WELLNER ARCHITECTS + engineers

PROPOSAL REQUEST

☐ Owner	City of Lee's Summit
☐ Consultant	Crawford, Murphy, & Tilly, Inc.
☐ Contractor	Fogel-Anderson Const. Co.
☐ Field	

PROJECT:	**LXT Hangar 2 Eastside Development**	PROPOSAL NO:	**09**
OWNER:	**City of Lee's Summit**	DATE OF ISSUANCE:	**04/02/25**
TO:	**Fogel-Anderson Construction** **1212 E. 8th Street** **Kansas City, MO. 64106**	ARCHITECT:	**Wellner Architects, Inc.** **1627 Main Street, #100** **Kansas City, MO 64108**
COPY:	**File**		
CONTRACT FOR:	**General Construction**	ARCHITECT'S PROJECT:	**2219**
CONTRACT DATE:			

Please submit an itemized proposal for changes in the Contract Sum and Contract Time for proposed modifications to the Contract Documents described herein (Additions or Subtractions Thereof). Submit proposal within 10 days, or notify the Architect in writing of the date on which you anticipate submitting your proposal.
THE IS NOT A CHANGE ORDER OR A CONSTRUCTION CHANGE DIRECTIVE.

Description

Item 1. SHEET A102 FLOOR PLANS:

OFFICE rm 125 Add hollow metal window at wall to LEARNING STUDIO 124 with SG4 school guard glass.

OFFICE rm 125 Add roller shades to exterior windows.

OFFICE rm 125 Add blackout roller shades to new window and door side light.

OFFICE rm 125 Revise glass in door 125-A to SG4 school guard glass.

LEARNING STUDIO rm 124 Add roller shades to exterior windows at south elevation.

FLIGHT SIMULTORS rm 120 Add blackout roller shades to side light for door 104-B.

ACTIVE LEARNING LAB rm121 Add roller shades to low and high exterior windows at east elevation.

DRONE STORAGE rm 224 Add roller shades to exterior windows at south elevation.

DRONE STORAGE rm 224 Relocate screen from DRONE PAD rm 218 to south wall.

OFFICE rm 219 Add roller shades to exterior windows.

DRONE PAD 218 Relocate screen from north wall to DRONE STORAGE rm 224.

DRONE PAD Add blackout roller shades to side light for door 204-B.

CONFERENCE / CLASSROOM rm 220 Revise glass in door 220-A to SG4 school guard glass.

CONFERENCE / CLASSROOM rm 220 Add blackout roller shades to side light for door 220-A.

CONFERENCE / CLASSROOM rm 220 Add blackout roller shades to east windows.

STAIR 1 rm 203 Add roller shades to exterior windows.

CONSTRUCTION NOTES Add note 80.

Item 2. SHEET A601 DOOR/WINDOW SCHEDULE & DETAILS:

FRAME TYPES Add hollow metal frame type 7 with sg4 school guard glass for new window at OFFICE rm 125

Item 3. SHEET A610 FINISH SCHEDULE:

FINISH LEGEND Add RC-01 Mecho 1100 series shade cloth 1119 Silver Birch, 1% cloth.

FINISH LEGEND Add RC-02 Mecho 700 series shade cloth 1702 Light Gray, blackout cloth.

Item 4. SHEET E201 POWER FLOOR PLANS:

OFFICE rm 125 Move quad receptacle from north to south wall.

LEARNING STUDIO rm 124 Add TV box to east wall.

LEARNING STUDIO rm 124 Move switched on east wall to west wall of STAIR 1.

LEARNING STUDIO rm 124 Delete power and data for projector at ceiling.

FLIGHT SIMULTORS rm 120 Add power for ceiling hung screens (three locations).

ACTIVE LEARNING LAB rm121 Remove power strip and TV box from north wall.

ACTIVE LEARNING LAB rm121 Add receptacle at north wall.

ACTIVE LEARNING LAB rm121 Revise receptacle to quad at east wall.

STAIR 1 rm 103 Remove power from stairs.

DRONE STORAGE rm 224 Relocate receptacles from columns to wall. Add receptacle to the south wall.

DRONE PAD 218 Add power at north wall.

ELECTRICAL KEYNOTES Add note 16.

Item 5. SHEET E301 SYSTEM FLOOR PLANS:

OFFICE rm 125 Move data jack from north to south wall.

OFFICE rm 125 Remove phone jack from north wall.

LEARNING STUDIO rm 124 Add J boxes for HMDI cables to east wall mounted screen.

LEARNING STUDIO rm 124 Move devices on east wall to west wall of STAIR 1

FLIGHT SIMULTORS rm 120 Add J boxes for HMDI cables to ceiling hung screens to new flight simulators J boxes (three locations).

ACTIVE LEARNING LAB rm121 Move data down at north wall.

OFFICE rm 219 Move phone jack to west wall.

DRONE PAD 218 Delete TV box at north wall.

ELECTRICAL KEYNOTES Revise notes 4 and 9.

Item 6. SHEET E602 ELECTRICAL DETAILS:

TYPICAL IFP POWER & DATA/AV ELEATION Detail added to sheet.

Item 7. 122413 - Roller Window Shades:

Add the section in its entirety.

Specification Modifications

122413 - Roller Window Shades

Drawing Modifications

A102 FLOOR PLANS
A601 DOOR/WINDOW SCHEDULE & DETAILS
A610 FINISH SCHEDULE
E201 POWER FLOOR PLANS
E301 SYSTEM FLOOR PLANS
E602 ELECTRICAL DETAILS

END OF PROPOSAL REQUEST

SECTION 122413 - ROLLER WINDOW SHADES

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Manually operated roller shades with single rollers.

B. Related Requirements:

1. Section 061053 "Miscellaneous Rough Carpentry" for wood blocking and grounds for mounting roller shades and accessories.
2. Section 079200 "Joint Sealants" for sealing the perimeters of installation accessories for light-blocking shades with a sealant.

1.2 ACTION SUBMITTALS

A. Product Data: For each type of product.

1. Include construction details, material descriptions, dimensions of individual components and profiles, features, finishes, and operating instructions for roller shades.

B. Shop Drawings: Show fabrication and installation details for roller shades, including shadeband materials, their orientation to rollers, and their seam and batten locations.

1. Motor-Operated Shades: Include details of installation and diagrams for power, signal, and control wiring.

C. Samples: For each exposed product and for each color and texture specified, 10 inches long.

D. Samples for Initial Selection: For each type and color of shadeband material.

1. Include Samples of accessories involving color selection.

E. Samples for Verification: For each type of roller shade.

1. Shadeband Material: Not less than 3 inches square. Mark interior face of material if applicable.
2. Roller Shade: Full-size operating unit, not less than 16 inches wide by 36 inches long for each type of roller shade indicated.
3. Installation Accessories: Full-size unit, not less than 10 inches long.

1.3 INFORMATIONAL SUBMITTALS

A. Qualification Data: For Installer.

B. Product Certificates: For each type of shadeband material.

C. Product Test Reports: For each type of shadeband material, for tests performed by a qualified testing agency.

1.4 CLOSEOUT SUBMITTALS

A. Operation and Maintenance Data: For roller shades to include in maintenance manuals.

1.5 MAINTENANCE MATERIAL SUBMITTALS

A. Furnish extra materials that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.

1. Roller Shades: Full-size units equal to 5 percent of quantity installed for each size, color, and shadeband material indicated, but no fewer than two units.

1.6 QUALITY ASSURANCE

A. Installer Qualifications: Fabricator of products.

B. Mockups: Build mockups to verify selections made under Sample submittals, to demonstrate aesthetic effects, and to set quality standards for fabrication and installation.

1. Approval of mockups does not constitute approval of deviations from the Contract Documents contained in mockups unless Architect specifically approves such deviations in writing.
2. Subject to compliance with requirements, approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.

1.7 DELIVERY, STORAGE, AND HANDLING

A. Deliver roller shades in factory packages, marked with manufacturer, product name, and location of installation using same designations indicated on Drawings.

1.8 FIELD CONDITIONS

A. Environmental Limitations: Do not install roller shades until construction and finish work in spaces, including painting, is complete and dry and ambient temperature and humidity conditions are maintained at the levels indicated for Project when occupied for its intended use.

B. Field Measurements: Where roller shades are indicated to fit to other construction, verify dimensions of other construction by field measurements before fabrication and indicate measurements on Shop Drawings. Allow clearances for operating hardware of operable glazed units through entire operating range. Notify Architect of installation conditions that vary from Drawings. Coordinate fabrication schedule with construction progress to avoid delaying the Work.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. Source Limitations: Subject to compliance with requirements, available manufactures offering products that may be incorporated into the Work include, but not limited to the following:
1. Draper, Inc.
2. Mecho Shade Systems, Inc.
3. Nysan Solar Control
4. Windowtex

2.2 MANUALLY OPERATED SHADES WITH SINGLE ROLLERS

A. Basis of design manufacturer: Mecho, which is located at: 42-03 35th St.; Long Island City, NY 11101; ASD Tel: 718-729-2020; Fax: 718-729-2941; Email: marketing@mechoshade.com; Web: www.mechoshade.com or approved equal.

B. Chain-and-Clutch Operating Mechanisms: With continuous-loop bead chain and clutch that stops shade movement when bead chain is released; permanently adjusted and lubricated.

1. Bead Chains: Manufacturer's standard.

a. Loop Length: Full length of roller shade.
b. Limit Stops: Provide upper and lower ball stops.
c. Chain-Retainer Type: Clip, jamb mount.

2. Spring Lift-Assist Mechanisms: Manufacturer's standard for balancing roller shade weight and for lifting heavy roller shades.

a. Provide for shadebands that weigh more than 10 lb or for shades as recommended by manufacturer, whichever criterion is more stringent.

C. Rollers: Corrosion-resistant steel or extruded-aluminum tubes of diameters and wall thicknesses required to accommodate operating mechanisms and weights and widths of shadebands indicated without deflection. Provide with permanently lubricated drive-end assemblies and idle-end assemblies designed to facilitate removal of shadebands for service.

1. Roller Drive-End Location: Right side of interior face of shade.
2. Direction of Shadeband Roll: Regular, from back (exterior face) of roller.
3. Shadeband-to-Roller Attachment: Manufacturer's standard method.

D. Mounting Hardware: Brackets or endcaps, corrosion resistant and compatible with roller assembly, operating mechanism, installation accessories, and mounting location and conditions indicated.

E. Roller-Coupling Assemblies: Coordinated with operating mechanism and designed to join up to three inline rollers into a multiband shade that is operated by one roller drive-end assembly.

F. Shadebands:

1. Shadeband Material: Light-filtering fabric and blackout fabric.
2. Shadeband Bottom (Hem) Bar: Steel or extruded aluminum.

   a. Type: Enclosed in sealed pocket of shadeband material.
   b. Color and Finish: As selected by Architect from manufacturer's full range.

G. Installation Accessories:

1. Front Fascia: Aluminum extrusion that conceals front and underside of roller and operating mechanism and attaches to roller endcaps without exposed fasteners.

   a. Shape: L-shaped.
   b. Height: Manufacturer's standard height required to conceal roller and shadeband assembly when shade is fully open, but not less than 3 inches.

2. Exposed Headbox: Rectangular, extruded-aluminum enclosure including front fascia, top and back covers, endcaps, and removable bottom closure.

   a. Height: Manufacturer's standard height required to enclose roller and shadeband assembly when shade is fully open, but not less than 3 inches.

3. Endcap Covers: To cover exposed endcaps.
4. Recessed Shade Pocket: Rectangular, extruded-aluminum enclosure designed for recessed ceiling installation; with front, top, and back formed as one piece, end plates, and removable bottom closure panel.

   a. Height: Manufacturer's standard height required to enclose roller and shadeband assembly when shade is fully open, but not less than 4 inches.
   b. Provide pocket with lip at lower edge to support acoustical ceiling panel.

5. Closure Panel and Wall Clip: Removable aluminum panel designed for installation at bottom of site-constructed ceiling recess or pocket and for snap-in attachment to wall clip without fasteners.

   a. Closure-Panel Width: As indicated on Drawings.
6. Installation Accessories Color and Finish: As selected from manufacturer's full range.

7. Side Channels: With light seals and designed to eliminate light gaps at sides of shades as shades are drawn down. Provide side channels with shadeband guides or other means of aligning shadebands with channels at tops.

8. Bottom (Sill) Channel or Angle: With light seals and designed to eliminate light gaps at bottoms of shades when shades are closed.

2.3 SHADEBAND MATERIALS

A. Shadeband Material Flame-Resistance Rating: Comply with NFPA 701. Testing by a qualified testing agency. Identify products with appropriate markings of applicable testing agency.

B. Light-Filtering Fabric: Woven fabric, stain and fade resistant.

1. Source: Roller shade manufacturer.
2. Type: PVC-coated polyester.
3. Weave: Basketweave.
4. Weight: 19.05 oz per sq yd
5. Roll Width: As indicated on Drawings.
6. Orientation on Shadeband: Railroaded.
7. Openness Factor: 1 percent at Conference room and 5 percent everywhere else.
8. Color: 1119 Silver Birch.

C. Light-Blocking Fabric: Opaque fabric, stain and fade resistant.

1. Source: Roller shade manufacturer
2. Type: PVC-coated fiberglass with bonded PVC film
3. Thickness: 0.013 in.
4. Weight: 12.50 oz/yd.
5. Roll Width: As indicated on the drawings
6. Orientation on Shadeband: Railroaded.
7. Color: Silver Birch 2826

2.4 ROLLER SHADE FABRICATION

A. Product Safety Standard: Fabricate roller shades to comply with WCMA A 100.1, including requirements for flexible, chain-loop devices; lead content of components; and warning labels.

B. Unit Sizes: Fabricate units in sizes to fill window and other openings as follows, measured at 74 deg F:

1. Between (Inside) Jamb Installation: Width equal to jamb-to-jamb dimension of opening in which shade is installed less 1/4 inch per side or 1/2-inch total, plus or minus 1/8 inch. Length equal to head-to-sill or -floor dimension of opening in which shade is installed less 1/4 inch, plus or minus 1/8 inch.
2. Outside of Jamb Installation: Width and length as indicated, with terminations between shades of end-to-end installations at centerlines of mullion or other defined vertical separations between openings.

C. Shadeband Fabrication: Fabricate shadebands without battens or seams to extent possible, except as follows:

1. Vertical Shades: Where width-to-length ratio of shadeband is equal to or greater than 1:4, provide battens and seams at uniform spacings along shadeband length to ensure shadeband tracking and alignment through its full range of movement without distortion of the material.
2. Skylight Shades: Provide battens and seams at uniform spacings along shadeband as required to ensure shadeband tracking and alignment through its full range of movement without distortion or sag of material.
3. Railroaded Materials: Railroad material where material roll width is less than the required width of shadeband and where indicated. Provide battens and seams as required by railroaded material to produce shadebands with full roll-width panel(s) plus, if required, one partial roll-width panel located at top of shadeband.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements for installation tolerances, operational clearances,and other conditions affecting performance of the Work.

B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 ROLLER SHADE INSTALLATION

A. Install roller shades level, plumb, and aligned with adjacent units according to manufacturer's written instructions.

B. Roller Shade Locations: At exterior windows.

3.3 ADJUSTING

A. Adjust and balance roller shades to operate smoothly, easily, safely, and free from binding or malfunction throughout entire operational range.

3.4 CLEANING AND PROTECTION

A. Clean roller shade surfaces, after installation, according to manufacturer's written instructions.

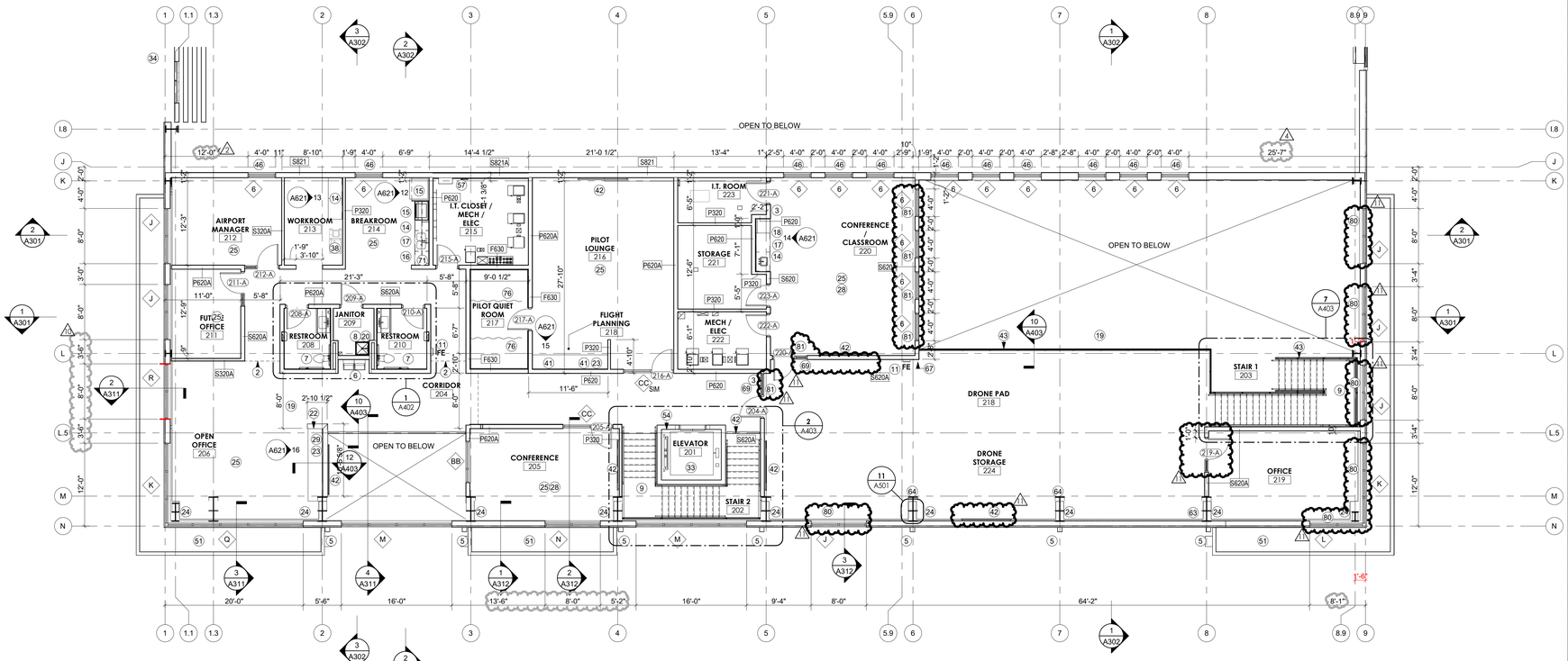
B. Provide final protection and maintain conditions, in a manner acceptable to manufacturer and Installer, that ensure that roller shades are without damage or deterioration at time of Substantial Completion.

C. Replace damaged roller shades that cannot be repaired, in a manner approved by Architect, before time of Substantial Completion.

3.5 DEMONSTRATION

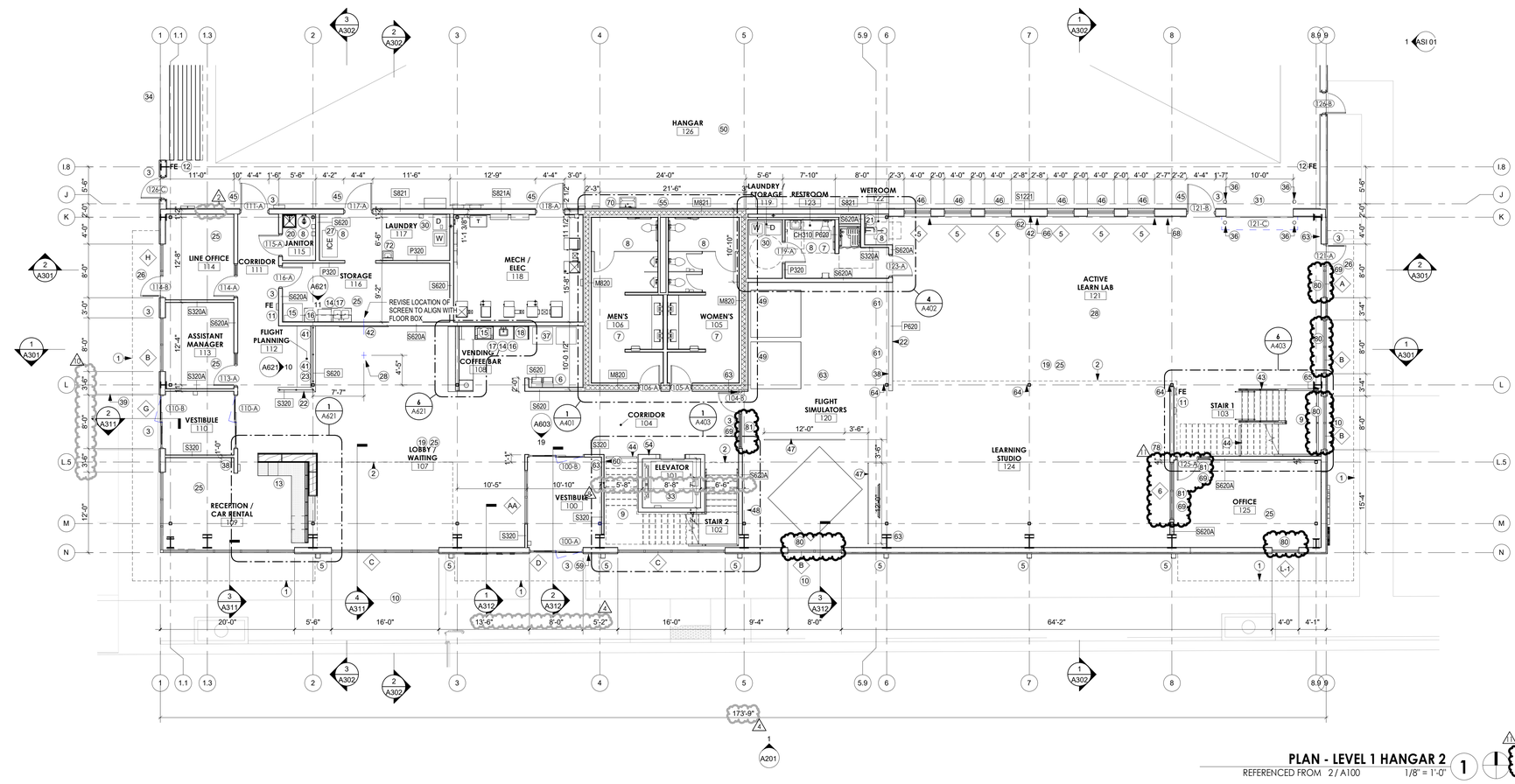
A. Engage a factory-authorized service representative to train Owner's maintenance personnel to adjust, operate, and maintain motor-operated roller shades.

END OF SECTION 122413



PLAN - LEVEL 2 HANGAR 2

REFERENCED FROM 1 / A201 1/8" = 1'-0" 2



PLAN - LEVEL 1 HANGAR 2

REFERENCED FROM 2 / A100 1/8" = 1'-0" 1

CONSTRUCTION NOTES (#)

1 LINE OF CANOPY ABOVE
2 LINE OF SOFFIT / SLAB EDGE ABOVE
3 FURNISH AND INSTALL ACCESS CONTROLS ON DOORS PER OWNER REQUIREMENTS AND HARDWARE SCHEDULE
4 FURNISH AND INSTALL 2 HOUR RATED FIRE RATED COILING OVERHEAD DOOR PER DOOR SCHEDULE
5 FURNISH AND INSTALL PREFINISHED DOWNSPOUT WITH INTEGRAL OVERFLOW AND CONNECT TO STORM SEWER PER CIVIL
6 FURNISH AND INSTALL HIGH / LOW DRINKING FOUNTAIN WITH BOTTLE FILLER PER PLUMBING AND ADA
7 REFER TO ENLARGED PLANS AND ELEVATIONS FOR RESTROOM LAYOUT AND ACCESSORIES PER ADA
8 FURNISH AND INSTALL FLOOR DRAIN PER PLUMBING, SLOPE SLAB AS NEEDED TO PROVIDE DRAINAGE
9 FURNISH AND INSTALL CONCRETE FILLED METAL PAN STAIR WITH GUARDRAIL AND CONTINUOUS HANDRAILS PER DETAILS
10 FURNISH AND INSTALL DECORATIVE GRAVEL STRIP AROUND BUILDING PER LANDSCAPE PLANS
11 FURNISH AND INSTALL 3A-40BC RATED F.E. (min 5lbs.) IN SEMI RECESSED STAINLESS STEEL CABINET, MOUNTED NO HIGHER THAN 5'-0" TO T.O. extinguisher. Monroe Extinguisher Comp - ADA 1027V10 with V style door. VERIFY FINAL QUANTITY AND LOCATION WITH FIRE MARSHAL AND CONFIRM WITH ARCHITECT
12 FURNISH AND INSTALL 3A-40BC RATED F.E. (min 5lbs.) SURFACE MOUNTED NO HIGHER THAN 5'-0" TO T.O. EXTINGUISHER. Monroe Extinguisher Comp - ADA 1027V10 with V style door. VERIFY FINAL QUANTITY AND LOCATION WITH FIRE MARSHAL AND CONFIRM WITH ARCHITECT
13 FURNISH AND INSTALL CHECK-IN DESK PER DETAILS, PROVIDE ADEQUATE POWER AND DATA TO FLOOR STUB FOR 2 COMPUTERS, AND PRINTER
14 FURNISH AND INSTALL LOWER AND UPPER CASEWORK AND COUNTER TOPS PER INTERIOR ELEVATIONS, DETAILS, AND FINISH PLANS
15 FURNISH AN INSTALL ADEQUATE ELECTRICAL FOR OWNER PROVIDED REFRIGERATOR, AND MICROWAVE
16 FURNISH AND INSTALL ADEQUATE ELECTRICAL AND WATERLINE FOR COFFEE MAKER
17 FURNISH AND INSTALL UNDERMOUNT STAINLESS STEEL SINK WITH DISPOSAL PER PLUMBING, ADA AND DETAILS
18 FURNISH AND INSTALL ADA COUNTER HEIGHT UNDERCOUNTER FRIDGE WITH ADEQUATE POWER AND CASEWORK TRIM PIECES FOR BUILT IN APPEARANCE
19 PAINT ALL EXPOSED STRUCTURE PER FINISH PLANS
20 FURNISH AND INSTALL JANITOR'S MOP BASIN WITH CUSTODIAL MOP AND BROOM HOLDER AND FRP PER FINISH LEGEND ON ADJACENT WALLS BEYOND MOP SINK
21 FURNISH AND INSTALL PULL DOWN IN WALL EMERGENCY SHOWER AND EYE WASH STATION PER PLUMBING
22 FURNISH AND INSTALL 48" TALL LOW WALL WITH SOLID SURFACE CAP PER FINISH PLANS AND LEGEND
23 FURNISH AND INSTALL COUNTER TOP AT 34" A.F.F. PER INTERIOR ELEVATIONS, DETAILS, AND FINISH LEGEND
24 PROVIDE EXPANSION JOINT BETWEEN SECOND FLOOR SLAB AND PEMB STRUCTURE AND EXTERIOR WALL PER DETAILS, PEMB STRUCTURE TO BE LIMITED TO 3'-3" MAX COLUMN DEPTH AT 2ND FLOOR
25 GC TO COORDINATE AND PROVIDE INSTALLATION OF OWNER PROVIDED FURNITURE
26 FURNISH AND INSTALL STOOPS EXTERIOR DOORS PER STRUCTURAL
27 FURNISH AND INSTALL WATER LINE OF ICE MAKER
28 FURNISH AND INSTALL IN SLAB FLOOR OUTLETS FOR POWER / DATA / VOICE. COORDINATE FINAL LOCATIONS WITH FURNITURE SUPPLIER AND OWNER AND CONFIRM WITH ARCHITECT
29 FURNISH AND INSTALL OUTLETS AT WALL OF COUNTER FOR CHARGING STATIONS
30 FURNISH AND INSTALL ADEQUATE POWER, PLUMBING, AND VENTILATION FOR WASHER AND DRYER
31 FURNISH AND INSTALL 1 HOUR RATED FIRE RATED COILING OVERHEAD DOOR PER DOOR SCHEDULE
32 FURNISH AND INSTALL SECURED SLIDING GATE. PROVIDE CONDUIT AND ADEQUATE POWER AND CONTROLS PER OWNER REQUIREMENTS
33 FURNISH AND INSTALL ELEVATOR EQUIPMENT PER SUPPLIER, SCHINDLER 3100 MRL TRACTION ELEVATOR IS BASIS OF DESIGN
34 FURNISH AND INSTALL "FLOATING" 16'-0 X 28'-0" HANGAR DOOR WITH CONTINUOUS HEAVY 12 GAUGE GALVANIZED STEEL ANGLE FLASHINGS ON BOTH SIDES OF EACH RAILING PROVIDING A FLUSH SURFACE AND LEVEL CROSSING FOR AIRCRAFT, PROVIDE ADEQUATE POWER, TRACK HEATING, AND DRAINAGE PER DETAILS
35 EXISTING ELECTRICAL VAULT TO REMAIN. COORDINATE CONSTRUCTION ACTIVITIES AS TO NOT DISRUPT SERVICE PROVIDED FROM THIS BUILDING
36 FURNISH AND INSTALL 6" DIAMETER CONCRETE FILLED GALVANIZED PIPE BOLLARDS PER DETAIL - PAINTED
37 PROVIDE ADEQUATE POWER FOR VENDING MACHINES
38 PROVIDE ADEQUATE POWER / DATA FOR COPIER / PRINTER
39 LINE OF CONCRETE APRON. REFER TO CIVIL
40 EXISTING APRON. REFER TO CIVIL
41 PROVIDE ADEQUATE POWER / DATA CONNECTIONS FOR COMPUTER WORKSTATION
42 FURNISH AND INSTALL BLOCKING AND ELECTRICAL / DATA FOR OWNER PROVIDED FLAT SCREEN TV'S. FINAL LOCATIONS AND MOUNTING HEIGHT TO BE VERIFIED WITH OWNER
43 FURNISH AND INSTALL CABLE GUARD RAILING AT 42" A.F.F. PER DETAILS
44 FURNISH AND INSTALL RAILING PER DETAILS AT UNDERSIDE OF STAIR OR AS SHOWN IN PLAN AT UNDERSIDE OF STAIRS TO MEET ADA
45 FURNISH AND INSTALL 1 HOUR RATED DOOR AND GLAZING PER DETAILS AND SCHEDULES
46 FURNISH AND INSTALL 1 HOUR RATED GLAZING IN HOLLOW METAL FRAMES AT RATED WALLS PER DETAILS
47 FURNISH AND INSTALL REMOVEABLE RAILING AROUND FLIGHT SIMULATOR, COORDINATE FINAL LAYOUT AND CLEARANCES WITH OWNER
48 PROVIDE ADEQUATE POWER / DATA CONNECTION FOR OWNER PROVIDED REDBIRD AMS FLIGHT SIMULATOR. COORDINATE INSTALLATION AND CLEAR SPACE FOR RAILING WITH OWNER
49 PROVIDE ADEQUATE POWER / DATA CONNECTION FOR OWNER PROVIDED REDBIRD LD FLIGHT SIMULATORS. COORDINATE INSTALLATION AND CLEAR SPACE WITH OWNER
50 FURNISH AND INSTALL TRENCH DRAINS WITH OIL / SAND INTERCEPTOR. REFER TO PLUMBING, SLOPE FLOOR TO TRENCH AND FLOOR DRAIN SYSTEMS
51 CANOPY PER DETAILS
52 FURNISH AND INSTALL CONDUIT FOR FUTURE RUNS BETWEEN HANGAR AND FUTURE TERMINAL BUILDING PER CIVIL
53 FURNISH AND INSTALL FIRE ANNUNCIATOR PANEL
54 FURNISH AND INSTALL 8"X16" CMU WITH INTEGRAL 8" SCORE PATTERN AND MORTAR MATCHING CMU FINISH COLOR, RAKE ALL MORTAR JOINTS TO ALIGN WITH CMU SCORE PATTERN
55 FURNISH AND INSTALL SANITARY LAVATORY LINE AND FIXTURE FOR AIRPLANE WASTE DISPOSAL
56 FURNISH AND INSTALL LINER PANEL TO GIRTS FROM FLOOR TO 10'-0" AFF AT PERIMETER WALLS
57 FURNISH AND INSTALL 3/4" FIRE TREATED PLYWOOD PANEL 8' WIDE X 8' TALL FOR WALL MOUNTED I.T., CONFIRM FINAL LOCATION WITH OWNER
58 FIRE DEPARTMENT CONNECTION (FDC)
59 KNOX BOX AT DOOR ABOVE FDC KNOX KEY SWITCHES AT OPERABLE GATES. COORDINATE SIZE/LOCATION WITH AHJ AND OWNER
60 ELEVATOR KEY KNOX BOX ADJACENT TO ELEVATOR, COORDINATE SIZE AND LOCATION WITH AHJ AND OWNER
61 PROVIDE ADEQUATE POWER / DATA CONNECTION FOR OWNER PROVIDED OPEN FLIGHT SIMULATORS, PROVIDE BLOCKING AS NEEDED FOR MONITORS MOUNTED TO WALL PER OWNER REQUIREMENTS
62 FURNISH AND INSTALL WALL MOUNTED POWER TRACK AT 3'-6" A.F.F. BETWEEN STRUCTURAL GRIDS 6 TO 8
63 FURNISH AND INSTALL CONDUIT / ROUGH AND CAT 6 FOR OWNER PROVIDED SECURITY CAMERAS PER OWNER REQUIREMENTS, COORDINATE MOUNTING HEIGHT WITH OWNER
64 FURNISH AND INSTALL CONDUIT WITH POWER AND DATA ALONG COLUMNS WITH POWER REEL. REFER TO ELECTRICAL DRAWINGS
65 PROVIDE ADEQUATE POWER FOR BATTERY CHARGING STATIONS
66 FURNISH AND INSTALL POWER FOR WIFI ROUGH IN AT 12'-0" A.F.F., CONFIRM FINAL LOCATIONS WITH OWNER
67 FURNISH AND INSTALL 2' X 2' X 48" STAINLESS STEEL CORNER GUARDS AT 1'-0" A.F.F.
68 PROVIDE POWER FOR AIR COMPRESSOR
69 FURNISH AND INSTALL SG4 SCHOOL GUARD GLASS AT DOORS AND SIDELIGHTS
70 FURNISH AND INSTALL STAINLESS STEEL WALL MOUNTED SINK WITH EMERGENCY EYE WASH STATION PER PLUMBING
71 FURNISH AND INSTALL ADA COUNTER HEIGHT DISHWASHER PROVIDE ADEQUATE POWER AND WATER CONNECTIONS PER MEP
72 FURNISH AND INSTALL STAINLESS STEEL WALL MOUNTED SINK PER PLUMBING, PROVIDE INSULATED COVERING PER ADA
73 REFER TO ENLARGED PLANS AND ELEVATIONS FOR TRASH ENCLOSURE DETAILS
74 FURNISH AND INSTALL STEEL CONDUIT UNDER TRACKS FOR HEATING PER ELECTRICAL. REFER TO DETAILS
75 LINE OF CANOPY ABOVEFURNISH AND INSTALL RAIL DRAINAGE COLLECTORS AND DIVERT IT TO BUILDING DRAINAGE PER PLUMBING
76 FURNISH AND INSTALL SEMI-TRANSPARENT BLACK MESH CURTAINS WITH SILENT TRACK / CURTAIN RINGS
77 FURNISH AND INSTALL PAINT AT FRONT FACE OF PEMB COLUMNS TO 28'-0" IN CONTRASTING COLOR PER FINISH LEGEND
78 FURNISH AND INSTALL 180" WALL MOUNTED DIAGONAL PROJECTOR SCREEN. PROVIDE BLOCKING AS NEEDED
79 FURNISH AND INSTALL 4-A:20-B:C RATED F.E. SURFACE MOUNTED NO HIGHER THAN 5'-0" TO T.O. EXTINGUISHER. VERIFY FINAL QUANTITY AND LOCATION WITH FIRE MARSHAL AND CONFIRM WITH ARCHITECT
80 MANUAL ROLLER SHADE RC-01 REFERENCE FINISH LEGEND
81 MANUAL ROLLER BLACKOUT SHADE RC-2 REFERENCE FINISH LEGEND

CMT
1627 MAIN STREET, SUITE 600
KANSAS CITY, MO 64108

WELLNER ARCHITECTS, INC
1627 MAIN STREET, SUITE 100
KANSAS CITY, MO 64108

olsson
1301 BURLINGTON STREET
NORTH KANSAS CITY, MO 64116

LEE'S SUMMIT MUNICIPAL AIRPORT
LEE'S SUMMIT AIRPORT

EASTSIDE DEVELOPMENT
CITY PROJECT NO. - 47732472

Julie Black Wellner - Architect - MO #A-5006
STATE OF MISSOURI JULIE BLACK WELLNER NUMBER A-5006 REGISTERED ARCHITECT
MO Certificate of Authority #000767
09-29-2023

LEES SUMMIT MUNICIPAL AIRPORT
LEES SUMMIT, MO

MARK	DATE	DESCRIPTION
11	4/1/25	PR 09
10	10/16/24	HSS Sleeve
8	8/26/24	RFI 17
4	8/2/24	ASI 01
2	3/29/24	REV-2

PROJECT NO:	2219
CAD DWG FILE:	Lee's Summit - Hangar 2.rvt
DESIGNED BY:	DM
DRAWN BY:	DM
CHECKED BY:	WAI
APPROVED BY:	WAI

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SHEET TITLE

FLOOR PLANS

A102

SHEET OF

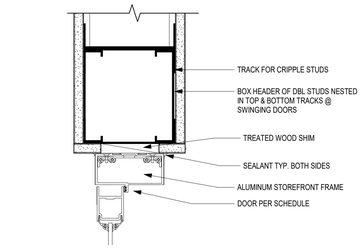
4/4/2025 10:32:47 AM

DOOR SCHEDULE

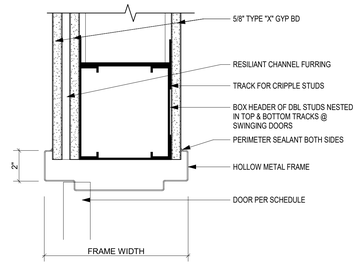
door #	DOORS TYPE	MATERIAL	FINISH	size width	size height	size thickness	FRAMES TYPE	MATERIAL	FINISH	DETAILS HEAD	DETAILS JAMB	DETAILS SILL	FIRE RATING	HARDWARE GROUP	remarks
100-A	A	ALUM	ANOD.	7' - 8"	8' - 0"	0' - 1 3/4"	STOREFRONT	ALUM	ANOD.	7A604	6A604	5A604	-	17	
100-B	A	ALUM	ANOD.	8' - 0"	8' - 0"	0' - 1 3/4"	STOREFRONT	ALUM	ANOD.	7A604	6A604	5A604	-	17	
104-B	E	HM	WOOD GRAIN	3' - 0"	8' - 0"	0' - 1 3/4"	4	HM	PT	7A601	6A601		-	05	4, 5
105-A	C	WD	WD-1	3' - 0"	8' - 0"	0' - 1 3/4"	1	HM	PT	3A601	2A601	-	-	15	
106-A	C	WD	WD-1	3' - 0"	8' - 0"	0' - 1 3/4"	1	HM	PT	3A601	2A601	-	-	15	
110-A	A	ALUM	ANOD.	7' - 8"	8' - 1"	0' - 1 3/4"	STOREFRONT	ALUM	ANOD.	7A604	6A604	5A604	-	17	
110-B	A	ALUM	ANOD.	7' - 8"	8' - 0"	0' - 1 3/4"	STOREFRONT	ALUM	ANOD.	7A604	6A604	5A604	-	17	
111-A	D	HM	PT	4' - 0"	8' - 0"	0' - 1 3/4"	1	HM	PT	7A601	6A601	-	45 MIN	07	1
113-A	C	WD	WD-1 △1	3' - 0"	8' - 0"	0' - 1 3/4"	2	HM	PT	7A601	6A601	-	-	13	
114-A	C	WD	WD-1 △1	3' - 0"	8' - 0"	0' - 1 3/4"	2	HM	PT	7A601	6A601	-	-	13	
114-B	B	ALUM	ANOD.	3' - 0"	8' - 0"	0' - 1 3/4"	STOREFRONT	ALUM	ANOD.	7A604	6A604	5A604	-	02	
115-A	C	WD	WD-1	3' - 0"	8' - 0"	0' - 1 3/4"	1	HM	PT	7A601	6A601	-	-	06	
116-A	C	WD	WD-1	3' - 0"	7' - 0"	0' - 1 3/4"	1	HM	PT	7A601	6A601	-	-	08	
117-A	D	HM	PT	4' - 0"	8' - 0"	0' - 1 3/4"	1	HM	PT	7A601	6A601	-	45 MIN	07	1
118-A	H	HM	PT	4' - 0"	8' - 0"	0' - 1 3/4"	1	HM	PT	7A601	6A601	-	90 MIN	04	1
119-A	C	WD	WD-1 △1	3' - 0"	8' - 0"	0' - 1 3/4"	1	HM	PT	7A601	6A601	-	-	06	4
121-A	B	ALUM	ANOD.	3' - 0"	8' - 0"	0' - 1 3/4"	STOREFRONT	ALUM	ANOD.	7A603	6A604	5A604	-	02	5
121-B	D	HM	PT	4' - 0"	8' - 0"	0' - 1 3/4"	1	HM	PT	7A601	6A601	-	45 MIN	12	1
121-C	F	STL	PREFINISHED	10' - 0"	10' - 0"	0' - 2"	-	-	-	4A602	3A602	-	45 MIN	18	2
123-A	C	HM	WOOD GRAIN	3' - 0"	8' - 0"	0' - 1 3/4"	1	HM	PT	7A601	6A601	-	-	14	4
125-A	C	HM	WOOD GRAIN	3' - 0"	8' - 0"	0' - 1 3/4"	2	HM	PT	7A601	6A601	-	-	13	4
126-A	D	HM	PT	3' - 0"	8' - 0"	0' - 1 3/4"	1	HM	PT	15A604	14604	-	-	03	1
126-B	D	HM	PT	3' - 0"	8' - 0"	0' - 1 3/4"	1	HM	PT	15A604	14604	-	-	03	1
126-C	D	HM	PT	3' - 0"	8' - 0"	0' - 1 3/4"	1	HM	PT	15A604	14604	-	-	01	1
126-D	D	HM	PT	3' - 0"	8' - 0"	0' - 1 3/4"	1	HM	PT	15A604	14604	-	-	01	1
126-E	D	HM	PT	3' - 0"	8' - 0"	0' - 1 3/4"	1	HM	PT	15A604	14604	-	-	01	1
126-F	G	STL	PT	14' - 0"	10' - 0"	0' - 2"	-	-	-	2A602	1A602	1A501	-	18	2
126-G	D	HM	PT	3' - 0"	8' - 0"	0' - 1 3/4"	1	HM	PT	15A604	14604	-	-	03	1, 3
127-A	D	HM	PT	3' - 0"	8' - 0"	0' - 1 3/4"	1	HM	PT	15A604	14604	-	-	01	1
127-B	G	STL	PREFINISHED	14' - 0"	14' - 0" △1	0' - 2"	-	--	-	2A602	1A602	1A501	-	18	2
127-C	G	STL	PREFINISHED	14' - 0"	14' - 0"	0' - 2"	-	-	-	2A602	1A602	1A501	-	18	2
127-D	G	STL	PREFINISHED	14' - 0"	14' - 0"	0' - 2"	-	-	-	2A602	1A602	1A501	-	18	2
127-E	F	STL	PREFINISHED	14' - 0"	14' - 0"	0' - 2"	-	-	-	2A602	1A602	-	90 MIN	18	2
127-F	D	HM	PT	3' - 0"	8' - 0"	0' - 1 3/4"	1	HM	PT	11A601	10A601	-	90 MIN	11	
204-A	E	HM	WOOD GRAIN	3' - 0"	8' - 0"	0' - 1 3/4"	3	HM	PT	7A601	6A601	-	-	05	4, 5
205-A	C	WD	WD-1	3' - 0"	8' - 0"	0' - 1 3/4"	STOREFRONT	ALUM	ANOD.	12A601	12A601	-	-	13	
208-A	C	WD	WD-1	3' - 0"	8' - 0"	0' - 1 3/4"	1	HM	PT	7A601	6A601	-	-	14	
209-A	C	WD	WD-1	3' - 0"	8' - 0"	0' - 1 3/4"	1	HM	PT	7A601	6A601	-	-	06	
210-A	C	WD	WD-1	3' - 0"	8' - 0"	0' - 1 3/4"	1	HM	PT	7A601	6A601	-	-	14	
211-A	C	WD	WD-1	3' - 0"	8' - 0"	0' - 1 3/4"	2	HM	PT	7A601	6A601	-	-	13	
212-A	C	WD	WD-1	3' - 0"	8' - 0"	0' - 1 3/4"	2	HM	PT	7A601	6A601	-	-	13	
215-A	C	WD	WD-1	3' - 0"	8' - 0"	0' - 1 3/4"	1	HM	PT	7A601	6A601	-	-	09	
216-A	C	WD	WD-1	3' - 0"	8' - 0"	0' - 1 3/4"	STOREFRONT	ALUM	ANOD.	12A601	12A601	-	-	11	
217-A	C	WD	WD-1	3' - 0"	8' - 0"	0' - 1 3/4"	1	HM	PT	8A601	4A601	-	-	16	
219-A	C	HM	WOOD GRAIN	3' - 0"	8' - 0"	0' - 1 3/4"	2	HM	PT	7A601	6A601	-	-	13	4
220-A	C	HM	WOOD GRAIN	3' - 0"	8' - 0"	0' - 1 3/4"	2	HM	PT	7A601	6A601	-	-	10	4
221-A	C	HM	WOOD GRAIN	3' - 0"	8' - 0"	0' - 1 3/4"	1	HM	PT	7A601	6A601	-	-	08	4
222-A	C	HM	WOOD GRAIN	3' - 0"	8' - 0"	0' - 1 3/4"	1	HM	PT	7A601	6A601	-	-	06	4
223-A	C	HM	WOOD GRAIN	3' - 0"	8' - 0"	0' - 1 3/4"	1	HM	PT	7A601	6A601	-	-	06	4

GENERAL NOTES:
1. REFER TO SPECIFICATIONS FOR HARDWARE SETS LISTED IN SPECIFICATIONS 087100

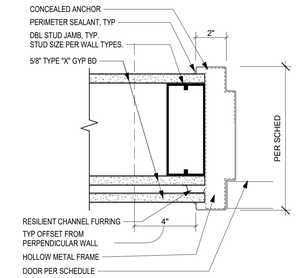
NOTES:
1. INSULATED OVERHEAD DOOR
2. INSULATED SECTIONAL DOOR
3. CORRDINATE EGRESS DOOR WITHIN HANGAR DOOR WITH HANGAR DOOR PROVIDER
4. STEEL-CRAFT WOOD GRAIN DOORS WITH FINISH MATCHING WD-1
5. GLAZING TO BE SG4 SCHOOL GUARD GLASS AT DOORS AND SIDELIGHTS



DOOR JAMB/HEAD AT GYP BD INT STOREFRONT 12
3" = 1'-0"



DOOR HEAD AT PILOT QUIET RM 8
3" = 1'-0"



DOOR JAMB AT PILOT QUIET RM 4
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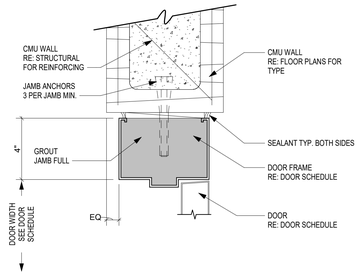
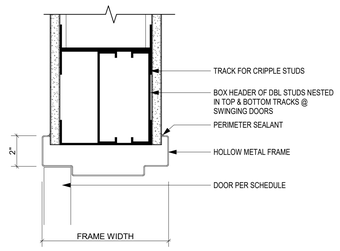
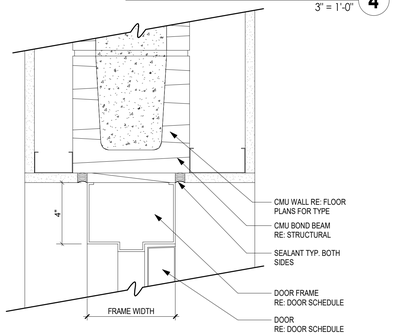


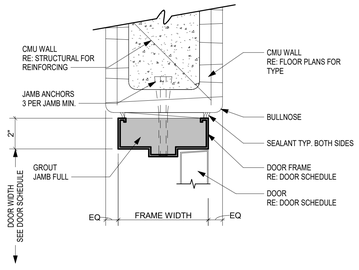
DOOR HEAD AT CMU 11
3" = 1'-0"



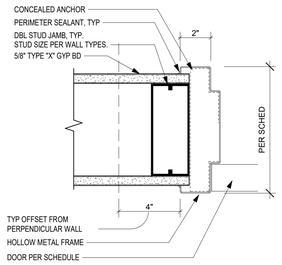
DOOR HEAD AT GYP BD 7
3" = 1'-0"



DOOR HEAD AT CMU 3
3" = 1'-0"



DOOR JAMB AT CMU 10
3" = 1'-0"



DOOR JAMB AT GYP BD 6
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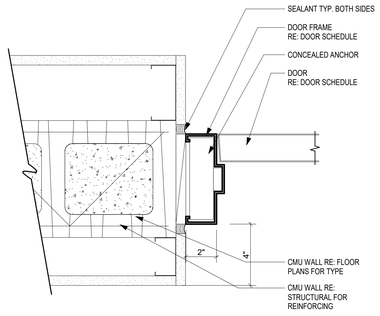
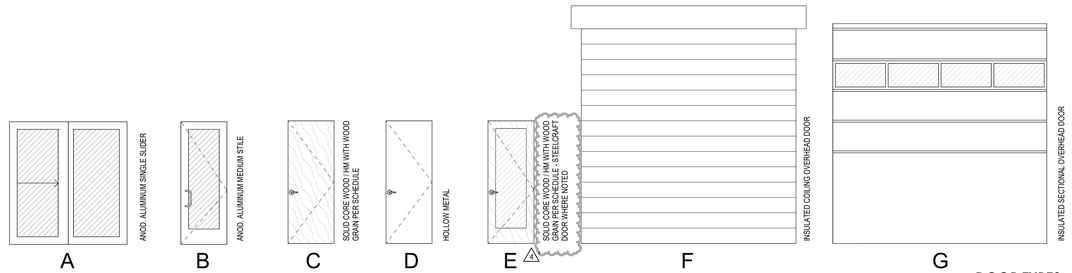
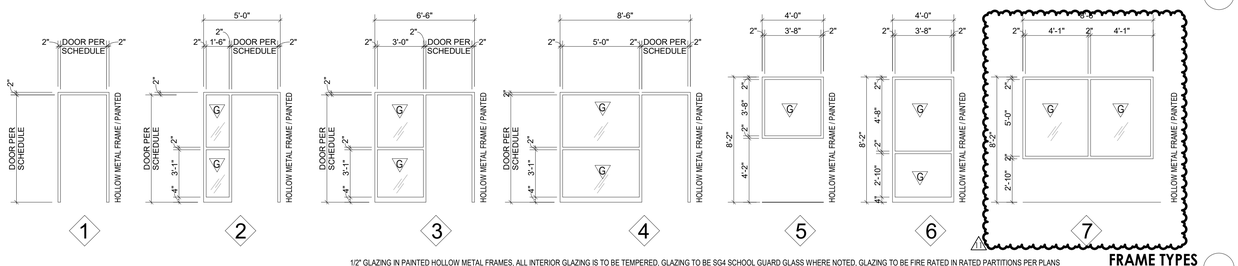


DOOR JAMB AT CMU 2
3" = 1'-0"



EXTERIOR GLAZING PER GLAZING ELEVATIONS, ALL INTERIOR GLAZING IS TO BE TEMPERED, GLAZING TO BE SG4 SCHOOL GUARD GLASS WHERE NOTED, GLAZING / DOORS TO BE FIRE RATED IN RATED PARTITIONS PER PLANS

DOOR TYPES



1/2" GLAZING IN PAINTED HOLLOW METAL FRAMES, ALL INTERIOR GLAZING IS TO BE TEMPERED, GLAZING TO BE SG4 SCHOOL GUARD GLASS WHERE NOTED, GLAZING TO BE FIRE RATED IN RATED PARTITIONS PER PLANS

FRAME TYPES

CMT
1627 MAIN STREET, SUITE 600
KANSAS CITY, MO 64108

WELLNER ARCHITECTS, INC
1627 MAIN STREET, SUITE 100
KANSAS CITY, MO 64108

olsson
1301 BURLINGTON STREET
NORTH KANSAS CITY, MO 64116

LEE'S SUMMIT MUNICIPAL AIRPORT
LEE'S SUMMIT AIRPORT

EASTSIDE DEVELOPMENT
CITY PROJECT NO. - 47732472

Julie Black Wellner - Architect - MO #A-5006
STATE OF MISSOURI
JULIE BLACK WELLNER
COMMISSION
A-5006
REGISTERED ARCHITECT
MO Certificate of Authority #000767

09-29-2023

LEES SUMMIT MUNICIPAL AIRPORT
LEES SUMMIT, MO

MARK	DATE	DESCRIPTION
11	4/1/25	PR 09
4	8/2/24	ASI 01

PROJECT NO:	2219
CAD DWG FILE:	Lee's Summit - Hangar 2.rvt
DESIGNED BY:	DM
DRAWN BY:	KP
CHECKED BY:	WAI
APPROVED BY:	WAI

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SHEET TITLE

DOOR/WINDOW SCHEDULE & DETAILS

A601

SHEET OF

4/4/2025 10:32:49 AM

FINISH SCHEDULE

ROOM NUMBER	ROOM NAME	FLOOR	BASE	WALL NORTH	WALL EAST	WALL SOUTH	WALL WEST	REMARKS
100	VESTIBULE	WOT-1	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	
101	ELEVATOR	CT-1	-	CMU-1	CMU-1	CMU-1	CMU-1	2
102	STAIR 2	SC-1	-	PNT-1	PNT-1	PNT-1	PNT-1	
103	STAIR 1	SC-1	-	PNT-1	PNT-2	PNT-1	PNT-1	
104	CORRIDOR	SC-1	RB-1	PNT-2	PNT-1	PNT-1	PNT-1	
105	WOMEN'S	CT-1	CTB-1	CT-2	WC-1	WC-1	CT-2	3
106	MEN'S	CT-1	CTB-1	CT-2	CT-2	WC-1	WC-1	3
107	LOBBY / WAITING	SC-1 / CPT-1	RB-1	PNT-4	PNT-1	PNT-1	PNT-1	
108	VENDING / COFFEE BAR	SC-1	RB-1	PNT-4	PNT-4	PNT-2	PNT-1	
109	RECEPTION / CAR RENTAL	SC-1	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	
110	VESTIBULE	WOT-1	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	
111	CORRIDOR	SC-1	RB-1	PNT-1	PNT-4	PNT-1	PNT-1	
112	FLIGHT PLANNING	SC-1	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	
113	ASSISTANT MANAGER	SC-1	RB-1	PNT-4	PNT-1	PNT-1	PNT-1	
114	LINE OFFICE	SC-1	RB-1	PNT-4	PNT-1	PNT-1	PNT-1	
115	JANITOR	SC-1	RB-2	FRP-1/PNT-1	PNT-1/FRP-1	PNT-1	PNT-1	4
116	STORAGE	SC-1	RB-2	PNT-1	PNT-1	PNT-1	PNT-1	
117	LAUNDRY	SC-1	RB-2	PNT-1	PNT-1	PNT-1	PNT-1	
118	MECH / ELEC	SC-1	RB-2	PNT-1	PNT-1	PNT-1	PNT-1	
119	LAUNDRY / STORAGE	SC-1	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	
120	FLIGHT SIMULATORS	SC-1	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	
121	ACTIVE LEARN LAB	SC-1	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	
122	WETROOM	SC-1	RB-2	PNT-5	PNT-5	PNT-5	PNT-5	1
123	RESTROOM	CT-4	CTB-2	CT-5	PNT-5	PNT-5	CT-5	
124	LEARNING STUDIO	CPT-1	RB-1	PNT-1	PNT-2	PNT-1	PNT-1	
125	OFFICE	CPT-1	RB-1	PNT-1	PNT-1	PNT-1	PNT-2	
126	HANGAR	PNT-9	-	-	-	-	-	5,6
127	GSE STORAGE	SC-1	-	-	-	-	-	5,6
201	ELEVATOR	CT-1	-	CMU-1	CMU-1	CMU-1	CMU-1	
202	STAIR 2	SC-1	-	PNT-1	PNT-1	PNT-1	PNT-1	
203	STAIR 1	SC-1	-	PNT-1	PNT-1	PNT-1	PNT-1	
204	CORRIDOR	SC-1	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	
205	CONFERENCE	CPT-2	RB-1	PNT-1	PNT-4	PNT-1	PNT-1	
206	OPEN OFFICE	CPT-1	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	
207	CORRIDOR	SC-1	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	
208	RESTROOM	CT-1	CTB-1	PNT-5	CT-2	CT-2	PNT-5	
209	JANITOR	SC-1	RB-2	PNT-1	PNT-1/FRP-1	PNT-1/FRP-1	PNT-1	4
210	RESTROOM	CT-1	CTB-1	PNT-5	PNT-5	CT-2	CT-2	
211	FUTURE OFFICE	CPT-1	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	
212	AIRPORT MANAGER	CPT-1	RB-1	PNT-1	PNT-1	PNT-2	PNT-1	
213	WORKROOM	SC-1	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	
214	BREAKROOM	SC-1	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	
215	I.T. CLOSET / MECH / ELEC	SC-1	RB-2	PNT-1	PNT-1	PNT-1	PNT-1	
216	PILOT LOUNGE	CPT-2	RB-1	PNT-4	PNT-4	PNT-1	PNT-4	
217	PILOT QUIET ROOM	CPT-2	RB-1	PNT-4	PNT-4	PNT-4	PNT-4	
218	DRONE PAD	CPT-1	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	
218	FLIGHT PLANNING	CPT-2	RB-1	-	PNT-1	PNT-1	PNT-4	
219	OFFICE	CPT-1	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	
220	CONFERENCE / CLASSROOM	CPT-1	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	
221	STORAGE	SC-1	RB-2	PNT-1	PNT-1	PNT-1	PNT-1	
222	MECH / ELEC	SC-1	RB-2	PNT-1	PNT-1	PNT-1	PNT-1	
223	I.T. ROOM	SC-1	RB-2	PNT-1	PNT-1	PNT-1	PNT-1	
224	DRONE STORAGE	CPT-1	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	

FINISH SCHEDULE REMARKS KEY

1. EPOXY PAINT ON COLUMN
2. ELEVATOR STRUCTURE CMU-1, CT-1 FLOORING IN CAB, WITH ELE-1 CAB FINISHES
3. CT-3 MOSAIC BEHIND SINKS, PER ELEVATIONS
4. FRP-1 AT MOP BASIN @ A HEIGHT OF 8'-0" AFF - EXTEND 3' OUT EITHER DIRECTION OF MOP BASIN AS ALLOWED.
5. PREFINISHED LINER PANEL (WHITE) AND PAINTED COLUMNS PER PLAN NOTES
6. PAINT CMU WALL TO MATCH LINER PANEL

FINISH LEGEND

Symbol	Manufacturer	Series/Pattern	Number	Color	Remarks
Carpet Tile					
CPT-1	Shaw Commercial	Flat Weave/Community	ST321 - 01518/01519	Raid / Raid Marjorelle	9 In x 36 in, 1:5 Ratio Stagger Installation - Mostly Netural Raid Color
CPT-2	Shaw Commercial	Flat Weave/Community	ST321 - 01500/01501	Souk / Souk Mosaic	9 In x 36 in, 1:5 Ratio Staggar Installation - Mostly Netural Souk Color
Ceilings					
CLG-1	Armstrong	Optima	3250	White	24" x 24" x 5/8" in 15/16" Prelude grid system with 1 15/16" Axiom Classic Trim in White
CLG-2	Armstrong	Optima	3250	White	24" x 24" x 5/8" in 15/16" Prelude grid system
CLG-3	GYPSUM WALL BRD			Painted per RCP	Hard Lid Ceiling
CLG-4	GYPSUM WALL BRD	Water Resistant		Painted per RCP	Wet area ceilings
CLG-5	Armstrong	Woodworks Linear Solid Wood	8177W1	Golden Maple	12" x 96' Prelude 15/16 Black grid system with 1 15/16" Axiom Classic Trim in Etched Gun Metal
CLG-6	INTERIOR LINER PANEL			White	Perforated, 29 Guage, by PEMB Supplier at underside of roof insulation
Ceramic Tile					
CT-1	Anatolia	La Marca	ANALMNV2424H	Nero Venato	24" x 24" Rectified, Honed
CT-2	Anatolia	La Marca	ANALMNV1224H	Nero Venato	12" x 24" Rectified, Honed
CT-3	Anatolia	La Marca	ANALMNVMOS22H	Nero Venato	2" x 2" Rectified, Honed
CT-4	Anatolia	La Marca	ANALMPA2424H	Paradiso Argento	24" x 24" Rectified, Honed, School Side RR
CT-5	Anatolia	La Marca	ANALMPA1224H	Paradiso Argento	12" x 24" Rectified, Honed, School Side RR
Ceramic Tile Base					
CTB-1	Anatolia	La Marca	ANALMNVBN312H	Nero Venato	3" x 12" Bullnose, Honed
CTB-2	Anatolia	La Marca	ANALMPABN312H	Paradiso Argento	3" x 12" Bullnose, Honed, School Side RR
Door Wood Finish					
WD-1	VT			Cherry Clear	Doors
Elevator					
ELE-1	Schinlder		3100	Tupelo Taupe - Prime	Interior Elevator Finish
Fiberglass Reinforced Panel					
FRP-1	Marlite		P 151	Light Gray	
Ground Face Masonry Unit					
CMU-1	Trenwyth Masonry	Trendstone		Shadow Gray	8"X16" CMU WITH INTEGRAL 8" SCORE PATTERN AND MORTAR MATCHING CMU FINISH COLOR, RAKE ALL MORTAR JOINTS TO ALIGN WITH CMU SCORE PATTERN
Grout					
G-1	Mapei			Charcoal 47	
G-2	Mapei			Charcoal 47	School Side RR
High Pressure Laminate					
HPL-1	Arborite		W2001-AW	Artisian Natural Walnut	Cabinets, Front Desk
HPL-2	Formica		6126-58	Sheer Fabric	Back Counters
HPL-3	Formica		8909-NG	Cascara Teakwood	RR Partitions
Interior Door Frames					
IDF-1	Sherwin Williams		SW7069	Iron Ore	Match PNT-3
Paint					
PNT-1	Sherwin Williams	Eggshell	SW7064	Passive	PER FINISH PLANS
PNT-2	Sherwin Williams	Eggshell	SW9163	Tin Lizzie	PER FINISH PLANS
PNT-3	Sherwin Williams	Eggshell	SW7069	Iron Ore	EXPOSED STRUCTURE, STAIR, AND RAILINGS PER DETAILS
PNT-4	Sherwin Williams	Eggshell	SW6517	Kegafro	PER FINISH PLANS
PNT-5	Sherwin Williams	Epoxy Paint	SW7064	Passive	PER RCP
PNT-6	Sherwin Williams	Dryfall	SW7004	Snowbound	HARD LID CEILINGS/SOFFITS PER RCP
PNT-7	Sherwin Williams	Dryfall	SW9163	Tin Lizzie	HARD LID CEILINGS/SOFFITS PER RCP
PNT-8	Sherwin Williams	Dryfall	SW7069	Iron Ore	EXPOSED STRUCTURE/BEAMS
PNT-9	SikaFloor Multidur HS	Epoxy	-	White	HANGAR FLOOR
PNT-10	Sherwin Williams		SM9500	Safety Red	AT FRONT FACES OF PEMB COLUMNS UP TO HEIGHT OF 28-0"
Resilient Base					
B-1	Johnsonite	4" Mandalay	TA4	Gateway WG	
B-2	Johnsonite	4" Standard	TA4	Gateway WG	
Roller Shade Cloth					
RC-01	Mecho	1100 Series	1119	Silver Birch 1% open	Select windows in school space
RC-02	Mecho	700 Series	0702	Light Gray Blackout	Select interior windows in school space
Schluter					
SCH-1				Clear Anodized Aluminum	
Sealed Concrete					
SC-1		Sealed Concrete			WITH CLEAR SEALER, CONCRETE FLOORS TO BE FREE OF BUMPS, PITS, OR SCRAPES
Solid Surface					
SS-1	Formica	Everform	109	Brite White	
SS-2	Bradley	Terreon		Alpine White	Bradley OmniDeck with WashBar Duo
Steel Railings					
SR-1					Match PNT-3
Walkoff Tile					
WOT-1	Shaw Commercial	Swift/All Access	ST414/14549	Step	24" X 24"
Wall Covering					
WC-1	MDC	Scribble	W92D01	Cloudy Ink	

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1301 BURLINGTON STREET
NORTH KANSAS CITY, MO 64116

LEE'S SUMMIT MUNICIPAL AIRPORT
LEE'S SUMMIT AIRPORT

EASTSIDE DEVELOPMENT
CITY PROJECT NO. - 47732472

Julie Black Wellner - Architect - MO #A-5006
STATE OF MISSOURI
JULIE BLACK WELLNER
NUMBER A-5006
REGISTERED ARCHITECT
MO Certificate of Authority #000767

09-29-2023

LEES SUMMIT MUNICIPAL AIRPORT
LEES SUMMIT, MO

MARK	DATE	DESCRIPTION
11	4/1/25	PR 09
3	6/07/24	REV-3
2	3/29/24	REV-2

PROJECT NO:	2219
CAD DWG FILE:	Lee's Summit - Hangar 2.rvt
DESIGNED BY:	HM
DRAWN BY:	HM
CHECKED BY:	WAI
APPROVED BY:	WAI

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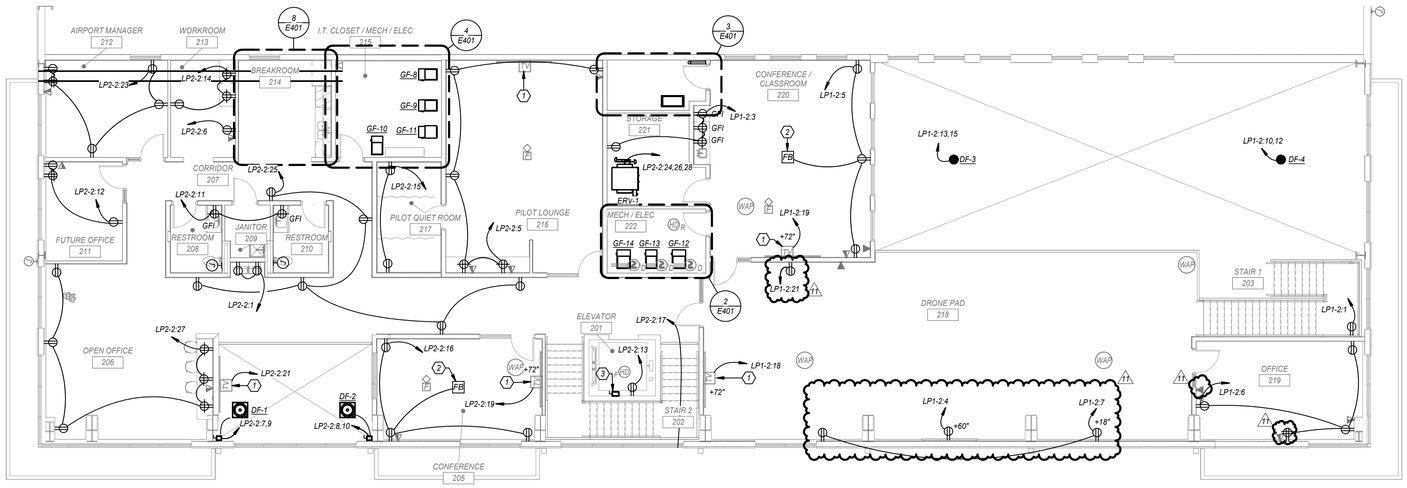
SHEET TITLE
FINISH SCHEDULE

A610
SHEET OF

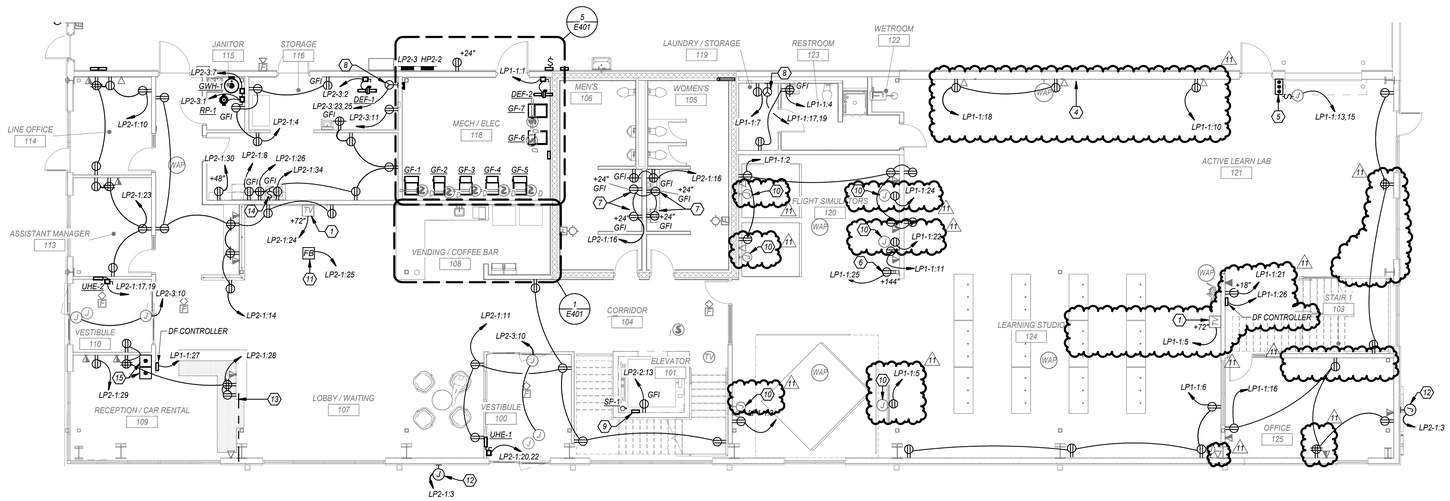
4/4/2025 10:32:50 AM

ELECTRICAL KEYNOTES

1. PROVIDE TV OUTLET EQUAL TO LEGRAND# TV3WTVSSW WITH CONDUIT TO ABOVE ACESSIBLE CEILING PER AV INFRASTRUCTURE DETAIL. COORDINATE ALL DEVICE REQUIREMENTS WITH OWNER. REFER TO ARCHITECTURAL PLANS FOR EXACT MOUNTING HEIGHTS. REFER TO DETAIL 8/E602 FOR ADDITIONAL INFORMATION.
2. COMBINATION POWER/DATA POKE-THRU FLOOR BOX. PROVIDE LEGRAND 6AT SERIES OR EQUIVALENT WITH COVER PLATE. TWO (2) DUPLEX RECEPTACLES, DATA ACTIVATIONS, AND AV CABLING FEED THROUGH. PROVIDE ONE (1) 3/4" CONDUIT FOR POWER AND ONE (1) 1-1/4" CONDUIT FOR DATA. REFER TO SYSTEMS PLANS FOR ADDITIONAL INFORMATION ON DATA CONDUIT ROUTING REQUIREMENTS.
3. NON-FUSED, ENCLOSED, EXTERNALLY-OPERABLE MOTOR DISCONNECT CAPABLE OF BEING LOCKED IN THE OPEN POSITION. THIS SWITCH IS TO BE IN LINE OF SIGHT OF THE MOTOR CONTROLLER.
4. NOT USED.
5. PROVIDE START/STOP PUSH BUTTON FOR COILING OVERHEAD DOOR PER MANUFACTURER REQUIREMENT.
6. PROVIDE CORD AND REEL WITH TRIPLE TAP OUTLET EQUAL TO HUBBELL HBLC49TRIT. REEL SHALL BE MOUNTED TO STRUCTURAL COLUMN OR FROM STRUCTURE ABOVE AT 12'-0" A.F.F.
7. PROVIDE RECEPTACLE ABOVE CEILING FOR LOW VOLTAGE POWER TO FLUSH VALVES. PROVIDE RECEPTACLE FOR LAVATORIES PER MANUFACTURER.
8. PROVIDE NEMA 14-30R OR 10-30R RECEPTACLE WITH (3)-#10 AND (1)-#10 GROUND IN 3/4" CONDUIT FOR DRYER. REFER TO MANUFACTURER AND PROVIDE EXACT REQUIREMENTS.
9. SUMP PUMP ALARM PANEL. PROVIDE (1) 2" CONDUIT WITH PULL STRING FROM SUMP PUMP ALARM PANEL STUBBED INTO ELEVATOR PIT FOR ROUTING OF POWER AND CONTROL CABLE TO SUMP PUMP.
10. PROVIDE BOX WITH 1-1" CONDUIT WITH (2) HDMI CABLE TO CEILING MOUNTED TV FOR HDMI CONNECTION. COORDINATE WITH OWNER AND ARCHITECT FOR ALL REQUIREMENTS PRIOR TO INSTALLATION. PROVIDE HDMI TERMINATIONSPLATES AND ALL REQUIRED DEVICES FOR A COMPLETE SYSTEM. CIELING DEVICES SHALL BE MOUNTED ABOVE, AT THE STRUCTURE OR CEILING.
11. COMBINATION POWER/DATA FLOOR BOX. PROVIDE LEGRAND R18 SERIES OR EQUIVALENT WITH COVER PLATE. TWO (2) DUPLEX RECEPTACLES, DATA ACTIVATIONS, AND AV CABLING FEED THROUGH. REFER TO FLOOR BOX DETAIL AND SYSTEMS PLANS FOR ADDITIONAL INFORMATION.
12. PROVIDE POWER ROUGH IN FOR SIGN LIGHTING.
13. ROUTE CONDUIT BELOW FLOOR AND STUB UP IN CASEWORK. COORDINATE EXACT LOCATION WITH CASEWORK.
14. ROUTE CIRCUIT FOR GARBAGE DISPOSAL OUTLET THROUGH TOGGLE SWITCH.
15. PROVIDE 1" CONDUIT AND JUNCTION BOX FOR (2) DESK MOUNTED PUSH BUTTONS. CONDUIT SHALL BE ROUTED BACK TO ACCESS CONTROLS FOR LOW VOLTAGE WIRING. COORDINATE ALL REQUIREMENTS WITH ACCESS CONTROLS PROVIDER AND OWNER.



POWER SECOND FLOOR PLAN (2)
1/8" = 1'-0"



POWER FIRST FLOOR PLAN (1)
1/8" = 1'-0"

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1301 BURLINGTON STREET
NORTH KANSAS CITY, MO 64116

LEE'S SUMMIT MUNICIPAL AIRPORT
LEE'S SUMMIT, MISSOURI

EASTSIDE DEVELOPMENT
CITY PROJECT NO. - 47732472

STATE OF MISSOURI
TIMOTHY DANNER
NUMBER PE-2019031265
PROFESSIONAL ENGINEER

03-29-2024

LEES SUMMIT MUNICIPAL AIRPORT AUTHORITY
LEES SUMMIT, MO

MARK	DATE	DESCRIPTION
12	4/1/25	PR 10
11	4/2/25	PR 09

PROJECT NO:	022-04268
CAD DWG FILE:	Lee's Summit - Hangar 2.rvt
DESIGNED BY:	SH
DRAWN BY:	OH
CHECKED BY:	AF
APPROVED BY:	TWD

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SHEET TITLE
POWER FLOOR PLANS

E201
SHEET OF

4/4/2025 10:28:18 AM

GENERAL SHEET NOTES

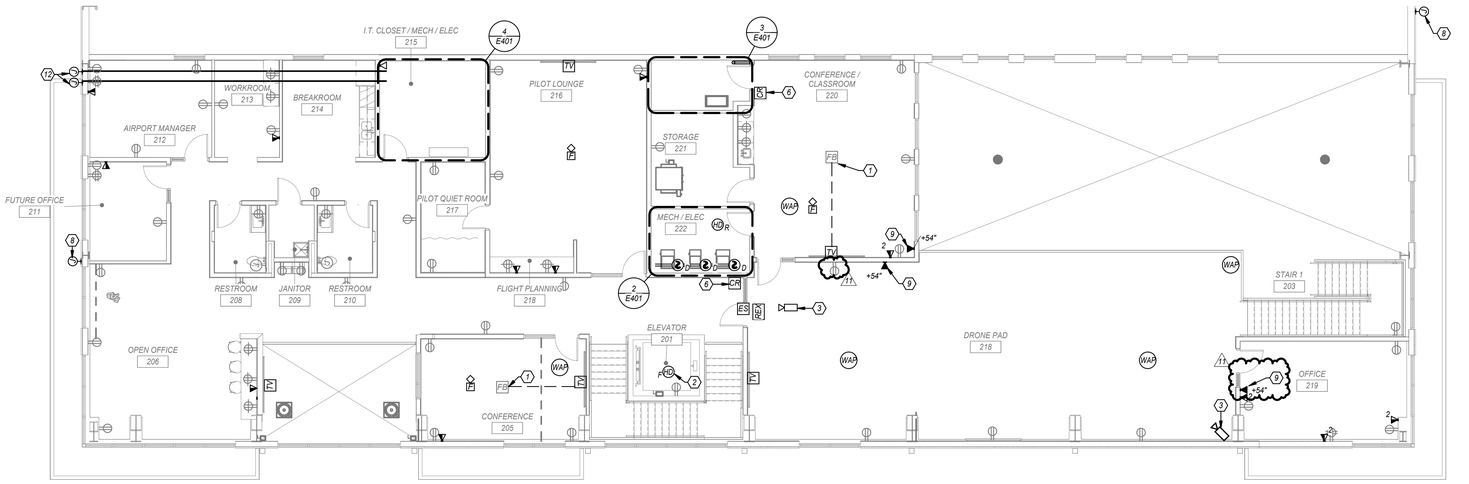
A. WHERE TELE/DATA OUTLET SYMBOL IS SHOWN PROVIDE BACK BOX AND CONDUIT ROUGH IN TO ABOVE ACCESSIBLE CEILING. REFER TO COMMUNICATION ROUGH-IN DETAIL FOR ADDITIONAL INFORMATION.

B. COORDINATE ALL TELECOMM/DATA DEVICE LOCATION AND MOUNTING HEIGHTS WITH OWNER/ARCHITECT PRIOR TO INSTALLATION.

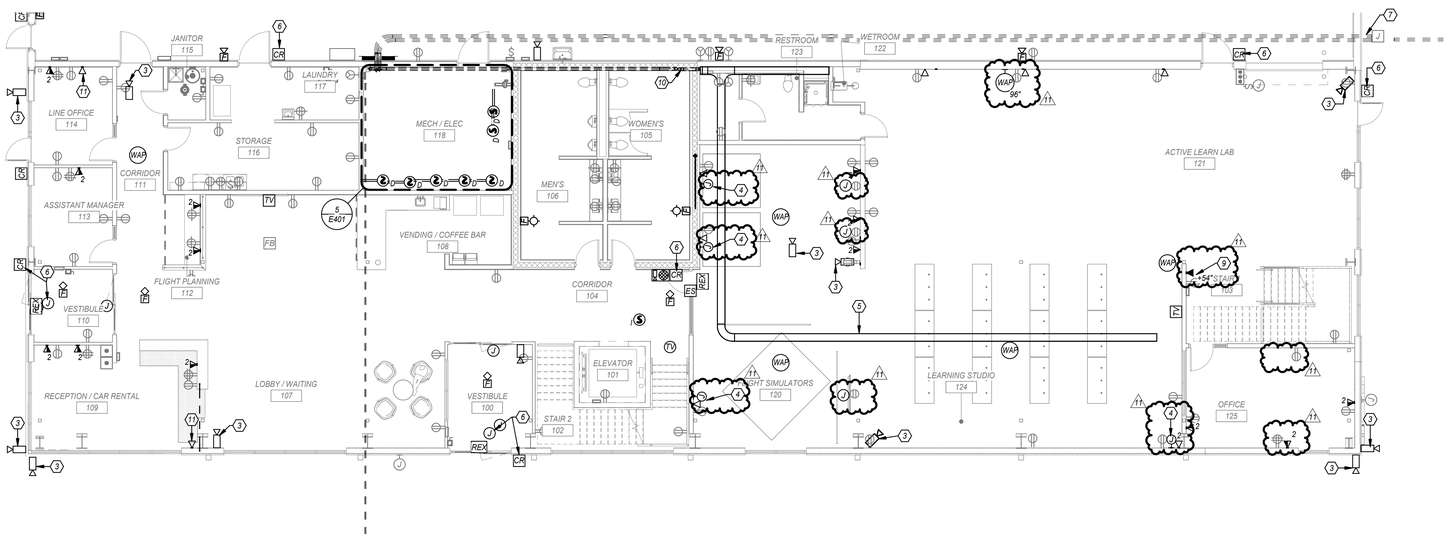
C. PROVIDE TRACER WIRE WITH PULL STRINGS.

⬡ ELECTRICAL KEYNOTES

1. PROVIDE 1-1/4" CONDUIT FROM FLOOR BOX/POKE-THRU TO TV OUTLET LOCATION FOR DATA AND AV CABLING.
2. HEAT DETECTOR IN ELEVATOR 9'4FT1 WITHIN 2FT OF SPRINKLER HEAD. REFER TO ELEVATOR INTERLOCK WITH FIRE ALARM DETAIL FOR ADDITIONAL INFORMATION. COORDINATE LOCATION WITH SPRINKLER PROVIDER.
3. PROVIDE JUNCTION BOX AND 3/4" CONDUIT ROUGH IN FOR CAMERA. ROUTE CONDUIT BACK TO IT ROOM. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH OWNER AND SECURITY PROVIDER. IN AREAS WITH NO ABOVE CEILING ROUTE CONDUIT HIGH AND TIGHT TO STRUCTURE ABOVE.
4. PROVIDE BOX WITH 1-1/4" CONDUIT WITH TWO (2) HDMI CABLES TO CEILING MOUNTED TV FOR HDMI CONNECTION. COORDINATE WITH OWNER AND ARCHITECT FOR ALL REQUIREMENTS PRIOR TO INSTALLATION. PROVIDE HDMI TERMINATIONS/PLATES AND ALL REQUIRED DEVICES FOR A COMPLETE SYSTEM. CIELING DEVICES SHALL BE MOUNTED ABOVE, AT THE STRUCTURE OR CIELING.
5. 2-2"x4" WIRE MESH CABLE TRAY ABOVE ACCESSIBLE CEILING.
6. PROVIDE POWER ROUGH IN FOR CARD READER. REFER TO ACCESS CONTROL DETAIL FOR ADDITIONAL INFORMATION.
7. (2)-4" EMPTY CONDUITS ROUTED BELOW GRADE FROM TELECOM JUNCTION BOX AND STUBBED UP IN ELECTRICAL ROOM. CAP CONDUITS WITH PULL STRINGS. COORDINATE EXACT LOCATION OF JUNCTION BOX WITH TELECOM SERVICE PROVIDER. PROVIDE TRACER WIRE WITH PULL STRINGS. ROUTE CONDUITS TO SERVICE PROVIDER DEMARC LOCATION. COORDINATE LOCATION WITH SERVICE PROVIDER.
8. MOUNT SINGLE BOX AT 15'-0" A.F.G. WITH 1" CONDUIT WITH CAT 6A ROUTED WITHIN STRUCTURE FOR OWNER SUPPLIED EXTERIOR WIFI BOOSTER EQUAL TO CISCO CATALYST 9166 SERIES WITH BRACKET AND ARM. REFER TO MANUFACTURER FOR MOUNTING REQUIREMENTS. PROVIDE BLOCKING AS REQUIRED. COORDINATE EXACT LOCATION WITH ONWER AND ARCHITECT.
9. PROVIDE DOUBLE GANGE BACK BOX WITH 4" LUG SPACING MATCHING PHONE HARDWARE. REFER TO PHONE MANUFACTURER FOR EXACT MOUNTING REQUIREMENTS. PHONE OWNER SUPPLIED. CONTRACTOR INSTALLED. COORDINATE LOCATION WITH OWNER AND ARCHITECT.
10. ROUTE (2)-4" EMPTY CONDUIT TO ABOVE CEILING ON FIRST FLOOR BELOW AND PROVIDE FIRE RATED PENETRATION THRU FIRE WALL. CONDUIT TO STUB OUT WALL TO CABLE TRAY ABOVE CEILING ON FIRST FLOOR.
11. ROUTE (1)-1" EMPTY CONDUIT WITH PULL STRINGS TO ROOF FOR COAX CABLING TO ANTENNA. PROVIDE COAX OUTLET WHERE SHOWN. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH OWNER.
12. MOUNT SINGLE BOX AT +35'-0" A.F.G. WITH 1" CONDUIT ROUTED TO LOCATIONS SHOWN ON FIRST FLOOR FOR OWNER RELOCATED ANTENNA. PROVIDE BLOCKING AS REQUIRED. COORDINATE EXACT LOCATION WITH OWNER. PROVIDE GROUNDING PER NEC.



SYSTEMS SECOND FLOOR PLAN (2)
1/8" = 1'-0"



SYSTEMS FIRST FLOOR PLAN (1)
1/8" = 1'-0"

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LEE'S SUMMIT MUNICIPAL AIRPORT
LEE'S SUMMIT, MISSOURI

EASTSIDE DEVELOPMENT
CITY PROJECT NO. - 47732472

STATE OF MISSOURI
TIMOTHY DANNER
NUMBER PE-2019031265
PROFESSIONAL ENGINEER

03-29-2024

LEES SUMMIT MUNICIPAL AIRPORT AUTHORITY
LEES SUMMIT, MO

MARK	DATE	DESCRIPTION
12	4/1/25	PR 10
11	4/2/25	PR 09
6	11/8/24	PR-07

PROJECT NO:	022-04268
CAD DWG FILE:	Lee's Summit - Hangar 2.rvt
DESIGNED BY:	SH
DRAWN BY:	OH
CHECKED BY:	AF
APPROVED BY:	TWD

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SHEET TITLE
SYSTEMS FLOOR PLANS

E301
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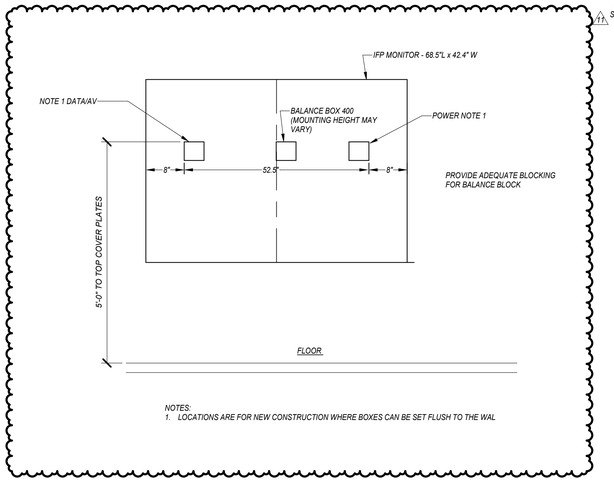
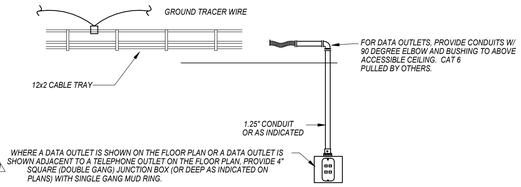


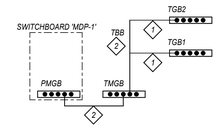
NOTES:
1. LOCATIONS ARE FOR NEW CONSTRUCTION WHERE BOXES CAN BE SET FLUSH TO THE WAL

TYPICAL IFP POWER & DTATA/AV ELEVATION 8
NOT TO SCALE



A) TYPICAL COMMUNICATION WALL

COMMUNICATION ROUGH-IN DETAIL 4
NOT TO SCALE



TBBIBC - TELECOMMUNICATIONS BONDING BACKBONE INTERCONNECTING BONDING CONDUCTOR
PBBIBC - POWER BONDING BACKBONE INTERCONNECTING BONDING CONDUCTOR

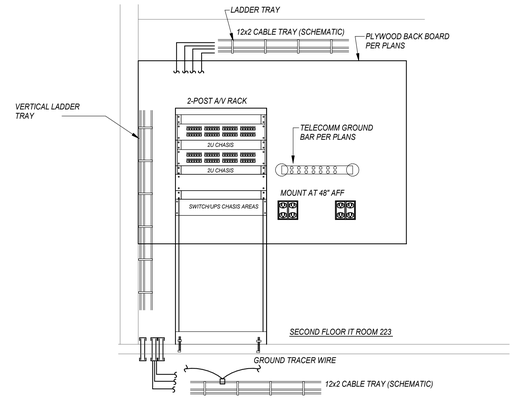
PMGB - POWER MAIN GROUNDING BUSBAR
TMGB - TELECOMMUNICATIONS MAIN GROUNDING BUSBAR
TGB - TELECOMMUNICATIONS GROUNDING BUSBAR

TBB - TELECOMMUNICATIONS BONDING BACKBONE (CONDUCTOR IS TO BE CONTINUOUS FROM TMGB TO THE VERY LAST TGB, NO SPLICES)

◇ DETAIL KEYNOTES

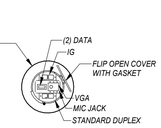
1. BONDING CONDUCTOR (#6 INSULATED THHN) BETWEEN TBB AND TGB MUST BE CONTINUOUS AND MUST BE ROUTED IN THE SHORTEST, STRAIGHT LINE PATH POSSSIBLE.
2. #1 INSULATED THHN.

GROUND BAR DIAGRAM 3
NOT TO SCALE

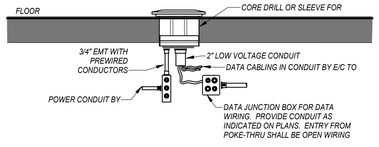


TELECOM DETAIL 6
NOT TO SCALE

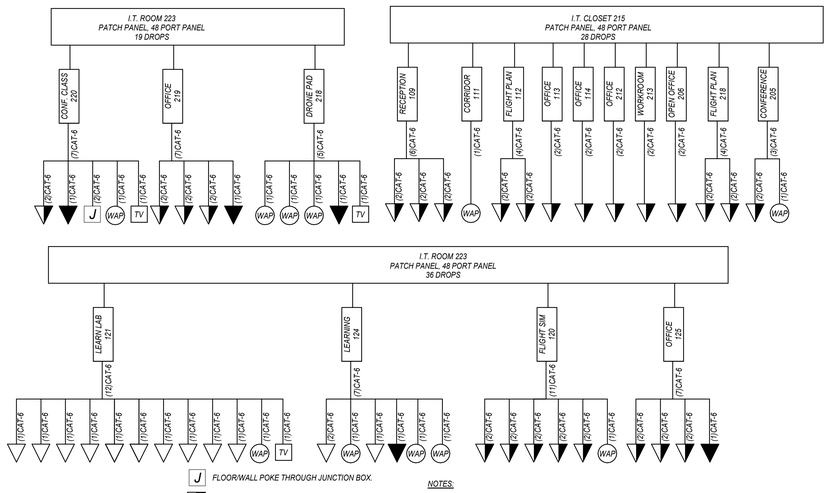
WHERE A COMBINATION POKE-THRU IS SHOWN ON THE PLAN, PROVIDE WIREMOLD EVOLUTION SERIES, FIRE RATED, MODEL 6ATCPBK, WITH BLACK ALUMINUM COVER, 3-1/4" RECESSED DEVICES, TWO SIDE STANDARD DUPLEXES (6SREC), AND 6MAAP2A CENTER MOUNT PLATE WITH TWO COMMUNICATION KEYSTONE JACKS, AND OPEN SLOT FOR OWNER A/V (TBD). PROVIDE 575CHA BOTTOM HOUSING ASSEMBLY FOR POWER SIDE COMPARTMENTS AND 1125CHA 1.25" CONDUIT BOTTOM HOUSING ASSEMBLY FOR LOW VOLTAGE CENTER SECTION. COVER SHALL BE SURFACE STYLE TO SIT ON TOP OF FLOOR COVERING (CARPET, TILE, WOOD). EQUAL BY HUBBELL, STEEL CITY, RACEWAY COMPONENTS



PLAN VIEW



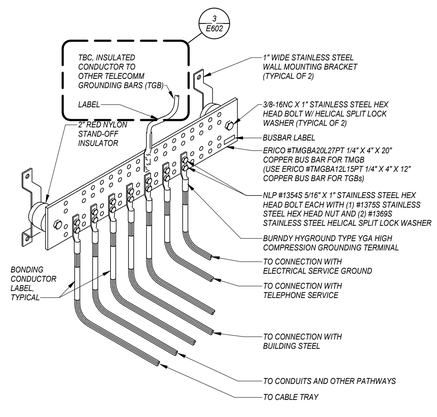
POKE-THRU ROUGH IN 2
NOT TO SCALE



J FLOOR/WALL POKE THROUGH JUNCTION BOX.
COMBINATION DATA/TELEPHONE
DATA OUTLET; NUMBER INDICATES QUANTITY, BLANK INDICATES SINGLE OUTLET.
TELE PHONE OUTLET: NUMBER INDICATED QUANTITY, BLANK INDICATES SINGLE OUTLET.
WAP WIRELESS ACCESS POINT DATA OUTLET
TV TV DATA OUTLET

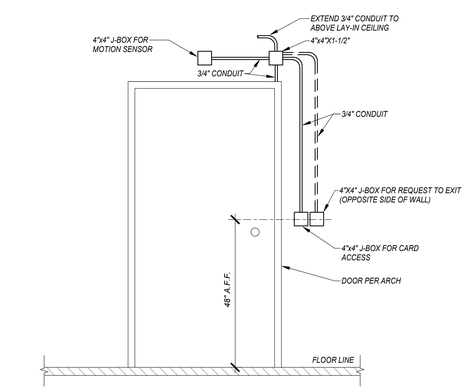
NOTES:
1. INSTALL CONDUIT AS INDICATED THROUGH WALLS WHERE APPLICABLE ON PLANS.
2. INSTALL CABLE IN CABLE TRAY WHERE INDICATED ON PLAN.
3. REMAINDER OF DATA CABLE SHALL BE INSTALLED IN J-HOOKS EXCEPT WHERE INDICATED OTHERWISE ON PLAN.
4. DETAIL IS SCHEMATIC. REFERENCE SPECIFICATIONS AND DRAWINGS FOR ADDITIONAL INFORMATION.

TELECOMM RISER DIAGRAM 7
NOT TO SCALE



NOTES:
A. REFER TO ELECTRICAL ROOM PLANS FOR BUSBAR MOUNTING
B. REFER TO SPECIFICATIONS FOR ALL REQUIREMENTS.

TELECOMM GROUND BAR (TMGB/TGB) 5
NOT TO SCALE



NOTES:
A. PROVIDE CARD READER AND MOTION SENSOR DEVICES AS SHOWN ON POWER PLAN.
B. PROVIDE CONNECTION TO EXISTING SECURITY SYSTEM.

ACCESS ROUGH-IN 1
NOT TO SCALE

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NORTH KANSAS CITY, MO 64116

LEE'S SUMMIT MUNICIPAL AIRPORT
LEE'S SUMMIT, MISSOURI

EASTSIDE DEVELOPMENT
CITY PROJECT NO. - 47732472

STATE OF MISSOURI
TIMOTHY DANNER
NUMBER PE-2010031265
PROFESSIONAL ENGINEER

03-29-2024

LEES SUMMIT MUNICIPAL AIRPORT AUTHORITY
LEES SUMMIT, MO

MARK	DATE	DESCRIPTION
11	4/2/25	PR 09

PROJECT NO:	022-04268
CAD DWG FILE:	Lee's Summit - Hangar 2.rvt
DESIGNED BY:	SH
DRAWN BY:	OH
CHECKED BY:	AF
APPROVED BY:	TWD

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SHEET TITLE
ELECTRICAL DETAILS

E602
SHEET OF

4/2/2025 12:39:19 PM

Distribution: DP-1

MAINS TYPE: MCB
OCPD RATING: 350A
AIC RATING: 10K
SERVICE VOLTAGE: 208Y/120V 3PH, 3-Phase, 4-Wire
LOCATION: MECH / ELEC 118
MOUNTING: SURFACE
FED FROM ID: TF1

NOTES:

LOAD DESCRIPTION	CKT NO.	P	A	B	C	NOTES
SPD	1	1	--			REFER TO ONE-LINE
LP1-1	2	3	7529.7	3020.0	6940.0	REFER TO ONE-LINE
LP1-2	3	3	5622.5	4965.0	6936.5	REFER TO ONE-LINE
SPARE	4	1	0.0			REFER TO ONE-LINE
	5					
	6					
Total Load:			13.2 kVA	8.0 kVA	13.9 kVA	
Total Amps:			116.2 A	66.5 A	122.3 A	

Load Classification	Connected...	Demand...	Estimated...	Panel Totals	
HVAC	9587 VA	100.00%	9587 VA		
Motor	2850 VA	113.16%	3225 VA	Total Conn. Load:	35.0 kVA
Other	1450 VA	100.00%	1450 VA	Total Conn. Current:	97.2 A
Power	1127 VA	100.00%	1127 VA	Total Est. Demand:	30.39 kVA
Receptacle	20000 VA	75.00%	15000 VA	Total Est. Demand...	84.4 A
				Future Load Growth:	
				Min. Panel Rating...	
				Adjusted Demand...	
				Total Adjusted Deman...	

Distribution: MDP-1

MAINS TYPE: MLO
OCPD RATING: 400A
AIC RATING: 42K
SERVICE VOLTAGE: 480Y/277V Wye, 3-Phase, 4-Wire
LOCATION: HANGAR 126
MOUNTING:
FED FROM ID:

NOTES:

LOAD DESCRIPTION	CKT NO.	P	A	B	C	NOTES
SPD	1	1	--			REFER TO ONE-LINE
HP1-1	2	3	17526.0	15617.0	14876.0	REFER TO ONE-LINE
DP1 VIA TF-1	3	3	13152.2	7985.0	13876.5	REFER TO ONE-LINE
SPARE	4	1	0.0			REFER TO ONE-LINE
	5					
	6					
Total Load:			30.7 kVA	23.6 kVA	28.8 kVA	
Total Amps:			113.6 A	85.2 A	106.7 A	

Load Classification	Connected...	Demand...	Estimated...	Panel Totals	
HVAC	11087 VA	100.00%	11087 VA		
HVAC_Cooling	27402 VA	100.00%	27402 VA	Total Conn. Load:	83.0 kVA
Lighting	3391 VA	125.00%	4239 VA	Total Conn. Current:	99.9 A
Motor	18576 VA	123.18%	22883 VA	Total Est. Demand:	83.19 kVA
Other	1450 VA	100.00%	1450 VA	Total Est. Demand...	100.1 A
Power	1127 VA	100.00%	1127 VA	Future Load Growth:	
Receptacle	20000 VA	75.00%	15000 VA	Min. Panel Rating...	
				Adjusted Demand...	
				Total Adjusted Deman...	

PANEL LP1-1
VOLTAGE 208Y/120V 3PH
MCB OR MLO MLO
FED FROM DP-1
PHASE BUS RATING 225 A
AIC RATING 10K
LOCATION MECH / ELEC 118
MOUNTING SURFACE
NO. OF POLES 42

NOTE	LOAD DESCRIPTION	AMP	P	CKT. NO.	A		B		C		CKT. NO.	P	AMP	LOAD DESCRIPTION	NOTE
	DEF-2	20 A	1	1	90	360					2	1	20 A	RECEPT: RM - 120	
	RECEPT: FLIGHT SIMULATOR	20 A	1	3			180	360			4	1	20 A	RECEPT: STORAGE - 119/ RESTROO...	
	RECEPT: PROJECTOR - 124	20 A	1	5					1180	720	6	1	20 A	RECEPT: RM - 124	
	RECEPT - WASHER - 119	20 A	1	7	1000	1500					8	1	20 A	GF-6	
	RECEPT: STAIR 1 - 103	20 A	1	9			360	180			10	1	20 A	RECEPT: RM - 121	
	RECEPT: COPIER -120	20 A	1	11					1000	1500	12	1	20 A	GF-7	
	COILING DOOR -121	20 A	2	13	500	900					14	1	20 A	RECEPT MECH/ELEC 118	
--	--	--	--	15			500	900			16	1	20 A	RECEPT: RM - 125	
	RECEPT DRYER	20 A	2	17					2000	360	18	1	20 A	RECEPT: RM - 122	
--	--	--	--	19	2000	0					20	1	20 A	SPARE	
	RECEPT: REELS 5	20 A	1	21			180	180			22	1	20 A	RECEPT: TV	
				23						180	24	1	20 A	RECEPT: TV	
	RECEPT: REELS 1	20 A	1	25	1000	180					26	1	20 A	DF CONTROLLER	
	DF CONTROLLER	20 A	1	27			180	0			28	1	20 A	SPARE	
	SPARE	20 A	1	29					0	0	30	1	20 A	SPARE	
	SPARE	20 A	1	31	0	0					32	1	20 A	SPARE	
	SPARE	20 A	1	33			0	0			34	1	20 A	SPARE	
	SPARE	20 A	1	35					0	0	36	1	20 A	SPARE	
	SPD	30 A	3	37	0	0					38	1	20 A	SPARE	
--	--	--	--	39			0	0			40	1	20 A	SPARE	
--	--	--	--	41					0	0	42	1	20 A	SPARE	
					KVA	7.529...	KVA	3.02	KVA	6.94					
					AMPS	68	AMPS	25	AMPS	63					

LOAD CLASSIFICATIONS	CONNECTED (VA)	DEMAND FACTOR	DEMAND (VA)
HVAC	1860 VA	100.00%	1860 VA
Motor	2500 VA	115.00%	2875 VA
Other	1090 VA	100.00%	1090 VA
Receptacle	12040 VA	91.53%	11020 VA

CONNECTED LOAD: 17.48... 49
MAXIMUM DEMAND: 16.84... 47

NOTES:
AFCI - ARC FAULT CIRCUIT INTERRUPTION TYPE CIRCUIT BREAKER
CZ# - CONTROL ZONE NUMBER FOR REMOTE CONTROL
BMS# - ROUTE CIRCUIT THROUGH BUILDING MANAGEMENT SYSTEM
GFCI - GROUND FAULT CIRCUIT INTERRUPTING TYPE CIRCUIT...
GFPE - GROUND FAULT PROTECTION EQUIPMENT CIRCUIT BREAKER
HLO - HANDLE LOCK ON DEVICE FOR CIRCUIT BREAKER
HPL- PADLOCK ATTACHMENT TO LOCK C/B HANDLE IN OPEN...

PANEL HP1-1
VOLTAGE 480Y/277V Wye
MCB OR MLO MLO
FED FROM MDP-1
PHASE BUS RATING 225 A
AIC RATING 30K
LOCATION I.T. CLOSET / MECH / ELEC...
MOUNTING SURFACE
NO. OF POLES 24

NOTE	LOAD DESCRIPTION	AMP	P	CKT. NO.	A		B		C		CKT. NO.	P	AMP	LOAD DESCRIPTION	NOTE
	LTG:- FLITE SIMULATORS	20 A	1	1	1340	228					2	1	20 A	LTG: LEARN LAB	
	LTG: CONF - 220 / IT/MECH/ELEC	20 A	1	3			741	0			4	1	20 A	SPARE	
	CU-2a	35 A	3	5					5742	0	6	1	20 A	LI-3	
--	--	--	--	7	5742	4567					8	3	25 A	CU-2b	
--	--	--	--	9			5742	4567			10	--	--	--	--
	CU-2c	25 A	3	11					4567	4567	12	--	--	--	--
--	--	--	--	13	4567	0					14	1	20 A	SPARE	
--	--	--	--	15			4567	0			16	1	20 A	SPARE	
	SPARE	20 A	1	17					0	0	18	1	20 A	SPARE	
	SPD	30 A	3	19	0	0					20	1	20 A	SPARE	
--	--	--	--	21			0	0			22	1	20 A	SPARE	
--	--	--	--	23					0	0	24	1	20 A	SPARE	
					KVA	17.526	KVA	15.617	KVA	14.876					
					AMPS	64	AMPS	57	AMPS	54					

LOAD CLASSIFICATIONS	CONNECTED (VA)	DEMAND FACTOR	DEMAND (VA)
HVAC_Cooling	27402 VA	100.00%	27402 VA
Lighting	3391 VA	125.00%	4239 VA
Motor	17226 VA	125.00%	21533 VA
Other	0 VA	0.00%	0 VA

CONNECTED LOAD: 48.019 58
MAXIMUM DEMAND: 53.17... 64

NOTES:
AFCI - ARC FAULT CIRCUIT INTERRUPTION TYPE CIRCUIT BREAKER
CZ# - CONTROL ZONE NUMBER FOR REMOTE CONTROL
BMS# - ROUTE CIRCUIT THROUGH BUILDING MANAGEMENT SYSTEM
GFCI - GROUND FAULT CIRCUIT INTERRUPTING TYPE CIRCUIT...
GFPE - GROUND FAULT PROTECTION EQUIPMENT CIRCUIT BREAKER
HLO - HANDLE LOCK ON DEVICE FOR CIRCUIT BREAKER
HPL- PADLOCK ATTACHMENT TO LOCK C/B HANDLE IN OPEN...

PANEL LP2-4
VOLTAGE 208Y/120V 3PH
MCB OR MLO MLO
FED FROM DP-2
PHASE BUS RATING 225 A
AIC RATING 10K
LOCATION HANGAR 126
MOUNTING SURFACE
NO. OF POLES 42

NOTE	LOAD DESCRIPTION	AMP	P	CKT. NO.	A		B		C		CKT. NO.	P	AMP	LOAD DESCRIPTION	NOTE
	DAMPER	20 A	1	1	150	444					2	1	20 A	UHG-1	
	UHG-2	20 A	1	3			444	1080			4	1	20 A	STORAGE - 127 RECEPT	
	EXTERIOR RECEPT	20 A	1	5					720	1080	6	1	20 A	HANGER RECEPTS	
	RECEPT: INFRARED HEATERS	20 A	1	7	1440	2000					8	2	30 A	HANGER 208V OUTLET	
	HVLS-1	20 A	2	9			700	2000			10	--	--	--	--
--	--	--	--	11					700	500	12	2	20 A	O.H. HANGER DOOR	
	O.H. DOOR HANGER - 127	20 A	2	13	500	500					14	--	--	--	--
--	--	--	--	15			500	500			16	2	20 A	O.H. DOOR HANGER - 127	
	RECEPT - GSE	20 A	1	17					540	500	18	--	--	--	--
	HANGER 208V RECEPT	30 A	2	19	2000	1333					20	1	20 A	EF-4	
--	--	--	--	21			2000	500			22	2	20 A	O.H DOOR HANGER	
	O.H. DOOR HANGER - 127	20 A	2	23					500	500	24	--	--	--	--
--	--	--	--	25	500	700					26	2	20 A	HVLS-2	
	HVLS-3	20 A	2	27			700	700			28	--	--	--	--
--	--	--	--	29					700	700	30	2	20 A	HVLS-4	
	RECEPT -TUG GSE	60 A	2	31	4500	700					32	--	--	--	--
--	--	--	--	33			4500	8320			34	2	100 A	RECEPT -TUG GSE	
	SPARE	20 A	1	35					0	8320	36	--	--	--	--
	SPD	30 A	3	37	0	0					38	1	20 A	SPARE	
--	--	--	--	39			0	0			40	1	20 A	SPARE	
--	--	--	--	41					0	0	42	1	20 A	SPARE	
					KVA	14.767	KVA	21.944	KVA	14.76					
					AMPS	123	AMPS	183	AMPS	123					

LOAD CLASSIFICATIONS	CONNECTED (VA)	DEMAND FACTOR	DEMAND (VA)
HVAC	6488 VA	100.00%	6488 VA
Motor	1483 VA	122.47%	1816 VA
Other	5000 VA	100.00%	5000 VA
Receptacle	38500 VA	62.99%	24250 VA

CONNECTED LOAD: 51.471 143
MAXIMUM DEMAND: 37.55... 104

NOTES:
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CZ# - CONTROL ZONE NUMBER FOR REMOTE CONTROL
BMS# - ROUTE CIRCUIT THROUGH BUILDING MANAGEMENT SYSTEM
GFCI - GROUND FAULT CIRCUIT INTERRUPTING TYPE CIRCUIT...
GFPE - GROUND FAULT PROTECTION EQUIPMENT CIRCUIT BREAKER
HLO - HANDLE LOCK ON DEVICE FOR CIRCUIT BREAKER
HPL- PADLOCK ATTACHMENT TO LOCK C/B HANDLE IN OPEN...

PANEL LP1-2
VOLTAGE 208Y/120V 3PH
MCB OR MLO MLO
FED FROM DP-1
PHASE BUS RATING 225 A
AIC RATING 10K
LOCATION I.T. CLOSET / MECH / ELEC...
MOUNTING SURFACE
NO. OF POLES 42

NOTE	LOAD DESCRIPTION	AMP	P	CKT. NO.	A		B		C		CKT. NO.	P	AMP	LOAD DESCRIPTION	NOTE
	RECEPT: 2nd FLOOR STAIR 1 - 203	20 A	1	1	180	850					2	1	15 A	GF-10	
	RECEPT: CONFERENCE - 220A	20 A	1	3			540	1000			4	1	20 A	RECEPT: 2nd REELS 2	
	RECEPT: CONFERENCE - 220	20 A	1	5					900	900	6	1	20 A	RECEPT: RM 219	
	RECEPT: 2nd REELS 1	20 A	1	7	1180	1115					8	1	15 A	GF-11	
	GF-12	20 A	1	9			1500	88			10	2	20 A	DF-4	
	GF-14	20 A	1	11					1500	88	12	--	--	--	--
	DF-3	20 A	2	13	88	850					14	1	15 A	GF-13	
--	--	--	--	15			88	850			16	1	15 A	GF-8	
	GF-9	15 A	1	17					850	1000	18	1	20 A	TV DRONE PAD - 218	
	TV CONFERENCE - 220	20 A	1	19	1000	360					20	1	20 A	RECEPT - IT QUAD	
	TV DRONE PAD - 218	20 A	1	21			180	720			22	1	20 A	RECEPT: 2nd IT ROOM	
	EF-1	20 A	1	23					1339	360	24	1	20 A	RECEPT - IT QUAD	
	SPARE	20 A	1	25	0	0					26	1	20 A	SPARE	
	SPARE	20 A	1	27			0	0			28	1	20 A	SPARE	
	SPARE	20 A	1	29					0	0	30	1	20 A	SPARE	
	SPARE	20 A	1	31	0	0					32	1	20 A	SPARE	
	SPARE	20 A	1	33			0	0			34	1	20 A	SPARE	
	SPARE	20 A	1	35					0	0	36	1	20 A	SPARE	
	SPARE	20 A	1	37	0	0					38	3	30 A	SPD	
	SPARE	20 A	1	39			0	0			40	--	--	--	--
	SPARE	20 A	1	41					0	0	42	--	--	--	--
					KVA	5.6225	KVA	4.965	KVA	5.9365					
					AMPS	48	AMPS	41	AMPS	59					

LOAD CLASSIFICATIONS	CONNECTED (VA)	DEMAND FACTOR	DEMAND (VA)
HVAC	6227 VA	100.00%	6227 VA
Motor	1850 VA	120.27%	2225 VA
Other	360 VA	100.00%	360 VA
Power	1127 VA	100.00%	1127 VA
Receptacle	7960 VA	100.00%	7960 VA

CONNECTED LOAD: 17.524 49
MAXIMUM DEMAND: 17.899 50

NOTES:
AFCI - ARC FAULT CIRCUIT INTERRUPTION TYPE CIRCUIT BREAKER
CZ# - CONTROL ZONE NUMBER FOR REMOTE CONTROL
BMS# - ROUTE CIRCUIT THROUGH BUILDING MANAGEMENT SYSTEM
GFCI - GROUND FAULT CIRCUIT INTERRUPTING TYPE CIRCUIT...
GFPE - GROUND FAULT PROTECTION EQUIPMENT CIRCUIT BREAKER
HLO - HANDLE LOCK ON DEVICE FOR CIRCUIT BREAKER
HPL- PADLOCK ATTACHMENT TO LOCK C/B HANDLE IN OPEN...

CMT
1627 MAIN STREET, SUITE 600
KANSAS CITY, MO 64108

WELLNER ARCHITECTS, INC
1627 MAIN STREET, SUITE 100
KANSAS CITY, MO 64108

olsson
1301 BURLINGTON STREET
NORTH KANSAS CITY, MO 64116

LEE'S SUMMIT MUNICIPAL AIRPORT
LEE'S SUMMIT, MISSOURI

EASTSIDE DEVELOPMENT
CITY PROJECT NO. - 47732472

STATE OF MISSOURI
TIMOTHY DANNER
NUMBER PE-2019031265
PROFESSIONAL ENGINEER
03-29-2024

LEES SUMMIT MUNICIPAL AIRPORT AUTHORITY
LEES SUMMIT, MO

MARK	DATE	DESCRIPTION
12	4/1/25	PR 10
11	4/2/25	PR 09
6	11/8/24	PR-07

PROJECT NO: 022-04268
CAD DWG FILE: Lee's Summit - Hangar 2.rvt
DESIGNED BY: SH
DRAWN BY: OH
CHECKED BY: AF
APPROVED BY: TWD
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