    a. ADD Sheet in its entirety.

GENERAL COMMENTS:

1. **The Pre-Bid Meeting will be October 27, 2026, at 10:00 AM, followed by a walk-through of the site.**
2. **Changes to, or clarification of, the bid documents are only made as issued in the addenda.**
3. **All correspondence with respect to this project must include the State of Missouri project number as indicated above.**
4. **Current Planholders list available online at: C2512-01 New Community Supervision Center :: State of Missouri Office of Administration**
5. **Prospective Bidders contact American Document Solutions, 1400 Forum Blvd Suite 1C, Columbia MO 65201, 573-446-7768 to order official plans and specifications.**
6. **All bids shall be submitted on the bid form without additional terms and conditions, modifications, or stipulations. Each space on the bid form shall be properly filled including a bid amount for the alternate. Failure to do so will result in rejection of the bid.**
7. **MBE/WBE/SDVE/HDVE participation requirements can be found in DIVISION 00. The MBE/WBE/SDVE/HDVE participation goals are 0%/0%/3%/3%, respectively. Only certified firms as of the bid opening date can be used to satisfy the MBE/WBE/SDVE/HDVE participation goals for this project. If a bidder is unable to meet a participation goal, a Good Faith Effort Determination Form must be completed. Failure to complete this process will result in rejection of the bid.**
8. **The Contractor shall pay not less than the prevailing hourly rate of wages for work of a similar character in the locality in which the work is performed, as determined by the Missouri Department of Labor and Industrial Relations. Bidders are to adhere to Prevailing Wage Hourly Rate of Wages, and the Department of Labor and Industrial Relations can be contacted to determine the applicable wage rate for the work on this project.**

ATTACHMENTS:

1. Specification Sections: 000115, 047200, 114000

2. Drawing Sheets: G-001, S-102, S-502, S-503, MEP-101, MEP-103, M-101, M-102, M-203, M-204, M-205, M-403, M-501, P-101, P-102, P-201, P-302, E-201,E-401, E-501, E-701, E-702, T-101,T-201, T-202

OCTOBER 13, 2026

END ADDENDUM NO. 1

SECTION 000115 – LIST OF DRAWINGS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract including General and Supplementary Conditions, Bid Form, and other Division 1 Specification Sections apply to this Section.

1.2 SUMMARY

A. This Section provides a comprehensive list of the drawings that comprise the Bid Documents for this project.

PART 2 - PRODUCTS (NOT APPLICABLE)

PART 3 - EXECUTION

3.1 LIST OF DRAWINGS

A. The following list of drawings is a part of the Bid Documents:

	TITLE	SHEET #	DATE	CAD #
1.	Cover Sheet	Sheet G-000	09/30/26	
2.	General Notes	Sheet G-001	09/30/26	
3.	General Notes	Sheet G-011	09/30/26	
4.	First Floor Code Footprint Plan	Sheet G-101	09/30/26	
5.	Partition Types & Details	Sheet G-111	09/30/26	
6.	Site Plan – Alternates	Sheet G-112	09/30/26	
7.	UL Fire Resistance Designs	Sheet G-121	09/30/26	
8.	UL Fire Resistance Designs	Sheet G-122	09/30/26	
9.	Overall Site Plan	Sheet C-100	09/30/26	
10.	Site Plan - North	Sheet C-101	09/30/26	
11.	Site Plan - South	Sheet C-102	09/30/26	
12.	Site Details	Sheet C-190	09/30/26	
13.	Site Details	Sheet C-191	09/30/26	
14.	Dimension Plan – North	Sheet C-200	09/30/26	
15.	Dimension Plan – South	Sheet C-201	09/30/26	
16.	Grading Plan – North	Sheet C-300	09/30/26	
17.	Grading Plan – South	Sheet C-301	09/30/26	
18.	Erosion Control Plan – Phase I	Sheet C-400	09/30/26	
19.	Erosion Control Plan – Phase II	Sheet C-401	09/30/26	
20.	Erosion Control Plan – Phase III	Sheet C-402	09/30/26	
21.	Erosion Control Plan Details	Sheet C-490	09/30/26	

22.	Utility Plan – North	Sheet C-500	09/30/26
23.	Sanitary Sewer Plan and Profile	Sheet C-510	09/30/26
24.	Water Plan and Profile	Sheet C-550	09/30/26
25.	Water Plan and Profile	Sheet C-551	09/30/26
26.	Water Plan and Profile	Sheet C-552	09/30/26
27.	Utility Details	Sheet C-590	09/30/26
28.	Utility Details	Sheet C-591	09/30/26
29.	Utility Details	Sheet C-592	09/30/26
30.	Drainage Area Map	Sheet C-600	09/30/26
31.	Storm Plan and Profile	Sheet C-610	09/30/26
32.	Storm Plan and Profile	Sheet C-611	09/30/26
33.	Storm Plan and Profile	Sheet C-612	09/30/26
34.	Storm Details	Sheet C-690	09/30/26
35.	Storm Details	Sheet C-691	09/30/26
36.	Title Sheet	Sheet C-700	09/30/26
37.	Sanitary Sewer Plan and Profile	Sheet C-710	09/30/26
38.	Sanitary Details	Sheet C-790	09/30/26
39.	Landscape Site Plan	Sheet L-101	09/30/26
40.	Landscape Enlargement Plan	Sheet L-111	09/30/26
41.	Landscape Details	Sheet L-121	09/30/26
42.	Landscape Details	Sheet L-122	09/30/26
43.	Landscape Details	Sheet L-123	09/30/26
44.	Landscape Details	Sheet L-124	09/30/26
45.	Architectural Site Plan	Sheet A-001	09/30/26
46.	Site Plan Details	Sheet A-011	09/30/26
47.	Overall First Floor Plan	Sheet A-101	09/30/26
48.	Overall First Floor FFE Plan	Sheet A-102	09/30/26
49.	Reflected Ceiling Plan	Sheet A-103	09/30/26
50.	Enlarged Floor Plans	Sheet A-111	09/30/26
51.	Enlarged RCP And Details	Sheet A-112	09/30/26
52.	Exterior Plan Details	Sheet A-121	09/30/26
53.	Overall Roof Plan	Sheet A-201	09/30/26
54.	Enlarged Roof Plan	Sheet A-211	09/30/26
55.	Exterior Elevations	Sheet A-301	09/30/26
56.	Exterior Elevations	Sheet A-302	09/30/26
57.	Overall Building Sections	Sheet A-401	09/30/26
58.	Overall Building Sections	Sheet A-402	09/30/26

59.	Wall Sections	Sheet A-411	09/30/26
60.	Wall Sections	Sheet A-412	09/30/26
61.	Wall Sections	Sheet A-413	09/30/26
62.	Section Details	Sheet A-421	09/30/26
63.	Section Details	Sheet A-422	09/30/26
64.	Door Schedule	Sheet A-501	09/30/26
65.	Glazing Elevations	Sheet A-511	09/30/26
66.	Interior Glazing Elevations	Sheet A-512	09/30/26
67.	Interior Frame/Jamb Details	Sheet A-521	09/30/26
68.	Exterior Frame/Jamb Details	Sheet A-522	09/30/26
69.	First Floor Finish Plan	Sheet A-601	09/30/26
70.	Interior Finish Material Legend	Sheet A-611	09/30/26
71.	Interior Elevations	Sheet A-621	09/30/26
72.	Interior Elevations	Sheet A-622	09/30/26
73.	General Interior Details	Sheet A-631	09/30/26
74.	Interior Details	Sheet A-632	09/30/26
75.	Interior Details	Sheet A-633	09/30/26
76.	Parameters and General Notes	Sheet S-001	09/30/26
77.	Parameters and General Notes	Sheet S-002	09/30/26
78.	Paramaters and Spec Insp.	Sheet S-003	09/30/26
79.	Structural Special Inspections	Sheet S-004	09/30/26
80.	Shelter General Notes	Sheet S-005	09/30/26
81.	Foundation Plan	Sheet S-101	09/30/26
82.	Roof Framing Plan	Sheet S-102	09/30/26
83.	Partial Plans	Sheet S-201	09/30/26
84.	Partial Plans and Details	Sheet S-202	09/30/26 1
85.	Foundation Details	Sheet S-300	09/30/26
86.	Foundation Details	Sheet S-301	09/30/26
87.	CMU Foundation Details	Sheet S-302	09/30/26
88.	Foundation Details	Sheet S-303	09/30/26
89.	Storm Shelter CMU Walls	Sheet S-400	09/30/26
90.	Typical CMU Details	Sheet S-401	09/30/26
91.	Braced Frame Elevations	Sheet S-500	09/30/26
92.	Braced Frame Details	Sheet S-501	09/30/26
93.	Framing Sections	Sheet S-502	09/30/26
94.	Framing Sections	Sheet S-503	09/30/26
95.	Framing Sections	Sheet S-504	09/30/26

96.	Framing Sections	Sheet S-505	09/30/26
97.	MEP Schedules	Sheet MEP-101	09/30/26
98.	MEP Schedules	Sheet MEP-102	09/30/26
99.	MEP SCHEDULES	Sheet MEP-103	09/30/26
100.	Roof Plan-MEP	Sheet MEP-201	09/30/26
101.	First Floor – Mechanical	Sheet M-101	09/30/26
102.	First Floor – Mechanical Piping	Sheet M-102	09/30/26
103.	Mechanical Details	Sheet M-201	09/30/26
104.	Mechanical Details	Sheet M-202	09/30/26
105.	Mechanical Details	Sheet M-203	09/30/26
106.	Mechanical Details	Sheet M-204	09/30/26
107.	Mechanical Details	Sheet M-205	09/30/26
108.	Mechanical Gen. Notes	Sheet M-301	09/30/26
109.	Mechanical Controls	Sheet M-401	09/30/26
110.	Mechanical Controls	Sheet M-402	09/30/26
111.	Mechanical Controls	Sheet M-403	09/30/26
112.	Mechanical Controls	Sheet M-404	09/30/26
113.	Kitchen Hood Drawings	Sheet M-501	09/30/26
114.	Kitchen Hood Drawings	Sheet M-502	09/30/26
115.	Kitchen Hood Drawings	Sheet M-504	09/30/26
116.	Kitchen Hood Drawings	Sheet M-505	09/30/26
117.	First Floor Plumbing	Sheet P-101	09/30/26
118.	Enlarged Floor Plans Plumbing	Sheet P-102	09/30/26
119.	Plumbing Vent & Waste Risers	Sheet P-201	09/30/26
120.	Plumbing Details	Sheet P-301	09/30/26
121.	Plumbing Details	Sheet P-302	09/30/26
122.	Plum Notes, Sched, Symbols	Sheet P-401	09/30/26
123.	First Floor Fire Protection	Sheet FP-101	09/30/26
124.	Fire Protection Details	Sheet FP-102	09/30/26
125.	Site Plan Electrical	Sheet E-101	09/30/26
126.	First Floor Power	Sheet E-201	09/30/26
127.	First Floor Lighting	Sheet E-301	09/30/26
128.	First Floor Systems	Sheet E-401	09/30/26
129.	Electrical Details	Sheet E-501	09/30/26
130.	Electrical Details	Sheet E-601	09/30/26
131.	Electrical Schedules	Sheet E-701	09/30/26
132.	Electrical Schedules	Sheet E-702	09/30/26

133.	Elec Gen Notes, Sched, Symb	Sheet E-801	09/30/26
134.	First Floor – Technology	Sheet T-101	10/12/26
135.	Technology Details	Sheet T-201	10/12/26
136.	Technology Details	Sheet T-301	10/12/26

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END OF SECTION 000115

SECTION 04 72 00
CAST STONE MASONRY

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Architectural cast stone.

B. Architectural synthetic stone units.

1.02 RELATED REQUIREMENTS

A. Section 07 92 00 - Joint Sealants:

1.03 REFERENCE STANDARDS

A. ACI CODE-318 - Building Code Requirements for Structural Concrete and Commentary; 2019 (Reapproved 2022).

B. ASTM A123/A123M - Standard Specification for Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products; 2017.

C. ASTM A615/A615M - Standard Specification for Deformed and Plain Carbon-Steel Bars for Concrete Reinforcement; 2020.

D. ASTM A767/A767M - Standard Specification for Zinc-Coated (Galvanized) Steel Bars for Concrete Reinforcement; 2019.

E. ASTM A884/A884M - Standard Specification for Epoxy-Coated Steel Wire and Welded Wire Reinforcement; 2025.

F. ASTM A1064/A1064M - Standard Specification for Carbon-Steel Wire and Welded Wire Reinforcement, Plain and Deformed, for Concrete; 2024.

G. ASTM C33/C33M - Standard Specification for Concrete Aggregates; 2018.

H. ASTM C150/C150M - Standard Specification for Portland Cement; 2021.

I. ASTM C270 - Standard Specification for Mortar for Unit Masonry; 2019a, with Editorial Revision.

J. ASTM C494/C494M - Standard Specification for Chemical Admixtures for Concrete; 2019.

K. ASTM C642 - Standard Test Method for Density, Absorption, and Voids in Hardened Concrete; 2021.

L. ASTM C979/C979M - Standard Specification for Pigments for Integrally Colored Concrete; 2016.

M. ASTM C1364 - Standard Specification for Architectural Cast Stone; 2023.

1.04 SUBMITTALS

A. Product Data: Test results of cast stone components made previously by the manufacturer.

B. Shop Drawings: Include elevations, dimensions, layouts, profiles, cross sections, reinforcement, exposed faces, arrangement of joints, anchoring methods, anchors, and piece numbers.

C. Verification Samples: Pieces of actual cast stone components not less than 6 inches square, illustrating range of color and texture to be anticipated in components furnished for the project.

D. Manufacturer's Qualification Data: Documentation showing compliance with specified requirements.

1.05 QUALITY ASSURANCE

A. Manufacturer Qualifications:

1. A firm with a minimum of 5 years experience producing cast stone of types required for project.

2. Current producer member of the Cast Stone Institute or the Architectural Precast Association.
3. Adequate plant capacity to furnish quality, sizes, and quantity of cast stone required without delaying progress of the work.

B. Installer Qualifications: Company specializing in performing work of the type specified and with at least three years of documented experience.

1.06 DELIVERY, STORAGE, AND HANDLING

A. Deliver cast stone components secured to shipping pallets and protected from damage and discoloration. Protect corners from damage.

B. Number each piece individually to match shop drawings and schedule.

C. Store cast stone components and installation materials in accordance with manufacturer's instructions.

D. Store cast stone components on pallets with nonstaining, waterproof covers. Ventilate under covers to prevent condensation. Prevent contact with dirt.

E. Protect cast stone components during handling and installation to prevent chipping, cracking, or other damage.

F. Store mortar materials where contamination can be avoided.

G. Schedule and coordinate production and delivery of cast stone components with unit masonry work to optimize on-site inventory and to avoid delaying the work.

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. Specified Manufacturer: Caliber Cast Stone (O'Fallon, MO)
1. Other acceptable manufacturers with equivalent products to the specified manufacturer shall include:
   a. Advanced Cast Stone
   b. Continental Cast Stone, Inc.
   c. Heritage Cast Stone, Inc.
   d. Midwest Cast Stone.
2. Substitutions: 006325 Product Subsititution Request.

B. Architectural Synthetic Stone Units: 1
1. Basis of Design: Echelon Masonry.
   a. Other Allowable Manufacturers:
      1) Coronado Stone.
      2) Architectural Stone Products.

2.02 ARCHITECTURAL CAST STONE

A. Cast Stone: Architectural concrete product manufactured to simulate appearance of natural stone, complying with ASTM C1364.
1. Compressive Strength: As specified in ASTM C1364; calculate strength of pieces to be field cut at 80 percent of uncut piece.
2. Freeze-Thaw Resistance: Demonstrated by laboratory testing in accordance with ASTM C1364.
3. Surface Texture: Fine grained texture, with no bugholes, air voids, or other surface blemishes visible from distance of 20 feet.
4. Color: Selected by Architect from manufacturer's full range.

B. Shapes: Provide shapes indicated on drawings.
1. Variation from Any Dimension, Including Bow, Camber, and Twist: Maximum of plus/minus 1/8 inch or length divided by 360, whichever is greater, but not more than 1/4 inch.
2. Unless otherwise indicated on drawings, provide:

a. Wash or slope of 1:12 on exterior horizontal surfaces.
b. Drips on projecting components, wherever possible.
c. Raised fillets at back of sills and at ends to be built in.

C. Reinforcement: Provide reinforcement as required to withstand handling and structural stresses; comply with ACI CODE-318.
1. Pieces More than 24 inches in Any Dimension: Provide full length two-way reinforcement of cross-sectional area not less than 0.25 percent of unit cross-sectional area.

2.03 ARCHITECTURAL SYNTHETIC STONE UNITS

A. Architectural Synthetic Stone Units: Factory-fabricated, high-density cementitious units made from cement, crushed stone, sand, and polymer reinforced with fiberglass strands; designed to simulate appearance of natural stone.
1. Remove cement film from exposed surfaces before packaging for shipment.

B. Shapes: Provide shapes indicated on drawings.
1. Variation from Any Dimension, Including Bow, Camber, and Twist: Maximum of plus/minus 1/8 inch or length divided by 360, whichever is greater, but not more than 1/4 inch.
2. Unless otherwise indicated on drawings, provide:
a. Wash or slope of 1:12 on exterior horizontal surfaces.
b. Drips on projecting components, wherever possible.
c. Raised fillets at back of sills and at ends to be built in.

C. Reinforcement: Provide reinforcement as required to withstand handling and structural stresses; comply with ACI CODE-318.

D. Water-Repellent Admixture: Integral liquid polymeric water-repellent admixture added to the concrete masonry units (CMU) at the time of manufacturing. Basis of design: Rainbloc by ACM Chemistries, inc.

2.04 MATERIALS

A. Portland Cement: ASTM C150/C150M.
1. For Mortar: Type I or II, except Type III may be used in cold weather.

B. Coarse Aggregate: ASTM C33/C33M, except for gradation; granite, quartz, or limestone.

C. Fine Aggregate: ASTM C33/C33M, except for gradation; natural or manufactured sands.

D. Pigments: ASTM C979, inorganic iron oxides; do not use carbon black.

E. Admixtures: ASTM C494/C494M.

F. Water: Potable.

G. Reinforcing Bars: ASTM A615/A615M, Grade 40 (40,000 psi), deformed bars, galvanized.
1. Galvanized in accordance with ASTM A767/A767M, Class I.

H. Steel Welded Wire Reinforcement: ASTM A1064/A1064M, galvanized or ASTM A884/A884M, epoxy coated.

I. Embedded Anchors, Dowels, and Inserts: Type 304 stainless steel, of type and size as required for conditions.

J. Shelf Angles and Similar Structural Items: Hot-dip galvanized steel per ASTM A123/A123M, of shapes and sizes as required for conditions.

K. Mortar: Portland cement-lime, ASTM C270 Type N ; do not use masonry cement.

L. Cleaner: General-purpose cleaner designed for removing mortar and grout stains, efflorescence, and other construction stains from new masonry surfaces without discoloring or damaging masonry surfaces; approved for intended use by cast stone manufacturer and by cleaner manufacturer for use on cast stone and adjacent masonry materials.

2.05 SOURCE QUALITY CONTROL

A. Test compressive strength and absorption of specimens selected at random from plant production.
   1. Test in accordance with ASTM C642.
   2. Select specimens at rate of 3 per 500 cubic feet, with a minimum of 3 per production week.

PART 3 EXECUTION

3.01 EXAMINATION

A. Examine construction to receive cast stone components. Notify Architect if construction is not acceptable.

B. Do not begin installation until unacceptable conditions have been corrected.

3.02 INSTALLATION

A. Mechanically anchor cast stone units indicated; set remainder in mortar.

B. Setting:
   1. Drench cast stone components with clear, running water immediately before installation.
   2. Set units in a full bed of mortar unless otherwise indicated.
   3. Fill vertical joints with mortar.
   4. Fill dowel holes and anchor slots completely with mortar or non-shrink grout.

3.03 TOLERANCES

A. Joints: Make all joints 3/8 inch, except as otherwise detailed.
   1. Rake mortar joints 3/4 inch for pointing.
   2. Remove excess mortar from face of stone before pointing joints.
   3. Point joints with mortar in layers 3/8 inch thick and tool to a slight concave profile.
   4. Leave the following joints open for sealant:
      a. Head joints in top courses, including copings, parapets, cornices, sills, and steps.
      b. Joints in projecting units.
      c. Joints between rigidly anchored units, including soffits, panels, and column covers.
      d. Joints below lugged sills and stair treads.
      e. Joints below ledge and relieving angles.
      f. Joints labeled "expansion joint".

B. Installation Tolerances:
   1. Variation from Plumb: Not more than 1/8 inch in 10 feet or 1/4 inch in 20 feet or more.
   2. Variation from Level: Not more than 1/8 inch in 10 feet or 1/4 inch in 20 feet, or 3/8 inch maximum.
   3. Variation in Joint Width: Not more than 1/8 inch in 36 inches or 1/4 of nominal joint width, whichever is less.
   4. Variation in Plane Between Adjacent Surfaces (Lipping): Not more than 1/16 inch difference between planes of adjacent units or adjacent surfaces indicated to be flush with units.

3.04 REPAIR

A. Repair chips and other surface damage noticeable when viewed in direct daylight at 20 feet.

B. Repair with matching touch-up material provided by the manufacturer and in accordance with manufacturer's instructions.

C. Repair methods and results subject to Architect 's approval.

3.05 CLEANING

A. Clean completed exposed cast stone after mortar is thoroughly set and cured.
   1. Wet surfaces with water before applying cleaner.
   2. Apply cleaner to cast stone in accordance with manufacturer's instructions.

3. Remove cleaner promptly by rinsing thoroughly with clear water.
4. Do not use acidic cleaners.

3.06 PROTECTION

A. Protect completed work from damage.

B. Clean, repair, or restore damaged or mortar-splashed work to condition of new work.

END OF SECTION 04 72 00

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SECTION 11 40 00
FOODSERVICE EQUIPMENT

PART 1 GENERAL

1.01 SCOPE OF WORK

A. Furnish labor, materials and service necessary to deliver, assemble, and install foodservice equipment.

B. Connections to utilities.

1.02 REFERENCE STANDARDS

A. ASTM A653/A653M - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process; 2023.

B. ASTM A666/A666M - Standard Specification for Annealed or Cold-Worked Austenitic Stainless Steel Sheet, Strip, Plate, and Flat Bar; 2024.

C. ASTM C1036 - Standard Specification for Flat Glass; 2021.

D. FM (AG) - FM Approval Guide; current edition.

E. ITS (DIR) - Directory of Listed Products; Current Edition.

F. NEMA LD 3 - High-Pressure Decorative Laminates; 2005.

G. NFPA 96 - Standard for Ventilation Control and Fire Protection of Commercial Cooking Operations; 2027.

H. SMACNA (KVS) - Kitchen Ventilation Systems and Food Service Equipment Fabrication and Installation Guidelines; 2026.

I. UL (DIR) - Online Certifications Directory; Current Edition.

1.03 REGULATIONS

A. FEC work and materials shall be in accordance with latest rules, codes and/or regulations of agencies/authorities having jurisdiction. Furnish food service equipment-related permits, approvals, and installation as required.

1.04 ADMINISTRATIVE REQUIREMENTS

A. Pre-installation Meeting:
   1. Review the project site with Contractor and verify existing conditions.
   2. FEC to coordinate with Contractor access to ensure delivery of equipment to designated areas.
   3. Contractor shall verify and coordinate height and location of piping and ductwork in areas above exhaust hoods and cold rooms.
   4. FEC and Contractor shall coordinate timely installation of walk-in cooler/freezer unit(s).
   5. Verify withGC the exact location on the roof or ground that remote refrigeration condensers, exhaust fans, and make-up air systems shall be placed.
   6. Contractor to construct condenser pad / curbs and roof sleeves to meet national and local codes. Contractor, Plumbing Contractor, Electrical Contractor and Mechanical Contractor shall verify mechanical, plumbing, electrical, and ventilation rough-in and sleeve locations as per food service drawings before floor slabs are poured and wall or ceiling sheathing is installed.

1.05 SUBMITTALS

A. See Section 01 31 00 - Project Management and Coordination, for submittal procedures.

B. Product Data: Provide data on appliances; indicate configuration, sizes, materials, finishes, locations, and utility service connection locations, service characteristics, and wiring diagrams.

C. Manufacturer's Installation Instructions: Indicate special procedures, perimeter conditions requiring special attention.

D. Certificates: Certify that products of this section meet or exceed specified requirements.

E. Operation Data: Provide operating data for the specified equipment.

F. Maintenance Data: Provide lubrication and periodic maintenance requirement schedules.

G. Warranty: Submit manufacturer warranty and ensure forms have been completed in Owner's name and registered with manufacturer.

1.06 QUALITY ASSURANCE

A. Manufacturer Qualifications: Company specializing in manufacture of standard products of the type specified.

B. Comply with all federal, state and local laws and regulations governing health, safety, fire, mechanical and electrical requirements within the applicable jurisdiction.

C. Comply with Standards of AGA, ASHRAE, ASME, NEMA, NEC, NFPA #17A, 54, 70, and 96, NSF, OSHA and UL. All principal items of equipment shall bear the NSF seal. Use UL Listed electrical components and include UL labels.

1.07 DELIVERY, STORAGE, AND HANDLING

A. Store products clear of floor in a manner to prevent damage.

B. Coordinate size of access and route to place of installation.

1.08 WARRANTY

A. See Section 01 78 00 - Closeout Submittals, for additional warranty requirements.

B. Correct defective work of this section for (1) year after the Date of Substantial Completion.

C. Provide manufacturer’s standard warranties including labor, materials, refrigerant, and incidental expenses to maintain proper operation of related equipment. Replace damaged or worn parts requiring replacement during warranty period with new parts and installed at no cost to Owner.

D. Service equipment within 48 hours by factory-trained local service agency. Perform scheduled maintenance per manufacturer’s recommendations by Owner operator at their cost.

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. Foodservice Equipment:
   1. Hobart Corp; ____: www.hobartcorp.com/#sle.
   2. Sani-Floor Trough Systems; Standard Floor Trough Systems: www.sanifloor.com/#sle.
   3. Vulcan Hart Corp; ____: www.vulcanhart.com/#sle.

2.02 REGULATORY REQUIREMENTS

A. Comply with applicable codes for utility requirements.

B. Products Requiring Electrical Connection: Listed and classified by FM (AG), ITS (DIR), UL (DIR), or testing agency acceptable to local authorities having jurisdiction as suitable for the purpose specified and indicated.

2.03 EQUIPMENT

A. Equipment Schedule: Refer to schedule at end of this section.
   1. Equipment Eligible for Energy Star Rating: Provide Energy Star Rated equipment
   2. Cooler and Freezer Units: Listed by UL (DIR).
   3. Electrical Wiring and Components and Self-Contained Refrigeration Systems: Comply with UL (DIR) listed product standards.
   4. Exhaust Hoods: Comply with NFPA 96 and SMACNA (KVS).

B. Installation Accessories: Provide rough-in hardware, supports and connections, attachment devices, closure trim, and accessories as required for complete installation.

2.04 MATERIALS

A. Sheet Steel: Hot-dipped galvanized steel sheet, ASTM A653/A653M, with G90/Z275 coating.

B. Stainless Steel Sheet: ASTM A666/A666M Type 304 commercial grade, No. 4 finish.

C. Glass: ASTM C1036 annealed, and laminated, 4 mm thick; exposed edges ground; cut or drilled to receive hardware.

D. Plastic Laminate: NEMA LD 3, HGS ; acid-resistant ; color(s) as indicated ; textured, low gloss finish.

E. Laminate Backing Sheets: NEMA LD 3, BKL; unfinished, plastic laminate.

F. Finish Hardware: Manufacturer's standard.

G. Work Surfaces: Stainless steel.

H. Fittings: Sink drains with crumb cup and waste fittings.

2.05 FINISHES

A. Components: Shop finish.

B. Metal (Except Stainless Steel): Degrease and phosphate etch, prime and apply minimum two coats factory baked epoxy, color as selected.

C. Stainless Steel: No. 4 finish.

D. Plastic Laminate.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify ventilation outlets, service connections, and supports are correct and in required location.

B. Verify that electric power is available and of the correct characteristics.

3.02 INSTALLATION

A. Assure that kitchen installation is within construction schedule. Coordinate and integrate work to prevent conflict between subcontractors.

B. Install items in accordance with manufacturers' instructions.

C. Insulate to prevent electrolysis between dissimilar metals.

D. Contractor will provide use of dumpster for disposal of packaging materials
   1. Remove daily debris from site, break down and place in General Contractor's dumpster.

E. Final connections to equipment to be made by qualified, licensed, and insured plumbing, electrical, and mechanical contractors provided by General Contractor.

F. Weld and grind joints in steel work tight, without open seams, where necessary due to limitations of sheet sizes or installation requirements.

G. Sequence installation and erection to ensure correct mechanical and electrical utility connections are achieved.

H. Use anchoring devices appropriate for equipment and expected usage.

3.03 REFRIGERATION SYSTEMS

A. Install refrigeration systems and connecting piping as indicated in Contract Documents in a manner that provides complete and operational systems and eliminates any noise and vibration being transmitted to any part of building.

B. Install piping to permit normal installation, service, removal of condensing units and their components and view sight glasses and allow expansion and contraction without damage to systems.

C. Take extreme care to keep entire refrigeration system clean and dry.

D. Nitrogen gas shall flow through piping being welded to prevent scaling.

E. Factory-extend refrigeration lines in a neat and orderly manner, support and securely anchor with “Unistrut”, or equal clamps and channels. Cap end of lines to prevent against contamination.

F. Pre-wire compressors and accessories to main circuit breaker control panel and provide individual circuit breakers wired to main breaker disconnect requiring single power connection. Run wiring inside code approved raceway.

G. If in the opinion of the FEC, additional ventilation is required to ensure correct operation temperatures, FEC shall so state in a letter to Owner.

H. Refrigeration line set between condensing unit and evaporator to be no more than 50 feet total length.

3.04 REFRIGERATION PIPING TESTING

A. Pressure test each system for leaks.
   1. R-404a Refrigeration: Between 250 psi and 150 psi
   2. Fully open valves during the test.

B. Test Procedures:
   1. Charge systems with refrigerant through port of liquid shut off valves of receivers to a pressure of 10 to 20 psi.
   2. Add dry nitrogen, supply of which shall be equipped with pressure regulating valve to provide the specified pressure.
   3. Carefully test for leaks using either a Halide torch or an electric Halogen leak detector.

3.05 FIRE SUPPRESSION SYSTEM

A. Provide UL 300 Listed fire suppression system for exhaust hood.

B. Upon completion, Local Fire Suppression contractor’s agent will certify system.

C. Local Fire Suppression’s contractor’s agent, at request of local Fire Marshall, performs any special test firing for an added charge.Ansul gas valve to be supplied by FEC and installed by General Contractor.

3.06 CLEANING PERFORMED BY GENERAL CONTRACTOR

A. Remove masking or protective covering from stainless steel and other finished surfaces

B. Wash and clean equipment

C. Polish glass, plastic, hardware, accessories, fixtures, and fitting.

3.07 START-UP AND DEMONSTRATION

A. Refrigeration System Start-Up:
   1. Charge each system with refrigerant listed on approved refrigeration shop drawings.
   2. Set controls and check that systems meet proper operation temperatures.
   3. Check compressor for proper oil level.
      a. Refrigeration Oil: Suniso 3G, inhibited only, delivered to the job site in sealed containers.
      b. Add oil to system to maintain 1/4-inch to 1/2-inch sight glass.
   4. Check electrical circuits by Division 26 for compliance with manufacturer’s specifications. Division 26 shall make corrections to wiring as required.
   5. Check manufacturer’s requirement for lubrication and followed requirements before operation of fan, pump motors, and other associated equipment.
   6. Review refrigeration systems, operation, maintenance, emergency procedures, and proper service procedures with Owner’s engineering staff if requested.

B. Provide to General Contractor a list of certified manufacturer service agents for start-up/calibration of equipment.

C. Coordinate with Owner any necessary equipment demonstrations.

3.08 ADJUSTING

A. Adjust equipment and apparatus to ensure proper working order and conditions.

B. Remove and replace equipment creating excessive noise or vibration.

3.09 CLEANING

A. Remove masking or protective covering from stainless steel and other finished surfaces.

B. Wash and clean equipment.

C. Polish glass, plastic, hardware, accessories, fixtures, and fittings.

3.10 CLOSEOUT ACTIVITIES

A. At completion of work, provide qualified and trained personnel to demonstrate operation of each item of equipment and instruct Owner in operating procedures and maintenance.
   1. Test equipment prior to demonstration.
   2. Individual Performing Demonstration: Fully knowledgeable of all operating and service aspects of equipment.

3.11 PROTECTION

A. Remove protective coverings from prefinished work.

B. Protect finished work from damage.

PART 4 - EQUIPMENT

4.01 FOODSERVICE EQUIPMENT SCHEDULE

A. The foodservice equipment schedule and equipment cut sheets are attached following this page.

END OF SECTION 11 40 00

FOODSERVICE EQUIPMENT SPECIFICATION

ITEM 1, REFRIGERATOR: TWO (2) REQUIRED

Manufacturer: True, Continental, Traulsen

Model: T-23-HC
Half height doors hinged as shown on plan.
Three (3) extra shelves
Three (3) year parts and labor warranty
Seven (7) year warranty on compressor
Cord and plug
Caters

ITEM 2, FREEZER: ONE (1) REQUIRED

Manufacturer: True, Continental, Traulsen

Model: T-23F-HC
Three door unit w/ full height doors
Three (3) additional shelves
Three (3) year parts and labor warranty
Seven (7) year warranty on compressor
Cord and plug
Caters

ITEM 3, UNDER COUNTER DISH WASHERS: TWO (2) REQUIRED

Manufacturer: Hobart, Jackson, CMA

Model: LXGnPR advansys
Low temperature, chemical sanitizing
ADA height to fit below 34” high counter tops
Door lock
Cord and plug

Voltage: 115-60-1

ITEM 4, GRILL: ONE (1) REQUIRED

Manufacturer: Star, Vulcan, Wolf

Model: 748TA
Electric
Cord and plug

Voltage: 208-60-1 (VERIFY VOLTAGE)

ITEM 5, STAND: ONE (1) REQUIRED

Manufacturer: Advance Tabco, Eagle, John Boos

Model: ES-304C
Stainless steel legs and bottom shelf

Casters with brakes

ITEM 6, RANGE: ONE (1) REQUIRED

Manufacturer: Vulcan, Garland, Hatco

Model: EV36S-6FP480 1
Casters with brakes
Cord and plug
Oversized standard oven base
Single high shelf

Voltage: 480-60-3 (VERIFY VOLTAGE) 1

ITEM 7, DISH MACHINE: ONE (1) REQUIRED

Manufacturer: Hobart, Jackson, CMA

Model: AM16T-BAS-TALL
Straight Thru Installation (VERIFY connections to tables)
Tank heat
Pumped drain air gap kit (VERIFY)
Built in booster heater
Drain water tempering kit
With single point elec connection
With vent fan control
Common water connection
Tray rack

Voltage: 480-60-3 (VERIFY VOLTAGE) 1

ITEM 8, DISH TABLE: ONE (1) REQUIRED

Manufacturer: Advance Tabco, Eagle, John Boos

Model: DTC-S30-24L
Stainless steel legs and cross rails

ITEM 9, DISH TABLE: ONE (1) REQUIRED

Manufacturer: Advance Tabco, Eagle, John Boos

Model: DTC-S30-24R
Stainless steel legs and cross rails

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Parts Dept. (800)424-TRUE • Parts Dept. Fax# (636)272-9471 • www.truemfg.com

Project Name: _____ AIA #

Location: _____ SIS #

Item #: __ #1 __ Qty: _____

Model #: _____

Model:
T-23-HC

T-Series:
Reach-In Solid Swing Door Refrigerator with Hydrocarbon Refrigerant



T-23-HC

- True's solid door reach-in's are designed with enduring quality that protects your long term investment.
- Designed using the highest quality materials and components to provide the user with colder product temperatures, lower utility costs, exceptional food safety and the best value in today's food service marketplace.
- Factory engineered, self-contained, capillary tube system using environmentally friendly R290 hydro carbon refrigerant that has zero (0) ozone depletion potential (ODP), & three (3) global warming potential (GWP).
- Oversized, factory balanced, refrigeration system holds 33°F to 38°F (.5°C to 3.3°C) for the best in food preservation.
- Stainless steel solid door and front. The finest stainless available with higher tensile strength for fewer dents and scratches.
- Adjustable, heavy duty PVC coated shelves.
- Positive seal self-closing door. Lifetime guaranteed door hinges and torsion type closure system.

Bottom mounted units feature

- "No stoop" lower shelf.
- Storage on top of cabinet.
- Compressor performs in coolest, most grease free area of kitchen.
- Easily accessible condenser coil for cleaning.

ROUGH-IN DATA

Specifications subject to change without notice.
Chart dimensions rounded up to the nearest ⅛" (millimeters rounded up to next whole number).

Model	Doors	Shelves	Cabinet Dimensions (inches) (mm) L	D	H*	HP	Voltage	Amps	NEMA Config.	Cord Length (total ft.) (total m)	Crated Weight (lbs.) (kg)
T-23-HC	1	3	27 686	29½ 750	78⅜ 1991	⅓ ⅓	115/60/1 230-240/50/1	3.0 2.4	5-15P ▲	9 2.74	280 127

* Height does not include 5" (127 mm) for castors or 6" (153 mm) for optional legs.

▲ Plug type varies by country.

MADE IN USA SINCE 1945 · 5 YEAR COMPRESSOR WARRANTY USA · c UL us · NSF · CE · natural refrigerant.

3/15 Printed in U.S.A.

APPROVALS:

AVAILABLE AT:

Model:
T-23-HC

T-Series:
Reach-In Solid Swing Door Refrigerator with Hydrocarbon Refrigerant

STANDARD FEATURES

DESIGN
- True's commitment to using the highest quality materials and optimized refrigeration systems provides the user with colder product temperatures, lower utility costs, exceptional food safety and the best value in today's food service marketplace.

REFRIGERATION SYSTEM
- Factory engineered, self-contained, capillary tube system using environmentally friendly R290 hydro carbon refrigerant that has zero (0) ozone depletion potential (ODP), & three (3) global warming potential (GWP).
- Evaporator coil balanced with higher horsepower compressor and large condenser; maintains 33°F to 38°F (0.5°C to 3.3°C) for the best in food preservation.
- Sealed evaporator fan motors and larger fan blades give True reach-in's a more efficient airflow design. This unique design ensures faster temperature recovery and shorter run times in the busiest of food service environments.
- Bottom mounted condensing unit positioned for easy maintenance. Compressor runs in coolest and most grease free area of the kitchen. Allows for storage area on top of unit.

CABINET CONSTRUCTION
- Exterior - Stainless steel front. Anodized quality aluminum ends, back and top.
- Interior - attractive, NSF approved, clear coated aluminum liner. Stainless steel floor with coved corners.
- Insulation - entire cabinet structure and solid door are foamed-in-place using Ecomate. A high density, polyurethane insulation that has zero ozone depletion potential (ODP) and zero global warming potential (GWP).
- Welded, heavy duty steel frame rail, black powder coated for corrosion protection.
- Frame rail fitted with 4" (102 mm) diameter stem castors - locks provided on front set.

DOOR
- Stainless steel exterior with white aluminum liner to match cabinet interior. Door extends full width of cabinet shell. Door locks standard.
- Lifetime guaranteed recessed door handle. Door fitted with 12" (305 mm) long recessed handle that is foamed-in-place with a sheet metal interlock to ensure permanent attachment.
- Positive seal self-closing door. Lifetime guaranteed door hinges and torsion type closure system.
- Magnetic door gasket of one piece construction, removable without tools for ease of cleaning.

SHELVING
- Three (3) adjustable, heavy duty PVC coated wire shelves 22⅞"L x 23¼"D (582 mm x 591 mm). Four (4) chrome plated shelf clips included per shelf.
- Shelf support pilasters made of same material as cabinet interior; shelves are adjustable on ½" (13 mm) increments.

LIGHTING
- Interior lighting - safety shielded. Lights activated by rocker switch mounted above door.

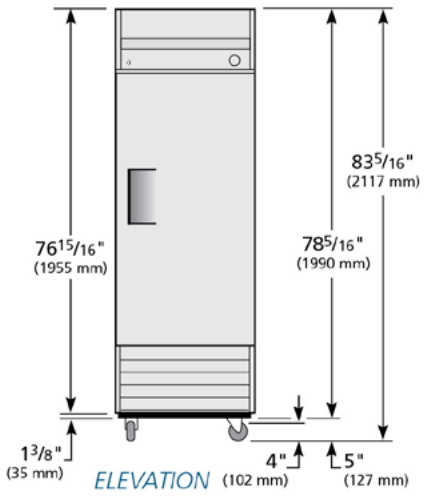
MODEL FEATURES
- Exterior temperature display.
- Evaporator is epoxy coated to eliminate the potential of corrosion.

ELECTRICAL
- Unit completely pre-wired at factory and ready for final connection to a 115/60/1 phase, 15 amp dedicated outlet. Cord and plug set included.

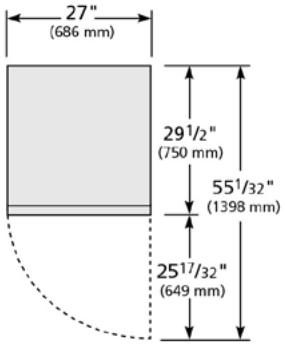

115/60/1
NEMA-5-15R

OPTIONAL FEATURES/ACCESSORIES
Upcharge and lead times may apply.
- ❑ 230 - 240V / 50 Hz.
- ❑ 6" (153 mm) standard legs.
- ❑ 6" (153 mm) seismic/flanged legs.
- ❑ Alternate door hinging (factory installed).
- ❑ Additional shelves.
- ❑ Half door bun tray racks. Each holds up to eleven 18"L x 26"D (458 mm x 661 mm) sheet pans (sold separately).
- ❑ Full door bun tray rack. Holds up to twenty-two 18"L x 26"D (458 mm x 661 mm) sheet pans (sold separately).

PLAN VIEW



ELEVATION



PLAN VIEW

WARRANTY*
Three year warranty on all parts and labor and an additional 2 year warranty on compressor. (U.S.A. only)

*RESIDENTIAL APPLICATIONS: TRUE assumes no liability for parts or labor coverage for component failure or other damages resulting from installation in non-commercial or residential applications. Units with R290 refrigerant are not approved by UL/EPA for use in residential applications.

METRIC DIMENSIONS ROUNDED UP TO THE NEAREST WHOLE MILLIMETER

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

Model	Elevation	Right	Plan	3D	Back
T-23-HC	TFEY53E	TFEY03S	TFEY03P	TFEY633	

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Parts Dept. (800)424-TRUE • Parts Dept. Fax# (636)272-9471 • www.truemfg.com

Project Name: _____ *AIA #*

Location: _____ *SIS #*

Item #: _ #2 ___ *Qty:* _____

Model #: _____

Model:
T-23F-HC

T-Series:
Reach-In Solid Swing Door Freezer with Hydrocarbon Refrigerant



T-23F-HC

- True's solid door reach-in's are designed with enduring quality that protects your long term investment.
- Designed using the highest quality materials and components to provide the user with colder product temperatures, lower utility costs, exceptional food safety and the best value in today's food service marketplace.
- Extra large evaporator coil balanced with higher horsepower compressor and large condenser maintains -10°F (-23.3°C) cabinet temperatures. Ideally suited for both frozen foods and ice cream.
- Stainless steel solid door and front. The very finest stainless with higher tensile strength for fewer dents and scratches.
- Adjustable, heavy duty PVC coated shelves.
- Positive seal self-closing door. Lifetime guaranteed door hinges and torsion type closure system.
- Automatic defrost system time-initiated, temperature-terminated. Saves energy consumption and provides shortest possible defrost cycle.

Bottom mounted units feature:

- "No stoop" lower shelf.
- Storage on top of cabinet.
- Compressor performs in coolest, most grease free area of kitchen.
- Easily accessible condenser coil for cleaning.

ROUGH-IN DATA

Specifications subject to change without notice.
Chart dimensions rounded up to the nearest ⅛" (millimeters rounded up to next whole number).

Model	Doors	Shelves	Cabinet Dimensions (inches) (mm) W	D	H*	HP	Voltage	Amps	NEMA Config.	Cord Length (total ft.) (total m)	Crated Weight (lbs.) (kg)
T-23F-HC	1	3	27 686	29½ 750	78⅜ 1991	½ ½	115/60/1 220-240V/50Hz	3.7 2.2	5-15P ▲	9 2.74	295 134

* Height does not include 5" (127 mm) for castors or 6" (153 mm) for optional legs.

▲Plug type varies by country.

MADE WITH INNOVATION IN THE USA · 5 YEAR COMPRESSOR WARRANTY USA · ENERGY STAR · c UL us · CE · natural refrigerant.

5/20 Printed in U.S.A.

APPROVALS:

AVAILABLE AT:

Model:
T-23F-HC

T-Series:
Reach-In Solid Swing Door Freezer with Hydrocarbon Refrigerant

STANDARD FEATURES

DESIGN
- True's commitment to using the highest quality materials and oversized refrigeration systems provides the user with colder product temperatures, lower utility costs, exceptional food safety and the best value in today's food service marketplace.

REFRIGERATION SYSTEM
- Factory engineered, self-contained, capillary tube system using environmentally friendly R290 hydro carbon refrigerant that has zero (0) ozone depletion potential (ODP), & three (3) global warming potential (GWP).
- Extra large evaporator coil balanced with higher horsepower compressor and large condenser; maintains -10°F (-23.3°C). Ideally suited for both frozen foods and ice cream.
- State of the art, electronically commutated evaporator and condenser fan motors. ECM motors operate at higher peak efficiencies and move a more consistent volume of air which produces less heat, reduces energy consumption and provides greater motor reliability.
- Bottom mounted condensing unit positioned for easy cleaning. Compressor runs in coolest and most grease free area of the kitchen. Allows for storage area on top of unit.
- Automatic defrost system time-initiated, temperature-terminated. Saves energy consumption and provides shortest possible defrost cycle.

CABINET CONSTRUCTION
- Exterior - Stainless steel front. Anodized quality aluminum ends. Corrosion resistant GalFan coated steel back.
- Interior - attractive, NSF approved, clear coated aluminum liner. Stainless steel floor with coved corners.
- Insulation - entire cabinet structure and solid door are foamed-in-place using a high density, polyurethane insulation that has zero ozone depletion potential (ODP) and zero global warming potential (GWP).
- Welded, heavy duty steel frame rail, black powder coated for corrosion protection.
- Frame rail fitted with 4" (102 mm) diameter stem castors - locks provided on front set.

DOOR
- Stainless steel exterior with clear aluminum liner to match cabinet interior. Door extend full width of cabinet shell. Door lock standard.
- Lifetime guaranteed recessed door handle. Door fitted with 12" (305 mm) long recessed handle that is foamed-in-place with a sheet metal interlock to ensure permanent attachment.
- Positive seal self-closing door. Lifetime guaranteed door hinges and torsion type closure system.
- Magnetic door gasket of one piece construction, removable without tools for ease of cleaning.

SHELVING
- Three (3) adjustable, heavy duty PVC coated wire shelves 22 7/8"L x 23 1/4"D (582 mm x 591 mm). Four (4) chrome plated shelf clips included per shelf.
- Shelf support pilasters made of same material as cabinet interior; shelves are adjustable on 1/2" (13 mm) increments.

LIGHTING
- Interior lighting - safety shielded. Lights activated by rocker switch mounted above door.

MODEL FEATURES
- Exterior temperature display.
- Evaporator is epoxy coated to eliminate the potential of corrosion.
- Rear airflow guards prevent product from blocking optimal airflow.
- NSF/ANSI Standard 7 compliant for open food product.

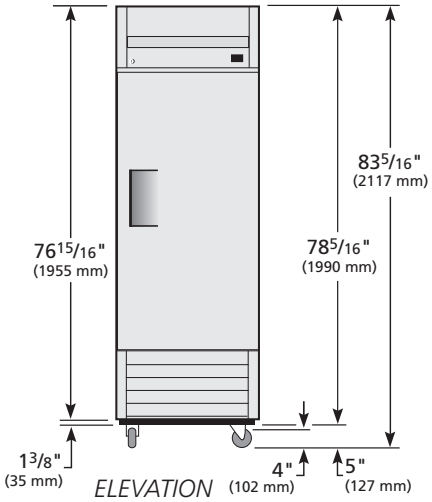
ELECTRICAL
- Unit completely pre-wired at factory and ready for final connection to a 115/60/1 phase, 15 amp dedicated outlet. Cord and plug set included.



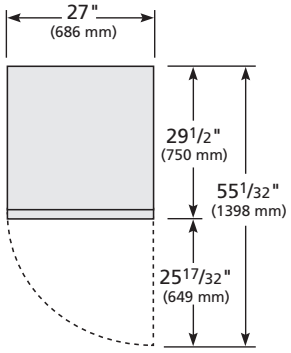
115/60/1
NEMA-5-15R

OPTIONAL FEATURES/ACCESSORIES
Upcharge and lead times may apply.
- ❑ 220-240V/50Hz
- ❑ 6" (153 mm) standard legs.
- ❑ 6" (153 mm) seismic/flanged legs.
- ❑ Alternate door hinging (factory installed).
- ❑ Novelty baskets.
- ❑ Additional shelves.

PLAN VIEW



ELEVATION



PLAN VIEW

3 YEAR PARTS + LABOR
7 YEAR COMPRESSOR
WARRANTY
(U.S.A. only)

METRIC DIMENSIONS ROUNDED UP TO THE NEAREST WHOLE MILLIMETER

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

Model	Elevation	Right	Plan	3D	Back
T-23F-HC	TFEY53E	TFEY03S	TFEY03P	TFEY633	

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HOBART

Project _____

AIA # _____ SIS # _____

Item # ____ #3 Quantity _____ C.S.I. Section 114000

COMMERCIAL DISHWASHERS

LXGnPR advansys
CHEMICAL SANITIZING
ADA-Compliant



c UL us NSF ENERGY STAR

SPECIFIER STATEMENT

Specified unit will be a NSF rated, ADA compliant Advansys undercounter glass washer with PuriRinse, chemical sanitization. Up to 38 racks per hour, 1.14 gallons per cycle, AutoClean, color touchscreen with Wi-Fi and SmartConnect App connectivity, low temperature and chemical alerts, advanced diagnostics and service connection, detergent, rinse aid, and sanitizer pumps. Constructed of stainless steel.

1 year parts and labor warranty.

STANDARD FEATURES

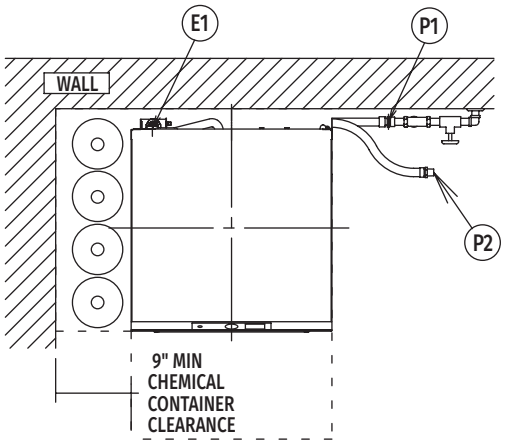
+ ADA compliant – compact 31" unit height fits easily under 34" ADA countertops
+ 12" door opening
+ Racks per hour – Light 38 / Normal 29
+ 1.14 gallons of water per cycle
+ PuriRinse cycle (potable water rinse to remove chemical residue)
+ AutoClean cycle washes down inside of machine at shutdown
+ User-friendly smart touchscreen controls
+ Wi-Fi connectivity
+ SmartConnect App with machine status, temperature logs, error code reporting, and usage analysis
+ Temperature and chemical alerts (lockouts available)
+ Chemical pumps with auto-prime for detergent, rinse aid, and sanitation
+ Delime notification with cycle
+ Soft start to protect glassware
+ Advanced diagnostics and service connection
+ Deep drawn stainless steel tank
+ Revolving upper and lower anti-clogging interchangeable wash arms
+ Snap-in revolving upper and lower interchangeable rinse arms
+ 2-stage wash tank filtration
+ Energy saver mode
+ Automatic pumped rinse and drain
+ Automatic fill
+ Electric tank heat
+ One glass/wine rack

OPTIONS & ACCESSORIES (Available at extra cost)

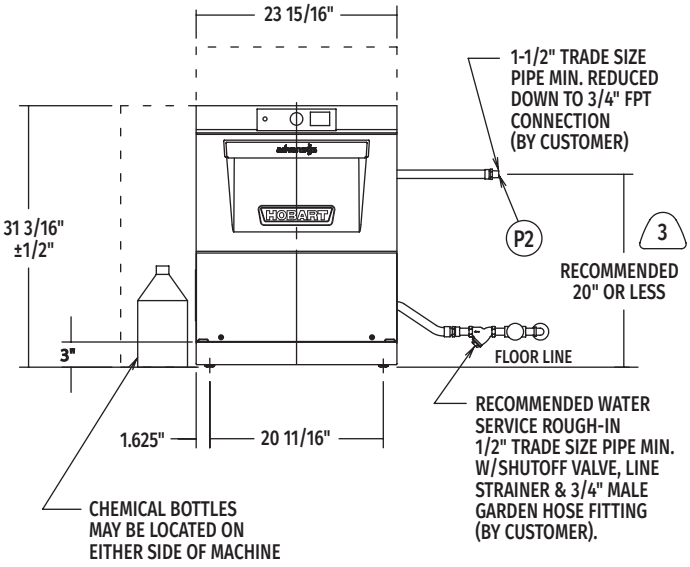
❑ Door lock (prevents door from opening until completion of cycle)
❑ Splash reduction panel
❑ Water hammer arrestor kit

LXn SERIES – LXGnPR advansys CHEMICAL SANITIZING

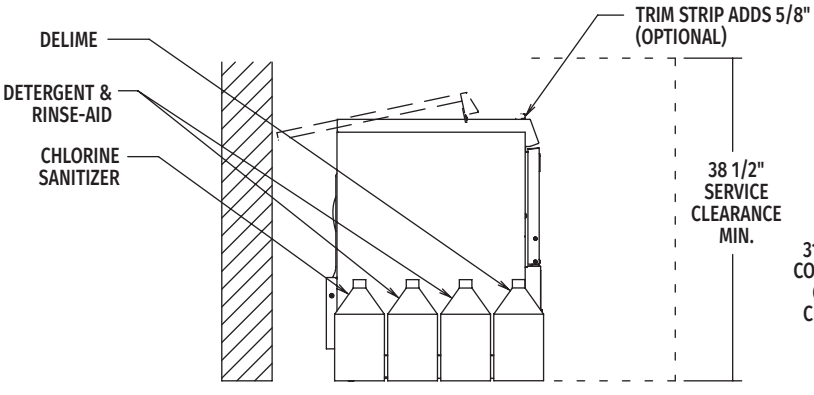
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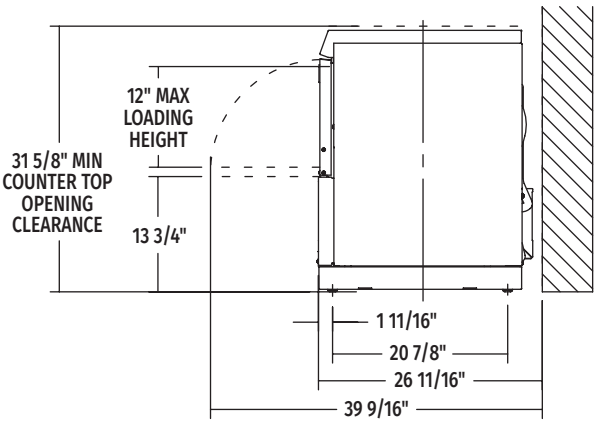
Top View



Front View



Left Side View



Right Side View

MODEL:
LXG*n*PR-ADA
00-563663
REV: A3

CAD and/or Revit Files Available

HOBART

LEGEND

Electrical Connections	
E1	Electrical connection: 1-3/8" dia. hole for 1" trade size conduit; 10-5/8" AFF.
Plumbing Connections	
P1	Single fill and rinse connection: 3/4" female garden hose fitting on 6' long hose supplied with machine; 120°F water minimum for LXG*n*PR, 140°F recomended.
P2	Common drain connection: 5/8" barb fitting with 6' long hose supplied with machine.

WARNING: Do not premix chemicals and sodium hypochlorite (liquid bleach). Mixing may cause hazardous gas to form.

Electrical and grounding connections must comply with the applicable portions of the National Electrical Code and/or other local electrical codes.

Plumbing connections must comply with applicable sanitary, safety and plumbing codes. Drain and fill line configurations vary, some methods are shown on this drawing.

SPECIFICATIONS

Capacities
- Cycle Time (seconds) . . . . . Light 96 / Normal 125
- Racks per Hour . . . . . Light 38 / Normal 29
- Tank Capacity – Gallons 2.9

Motor Horsepower
- Wash 0.85
- Rinse 0.19

Water Consumption
- U.S. Gallons per Cycle 1.14
- U.S. Gallons per Hour (maximum use) 33.0
- Peak Drain Flow – U.S. Gallons per Minute 4.0

Temperatures °F
- Incoming Water Temperature (minimum) 120

Heating
- Tank Heat, electric (kW) 1.8

Standard 20" x 20" Rack Complement
- Wine/glass 1

Shipping Weight (approximate) . . . . . 180 lbs.

Crated Dimensions . . . . . 27"W x 30"L x 40"H

Heat Output, BTU/Hour	
Latent	Sensible
1,900	800

(E1) Standard Electrical Options

Tank Heat, Booster, Pump & Controls			
Voltage	Rated Amps	Minimum Supply Circuit Ampacity	Maximum Protective Device
120/60/1	14.9	20	20

NOTE: For supply connections, use copper wire only rated at 90°C minimum.

Dishmachine not provided with internal GFCI protection.

NOTICE

Required flowing water pressure to the dishmachine is 15-65 PSIG. If pressures higher than 65 PSIG are present, a pressure regulating valve must be installed in the water line to the dishmachine.

Pressure gauge not required on pumped rinse machines.

Important: The chemical containers should be placed no higher than 16" above floor.

If chemical containers are to be placed in cabinet adjacent to machine, a 1/2" dia. hole is required in the cabinet to run chemical supply line.

Use only 6% or 8.4% sodium hypochlorite (liquid bleach) as sanitizing chemical to insure proper operation of dishmachine.

Certain materials including silver plate, aluminum and pewter are attacked by sodium hypochlorite (liquid bleach). See instructional manual.

Notes:

1. All vertical machine dimensions taken from floor may be increased by 1".
2. Moist air escapes from the door. Use only moisture resistant materials adjacent to dishmachine sides and top.
3. A vent hood is not recommended above the undercounter dishmachine since it does not produce excessive vapors.

Plumbing Notes:

1. Water hammer arrestor (meeting ASSE-1010 Standard or equivalent) to be supplied (by others) in common water supply line at service connection.
2. Recommended water hardness to be 3 grains or less for best results.
3. If drain hose is looped above a sink, the loop must not exceed 41" AFF.
4. Backflow prevention provided by NSF-approved air gap device.

Miscellaneous Note:

1. For optimal performance, Hobart recommends maintaining a dishroom temperature of 65°F (18°C) or higher, as lower temperatures may hinder the machine's capacity to operate effectively (with lower performance as ambient temperature decreases).

As continued product improvement is a policy of Hobart, specifications are subject to change without notice.

New ULTRA-MAX® ELECTRIC GRIDDLES

Models 724TA, 736TA, 748TA, 760TA & 772TA

Features/Benefits:

- ★ Ultra-Max griddles are designed for the highest volume food service operations and provide maximum performance and reliability.
- ★ Snap action thermostatic control adjusts from 150° to 450°F and provides accurate temperature control. Internal plate sensor accurately measures the temperature of the griddle plate 3/16" from the cooking surface for instant response to surface temperature change and fast recovery.
- ★ Available in 24", 36", 48", 60" and 72" widths to meet your space and volume requirements.
- ★ *NEW* longer lasting, heavy-duty metal knobs.
- ★ Highly polished 1" thick steel plate for superior heat distribution, fast recovery and energy efficient operation.
- ★ Custom designed 4350 watt heating element every 12" of cooking surface provides superior cooking performance.
- ★ Heavy-duty all-weld body construction with stainless steel front, side panels, bull nose and splash guard.
- ★ Heavy-duty design with stylishly curved, ergonomically advanced front panel providing easy access and viewing of controls.
- ★ Spatula wide 3-1/2" front grease trough and grease chute for easier cleaning.
- ★ Large 6 quart stainless steel grease drawer.
- ★ Extra-heavy-duty 4" adjustable legs to fit your countertop needs.
- ★ Floor model stands available for free standing unit. Optional casters available.
- ★ Cool-to-the-touch stainless steel bull nose front provides knob protection and comfortable work zone.



Model 736TA

Applications:

For breakfast, lunch or dinner, the Ultra-Max electric snap action griddles provide flexibility for a variety of menu items. Perfect for high volume operations.

Construction:

Ultra-Max griddles feature 1" thick highly polished steel griddle plate, 5" tapered stainless steel splash guard, 3-1/2" wide front access stainless steel grease trough, stainless steel 6 quart capacity grease drawer, and stainless steel front panels, side panels, and bull nose. Models 760TA and 772TA house two 6 quart grease drawers. Includes a 4350 watt element every 12" of width controlled by snap action electric thermostat. Griddles are equipped with a junction box at the rear for making electrical connections. Models 760TA and 772TA are equipped with 2 junction boxes. Heavy-duty 4" legs are included.

New Warranty:

Ultra-Max gas griddles are covered by Star's **THREE YEAR** parts and labor warranty.

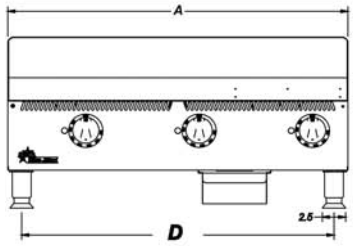
Star Manufacturing - 10 Sunnen Drive - P.O. Box 430129 - St. Louis, MO 63143-3800
Phone: (314) 678-6303 - FAX: (314) 781-5445 - www.star-mfg.com

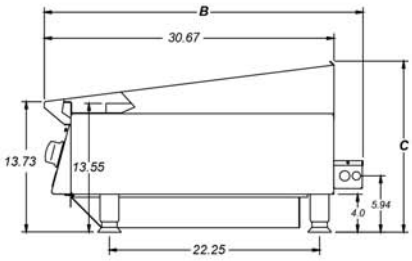
Star Manufacturing

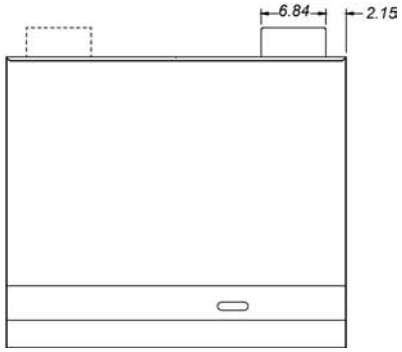
Ultra-Max® Electric Griddles

New ULTRA-MAX® ELECTRIC GRIDDLES

Models 724TA, 736TA, 748TA, 760TA & 772TA







Specifications

Model No.	Dimensions (A) Width Inches	(B) Depth Inches	(C) Height Inches	(D) Leg Width Inches	No. Controls	Watts	Grid Area	Plate Thickness	Approximate Installed	Weight Shipping
724TA	24" (61 cm)	33-11/16" (85.5 cm)	18" (45.7 cm)	21-1/16" (53.5)	2	8,700 (3,697sq cm)	573 sq. in. (2.54 cm)	1" (99.7 kg)	220 lbs. (130.5kg)	290 lbs.
736TA	36" (91.4 cm)	33-11/16" (85.5 cm)	18" (45.7 cm)	33-1/16" (84)	3	13,050 (5,545 sq cm)	860 sq. in. (2.54 cm)	1" (149.5 kg)	330 lbs. (175.1 kg)	389 lbs.
748TA	48" (121.9cm)	33-11/16" (85.5 cm)	18" (45.7 cm)	45-1/16" (114.5)	4	17,400 (7,394 sq cm)	1146 sq. in. (2.54 cm)	1" (199.4 kg)	440 lbs. (234 kg)	520 lbs.
760TA	60" (152.4 cm)	33-11/16" (85.5 cm)	18" (45.7 cm)	57-1/16" (144.9)	5	21,750 (9,242 sq cm)	1433 sq. in. (2.54 cm)	1" (249.2 kg)	550 lbs. (295.2 kg)	656 lbs.
772TA	72" (182.9 cm)	33-11/16" (85.5 cm)	18" (45.7 cm)	69-1/16" (175.4)	6	26,100 (11,091 sq cm)	1719 sq. in. (2.54 cm)	1" (299.0 kg)	660 lbs. (351 kg)	780 lbs.

Electrical Data

Model	Total KW	Voltage	AMPS-1 Phase	KW.-Load Phase X-Y	KW.-Load Phase X-Z	KW.-Load Phase Y-Z	AMPS Per Phase X	AMPS Per Phase Y	AMPS Per Phase Z
724TA	8.7	208	41.8	4.35	-	4.35	20.9	36.2	20.9
	8.7	240	36.3	4.35	-	4.35	18.1	31.3	18.1
736TA	13.05	208	62.7	4.35	4.35	4.35	36.2	36.2	36.2
	13.05	240	54.4	4.35	4.35	4.35	31.4	31.4	31.4
748TA	17.4	208	83.6	8.7	4.35	4.35	55.3	55.3	36.2
	17.4	240	72.5	8.7	4.35	4.35	48	48	31.4
760TA**	21.8	208	Dual Supply: 62.7 A. One Circuit & 41.8 A. Other Circuit	4.35	4.35	4.35	36.2	36.2	36.2
				4.35	-	4.35	20.9	36.2	20.9
	21.8	240	Dual Supply: 54.4 A. One Circuit & 36.3 A. Other Circuit	4.35	4.35	4.35	31.4	31.4	31.4
				4.35	-	4.35	18.1	31.3	18.1
772TA**	26.1	208	Dual Supply 62.7 EA. Circuit	4.35 ea.	4.35ea.	4.35 ea.	36.2 ea.	36.2 ea.	36.2 ea.
	26.1	240	Dual Supply 54.4 EA. Circuit	4.35 ea.	4.35ea.	4.35 ea.	31.4 ea.	31.4 ea.	31.4 ea.

****INDICATES DUAL SUPPLY CIRCUITS**

Typical Specifications

Gas griddles are constructed of stainless steel. Control knobs are protected by a stainless steel bull nose front. Griddle plate is a 1" (2.54 cm) thick highly polished steel plate with 5" (12.7 cm) high tapered wrap-around stainless steel splash guard. Unit has 3-1/2" (8.3 cm) wide front grease trough with grease chute and a 6 qt. (5.68 L) capacity stainless steel grease drawer. Models 760TA and 772TA house two each 6 quart (5.68 L) grease drawers. Units are equipped with a 4350 watt incoloy sheath element every 12" (330.48 cm) of griddle width and are controlled by a snap action thermostat. A terminal block is provided for making electrical connections. Models 760TA and 772TA are equipped with two electric connection boxes. Griddles are supplied with 4" (10.2 cm) high stainless steel legs that have a 1-5/8" (1.5 cm) adjustment. Units are approved for installation within 1" (2.54 cm) of side and rear wall combustible surfaces and are cULus Classified and UL classified to NSF Standard 4 Sanitation. Printed in the U.S.A.

Due to periodic changes in designs, methods, procedures, policies and regulations, the specifications contained in this sheet are subject to change without notice. While Star Manufacturing exercises good faith efforts to provide information that is accurate, we are not responsible for errors or omissions in information provided or conclusions reached as a result of using the specifications. By using the information provided, the user assumes all risks in connection with such use.

Star Manufacturing - 10 Sunnen Drive - P.O. Box 430129 - St. Louis, MO 63143-3800
Phone: (314) 678-6303 - FAX: (314) 781-5445 - www.star-mfg.com

ADVANCE TABCO
SMART FABRICATION™

STAINLESS STEEL

EQUIPMENT STANDS

Item #: #5 Qty #: _____

Model #: _____

Project #: _____



FEATURES: (as it applies)

TOP is furnished with 1" hemmed edge turned up at both sides; 1" turn up at rear.

Aluminum die cast "leg to shelf" clamp secures shelf to leg eliminating unsightly nuts and bolts.

Undershelf is adjustable.

CONSTRUCTION:

All TIG welded. Exposed weld areas finished to match adjacent surfaces.

Entire Top is mechanically polished to a satin finish and is sound deadened.

Roll formed embossed galvanized hat channels are secured to top by means of structural adhesive and weld studs.

Gussets welded to support hat sections.

MATERIAL:

ES-Series Stainless Steel Base

TOP is 14 gauge stainless steel type "304" series with galvanized understructure.

SHELF is 18 gauge stainless steel.

LEGS are 1 5/8" diameter heavy gauge tubular stainless steel with stainless steel gussets and 1" adjustable stainless steel bullet feet.

EG-Series Galvanized Base

TOP is 14 gauge stainless steel type "304 series with galvanized understructure.

SHELF is 18 gauge galvanized steel.

LEGS are 1 5/8" diameter tubular galvanized steel with galvanized steel gussets and 1" adjustable plastic bullet feet.

LEGS WITH CASTERS ("C" Series) are 1 5/8" diameter tubular galvanized steel with galvanized steel gussets and TA-255 Heavy Duty Urethane Casters.

OPTIONAL:

Laminated Hardwood Cutting Board is secured to stainless steel channels. Channels are welded to a stainless steel one-piece L-shaped tubular support which in turn is welded to a stainless steel sliding collar for height adjustments.

18 Gauge stainless steel Plate Shelf secured to stainless steel gusset and attached to stainless steel sliding collar for height adjustment.

2" thick stainless steel cutting surface welded to a stainless steel one-piece L-shaped tubular support which in turn is welded to a stainless steel sliding collar for height adjustments.

	L	24" Wide	Wt.	30" Wide	Wt.	30" Wide w/Casters	Wt.
STAINLESS STEEL	24"	ES-242	45 lbs.	ES-302	51 lbs.	ES-302C	66 lbs.
	36"	ES-243	60 lbs.	ES-303	68 lbs.	ES-303C	83 lbs.
	48"	ES-244	77 lbs.	ES-304	85 lbs.	ES-304C	100 lbs.
	60"	ES-245	86 lbs.	ES-305	102 lbs.	ES-305C	117 lbs.
	72"	ES-246	104 lbs.	ES-306	119 lbs.	ES-306C	134 lbs.
	84"	ES-247	112 lbs.	ES-307	142 lbs.	-	-
	96"	ES-248	137 lbs.	ES-308	164 lbs.	-	-
GALVANIZED	24"	EG-242	45 lbs.	EG-302	51 lbs.	-	-
	36"	EG-243	60 lbs.	EG-303	68 lbs.	-	-
	48"	EG-244	77 lbs.	EG-304	85 lbs.	-	-
	60"	EG-245	86 lbs.	EG-305	102 lbs.	-	-
	72"	EG-246	104 lbs.	EG-306	119 lbs.	-	-
	84"	EG-247	112 lbs.	EG-307	142 lbs.	-	-
	96"	EG-248	137 lbs.	EG-308	164 lbs.	-	-

OPTIONAL ACCESSORIES*

	1 1/2" WOOD CUTTING BOARD		PLATE SHELF	
L	24" Wide	Wt.	24" Wide	Wt.
24"	TA-922	28 lbs.	TA-962	22 lbs.
36"	TA-923	30 lbs.	TA-963	24 lbs.
48"	TA-924	34 lbs.	TA-964	27 lbs.
60"	TA-925	37 lbs.	TA-965	31 lbs.
72"	TA-926	40 lbs.	TA-966	40 lbs.
84"	TA-927	56 lbs.	TA-967	50 lbs.
96"	TA-928	64 lbs.	TA-968	57 lbs.

**Wood Cutting Board, Stainless Steel Cutting Surface & Plate Shelf Are Adjustable*



HEAVY DUTY CASTERS
Available on 2' - 6'
ES Series Equipment Stands



Featuring as Standard:
"THE PROVEN"
Original Advance Tabco
Adjustable Undershelf w/
Die Cast Leg Clamp

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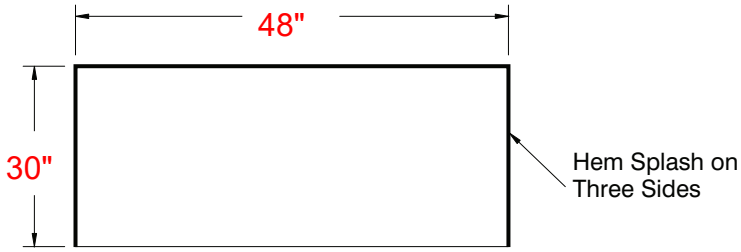
DETAILS and SPECIFICATIONS

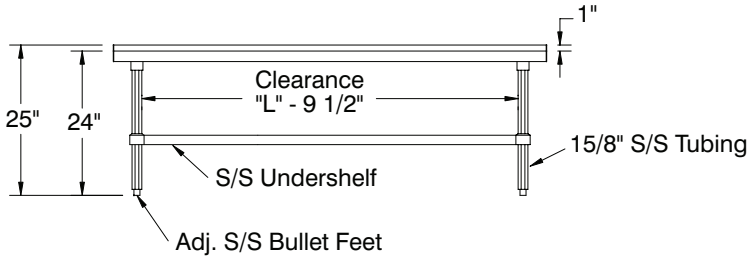
TOL ± .500”

ALL DIMENSIONS ARE TYPICAL

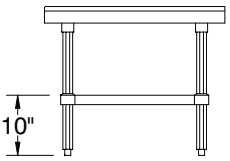
7 ft. units and longer are furnished with six (6) legs.

Maximum Total Load = 1000 lbs.



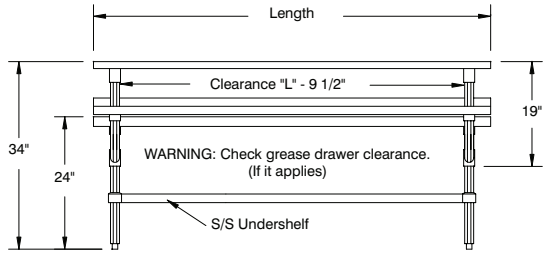


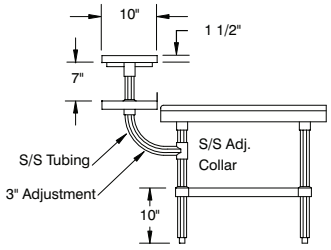
24” Working Height



with Plate Shelf & Wood Cutting Surface

Maximum Load Weight for Plate Shelf is 25 lbs.

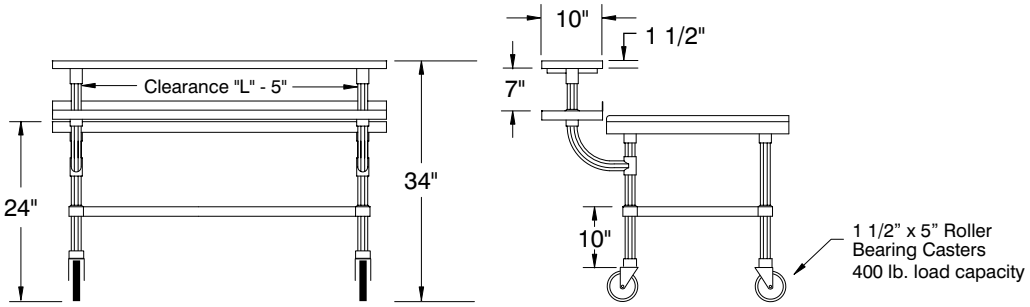




Wood Cutting Board

Mobile Unit

Optional X.H.D. Casters
TA-255 Set of 4
TA-256 Set of 6
Each Set supplied
with 2 brakes.



ADVANCE TABCO
SMART FABRICATION™

325 Wireless Boulevard, Hauppauge, NY 11788

ADVANCE TABCO is constantly engaged in a program of improving our products. Therefore, we reserve the right to change specifications without prior notice.

© ADVANCE TABCO, MAY 2022

Item # ___ #6 _____ C.S.I. Section 11420

RESTAURANT RANGES

36" ELECTRIC RESTAURANT RANGE
6 FRENCH PLATES



Model EV36S-6FP208
shown with adjustable legs

☐	**EV36S-6FP208**	6 French Plates / Standard Oversized Oven / 208V
☐	**EV36S-6FP240**	6 French Plates / Standard Oversized Oven / 240V
☐	**EV36S-6FP480**	6 French Plates / Standard Oversized Oven / 480V

STANDARD FEATURES

- Fully MIG welded aluminized steel frame for added durability
- Stainless steel front, sides, back riser, shelf and legs
- Six 9½" round, 2 KW French plates with infinite heat control switches. Four position heat switch on 480 volt.
- 5 KW oven with top browning control
- One standard oversized oven, interior measures 26½"w x 26⅜"d x 14"h
- Full width pull out stainless steel crumb tray
- Thermostat adjusts from 200°F to 500°F
- Cool to the touch control knobs
- One oven rack and three rack positions
- 18" x 26" sheet pans fit side to side and front to back
- Requires 208, 240 or 480 volt, 1 or 3 phase power supply. (Ranges shipped in 3 phase and are field convertible to single phase)
- One year limited parts and labor warranty

ACCESSORIES (Packaged & Sold Separately)

- ☐ Extra oven rack with two rack guides
- ☐ Set of four casters (two locking)
- ☐ 10" stainless steel stub back
- ☐ ESB36 salamander broiler
- ☐ Reinforced high shelf for ESB36 salamander broiler
- ☐ Towel bar
- ☐ Cutting board
- ☐ Condiment rail
- ☐ Fryer shield

SPECIFICATIONS

36" wide electric restaurant range, Vulcan Model No. EV36S-6FP208. Fully MIG welded aluminized steel frame for added durability. Stainless steel front, sides, back riser, plate shelf and 6" adjustable legs. Six 9½" round French plates, 2 KW input per plate. Full width pull out stainless steel crumb tray located beneath the cooking top. Comes with one standard oversized oven. Oven interior measures 26½"w x 26⅜"d x 14"h. Comes with one oven rack and three rack positions. Oven door is heavy duty with an integrated door hinge / spring mechanism, requiring no adjustments. 5 KW input. Top browning heat control. Thermostat adjusts from 200°F to 500°F. Oven controls are protected from heat in an insulated side compartment. Requires 208, 240 or 480 volt, 1 or 3 phase power supply. All ranges are shipped in 3 phase and are field convertible to single phase.

Exterior Dimensions:
34"d x 36"w x 58"h on 6" adjustable legs

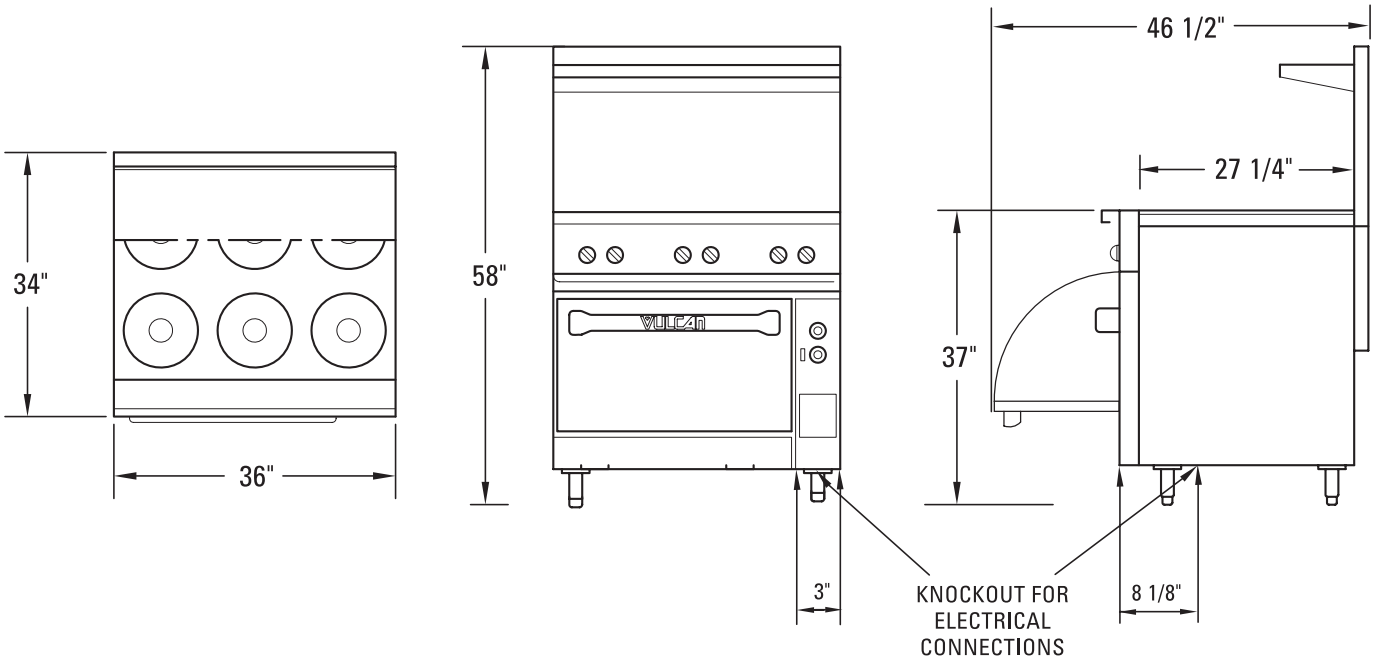
VULCAN
a division of ITW Food Equipment Group LLC
P.O. Box 696 ■ Louisville, KY 40201 ■ Toll-free: 1-800-814-2028 ■ Local: 502-778-2791 ■ Quote & Order Fax: 1-800-444-0602

36" ELECTRIC RESTAURANT RANGE
6 FRENCH PLATES

INSTALLATION INSTRUCTIONS

Clearances from Combustible Construction	Rear	Sides
Range with French Plates	0"	3"
Range with Griddle Tops	0"	3"
Range with Hot Tops	0"	6"

Ranges with an ESB Salamander Broiler mounted above: Refer to the ESB Salamander Broiler spec sheet for clearance specifications.



AVAILABLE VOLTAGES - 208, 240 OR 480 VOLT - 1 OR 3 PHASE									
3 PHASE LOADING						NOMINAL AMPS PER LINE WIRE			
MODEL NUMBER	VOLTAGE	TOTAL CONNECTING KW	KW PER PHASE			3 PHASE			1 PHASE
			X-Y	Y-Z	X-Z	X	Y	Z	
EV36S-6FP208	208	17.0	4.0	8.0	5.0	37.5	50.0	54.1	81.7
EV36S-6FP240	240	17.0	4.0	8.0	5.0	32.5	43.3	46.9	70.8
EV36S-6FP480	480	17.0	4.0	8.0	5.0	16.3	21.7	23.5	35.4

This appliance is manufactured for commercial use only and is not intended for home use.

VULCAN
a division of ITW Food Equipment Group LLC
P.O. Box 696 ■ Louisville, KY 40201 ■ Toll-free: 1-800-814-2028 ■ Local: 502-778-2791 ■ Quote & Order Fax: 1-800-444-0602

NOTE: In line with its policy to continually improve its products, Vulcan reserves the right to change materials and specifications without notice.

Printed On Recycled Paper

HOBART

Project _____

AIA # _____ SIS # _____

Item # #7 Quantity _____ C.S.I. Section 114000

COMMERCIAL DISHWASHERS

AM16T-BAS TALL BASE ELECTRIC

High Temperature Door-Style Dishwashing Machine



c UL us NSF ENERGY STAR

SPECIFIER STATEMENT

Specified unit will be a Hobart AM16 Tall Base electric high temperature dishwashing machine. Features include 3-sided pillarless hood, touchscreen controls with WiFi connectivity, NSF pot and pan rating for 2-, 4- & 6-minute cycles, 27" door opening, pumped drain, auto door start with auto fill, interchangeable stainless steel rinse arms and X-shaped wash arms, delime cycle, advanced diagnostics and service connection, up to 60 racks per hour, .67 U.S. gallons per rack pumped final rinse.

1 year parts and labor warranty.

STANDARD FEATURES

+ .67 gallons per rack pumped final rinse
+ 60 racks per hour – hot water sanitizing
+ User-friendly smart touchscreen controls
+ WiFi connectivity
+ SmartConnect app and cloud with machine status, temperature logs, error code reporting, and cost, consumption and usage analysis
+ Two stage filtration
+ Pillarless opening
+ 3-sided hood
+ Single point electrical connection standard, field convertible to dual point connection
+ 3 phase standard, field convertible to single phase
+ Temperature and chemical lock outs (with Hobart equipped chemical pumps)
+ Pumped drain
+ Timed wash cycles for 1, 2, 4 or 6 minutes
+ NSF pot and pan rating for 2-, 4- & 6- minute cycles
+ Sense-A-Temp™ 70°F rise electric booster heater
+ Self-draining, high efficiency wash pump with stainless steel impeller
+ 27" door opening for 18" x 26" sheet pans or 60-quart mixing bowl
+ Stainless steel drawn tank, tank shelf, chamber, trim panels, frame and feet
+ Spring counterbalanced chamber with UHMW guides
+ X-shaped revolving, interchangeable upper and lower anticlogging wash arms
+ Revolving, interchangeable upper and lower rinse arms
+ Slanted, self-locating, one-piece scrap screen and basket system
+ Automatic fill
+ Door actuated start
+ AutoClean
+ Vent fan control
+ Service diagnostics
+ Straight-through or corner installation
+ Delime cycle with notification (field activated)
+ Sheet pan rack

OPTIONS & ACCESSORIES (Available at extra cost)

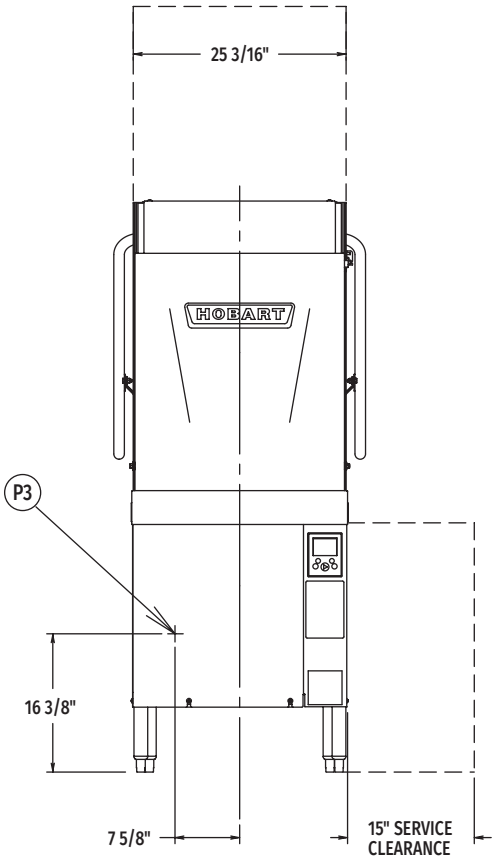
❑ Peg, combination and wine rack
❑ Chemical pumps
❑ Splash shield for corner installations
❑ Flanged and seismic feet
❑ Water hammer arrestor kit
❑ Rapid fill kit
❑ Sink integration kit
  + Sink saddle & 3" leg extension
  + Sink rail kit
  + Fold down table
❑ Drain water tempering kit
❑ Door lock kit
❑ Prison package
❑ Marine package
❑ Pumped drain air gap kit

AM16 SERIES – AM16T-BAS TALL BASE ELECTRIC

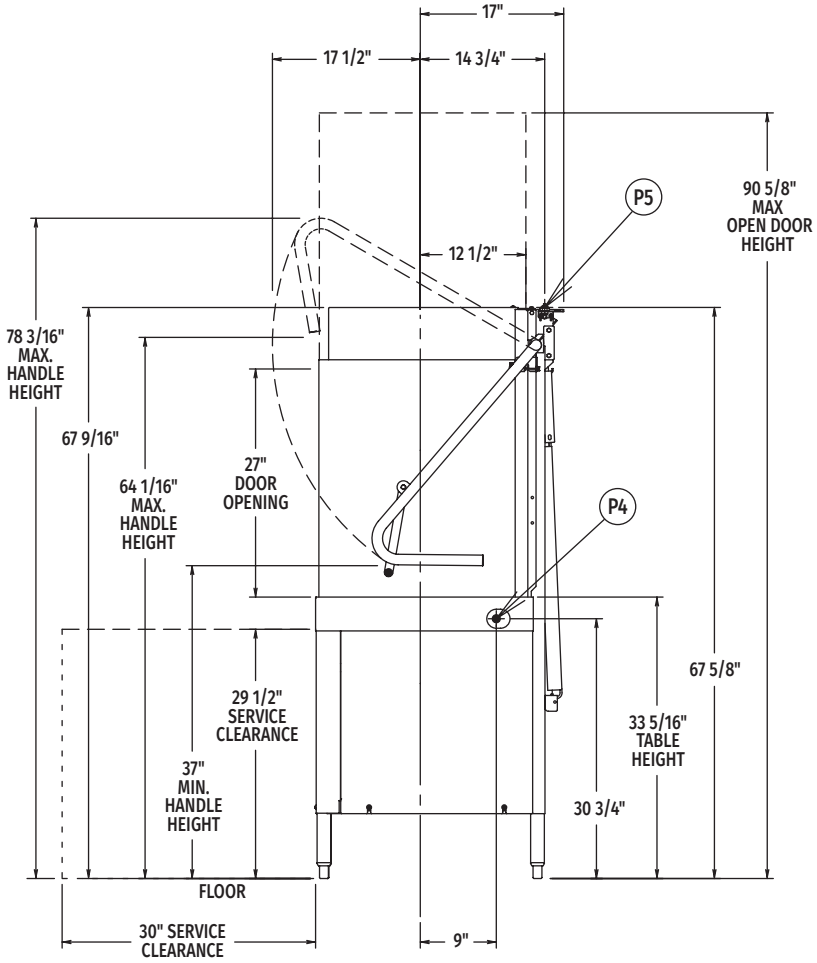
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AM16T-BAS TALL BASE ELECTRIC

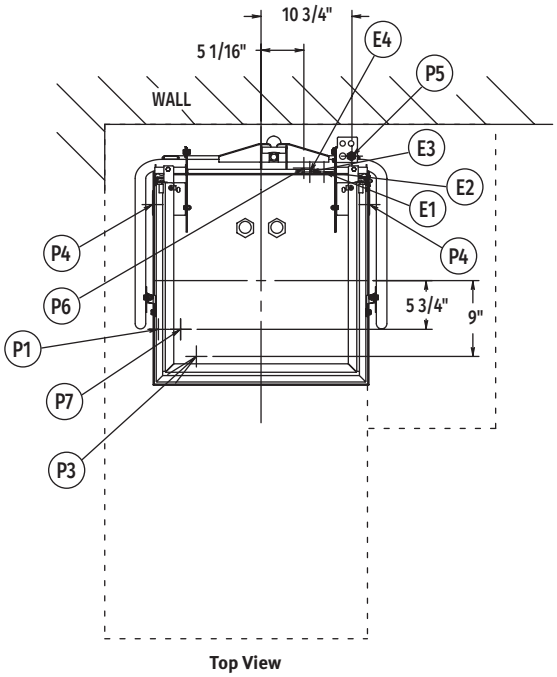
High Temperature
Door-Style Dishwashing Machine



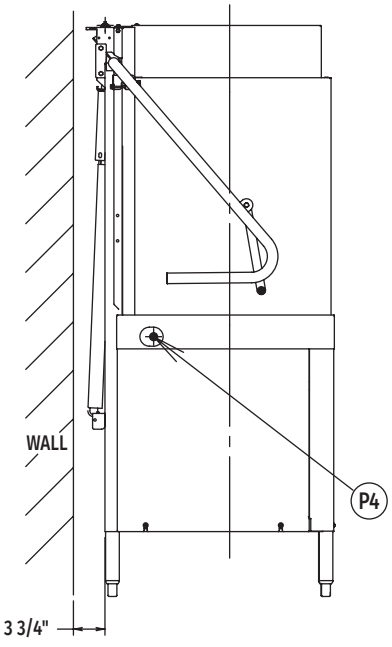
Front View



Right Side View



Top View



Left Side View

MODEL:
AM16T-BAS
E-950440

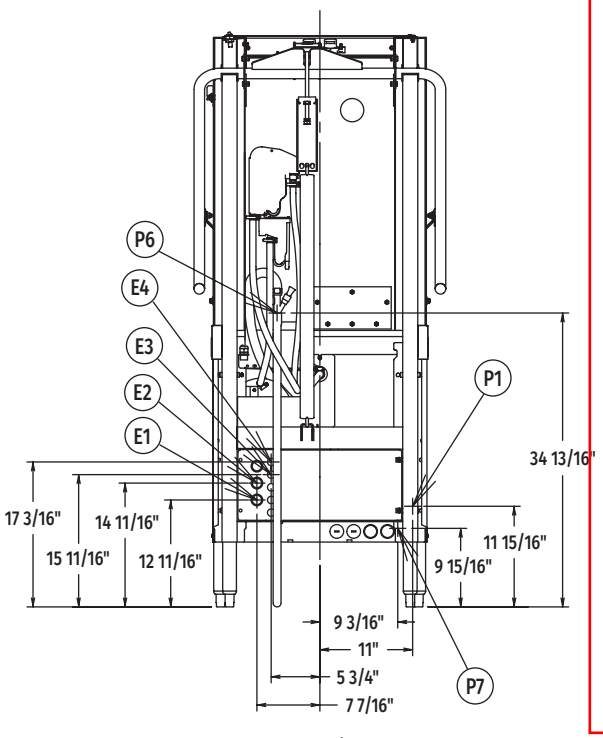
CAD and/or Revit Files Available

AM16T-BAS TALL BASE ELECTRIC

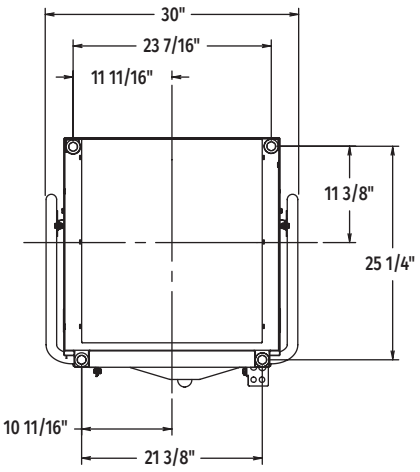
High Temperature
Door-Style Dishwashing Machine

WARNING: Electrical and grounding connections must comply with the applicable portion of the National Electrical Code and/or other local electrical codes.

Plumbing connections must comply with applicable sanitary, safety, and plumbing codes.



Rear View



Bottom View

Miscellaneous Note: For optimal performance, Hobart recommends maintaining a dishroom temperature of 65°F (18°C) or higher, as lower temperatures may hinder the machine's capacity to operate effectively (with lower performance as ambient temperature decreases).

LEGEND

Electrical Connections	
E1	Electrical connection: wash pump motor & sump heater, 1" or 3/4" conduit hole; 12-11/16" AFF.
E2	Electrical connection: electric booster & controls only or single point electrical connection (3PH only) 1" or 3/4" conduit hole; 14-11/16" AFF.
E3	Electrical connection: detergent & rinse agent feeders, (DPS1 & DPS2) 1.5 amps @ nameplate supply voltage, (RPS1 & RPS2) 1.5 amps @ nameplate supply voltage; 1/2" conduit hole, 15-11/16" AFF.
E4	Electrical connection: vent fan control (VFC1 & VFC2) switching circuit only 1.5 amps @ nameplate supply voltage; 1/2" conduit hole, 17-3/16" AFF.
Plumbing Connections	
P1	Common water connection including booster heater: 110°F water minimum, 15-65 PSI recommended; 3/4" female garden hose fitting on 6' long hose supplied with machine; 11-15/16" AFF.
P3	Detergent probe sensor: remove cap and stud assembly to access 7/8" hole; 16-3/8" AFF.
P4	Detergent feeder: two locations available. Remove cap and stud assembly to access 7/8" hole; 30-3/4" AFF.
P5	Rinse agent feeder: remove 1/8" NPT pipe plug to access 1/8" NPT tapped hole; 67-5/8" AFF.
P6	Drain connection: 5/8" barb fitting with 6' long hose supplied with machine; 34-13/16" AFF. Maximum height 40" AFF.
P7	Optional – cold water connection: 55°F water minimum (drain water tempering - when ordered); 3/4" female garden hose fitting on 8' long hose; 9-5/16" AFF.

SPECIFICATIONS

Capacities
- Racks Per Hour (maximum) 60
- Dishes per Hour (average 25 per rack) 1,500
- Glasses per Hour (average 45 per rack) 2,700
- Wash Tank (U.S. gallons) 10.5

Motor Horsepower
- Rinse Pump 0.18
- Wash Pump 2
- Drain Pump 0.21

Rinse
- Gallons per Rack 0.67
- Gallons per Hour (maximum consumption) 40.2

Peak Rate of Drain Flow
- Gallons per Minute (initial rate with full tank) 18.5

Heating
- Electric Booster (kW) 7.1
- Electric Heating Unit (kW) 5.4

Exhaust Requirements . . . . . 450 CFM

Shipping Weight (approximate) . . . . . 357 lbs.

Crated Dimensions . . . . . 73.75"H x 36.5"W x 36.5"L

As continued product improvement is a policy of Hobart, specifications are subject to change without notice.

AM16T-BAS TALL BASE ELECTRIC

High Temperature Door-Style Dishwashing Machine

E1	AM16 with Electric Heat (When Field Converted to Dual Point)		
Voltage	Rated Amps	Minimum Supply Circuit Ampacity	Maximum Protective Device
208-240/60/1	39.6	50	50
208-240/60/3	26.9	30	30
480/60/3	10.5	15	15
200-240/50/3*	22.1	30	30
380-415/50/3*	11.8	20	20

E2	Electric Booster & Controls (When Field Converted to Dual Point)		
Voltage	Rated Amps	Minimum Supply Circuit Ampacity	Maximum Protective Device
208-240/60/1	42.3	50	50
208-240/60/3	25.6	30	30
480/60/3	12.9	15	15
200-240/50/3*	25.6	30	30
380-415/50/3*	14.7	20	20

*These electrical specifications are not submitted for UL or CUL listing

E2	AM16 Single Point Electrical Service Connection as Shown Below		
Voltage	Rated Amps	Minimum Supply Circuit Ampacity	Maximum Protective Device
208-240/60/3	52.5	60	60
480/60/3	23.5	30	30
200-240/50/3*	47.7	60	60
380-415/50/3*	26.5	30	30

*These electrical specifications are not submitted for UL or CUL listing

Miscellaneous Notes: All dimensions taken from floor line may increase 7/8" or decrease 3/8" depending on leg adjustment.

Vent hood (if required) to provide a minimum 450 CFM exhaust (ref installation instructions).

Net weight of machine including booster: 340 lbs.
Domestic shipping weight including booster: 360 lbs.

Size of racks – 19-3/4" x 19-3/4".

Approximate Heat Gain to Space without Vent Hood	
Type	BTU/Hr.
Latent	12,300
Sensible	5,700

Plumbing Notes: Water hammer arrestor (meeting ASSE-1010 standard or equivalent) to be supplied (by others) in common water supply line at service connection.

Recommended water hardness to be 3 grains or less for best results.

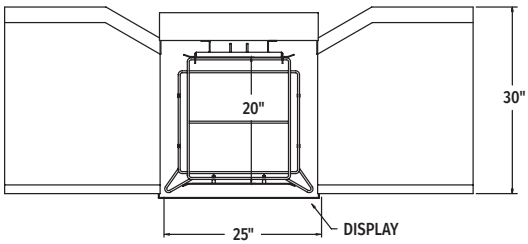
Note: Electric heating unit & booster (kW) calculated at 208V.

Recommended building flowing water pressure to the dishwasher at or above 20 PSI. Pressures lower than 20 PSI may affect machine fill/start-up times.

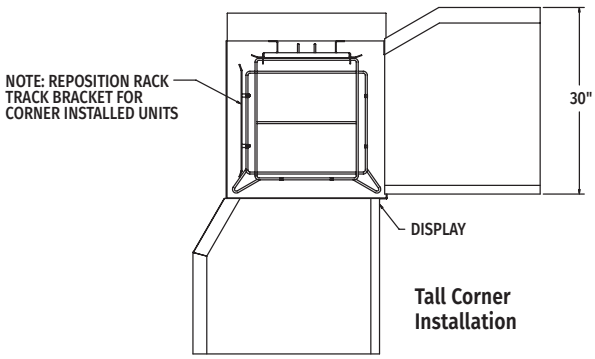
This is a pumped rinse machine. Pressure regulating valve is not necessary on hot or cold lines.

For convenience when cleaning, water tap should be installed near machine with heavy duty hose and squeeze valve.

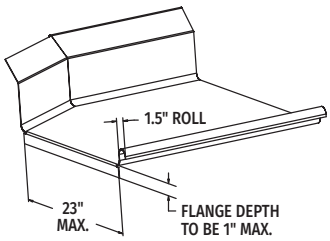
AM16T-BAS TABLING CONFIGURATIONS AND TRACK DESIGN



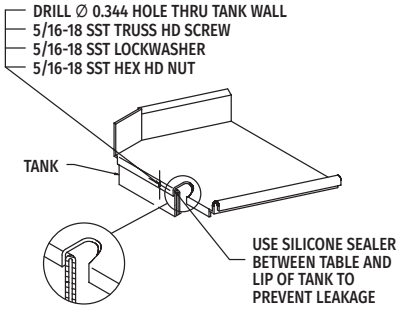
Pass Thru Installation



Tall Corner Installation



Suggested Table Design



As continued product improvement is a policy of Hobart, specifications are subject to change without notice.

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STAINLESS STEEL

DISHTABLES
CLEAN STRAIGHT

NEW *Tile Edge Design* NSF

Item #: #8 Qty #: _____
Model #: _____
Project #: _____



DTC-S60-60R Shown
Optional Undershelf Shown

Spec-Line: 14 ga. 304 Series Stainless Steel Top.
16 ga. 304 Stainless Steel Legs Stainless Steel Legs with Welded Cross Bracing & Stainless Steel Bullet Feet.

UPGRADED!
Standard: 16 ga. 304 Series Stainless Steel Top.
16 ga. 304 Stainless Steel Legs Stainless Steel Legs with Welded Cross Bracing & Stainless Steel Bullet Feet.

Super Saver: 16 ga. 304 Series Stainless Steel Top.
Galvanized Legs with Plastic Bullet Feet.

FEATURES:

Tile edge for ease of installation.
Dishtable system consists of SOIL and CLEAN sections.
Table is furnished with 10-1/2" splash with a 2" return.

CONSTRUCTION:

All TIG welded.
Welded areas blended to match adjacent surfaces and to a satin finish.
Stainless Steel Gussets welded to a stainless steel support channel.

Optional Stainless Steel UNDERSHELF Die Cast LEG CLAMP
secured to shelf eliminates unsightly nuts & bolts



10-1/2"" EXTRA LARGE Bold Looking Backsplash with 2" return and tile edge



ACCESSORIES	Model #	Qty
Faucet		
Wall Shelf		
Undershelf		

Nominal sizing on all dishtables for ease of installation.

		14 Gauge 304 16 Ga. Stainless Steel Legs	16 Gauge 304 Stainless Steel Legs	16 Gauge 304 Galvanized Legs	
Nominal Size	"L"	SPEC-LINE	STANDARD	SUPER SAVER	Approx. Wt.
2 Ft.	23"	DTC-S30-24L or R	DTC-S70-24L or R	DTC-S60-24L or R	35 lbs.
3 Ft.	35"	DTC-S30-36L or R	DTC-S70-36L or R	DTC-S60-36L or R	45 lbs.
4 Ft.	47"	DTC-S30-48L or R	DTC-S70-48L or R	DTC-S60-48L or R	60 lbs.
5 Ft.	59"	DTC-S30-60L or R	DTC-S70-60L or R	DTC-S60-60L or R	70 lbs.
6 Ft.	71"	DTC-S30-72L or R	DTC-S70-72L or R	DTC-S60-72L or R	85 lbs.
7 Ft.	83"	DTC-S30-84L or R	DTC-S70-84L or R	DTC-S60-84L or R	100 lbs.
8 Ft.	95"	DTC-S30-96L or R	DTC-S70-96L or R	DTC-S60-96L or R	110 lbs.
9 FT.	107"	DTC-S30-108L or R	DTC-S70-108L or R	DTC-S60-108L or R	225 lbs.
10 Ft.	119"	DTC-S30-120L or R	DTC-S70-120L or R	DTC-S60-120L or R	250 lbs.
12 Ft.	143"	DTC-S30-144L or R	DTC-S70-144L or R	DTC-S60-144L or R	260 lbs.

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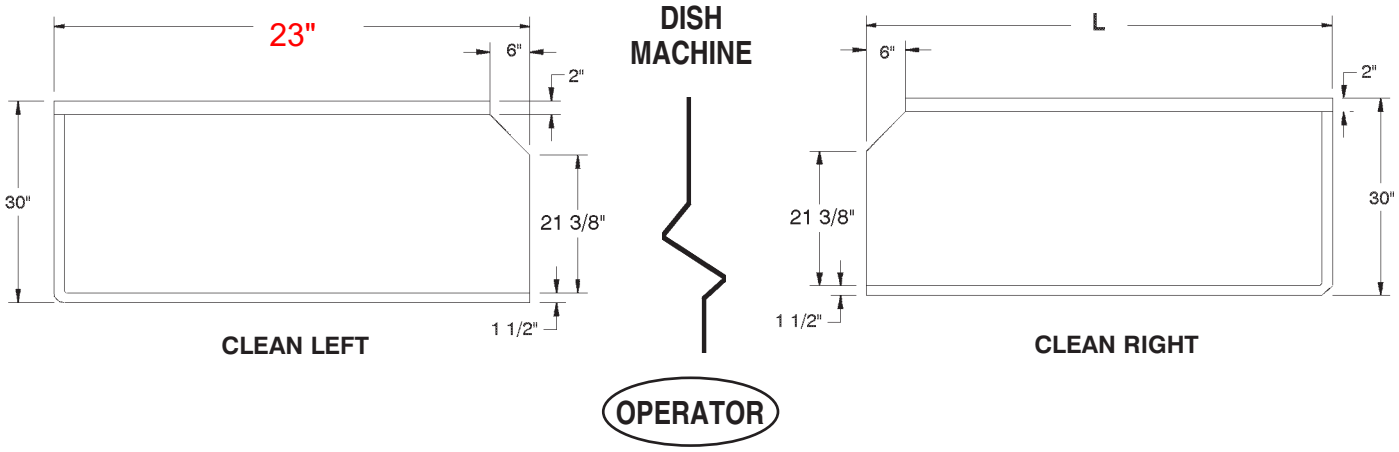
DIMENSIONS and SPECIFICATIONS

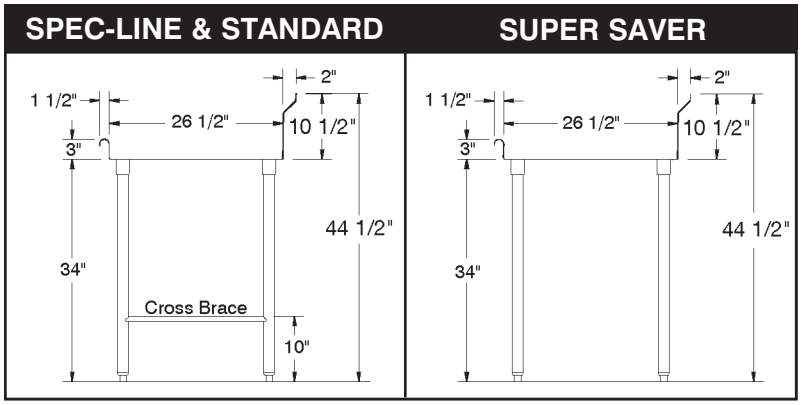
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ALL DIMENSIONS ARE TYPICAL

SEE DISH MACHINE COMPATIBILITY CHART TO ENSURE PROPER FIT

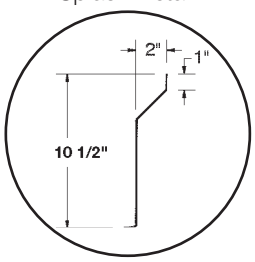
Dish Machine Compatibility Chart can be found on our website at www.advancetabco.com under “Product Support”





CUSTOMIZE YOUR OWN SYSTEM
by Ordering Optional Accessories from our
PRODUCT & PRICE GUIDE

Splash Detail



Description	SPEC-LINE	STANDARD	SUPER SAVER
Material	**14 Ga. 304 Series**	**16 Ga. 304 Series**	**16 Ga. 304 Series**
1 5/8” Dia. Legs	Stainless Steel	Stainless Steel	Galvanized
Gussets	Stainless Steel	Stainless Steel	Stainless Steel
Bullet Feet (1” adj.)	Stainless Steel	Stainless Steel	Plastic
Cross Bracing	Welded	Welded	Optional

ADVANCE TABCO
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STAINLESS STEEL

DISHTABLES
CLEAN STRAIGHT

NEW *Tile Edge Design* NSF

Item #: #9 Qty #: _____
Model #: _____
Project #: _____



DTC-S60-60R Shown
Optional Undershelf Shown

Spec-Line: 14 ga. 304 Series Stainless Steel Top.
16 ga. 304 Stainless Steel Legs Stainless Steel Legs with Welded Cross Bracing & Stainless Steel Bullet Feet.

UPGRADED!
Standard: 16 ga. 304 Series Stainless Steel Top.
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Galvanized Legs with Plastic Bullet Feet.

FEATURES:

Tile edge for ease of installation.
Dishtable system consists of SOIL and CLEAN sections.
Table is furnished with 10-1/2" splash with a 2" return.

CONSTRUCTION:

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Welded areas blended to match adjacent surfaces and to a satin finish.
Stainless Steel Gussets welded to a stainless steel support channel.

Optional Stainless Steel UNDERSHELF Die Cast LEG CLAMP
secured to shelf eliminates unsightly nuts & bolts



10-1/2"" EXTRA LARGE Bold Looking Backsplash with 2" return and tile edge



ACCESSORIES	Model #	Qty
Faucet		
Wall Shelf		
Undershelf		

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4 Ft.	47"	DTC-S30-48L or R	DTC-S70-48L or R	DTC-S60-48L or R	60 lbs.
5 Ft.	59"	DTC-S30-60L or R	DTC-S70-60L or R	DTC-S60-60L or R	70 lbs.
6 Ft.	71"	DTC-S30-72L or R	DTC-S70-72L or R	DTC-S60-72L or R	85 lbs.
7 Ft.	83"	DTC-S30-84L or R	DTC-S70-84L or R	DTC-S60-84L or R	100 lbs.
8 Ft.	95"	DTC-S30-96L or R	DTC-S70-96L or R	DTC-S60-96L or R	110 lbs.
9 FT.	107"	DTC-S30-108L or R	DTC-S70-108L or R	DTC-S60-108L or R	225 lbs.
10 Ft.	119"	DTC-S30-120L or R	DTC-S70-120L or R	DTC-S60-120L or R	250 lbs.
12 Ft.	143"	DTC-S30-144L or R	DTC-S70-144L or R	DTC-S60-144L or R	260 lbs.

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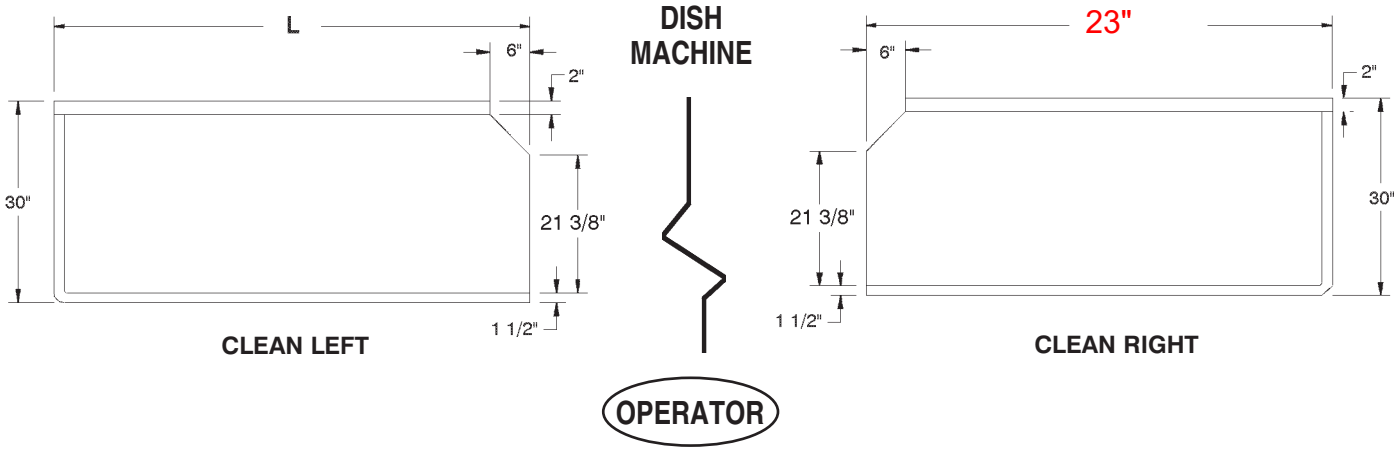
DIMENSIONS and SPECIFICATIONS

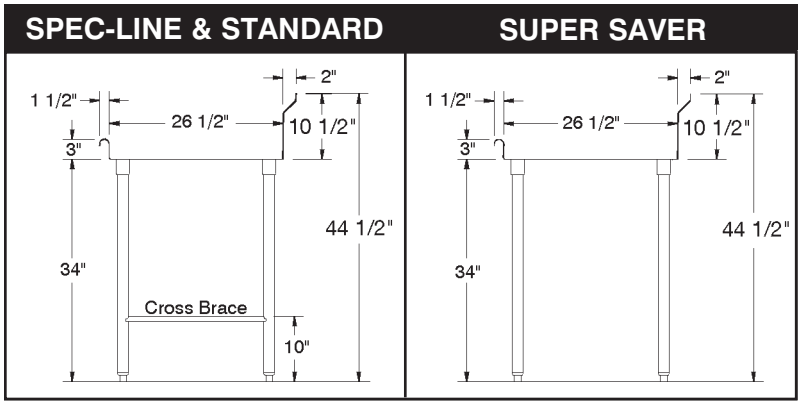
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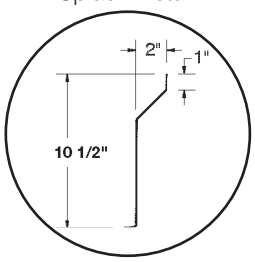
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Gussets	Stainless Steel	Stainless Steel	Stainless Steel
Bullet Feet (1” adj.)	Stainless Steel	Stainless Steel	Plastic
Cross Bracing	Welded	Welded	Optional

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ABBREVIATIONS

ABC	AGGREGATE BASE COURSE
ACT	ACOUSTIC CEILING TILE
A/C	AIR CONDITIONING
ADD	ADDENDUM
AFF	ABOVE FINISH FLOOR
AG	ARCHITECTURAL GLASS
AGG	AGGREGATE
ALT	ALTERNATE
ALUM	ALUMINUM
AP	ACRYLIC PANEL
ARCH	ARCHITECT
ASF	ARCHITECTURAL SURFACE FINISH
ASP	ASPHALT
AWC	ACOUSTIC WALLCOVERING
AWP	ACOUSTIC WALL PANEL
&	AND
@	AT
BD	BOARD
BLDG	BUILDING
BLKG	BLOCKING
BM	BEAM
BO	BOTTOM OF
BR	BUMPER RAILS
BRC	BRUSHED CONCRETE
BSMT	BASEMENT
CBT	CERAMIC BASE TILE
CC	CUBICLE CURTAIN
CCT	CUBICLE CURTAIN TRACK
CEM	CEMENT/CEMENTITIOUS
CER	CERAMIC
CFT	CERAMIC FLOOR TILE
CG	CORNER GUARD
CHR	CHAIR RAIL
CHAN	CHANNEL
CIP	CAST IN PLACE
CJ	CONTROL JOINT
	CONSTRUCTION JOINT
CL	CENTER LINE
CLG	CEILING
CLOS	CLOSET
CLP	COMPACT LAMINATE PANEL
CLR	CLEAR
CM	CENTIMETER
CMU	CONCRETE MASONRY UNIT
CO	CLEAN OUT
COL	COLUMN
CONC	CONCRETE
CONST	CONSTRUCTION
CONT	CONTINUOUS
CPT	CARPET
CR	CRASH RAIL
CS	CONCRETE SEALER
CST	CULTURED STONE
CWT	CERAMIC WALL TILE
DB	DECIBEL
DGP	DECORATIVE GLASS PANEL
DIA	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DISP	DISPENSER
DN	DOWN
DP	DAMP PROOFING
DPC	DYED AND POLISHED CONCRETE
DR	DRAPERY
DS	DOWNSPOUT
DWG	DRAWING
EA	EACH
ELEC	ELECTRIC
ELEV	ELEVATION
EJ	EXPANSION JOINT
EQ	EQUAL
EQUIP	EQUIPMENT
ETR	EXISTING TO REMAIN
EWC	ELECTRIC WATER COOLER
EXH	EXHAUST
EXIST	EXISTING
EXP	EXPOSED
EXPAN	EXPANSION
EXT	EXTERIOR
FA	FIRE ALARM
FACP	FIRE ALARM CONTROL PANEL
FD	FLOOR DRAIN
FEC	FIRE EXTINGUISHER CABINET
FHC	FIRE HOSE CAB
FIN	FINISH
FIXT	FIXTURE
FL	FLASHING
FLR	FLOOR
FND	FOUNDATION
FR	FRAME
FRP	FIBERGLASS REINFORCED PANELS
FT	FEET / FOOT
FTG	FOOTING
FV	FIELD VERIFY
FWP	FABRIC WALL PANEL
G	GRAM
GA	GAUGE
GALV	GALVANIZED
GD	GRADE
GL	GLASS / GLAZING
GLT	GLASS WALL TILE
GND	GROUND
GRL	GRILLE
GT	GROUT
GWB	GYPSUM BOARD
GYP	GYPSUM
HB	HOSE BIB
HDN	HARDENER
HDW	HARDWARE
HDWD	HARDWOOD
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HP	HIGH POINT
HR	HANDRAIL
HT	HEIGHT
HTR	HEATER
HW	HOT WATER
IB	INTEGRAL BASE
IN	INCH / INCHES
INSUL	INSULATION
INT	INTERIOR
INV	INVERT
IS	INTEGRAL SINK
JAN	JANITOR
JT	JOINT
JST	JOIST
KP	KICK PLATE
LAM	LAMINATED
LAV	LAVATORY
LB	POUND
LG	LENGTH
LNM	LINOLEUM
LOC	LOCATION
LT	LIGHT
LVR	LOUVER
LVT	LUXURY VINYL TILE
LWC	LIGHT WEIGHT CONCRETE
M	METER
MAT	MATERIAL
MAX	MAXIMUM
MB	MARKER BOARD
MC	METAL CABINETS
MECH	MECHANICAL
MFR	MANUFACTURER
MIN	MINIMUM
MLDG	MOULDING
MO	MASONRY OPENING
MP	MOVEABLE PARTITION
MT	METAL TRIM
MTB	METAL BASE
MTL	METAL
MTL LATH	METAL LATH
MULL	MULLION
NF	NO FINISH
NG	NATURAL GRADE
NIC	NOT IN CONTRACT
NO / #	NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE
OBS	OBSCURE
OC	ON CENTER
OPNG	OPENING
OA	OVERALL
OFS	OVERFLOW SCUPPER
OD	OVERFLOW DRAIN
OHD	OVERHEAD DOOR
PBT	PORCELAIN BASE TILE
PC	POLISHED CONCRETE
PD	PAINT DETAIL / PAINT WALL GRAPHIC
PFT	PORCELAIN FLOOR TILE
PG	PAGE
PL	PROPERTY LINE
PLAM	PLASTIC LAMINATE
PLBG	PLUMBING
PLYWD	PLYWOOD
PNL	PANEL
PR	PAIR
PSF	POUNDS PER SQ FT
PSI	POUNDS PER SQ IN
PSTR	PLASTER
PT-X	PAINT (No acronym after number always stands for eggshell finish)
PT-XA	PAINT (‘A’ always stands for epoxy finish)
PT-XB	PAINT (‘B’ always stands for semi-gloss finish)
PT-XC	PAINT (‘C’ always stands for flat finish)
PT-XD	PAINT (‘D’ as needed per project if not listed above)
PTN	PARTITION
PWT	PORCELAIN WALL TILE
QBT	QUARRY BASE TILE
QT	QUARRY TILE
QTZ	QUARTZ
R	RISER, RISERS
RAD	RADIUS
RB	RESILIENT BASE
RBF	RUBBER FLOOR
RD	ROOF DRAIN
RE	REFER TO
REG	REGISTER
REQ'D	REQUIRED
RES	RESINOUS FLOOR
	RESINOUS WALLCOVERING
REV	REVISION
RF'G	ROOFING
RGH	ROUGH
RM	ROOM
RND	ROUND
RO	ROUGH OPENING
RSF	RESILIENT SHEET FLOOR
RST	RUBBER STAIR TREAD
S	STAINLESS STEEL SINK
SC	SHOWER CURTAIN
SCHED	SCHEDULE
SCR	SCREW
SCT	SHOWER CURTAIN TRACK
SDG	SIDING
SECT	SECTION
SEL	SELECT
SHG	SHEATHING
SHT	SHEET
SIM	SIMILAR
SLDG	SLIDING
SM	SMOOTH
SP	SAFETY PADDING
SPC	SPECIALTY CEILING
SPEC	SPECIFICATION
SPF	SPORTS FLOOR
SQ	SQUARE
SSF	SOLID SURFACE
SST	STAINLESS STEEL
	STAINLESS STEEL CABINET
	STAINLESS STEEL COUNTERTOP
ST	STAINED
STC	STAINED CONCRETE
STD	STANDARD
STN	STONE
STRUC	STRUCTURE
SUSP	SUSPENDED
SW BD	SWITCHBOARD
SYS	SYSTEM
T	TREAD
TB	TACK BOARD
TC	TOP OF CURB
TCF	TEXTILE COMPOSITE FLOORING
TF	TACK FABRIC
TG	TEMPERED GLASS
TO	TOP OF
TP	TOILET PARTITION
TRS	TRANSITION STRIP
TRZ	TERRAZZO FLOORING
TSD	TOP OF STEEL DECK
TUF	TURF
TW	TEACHERS WARDROBE
TYP	TYPICAL
TZB	TERRAZZO BASE
UNO	UNLESS NOTED OTHERWISE
UP	UPHOLSTERY
UCS	ULTRACOMPACT SURFACE
V	VENT
VCP	VITREOUS CLAY PIPE
VCT	VINYL COMPOSITION TILE
VG	VERTICAL GRAIN
VERT	VERTICAL
VEST	VESTIBULE
VET	VINYL ENHANCED TILE
VQT	VINYL QUARTZ TILE
VWC	VINYL WALLCOVERING
WC	WALLCOVERING
WCT	WAINSCOT
WD	WOOD
WDB	WOOD BASE
WDC	WOOD CEILING
WDF	WOOD FLOOR
WDP	WOOD PANELS
WDS	WOOD STAIN
WDV	WOOD VENEER
WDW	WINDOW
WF	WINDOW FILM
WH	WATER HEATER
WOC	WALK OFF CARPET
WOM	WALK OFF MAT
WP	WALL PROTECTION
WS	WALLGLASS SYSTEM
WT	WINDOW TREATMENT
WW	WINDOW WALL
WWM	WELDED WIRE MESH
W/	WITH
W/O	WITHOUT

LOCATION PLAN



NORTH

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1

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MIKE KEHOE, GOVERNOR

STATE OF MISSOURI
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OFFICE OF ADMINISTRATION DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION

DEPARTMENT OF Corrections

JOPLIN COMMUNITY SUPERVISION CENTER

2303 WEST 20TH STREET
JOPLIN, MO 64801

PROJECT # C2512-01
SITE # 7033
ASSET # 9327033001

Revision

Number	Revision Date	Revision Description
1	10/12/26	Addendum 1

CAD DWG FILE:
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CHECKED BY: JS, DS
DESIGNED BY: ACI BOLAND

SHEET TITLE:
GENERAL NOTES

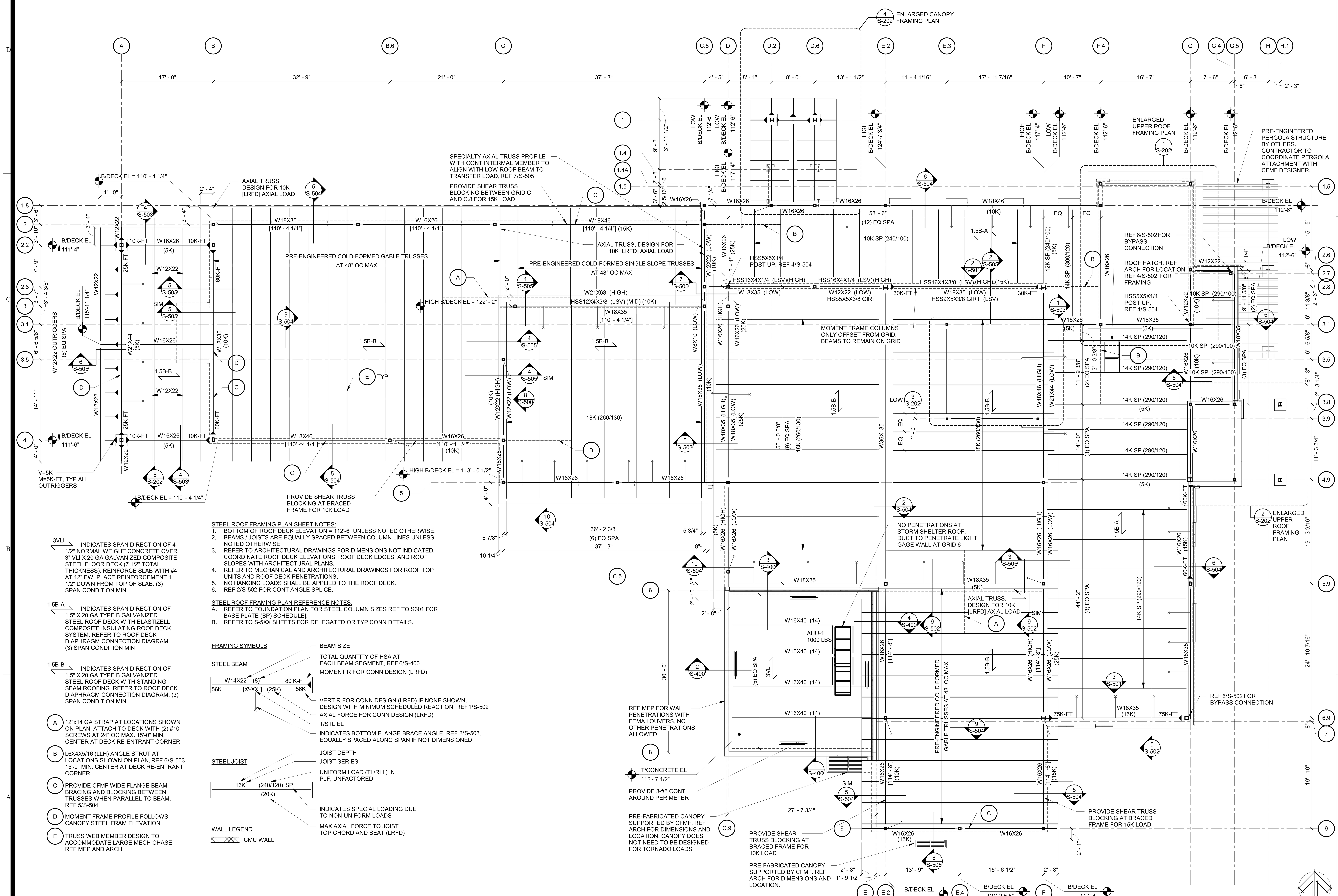
SHEET NUMBER:
G-001

September 30, 2026

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STEEL ROOF FRAMING PLAN SHEET NOTES:

1. BOTTOM OF ROOF DECK ELEVATION = 112'-6" UNLESS NOTED OTHERWISE.
2. BEAMS / JOISTS ARE EQUALLY SPACED BETWEEN COLUMN LINES UNLESS NOTED OTHERWISE.
3. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS NOT INDICATED. COORDINATE ROOF DECK ELEVATIONS, ROOF DECK EDGES, AND ROOF SLOPES WITH ARCHITECTURAL PLANS.
4. REFER TO MECHANICAL AND ARCHITECTURAL DRAWINGS FOR ROOF TOP UNITS AND ROOF DECK PENETRATIONS.
5. NO HANGING LOADS SHALL BE APPLIED TO THE ROOF DECK.
6. REF 2/S-502 FOR CONT ANGLE SPLICE.

STEEL ROOF FRAMING PLAN REFERENCE NOTES:

A. REFER TO FOUNDATION PLAN FOR STEEL COLUMN SIZES REF TO S301 FOR BASE PLATE (BP) SCHEDULE].
B. REFER TO S-5XX SHEETS FOR DELEGATED OR TYP CONN DETAILS.

3VLI — INDICATES SPAN DIRECTION OF 4 1/2" NORMAL WEIGHT CONCRETE OVER 3" VLI X 20 GA GALVANIZED COMPOSITE STEEL FLOOR DECK (7 1/2" TOTAL THICKNESS). REINFORCE SLAB WITH #4 AT 12" EW. PLACE REINFORCEMENT 1 1/2" DOWN FROM TOP OF SLAB. (3) SPAN CONDITION MIN

1.5B-A — INDICATES SPAN DIRECTION OF 1.5" X 20 GA TYPE B GALVANIZED STEEL ROOF DECK WITH ELASTIZELL COMPOSITE INSULATING ROOF DECK SYSTEM. REFER TO ROOF DECK DIAPHRAGM CONNECTION DIAGRAM. (3) SPAN CONDITION MIN

1.5B-B — INDICATES SPAN DIRECTION OF 1.5" X 20 GA TYPE B GALVANIZED STEEL ROOF DECK WITH STANDING SEAM ROOFING. REFER TO ROOF DECK DIAPHRAGM CONNECTION DIAGRAM. (3) SPAN CONDITION MIN

(A) 12"x14 GA STRAP AT LOCATIONS SHOWN ON PLAN. ATTACH TO DECK WITH (2) #10 SCREWS AT 24" OC MAX. 15'-0" MIN, CENTER AT DECK RE-ENTRANT CORNER

(B) L6X4X5/16 (LLH) ANGLE STRUT AT LOCATIONS SHOWN ON PLAN, REF 6/S-503. 15'-0" MIN, CENTER AT DECK RE-ENTRANT CORNER.

(C) PROVIDE CFMF WIDE FLANGE BEAM BRACING AND BLOCKING BETWEEN TRUSSES WHEN PARALLEL TO BEAM, REF 5/S-504

(D) MOMENT FRAME PROFILE FOLLOWS CANOPY STEEL FRAM ELEVATION

(E) TRUSS WEB MEMBER DESIGN TO ACCOMMODATE LARGE MECH CHASE, REF MEP AND ARCH

FRAMING SYMBOLS

STEEL BEAM

W14X22 (8) 80 K-FT / 56K [X'-XX"] (25K) 56K

- BEAM SIZE
- TOTAL QUANTITY OF HSA AT EACH BEAM SEGMENT, REF 6/S-400
- MOMENT R FOR CONN DESIGN (LRFD)
- VERT R FOR CONN DESIGN (LRFD) IF NONE SHOWN, DESIGN WITH MINIMUM SCHEDULED REACTION, REF 1/S-502
- AXIAL FORCE FOR CONN DESIGN (LRFD)
- T/STL EL
- INDICATES BOTTOM FLANGE BRACE ANGLE, REF 2/S-503. EQUALLY SPACED ALONG SPAN IF NOT DIMENSIONED

STEEL JOIST

16K (240/120) SP / (20K)

- JOIST DEPTH
- JOIST SERIES
- UNIFORM LOAD (TL/RLL) IN PLF, UNFACTORED
- INDICATES SPECIAL LOADING DUE TO NON-UNIFORM LOADS
- MAX AXIAL FORCE TO JOIST TOP CHORD AND SEAT (LRFD)

WALL LEGEND

CMU WALL

1 ROOF FRAMING PLAN

1/8" = 1'-0"

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STATE OF MISSOURI
MIKE KEHOE,
GOVERNOR

STATE OF MISSOURI — DARCEY L. SCHUMACHER — NUMBER PE-2008024305 — PROFESSIONAL ENGINEER

10.09.2026

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DESIGN AND CONSTRUCTION

DEPARTMENT OF Corrections

JOPLIN COMMUNITY SUPERVISION CENTER

2303 WEST 20TH STREET
JOPLIN, MO 64801

PROJECT #	C2512-01
SITE #	7033
ASSET #	9327033001

Revision

Number	Revision Date	Revision Description
1	10/12/2026	ADDENDUM 1

ISSUE DATE: SEPTEMBER 30, 2026

CAD DWG FILE:
DRAWN BY: RPT
CHECKED BY: DLS
DESIGNED BY: RLH

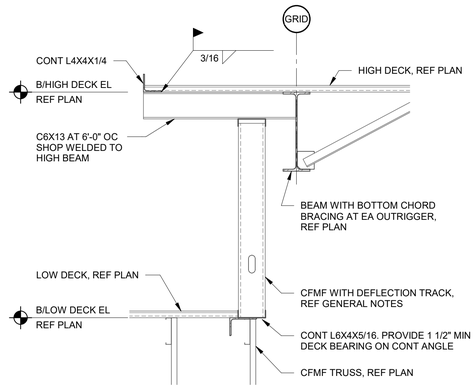
SHEET TITLE:
ROOF FRAMING PLAN

SHEET NUMBER: 1
S-102

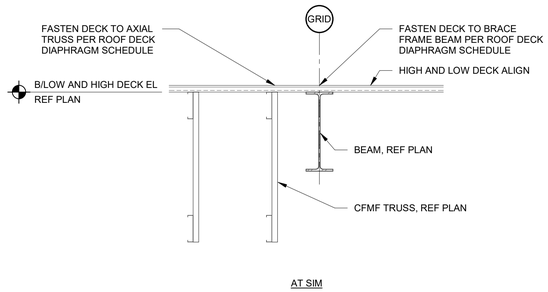
SEPTEMBER 30, 2026

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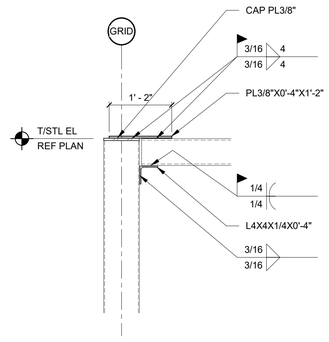
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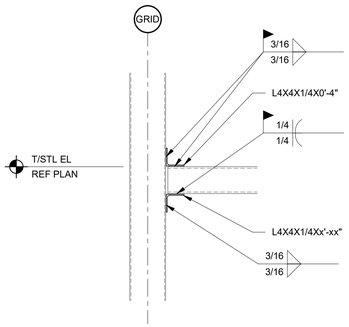
9 FRAMING DETAIL
3/4" = 1'-0"



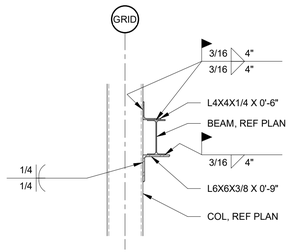
AT SIM



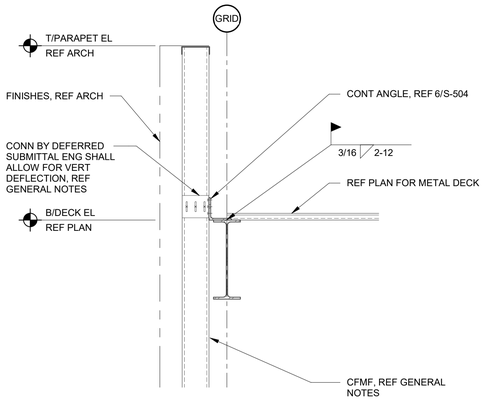
8 HSS BEAM TO HSS COLUMN TOP
3/4" = 1'-0"



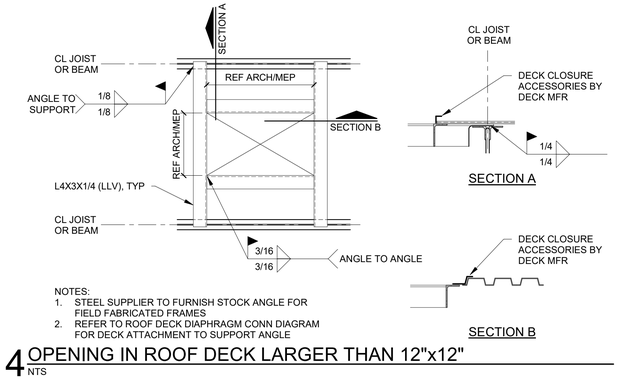
7 HSS BEAM TO HSS COLUMN MID
3/4" = 1'-0"



6 FRAMING DETAIL
3/4" = 1'-0"

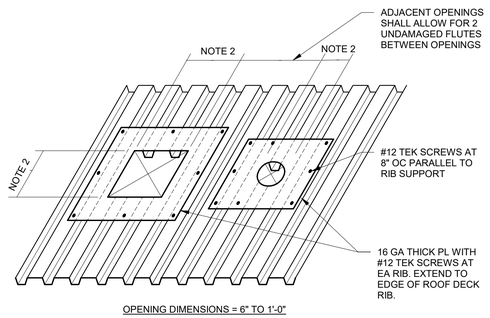


5 JOIST TO EXTERIOR STEEL BEAM - BYPASS FRAMING
3/4" = 1'-0"



NOTES:
1. STEEL SUPPLIER TO FURNISH STOCK ANGLE FOR FIELD FABRICATED FRAMES
2. REFER TO ROOF DECK DIAPHRAGM CONN DIAGRAM FOR DECK ATTACHMENT TO SUPPORT ANGLE

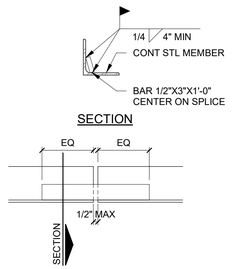
4 OPENING IN ROOF DECK LARGER THAN 12"x12"
NTS



OPENING DIMENSIONS = 6" TO 1'-0"

NOTES:
1. REINFORCING PLATE IS NOT REQUIRED FOR OPENINGS LESS THAN 6" X 6"
2. INDICATES THE LARGER OF THE OPENING SIZE DIMENSIONS = 6" TO 1'-0"
3. ONLY ONE OPENING ALLOWED PER DECK SPAN. ADJACENT OPENINGS SHALL BE SPACED TO ALLOW FOR A MINIMUM OF 2 UNDAMAGED FLUTES.
4. FOR OPENING LARGER THAN 1'-0" REFER TO OPENING IN ROOF DECK LARGER THAN 12"x12" DETAIL.

3 ROOF DECK REINFORCEMENT AT UNFRAMED ROOF OPENINGS
3/4" = 1'-0"



TYPICAL SPLICE PLAN

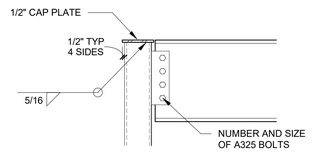
2 CONT ANGLE SPLICE DETAIL
NTS

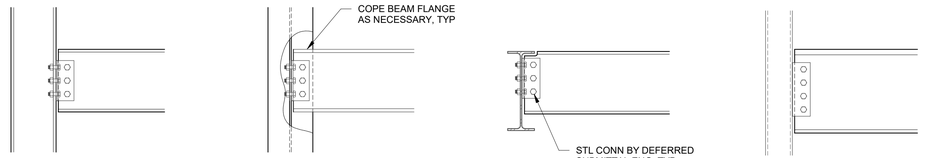
THE STEEL FABRICATOR SHALL BE RESPONSIBLE FOR DESIGN AND ADEQUACY OF ALL CONNECTIONS THAT ARE NOT FULLY DETAILED ON THE CONTRACT DOCUMENTS. REFER TO PLANS, ELEVATIONS, AND SCHEDULE FOR LRFD FACTORED LOADS, AND REFER TO STEEL BEAM MINIMUM CONNECTION SCHEDULE FOR MINIMUM CONNECTION REQUIRED.

STEEL BEAM MINIMUM CONNECTION SCHEDULE

BEAM	MIN BOLT DIA	MIN NUMBER OF BOLTS	MIN LRFD FACTRORED END REACTIONS (KIPS)	NOTES
W8	3/4"	2	24	1,2,3,4
W10	3/4"	2	24	1,2,3,4
W12	3/4"	3	38	1,2,3,4
W14	3/4"	3	38	1,2,3,4
W16	3/4"	4	52	1,3,4
W18	3/4"	4	52	1,3,4
W21	3/4"	5	64	1,3,4
W24	3/4"	6	76	1,3,4
W27	3/4"	7	88	1,3,4
W30	3/4"	8	101	1,3,4
W33	3/4"	8	101	1,3,4
W36	3/4"	9	113	1,3,4
W40	3/4"	9	113	1,3,4

NOTES.
1. UNLESS INDICATED ON FRAMING PLAN AND CORRESPONDING DETAILS OR NOTES BELOW, SCHEDULE INDICATES THE MINIMUM NUMBER OF BOLTS ALLOWED FOR BEAM CONNECTIONS.
2. MINIMUM BOLT SCHEDULE APPLIES TO CHANNEL SECTIONS OF SAME NOMINAL DEPTHS, UNLESS NOTED OTHERWISE.
3. CONNECTIONS SHALL BE DESIGNED FOR LRFD FACTORED END REACTIONS SHOWN ON PLANS. IF NO REACTION IS SHOWN ON PLAN, DESIGN FOR REACTION IN SCHEDULE.
4. REFER TO PLAN FOR REQUIRED MOMENT CONNECTION





BEAM TO FLANGE CONNECTIONS | BEAM TO WEB CONNECTIONS | BEAM TO BEAM CONNECTIONS | BEAM TO HSS

1 STEEL BEAM CONNECTION SCHEDULE AND DETAILS
3/4" = 1'-0"

STATE OF MISSOURI
MIKE KEHOE, GOVERNOR

STATE OF MISSOURI
DARCEY L. SCHUMACHER
NUMBER PE-2009024305
PROFESSIONAL ENGINEER

10.09.2026

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OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION

DEPARTMENT OF Corrections

JOPLIN COMMUNITY SUPERVISION CENTER

2303 WEST 20TH STREET
JOPLIN, MO 64801

PROJECT # C2512-01
SITE # 7033
ASSET # 9327033001

Revision

Number	Revision Date	Revision Description
1	10/12/2026	ADDENDUM 1

ISSUE DATE: SEPTEMBER 30, 2026

CAD DWG FILE:
DRAWN BY: RPT
CHECKED BY: DLS
DESIGNED BY: RLH

SHEET TITLE:
FRAMING SECTIONS

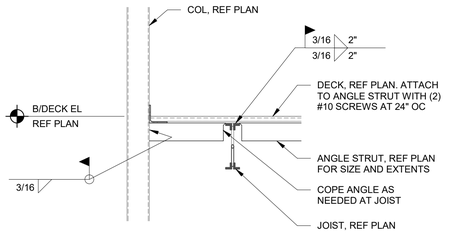
SHEET NUMBER:
S-502
1

SEPTEMBER 30, 2026

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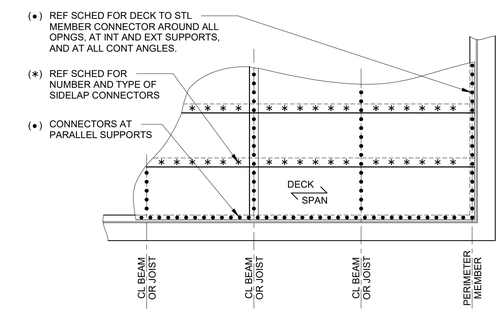
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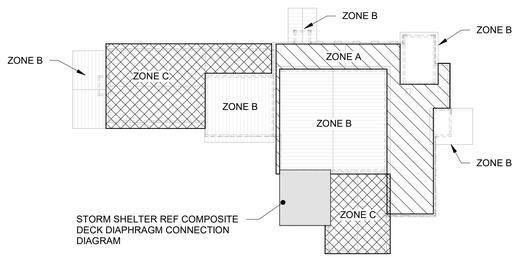


6 ANGLE STRUT DETAIL
3/4" = 1'-0"

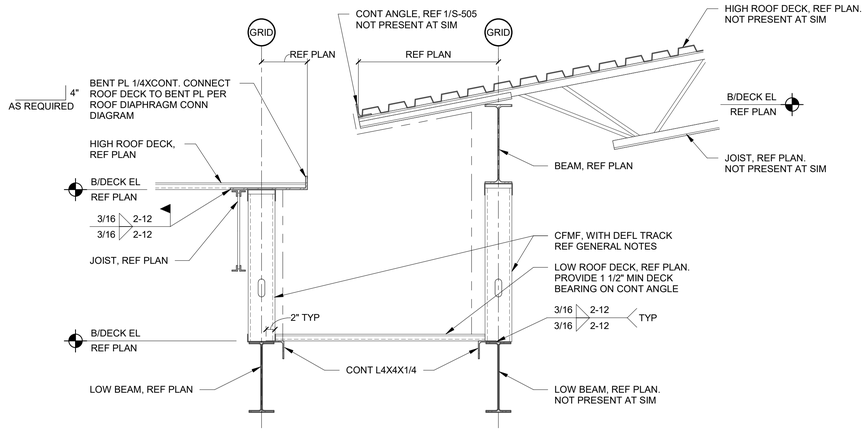
ROOF DECK DIAPHRAGM CONNECTION SCHEDULE			
LOCATION	(•) DECK TO STEEL MEMBER CONNECTOR PATTERNED AND TYPE	(*) SIDELAP CONNECTOR NUMBER AND TYPE	(•) CONNECTIONS AT PARALLEL SUPPORT
ZONE A	36/5 - 5/8" DIA PUDDLE WELDS	(4) - #10 TEKS SCREWS PER SPAN	5/8" DIA PUDDLE WELDS AT 12" OC
ZONE B	36/4 - 5/8" DIA PUDDLE WELDS	(1) - #10 TEKS SCREWS PER SPAN	5/8" DIA PUDDLE WELDS AT 12" OC
ZONE C	36/4 - #10 TEKS SCREWS	(4) - #10 TEKS SCREWS PER SPAN	#10 TEKS SCREWS AT 12" OC

NOTES:
1. WELDING WASHERS SHALL BE USED WITH DECK THICKNESSES LESS THAN 22 GAGE.
2. COORDINATE REQUIREMENTS FOR VENTED DECK WITH CONCRETE INSULATING FILL.
3. ROOF DECK IS REQUIRED TO ACT AS A DIAPHRAGM. CONNECTION SHALL BE IN ACCORDANCE WITH STEEL DECK INSTITUTE SPECIFICATION AND AS SHOWN IN SCHEDULE AND DETAIL.
4. DECKING SHALL BE CONTINUOUS OVER A MINIMUM OF (3) SPANS, UNLESS NOTED OTHERWISE IN CONTRACT DOCUMENTS. DECK SPLICES ARE TO BE OVER SUPPORTS.
5. NO HANGING LOADS SHALL BE ATTACHED TO ROOF DECK.
6. HILTI PINS AND SIDELAP FASTENERS MAY BE USED AT THE CONTRACTOR'S SUBSTITUTION REQUEST. SUBMIT DECK CONNECTION CALCULATIONS THAT MEET OR EXCEED THE CAPACITY OF WHAT IS INDICATED IN THE SCHEDULE SIGNED AND SEALED BY AN ENGINEER IN THE STATE WHERE THE PROJECT IS LOCATED. PERSONNEL INSTALLING HILTI FASTENERS SHALL RECEIVE ON SITE TRAINING FOR PROPER INSTALLATION BY A HILTI FIELD REPRESENTATIVE. CONTACT HILTI FOR ON SITE TRAINING.

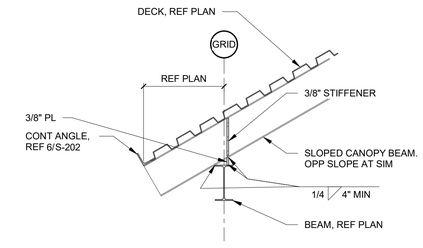




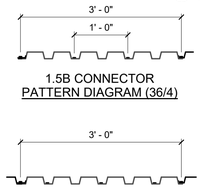
3 ROOF DECK DIAPHRAGM CONNECTION
1" = 40'-0"

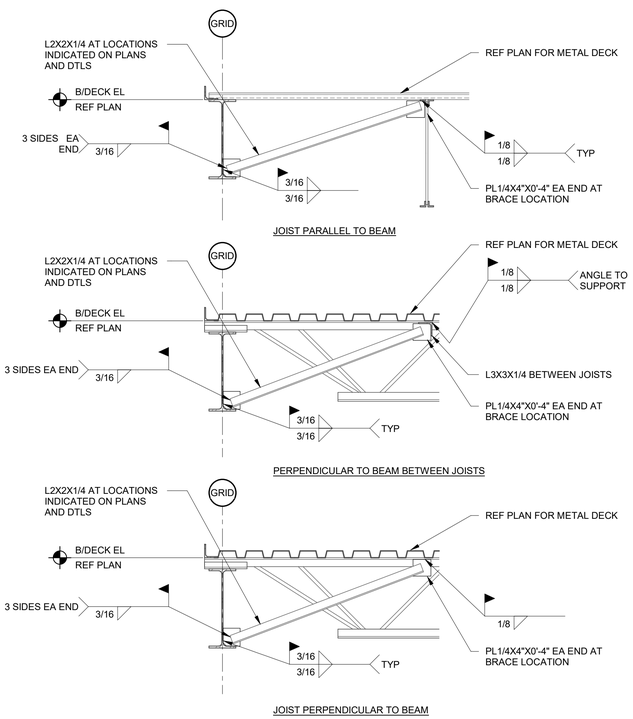


5 FRAMING DETAIL
3/4" = 1'-0"

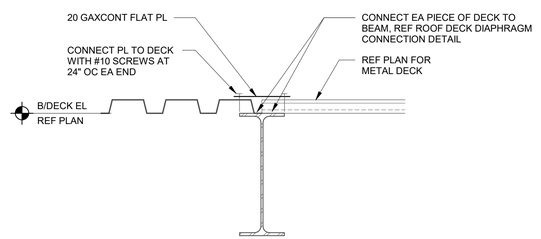


4 CANOPY FRAMING DETAIL
3/4" = 1'-0"





2 KICKER BRACE CONNECTION
3/4" = 1'-0"



1 ROOF DECK DIRECTION CHANGE DETAIL
1 1/2" = 1'-0"

STATE OF MISSOURI
MIKE KEHOE, GOVERNOR

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1	10/12/2026	ADDENDUM 1

ISSUE DATE: SEPTEMBER 30, 2026

CAD DWG FILE:
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DESIGNED BY: RLH

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S-503 1

SEPTEMBER 30, 2026

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DEDICATED OUTSIDE AIR UNIT SCHEDULE (DX COOLING WITH GAS HEAT)

MARK NO.	MANUFACTURER	MODEL	AIRFLOW CFM	MIN O.A. CFM	EXT. S.P. (IN W.G.)	FAN HP	FAN DRIVE TYPE	FAN TYPE	RPM	COOLING									HEATING-GAS			NOTES	ELECTRICAL									
										AMB. (°F)	EDB (°F)	EWB (°F)	LDB (°F)	LWB (°F)	TOTAL MBH	SENS. MBH	STAGES	ISMRE2	INPUT MBH	OUTPUT MBH	STAGES		VOLT	PHASE	HZ	FLA	MCA	MOCP	DISCONNECT	CIRCUIT TO PANEL	BRANCH CIRCUIT TAG / SIZE	NOTES
DOAS-1	VALENT	VX-212-20I-M-F3	3,000	3,000	1	1	DIRECT	PLENUM	970	100	100	78	51.2	51	257.1	142.4	VARIABLE	7.3	400	324	VARIABLE	1-10	460	3	60	42.4	47.4	60	60A/NF/3P/3R	MDP	RE: ONE-LINE DIAGRAM	A

NOTES:
1. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
2. UNIT TO BE CONFIGURED FOR HORIZONTAL DISCHARGE.
3. PROVIDE WITH COTTONWOOD FILTERS SUCH AS AIR SOLUTION COMPANY MEDIUM DUTY COMMERCIAL GRADE FILTERS, HINGED ACCESS PANELS, DISCONNECT SWITCH, CONDENSATE DRAIN TRAP, AND DRAIN PAN OVERFLOW SWITCH TO SHUT DOWN UNIT IF DRAIN BECOMES CLOGGED.
4. PROVIDE WITH FACTORY DDC CONTROLLER WITH BACNET MSTP BMS INTERFACE.
5. PROVIDE WITH PHASE/BROWNOUT PROTECTION.
6. PROVIDE WITH CONDENSER COIL HAIL GUARDS.
7. PROVIDE WITH INVERTER SCROLL COMPRESSOR ON LEAD CIRCUIT.
8. PROVIDE WITH LOW SOUND CONDENSING FANS WITH LEAD ECM CONDENSING FAN FOR MODULATING HEAD PRESSURE CONTROL.
9. PROVIDE WITH MODULATING HOT-GAS REHEAT.
10. PROVIDE MODULATING GAS HEAT WITH STAINLESS STEEL HEAT EXCHANGER.

NOTES: A.

KITCHEN EXHAUST HOOD SCHEDULE

MARK	MANUFACTURER	EXHAUST CANOPY												GREASE FILTRATION			FIRE SUPPRESSION SYSTEM			LIGHTS		NOTES	ELECTRICAL									
		MODEL	UTILITY CABINET FOR FIRE SUPPRESSION CONTROLS	TYPE	CANOPY DIMENSIONS (LxDxH) (IN.)	PERFORATED SUPPLY PLENUM				EXHAUST PLENUM					ASSOCIATED EXHAUST FAN																		
						SA COLLAR QUANTITY	COLLAR DIMENSIONS (IN.)	COLLAR AIRFLOW (CFM)	COLLAR S.P. (IN W.G.)	EA COLLAR QUANTITY	COLLAR DIMENSIONS (IN.)	COLLAR AIRFLOW (CFM)	COLLAR S.P. (IN W.G.)	COLLAR VELOCITY (FPM)		MODEL	GREASE FILTER QUANTITY	SIZE (LxH) (IN.)	TYPE	SIZE	FLOW POINTS	FIXTURE TYP	QUANTITY		VOLT	PHASE	HZ	FLA	MCA	MOCP	DISCONNECT	CIRCUIT TO PANEL	BRANCH CIRCUIT TAG / SIZE	NOTES
H-1	ACCUREX	XXEW-97-S	REMOTE WALL MOUNT	I	97x54x24	3	22x12	485	0.01	1	14 DIAM.	1819	0.62	1702	KEF-1	X-TRACTOR	6	16x20	AMEREX KP	3.75	8	LED	2	1-6	115	1	60	12	15	15	N/A	L2	3/4"C, 2-#12 & 1-#12 G	A
H-2	ACCUREX	XD1-60-S	N/A	II	60x42x24	-	-	-	-	1	10 DIAM.	750	0.23	1375	KEF-2	-	-	-	-	-	-	-	-	1,2	115	1	60	12	15	15	N/A	L2	3/4"C, 2-#12 & 1-#12 G	A

NOTES:
1. REFER TO KITCHEN HOOD DRAWINGS FOR ADDITIONAL REQUIREMENTS.
2. MOUNT BOTTOM OF CANOPY 6'-8" ABOVE FINISHED FLOOR. COORDINATE WITH ARCHITECT.
3. FACTORY INSTALLED CONTROL PACKAGE IN UTILITY CABINET INSTALLED BY DIVISION 23 CONTRACTOR AND WIRED BY DIVISION 26 CONTRACTOR. ASSOCIATED EXHAUST FAN AND MAKE-UP AIR UNIT SHALL ENERGIZE WHEN HOOD IS ACTIVATED.
4. TEMPERATURE SENSOR INTERLOCK PROVIDED BY KITCHEN EQUIPMENT CONTRACTOR AND INSTALLED BY DIVISION 26 CONTRACTOR. PROVIDE ONE SENSOR FOR EACH EXHAUST COLLAR PER IMC SECTION 507.2.1.1.
5. REMOTE PULL STATION FURNISHED WITH HOOD FOR FIELD INSTALLATION BY DIVISION 26 CONTRACTOR. PULL STATION SHALL BE LOCATED IN THE PATH OF EGRESS WITHIN 20 FEET OF THE RELEASE MECHANISM.
6. BALANCE EACH MAKE-UP AIR SUPPLY COLLAR TO THE INDICATED AIRFLOW.

NOTES: A. INTERLOCK WITH MAU, KEF AND FIRE ALARM SYSTEM FOR SHUT DOWN UPON ACTIVATION OF ANSUL SYSTEM.

MAKE-UP AIR UNIT SCHEDULE

MARK NO.	MANUFACTURER	MODEL	AIRFLOW CFM	EXT. S.P. (IN W.G.)	FAN HP	FAN DRIVE TYPE	FAN TYPE	FAN SIZE	RPM	COOLING COIL-HYDRONIC										HEATING COIL-HYDRONIC							NOTES	ELECTRICAL									
										TOTAL MBH	SENS. MBH	EDB (°F)	EWB (°F)	LDB (°F)	LWB (°F)	FPI	ROWS	WPD (FT. HD.)	GPM	TOTAL MBH	EAT (°F)	LAT (°F)	FPI	ROWS	WPD (FT. HD.)	GPM		VOLT	PHASE	HZ	FLA	MCA	MOCP	DISCONNECT	CIRCUIT TO PANEL	BRANCH CIRCUIT TAG / SIZE	NOTES
MAU-1	ACCUREX	XMSX-P109-H12-MF	1,455	0.5	1	DIRECT	MIXED-FLOW	9" DIAM.	2639	26.9	26.9	97	80	80.3	75.4	12	2	0.2	5.7	107.4	3	71.2	12	2	0.3	11.3	1-4	460	3	60	2.1	2.8	15	DIV 23	H1	3/4"C, 4-#12 & 1-#12 G	-

NOTES:
1. REFER TO KITCHEN HOOD DRAWINGS FOR ADDITIONAL REQUIREMENTS.
2. UNIT TO BE CONFIGURED FOR HORIZONTAL DISCHARGE.
3. INTERLOCK OPERATION WITH TYPE I HOOD CONTROL PANEL.
4. COILS SHALL BE SELECTED FOR 30% PROPYLENE GLYCOL SOLUTION.

NOTES: A. INTERLOCK WITH HOOD CONTROL PANEL, KEF AND FIRE ALARM FOR SHUT DOWN UPON DISCHARGE OF ANSUL SYSTEM.

CHILLER SCHEDULE (AIR COOLED)

MARK NO.	MANUFACTURER	MODEL	TYPE	NOMINAL TONS	EER	IPLV	REFR. TYPE	EVAPORATOR							CONDENSER			NOTES	ELECTRICAL									
								CAPACITY (TONS)	EWT (°F)	LWT (°F)	FLOW (GPM)	FOULING FACTOR	NO. PASSES	PRESS. DROP (FT. H□O)	MIN. NO. OF STAGES	NO. OF CIRCUITS	AMBIENT (°F)		VOLT	PHASE	HZ	FLA	MCA	MOCP	DISCONNECT	CIRCUIT TO PANEL	BRANCH CIRCUIT TAG / SIZE	NOTES
CH-1	TRANE	CGAM040	SCROLL	40	11.36	16.88	R-454B	38.3	54	44	97	0.0001	1	17.8	4	2	95	1-16	460	3	60	94.5	101	125	200A/NF/3P/3R	MDP	1-1/4"C, 4-#1 & 1-#4G	-

NOTES:
1. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
2. PROVIDE WITH UNIT MOUNTED CONTROL PANEL WITH FACTORY DDC CONTROLLER WITH BACNET MSTP INTERFACE.
3. PROVIDE WITH SINGLE POINT POWER AND FACTORY CIRCUIT BREAKER WITH HIGH FAULT RATED CONTROL PANEL.
4. ADDITIONAL ELECTRICAL: PROVIDE EVAPORATOR HEATER AND BUFFER TANK EACH A DEDICATED 120VAC, SINGLE PHASE, 20 AMP POWER CIRCUIT.
5. CHILLER SHALL BE SELECTED FOR 30% PROPYLENE GLYCOL SOLUTION.
6. PROVIDE FLOW OR DIFFERENTIAL PRESSURE SWITCH.
7. PROVIDE CRANKCASE HEATER AND LOW AMBIENT CONTROL TO -20 F.
8. EVAPORATOR BASED ON FOULING FACTOR OF 0.0001.
9. PROVIDE FACTORY MOUNTED STARTERS.
10. PROVIDE CONCRETE HOUSEKEEPING PAD PER SPECIFICATIONS.
11. PROVIDE WITH 1.25" THICK (K=0.28) UV RATED EVAPORATOR INSULATION FOR HIGH HUMIDITY.
12. PROVIDE WITH COMPREHENSIVE SOUND ATTENUATOR PACKAGE.
13. PROVIDE WITH ELASTOMERIC VIBRATION ISOLATORS FOR FIELD INSTALLATION.
14. PROVIDE WITH PHASE PROTECTION.
15. PROVIDE WITH FACTORY PUMPING PACKAGE WITH DUAL HIGH HEAD 5HP PUMPS (67 FT AVAIL. HEAD PRESSURE), VFD'S, 5 GALLON EXPANSION TANK, DRAINAGE VALVES, SHUT-OFF VALVES.
16. PROVIDE WITH FACTORY 140 GALLON BUFFER STORAGE TANK.

NOTES:

ELECTRIC WALL HEATER

MARK	MANUFACTURER	MODEL	MOUNTING	AIRFLOW (CFM)	HEATING (ELEC.)			NOTES	ELECTRICAL									
					INPUT (KW*)		OUTPUT (MBH)		VOLT	PHASE	HZ	FLA	MCA	MOCP	DISCONNECT	CIRCUIT TO PANEL	BRANCH CIRCUIT TAG / SIZE	NOTES
					MAX	MIN												
EWH-1	BERKO	SSHOWH4007	RECESSED	100	4	1.8	13.7	1,2,4,5,6	277	1	60	14.4	18	20	DIV 23	H1	3/4"C, 2-#12 & 1-#12 G	
EWH-2	BERKO	SSHOWH4007	RECESSED	100	4	1.8	13.7	1,2,4,5,6	277	1	60	14.4	18	20	DIV 23	H1	3/4"C, 2-#12 & 1-#12 G	
EWH-3	BERKO	SSHOWH4007	RECESSED	100	4	1.8	13.7	1,2,4,5,6	277	1	60	14.4	18	20	DIV 23	H1	3/4"C, 2-#12 & 1-#12 G	
EWH-4	BERKO	SSHOWH4008	SURFACE	100	4	1.8	13.7	1,2,3,5,6	208	1	60	19.2	24	25	DIV 23	S	3/4"C, 2-#8 & 1-#10 G	

NOTES:
1. PROVIDE WITH INTEGRAL DISCONNECT SWITCH AND TAMPER-RESISTANT THERMOSTAT.
2. PROVIDE WITH PROPORTIONAL HEATING CONTROL TO AUTOMATICALLY ADJUST WATTAGE OUTPUT.
3. PROVIDE WITH SURFACE MOUNTING FRAME PAINTED TO MATCH THE HEATER ENCLOSURE.
4. PROVIDE WITH RECESSED MOUNTING FRAME.
5. COORDINATE WITH ARCHITECT FOR COLOR SELECTION.
6. PROVIDE WITH BUILDING MANAGEMENT SYSTEM ENABLE/DISABLE CONTACT.

*HEATING KW IS NET CAPACITY AT VOLTAGE AND PHASE INDICATED.

NOTES: A.

STATE OF MISSOURI
MIKE KEHOE, GOVERNOR

STATE OF MISSOURI
GREGORY J. FENDLER
NUMBER PE-2009037730
PROFESSIONAL ENGINEER
10.12.2026

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JOPLIN COMMUNITY SUPERVISION CENTER

2303 WEST 20TH STREET
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PROJECT # C2512-01
SITE # 7033
ASSET # 9327033001

Revision

Number	Revision Date	Revision Description
1	10/12/2026	Addendum 1

ISSUE DATE: September 30, 2026

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September 30, 2026

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FAN COIL UNIT SCHEDULE

MARK	MANUFACTURER	MODEL	ARRANGEMENT	MIN OA CFM	SUPPLY FAN					COOLING COIL-HYDRONIC									HEATING COIL-HYDRONIC								NOTES	ELECTRICAL								
					AIRFLOW CFM	FAN TYPE	NO. FANS	FAN SIZE (HP)	ESP (IN W.G.)	TSP (IN W.G.)	TOTAL MBH	SENS. MBH	EDB / EWB (°F)	LDB / LWB (°F)	FPM	ROWS	WPD (FT. HD.)	EWT / LWT (°F)	GPM	TOTAL MBH	EAT (°F)	LAT (°F)	FPM	ROWS	WPD (FT. HD.)	EWT / LWT (°F)	GPM		VOLT	PHASE	HZ	FLA	MCA	MOCP	DISCONNECT	CIRCUIT TO PANEL	BRANCH CIRCUIT TAG / SIZE	NOTES
FCU-1	TRANE	BCHE036	HORIZONTAL	140	1120	FC	1	1	0.5	1.32	28.2	22.7	71.9 / 61.1	53.4 / 52.2	420	6	4.7	44 / 54	6.6	25.1	70	90.8	420	1	2.2	140 / 120	2.4	1-9	277	1	60	5.8	7.2	15	DIV 23	H1	3/4"C, 2-#12 & 1-#12 G	A
FCU-2	TRANE	BCHE024	HORIZONTAL	120	800	FC	1	1	0.5	1.51	16.9	13.8	71.7 / 61.6	56 / 54.3	480	6	10.3	44 / 50	7	12.5	70	84.5	480	1	0.4	140 / 120	1.1	1-9	277	1	60	5.8	7.2	15	DIV 23	H1	3/4"C, 2-#12 & 1-#12 G	A
FCU-3	TRANE	BCHE054	HORIZONTAL	130	1400	FC	1	1	0.5	1.16	28	26.8	72 / 60.7	54.6 / 53.7	379	6	3.1	44 / 50.9	9.5	47.7	70	101.5	379	2	1.4	140 / 116.6	4.1	1-9	277	1	60	5.8	7.2	15	DIV 23	H1	3/4"C, 2-#12 & 1-#12 G	A
FCU-4	TRANE	BCHE036	HORIZONTAL	240	1100	FC	1	1	0.5	1.35	28.4	23.1	72.4 / 61.2	53.3 / 52.1	413	6	4.7	44 / 54	6.7	38.2	70	102.1	413	2	2.4	140 / 113.5	2.9	1-9	277	1	60	5.8	7.2	15	DIV 23	H1	3/4"C, 2-#12 & 1-#12 G	-
FCU-5	TRANE	BCHE036	HORIZONTAL	120	960	FC	1	1/2	0.5	1.15	25.5	20	71.9 / 61.3	52.9 / 51.9	360	6	3.8	44 / 54	5.9	22.6	70	91.8	360	1	1.9	140 / 120	2.2	1-9	277	1	60	3.8	4.7	15	DIV 23	H1	3/4"C, 2-#12 & 1-#12 G	A
FCU-6	TRANE	FCCB040	HORIZONTAL	40	350	FC	1	0.24	0.4	0.79	5.8	5.8	72.2 / 60	57.1 / 54.2	-	3	3.4	44 / 54	1.3	7.6	70	89.9	-	1	2.2	140 / 120	0.8	1-9	277	1	60	1.6	2	15	DIV 23	H1	3/4"C, 2-#12 & 1-#12 G	A
FCU-7	TRANE	BCHE036	HORIZONTAL	150	1000	FC	1	1	0.5	1.2	27.2	20.3	71.7 / 61.7	53.2 / 52.1	375	6	4.3	44 / 54	6.3	23.2	70	91.4	375	1	1.9	140 / 120	2.3	1-9	277	1	60	5.8	7.2	15	DIV 23	H1	3/4"C, 2-#12 & 1-#12 G	A
FCU-8	TRANE	BCHE054	HORIZONTAL	200	1500	FC	1	1	0.5	1.04	29	26.7	71.9 / 61.1	55.7 / 54.4	406	4	3	44 / 54	6.8	17.5	70	80.8	406	1	0.2	140 / 120	1.6	1-9	277	1	60	5.8	7.2	15	DIV 23	H1	3/4"C, 2-#12 & 1-#12 G	-
FCU-9	TRANE	BCHE036	HORIZONTAL	390	1000	FC	1	1	0.5	1.22	29.1	20.6	72.1 / 62.4	53.3 / 52.2	375	6	4.8	44 / 54	6.7	23.2	70	91.4	375	1	1.9	140 / 120	2.3	1-9	277	1	60	5.8	7.2	15	DIV 23	H1	3/4"C, 2-#12 & 1-#12 G	A
FCU-10	TRANE	FCCB040	HORIZONTAL	140	320	FC	1	0.24	0.4	0.79	6.2	4.3	71.4 / 64.9	58.9 / 58.7	-	3	3.9	44 / 54	1.3	7.2	70	90.7	-	1	2	140 / 120	0.8	1-9	277	1	60	1.6	2	15	DIV 23	H1	3/4"C, 2-#12 & 1-#12 G	A
FCU-11	TRANE	BCHE024	HORIZONTAL	80	740	FC	1	1	0.5	1.33	14.9	13.8	72 / 60.6	55 / 53.5	444	6	7.4	44 / 50.3	5.8	11.5	70	84.4	444	1	0.4	140 / 120	1	1-9	277	1	60	5.8	7.2	15	DIV 23	H1	3/4"C, 2-#12 & 1-#12 G	A
FCU-12	TRANE	BCHE036	HORIZONTAL	70	1110	FC	1	1	0.5	1.32	23.3	20.4	72.1 / 61.4	55.4 / 54.1	416	6	2.4	44 / 56.3	4.5	38.3	70	102	416	2	2.4	140 / 113.5	2.9	1-9	277	1	60	5.8	7.2	15	DIV 23	H1	3/4"C, 2-#12 & 1-#12 G	A
FCU-13	TRANE	FCCB040	HORIZONTAL	160	320	FC	1	0.24	0.4	0.8	6.3	4.3	71.4 / 65	59 / 58.8	-	3	3.9	44 / 54	1.4	7.2	70	90.7	-	1	2	140 / 120	0.8	1-9	277	1	60	1.6	2	15	DIV 23	H1	3/4"C, 2-#12 & 1-#12 G	A
FCU-14	TRANE	BCHE036	HORIZONTAL	50	820	FC	1	1/2	0.5	0.86	14.8	14.3	72.1 / 61.3	56.3 / 55.1	308	4	4.7	44 / 51.4	4.7	20.3	70	92.9	308	1	1.6	140 / 120	2	1-9	277	1	60	3.8	4.7	15	DIV 23	H1	3/4"C, 2-#12 & 1-#12 G	A
FCU-15	TRANE	FCCB040	HORIZONTAL	60	390	FC	1	0.24	0.4	0.91	7.1	6.3	71.9 / 62.7	57 / 56.6	-	3	8.5	44 / 51.3	2.1	8	70	88.9	-	1	2.5	140 / 120	0.9	1-9	277	1	60	1.6	2	15	DIV 23	H1	3/4"C, 2-#12 & 1-#12 G	A
FCU-16	TRANE	BCHE024	HORIZONTAL	70	750	FC	1	1	0.5	1.37	14.5	12.4	72 / 61.9	56.9 / 55.3	450	6	4.6	44 / 52.1	4.4	11.7	70	84.4	450	1	0.4	140 / 120	1	1-9	277	1	60	5.8	7.2	15	DIV 23	H1	3/4"C, 2-#12 & 1-#12 G	A
FCU-17	TRANE	BCHE090	HORIZONTAL	230	2800	FC	1	1-1/2	0.5	1.26	71.5	50.7	72 / 63	55.5 / 54.4	458	4	9.4	44 / 52.5	19.2	34	70	81.2	458	1	0.3	140 / 121.9	3.5	1-9	460	3	60	2.6	3.3	15	DIV 23	H1	3/4"C, 4-#12 & 1-#12 G	-
FCU-18	TRANE	FCCB030	HORIZONTAL	70	230	FC	1	0.24	0.4	0.75	5.5	3.5	71.7 / 65.2	57.9 / 57.5	-	3	5.5	44 / 50.8	1.8	4.7	70	88.9	-	1	0.8	140 / 120	0.5	1-9	277	1	60	1.6	2	15	DIV 23	H1	3/4"C, 2-#12 & 1-#12 G	A
FCU-19	TRANE	BCHE024	HORIZONTAL	240	770	FC	1	1	0.5	1.47	14.5	10.2	71.7 / 64	59.6 / 57.9	462	6	3.2	44 / 54	3.6	12	70	84.5	462	1	0.4	140 / 120	1	1-9	277	1	60	5.8	7.2	15	DIV 23	H1	3/4"C, 2-#12 & 1-#12 G	-
FCU-20	TRANE	FCCB020	HORIZONTAL	50	200	FC	1	0.24	0.4	0.68	4.2	2.8	71.7 / 65.2	59.1 / 58.6	-	3	1.9	44 / 54	0.9	4.4	70	90.1	-	1	0.7	140 / 120	0.5	1-9	277	1	60	1.6	2	15	DIV 23	H1	3/4"C, 2-#12 & 1-#12 G	A
FCU-21	TRANE	FCCB020	HORIZONTAL	50	200	FC	1	0.24	0.4	0.68	4.8	3.2	71.8 / 64.5	57.2 / 56.6	-	3	4.4	44 / 50.7	1.6	4.4	70	90.1	-	1	0.7	140 / 120	0.5	1-9	277	1	60	1.6	2	15	DIV 23	H1	3/4"C, 2-#12 & 1-#12 G	A
FCU-22	TRANE	BCHE036	HORIZONTAL	150	1300	FC	1	1	0.5	1.54	28.9	27	72.3 / 59.8	53.3 / 51.8	488	6	5.2	44 / 54	7	45.9	70	102.7	488	2	3.7	140 / 115.4	3.6	1-9	277	1	60	5.8	7.2	15	DIV 23	H1	3/4"C, 2-#12 & 1-#12 G	A
FCU-23	TRANE	BCHE036	HORIZONTAL	50	1100	FC	1	1	0.5	1.27	26.7	23.1	72.1 / 60.4	52.9 / 51.7	413	6	4.2	44 / 54	6.3	24.8	70	90.9	413	1	2.1	140 / 120	2.4	1-9	277	1	60	5.8	7.2	15	DIV 23	H1	3/4"C, 2-#12 & 1-#12 G	A

NOTES:
1. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
2. PROVIDE WITH BACK INLET CONNECTION.
3. PROVIDE WITH FRONT OUTLET CONNECTION.
4. PROVIDE HORIZONTAL CONCEALED CABINET STYLE.
5. PROVIDE FACTORY MOUNTED DISCONNECT INSTALLED ON SERVICE SIDE OF UNIT.
6. PROVIDE WITH SIMPLE TERMINAL BLOCK CONTROL INTERFACE FOR USE WITH A FIELD SUPPLIED LOW-VOLTAGE CONTROLLER FURNISHED BY CONTROLS CONTRACTOR.
7. PROVIDE WITH FACTORY DELUXE PIPING PACKAGE. PACKAGE TO INCLUDE UNION, STRAINER, P/T PORT AND SHUT-OFF BALL VALVE ON THE SUPPLY LINES. UNION, 3-WAY CONTROL VALVE, AND MANUAL CIRCUIT SETTER ON THE RETURN LINES.
8. PROVIDE WITH FILTER RACK AND MERV-8 THROWAWAY AIR FILTERS.
9. COILS SHALL BE SELECTED FOR 30% PROPYLENE GLYCOL SOLUTION.

NOTES:
A. MULTIPLE UNITS CONNECTED TO SHARED CIRCUIT. REFERENCE PANEL SCHEDULE.

AUTOMATIC GLYCOL FEEDER SCHEDULE

MARK NO.	MANUFACTURER	MODEL	SYSTEM SERVED	FLOW (GPM)	DISCHARGE PRESSURE (PSI)	TANK CAPACITY (GAL.)	CONNECTION SIZE (IN.)	NOTES	ELECTRICAL									
									VOLT	PHASE	HZ	FLA	MCA	MOCP	DISCONNECT	CIRCUIT TO PANEL	BRANCH CIRCUIT TAG / SIZE	NOTES
AGF-1	NEPTUNE	G-50-1A	CHILLED WATER	1.5	20	50	1/2	1,2,3	120	1	60	7.2	9	15	20A TOGGLE	L2	3/4"C, 2-#12 & 1-#12 G	A
AGF-2	NEPTUNE	G-50-1A	HEATING HOT WATER	1.5	20	50	1/2	1,2,3	120	1	60	7.2	9	15	20A TOGGLE	L2	3/4"C, 2-#12 & 1-#12 G	A

NOTES:
1. PROVIDE WITH INTEGRAL CONTROL PANEL, PRESSUZATION PUMP WITH INTEGRAL PRESSURE CONTROL, PRESSURE REDUCING VALVE AND GAUGE.
2. PROVIDE WITH AUDIBLE ALARM AND SILENCE SWITCH.
3. PROVIDE RELIEF VALVE IN PIPING SYSTEM SET AT 125 PSI. RELIEF VALVE SHALL BE PIPED BACK TO GLYCOL STORAGE CONTAINER IN THIS UNIT.

NOTES:
A. MOTOR RATED TOGGLE SWITCH FOR DISCONNECTING MEANS.

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GREGORY J. FENDLER
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PROFESSIONAL ENGINEER
10.12.2026

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DEPARTMENT OF Corrections

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JOPLIN, MO 64801

PROJECT # C2512-01
SITE # 7033
ASSET # 9327033001

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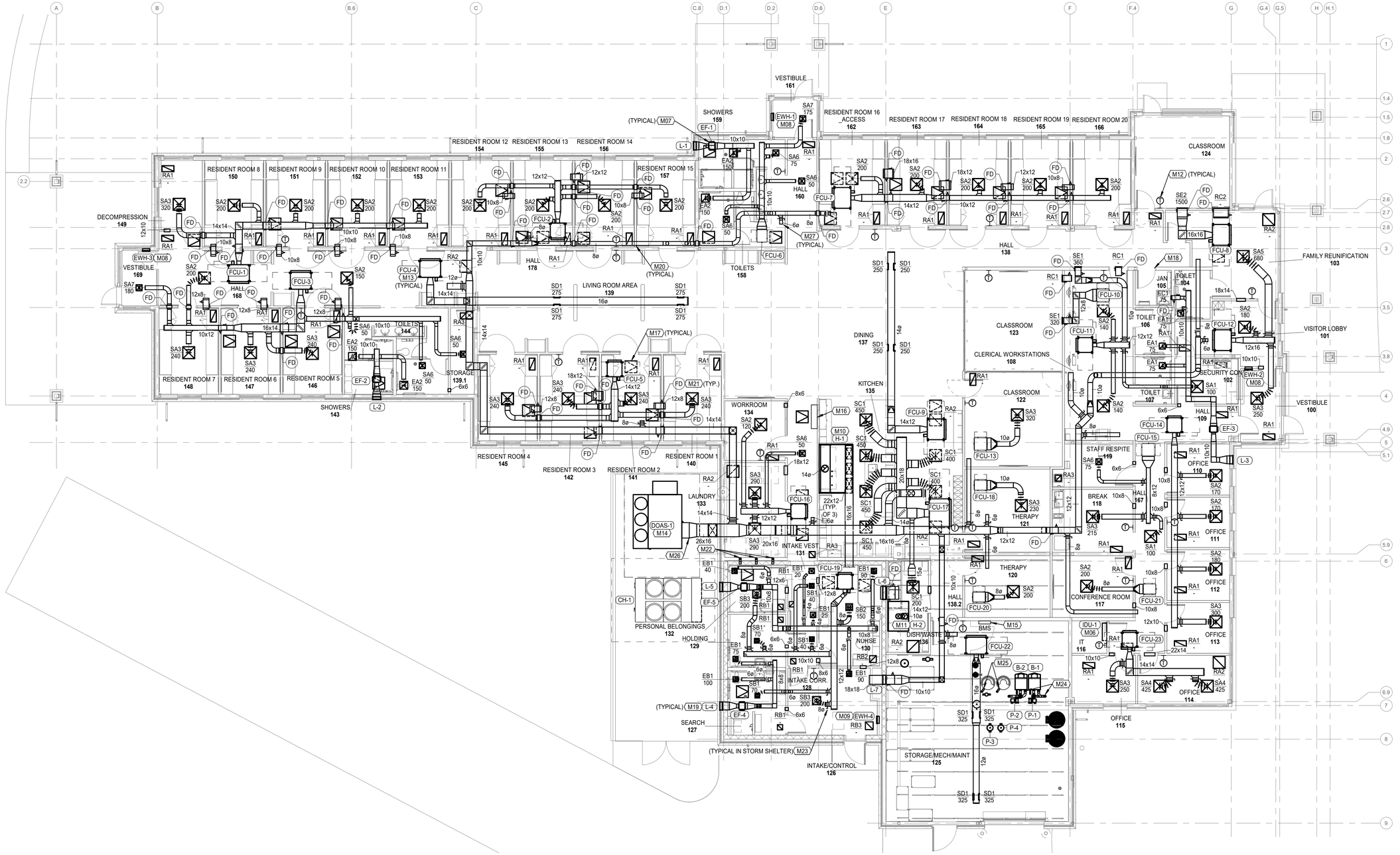
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FIRST FLOOR - MECHANICAL

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

M. FLOOR PLAN NOTES

M06 PROVIDE WALL MOUNTED FAN COIL UNIT. PROVIDE THERMOSTAT MOUNTED AT 48" AFF. REFRIGERANT ROUTING TO BE APPROVED BY MANUFACTURER. REFER TO DETAILS FOR ADDITIONAL INFORMATION.

M07 PROVIDE INLINE EXHAUST FAN. SUPPORT FAN FROM STRUCTURE ABOVE WITH STEEL CHANNEL AND THREADED ROD WITH VIBRATION ISOLATORS. PROVIDE FLEXIBLE CONNECTORS ON THE INLET AND DISCHARGE DUCT CONNECTIONS.

M08 PROVIDE ELECTRIC WALL HEATER WITH RECESSED MOUNTING ENCLOSURE IN THIS LOCATION. MOUNT BOTTOM OF HEATER 1 FT ABOVE FINISH FLOOR.

M09 PROVIDE ELECTRIC WALL HEATER WITH SURFACE MOUNTING ENCLOSURE IN THIS LOCATION. MOUNT BOTTOM OF HEATER 1 FT ABOVE FINISH FLOOR.

M10 PROVIDE TYPE I GREASE EXHAUST HOOD. SUPPORT HOOD PER MANUFACTURER'S INSTALLATION INSTRUCTIONS. PROVIDE TRAPEZE HANGERS FOR ALL THREAD SUPPORT UNDER DUCTWORK AS REQUIRED. TRANSITION DUCT FROM HOOD TO DUCT SIZES SHOWN. REFER TO HOOD DRAWINGS FOR HOOD INFORMATION. PROVIDE LISTED TYPE I DOUBLE WALL KITCHEN EXHAUST DUCTWORK FROM HOOD TO FAN ON ROOF ABOVE.

M11 PROVIDE TYPE II DISHWASHER HOOD. SUPPORT HOOD PER MANUFACTURER'S INSTALLATION INSTRUCTIONS. PROVIDE TRAPEZE HANGERS FOR ALL THREAD SUPPORT UNDER DUCTWORK AS REQUIRED. TRANSITION DUCT FROM HOOD TO DUCT SIZES SHOWN. REFER TO HOOD DRAWINGS FOR HOOD INFORMATION.

M12 CONTROLS CONTRACTOR TO PROVIDE SPACE TEMPERATURE SENSOR. MOUNT ON WALL 48" ABOVE FINISHED FLOOR. SENSORS IN RESIDENT AREAS SHALL BE BUTTON TYPE.

M13 PROVIDE FAN COIL UNIT. INSTALL UNIT LEVEL FOR PROPER CONDENSATE DRAINAGE. SUPPORT UNIT FROM STRUCTURE ABOVE WITH CHANNEL AND ALL-THREAD ROD WITH SPRING VIBRATION ISOLATORS. PROVIDE FLEXIBLE CONNECTOR ON THE SUPPLY AIR DUCT CONNECTION.

M14 PROVIDE PACKAGED DEDICATED OUTSIDE AIR UNIT. SUPPORT ON EQUIPMENT RAILS ON CONCRETE HOUSEKEEPING PAD. SHIM UNIT LEVEL FOR PROPER CONDENSATE DRAINAGE. PROVIDE FLEXIBLE CONNECTOR ON SUPPLY AIR DUCT CONNECTION. TRANSITION TO DUCT SIZE SHOWN.

M15 BUILDING MANAGEMENT SYSTEM CONTROL PANEL BY CONTROLS CONTRACTOR. COORDINATE EXACT LOCATION WITH OWNER AND ELECTRICAL CONTRACTOR.

M16 PROVIDE REMOTE WALL MOUNTED UTILITY / FIRE CABINET FURNISHED WITH TYPE I EXHAUST HOOD. MOUNT TO WALL ABOVE CEILING IN HALLWAY.

M17 PROVIDE 24x24 ACCESS PANEL FOR MECHANICAL EQUIPMENT AT LOCATION SHOWN. VERIFY EXACT LOCATION OF EQUIPMENT ACCESS PRIOR TO INSTALLATION. COORDINATE ACCESS PANEL TYPE AND FINISH WITH ARCHITECT.

M18 UNDERCUT DOOR 1" FOR RETURN/TRANSFER AIR.

M19 PROVIDE LOUVER IN WALL. MOUNT BOTTOM OF LOUVER 10'-0" ABOVE FINISHED FLOOR OR AS HIGH AS POSSIBLE. COORDINATE LOCATION WITH STRUCTURE.

M20 FLASH DUCT PENETRATION THROUGH 1HR RATED WALL AND SEAL WITH FIRE RESISTIVE CAULK.

M21 PROVIDE U.L. LISTED FIRE DAMPER ASSEMBLY IN WALL. INSTALL FIRE DAMPER IN STRICT ACCORDANCE WITH DAMPER MANUFACTURER'S INSTALLATION INSTRUCTIONS.

M22 PROVIDE "THE DRYERBOX MODEL 425" AND INSTALL PER MANUFACTURER'S RECOMMENDATIONS. CONNECT AND EXTEND 4" DRYER DUCT UP AS INDICATED. DRYER DUCT SHALL BE CONSTRUCTED USING RIVETS AND ALUMINUM TAPE. NO SCREWS ALLOWED. REFER TO MEP ROOF PLAN FOR TERMINATION.

M23 PROVIDE YOUNG REGULATOR MODEL 5020-CC ROUND CABLE CONTROLLED BALANCING DAMPER, MODEL 270-301EZ BOWDEN CABLE CONTROL KIT, AND BCW CONTROL WIRE AND CASINGS. COORDINATE INSTALLATION LOCATION WITH ARCHITECT AND MOUNT CABLE CONTROLLER IN CEILING IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

M24 PROVIDE BOILER FLUE VENTING AND COMBUSTION AIR INTAKE PIPING IN STRICT ACCORDANCE WITH BOILER MANUFACTURER'S INSTALLATION INSTRUCTIONS. PROVIDE VERTICAL CONCENTRIC VENT TERMINATION THROUGH ROOF. VENTING AND INTAKE SHALL BE A COMPLETE SYSTEM FROM BOILER MANUFACTURER'S APPROVED LIST.

M25 PROVIDE DOMESTIC WATER HEATER FLUE VENTING AND COMBUSTION AIR INTAKE PIPING IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS. PROVIDE VERTICAL CONCENTRIC VENT TERMINATION THROUGH ROOF. VENTING AND INTAKE SHALL BE A COMPLETE SYSTEM FROM MANUFACTURER'S APPROVED LIST.

M26 PROVIDE WEATHER RESISTANT FLEXIBLE CONNECTOR BETWEEN UNIT AND DUCTWORK. INSULATE DUCTWORK WITH 2" RIGID INSULATION. WRAP DUCTWORK WITH POLYGUARD COOL WRAP - ALUMAGUARD ALL WEATHER DUCT JACKETING BETWEEN FLEXIBLE CONNECTION AND WALL PENETRATION. COORDINATE FLASHING AND SEALING OF WALL PENETRATION WITH GENERAL CONTRACTOR. PROVIDE UNI-STRUT DUCT SUPPORT SYSTEM WITH RECYCLED RUBBER SUPPORT FEET.

M27 BALANCE DOAS SUPPLY DUCTS TO THE OUTSIDE AIR QUANTITIES INDICATED IN THE FAN COIL UNIT SCHEDULE ON SHEET MEP-103.

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OFFICE OF ADMINISTRATION
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DESIGN AND CONSTRUCTION

DEPARTMENT OF Corrections

JOPLIN COMMUNITY SUPERVISION CENTER

2303 WEST 20TH STREET
JOPLIN, MO 64801

PROJECT # C2512-01
SITE # 7033
ASSET # 9327033001

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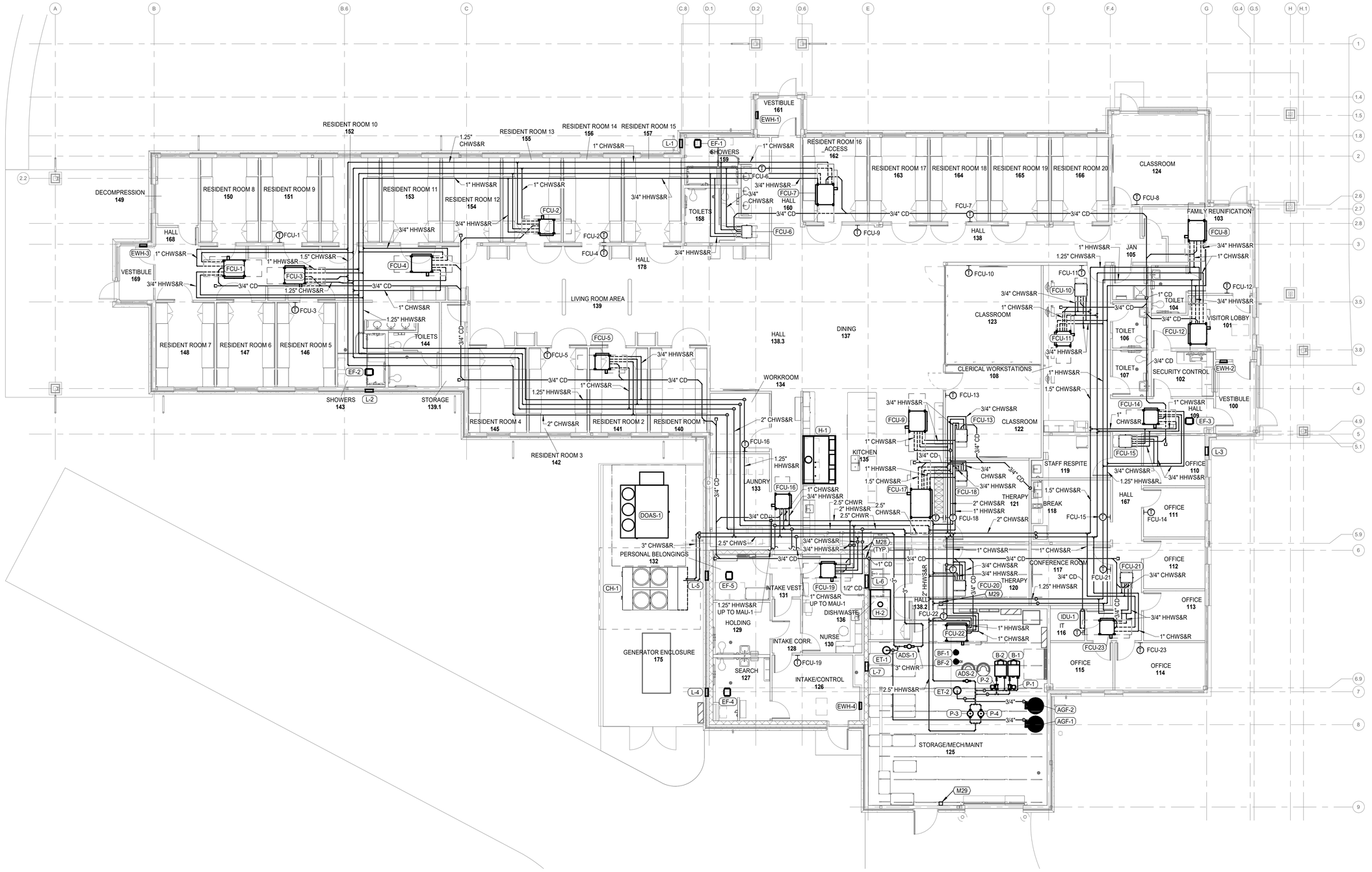
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September 30, 2026

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FIRST FLOOR - MECHANICAL PIPING

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

FLOOR PLAN NOTES

M28 PROVIDE WALL PIPING SHROUD AT PIPE PENETRATIONS THROUGH STORM SHELTER WALLS. SHROUD SHALL BE RPH CYCLONE WALL SHROUD (CWS) OR ENGINEER APPROVED EQUAL.

M29 PROVIDE AN EMERGENCY POWER OFF (EPO) SWITCH AT EACH BOILER ROOM ENTRANCE. INSTALL PER THE MANUFACTURER'S RECOMMENDATIONS. EACH EPO SWITCH SHALL SHUT DOWN ALL BOILERS SIMULTANEOUSLY. COORDINATE WITH ELECTRICAL CONTRACTOR.

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PROJECT # C2512-01
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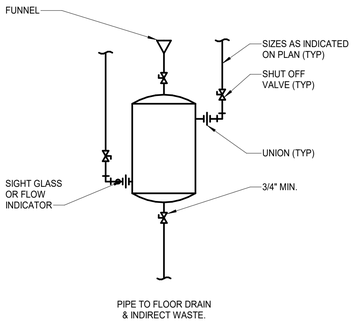
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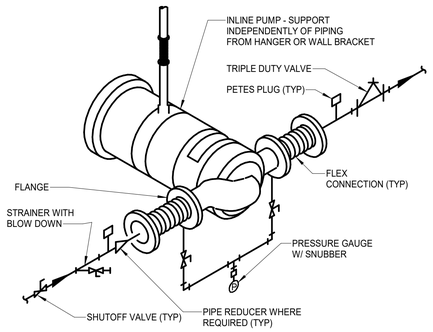
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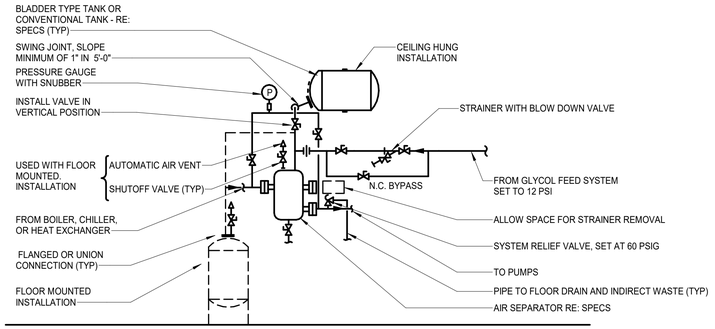
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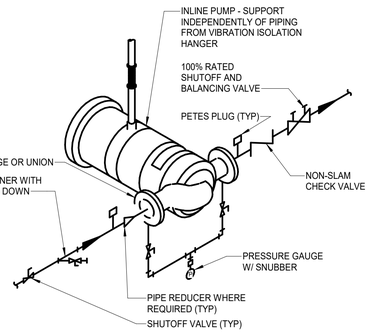
CHEMICAL POT FEEDER DETAIL
NOT TO SCALE



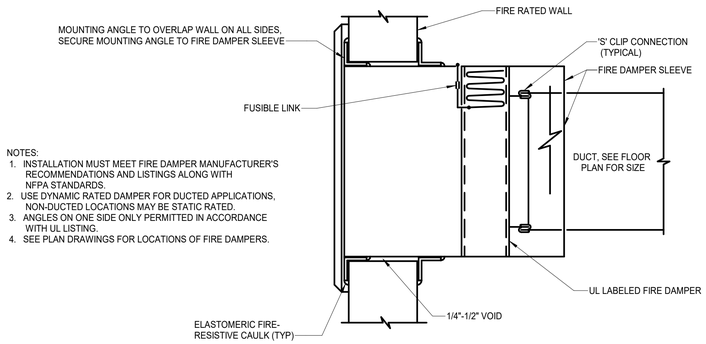
IN-LINE PUMP DETAIL - P-3 & P-4
NOT TO SCALE



COMPRESSION TANK WITH AIR SEPARATOR PIPING DETAIL
NOT TO SCALE

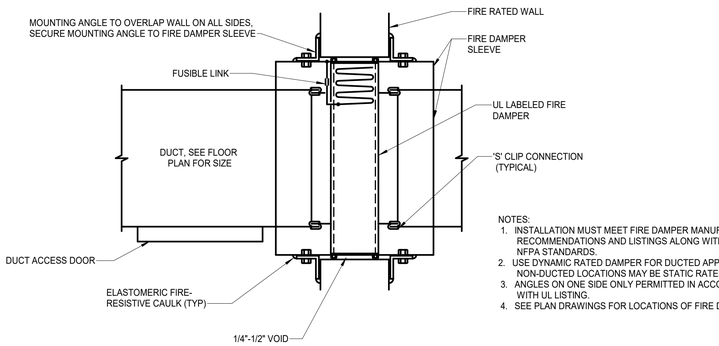


IN-LINE PUMP DETAIL - P-1 & P-2
NOT TO SCALE



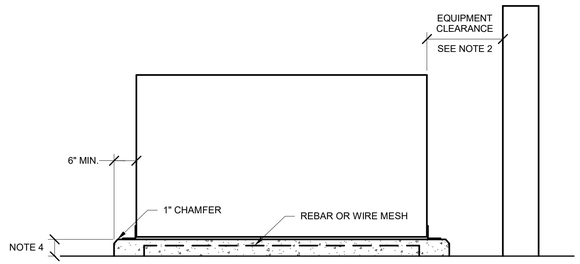
NOTES:
1. INSTALLATION MUST MEET FIRE DAMPER MANUFACTURER'S RECOMMENDATIONS AND LISTINGS ALONG WITH NFPA STANDARDS.
2. USE DYNAMIC RATED DAMPER FOR DUCTED APPLICATIONS, NON-DUCTED LOCATIONS MAY BE STATIC RATED.
3. ANGLES ON ONE SIDE ONLY PERMITTED IN ACCORDANCE WITH UL LISTING.
4. SEE PLAN DRAWINGS FOR LOCATIONS OF FIRE DAMPERS.

OUT OF WALL FIRE DAMPER DETAIL
NOT TO SCALE



NOTES:
1. INSTALLATION MUST MEET FIRE DAMPER MANUFACTURER'S RECOMMENDATIONS AND LISTINGS ALONG WITH NFPA STANDARDS.
2. USE DYNAMIC RATED DAMPER FOR DUCTED APPLICATIONS, NON-DUCTED LOCATIONS MAY BE STATIC RATED.
3. ANGLES ON ONE SIDE ONLY PERMITTED IN ACCORDANCE WITH UL LISTING.
4. SEE PLAN DRAWINGS FOR LOCATIONS OF FIRE DAMPERS.

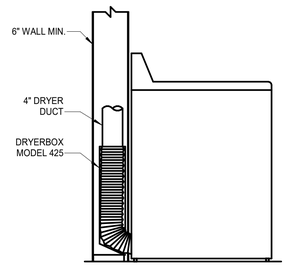
FIRE DAMPER DETAIL
NOT TO SCALE



NOTES:
1. POUR SLAB FLAT WITH NO VALLEYS.
2. MINIMUM CLEARANCE AROUND EQUIPMENT, ALL SIDES, PER MANUFACTURER.
3. DIMENSIONS SHOWN ARE MINIMUM ACCEPTABLE; REVISE AS REQUIRED FOR EQUIPMENT BEING PROVIDED.
4. COORDINATE PAD HEIGHT WITH SPECIFICATIONS. USE MINIMUM 3-1/2" HEIGHT IF NOT SPECIFIED.

INTERIOR EQUIPMENT PAD DETAIL
NOT TO SCALE

NOTES:
1. CLOTHES DRYER SHALL BE EXHAUSTED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. COORDINATE DRYER DUCT LENGTH REQUIREMENT PRIOR TO CONSTRUCTION.
2. ANY DUCT THAT PENETRATES A WALL OR CEILING MEMBRANE SHALL MEET THE REQUIREMENTS OF IMC SECTION 504.2
3. DUCTWORK SHALL BE CONSTRUCTED USING RIVETS AND ALUMINUM TAPE. NO SCREWS ARE ALLOWED AND RIVETS ARE NOT ALLOWED TO PROTRUDE DUCTWORK BY MORE THAN 1/8 INCH.
4. DRYER DUCTS SHALL HAVE A SMOOTH INERIOR FINISH AND SHALL BE CONSTRUCTED OF METAL NOT LESS THAN 0.016 IN THICKNESS.
5. DRYER DUCT SHALL NOT BE DEFORMED AT ANY POINT INCLUDING AT THE CONNECTION TO THE DRYERBOX.
6. DRYER DUCT SHALL BE SUPOORTED AT 4 FOOT INTERVAL AND SECURED IN PLACE.
7. REFER TO DRYERBOX MANUFACTURER REQUIREMENTS WHEN INSTALLING DRYERBOX IN THE FIRE RESISTANCE WALL.
8. DRYER EXHAUST DUCT SHALL TERMINATE ON THE OUTSIDE AT DRYER APPROVED VENT THAT IS EQUIPPED WITH A BACKDRAFT DAMPER. NO SCREENS ARE ALLOWED.



DRYER BOX DETAIL
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MIKE KEHOE, GOVERNOR

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10.12.2026

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OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION

DEPARTMENT OF Corrections

JOPLIN COMMUNITY SUPERVISION CENTER

2303 WEST 20TH STREET
JOPLIN, MO 64801

PROJECT # C2512-01
SITE # 7033
ASSET # 9327033001

Revision

Number	Revision Date	Revision Description
1	10/12/2026	Addendum 1

ISSUE DATE: September 30, 2026

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MECHANICAL DETAILS

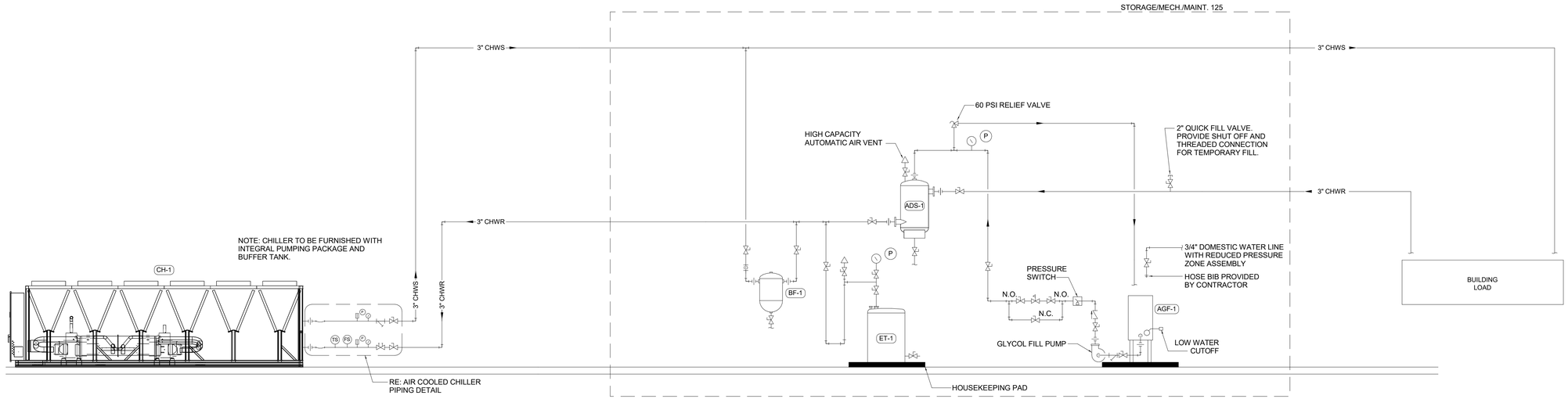
SHEET NUMBER:
M-203

September 30, 2026

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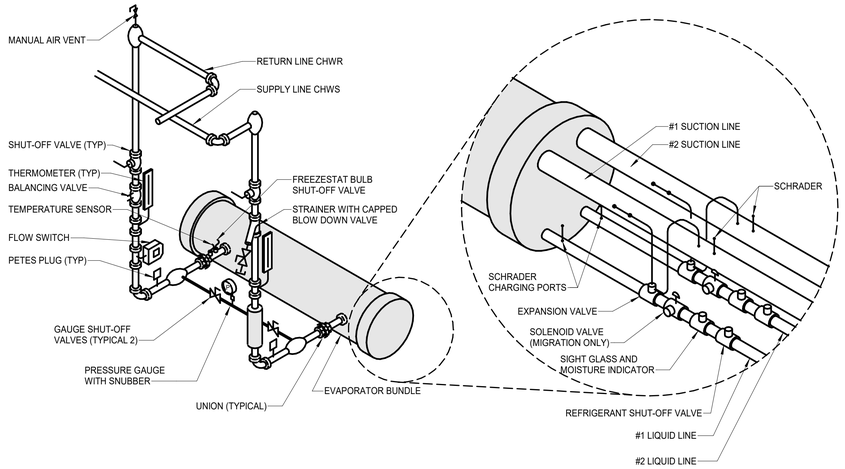
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CHILLED WATER PIPING DIAGRAM

NOT TO SCALE



AIR COOLED CHILLER PIPING DETAIL

NOT TO SCALE

STATE OF MISSOURI
MIKE KEHOE, GOVERNOR

STATE OF MISSOURI
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JOPLIN COMMUNITY SUPERVISION CENTER

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ASSET # 9327033001

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September 30, 2026

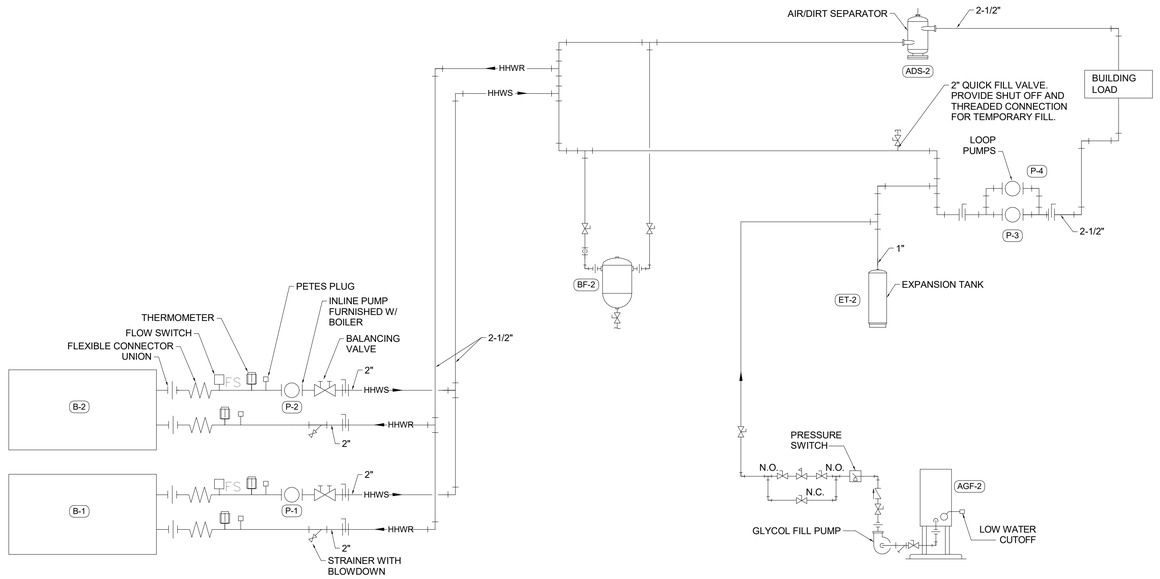
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HEATING HOT WATER PIPING SCHEMATIC

NOT TO SCALE

STATE OF MISSOURI
MIKE KEHOE,
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ISSUE DATE: September 30, 2026

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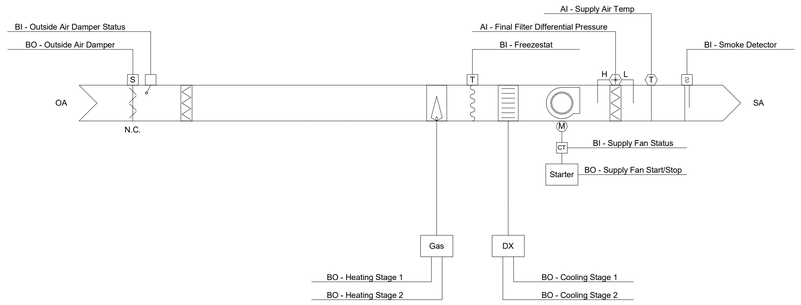
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DEDICATED OUTSIDE AIR UNIT

NOT TO SCALE

1. Dedicated Outside Air Unit (typical of 1)

Run Conditions - Continuous:
The unit shall run continuously.

The Dedicated Outside Air Unit shall run subject to its own internal safeties and controls. Coordinate points list and sequence with unit provided.

Freeze Protection:
The unit shall shut down and generate an alarm upon receiving a freezestat status.

Smoke Detection:
The unit shall shut down and generate an alarm upon receiving a smoke detector status.

Outside Air Damper:
The outside air damper shall open anytime the unit runs and shall close anytime the unit stops. The supply fan shall start only after the damper status has proven the damper is open. The outside air damper shall close 4sec (adj.) after the supply fan stops.

Alarms shall be provided as follows:
- Outside Air Damper Failure: Commanded open, but the status is closed.
- Outside Air Damper in Hand: Commanded closed, but the status is open.

Supply Fan:
The supply fan shall run anytime the unit is commanded to run. To prevent short cycling, the supply fan shall have a user definable (adj.) minimum runtime, unless shutdown on safeties.

Alarms shall be provided as follows:
- Supply Fan Failure: Commanded on, but the status is off.
- Supply Fan in Hand: Commanded off, but the status is on.
- Supply Fan Runtime Exceeded: Status runtime exceeds a user definable limit (adj.).

Supply Air Temperature Setpoint - Fixed:
The controller shall monitor the supply air temperature and shall maintain a fixed supply air temperature setpoint of 70° F (adj.).

Cooling Stages:
The controller shall measure the supply air temperature and stage the cooling to maintain its cooling setpoint. To prevent short cycling, there shall be a user definable (adj.) delay between stages, and each stage shall have a user definable (adj.) minimum runtime.

The cooling shall be enabled whenever:
- Outside air temperature is greater than 60°F (adj.).
- AND the supply air temperature is above cooling setpoint.
- AND the fan status is on.

Dehumidification:
Dehumidification mode to be enabled based on the outside air dew point condition or space humidity. When the outside air dew point is greater or the space humidity is greater than the desired set point (adj.), the unit will operate in dehumidification mode. When in dehumidification mode the controller will adjust the cold coil leaving air temperature set point between the minimum (adj.) and the maximum (adj.) limits, to satisfy the desired room relative humidity set point. Adjustable locally or by BMS. During dehumidification the modulating HGRH is controlled to maintain the supply air temperature setpoint.

Gas Heating Stages:
The controller shall measure the supply air temperature and stage the heating to maintain its heating setpoint. To prevent short cycling, there shall be a user definable (adj.) delay between stages, and each stage shall have a user definable (adj.) minimum runtime.

The heating shall be enabled whenever:
- Outside air temperature is less than 65°F (adj.).
- AND the supply air temperature is below heating setpoint.
- AND the fan status is on.

Final Filter Differential Pressure Monitor:
The controller shall monitor the differential pressure across the final filter.

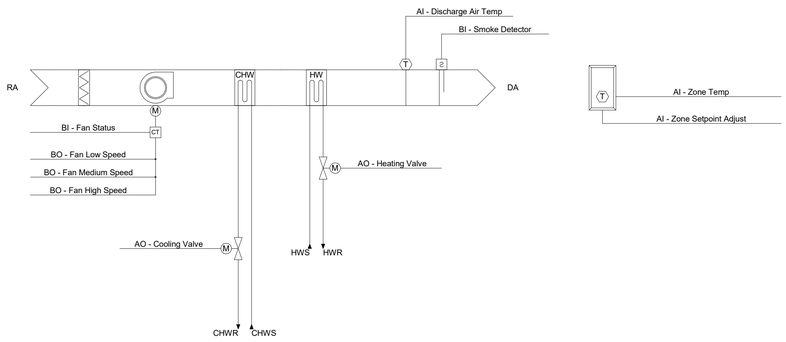
Alarms shall be provided as follows:
- Final Filter Change Required: Final filter differential pressure exceeds a user definable limit (adj.).

Supply Air Temperature:
The controller shall monitor the supply air temperature.

Alarms shall be provided as follows:
High Supply Air Temp: If the supply air temperature is greater than 120°F (adj.).

Point Name	Hardware Points AI	AO	BI	BO	Software Points AV	BV	Loop	Sched	Trend	Alarm	Show On Graphic
Final Filter Differential Pressure	x								x		
Supply Air Temp	x								x		x
Freezestat			x						x	x	x
Outside Air Damper Status			x						x		x
Smoke Detector			x						x	x	x
Supply Fan Status			x						x		x
Cooling Stage 1				x					x		x
Cooling Stage 2				x					x		x
Heating Stage 1				x					x		x
Heating Stage 2				x					x		x
Outside Air Damper				x					x		x
Supply Fan Start/Stop				x					x		x
Supply Air Temp Setpoint					x				x		x
Compressor Runtime Exceeded										x	
Final Filter Change Required										x	x
High Supply Air Temp										x	
Low Supply Air Temp										x	
Outside Air Damper Failure										x	
Outside Air Damper in Hand										x	
Supply Fan Failure										x	
Supply Fan in Hand										x	
Supply Fan Runtime Exceeded										x	
Totals	**2**	**0**	**4**	**6**	**1**	**0**	**0**	**0**	**13**	**11**	**13**

Total Hardware (12) **Total Software (25)**



FAN COIL UNIT

NOT TO SCALE

1. Fan Coil Unit (typical of 23)

Run Conditions - Continuous:
The unit shall run continuously and shall maintain:
- A 75°F (adj.) cooling setpoint.
- A 70°F (adj.) heating setpoint.

Alarms shall be provided as follows:
- High Zone Temp: If the zone temperature is greater than the cooling setpoint by a user definable amount (adj.).
- Low Zone Temp: If the zone temperature is less than the heating setpoint by a user definable amount (adj.).

Zone Setpoint Adjust:
The occupant shall be able to adjust the zone temperature heating and cooling setpoints at the zone sensor.

Smoke Detection:
The unit shall shut down and generate an alarm upon receiving a smoke detector status.

Fan:
The fan shall run anytime the unit is commanded to run, unless shutdown on safeties. The fan speeds shall automatically be indexed as follows:
- Low speed shall run anytime the zone temperature is within setpoints.
- Medium speed shall run anytime the zone temperature is outside of setpoints.
- High speed shall run anytime the zone temperature is outside of setpoints by a definable amount (adj.).

Cooling Coil Valve:
The controller shall measure the zone temperature and modulate the cooling coil valve to maintain its cooling setpoint.

The cooling shall be enabled whenever:
- Outside air temperature is greater than 60°F (adj.).
- AND the zone temperature is above cooling setpoint.
- AND the fan is on.

The cooling coil valve shall open whenever the freezestat (if present) is on.

Heating Coil Valve:
The controller shall measure the zone temperature and modulate the heating coil valve to maintain its heating setpoint.

The heating shall be enabled whenever:
- Outside air temperature is less than 65°F (adj.).
- AND the zone temperature is below heating setpoint.
- AND the fan is on.

The heating coil valve shall open whenever the freezestat (if present) is on.

Filter Hours:
The controller shall monitor the fan runtime.

Alarms shall be provided as follows:
- Filter Change Required: Filter has been in use for more than 2200 hrs (adj.).

Discharge Air Temperature:
The controller shall monitor the discharge air temperature.

Alarms shall be provided as follows:
- High Discharge Air Temp: If the discharge air temperature is greater than 120°F (adj.).
- Low Discharge Air Temp: If the discharge air temperature is less than 40°F (adj.).

Fan Status:
The controller shall monitor the fan status.

Alarms shall be provided as follows:
- Fan Failure: Commanded on, but the status is off.
- Fan in Hand: Commanded off, but the status is on.
- Fan Runtime Exceeded: Fan status runtime exceeds a user definable limit (adj.).

Point Name	Hardware Points AI	AO	BI	BO	Software Points AV	BV	Loop	Sched	Trend	Alarm	Show On Graphic
Discharge Air Temp	x								x		x
Zone Setpoint Adjust	x										x
Zone Temp	x								x		x
Cooling Valve		x							x		x
Heating Valve		x							x		x
Fan Status			x								x
Smoke Detector			x						x	x	x
Fan High Speed				x					x		x
Fan Low Speed				x					x		x
Fan Medium Speed				x					x		x
Cooling Setpoint					x				x		x
Heating Setpoint					x				x		x
Fan Failure										x	
Fan in Hand										x	
Fan Runtime Exceeded										x	
Filter Change Required										x	
High Discharge Air Temp										x	
High Zone Temp										x	
Low Discharge Air Temp										x	
Low Zone Temp										x	
Totals	**3**	**2**	**2**	**3**	**2**	**0**	**0**	**0**	**10**	**9**	**12**

Total Hardware (10) **Total Software (21)**

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1	10/12/2026	Addendum 1

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SHEET TITLE:
MECHANICAL CONTROLS

SHEET NUMBER:
M-403 1

September 30, 2026

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HOOD INFORMATION

HOOD NO.	MARK	MODEL	HOOD DIMENSIONS (IN.) LENGTH	WIDTH	HEIGHT	HOOD CONSTR.	COOKING LOAD / DUTY RATING	EXHAUST TOTAL CFM	COLLAR(S) WIDTH	LENGTH	DIA.	CFM	S.P.	SUPPLY MUA CFM	AC CFM	HANGING WEIGHT LBS.	SECTION LOCATION
1	KEH-1	XXEW-97-S	97	54	24	300 SS 100%	HEAVY	1819			14	1819	0.619	1455		345	SINGLE

HOOD INFORMATION

HOOD NO.	MARK	LIGHTING DETAILS FIXTURE TYPE BULB / LAMP INFO	QTY	FOOT CANDLES	GREASE FILTRATION DETAILS TYPE / MODEL MATERIAL	QTY	SIZE (IN.) L	H	UTILITY CABINET(S) LOCATION	FIRE SYSTEM TYPE	SIZE	CONTROLS MODEL	INTERFACE
1	KEH-1	ROUND LED	2	64.82	X-TRACTOR (SPARK ARRESTOR INCL.) STAINLESS STEEL	6	16	20					
						0	20		WALL	AMEREX KP	3.75	XKC	

SUPPLY PLENUM INFORMATION

HOOD NO.	MARK	POS.	TYPE	SIZE (IN.) L	W	H	INSULATED	DAMPER(S)	LED LIGHT(S) SUPPLIED	QTY	TOTAL CFM	TOTAL S.P.	COLLARS TYPE	MOUNTING	QTY	W	L	DIA.	CFM	VEL.
1	KEH-1	FRONT	ASP	99	14	4	NO	YES	NO		1455	0.01	MUA	FACTORY	3	12	22		485	265

HOOD OPTIONS

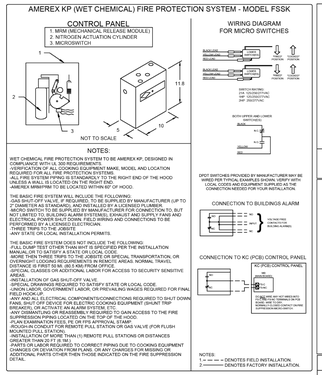
- UL 710 LISTED W/ OUT EXHAUST FIRE DAMPER - UL #R25625
- HOOD TOP INSULATED FOR ZERO CLEARANCE TO COMBUSTIBLES
- BACK INTEGRAL AIR SPACE - 3 IN WIDE - ZERO CLEARANCE
- RIGHT NON-INTEGRAL AIR SPACE - 1 IN THICK - ZERO CLEARANCE
- LEFT NON-INTEGRAL AIR SPACE - 1 IN THICK - ZERO CLEARANCE
- 45 IN HIGH CEILING ENCLOSURES - FRONT, LEFT, RIGHT - FIELD INSTALLED
- FACTORY MOUNTED EXHAUST COLLAR(S)
- WALL UTILITY CABINET 24 IN HIGH 48 IN LONG 12 IN WIDE
- BACKSPLASH 80.00 IN HIGH 99.00 IN LONG
- RIGHT SIDESPLASH 122.00 IN HIGH 18.00 IN LONG
- LEFT SIDESPLASH 122.00 IN HIGH 18.00 IN LONG
- PERFORMANCE ENHANCING LIP (PEL) TECHNOLOGY
- STANDING SEAM CONSTRUCTION FOR SUPERIOR STRENGTH

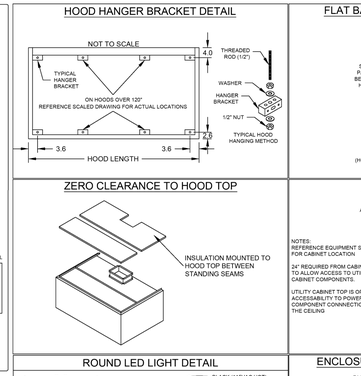
FIRE SYSTEM INFORMATION

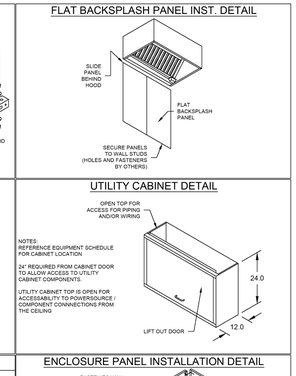
MARK	MODEL	LOCATION	FLOW POINTS HOODS	PCU	SUPPLY LINE	DETECTION	MARK(S) PROTECTED BY FIRE SYSTEM
KFS-1	AMEREX KP WET CHEMICAL	WALL CABINET – ON KEH-1	8 UTILIZED 11 AVAILABLE		CONTINUOUS	FUSIBLE LINK	KEH-1 SECTION 1

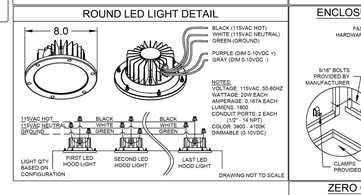
FIRE SYSTEM OPTIONS AND ACCESSORIES

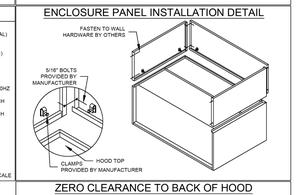
- FULL INSTALLATION (INCLUDES PRE-PIPED HOOD(S) WITH DETECTION AND FACTORY COORDINATED INSTALL)
- CHROME SLEEVES FOR FACTORY PROVIDED APPLIANCES DROPS - INCLUDED
- METAL BLOW-OFF CAPS - INCLUDED
- GAS VALVE - INCLUDED - MECHANICAL SHUTOFF VALVE, 2.00" (AMEREX) - PART# 468830
- HOOD SUPPRESSION TANK - INCLUDED - 3.75 GAL. - [(1) 3.75 TANK(S)]
- REMOTE PULL STATION - STANDARD - FIELD INSTALLATION AT SINGLE POINT OF EGRESS



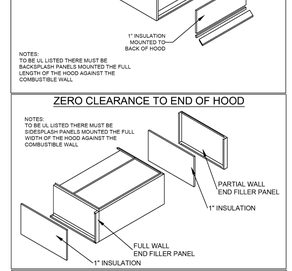










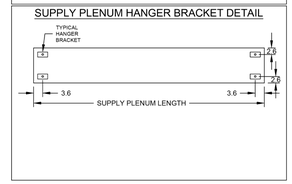


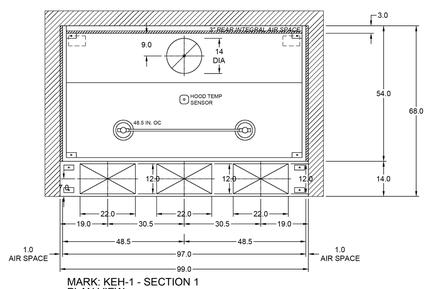
HOOD HANGING HEIGHT FOR FIRE SYSTEMS

VERIFICATION OF HOOD HANGING HEIGHT ABOVE FINISHED FLOOR (A.F.F.) IS REQUIRED FOR CORRECT PLACEMENT OF FIRE SYSTEM NOZZLES.

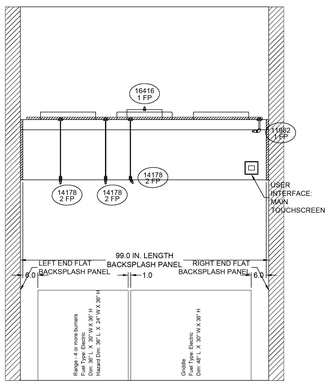
☐ RECOMMENDED HANGING HEIGHT = 80" FROM FINISHED FLOOR TO LOWER FRONT EDGE OF HOOD.

☐ OTHER HANGING HEIGHT = _____" FROM FINISHED FLOOR TO LOWER EDGE OF HOOD.

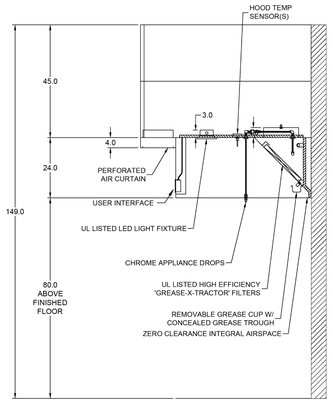




MARK: KEH-1 - SECTION 1
PLAN VIEW



MARK: KEH-1 - SECTION 1
ELEVATION VIEW



MARK: KEH-1
SECTION VIEW



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MIKE KEHOE, GOVERNOR

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10.12.2026

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DIVISION OF FACILITIES MANAGEMENT,
DESIGN AND CONSTRUCTION

DEPARTMENT OF Corrections

JOPLIN COMMUNITY SUPERVISION CENTER

2303 WEST 20TH STREET
JOPLIN, MO 64801

PROJECT # C2512-01
SITE # 7033
ASSET # 9327033001

Revision Number	Revision Date	Revision Description
1	10/12/2026	Addendum 1

ISSUE DATE: September 30, 2026

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CHECKED BY: GJF
DESIGNED BY: EDG

SHEET TITLE:
KITCHEN HOOD DRAWINGS

SHEET NUMBER:
M-501

September 30, 2026

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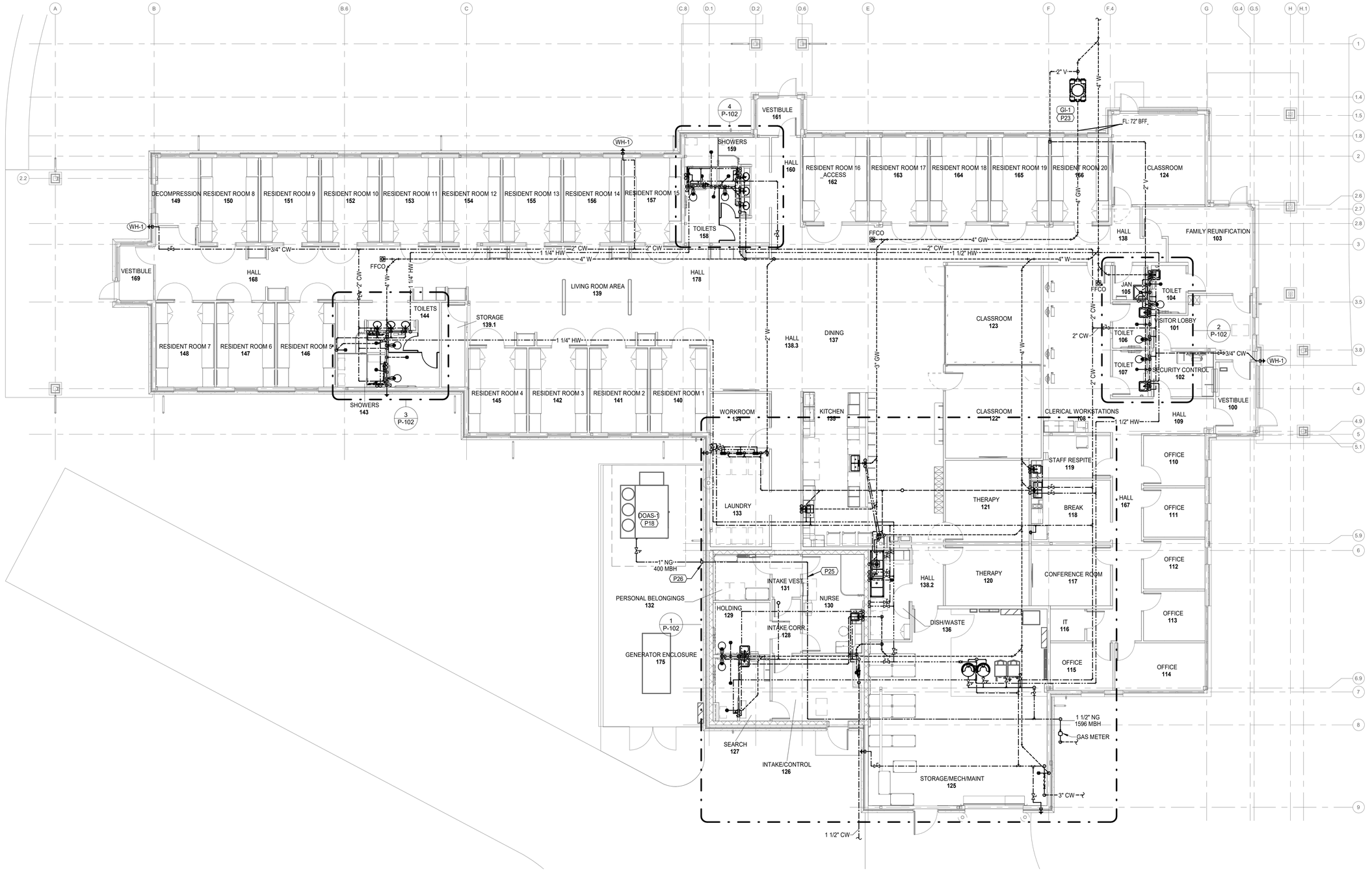
JOPLIN COMMUNITY SUPERVISION CENTER
KEH-1

PROJECT	MARK
9/8/2026	

ACCUREX

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10/9/2026 4:03:27 PM



FIRST FLOOR - PLUMBING

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

FLOOR PLAN NOTES

P18	CONNECT TO MECHANICAL EQUIPMENT WITH GAS COCK, DIRT LEG, AND UNION. PROVIDE UNION (INLET: 2PSI, OUTLET: 10"WC) WITHIN 10' OF CONNECTION.
P23	NEW GREASE INTERCEPTOR FURNISHED FOR BELOW-GRADE INSTALLATION, RE: DETAIL. ADHERE TO MANUFACTURER'S PUBLISHED INSTALLATION, BACKFILL, AND REINFORCEMENT REQUIREMENTS.
P25	ROUTE GAS PIPING ACROSS ROOF OF STORM SHELTER. PROVIDE PREFAB SUPPORTS, SPACED AS REQUIRED PER IFGC.
P26	ROUTE GAS PIPING DOWN TIGHT TO EXTERIOR WALL AND OVER ABOVE GRADE AS INDICATED. PROVIDE PREFAB SUPPORTS, SPACED AS REQUIRED PER IFGC.

GREASE INTERCEPTOR SCHEDULE

MARK NO.	MANUFACTURER	MODEL NO.	MATERIAL	INSTALLATION	LIQUID CAPACITY (GAL)	GREASE CAPACITY (LBS)	FLOW RATE (GPM)	INLET/ OUTLET SIZE	MAX OPERATING TEMP (°F)	NOTES
GI-1	SCHIER	GB-75	HDPE	BELOW GRADE	125	861	75	4"	140	1,2,3,4

NOTES:
1. PROVIDE EXTENSION RINGS AND/OR RISERS AS REQUIRED TO MEET GRADE.
2. PROVIDE WITH "T24-GI" H20 TRAFFIC RATE MANHOLE COVER WITH GAS/WATER TIGHT SEAL.
3. PROVIDE HIGH-WATER ANCHOR KIT WHERE UNIT IS INSTALLED IN HIGH WATER TABLE.
4. REFER TO MANUFACTURER'S PUBLISHED INSTALLATION REQUIREMENTS FOR BACKFILL AND REINFORCEMENT.

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MIKE KEHOE, GOVERNOR

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JOPLIN, MO 64801

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SITE # 7033
ASSET # 9327033001

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1	10/12/2026	Addendum 1

ISSUE DATE: September 30, 2026

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CHECKED BY: GJF
DESIGNED BY: JMS

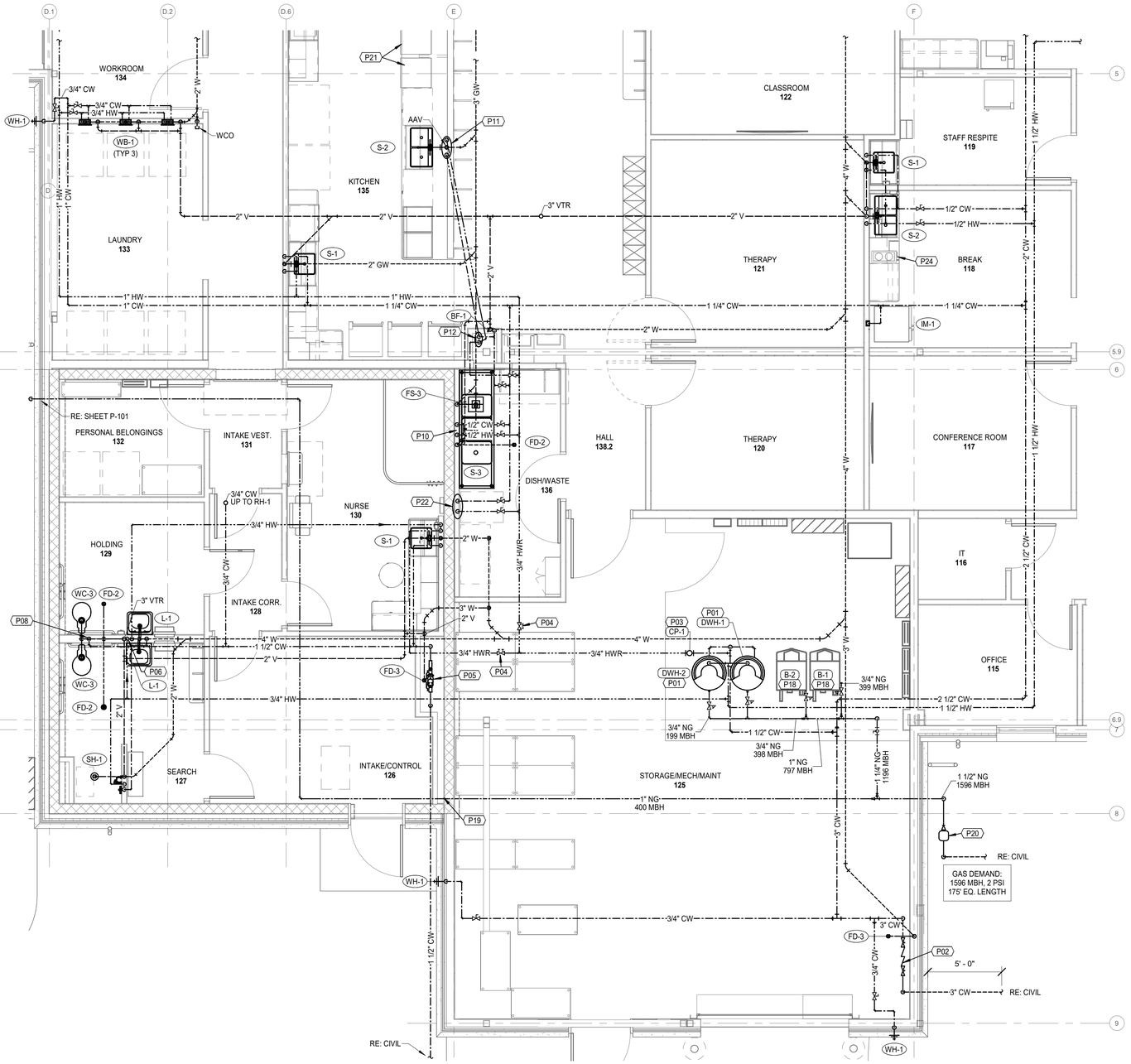
SHEET TITLE:
FIRST FLOOR - PLUMBING

SHEET NUMBER:
P-101
1

September 30, 2026

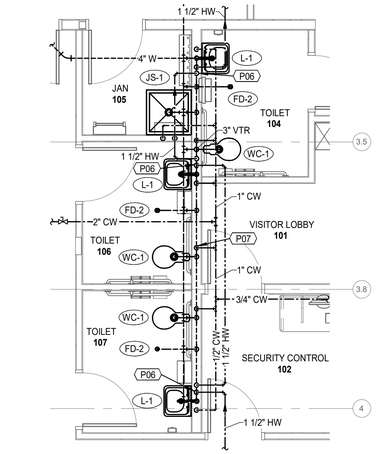
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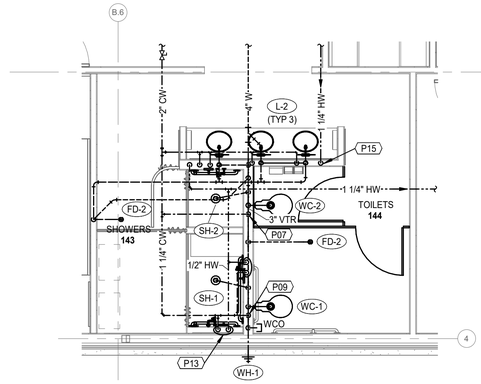
ENLARGED FIRST FLOOR - PLUMBING

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



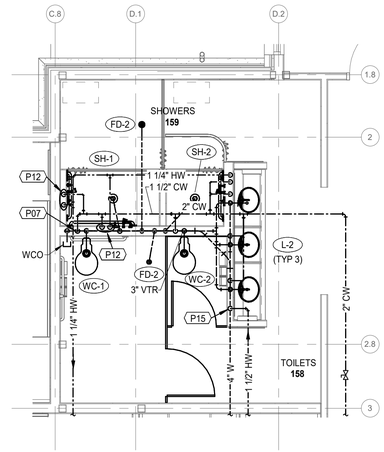
ENLARGED FLOOR PLAN - TOILET 104,106, & 107 - PLUMBING

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



ENLARGED FLOOR PLAN - SHOWERS 143 - PLUMBING

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



ENLARGED FLOOR PLAN - SHOWERS 159 - PLUMBING

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

FLOOR PLAN NOTES

P01	NEW GAS FIRED WATER HEATERS ON 4" HOUSEKEEPING PAD AND PIPED IN PARALLEL. ROUTE WASTE FROM T&P AND DRAIN VALVES TO NEAREST FLOOR DRAIN AND INDIRECT WASTE. CONNECT NATURAL GAS PIPING TO EQUIPMENT WITH GAS COCK, DIRT LEG, PRESSURE REGULATOR, AND UNION.
P02	NEW RPZ BACKFLOW PREVENTER, WATTS 957, WATTS LF009, OR EQUAL. ROUTE WASTE FROM AIR-GAP FITTING TO NEAREST FLOOR DRAIN AND TERMINATE INDIRECTLY.
P03	NEW CIRCULATION PUMP, RE: DETAIL.
P04	CALIBRATED BALANCE VALVE, SET TO 1.0 GPM.
P05	PROVIDE NEW 1-1/2" RPZ BACKFLOW PREVENTER TO SERVE STORM SHELTER, WATTS LF009 OR EQUAL. ROUTE DRAIN FROM AIR-GAP FITTING TO FLOOR DRAIN AND TERMINATE WITH AIR GAP.
P06	ROUTE HOT WATER LOOP DOWN IN WALL. PROVIDE 1/2" BRANCH CONNECTION TO SINK WITHIN 2'-0" OF FIXTURE AND ROUTE BACK UP TO ABOVE CEILING.
P07	1" COLD WATER DOWN TO WATER CLOSET CONNECTION.
P08	1 1/2" COLD WATER DOWN IN WALL. CONNECT 1" TO EACH WATER CLOSET.
P09	1 1/4" COLD WATER DOWN IN WALL. CONNECT 1" COLD WATER TO WATER CLOSET AND 3/4" COLD WATER TO WALL HYDRANT.
P10	1/2" HOT AND COLD WATER DOWN TO 3-COMP SINK.
P11	1/2" HOT AND COLD WATER UP FROM BELOW SLAB. CONNECT 1/2" HOT AND COLD WATER TO SINK, AND 1/2" HOT WATER TO EACH DISHWASHER.
P12	1/2" HOT AND COLD WATER DOWN IN WALL AND OVER BELOW SLAB AS INDICATED. RE: DETAIL.
P13	1/2" HOT AND COLD WATER DOWN TO SHOWER VALVE.
P15	ROUTE HOT WATER LOOP DOWN AND IN WALL. PROVIDE 1/2" BRANCH CONNECTION TO LAVATAORY WITHIN 2'-0" OF FIXTURE, AND BACK UP TO ABOVE CEILING AFTER CONNECTION TO SHOWER VALVE.
P18	CONNECT TO MECHANICAL EQUIPMENT WITH GAS COCK, DIRT LEG, AND UNION. PROVIDE UNION (INLET: 2PSI, OUTLET: 10"WC) WITHIN 10' OF CONNECTION.
P19	ROUTE GAS PIPING THRU EXTERIOR WALL AND OUT ONTO ROOF OF STORM SHELTER. SUPPORT NATURAL GAS PIPING ON ROOF WITH PREFAB SUPPORTS, SPACE AS REQUIRED PER IFGC.
P20	NEW GAS METER BY UTILITY. PROVIDE ALL FITTINGS AND ACCESSORIES REQUIRED FOR COMPLETE INSTALLATION PER UTILITY STANDARDS. COORDINATE BUILDING DEMAND AND FINAL LOCATION WITH UTILITY.
P21	ROUTE DRAIN FROM DISHWASHERS TO TAILPIECE OF SINK WITH HIGH LOOP AND HOSE JOINER.
P22	1/2" HOT AND COLD WATER DOWN IN WALL. CONNECT 1/2" HOT WATER TO DISHMACHINE INLET, AND 1/2" COLD WATER TO DRAIN TEMPERING VALVE. MAKE ALL CONNECTIONS PER MANUFACTURER'S RECOMMENDATIONS.
P24	EXTEND 1/2" COLD WATER LINE OVER IN CASEWORK FROM SINK AND UP THRU COUNTER WITH GROMMET TO SUPPLY COFFEE MAKER.

STATE OF MISSOURI MIKE KEHOE, GOVERNOR

STATE OF MISSOURI GREGORY J. FENDLER NUMBER PE-2009037230 PROFESSIONAL ENGINEER
10.12.2026

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JOPLIN COMMUNITY SUPERVISION CENTER

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PROJECT # C2512-01
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ASSET # 9327033001

Revision

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CHECKED BY: GJF
DESIGNED BY: JMS

SHEET TITLE:
ENLARGED FLOOR PLANS - PLUMBING

SHEET NUMBER:
P-102 (1)

September 30, 2026

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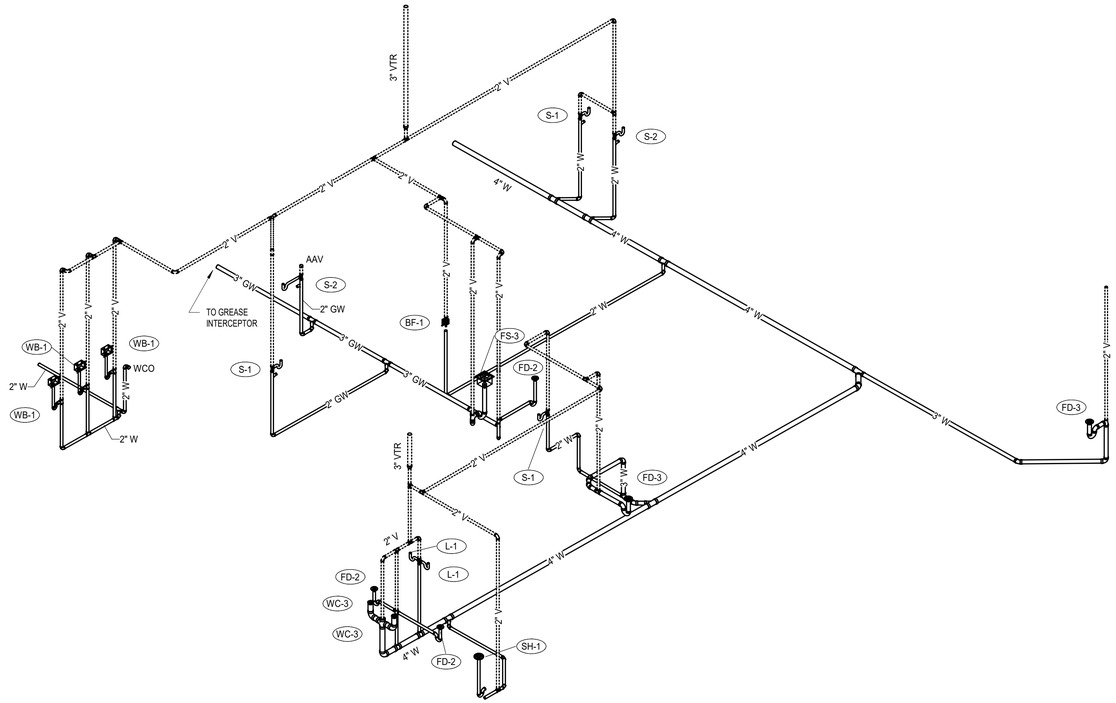
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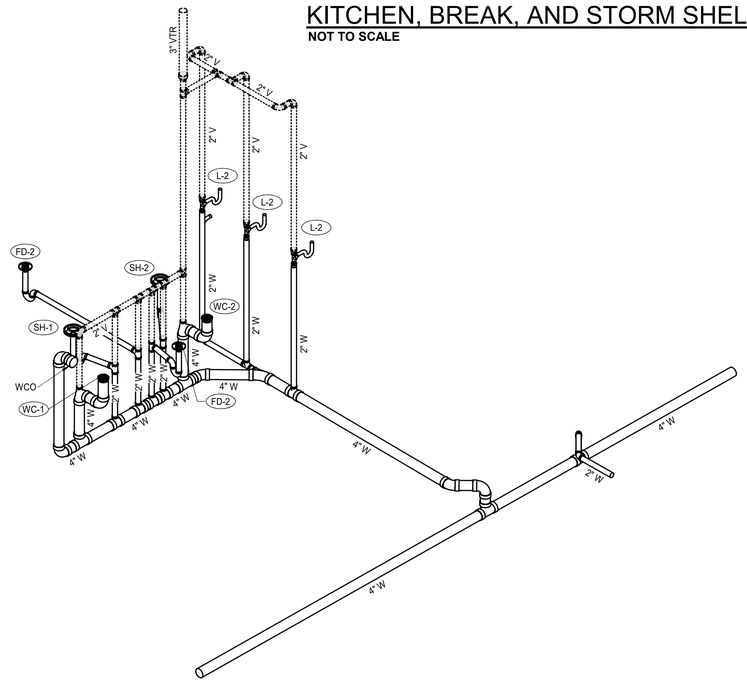
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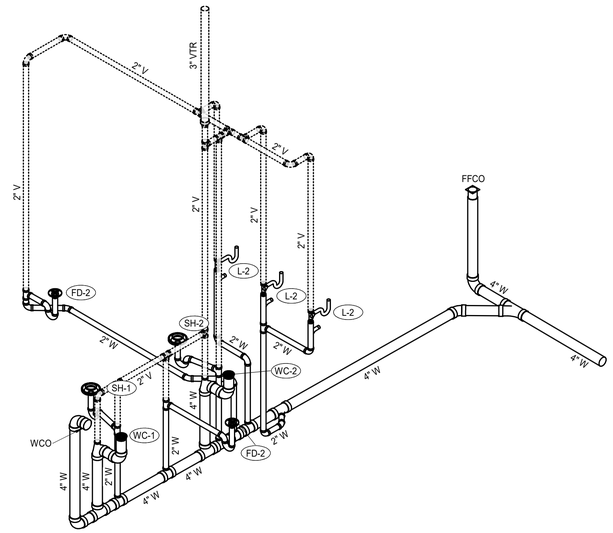
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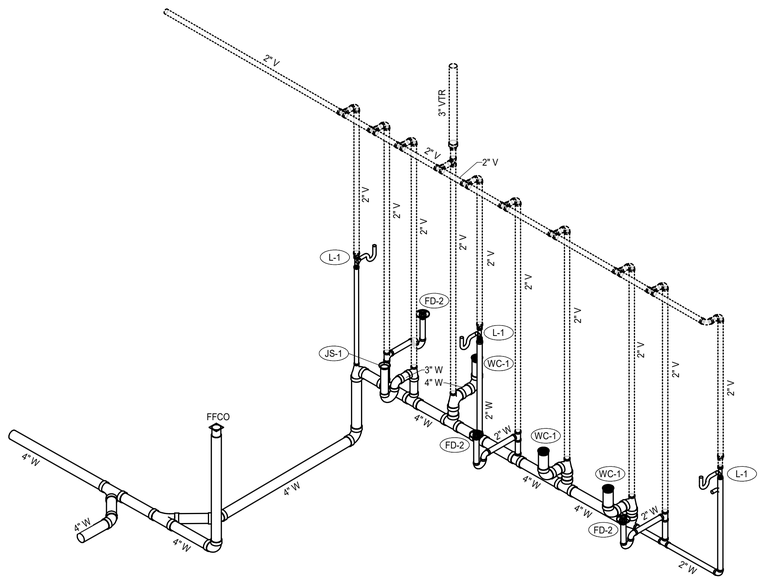
KITCHEN, BREAK, AND STORM SHELTER WASTE & VENT RISER
NOT TO SCALE



SHOWERS 159 WASTE & VENT RISER
NOT TO SCALE



SHOWERS 143 WASTE & VENT RISER
NOT TO SCALE



TOILET 104,106, & 107 WASTE & VENT RISER
NOT TO SCALE

STATE OF MISSOURI
MIKE KEHOE,
GOVERNOR

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DESIGNED BY: JMS

SHEET TITLE:
PLUMBING VENT & WASTE RISERS

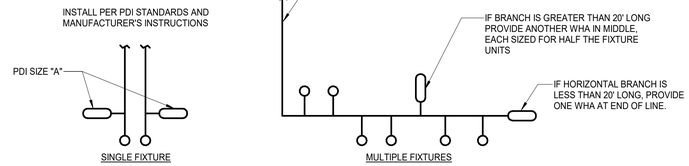
SHEET NUMBER:
P-201

September 30, 2026

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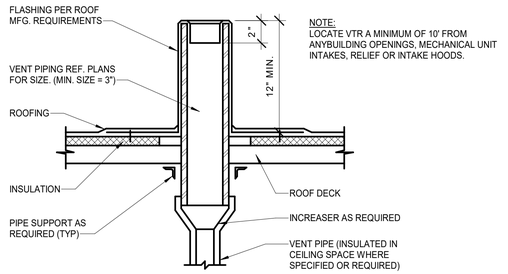


PDI SIZE	PIPE SIZE	FIXTURE UNIT LOAD
AA	1/2"	1-3
A	1/2"	1-11
B	3/4"	12-32
C	1"	33-60
D	1 1/4"	61-113
E	1 1/2"	114-154
F	2"	155-330

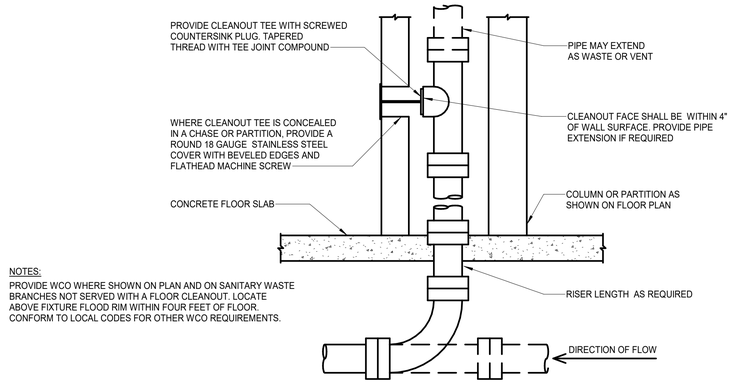
FIXTURE	TYPE OF SUPPLY CONTROL	WEIGHT IN FIXTURE - UNITS					
		PUBLIC			PRIVATE		
		TOTAL	C.W.	H.W.	TOTAL	C.W.	H.W.
WATER CLOSET 1.66 GPF	FLUSH VALVE	8	8	-	5	5	-
WATER CLOSET 1.66 GPF	FLUSH TANK	5	5	-	2.5	2.5	-
STALL OR WALL URINAL	FLUSH VALVE 1.06 GPF	4	4	-	-	-	-
LAVATORY	FAUCET	2	1.5	1.5	1	1	1
BATHTUB	FAUCET	4	2	3	2	1.5	1.5
SHOWER HEAD	MIXING VALVE	4	2	3	2	1	2
BATHROOM GROUP	FLUSH VALVE CLOSET	-	-	-	8	8	3
BATHROOM GROUP	FLUSH TANK CLOSET	-	-	-	6	6	3
SERVICE SINK	FAUCET	3	3	3	-	-	-
LAUNDRY TUBS (1-3)	FAUCET	-	-	-	3	3	3
DISHWASHER	EQUIPMENT CONNECTION	1.4	-	1.4	1.4	-	1.4
WASHER	EQUIPMENT CONNECTION	4	3	3	3	2.25	2.25
ICE MAKER	EQUIPMENT CONNECTION	1	1	-	1	1	-

DO NOT PROVIDE AIR CHAMBERS. PROVIDE WATER HAMMER ARRESTERS BY SIOUX CHIEF, PRECISION PLUMBING PRODUCTS, WATTS OR APPROVED EQUIVALENT WITH PISTON AND O-RING CONSTRUCTION, HAVING PDI #WH-201, ASSE # 1010, AND ANSI # A112.26.1M CERTIFICATION. INSTALL IN HORIZONTAL OR VERTICAL POSITION, BUT NEVER UPSIDE DOWN. INSTALL IN LINE WITH WATER FLOW DIRECTION IF POSSIBLE. SIZE THE UNITS PER THE TABLES SHOWN ABOVE, BUT NOT LESS THAN WATER CONNECTION SIZE.

WATER HAMMER ARRESTER DETAIL
NOT TO SCALE

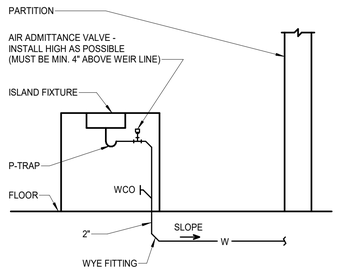


VENT THRU ROOF DETAIL
NOT TO SCALE

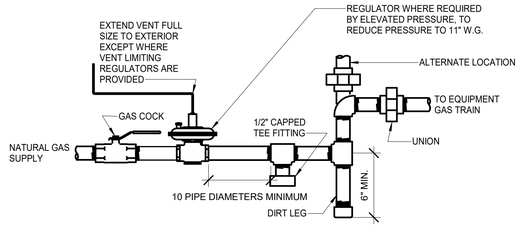


NOTES:
PROVIDE WCO WHERE SHOWN ON PLAN AND ON SANITARY WASTE BRANCHES NOT SERVED WITH A FLOOR CLEANOUT. LOCATE ABOVE FIXTURE FLOOD RIM WITHIN FOUR FEET OF FLOOR. CONFORM TO LOCAL CODES FOR OTHER WCO REQUIREMENTS.

WALL CLEANOUT DETAIL
NOT TO SCALE

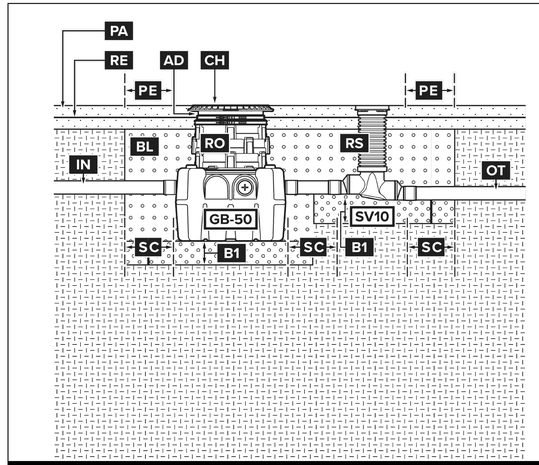


AIR ADMITTANCE VALVE VENTING DETAIL
NOT TO SCALE



GAS EQUIPMENT CONNECTION DETAIL
NOT TO SCALE

Quote: XF812B84



AD Cover adapter with vertical adjustability

B1 6" minimum compacted base - clean, crushed stone approximately 1" in size (AASHTO M43 Size #57 or similar) free of debris and fines.

BL Backfill evenly around the interceptor and risers with clean, crushed stone approximately 1" in size (AASHTO M43 Size #57 or similar) free of debris and fines.

CH Traffic rate cast iron cover

IN 4" diameter inlet pipe

OT 4" diameter outlet pipe

PA Minimum 8" thick concrete pad with rebar required for vehicular traffic. Concrete to be 28 day compressive strength to 4,000 PSI.

PE Pad to extend 18" minimum beyond edge of tank on all sides.

RE No. 4 rebar, grade 60 steel

RO FP24 Fast Pitch® riser(s) to grade

RS FCR10 field cut riser to grade

SC 12" clear all sides

DETAIL Joplin Community Service Center — **Outdoors, Below Grade**

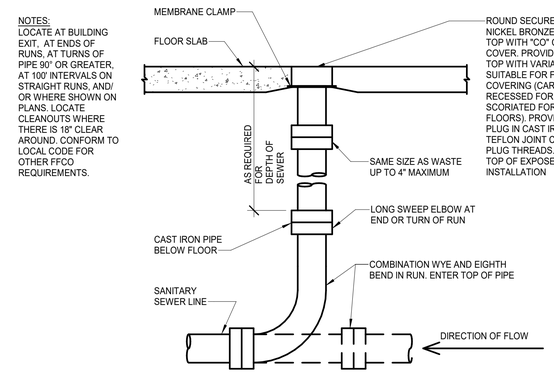
GB-50 GREASE INTERCEPTOR 50 GPM / 75 GPM, 4" PLAIN/FPT CONNECTIONS

SV10 SEWER VIEWER INSPECTION PORT, 4" CONNECTIONS (FIELD MODIFIABLE TO 6"), POLYETHELENE COVER

Disclaimer: this Detail represents manufacturer directed guidance regarding the grease interceptor system. The contents of this document are not a substitute for local jurisdiction requirements and plumbing code standards. Please follow all local ordinances when installing.

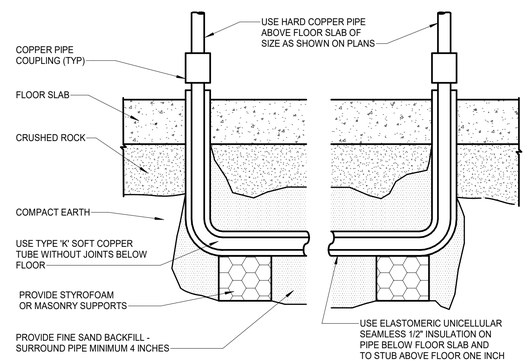
SCHIER
LIFETIME GUARANTEED
GREASE INTERCEPTORS
schierproducts.com

GREASE INTERCEPTOR DETAIL
NOT TO SCALE



FLOOR CLEANOUT DETAIL
NOT TO SCALE

NOTES:
1. IF FLOOR SLAB IS EXISTING, SAW CUT,EXCAVATE, BACKFILL, REPAIR VAPOR BARRIER, PATCH CONCRETE FLOOR. PIPE SHALL HAVE LONG RADIUS TURNS WITHOUT KINKS.THERE SHALL BE NO CONTACT OF COPPER TUBE WITH OTHER PIPE, CONDUIT, OR REINFORCING STEEL.
2. IF HOT AND COLD WATER PIPES ARE INSTALLED IN SAME TRENCH, SEPARATE THEM BY A MINIMUM OF TWELVE INCHES.



WATER PIPE UNDER SLAB DETAIL
NOT TO SCALE

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MIKE KEHOE, GOVERNOR

STATE OF MISSOURI
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DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION

DEPARTMENT OF Corrections

JOPLIN COMMUNITY SUPERVISION CENTER

2303 WEST 20TH STREET
JOPLIN, MO 64801

PROJECT # C2512-01
SITE # 7033
ASSET # 9327033001

Revision

Number	Revision Date	Revision Description
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DESIGNED BY: JMS

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PLUMBING DETAILS

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P-302

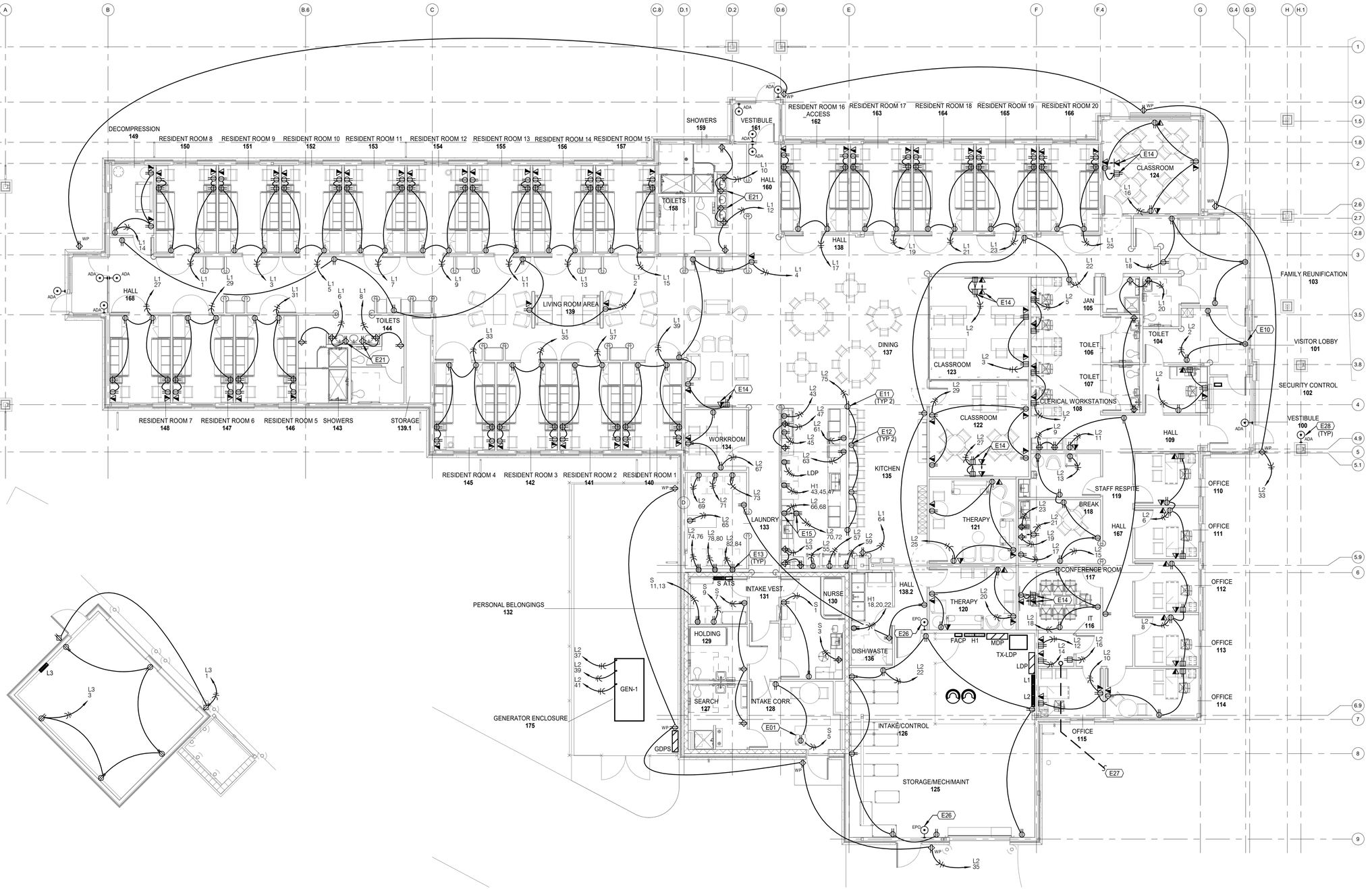
September 30, 2026

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MAINTENANCE SHED - POWER
SCALE: 1/8" = 1'-0"

FIRST FLOOR - POWER
SCALE: 1/8" = 1'-0"

E FLOOR PLAN NOTES

E01	CEILING MOUNTED RECEPTACLE FOR METAL DETECTOR. VERIFY INSTALL REQUIREMENTS WITH ARCHITECT.
E10	COORDINATE EXACT LOCATION OF ROUGH-IN WITH METAL DETECTOR.
E11	INSTALL DEVICE IN END OF ISLAND IN HORIZONTAL ORIENTATION 6" BELOW COUNTER.
E12	INSTALL DEVICE IN HORIZONTAL ORIENATION 6" BELOW COUNTER IN KNEE WALL.
E13	PROVIDE A 30A/208V RECEPTACLE TO MATCH DRYER PLUG TYPE.
E14	COORDINATE ROUGH-IN FOR DISPLAY WITH AV VENDOR.
E15	PROVIDE A 50A/208V RECEPTACLE TO MATCH OVEN PLUG TYPE.
E21	RECEPTACLE FOR HARDWIRED LAVATORY FAUCETS. INSTALL RECEPTACLE HIGH UNDER COUNTERTOP. COORDINATE ELEVATION WITH ARCHITECT.
E26	EMERGENCY POWER OFF SWITCH TO SHUT OFF POWER TO BOTH BOILERS SIMULTANEOUSLY. INTERCONNECT WITH SHUNT TRIP DEVICES IN PANELBOARD.
E27	ROUTE 4" EMPTY CONDUIT WITH PULL TAPE FROM IT ROOM SOUTH TO WEST 20TH STREET. PROVIDE INGRADE QUAZITE BOX INSTALLED FLUSH WITH GRADE FOR EVERY 250' OF CONDUIT LENGTH.
E28	ADA MOTORIZED DOOR BUTTON. COORDINATE EXACT LOCATION AND CONDUIT ROUTING WITH ARCHITECTURAL DRAWINGS.

STATE OF MISSOURI
MIKE KEHOE, GOVERNOR

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FIRST FLOOR - POWER

SHEET NUMBER:
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1

September 30, 2026

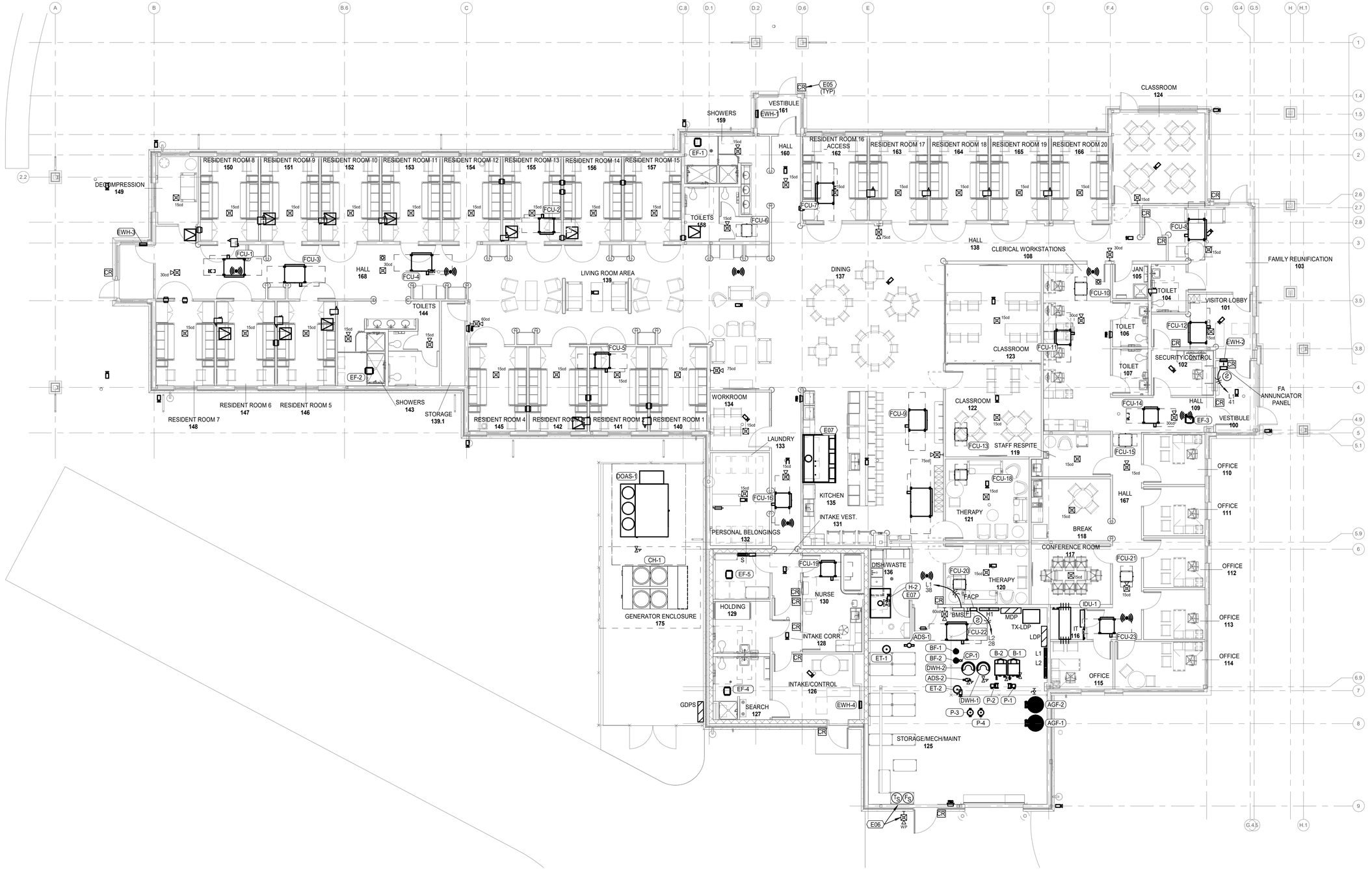
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FIRST FLOOR - SYSTEMS

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

(E) FLOOR PLAN NOTES

E05 COORDINATE ROUGH-IN FOR CARD READER WITH DOOR HARDWARE SCHEDULE.

E06 COORDINATE TAMPER AND FLOW SWITCHES AND ALARM NOTIFICATION DEVICE ABOVE SIAMESE CONNECTION WITH FIRE SPRINKLER CONTRACTOR.

E07 MAKE 120 VOLT POWER CONNECTION TO HOOD. INTERLOCK HOOD CONTROLS WITH MAKE-UP AIR UNIT, EXHAUST EQUIPMENT AND ANSUL SYSTEM. INTEGRATE ANSUL SYSTEM INTO FIRE ALARM SYSTEM.

GENERAL NOTES - SYSTEMS

A. REFERENCE MEP SHEETS, CONNECTION SCHEDULES AND PANEL SCHEDULES FOR POWER REQUIREMENTS FOR ALL MECHANICAL AND PLUMBING EQUIPMENT.

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JOPLIN COMMUNITY SUPERVISION CENTER

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JOPLIN, MO 64801

PROJECT # C2512-01
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ASSET # 9327033001

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FIRST FLOOR - SYSTEMS

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September 30, 2026

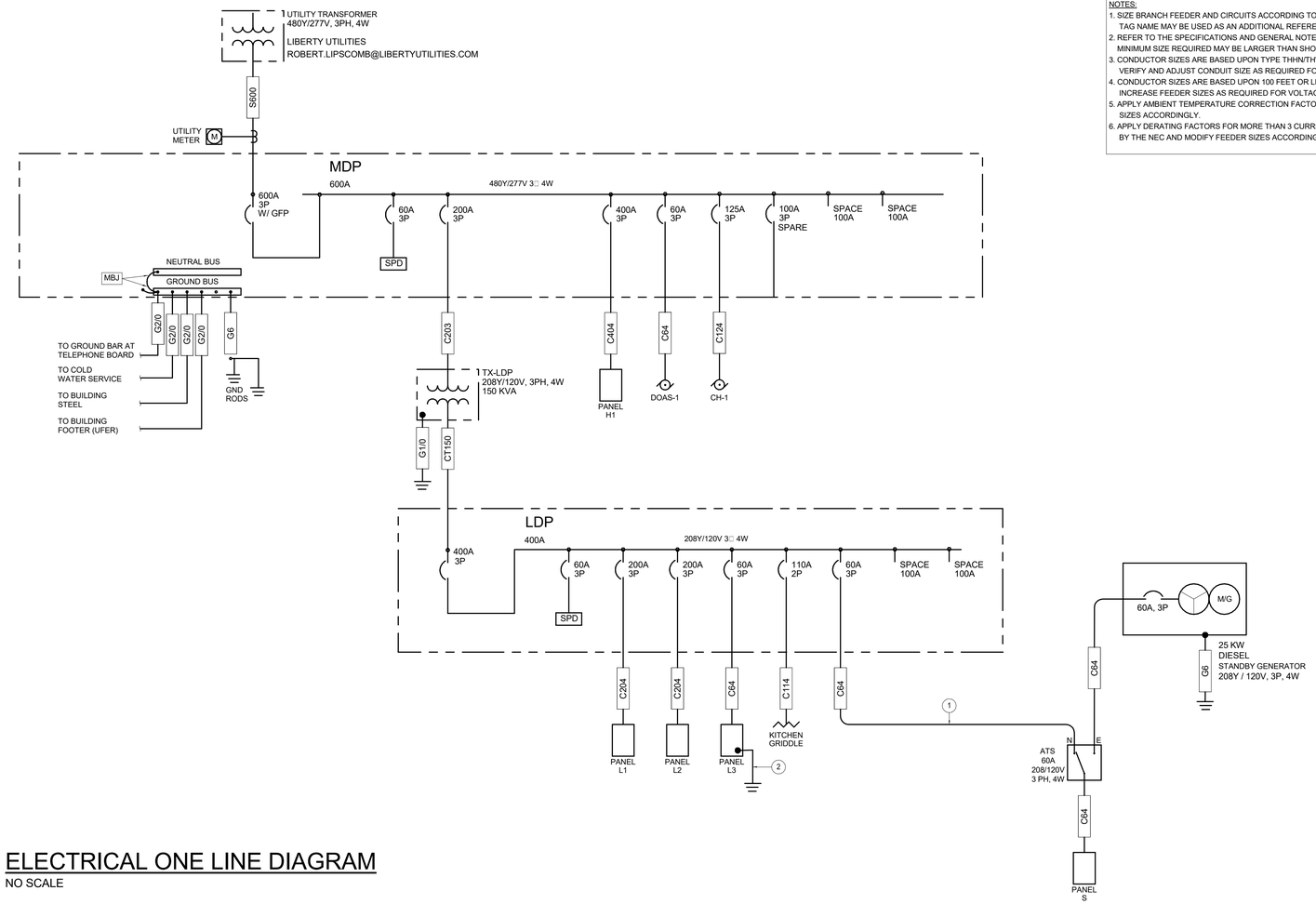
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FEEDER SCHEDULE - COPPER										
	3-WIRE W/ GROUND					4-WIRE W/ GROUND				
CIRCUIT AMPS	TAG NAME	NUMBER SETS	PHASE / NEUTRAL CONDUCTORS	EQUIPMENT GROUND	CONDUIT SIZE	TAG NAME	NUMBER SETS	PHASE / NEUTRAL CONDUCTORS	EQUIPMENT GROUND	CONDUIT SIZE
60	C63	1	3 #4	#10	1"	C64	1	4 #4	#10	1.25"
100	C103	1	3 #1	#6	1.25"	C104	1	4 #1	#6	1.5"
110	C113	1	3 #1	#6	1.25"	C114	1	4 #1	#6	1.5"
125	C123	1	3 #1	#6	1.25"	C124	1	4 #1	#6	1.5"
200	C203	1	3 #3/0	#6	2"	C204	1	4 #3/0	#6	2"
225	C223	1	3 #4/0	#4	2"	C224	1	4 #4/0	#4	2.5"
400	C403	2	3 #3/0	#3	2.5"	C404	2	4 #3/0	#3	2.5"
	TRANSFORMER SECONDARY FEEDERS									
500	CT150	2	4 #250	#1/0	2.5"					
	SERVICE ENTRANCE CONDUCTORS									
600	S600	2	4 #350	-	3"					
	MISC FEEDER DESCRIPTIONS									

NOTES:
1. SIZE BRANCH FEEDER AND CIRCUITS ACCORDING TO THE CIRCUIT BREAKER / FUSE SIZE AND THIS SCHEDULE. TAG NAME MAY BE USED AS AN ADDITIONAL REFERENCE.
2. REFER TO THE SPECIFICATIONS AND GENERAL NOTES FOR MINIMUM CONDUIT SIZE REQUIREMENTS. MINIMUM SIZE REQUIRED MAY BE LARGER THAN SHOWN IN THIS SCHEDULE.
3. CONDUCTOR SIZES ARE BASED UPON TYPE THHN/THWN CONDUCTORS WITH EMT OR SCHEDULE 40 PVC CONDUIT. VERIFY AND ADJUST CONDUIT SIZE AS REQUIRED FOR OTHER TYPES OF CONDUIT.
4. CONDUCTOR SIZES ARE BASED UPON 100 FEET OR LESS IN LENGTH. IF ONE WAY CIRCUIT IS OVER 100 FEET, INCREASE FEEDER SIZES AS REQUIRED FOR VOLTAGE DROP.
5. APPLY AMBIENT TEMPERATURE CORRECTION FACTORS AS REQUIRED BY THE NEC AND MODIFY FEEDER SIZES ACCORDINGLY.
6. APPLY DERATING FACTORS FOR MORE THAN 3 CURRENT CARRYING CONDUCTORS IN A RACEWAY AS REQUIRED BY THE NEC AND MODIFY FEEDER SIZES ACCORDINGLY.



ELECTRICAL ONE LINE DIAGRAM
NO SCALE

ⓧ ONE LINE DIAGRAM PLAN NOTES

1. FEEDER TO BE ROUTED UNDERGROUND.
2. REFER TO 'MAINTENANCE SHED GROUNDING DETAIL' FOR GROUNDING REQUIREMENTS.

STATE OF MISSOURI
MIKE KEHOE, GOVERNOR

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PROJECT # C2512-01
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PANELBOARD MDP

BUS AMPS: 600A | SCCR: PER STUDY | FULLY RATED | TYPE: DISTRIBUTION PANELBOARD
MAIN SIZE / TYPE: MLO | NEMA TYPE: 1 | MANUFACTURER:
VOLTS/PHASE: 480Y/277V, 3PH, 4W | MOUNTING: SURFACE | MFG MODEL:
SECTION: 1 | LOCATION: STOR/MECH 125 | OPTIONS: INTEGRAL SPD, SER

CKT #	CIRCUIT DECRIPTION	CB AMPS	P	LOAD VA	A VA	B VA	C VA	LOAD VA	P	CB AMPS	CIRCUIT DECRIPTION	CKT #
1				24,094	24,094			0				2
3	PANEL 'H1'	OL	3	24,060		24,060		0	3	OL	SPD	4
5				22,731			22,731	0				6
7				48,739	60,475			11,736				8
9	PANEL 'LDP' VIA 'TX-LDP'	OL	3	52,770		64,506		11,736	3	OL	DOAS-1	10
11				41,721			53,457	11,736				12
13				0	26,158			26,158				14
15	SPARE	OL	3	0		26,158		26,158	3	OL	CH-1	16
17				0			26,158	26,158				18
19				0	0			0				20
21	SPACE ONLY	OL	3	0		0		0	3	OL	SPACE ONLY	22
23				0			0	0				24
25				0	0			0				26
27	SPACE ONLY	OL	3	0		0		0	3	OL	SPACE ONLY	28
29				0			0	0				30
	PER PHASE CONNECTED - VA			110,727	114,724	102,346		TOTAL CONNECTED - VA				327,797
	PER PHASE CONNECTED - AMPS			400	414	369		TOTAL CONNECTED - AMPS				394
								TOTAL DEMAND - VA				273,690
								NEC TOTAL DEMAND - AMPS				329

NOTES:
OL = REFER TO ONE-LINE DIAGRAM

*REFER TO THE BRANCH CIRCUIT COPPER CONDUCTOR AND CONDUIT SIZING CHART FOR SIZING BRANCH CIRCUITS OF 100A OR LESS

BRANCH CIRCUIT PANELBOARD H1

BUS AMPS: 250A | SCCR: PER STUDY | FULLY RATED | TYPE: BRANCH CIRCUIT PANELBOARD
MAIN SIZE / TYPE: MLO | NEMA TYPE: 1 | MANUFACTURER:
VOLTS/PHASE: 480Y/277V, 3PH, 4W | MOUNTING: SURFACE | MFG MODEL:
SECTION: 1 | LOCATION: STOR/MECH 125 | OPTIONS: INTEGRAL SPD

CKT #	CIRCUIT DECRIPTION	CB AMPS	P	LOAD VA	A VA	B VA	C VA	LOAD VA	P	CB AMPS	CIRCUIT DECRIPTION	CKT #
1	FCU-1, FCU-3	15	1	2,105	3,857			1,752	1	20	LTG; EXTERIOR POLE LIGHTING	2
3	FCU-2, FCU-5	15	1	2,105		3,105		1,000	1	20	LTG; MONUMENT SIGNAGE	4
5	FCU-4	15	1	1,607			2,607	1,000	1	20	LTG; EAST RESIDENT ROOMS	6
7	FCU-6, FCU-7	15	1	1,496	2,496			1,000	1	20	LTG; WEST RESIDENT ROOMS	8
9	FCU-8	15	1	1,607		2,607		1,000	1	20	LTG; COMMON AREAS	10
11	FCU-9, FCU-16	15	1	2,105			3,105	1,000	1	20	LTG; ADMIN, CLASSROOMS	12
13	FCU-10, FCU-11	15	1	1,496	2,496			1,000	1	20	LTG; EXTERIOR WALL FIXTURES	14
15	FCU-12, FCU-14	15	1	2,105		2,105		0	1	20	SPARE	16
17	FCU-13, FCU-15, FCU-18	15	1	1,330			7,842	6,512				18
19	FCU-19	15	1	1,052	7,564			6,512	3	30	DISHWASHING MACHINE	20
21	FCU-20, FCU-22	15	1	2,050		8,562		6,512				22
23	FCU-21, FCU-23	15	1	1,496			2,437	941				24
25				1,191	2,132			941	3	15	P-3	26
27	FCU-17	15	3	1,191		2,132		941				28
29				1,191			2,132	941				30
31				360	1,301			941	3	15	P-4	32
33	MAU-1	15	3	360		1,301		941				34
35				360			4,360	4,000	1	20	EWH-1	36
37				582	4,582			4,000	1	20	EWH-2	38
39	KEF-1	15	3	582		4,582		4,000	1	20	EWH-3	40
41				582			582	0	1	20	SPARE	42
SECTION: 2												
43				5,666	5,666			0	1	20	SPARE	44
45	ELECTRIC RANGE	25	3	5,666		5,666		0	1	20	SPARE	46
47				5,666			5,666	0	1	20	SPARE	48
49				0	0			0	1	20	SPARE	50
51	SPARE	20	3	0		0		0	1	20	SPARE	52
53				0			0	0	1	20	SPARE	54
55	SPARE	20	1	0	0			0	1	20	SPARE	56
57	SPARE	20	1	0		0		0	1	20	SPARE	58
59	SPARE	20	1	0			0	0	1	20	SPARE	60
61	SPARE	20	1	0	0			0	1	20	SPARE	62
63	SPARE	20	1	0		0		0	1	20	SPARE	64
65	SPARE	20	1	0			0	0	1	20	SPARE	66
67	SPARE	20	1	0	0			0	1	20	SPARE	68
69	SPARE	20	1	0		0		0	1	20	SPARE	70
71	SPARE	20	1	0			0	0	1	20	SPARE	72
73	SPARE	20	1	0	0			0	1	20	SPARE	74
75	SPARE	20	1	0		0		0	1	20	SPARE	76
77	SPARE	20	1	0			0	0	1	20	SPARE	78
79	SPARE	20	1	0	0			0	1	20	SPARE	80
81	SPARE	20	1	0		0		0	1	20	SPARE	82
83	SPARE	20	1	0			0	0	1	20	SPARE	84
	PER PHASE CONNECTED - VA			30,094	30,060	28,731		TOTAL CONNECTED - VA				88,885
	PER PHASE CONNECTED - AMPS			109	109	104		TOTAL CONNECTED - AMPS				107
								TOTAL DEMAND - VA				71,323
								NEC TOTAL DEMAND - AMPS				86

NOTES:

*REFER TO THE BRANCH CIRCUIT COPPER CONDUCTOR AND CONDUIT SIZING CHART FOR SIZING BRANCH CIRCUITS OF 100A OR LESS

BRANCH CIRCUIT PANELBOARD S

BUS AMPS: 100A | SCCR: PER STUDY | FULLY RATED | TYPE: BRANCH CIRCUIT PANELBOARD
MAIN SIZE / TYPE: 50A MCB | NEMA TYPE: 1 | MANUFACTURER:
VOLTS/PHASE: 208Y/120V, 3PH, 4W | MOUNTING: SURFACE | MFG MODEL:
SECTION: 1 | LOCATION: STORM SHELTER | OPTIONS:

CKT #	CIRCUIT DECRIPTION	CB AMPS	P	LOAD VA	A VA	B VA	C VA	LOAD VA	P	CB AMPS	CIRCUIT DECRIPTION	CKT #
1	REC; NURSE	20	1	360	630			270	1	20	LTG; SHELTER LIGHTS	2
3	REC; NURSE COUNTER	20	1	180		400		220	1	15	EF-4	4
5	REC; INTAKE	20	1	360			580	220	1	15	EF-5	6
7	REC; SEARCH, HOLDING, PER BEL.	20	1	540	2,540			2,000	2	25	EWH-4	8
9	REC; WASHER	20	1	1,200		3,200		2,000				10
11	REC; DRYER	30	2	2,375			2,375	0	1	20	SPARE	12
13				2,375	2,375			0	1	20	SPARE	14
15	SPARE	20	1	0		0		0	1	20	SPARE	16
17	SPARE	20	1	0			0	0	1	20	SPARE	18
	PER PHASE CONNECTED - VA			5,545	3,600	2,955		TOTAL CONNECTED - VA				12,100
	PER PHASE CONNECTED - AMPS			46	30	25		TOTAL CONNECTED - AMPS				34
								TOTAL DEMAND - VA				14,355
								NEC TOTAL DEMAND - AMPS				40

NOTES:

*REFER TO THE BRANCH CIRCUIT COPPER CONDUCTOR AND CONDUIT SIZING CHART FOR SIZING BRANCH CIRCUITS OF 100A OR LESS

BRANCH CIRCUIT PANELBOARD L3

BUS AMPS: 100A | SCCR: PER STUDY | FULLY RATED | TYPE: BRANCH CIRCUIT PANELBOARD
MAIN SIZE / TYPE: 60A MCB | NEMA TYPE: 1 | MANUFACTURER:
VOLTS/PHASE: 208Y/120V, 3PH, 4W | MOUNTING: SURFACE | MFG MODEL:
SECTION: 1 | LOCATION: MAINT SHED | OPTIONS:

CKT #	CIRCUIT DECRIPTION	CB AMPS	P	LOAD VA	A VA	B VA	C VA	LOAD VA	P	CB AMPS	CIRCUIT DECRIPTION	CKT #
1	REC; MAINT SHED EXTERIOR RCPTS	20	1	360	1,360			1,000	1	20	LTG; MAINT SHED LIGHTING	2
3	REC; MAINT SHED INTERIOR RCPTS.	20	1	900		900		0	1	20	SPARE	4
5	SPARE	20	1	0			0	0	1	20	SPARE	6
7	SPARE	20	1	0	0			0	1	20	SPARE	8
9	SPARE	20	1	0		0		0	1	20	SPARE	10
11	SPARE	20	1	0			0	0	1	20	SPARE	12
13	SPARE	20	1	0	0			0	1	20	SPARE	14
15	SPARE	20	1	0		0		0	1	20	SPARE	16
17	SPARE	20	1	0			0	0	1	20	SPARE	18
	PER PHASE CONNECTED - VA			1,360	900	0		TOTAL CONNECTED - VA				2,260
	PER PHASE CONNECTED - AMPS			11	8	0		TOTAL CONNECTED - AMPS				6
								TOTAL DEMAND - VA				2,510
								NEC TOTAL DEMAND - AMPS				7

NOTES:

*REFER TO THE BRANCH CIRCUIT COPPER CONDUCTOR AND CONDUIT SIZING CHART FOR SIZING BRANCH CIRCUITS OF 100A OR LESS

DISTRIBUTION PANELBOARD LDP

BUS AMPS: 400A | SCCR: PER STUDY | FULLY RATED | TYPE: DISTRIBUTION PANELBOARD
MAIN SIZE / TYPE: 400A | NEMA TYPE: 1 | MANUFACTURER:
VOLTS/PHASE: 208Y/120V, 3PH, 4W | MOUNTING: SURFACE | MFG MODEL:
SECTION: 1 | LOCATION: STOR/MECH 125 | OPTIONS: INTEGRAL SPD

CKT #	CIRCUIT DECRIPTION	CB AMPS	P	LOAD VA	A VA	B VA	C VA	LOAD VA	P	CB AMPS	CIRCUIT DECRIPTION	CKT #
1				11,760	13,120			1,360				2
3	PANEL 'L1'	OL	3	12,980		13,880		900	3	OL	PANEL 'L3'	4
5				10,470			10,470	0				6
7				21,374	26,919			5,545				8
9	PANEL 'L2'	OL	3	28,126		31,726		3,600	3	OL	ATS (PANEL 'S')	10
11				29,832			32,787	2,955				12
13				0	8,700			8,700	2	OL	KITCHEN GRIDDLE	14
15	SPACE	OL	3	0		8,700		8,700				16
17				0			0	0	1	OL	SPACE ONLY	18
19				0	0			0				20
21	SPACE	OL	3	0		0		0	3	OL	SPACE	22
23				0			0	0				24
	PER PHASE CONNECTED - VA			48,739	54,306	43,257		TOTAL CONNECTED - VA				146,302
	PER PHASE CONNECTED - AMPS			406	453	360		TOTAL CONNECTED - AMPS				406
								TOTAL DEMAND - VA				100,300
								NEC TOTAL DEMAND - AMPS				278

NOTES:
OL = REFER TO ONE-LINE DIAGRAM

*REFER TO THE BRANCH CIRCUIT COPPER CONDUCTOR AND CONDUIT SIZING CHART FOR SIZING BRANCH CIRCUITS OF 100A OR LESS

BRANCH CIRCUIT PANELBOARD L1

BUS AMPS: 225A | SCCR: PER STUDY | FULLY RATED | TYPE: BRANCH CIRCUIT PANELBOARD
MAIN SIZE / TYPE: MLO | NEMA TYPE: 1 | MANUFACTURER:
VOLTS/PHASE: 208Y/120V, 3PH, 4W | MOUNTING: SURFACE | MFG MODEL:
SECTION: 1 | LOCATION: STOR/MECH 125 | OPTIONS:

CKT #	CIRCUIT DECRIPTION	CB AMPS	P	LOAD VA	A VA	B VA	C VA	LOAD VA	P	CB AMPS	CIRCUIT DECRIPTION	CKT #	
1	REC; RESIDENT ROOM 8	20	1	1,080	2,160			1,080	1	20	REC; HALL 168, LVN RM 139	2	
3	REC; RESIDENT ROOM 9	20	1	1,080		2,160		1,080	1	20	REC; DINING 137	4	
5	REC; RESIDENT ROOM 10	20	1	1,080			1,440	360	1	20	REC; TOILETS 144	6	
7	REC; RESIDENT ROOM 11	20	1	1,080	1,440			360	1	20	REC; TOILETS 144	8	
9	REC; RESIDENT ROOM 12	20	1	1,080		1,440		360	1	20	REC; TOILETS 158	10	
11	REC; RESIDENT ROOM 13	20	1	1,080			1,440	360	1	20	REC; TOILETS 158	12	
13	REC; RESIDENT ROOM 14	20	1	1,080	1,620			540	1	20	REC; DECOMPRESSION	14	
15	REC; RESIDENT ROOM 15	20	1	1,080		2,160		1,080	1	20	REC; CLASSROOM 124	16	
17	REC; RESIDENT ROOM 16	20	1	1,080			1,800	720	1	20	REC; FAMILY REUNIFICATION	18	
19	REC; RESIDENT ROOM 17	20	1	1,080	1,800			720	1	20	REC; TOILETS, JAN CLST	20	
21	REC; RESIDENT ROOM 18	20	1	1,080		1,980		900	1	20	REC; DINING 137	22	
23	REC; RESIDENT ROOM 19	20	1	1,080			1,580	500	1	20	FACP	24	FA
25	REC; RESIDENT ROOM 20	20	1	1,080	1,580			500	1	20	FAAP	26	FA
27	REC; RESIDENT ROOM 7	20	1	1,080		1,080		0	1	20	SPARE	28	
29	REC; RESIDENT ROOM 6	20	1	1,080			1,130	50	1	20	CP-1	30	
31	REC; RESIDENT ROOM 5	20	1	1,080	1,580			500	1	20	DWH-1	32	
33	REC; RESIDENT ROOM 4	20	1	1,080		1,580		500	1	20	DWH-2	34	
35	REC; RESIDENT ROOM 3	20	1	1,080			1,580	500	1	20	HOOD CONTROL PANEL	36	
37	REC; RESIDENT ROOM 2	20	1	1,080	1,580			500	1	20	BMS CONTROL PANEL	38	
39	REC; RESIDENT ROOM 1	20	1	1,080		2,580		1,500	1	20	MISC; CHILLER BUFF TNK HEATER	40	
41	SPARE	20	1	0			1,500	1,500	1	20	MISC; CHILLER EVAP HEATER	42	
43	SPARE	20	1	0	0			0	1	20	SPARE	44	
45	SPARE	20	1	0		0		0	1	20	SPARE	46	
47	SPARE	20	1	0			0	0	1	20	SPARE	48	
49	SPARE	20	1	0	0			0	1	20	SPARE	50	
51	SPARE	20	1	0		0		0	1	20	SPARE	52	
53	SPARE	20	1	0			0	0	1	20	SPARE	54	
55	SPARE	20	1	0	0			0	1	20	SPARE	56	
57	SPARE	20	1	0		0		0	1	20	SPARE	58	
59	SPARE	20	1	0			0	0	1	20	SPARE	60	
	PER PHASE CONNECTED - VA			11,760	12,980	10,470		TOTAL CONNECTED - VA				35,210	
	PER PHASE CONNECTED - AMPS			98	108	87		TOTAL CONNECTED - AMPS				98	
								TOTAL DEMAND - VA				26,630	
								NEC TOTAL DEMAND - AMPS				74	

NOTES:

*REFER TO THE BRANCH CIRCUIT COPPER CONDUCTOR AND CONDUIT SIZING CHART FOR SIZING BRANCH CIRCUITS OF 100A OR LESS

BRANCH CIRCUIT PANELBOARD L2

BUS AMPS: 225A | SCCR: PER STUDY | FULLY RATED | TYPE: BRANCH CIRCUIT PANELBOARD
MAIN SIZE / TYPE: MLO | NEMA TYPE: 1 | MANUFACTURER:
VOLTS/PHASE: 208Y/120V, 3PH, 4W | MOUNTING: SURFACE | MFG MODEL:
SECTION: 1 | LOCATION: STOR/MECH 125 | OPTIONS:

CKT #	CIRCUIT DECRIPTION	CB AMPS	P	LOAD VA	A VA	B VA	C VA	LOAD VA	P	CB AMPS	CIRCUIT DECRIPTION	CKT #	
1	REC; CLASSROOM 123	20	1	720	1,580			860	1	20	REC; VISITOR LOBBY	2	
3	REC; CLASSROOM 123	20	1	720		1,260		540	1	20	REC; SECURITY CONTROL	4	
5	REC; WORKSTATIONS	20	1	720			1,800	1,080	1	20	REC; OFFICE 110 111	6	
7	REC; WORKSTATIONS	20	1	720	1,800			1,080	1	20	REC; OFFICE 112 113	8	
9	REC; WORKSTATION COUNTER	20	1	720		1,800		1,080	1	20	REC; OFFICE 114 115	10	
11	MISC; WORKSTATION PRINTER	20	1	1,200			1,560	360	1	20	REC; IT ROOM	12	
13	REF; STAFF RESPITE FRIDGE	20	1	1,000	1,360			360	1	20	REC; IT ROOM	14	
15	REC; STAFF RESPITE / BRK RM	20	1	900		1,080		180	1	20	REC; IT ROOM	16	
GF 17	REF; BREAKROOM FRIDGE	20	1	1,000			2,080	1,080	1	20	REC; CONFERENCE ROOM 117	18	
19	REC; BREAKROOM COUNTER	20	1	180	900			720	1	20	REC; THERAPY	20	
21	MISC; BREAKROOM MICROWAVE	20	1	1,200		2,640		1,440	1	20	REC; STORAGE MAINT.	22	
GF 23	MISC; BREAKROOM COFFEE	20	1	1,200			1,250	50	1	15	H-1 CONTROL PANEL	24	
25	REC; THERAPY	20	1	720	770			50	1	15	H-2 CONTROL PANEL	26	
27	REC; CLASSROOM 122	20	1	720		770		50	1	20	FIRE ALARM CONTROL PANEL	28	FA
29	REC; CLASSROOM 122	20	1	720			720	0	1	20	SPARE	30	
31	REC; ROOFTOP GFI	20	1	360	360			0	1	20	SPARE	32	
33	REC; EXTERIOR RECEPTACLES	20	1	900		2,076		1,176	1	20	P-1	34	
35	REC; EXTERIOR RECEPTACLES	20	1	720			1,896	1,176	1	20	P-2	36	
37	MISC; GENSET BATT CHARGER	20	1	500	764			264	1	15	EF-1	38	
39	MISC; GENSET BATT WARMER	20	1	1,200		1,464		264	1	15	EF-2	40	
41	MISC; GENSET ACCESSORIES	20	1	50			314	264	1	15	EF-3	42	
SECTION: 2													
GF 43	REC; KITCHEN MICROWAVE	20	1	1,200	1,250			50	1	15	DWH-1	44	
GF 45	REC; KITCHEN MICROWAVE	20	1	1,200		1,250		50	1	15	DWH-2	46	
47	REC; COUNTERTOP RCPTS	20	1	360			1,056	696	1	15	CP-1	48	
GF 49	SPARE	20	1	0	50			50	1	15	KEF-1	50	
GF 51	SPARE	20	1	0		1,080		1,080	1	15	AGF-1	52	
53	REC; COUNTERTOP RCPTS	20	1	540			1,620	1,080	1	15	AGF-2	54	
GF 55	REC; KITCHEN FRIDGE	20	1	1,000	1,050			50	1	15	B-1	56	ST
GF 57	REC; KITCHEN FRIDGE	20	1	1,000		1,000		0	-	-	SHUNT TRIP SPACE	58	
GF 59	REC; KITCHEN FRIDGE	20	1	1,000			1,050	50	1	15	B-2	60	ST
GF 61	REC; KITCHEN DISHWASHER	20	1	1,000	1,000			0	-	-	SHUNT TRIP SPACE	62	
GF 63	REC; KITCHEN DISHWASHER	20	1	1,000		1,500		500	1	20	REC; BOTTLE FILLER	64	
65	REC; IRON	20	1	1,000			5,000	4,000	2	50	KITCHEN OVEN	66	
67	REC; WORKROOM 134	20	1	540	4,540			4,000				68	
69	REC; LAUNDRY 133 WASHER	20	1	1,200		5,200		4,000	2	50	KITCHEN OVEN	70	
71	REC; LAUNDRY 133 WASHER	20	1	1,200			5,200	4,000				72	
73	REC; LAUNDRY 133 WASHER	20	1	1,200	3,575			2,375	2	30	REC; LAUNDRY 133 DRYER	74	
75	REC; KITCHEN ISLAND	20	1	720		3,095		2,375				76	
77	KITCHEN GRIDDLE	20	2	0			2,375	2,375	2	30	REC; LAUNDRY 133 DRYER	78	
79				0	2,375			2,375				80	
81	IDU / ODU-1	20	2	1,536		3,911		2,375	2	30	REC; LAUNDRY 133 DRYER	82	
83				1,536			3,911	2,375				84	
	PER PHASE CONNECTED - VA			21,374	28,126	29,832		TOTAL CONNECTED - VA				79,332	
	PER PHASE CONNECTED - AMPS			178	234	249		TOTAL CONNECTED - AMPS				220	
								TOTAL DEMAND - VA				49,427	
								NEC TOTAL DEMAND - AMPS				137	

NOTES:

*REFER TO THE BRANCH CIRCUIT COPPER CONDUCTOR AND CONDUIT SIZING CHART FOR SIZING BRANCH CIRCUITS OF 100A OR LESS

PANELBOARD SCHEDULE ABBREVIATIONS

200N	200 PERCENT NEUTRAL
AFI	COMBINATION ARC FAULT CIRCUIT INTERRUPTER
APM	ADVANCED POWER METER
CB	CIRCUIT BREAKER
C#	CONTROL CIRCUIT WITH CONTACTOR #
CKT	CIRCUIT
DF	DUAL FUNCTION GFCI AND AFI
E	EXISTING CIRCUIT BREAKER
EM	EMERGENCY CIRCUIT - RED HANDLE LOCK ON
ER	ENERGY REDUCTION MAINTENANCE SETTING SWITCH
ET	ENERGY TRIP CIRCUIT BREAKER
FA	FIRE ALARM CIRCUIT - RED HANDLE LOCK ON
FTL	FEED THROUGH LUGS
GF	GROUND FAULT CIRCUIT INTERRUPTER (4-6mA)
GFP	GROUND FAULT PROTECTION
GFPE	GROUND FAULT PROTECTION OF EQUIPMENT (30mA)
HL	HANDLE LOCK ON / OFF
HT	HANDLE TIE
IG	ISOLATED GROUND
KK	KIRK KEY OPERATION
MCB	MAIN CIRCUIT BREAKER
MLO	MAIN LUG ONLY
N	NEW CIRCUIT BREAKER
NE	NEW LOAD CONNECTED TO EXISTING CIRCUIT BREAKER
P	POLES
PFR	PHASE FAILURE RELAY
PH	PHASE
PM	POWER METER
PQM	POWER QUALITY METER
RE:	REFERENCE
RPM	CONTROL CIRCUIT WITH RELAY PANEL #
SC	SELECTIVE COORDINATION REQUIRED
SCCR	SHORT CIRCUIT CURRENT RATING
SER	SERVICE ENTRANCE RATED
SFB	SUB-FEED BREAKER
SB	SPARE BREAKER AFTER DEMOLITION
SPD	SURGE PROTECTIVE DEVICE
ST	SHUNT TRIP
SV	SEPARATE VERTICAL SECTION
TM	THERMAL MANAGEMENT
UV	UNDER VOLTAGE TRIP
VA	VOLT-AMPS
W	WIRE
W/	WITH

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GOVERNOR

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GREGORY J. FENDLER
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DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION

DEPARTMENT OF Corrections

JOPLIN COMMUNITY SUPERVISION CENTER

2303 WEST 20TH STREET
JOPLIN, MO 64801

PROJECT # C2512-01
SITE # 7033
ASSET # 9327033001

Revision

Number	Revision Date	Revision Description
1	10/12/2026	Addendum 1

ISSUE DATE: September 30, 2026

CAD DWG FILE:
DRAWN BY: MDA
CHECKED BY: GJF
DESIGNED BY: MDA

SHEET TITLE:
ELECTRICAL SCHEDULES

SHEET NUMBER:
E-701

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September 30, 2026

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LIGHT FIXTURE SCHEDULE

TYPE	MANUFACTURER	LIGHT SOURCE NOMINAL LUMENS CCT CRI	WATTS VOLTS	DIMMING PROTOCOL	VA	MOUNTING	DESCRIPTION	SPECIFIC NOTES
A	FAIL SAFE FLD4CX-15-D010-FEU4C-1020-90-30--F4LCXV-M-2-MW EQUAL: LIFESHIELD LTR , WILLIAMS V4DR , NEWSTAR HIGH ABUSE	INTEGRAL LED 1500 LUMENS 3000 K 80 CRI	16.6 UNV	1% 0-10V	18	RECESSED CEILING	LED VANDAL RESISTANT 4" DOWNLIGHT. TORX T10 SCREWS FOR VANDAL AND TAMPER RESISTANT INSTALLATION. NON-REMOVABLE UPPER LENS. WHITE FLANGE AND REFLECTOR FINISH.	
B1	PORTFOLIO LDA6A-15-90-35-D010-[EMBOD]-LAR35FL-6LAL1-H EQUAL: PRESCOLITE LFR, WILLIAMS 6AR, GOTHAM IVO	INTEGRAL LED 1500 LUMENS 3500 K 90 CRI	21 UNV	1% 0-10V	23	RECESSED CEILING	LED ADJUSTABLE 6" DOWNLIGHT. SPUN ALUMINUM HOUSING AND LENS TO PROVIDE WET LOCATION LISTING. 362 DEGREE ROTATION WITH 45 DEGREE ELEVATION ADJUSTMENT.	
C1 C1E	METALUX 4SNX-SL3-SLW-UNV-CC83-CD-1-[EL10W]-PAF EQUAL: COLUMBIA MPS , WILLIAMS FS, LITHONIA CSS	INTEGRAL LED 3959 LUMENS 3500 K 80 CRI	33.5 UNV	10% 0-10V	37	SUSPENDED CEILING	LED LINEAR STRIP LIGHT WITH SQUARE DIFFUSER. SELECTABLE CCT AND LUMEN OUTPUT.	
C2 C2E	METALUX 8TSNX-SL3-SLW-UNV-CC83-CD-1-[EL10W]-PAF EQUAL: COLUMBIA MPS , WILLIAMS FS, LITHONIA CSS	INTEGRAL LED 7724 LUMENS 3500 K 80 CRI	66.9 UNV	10% 0-10V	74	SUSPENDED CEILING	SIMILAR TO 'C1' BUT IN 8' LENGTH	
D1 D1E	HALO COMMERCIAL HCC6S-30-D010-XX-HM6C-3040-835-61-MD-H EQUAL: PRESCOLITE LTC , HELIOS 6" ROUND , GOTHAM IVO	INTEGRAL LED 3000 LUMENS 3500 K 80 CRI	28.6 UNV	1% 0-10V	32	SURFACE CEILING	6" LED SURFACE MOUNTED CYLINDER WITH SPUN ALUMINUM HOUSING. SELF FLANGED ALUMINUM REFLECTOR WITH INTEGRAL LENS.	
D2	HALO COMMERCIAL HCC6S-15-D010-XX-HM6C-0525-835-61-MD-H EQUAL: PRESCOLITE LTC , HELIOS 6" ROUND	INTEGRAL LED 1500 LUMENS 3500 K 80 CRI	14.5 UNV	1% 0-10V	16	SURFACE CEILING	SIMILAR TO 'D1' BUT LOWER LUMEN OUTPUT	
D3	HALO COMMERCIAL HCC6S-20-D010-XX-HM6C-0525-835-61-MD-H EQUAL: PRESCOLITE LTC , HELIOS 6" ROUND	INTEGRAL LED 2000 LUMENS 3500 K 80 CRI	14.5 UNV	1% 0-10V	16	SUSPENDED CEILING	SIMILAR TO 'D1' BUT LOWER LUMEN OUTPUT AND SUSPENED FROM STRUCTURE.	3
EX1	LUMARK CYL-2D-30W-PC-XX EQUAL: ILP UNIFY , LITHONIA WMCL4/6 , G LIGHTING CYLINDER	INTEGRAL LED 1631 LUMENS 4000 K 80 CRI	15 UNV	10% 0-10V	17	WALL	EXTERIOR LED WALL SCONCE WITH OPTIONAL UP/DOWN OPTICS. DIE CAST ALUMINUM HOUSING WITH LENS AND GLASS COVER.	
EX2	MCGRAW EDISON GKO-PB-2-C-740-U-T4W-XX-PBHSS EQUAL: ILP VIEWPOINT , GARDCO GEOFORM , LITHONIA WDGE2	INTEGRAL LED 8724 LUMENS 4000 K 70 CRI	57 UNV	10% 0-10V	63	WALL	EXTERIOR LED WALL PACK WITH TYPE 4 WIDE DISTRIBUTION. DIE CAST ALUMINUM HOUSING. HOUSE SIDE SHIELD TO PREVENT GLARE BACK INTO RESIDENT ROOMS.	
G1	NULITE PF2-D-FCL-3-09-L-35-UNV-D-1-1-WH-XX EQUAL: LITECONTROL 2L , LUX LUMINAIRE EOS 2.0 , ALW LIGHTPLANE+ 2R	INTEGRAL LED 900 LUMENS PER FOOT 3500 K 80 CRI	8.2 / FT UNV	1% 0-10V	9 / FT	CEILING PERIMETER	LED PERIMETER COVE LIGHT WITH EXTRUDED ALUMINUM FLANGE AND COLD ROLLED STEEL CHANNEL. THREE INCH RECESS. WHITE FINISH.	
G2	NULITE RZ4-07-L-35-UNV-D-1-1-N-F-XX EQUAL: LITECONTROL 4L , LEDALITE TRUGROOVE , ALW LIGHTPLANE+ 4R	INTEGRAL LED 700 LUMENS PER FOOT 3500 K 80 CRI	7.6 / FT UNV	1% 0-10V	8 / FT	CEILING PERIMETER	LED NARROW OPTIC PERIMETER WALL GRAZER. FLANGED WALL BACK BOX WITH OPTION TO SHIP BOX SEPARATE OF FIXTURE. COLD ROLLED STEEL PAINTED AFTER FABRICATION	
L#	NULITE RP24-B-ST-F-MW-XX-XX-L-35-UNV-D-1-1-WH-SR-W-048-XX EQUAL: LITECONTROL 2L , LEDALITE TRUGROOVE , ALW LIGHTPLANE+ 2	INTEGRAL LED #### LUMENS 3500 K 80 CRI		1% 0-10V	0	SUSPENDED STRUCTURE	LED 2" LINEAR LIGHT WITH DIRECT AND INDIRECT DISTRIBUTION.	
M	NULITE RF1-D-FF-03-L-35-UNV-D-1-1-XX-XX EQUAL: LITECONTROL 2L , LUX LUMINAIRE EOS 2.0 , ALW LIHTPLANE+ 1R	INTEGRAL LED 300 LUMENS PER FOOT 3500 K 80 CRI	2.2 / FT UNV	1% 0-10V	2.4 / FT	RECESSED	LED 1" RECESSED LINEAR LIGHT. ONE PIECE EXTRUDED ALUMINUM HOUSING	1
SL1	LUMARK PRV-CC40-D-UNV-T2-BZ EQUAL: BEACON VIPER , MIRADA MEDIUM , LITHONIA D-SERIES	INTEGRAL LED 17,172 LUMENS 4000 K 70 CRI	131 UNV	10% 0-10V	146	SITE POLE	EXTERIOR SITE LIGHTING WITH TYPE 2 DISTRIBUTION. SINGLE PIECE DIE-CAST ALUMINUM HOUSING WITH TETHERED DOOR.	
SL2	LUMARK PRV-CC40-D-UNV-T3-BZ EQUAL: BEACON VIPER , MIRADA MEDIUM , LITHONIA D-SERIES	INTEGRAL LED 17,144 LUMENS 4000 K 70 CRI	131 UNV	10% 0-10V	146	SITE POLE	SIMILAR TO 'SL1' BUT WITH TYPE 3 DISTIBUTION	
SL3	LUMARK PRV-CC40-D-UNV-T4-BZ EQUAL: BEACON VIPER , MIRADA MEDIUM , LITHONIA D-SERIES	INTEGRAL LED 17,087 LUMENS 4000 K 70 CRI	131 UNV	10% 0-10V	146	SITE POLE	SIMILAR TO 'SL1' BUT WITH TYPE 4 DISTIBUTION	
SL4	POLELED EXTENDED FLAGPOLE LIGHT	INTEGRAL LED 17,087 LUMENS 4000 K 70 CRI	3250 UNV	10% 0-10V	3611	FLAG POLE	FLAG POLE MOUNTED UPLIGHT FOR FLAG ILLUMINATION.	2
X1	MULE U-MD-U-BAB EQUAL: DUAL LITE SE , CHLORIDE 55 SERIES , EVENLITE SENTRY SEN	INTEGRAL LED	1.2 UNV	- -	1.3	RE: PLANS	LED UNIVERSAL EXIT SIGN WITH RED/GREEN SWITCH, UNIVERSAL MOUNTING. BRUSHED ALUMINUM HOUSING WITH BLACK AND BRUSHED FINISH.	
X2	MULE U-MD-U-BAB EQUAL: DUAL LITE SE , CHLORIDE 55 SERIES , EVENLITE SENTRY SEN	INTEGRAL LED	1.2 UNV	- -	1.3	RE: PLANS	SIMILAR TO 'X1' BUT USED IN DUAL FACE APPLICATION.	

SPECIFIC NOTES:
1 COORDINATE LENGTH OF FIXTURE WITH ARCHITECTURAL PLANS.
2 REFER TO LANDSCAPE DRAWINGS FOR ADDITIONAL INFORMATION REGARDING FLAG POLE SPECIFICATIONS.
3 REFER TO ARCHITECTURAL DRAWINGS FOR SUSPENSION LENGTH.

GENERAL NOTE:
G1. THE MANUFACTURER IN THE COLUMN LISTED FIRST IS THE BASIS OF DESIGN. SUBSEQUENT MANUFACTURER'S/MODEL SERIES LISTED ARE CONSIDERED APPROVED EQUIVALENT, SUBJECT TO COMPLIANCE WITH THE SPECIFIED REQUIREMENTS.
G2. REFER TO THE SUBSTITUION NOTES BELOW FOR THE PROCESS TO BECOME AN APPROVED EQUIVALENT.
G3. VERIFY CEILING TYPE PRIOR TO ORDERING LIGHT FIXTURES, AND PROVIDE TRIM KITS, ADAPTER KITS, MOUNTING HARDWARE, ETC AS REQUIRED FOR THE TYPE OF CEILING APPLICATION.
G4. COORDINATE DIMMING DRIVERS WITH DIMMING SWITCHES/SYSTEMS AND PROVIDE REQUIRED CONTROL WIRING.
G5. PROVIDE UNSWITCHED HOT CONDUCTOR TO LIGHT FIXTURES AND EXIT SIGNS WITH EMERGENCY BATTERY BACK UP POWER.
G6. CONFIRM FINAL LIGHT FIXTURE FINISHES WITH THE ARCHITECT PRIOR TO ORDERING.

SUBSTITUTION NOTES:
THE LIGHTING DESIGN FOR THIS PROJECT IS BASED UPON THE MANUFACTURER SPECIFIED. IF A PROPOSED SUBSTITUTION IS DESIRED BY THE CONTRACTOR, A SUBSTITUTION REQUEST SUBMITTAL MUST BE PROVIDED AS FOLLOWS:
S1. SUBSTITUTION REQUEST FOR PROPOSED EQUIVALENTS MUST BE RECEIVED BY THE ENGINEER IN WRITING AT LEAST 10 DAYS PRIOR TO BID. FAILURE TO SUBMIT CONSTITUTES A GUARANTEE TO SUPPLY THE SPECIFIED LIGHT FIXTURE OR LISTED EQUIVALENT.
S2. INFORMATION IS TO BE SUPPLIED COMPARING PHOTOMETRY, (WITH FLOOR PLANS INDICATING POINT BY POINT CALCULATIONS) DIMENSIONS, MATERIAL COMPOSITION, FINISH, VISUAL APPEARANCE AS WELL AS THE "CONTRACTOR NET" PRICING.
S3. LUMENS INDICATED ARE NOMINAL BASED ON THE BASIS OF DESIGN LIGHT FIXTURE. IT IS THE RESPONSIBILITY OF THE LIGHTING REPRESENTATIVE TO REVIEW THE DELVIERED LUMENS OF THE BASIS OF DESIGN AND TO MEET OR EXCEED THAT VALUE.
S4. SAMPLES ARE TO BE PROVIDED UPON REQUEST.
S5. IF THE ENGINEER DEEMS THE PROPOSED SUBSTITION ACCEPTABLE, IT WILL BE INCLUDED IN THE BID DOCUMENT OR AN ADDENDUM WILL BE ISSUED THAT INCLUDES THE LIGHT FIXTURE IN THE SCHEDULE AS AN APPROVED EQUIVALENT.
IF THE PROPOSED SUBSTITUTION IS NOT DEEMED ACCEPTABLE, IT WILL NOT BE INLCUDED IN THE ADDENDUM, THEREFORE IT IS NOT ACCEPTABLE TO INCLUDE IN THE BID.
S7. PACKAGING OF LIGHT FIXTURES WILL NOT BE CONSIDERED OR APPROVED.
S8. MANUFACTURER'S REPRESENTATIVE AGENTS SHALL BE ALLOWED TO OFFER MINI-LOT PRICING FOR SPECIFIED LIGHTING FIXTURES.
S9. LIGHTING CONTROLS PRICING SHALL BE COMPLETELY SEPARATE OF ANY LIGHT FIXTURE PRICING. ANY LIGHTING CONTROLS PRICING THAT IS SUBMITTED WITH LIGHT FIXTURE PRICING (UNIT OR MINI-LOT) WILL BE IMMEDIATELY REJECTED IN ITS ENTIRETY.

POST BID ALTERNATES:
P1. GREAT CARE, TIME AND EXPENSE HAVE BEEN USED TO PROVIDE OUR CLIENT WITH THE LIGHTING AND CONTROLS SYSTEM. THEREFORE, FOR EACH AND EVERY TYPE OF LIGHT FIXTURE OR CONTROL SYSTEM OFFERED AS AN UNSOLICITED ALTERNATE, A $500.00 FEE WILL BE CHARGED TO THE CONTRACTOR FOR REVIEW OF THE PROPOSED ALTERNATE. THIS CHARGE IS IN NO WAY A GUARANTEE OF APPROVAL, BUT IS SOLELY TO COMPENSATE THE ENGINEER FOR TIME SPENT VALIDATING EQUALITY AND COMPATIBILITY WITH THE PROJECT REQUIREMENTS. THIS REIMBURSEMENT FEE MUST BE RECEIVED BY THE ENGINEER PRIOR TO ANY REVIEW COMMENCING.
P2. SAMPLES ARE TO BE PROVIDED UPON REQUEST.

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STATE OF MISSOURI
MIKE KEHOE,
GOVERNOR

STATE OF MISSOURI
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10.12.2026

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DEPARTMENT OF Corrections

JOPLIN COMMUNITY SUPERVISION CENTER

2303 WEST 20TH STREET
JOPLIN, MO 64801

PROJECT # C2512-01
SITE # 7033
ASSET # 9327033001

Revision

Number	Revision Date	Revision Description
1	10/12/2026	Addendum 1

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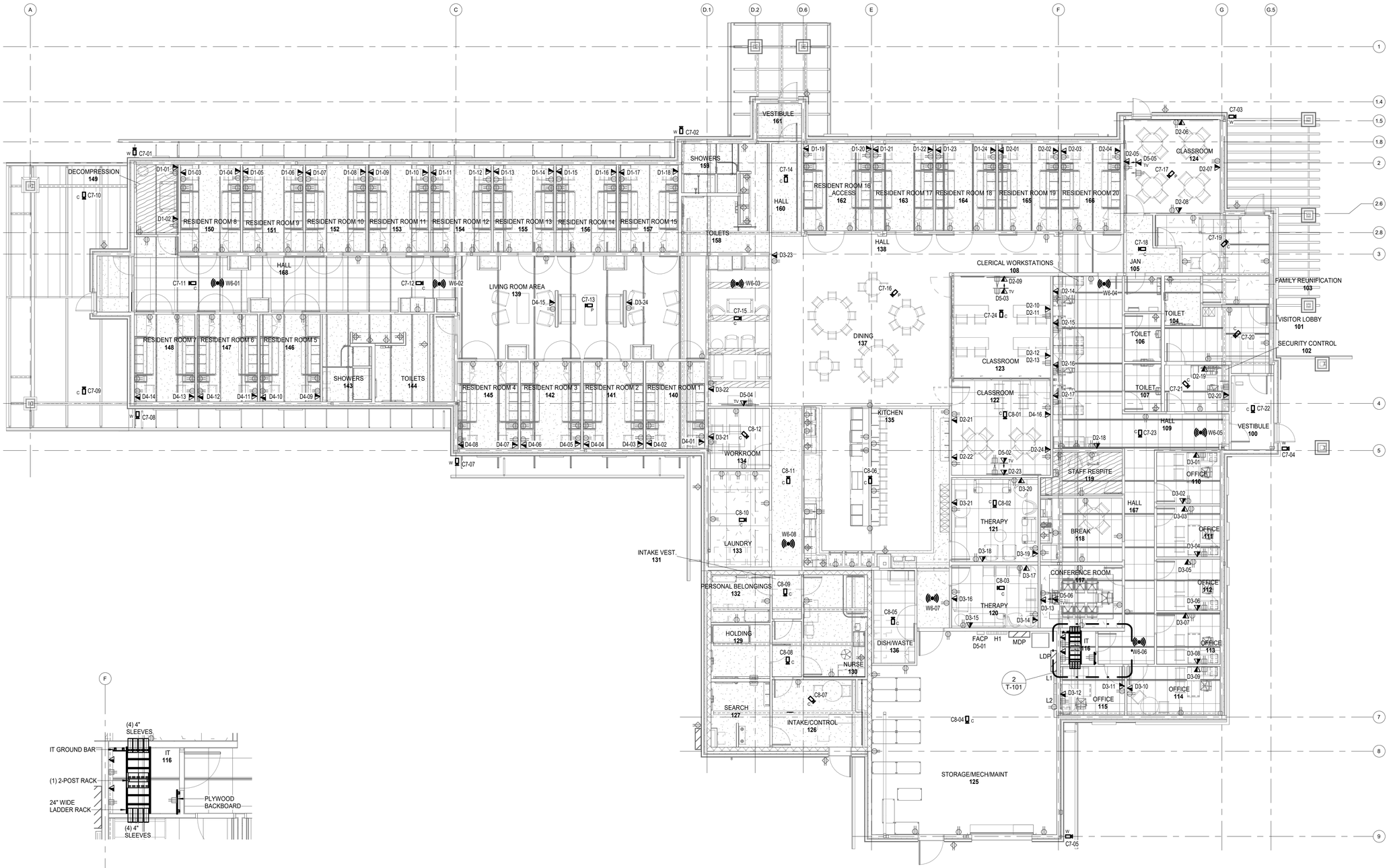
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ENLARGED IT CLOSET TECHNOLOGY

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

FIRST FLOOR - TECHNOLOGY

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

STATE OF MISSOURI
MIKE KEHOE, GOVERNOR

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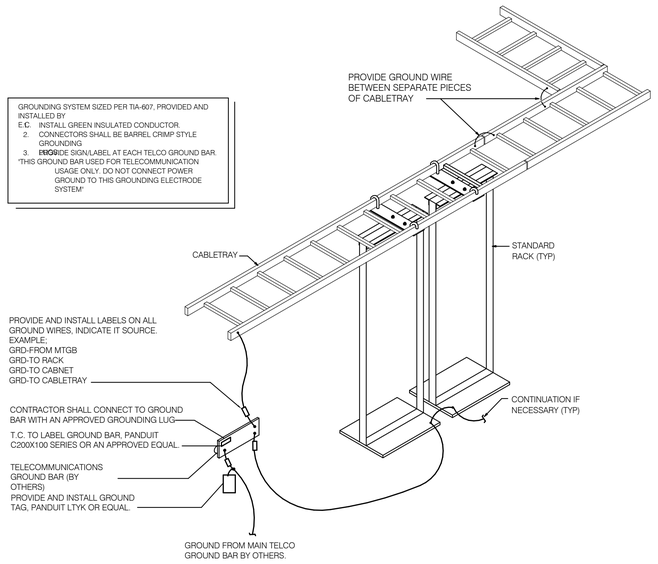
SHEET NUMBER:
T-101

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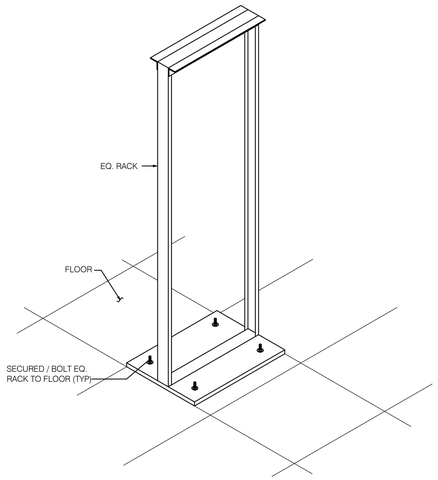
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NOTE: CONTRACTOR SHALL ATTACH GROUND WIRE TO EQUIPMENT PER MANUFACTURERS RECOMMENDATIONS

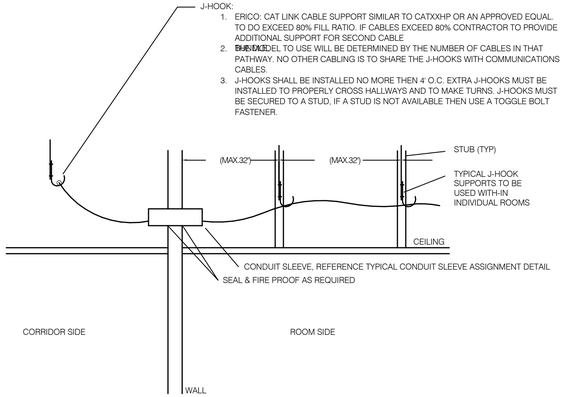
TYPICAL EQUIPMENT GROUNDING DETAIL

NO SCALE



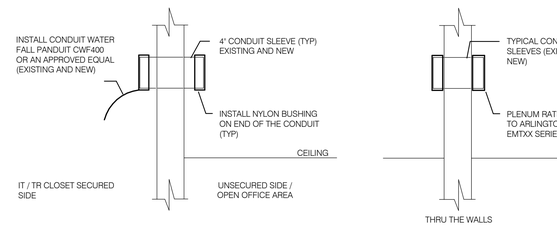
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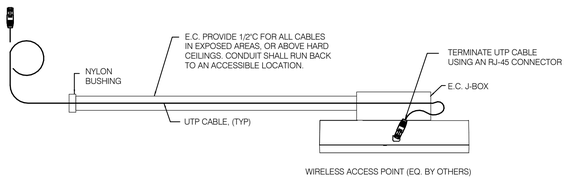
TYPICAL THRU WALL CONDUIT SLEEVE

NO SCALE



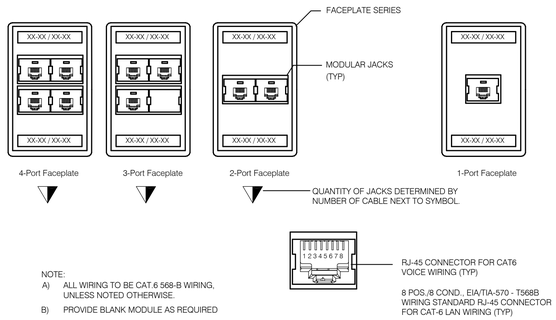
TYPICAL CONDUIT SLEEVE ASSIGNMENT

NO SCALE



TYPICAL WIRELESS EQ. CONNECTION DETAIL

NO SCALE



TELECOMMUNICATIONS OUTLET DETAIL

NO SCALE

STATE OF MISSOURI
MIKE KEHOE, GOVERNOR

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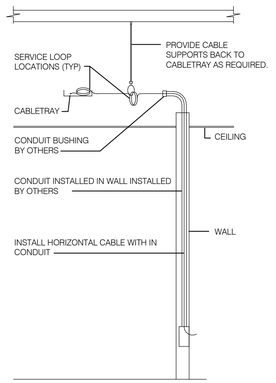
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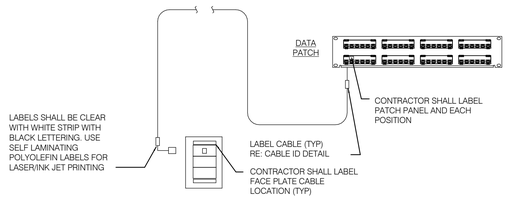
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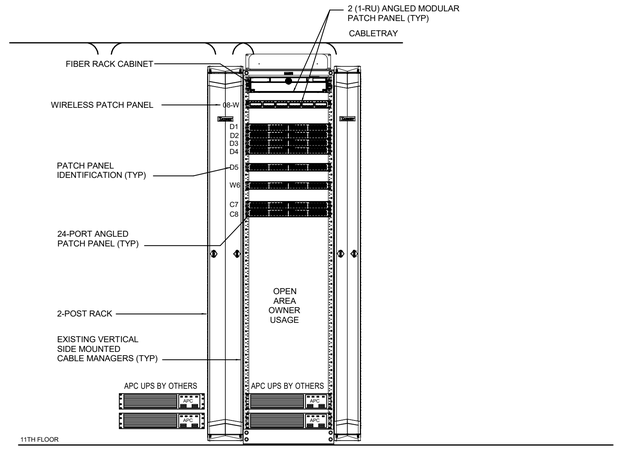
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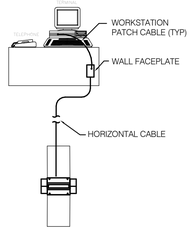


TYPICAL CABLE LABEL LOCATION DETAIL
NO SCALE



IT 116 RACK ELEVATION
NOT TO SCALE

WORKSTATION



HORIZONTAL CABLE CABLE TOPOLOGY DIAGRAM
NO SCALE

GENERAL NOTES (TYPICAL ALL SHEETS)

A. CONDUIT ROUTING IS SHOWN FOR REFERENCE ONLY AND MAY NOT SHOW EXACT ROUTING TAKEN. CONTRACTOR SHALL COORDINATE WITH ELECTRICAL CONTRACTOR FOR ALL CONDUIT INSTALLED FOR TELECOMMUNICATIONS USAGE UNLESS OTHERWISE NOTED.

B. ALL LOCATION ARE ROUGHED IN BY OTHERS. TECHNOLOGY CONTRACTOR SHALL PROVIDE AND INSTALL ALL FACE PLATES, MODULAR JACKS, CABLES, CABLE SUPPORTS, LABELS FOR CABLES AND ANY OTHER ITEMS NOTED ON DRAWINGS THAT IS NOT BEING PROVIDED BY OR INSTALLED BY OTHERS.

C. PROVIDE FIRE STOP ON ALL PIPING AT WALL AND FLOOR PENETRATIONS PER LOCAL CODE REQUIREMENTS. METHOD OF FIRE STOP SHALL MEET WALL/FLOOR RATING. RE: ARCHITECTURAL DRAWINGS FOR LOCATION OF FIRE RATED WALLS.

D. PROVIDE BONDING JUMPERS BETWEEN ALL CABINET/RACK AND SECTIONS OF CABLE TRAY UNLESS SYSTEM IS UL LISTED AND APPROVED AS A COMPLETE GROUNDED SYSTEM.

E. CONTRACTOR TO FIELD VERIFY ALL MEASUREMENTS PRIOR TO INSTALLATION.

F. PROVIDE LABELING FOR ALL GROUND WIRE AT EVERY TERMINATION POINT AND LABEL GROUND BAR.

G. CABLES SHALL BE BUNDLED WITH LIKE COLOR AND SHALL BE SECURED AND TIED IN A NEAT AND ORDERLY MANNER.

H. CONTRACTOR SHALL REFERENCE ARCHITECTURAL DRAWINGS FOR WALLS THAT ARE CONSTRUCTED FROM FLOOR TO STRUCTURE. CONTRACTOR SHALL MINIMIZE HOLE PENETRATION AND CONSOLIDATE CABLES INTO ONE PENETRATION. AFTER INSTALLATION CONTRACTOR SHALL SEAL HOLE AIR TIGHT.

I. LEAD ON-SITE PROJECT LOW VOLTAGE CONTRACTOR SHALL HAVE A CURRENT BISCI MEMBER AND BE RCDD CERTIFIED.

J. ALL LOW VOLTAGE CONTRACTORS WORKING ON SITE SHALL BE MANUFACTURER CERTIFIED BY THE ONE OF THE APPROVED MANUFACTURERS LISTED IN THE SPECIFICATION AND IN GOOD STANDING FOR A MINIMUM OF 2 YEARS.

K. CONTRACTOR SHALL PROVIDE HIS/HER OWN SUPPORTING OF CABLING FROM STRUCTURE ABOVE, I.E. TEMPERATURE CONTROL WIRING, SECURITY CONTROL WIRING, FIRE ALARM CONTROL WIRING, OR ANY OTHER WIRING CONTAINING VOLTAGE. CONTRACTOR SHALL NOT RUN PARALLEL WITH OR BE SUPPORTED BY ANY UTP, COAX OR VIDEO CABLING (CABLES INDICATED ON AV OR TECHNOLOGY DRAWINGS). IF CABLES ARE FOUND TO BE SUPPORTED WITH THESE CABLES, CONTRACTOR SHALL REMOVE CABLES, REROUTE AND RE-SUPPORT AT THEIR OWN EXPENSE. IF CABLES ARE DAMAGED WHILE EITHER INSTALLING OR REMOVING SUCH CABLES, CONTRACTOR SHALL COVER COST TO REPLACE CABLES AT THEIR OWN EXPENSE.

L. ALL LOW VOLTAGE CABLING, NEW AND EXISTING, SHALL BE RUN IN AN ORGANIZED MANNER, BUNDLED, AND SUSPENDED WITH HANGERS. HANGERS SHALL NOT BE SUSPENDED FROM, OR COME IN CONTACT WITH, ANY PORTION OF THE HVAC SYSTEM.

M. TELECOMMUNICATIONS CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF ALL NEW CABLING TO BE RUN PARALLEL AND PERPENDICULAR TO BUILDING LINES, IN AN ORGANIZED MANNER, BUNDLED AND SUSPENDED PER THE SPECIFICATIONS. SUPPORTING EQUIPMENT FOR CABLING SHALL NOT BE SUSPENDED FROM, OR COME IN CONTACT WITH, ANY PORTION OF THE HVAC SYSTEM.

TECHNOLOGY SYMBOLS

- LADDER TYPE CABLE-TRAY
- FIBER CABLE ROUTING, TYPE AS NOTED
  HORIZONTAL UTP/COPPER CABLE OUTING, TYPE AS NOTED
- CONDUIT CONCEALED IN CEILING OR WALL WITH THREE CONDUCTORS: 1-PHASE, 1-NEUTRAL, 1-GROUND WIRE, MINIMUM NO.12 WIRE UNLESS OTHERWISE SPECIFIED ON PLANS
- CONDUIT RUN UNDERGROUND OR CONCEALED IN FLOOR SLAB
- CONDUIT UP
- CONDUIT DOWN
- CONDUIT STUB-UP THROUGH WALL WITH BUSHING ON BOTH ENDS. SIZE AS NOTED ON PLANS
- EMPTY CONDUIT STUB-UP INSIDE WALL TO ABOVE ACCESSIBLE CEILING WITH BUSHING ON THE END. SIZE AS NOTED ON PLANS
- LOW VOLTAGE OUTLET, NUMBER OF CABLES AS NOTED ON PLANS (1*C, BY OTHERS)
- TV — LOW VOLTAGE OUTLET (FOR TV USAGE), NUMBER OF CABLES AS NOTED ON PLANS (1*C, BY OTHERS)
- WIRELESS ACCESS POINT (BY OTHERS) INSTALLED BY CONTRACTOR.
- SECURITY CAMERA 9BY OTHERS) C=CEILING MOUNTED, P=PENDANT MOUNTED, W=WALL MOUNTED
- EC — ELECTRICAL CONTRACTOR (WORK DONE BY)
- TC — TECHNOLOGY CONTRACTOR (WORK DONE BY)
- X"C — LOW VOLTAGE 2" CONDUIT SLEEVE (UNLESS NOTED OTHERWISE), PROVIDE AND INSTALL CONDUIT SLEEVE ABOVE CEILING FOR CABLE-PASS THRU FOR LOW VOLTAGE CABLES USAGE (UTP, COAX & FIBER) ONLY. DO NOT ROUTE FIRE ALARM, CONTROL WIRING OR 12/24V WIRING IN THIS CONDUIT. INSTALL NYLON BUSHING ON BOTH ENDS.

CABLE AND FACEPLATE ID SEQUENCE

COPPER PATCH PANEL IDENTIFICATION (TYP)

01-XX
- XX — PATCH PANEL PORT# (TYP)
- 01 — COPPER PATCH PANEL (TYP)

A-V = PATCH PANEL ID, UTP CABLING
W = WIRELESS ACCESS POINT CABLING ID

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