Lee's Summit Municipal Airport
Lee's Summit, Missouri
LXT Hangar 2 and Eastside Development
Project #47732472
Revision #4

This Revision is herewith made a part of the Contract Documents of the above issued project, and is issued to amend and supplement the January 4, 2024 plans and specifications as follows:

Additional reinforcement was added to the concrete paving to meet LS standards. Storm structures and connecting pipes were revised to accommodate the future proposed GA Terminal and proposed parking lot design. Electrical Revisions were made to provide details for the proposed electrical layout to tie into the existing electrical line via Hagan Rd. for power and to meet Evergy electrical components standards. Architectural Revisions were made as part of coordination with FF&E. The revisions are marked as "Revision 4" in the Issued for Construction Plan set. A description of all revisions is as follows:

Architectural Plan Revisions:

Description of the work: This ASI incorporates the final layout of the PEMB buildings, as well as other minor coordination items.

Sheet A101 Overall Floor Plan Level; Plan – Level 1 Overall Plan:
Grid layout modified. Revise door 100-A to 8'-0" to match product submittal.

Sheet A102 Floor Plan; Plan – Level 1 Hanger 2:
Grid layout modified. Revise storefront width to 8'-0" to match door below.

Plan Level 2 Hanger 2:
Grid layout modified. Revise storefront width to 8'-0" to match door below.

Sheet A122 Reflected Ceiling Plan; Reflected Ceiling Plan – Level 1:
Add dimensions to locate ceilings

Sheet A122 Reflected Ceiling Plan; Reflected Ceiling Plan – Level 2:
Add dimensions to locate ceilings

Sheet A403 Stair And Elevator Details; Enlarged Plan – Stair Level 1:
Revise dimension of elevator core.

Sheet A403 Stair And Elevator Details; Enlarged Plan – Stair Level 2:
Revise dimension of elevator core and stair width.

Sheet A403 Stair And Elevator Details; Enlarged Plan – Stair 1 Level 1:
Add dimension.

Sheet A403 Stair And Elevator Details; Enlarged Plan – Stair 1 Level 2:
Revise dimension.

Sheet A601 Door/Window Schedule & Details; Door Type:
Clarify door type E note.

Sheet A601 Door/Window Schedule & Details; Door Schedule:
Revise door schedule to match drawings and submittals.

Sheet A621 Casework Elevations; Enlarged Plan – Reception Desk:

Add dimension.

Sheet A621 Casework Elevations; Enlarged Plan –Vending / Coffee Bar:
Add dimension.

Structural Plan Revisions:

This ASI incorporates the final layout and base reactions of the PEMB buildings, as well as other minor coordination items.

SD1. Sheet S100: Foundation Plan – Overall
- A. Grid layout modified, structure modified to match
- B. Footing and pier sizes and reinforcement modified to account for PEMB base reactions
- C. Columns, footings, and piers added for new PEMB columns
- D. Detail cuts added for clarity
- E. Structural stoops added and removed to match door locations
- F. General Notes updated
- G. Foundation Schedule modified to include additional information

SD2. Sheet S101: Foundation Partial Plans
- A. Grid layouts modified, structure modified to match
- B. Footing and pier sizes and reinforcement modified
- C. Columns, footings, and piers added for new PEMB columns
- D. Structural stoops added and removed to match door locations
- E. General Notes updated
- F. Elevator shaft dimensions modified

SD3. Sheet S102: Mezzanine Framing Plan
- A. Grid layouts modified, structure modified to match
- B. Columns added for new PEMB columns
- C. General Notes Updated
- D. Framing added and modified for new layout
- E. Slab dimensions modified to match Architectural
- F. PEMB coordination items added

SD4. Sheet S200: Typical Foundation Details
- A. Details removed, replaced on a new sheet

SD5. Sheet S201: Foundation Details
- A. Details removed, replaced on a new sheet
- B. Tie bar schedule expanded, detailing modified, and additional information added
- C. Footing details modified to shift callouts to the Foundation Schedule
- D. Footing details modified to more closely reflect the actual footing conditions
- E. Footing details renamed to improved applicability
- F. Information removed from TYPICAL detail and moved to Footing Schedule
- G. Footing expanded and modified to account for foundation changes due to PEMB

SD6. Sheet S202: Foundation Details
- A. Tie bars adjusted

SD7. Sheet S203: Pier Details
- A. Sheet added
- B. All details added or pulled from other sheets and updated for clarity

SD8. Sheet S301: Steel Framing Details
- A. Details added

Civil Plan Revisions:

Jointing Plan Revisons (C103-103B, C127, C138-138B,):

1) Reduced the length of western end of Southern Road by 16ft to accommodate the future proposed GA Terminal and proposed parking lot design.

   Cost Impact: Item 18 8" Portland Cement Concrete Pavement -57 SY

2) Reduced the length of western end of Southern Sidewalk by 16ft to accommodate the future proposed GA Terminal and proposed parking lot design.

   Cost Impact: Item 20 4" Portland Cement Concrete Pavement Sidewalk -9 SY

3) Reduced the length of western end of Southern Road by 16ft to accommodate the future proposed GA Terminal and proposed parking lot design.

   Cost Impact: Item 15 12" 6% Cement Treated Subgrade -57 SY

4) Reduced the length of western end of Southern Road by 16ft to accommodate the future proposed GA Terminal and proposed parking lot design.

   Cost Impact: Item 16 4" Compacted Aggregate Base Course -57 SY

5) Reduced the length of western end of Southern Sidewalk by 16ft to accommodate the future proposed GA Terminal and proposed parking lot design.

   Cost Impact: Item 16 4" Compacted Aggregate Base Course -9 SY

6) Reduced the length of western end of Southern Road by 16ft to accommodate the future proposed GA Terminal and proposed parking lot design.

   Cost Impact: Item 21 Type CG-1 Concrete Curb and Gutter +5.5 LF

7) Additional reinforcement was added to the concrete paving to meet LS standards.

   Contractor to provide cost for additional steel reinforcement.

8) Added dry curb to facilitate areas where it is necessary to drain water away from curbs.

   Cost Impact: Negligible

9) Changed dowel rod callout to general callout. Use Table 2 for correct dowel rod.

   Cost Impact: Negligible

10) Added dowel basket assembly detail to meet LS standards.

    Cost Impact: Negligible

11) Added LS jointing specs for non-airfield pavement and added dummy construction joint to conform to LS Standards.

    Cost Impact: Negligible

Storm and Water Plan Revisions (C107, C110-C111, C116-C117):

1) Changed the location of storm structures 6A, 6B, 3, 2, 1, and 1A to accommodate the future proposed GA Terminal and proposed parking lot design.

   Cost Impact: Negligible

2) Changed the location of a fire hydrant and waterline to accommodate the future proposed GA Terminal and proposed parking lot design.

   Cost Impact: Item 59A 6" Water Main Installation +9 LF + contractor to provide unit price

   New Pay Item Required: Item 59A 6" Water Main Installation

3) Changed the location of a fire hydrant and waterline to accommodate the future proposed GA Terminal and proposed parking lot design.

   Cost Impact: Item 60 10" Water Main Installation +29 LF

Lighting Plan Revisions (C135, 1368A-136B):

1) Added 3 new pullboxes for lighting circuit splice

   Cost Impact: Item 76 Lighting Circuit Splice Pullbox +2 EA + contractor to provide unit price

   New Pay Item Required: Item 76 Lighting Circuit Splice Pullbox

2) Replaced 2 X #6 XLP-USE, #12 IN 1" Conduit with 2 X #6 XLP-USE, #10 IN 1" Conduit and add new streetlight conduit.

   Cost Impact: Item 50 2 X #6 XLP-USE, #12 IN 1" Conduit -1860 LF
   Cost Impact: Item 50A 2 X #6 XLP-USE, #10 IN 1" Conduit +1996 LF + contractor to provide unit price

   New Pay Item Required: Item 50A 2 X #6 XLP-USE, #10 IN 1" Conduit

3) Added new meter pedestal to provide details for the proposed electrical layout to tie into the existing electrical line via Hagan Rd. for power and to meet Evergy electrical components standards.

   Cost Impact: Item 77 Meter Pedestal +1 EA + contractor to provide unit price

   New Pay Item Required: Item 77 Meter Pedestal

Summary of Cost Changes:

Item 15 12" 6% Cement Treated Subgrade -57 SY = New Quantity is 16000 LF

Item 16 4" Compacted Aggregate Base Course -66 SY = New Quantity is 11454 LF

Item 18 8" Portland Cement Concrete Pavement -57 SY = New Quantity is 10318 LF

Item 20 4" Portland Cement Concrete Pavement Sidewalk -9 SY = New Quantity is 1137 LF

Item 21 Type CG-1 Concrete Curb and Gutter +5.5 LF = New Quantity is 3942.5 LF

Item 50 2 X #6 XLP-USE, #12 IN 1" Conduit -1860 LF = New Quantity is 0 LF

Item 50A 2 X #6 XLP-USE, #10 IN 1" Conduit +1996 LF + contractor to provide unit price

Item 59A 6" Water Main Installation -9 LF = New Quantity is 156 LF + contractor to provide unit price

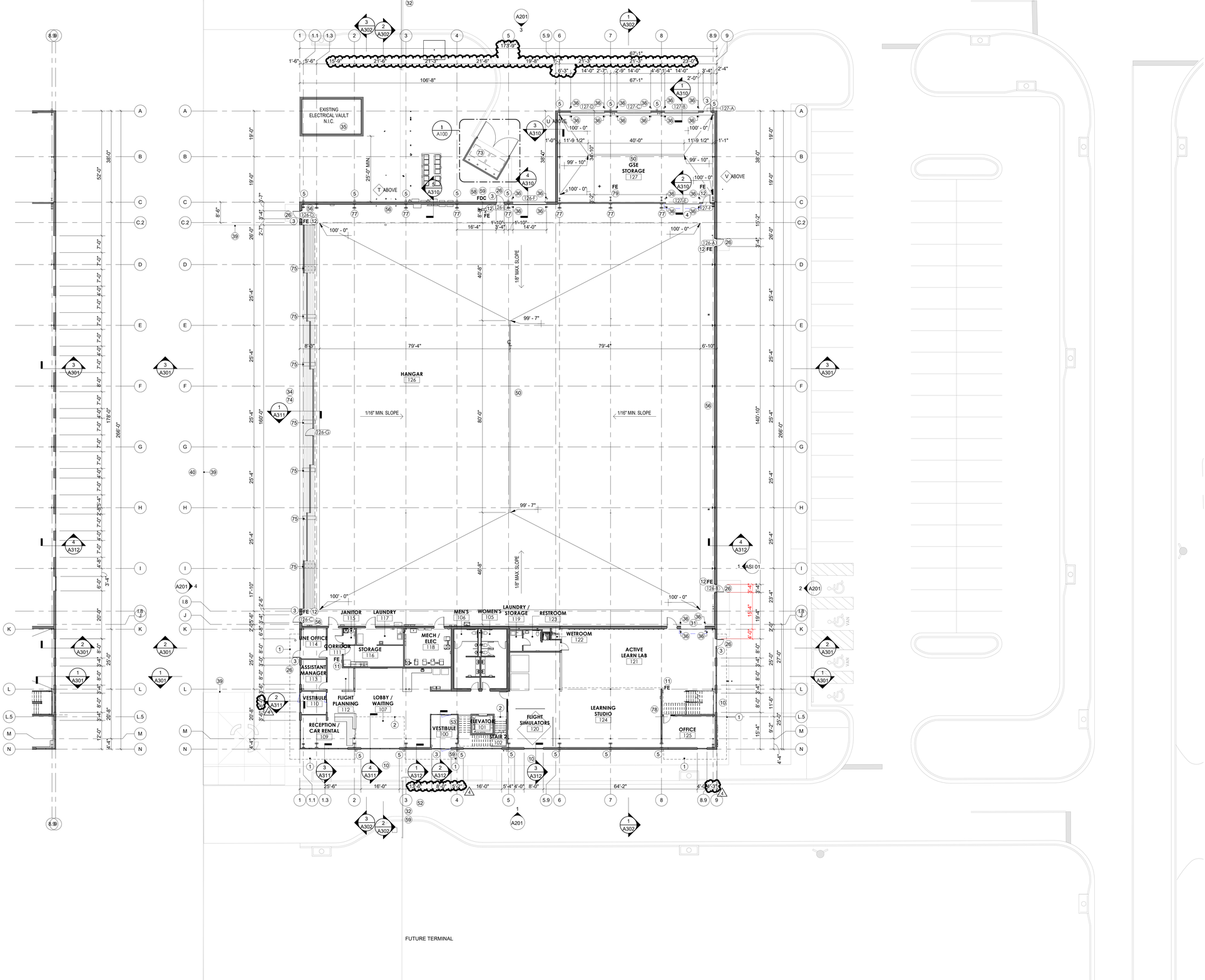
Item 60 10" Water Main Installation +29 LF = New Quantity is 272 LF

Item 76 Lighting Circuit Splice Pullbox +2 EA + contractor to provide unit price

Item 77 Meter Pedestal +1 EA + contractor to provide unit price

BID ALTERNATIVE 1 – GSE storage / lean-too

A. Exterior envelope: removal of associated exterior wall finishes, roofing, overhead sectional doors, man door.
B. Structural: removal of columns, beams, framing, associated structure, floor slab and footings.
C. Paving: without the GSE space the slab footprint will become concrete paving per civil similar to adjaoent paving north and west of GSE storage.
D. MEP: removal of associated mechanical, plumbing, and electrical within the space for items not also intended for the remainder of the building.
E. Demising wall: CMU 2 hour rated assembly, rated coiling door, and rated man door are removed. Overhead door and man door within the demising wall / exterior wall to be replaced with an overhead sectional door similar to door west of trash enclosure, and insulated hollow metal exterior door similar to other man doors at hangar. Associated exterior electrical / plumbing items such as wall light fixtures, and hose bibs to shift south from GSE north wall to hangar north wall.
F. Add cost of PEMB wall framing, insulation, metal panel (MP-2), downspouts extended to storm sewer, and associated cost of exterior wall assembly needed along the face of GSE storage.



PARTIAL PLAN - HANGAR GLAZING 2
1/16" = 1'-0"

PLAN - LEVEL 1 OVERALL PLAN 1
1/16" = 1'-0"

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 1027/10 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 1027/10 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" 160'-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

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
4	8/2/24	ASI 01

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

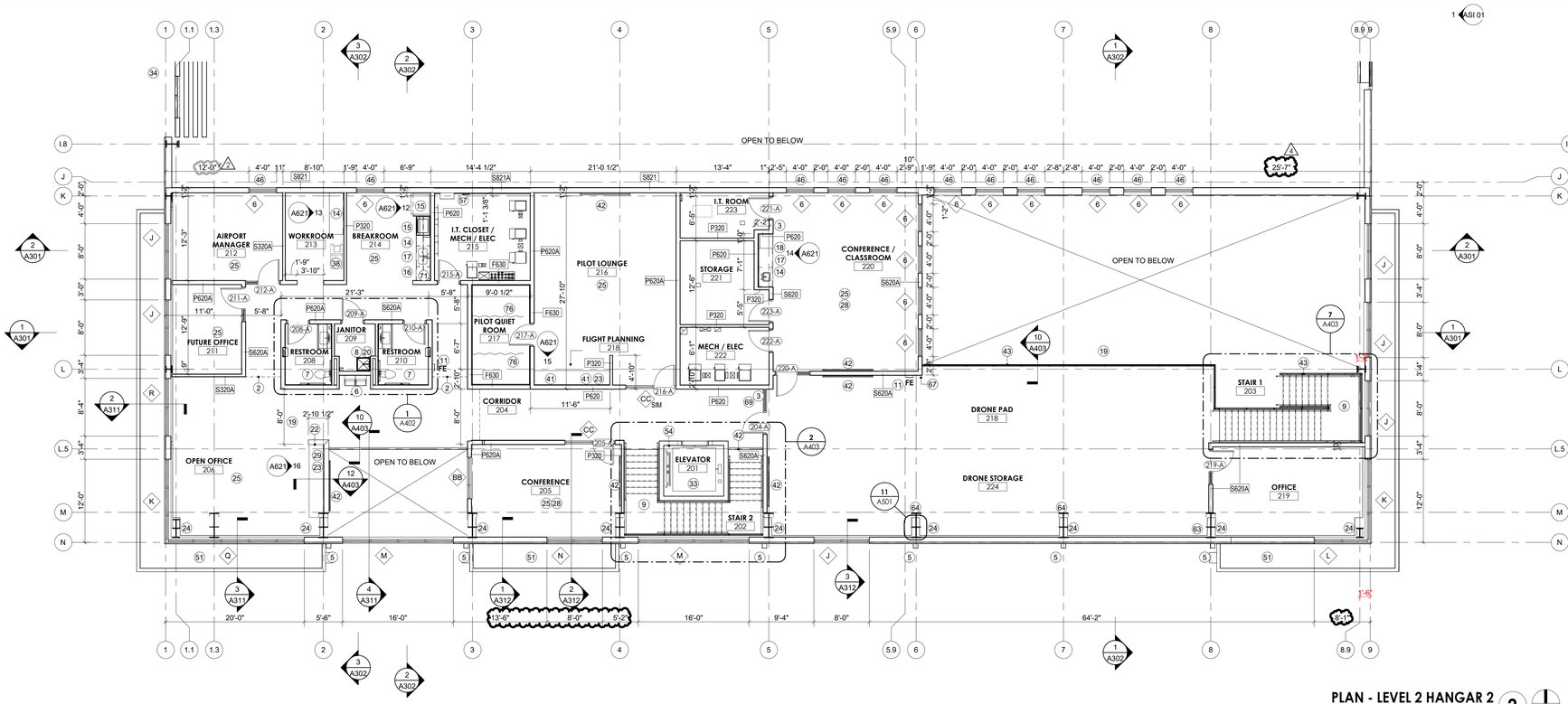
SHEET TITLE

OVERALL FLOOR PLAN LEVEL

A101

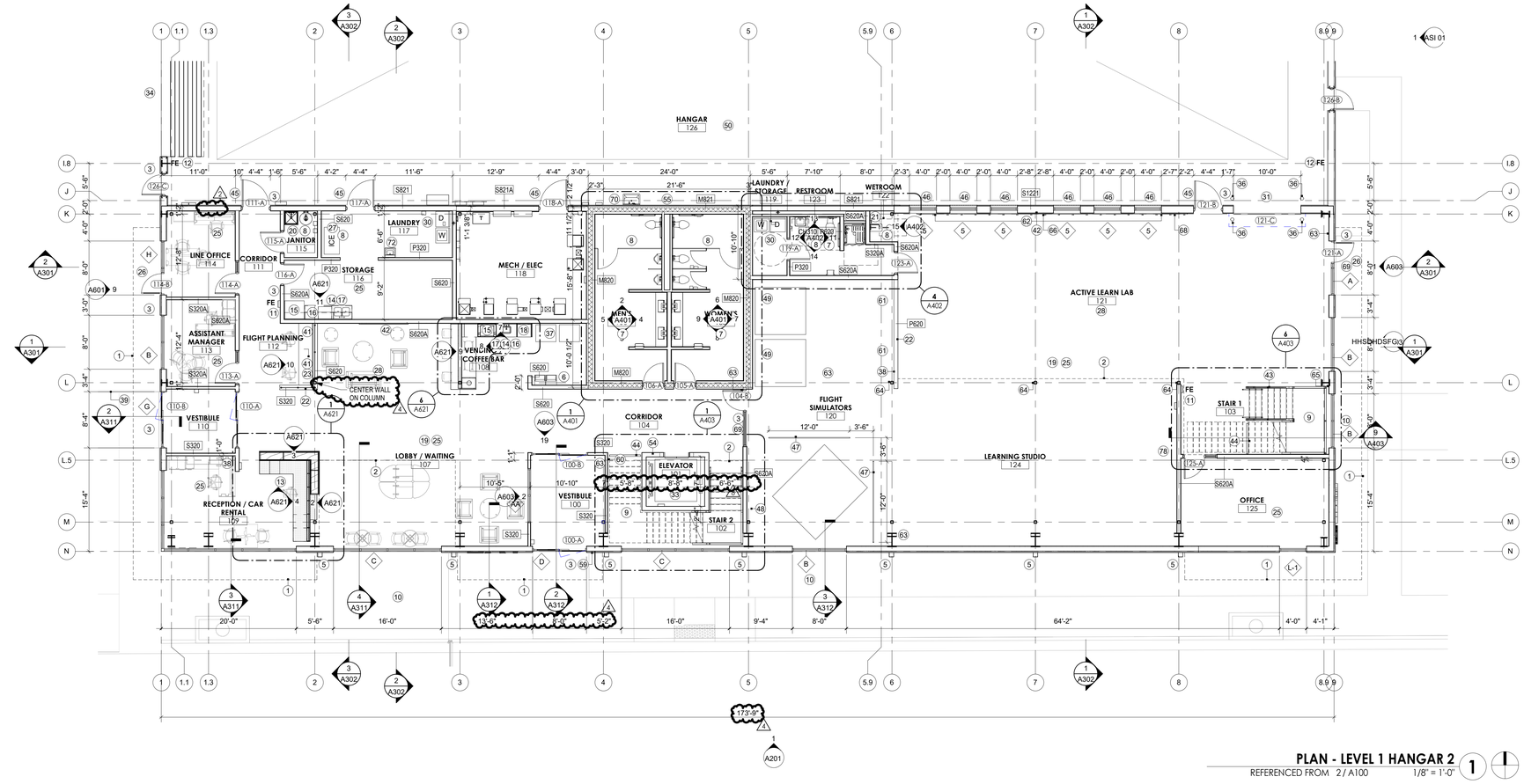
SHEET OF

10/1/2024 9:51:21 AM



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
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5	FURNISH AND INSTALL PREFINISHED DOWNSPOUT WITH INTEGRAL OVERFLOW AND CONNECT TO STORM SEWER PER CIVIL
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14	FURNISH AND INSTALL LOWER AND UPPER CASEWORK AND COUNTER TOPS PER INTERIOR ELEVATIONS, DETAILS, AND FINISH PLANS
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18	FURNISH AND INSTALL ADA COUNTER HEIGHT UNDERCOUNTER FRIDGE WITH ADEQUATE POWER AND CASEWORK TRIM PIECES FOR BUILT IN APPEARANCE
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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" 160'-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

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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
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

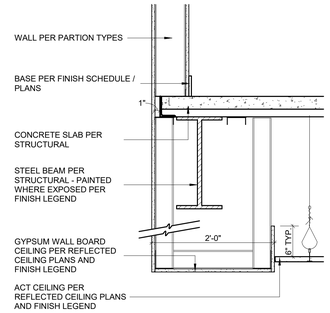
SHEET TITLE

FLOOR PLANS

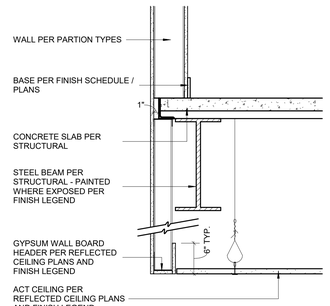
A102

SHEET OF

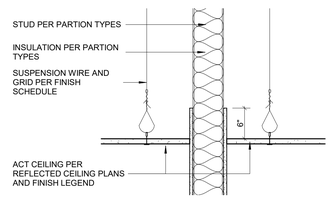
8/26/2024 2:48:00 PM



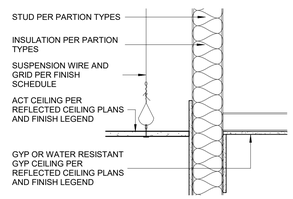
DETAIL - CEILING COFFER 3
REFERENCED FROM 1 / A122 1" = 1'-0"



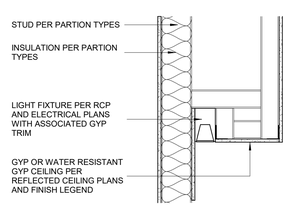
DETAIL - CEILING SOFFIT 4
REFERENCED FROM 1 / A122 1" = 1'-0"



DETAIL - CEILING ACT / ACT 5
REFERENCED FROM 1 / A122 1" = 1'-0"



DETAIL - CEILING GYP / ACT 6
REFERENCED FROM 1 / A122 1" = 1'-0"

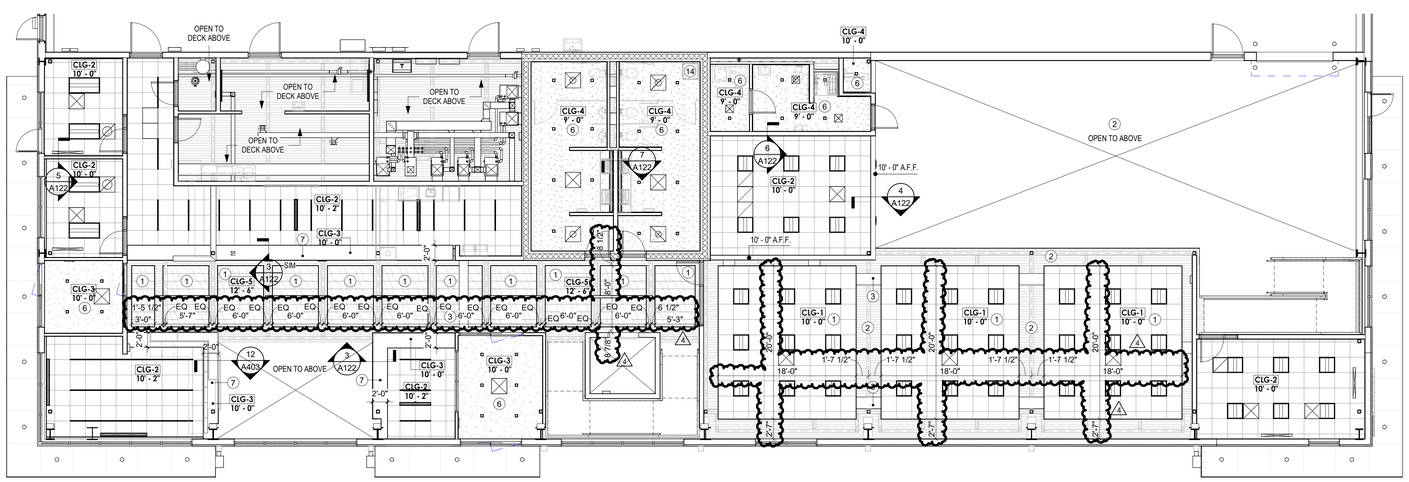


DETAIL - CEILING GYP AT LINEAR FIXTURE 7
REFERENCED FROM 1 / A122 1" = 1'-0"

REFLECTED CEILING PLAN LEVEL 2 2
1/8" = 1'-0"

LIGHT / MECHANICAL FIXTURE LIST	* REFER TO ELECTRICAL AND MECHANICAL DRAWINGS FOR TYPES
2' X 4' LIGHT FIXTURE WITH DIRECT / INDIRECT LENS	
RECESSED SQUARE LIGHT	
RECESSED CAN LIGHT	
HIGH BAY PENDANT LIGHT FIXTURE	
8' LINEAR PENDANT FIXTURE	
4' SURFACE MOUNTED LIGHT FIXTURE	
6'-0" recessed strip light fixture	
8'-0" recessed strip light fixture	
2' x 2' supply diffuser	
4' linear diffuser	
1' x 1' supply diffuser	
2' x 2' return diffuser	
exposed spiral ductwork	
destratification fan with ceiling trim per RCP	

ALL EXPOSED MEZZANINE DECK, ROOF DECK, EXPOSED STEEL, EXPOSED CMU, AND EXPOSED SPIRAL DUCTS TO REMAIN CLEAN AND FREE OF DAMAGE FOR FINAL UNFINISHED APPEARANCE. PROVIDE ADDITIONAL PROTECTION AS REQUIRED.



REFLECTED CEILING PLAN - LEVEL 1 1
1/8" = 1'-0"

#	RCP NOTES
1	CEILING CLOUD WITH BOARDER TRIM PER FINISH SCHEDULE
2	FURNISH AND INSTALL DRYFALL PAINT AT ALL EXPOSED FRAMING STEEL AND DECK
3	EXPOSED SPIRAL MECHANICAL DUCTS
4	FURNISH AND INSTALL SOUND ATTENUATION INSULATION ABOVE CEILING
5	FURNISH AND INSTALL STRUCTURAL LID AT TOP OF ELEVATOR SHAFT, REFER TO ELEVATOR DETAILS
6	PAINT GYP CEILING PNT-6
7	PAINT GYP CEILING PNT-7
8	FURNISH AND INSTALL PERFORATED METAL PANEL AT UNDERSIDE OF DECK / INSULATION
9	FURNISH AND INSTALL HIGH BAY LIGHTING PER ELECTRICAL
10	FURNISH AND INSTALL INFRARED HEATING SYSTEM PER MECHANICAL
11	FURNISH AND INSTALL HIGH VOLUMN LOW SPEED FAN PER MECHANICAL
12	FURNISH AND INSTALL DESTRATIFICATION FAN PER MECHANICAL
13	KEEP ALL MECHANCIAL, SPRINKLERS, LIGHTING, ETC TIGHT TO THE UNDERSIDE OF STRUCTURE AND TIGHT TO WALLS
14	FURNISH AND INSTALL 24"X24" ACCESS PANEL

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LEE'S SUMMIT MUNICIPAL AIRPORT
LEE'S SUMMIT AIRPORT

EASTSIDE DEVELOPMENT
CITY PROJECT NO. - 47732472

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

LEES SUMMIT MUNICIPAL AIRPORT
LEES SUMMIT, MO

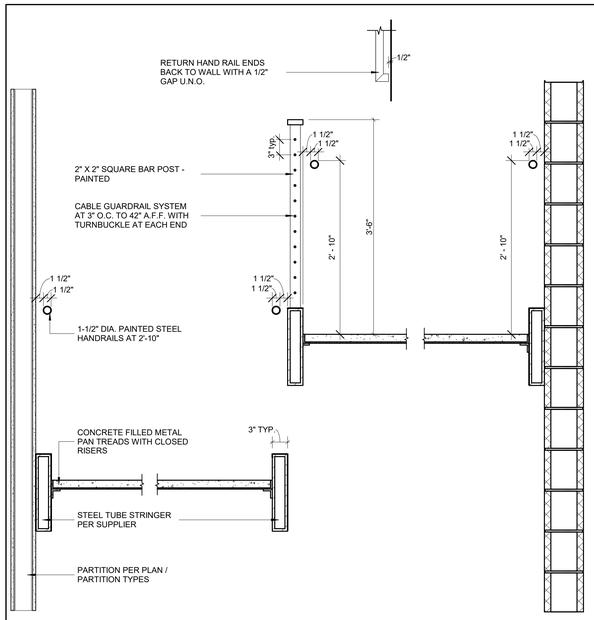
MARK	DATE	DESCRIPTION
4	8/2/24	ASI 01

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

SHEET TITLE
REFLECTED CEILING PLAN

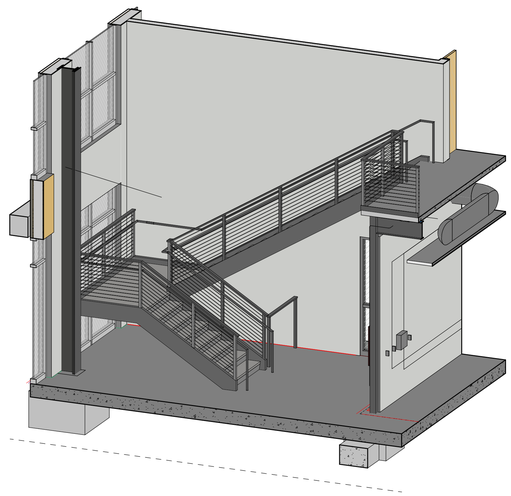
A122
SHEET OF

8/2/2024 3:59:11 PM

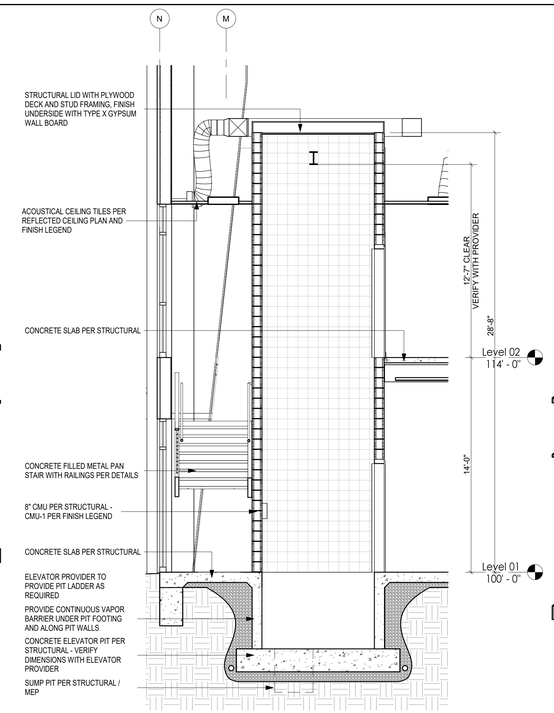


DETAIL - STAIRS 11
1" = 1'-0"

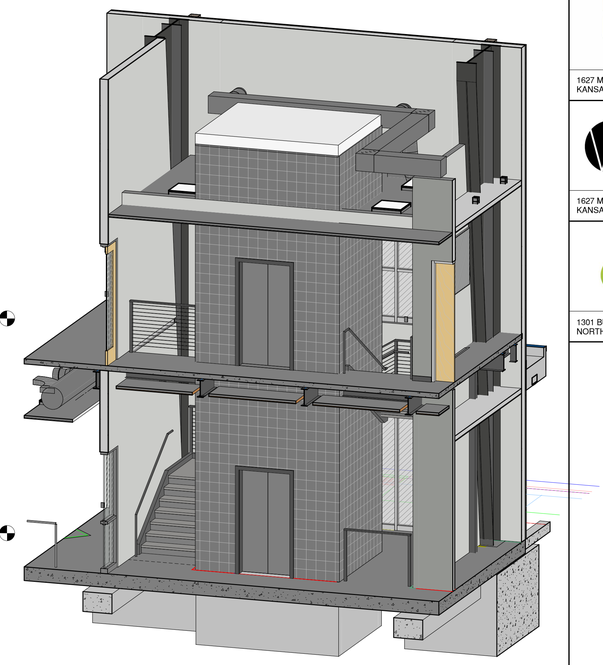
ALL EXPOSED MEZZANINE DECK, ROOF DECK, EXPOSED STEEL, EXPOSED CMU, AND EXPOSED SPIRAL DUCTS TO REMAIN CLEAN AND FREE OF DAMAGE FOR FINAL UNFINISHED APPEARANCE. PROVIDE ADDITIONAL PROTECTION AS REQUIRED.



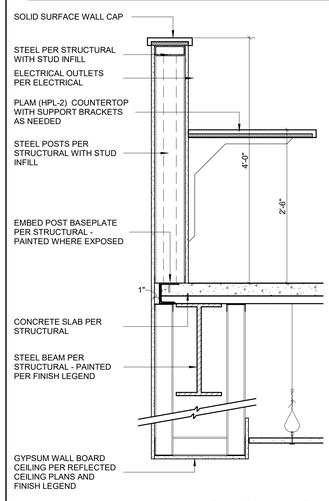
ISOMETRIC - STAIR 1 8



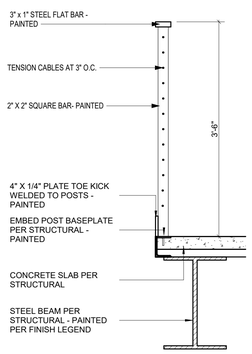
SECTION - ELEVATOR 5
1/4" = 1'-0"



ISOMETRIC - STAIR 2 & ELEVATOR 3



DETAIL - WALL RAILING AT SLAB EDGE 12
1" = 1'-0"



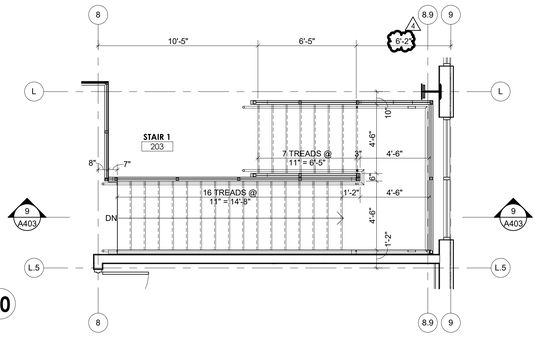
DETAIL - GUARDRAILS 10
1" = 1'-0"

STAIR / RAILING / GUARDRAIL NOTES:

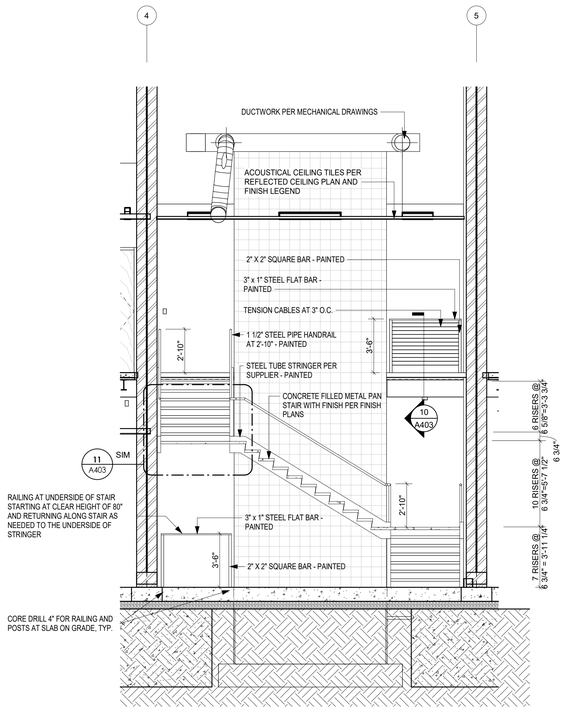
- MINIMUM GUARDRAIL HEIGHT IS 42" AS MEASURED FROM ADJACENT WALKING SURFACES, ON STAIRS FROM THE LINE OF THE CONNECTING LEADING EDGES OF THE TREAD NOSING, AND ON RAMPS FROM THE RAMP SURFACE.
- FROM FLOOR / TREAD HEIGHT UP TO 34" - GUARDRAIL CONSTRUCTION TO NOT ALLOW PASSAGE OF 4" SPHERE.
- FROM HEIGHT OF 34" TO 42", GUARDRAIL CONSTRUCTION TO NOT ALLOW THE PASSAGE OF 4 3/8" SPHERE.
- HANDRAILS ARE TO BE GRASPABLE A MINIMUM DIAMETER OF 1-1/4" AND MAX. OF 2".
- MAXIMUM RISER HEIGHT TO BE 7"
- MINIMUM TREAD DEPTH TO BE 11"
- ALL WELDS EXPOSED TO VIEW TO BE GROUND SMOOTH.
- ALL STAIRS TO HAVE CLOSED RISER CONSTRUCTION.
- THE GREATEST RISER HEIGHT WITHIN ANY FLIGHT OF STAIRS SHALL NOT EXCEED THE SMALLEST BY 0.375 INCH.
- THE GREATEST TREAD DEPTH WITHIN ANY FLIGHT OF STAIRS SHALL NOT EXCEED THE SMALLEST BY 0.375 INCH.
- STEEL STRINGER SHALL RUN CONTINUOUS AT LANDINGS AND TRANSITIONS OF SLOPE - STEEL FILLERS SHALL BE WELDED AND GROUND SMOOTH FOR SEAMLESS APPEARANCE.
- STRUCTURAL DESIGN OF STAIRS AND STAIR COMPONENTS PER SUPPLIER.
- STAIR STRUCTURE TO BE COORDINATED TO FIT WITHIN WALL FRAMING WHERE POSSIBLE.
- PROVIDE PROTECTIVE RAILING UNDER STAIRS TO THE MINIMUM CLEAR HEAD HEIGHT OF 80".
- GUARDRAILS TO MEET HORIZONTAL FORCE REQUIREMENTS PER CODE.
- ALL EXPOSED STEEL TO BE PAINT. U.N.O.
- PROVIDE TURNBUCKLES AT ALL CABLE RAILING RUNS TO ALLOW FOR TIGHTENING TO MEET GUARDRAIL SPACING REQUIREMENTS.

ELEVATOR FINISHES

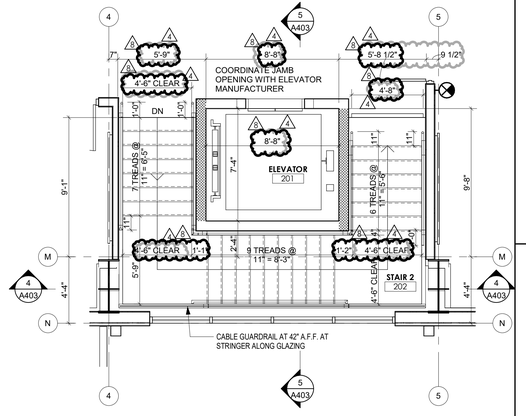
ELEVATOR B.O.D. IS SCHINDLER 3100 MRL, WITH POWDER COATED PAINTED WALLS **ELE-1** AND STANDARD BRUSHED STAINLESS STEEL CEILING WITH LINEAR LED LINE LIGHTS AND ANODIZED ALUMINUM CORNERS AND SKIRTING. HANDRAILS TO BE RECTANGULAR WITH CUT ENDS. INTEGRATED TILE FLOOR **CT-1**, ALONG WITH STANDARD CAR AND OPERATING PANELS. STRUCTURE TO BE **CMU-1**. REFER TO FINISH LEGEND AND SCHEDULE FOR MATERIAL DESIGNATIONS



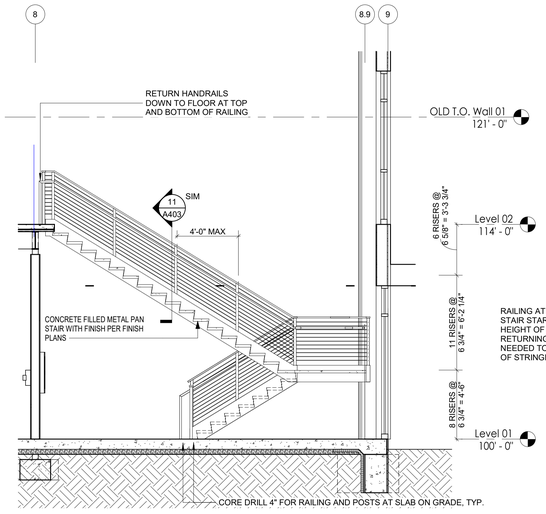
ENLARGED PLAN - STAIR 1 LEVEL 2 7
1/4" = 1'-0"



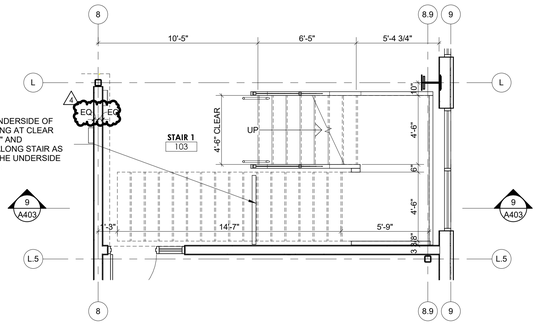
SECTION - STAIR 2
1/4" = 1'-0" 4



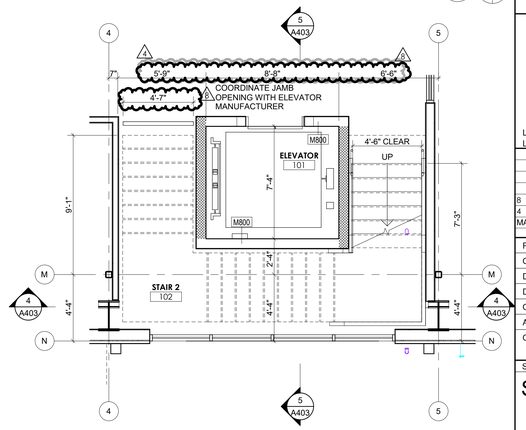
ENLARGED PLAN - STAIR LEVEL 2
REFERENCED FROM 2 / A102
1/4" = 1'-0" 2



SECTION - STAIR 1
1/4" = 1'-0" 9



ENLARGED PLAN - STAIR 1 LEVEL 1 6
1/4" = 1'-0"



ENLARGED PLAN - STAIR LEVEL 1
REFERENCED FROM 1 / A102
1/4" = 1'-0" 1

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EASTSIDE DEVELOPMENT
CITY PROJECT NO. - 47732472

Julie Black Wellner - Architect - MO #A-5006
STATE OF MISSOURI
JULIE BLACK WELLNER
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MO Certificate of Authority #000167

09-29-2023

LEES SUMMIT MUNICIPAL AIRPORT
LEES SUMMIT, MO

MARK	DATE	DESCRIPTION
8	8/26/24	RFI 17
4	8/2/24	ASI 01

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

SHEET TITLE
STAIR AND ELEVATOR DETAILS

A403
SHEET OF

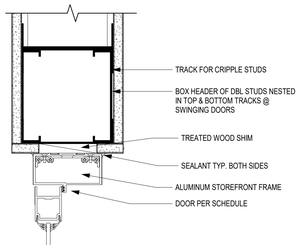
8/26/2024 2:48:04 PM

DOOR SCHEDULE

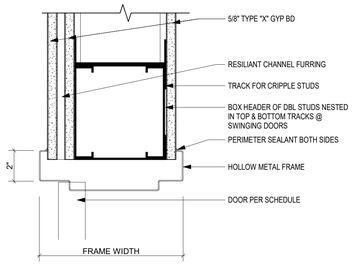
door #	DOORS TYPE	MATERIAL	FINISH	size width	size height	size thickness	FRAMES TYPE	MATERIAL	FINISH	DETAILS HEAD	DETAILS JAMB	DETAILS SILL	FIRE RATING	HARDWARE GROUP	remarks
100-A	A	ALUM	ANOD.	7' - 8"	8' - 0"	0' - 1 3/4"	STOREFRONT	ALUM	ANOD.	7A604	6A604	5A604	-	17	
100-B	A	ALUM	ANOD.	8' - 0"	8' - 0"	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.	8' - 0"	8' - 1"	0' - 1 3/4"	STOREFRONT	ALUM	ANOD.	7A604	6A604	5A604	-	17	
110-B	A	ALUM	ANOD.	8' - 0"	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 4	3' - 0"	8' - 0"	0' - 1 3/4"	2	HM	PT	7A601	6A601	-	-	13	
114-A	C	WD	WD-1 4	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 4	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" 4	0' - 2"	-	--	-	2A602	1A602	1A501	-	18	2
127-C	G	STL	PREFINISHED	14' - 0"	14' - 0" 4	0' - 2"	-	-	-	2A602	1A602	1A501	-	18	2
127-D	G	STL	PREFINISHED	14' - 0"	14' - 0" 4	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

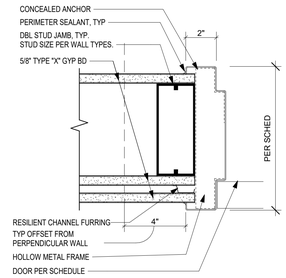
NOTES:
1. INSULATED OVERHEAD DOOR
2. INSULATED SECTIONAL DOOR
3. CORRDINATE EGRESS DOOR WITHIN HANGAR DOOR WITH HANGAR DOOR PROVIDER
4. STEEL-CRAFT WOOD GRAIN DOORS WITH FINISH MATCHING WD-1
5. GLAZING TO BE SG4 SCHOOL GUARD GLASS AT DOORS AND SIDELIGHTS



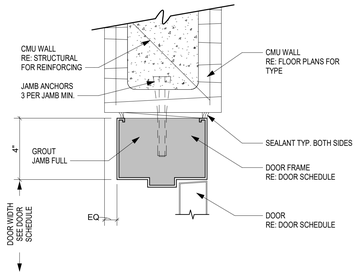
DOOR JAMB/HEAD AT GYP BD INT STOREFRONT 12
3" = 1'-0"



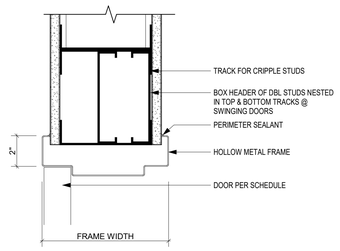
DOOR HEAD AT PILOT QUIET RM 8
3" = 1'-0"



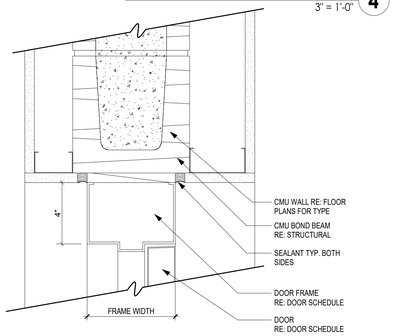
DOOR JAMB AT PILOT QUIET RM 4
3" = 1'-0"



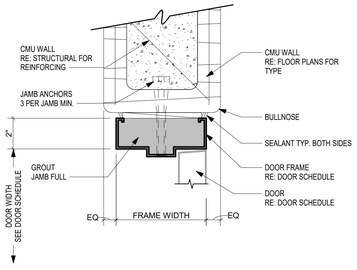
DOOR HEAD AT CMU 11
3" = 1'-0"



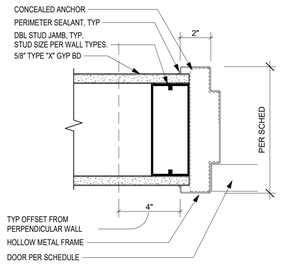
DOOR HEAD AT GYP BD 7
3" = 1'-0"



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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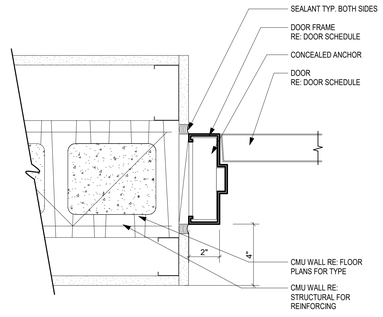
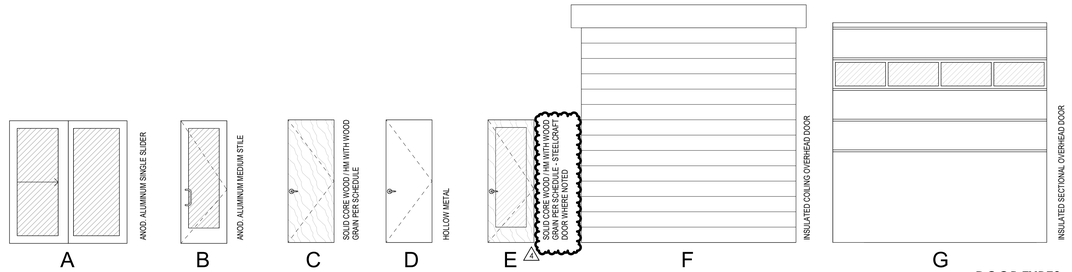
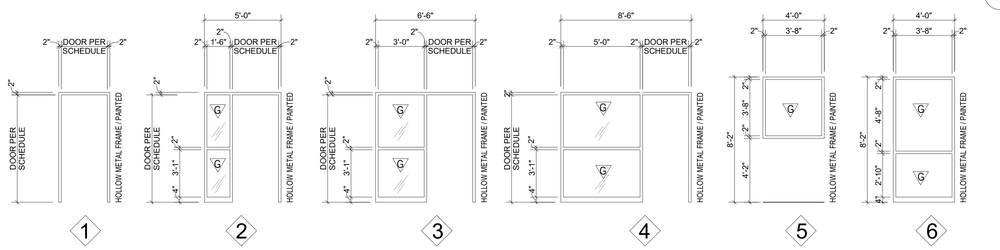


DOOR JAMB AT CMU 2
3" = 1'-0"



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
NUMBER A-5006
REGISTERED ARCHITECT
MO Certificate of Authority #000767
09-29-2023

LEES SUMMIT MUNICIPAL AIRPORT
LEES SUMMIT, MO

MARK	DATE	DESCRIPTION
4	8/2/24	ASI 01

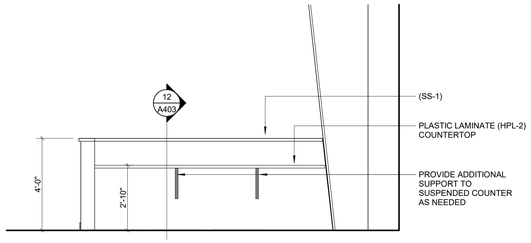
PROJECT NO:	2219
CAD DWG FILE:	Lee's Summit - Hangar 2.rvt
DESIGNED BY:	DM
DRAWN BY:	KP
CHECKED BY:	WAI
APPROVED BY:	WAI
COPYRIGHT 2023	

SHEET TITLE
DOOR/WINDOW SCHEDULE & DETAILS

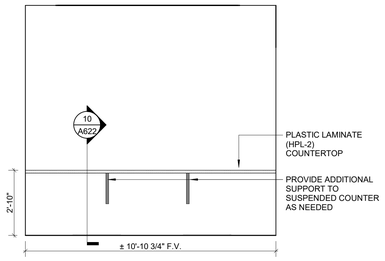
A601
SHEET OF

8/2/2024 3:59:16 PM

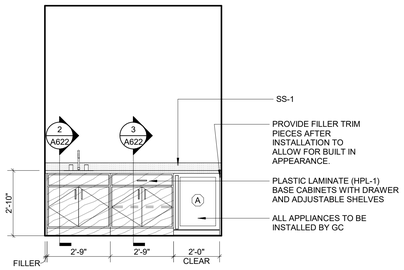
APPLIANCE SCHEDULE						
#	Item Name	Room	Electrical Required	Plumbing Required	Basis of Design Model	Comments
A	UNDER COUNTER REFRIDGERATOR	108, 220	YES	NO	Summit AL57G 23 5/8"	ADA
B	MICROWAVE	108, 214	YES	NO	Sharp SMD2470ASY	24" Hidden Controls
C	WASHER	117, 119	YES	YES	SWNMN25P115TW01	Speed Queen Commerical
D	DRYER	117, 119	YES	NO	SDEMNRG5173TW01	Speed Queen Commerical
E	ICE MAKER	117	YES	YES	IYT0500A/DS70	Manitowoc 550 lb
F	REFRIDGERATOR/FREEZER	214	YES	YES	FRIGIDAIRE PROFESSIONAL PRFG2383AF	ADA
G	DISHWASHER	214	YES	YES	BOSCH SGX78B55UC	ADA



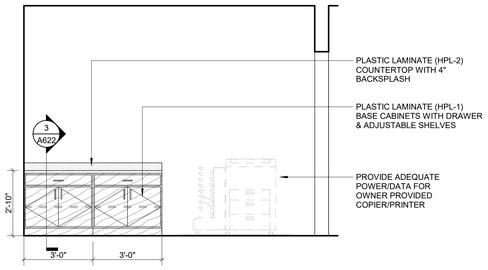
206 OBSERVATION DECK 16
REFERENCED FROM 2 / A102 3/8" = 1'-0"



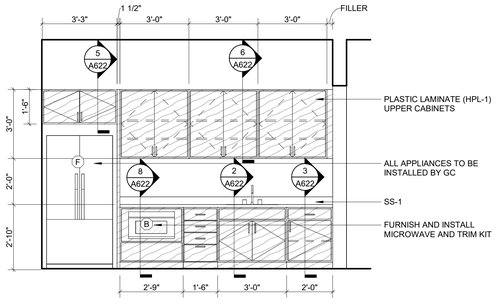
218 FLIGHT PLANNING 15
REFERENCED FROM 2 / A102 3/8" = 1'-0"



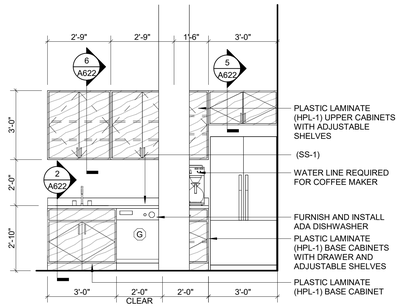
220 CONFERENCE/CLASSROOM 14
REFERENCED FROM 2 / A102 3/8" = 1'-0"



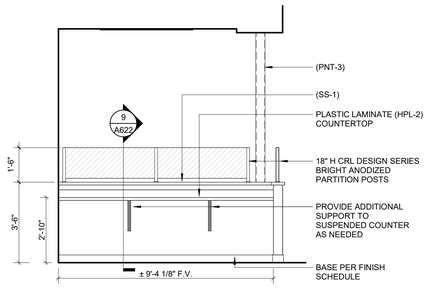
213 WORKROOM 13
REFERENCED FROM 2 / A102 3/8" = 1'-0"



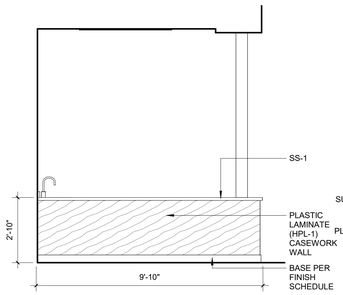
214 BREAKROOM 12
REFERENCED FROM 2 / A102 3/8" = 1'-0"



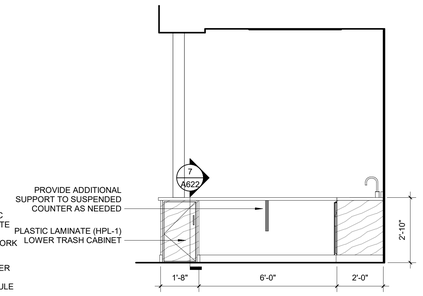
STORAGE ROOM CASEWORK 11
REFERENCED FROM 1 / A102 3/8" = 1'-0"



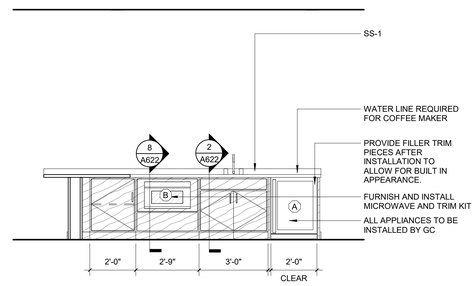
112 FLIGHT PLANNING 10
REFERENCED FROM 1 / A102 3/8" = 1'-0"



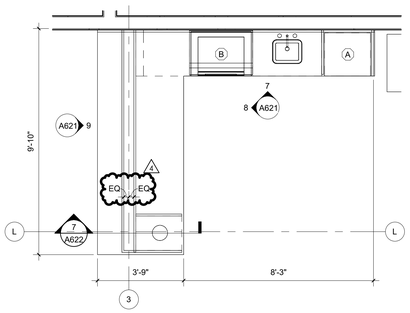
VENDING/COFFEE C 9
REFERENCED FROM 6 / A621 3/8" = 1'-0"



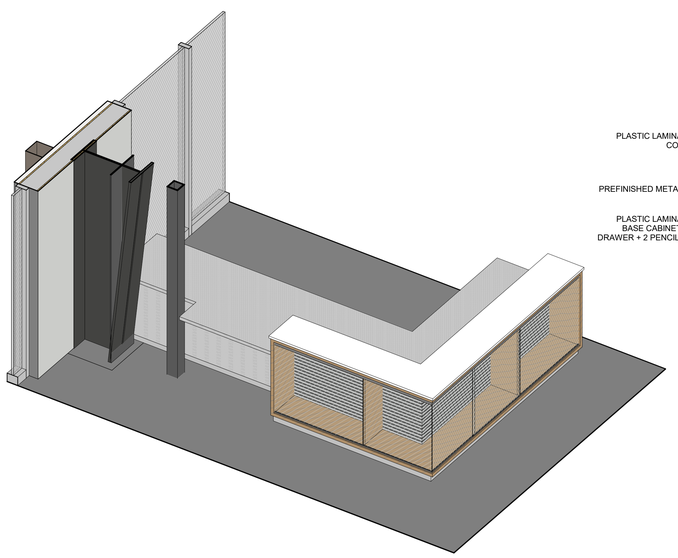
VENDING/COFFEE B 8
REFERENCED FROM 6 / A621 3/8" = 1'-0"

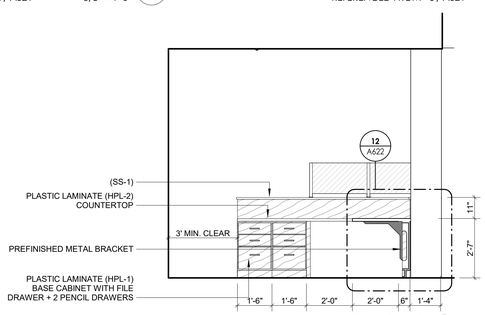


VENDING/COFFEE A 7
REFERENCED FROM 6 / A621 3/8" = 1'-0"

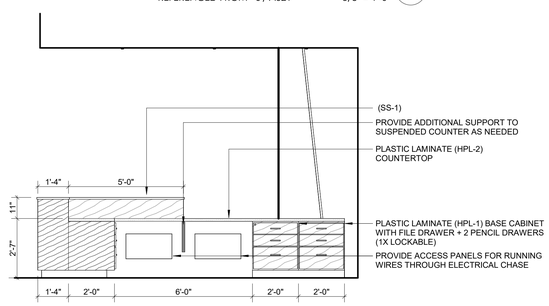


ENLARGED PLAN - VENDING / COFFEE BAR 6
REFERENCED FROM 1 / A102 3/8" = 1'-0"

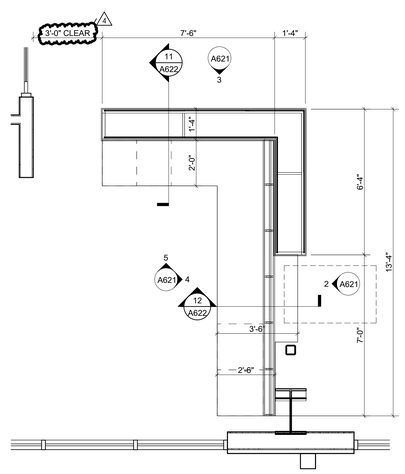




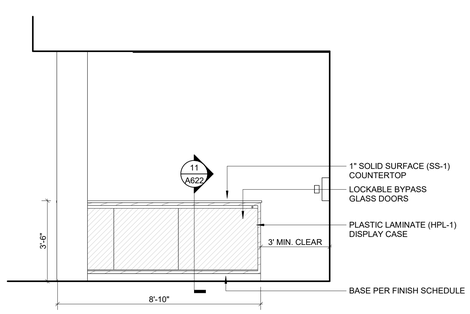
RECEPTION D 5
REFERENCED FROM 1 / A621 3/8" = 1'-0"



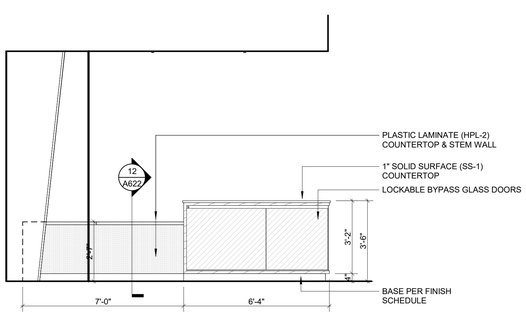
RECEPTION C 4
REFERENCED FROM 1 / A621 3/8" = 1'-0"



ENLARGED PLAN - RECEPTION DESK 1
REFERENCED FROM 1 / A102 3/8" = 1'-0"



RECEPTION B 3
REFERENCED FROM 1 / A621 3/8" = 1'-0"



RECEPTION A 2
REFERENCED FROM 1 / A621 3/8" = 1'-0"

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
MO Certificate of Authority #000767 - 09-29-2023

LEES SUMMIT MUNICIPAL AIRPORT
LEES SUMMIT, MO

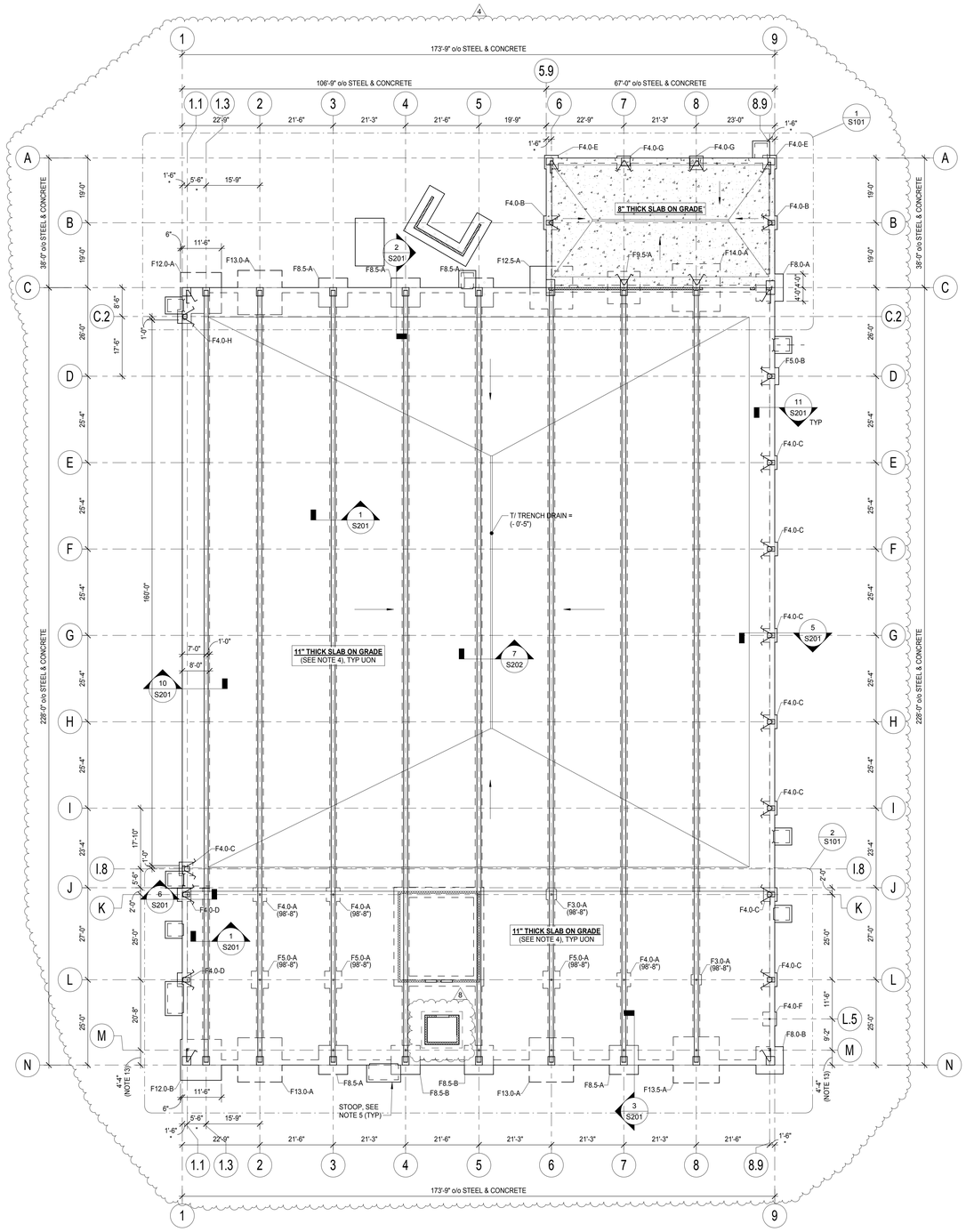
MARK	DATE	DESCRIPTION
4	8/2/24	ASI 01

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

SHEET TITLE
CASEWORK ELEVATIONS

A621
SHEET OF

8/2/2024 2:52:52 PM



NORTH

1 FOUNDATION PLAN

SCALE = 1/16" = 1'-0"

4

FOOTING & PIER SCHEDULE

FTG TYPE	FTG LENGTH	FTG WIDTH	FTG THICKNESS	FTG REINFORCING	HAIRPINS / TIE BARS	T/ FTG	PIER TYPE & SIZE (WxD)	PIER REINF	T.O. PIER ELEV	ANCHOR SIZE	Anchor Length	COMMENTS
F3.0-A	3'-0"	3'-0"	16"	(3) #6 BARS EW BOTTOM	---	98'-8"	---	---	N/A	1"Ø	18"	
F4.0-A	4'-0"	4'-0"	16"	(4) #6 BARS EW BOTTOM	---	98'-8"	---	---	N/A	1"Ø	18"	
F4.0-B	4'-0"	4'-0"	30"	(5) #5 BARS EW TOP & BOT	#5 HAIRPIN	99'-0"	A 16"x24"	(6) #6 VERT W/ #4 TIES AT 6" OC, HOOK VERT BARS AT TOP & BOT, TOP (2) TIES AT 2" OC	100'-0"	3/4"Ø	24"	
F4.0-C	4'-0"	4'-0"	30"	(5) #5 BARS EW TOP & BOT	#5 HAIRPIN	99'-0"	A 16"x26"	(6) #6 VERT W/ #4 TIES AT 6" OC, HOOK VERT BARS AT TOP & BOT, TOP (2) TIES AT 2" OC	100'-0"	3/4"Ø	18"	
F4.0-D	4'-0"	4'-0"	30"	(5) #5 BARS EW TOP & BOT	#5 HAIRPIN ON PEMB COLUMN	99'-0"	A 18"x28"	(6) #6 VERT W/ #4 TIES AT 6" OC, HOOK VERT BARS AT TOP & BOT, TOP (2) TIES AT 2" OC	100'-0"	3/4"Ø ON PEMB COL, 1"Ø ON HSS COL	18" FOR PEMB COL, 18" FOR HSS COL	
F4.0-E	4'-0"	4'-0"	30"	(5) #5 BARS EW TOP & BOT	#5 HAIRPIN	99'-0"	B 24"x24"	(8) #6 VERT W/ #4 TIES AT 6" OC, HOOK VERT BARS AT TOP & BOT, TOP (2) TIES AT 2" OC	100'-0"	3/4"Ø	18"	
F4.0-F	4'-0"	4'-0"	30"	(5) #5 BARS EW TOP & BOT	---	99'-0"	---	---	N/A	1"Ø	18"	
F4.0-G	4'-0"	4'-0"	30"	(5) #5 BARS EW TOP & BOT	#5 HAIRPIN ON MAIN FRAME COL	99'-0"	F 30"x28"	(12) #6 VERT W/ #4 TIES AT 6" OC, HOOK VERT BARS AT TOP & BOT, TOP (2) TIES AT 2" OC	100'-0"	3/4"Ø	24" ON PEMB COL, 24" ON PORTAL FRAME	
F4.0-H	4'-0"	4'-0"	30"	(5) #5 BARS EW TOP & BOT	#5 HAIRPIN	99'-0"	A 16"x16"	(4) #6 VERT W/ #4 TIES AT 6" OC, HOOK VERT BARS AT TOP & BOT, TOP (2) TIES AT 2" OC	100'-0"	3/4"Ø	18"	
F5.0-A	5'-0"	5'-0"	16"	(5) #6 BARS EW BOTTOM	---	98'-8"	---	---	N/A	1"Ø	18"	
F5.0-B	5'-0"	5'-0"	30"	(6) #5 BARS EW TOP & BOT	#5 HAIRPIN	99'-0"	A 16"x26"	(6) #6 VERT W/ #4 TIES AT 6" OC, HOOK VERT BARS AT TOP & BOT, TOP (2) TIES AT 2" OC	100'-0"	3/4"Ø	24"	
F8.0-A	8'-0"	8'-0"	30"	(9) #5 BARS EW TOP & BOT	#5 HAIRPIN ON SOUTH SIDE	99'-0"	E 30"x46	(12) #6 VERT W/ #4 TIES AT 6" OC FOR SOUTH COL, (6) #6 VERT W/ #4 TIES AT 6" OC FOR NORTH COL, HOOK VERT BARS AT TOP & BOT, TOP (2) TIES AT 2" OC	100'-0"	3/4"Ø ON GRID 1.1, 3/4"Ø ON GRID 1.3	18" ON NORTH, 24" ON SOUTH	
F8.0-B	8'-0"	8'-0"	30"	(9) #5 BARS EW TOP & BOT	#5 HAIRPIN	99'-0"	B 30"x30"	(12) #6 VERT W/ #4 TIES AT 6" OC, HOOK VERT BARS AT TOP & BOT, TOP (2) TIES AT 2" OC	100'-0"	3/4"Ø	18"	
F8.5-A	8'-6"	8'-6"	30"	(9) #5 BARS EW TOP & BOT	(4) #10 TIE BARS	99'-0"	A 24"x30"	(12) #6 VERT W/ #4 TIES AT 6" OC, HOOK VERT BARS AT TOP & BOT, TOP (2) TIES AT 2" OC	100'-0"	1 1/2"Ø	30"	
F8.5-B	8'-6"	8'-6"	66"	#6 AT 12" OC EW TOP & BOT	(4) #10 TIE BARS	99'-0"	A 24"x30"	(12) #6 VERT W/ #4 TIES AT 6" OC, HOOK VERT BARS AT TOP & BOT, TOP (2) TIES AT 2" OC	100'-0"	1 1/2"Ø	30"	
F9.5-A	9'-6"	9'-6"	30"	(10) #5 BARS EW TOP & BOT	(4) #10 TIE BARS ON SOUTH, #5 HAIRPIN ON NORTH	99'-0"	D 24"x56"	(12) #6 VERT W/ #4 TIES AT 6" OC FOR SOUTH COL, (4) #6 VERT W/ #4 TIES AT 6" OC FOR NORTH COL, HOOK VERT BARS AT TOP & BOT, TOP (2) TIES AT 2" OC	100'-0"	3/4"Ø ON NORTH, 1 1/2"Ø ON SOUTH	18" ON NORTH, 30" ON SOUTH	
F12.0-A	12'-0"	12'-0"	30"	(10) #6 BARS EW TOP & BOT	#5 HAIRPIN ON GRID 1.1, (4) #10 TIE BARS ON GRID 1.3	99'-0"	B 30"x30" ON GRID 1.1, AND A 24"x30" ON GRID 1.3	(2) SETS OF (12) #6 VERT W/ #4 TIES AT 6" OC, HOOK VERT BARS AT TOP & BOT, TOP (2) TIES AT 2" OC	100'-0"	3/4"Ø ON GRID 1.1, 1 1/2"Ø ON GRID 1.3	18" ON GRID 1.1, 30" ON GRID 1.3	
F12.0-B	12'-0"	12'-0"	30"	(10) #6 BARS EW TOP & BOT	#5 HAIRPIN ON GRID 1.1, (4) #10 TIE BARS ON GRID 1.3	99'-0"	B 30"x30" ON GRID 1.1, AND A 24"x30" ON GRID 1.3	(2) SETS OF (12) #6 VERT W/ #4 TIES AT 6" OC, HOOK VERT BARS AT TOP & BOT, TOP (2) TIES AT 2" OC	100'-0"	3/4"Ø ON GRID 1.1, 1 1/2"Ø ON GRID 1.3	18" ON GRID 1.1, 30" ON GRID 1.3	ADJUST HAIRPIN LENGTH/WIDTH AS REQUIRED TO BYPASS HSS COL
F12.5-A	12'-6"	12'-6"	30"	(11) #6 BARS EW TOP & BOT	(4) #10 TIE BARS ON SOUTH	99'-0"	E 30"x56"	(12) #6 VERT W/ #4 TIES AT 6" OC FOR SOUTH COL, (8) #6 VERT W/ #4 TIES AT 6" OC FOR NORTH COL, HOOK VERT BARS AT TOP & BOT, TOP (2) TIES AT 2" OC	100'-0"	3/4"Ø ON NORTH, 1 1/2"Ø ON SOUTH	18" ON NORTH, 30" ON SOUTH	
F13.0-A	13'-0"	13'-0"	30"	(11) #6 BARS EW TOP & BOT	(4) #10 TIE BARS	99'-0"	A 24"x30"	(12) #6 VERT W/ #4 TIES AT 6" OC, HOOK VERT BARS AT TOP & BOT, TOP (2) TIES AT 2" OC	100'-0"	1 1/2"Ø	30"	
F13.5-A	13'-6"	13'-6"	30"	(12) #6 BARS EW TOP & BOT	(4) #10 TIE BARS	99'-0"	A 24"x30"	(12) #6 VERT W/ #4 TIES AT 6" OC, HOOK VERT BARS AT TOP & BOT, TOP (2) TIES AT 2" OC	100'-0"	1 1/2"Ø	30"	
F14.0-A	14'-0"	14'-0"	30"	(12) #6 BARS EW TOP & BOT	(4) #10 TIE BARS ON SOUTH, #5 HAIRPIN ON NORTH	99'-0"	D 24"x56"	(12) #6 VERT W/ #4 TIES AT 6" OC FOR SOUTH COL, (4) #6 VERT W/ #4 TIES AT 6" OC FOR NORTH COL, HOOK VERT BARS AT TOP & BOT, TOP (2) TIES AT 2" OC	100'-0"	3/4"Ø ON NORTH, 1 1/2"Ø ON SOUTH	24" ON NORTH, 30" ON SOUTH	

FOUNDATION PLAN NOTES:

1. TOP OF SLAB AND REFERENCE ELEVATION = 100'-0", UNLESS OTHERWISE NOTED BY A (+) OR (-) FROM THIS ELEVATION. SLOPE TO FLOOR DRAINS WHERE NOTED BY ARROWS ON PLAN.
2. TOP OF FOOTING ELEVATION = 99'-0", UNLESS OTHERWISE NOTED.
3. ISOLATED FOOTINGS ARE CENTERED ON COLUMNS, UNLESS OTHERWISE NOTED.
4. TYPICAL SLAB ON GRADE, UNLESS OTHERWISE NOTED: 11" SLAB ON GRADE ON 15 MIL VAPOR RETARDER ON 6" GRANULAR FILL. REINFORCE WITH w/ #5 BARS @ 16" OC EW, CENTERED IN SLAB. SEE GEOTECH FOR SUBGRADE PREPARATION REQUIREMENTS. SLOPE TO FLOOR DRAINS WHERE NOTED (SEE ALSO ARCH & MEP DRAWINGS). SEE SHEET S200 FOR TYPICAL JOINT & RE-ENTRANT CORNER REINFORCEMENT DETAILS. CONTRACTOR TO PROVIDE CONTROL / CONSTRUCTION JOINTS AT MAXIMUM SPACINGS OF 27'-6", AND A MAXIMUM SLAB PANEL LENGTH / WIDTH RATIO OF 1.5.
5. CONTRACTOR TO PROVIDE STOOP PER TYPICAL DETAIL ON SHEET S200. CONTRACTOR TO COORDINATE SIZE, LOCATION, & QUANTITY WITH ARCHITECTURAL DRAWINGS.
6. COORDINATE FLOOR DRAIN LOCATIONS WITH MEP DRAWINGS.
7. REFER TO ARCHITECTURAL DRAWINGS FOR WALL LOCATIONS, OPENINGS, AND ELEVATIONS. CONTINUOUS FOOTINGS ARE CENTERED ON WALL, UNLESS OTHERWISE NOTED.
8. CONTRACTOR TO COORDINATE ELEVATOR PIT SUMP LOCATION WITH ELEVATOR MANUFACTURER. SEE DETAIL 2 / S202.
9. WHERE TIE BEAMS INTERSECT WITH FOOTINGS, RUN REINFORCEMENT CONTINUOUS THROUGH FOOTINGS.
10. LIGHT GAUGE METAL FRAMING CONTRACTOR TO DESIGN FULL-HEIGHT OF WALL FOR ±16 PSF WIND LOAD. COORDINATE WALL LATERAL SUPPORT AT ROOF WITH PEMB MANUFACTURER.
11. CONTRACTOR TO COORDINATE FINAL LOCATIONS OF FOOTINGS WITH PEMB STRUCTURE. COORDINATE DOWNSPOUT PENETRATIONS AND SLEEVES AT FOOTINGS.
12. DIMENSIONS MARKED WITH *** SHALL BE VERIFIED WITH THE PEMB MANUFACTURER. 4
13. THIS DIMENSION IS BASED ON A MAXIMUM PEMB COLUMN DEPTH OF 3'-1" AT THE MEZZANINE LEVEL, AS WELL AS A 1 1/2" CLEAR DISTANCE FROM THE PEMB STRUCTURE TO EDGE OF SLAB. THE MEZZANINE IS DESIGNED TO BE COMPLETELY SEPARATE FROM THE PEMB STRUCTURE AND FACADE. CONTRACTOR TO VERIFY WITH PEMB MANUFACTURER.
14. ALL FOUNDATIONS HAVE BEEN DESIGNED TO BE SUPPORTED ON SOIL IMPROVED USING RAMMED AGGREGATE PIERS. THESE PIERS SHALL PROVIDE AN ALLOWABLE SOIL BEARING PRESSURE OF 4,000 PSF.

CMT
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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

03-29-2024

LEES SUMMIT MUNICIPAL AIRPORT
LEES SUMMIT, MO

MARK	DATE	DESCRIPTION
8	08/26/2024	RFI 17
4	08/02/2024	ASI #01

PROJECT NO:	22001238-00
CAD DWG FILE:	Lee's Summit - Hangar 2.rvt
DESIGNED BY:	JER
DRAWN BY:	JER
CHECKED BY:	CWS
APPROVED BY:	CWS

SHEET TITLE

FOUNDATION PLAN - OVERALL

S100

SHEET OF

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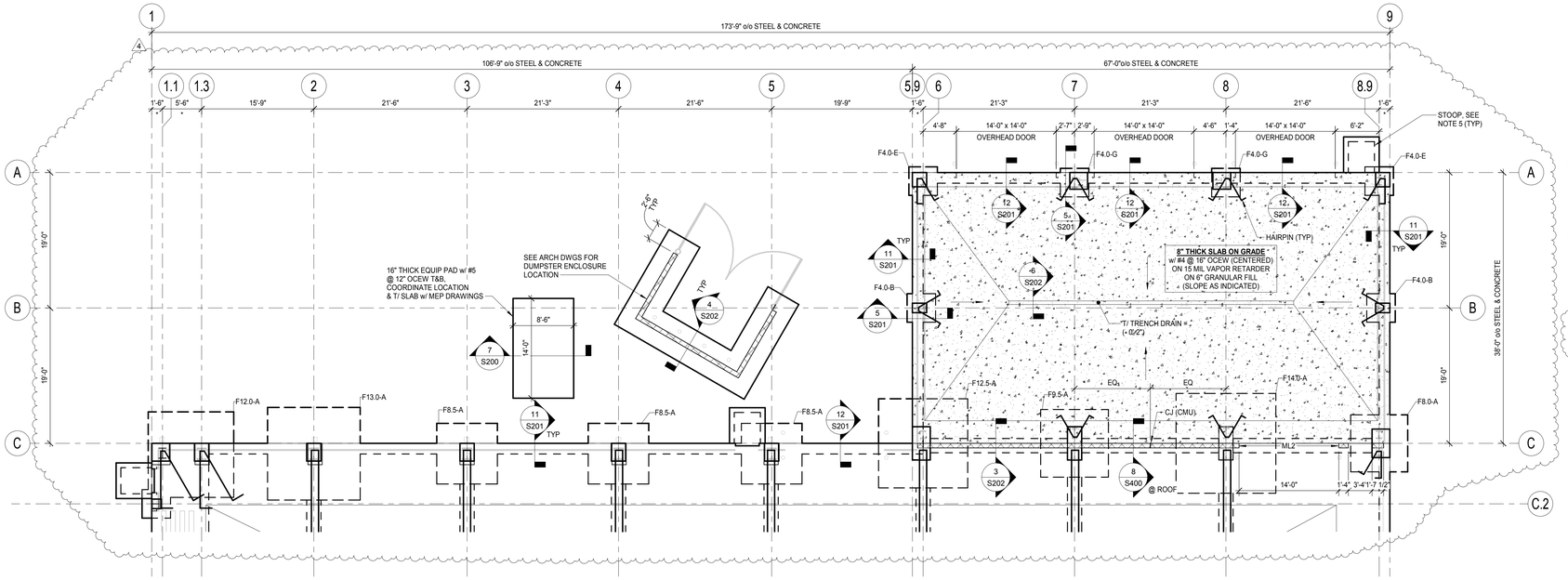
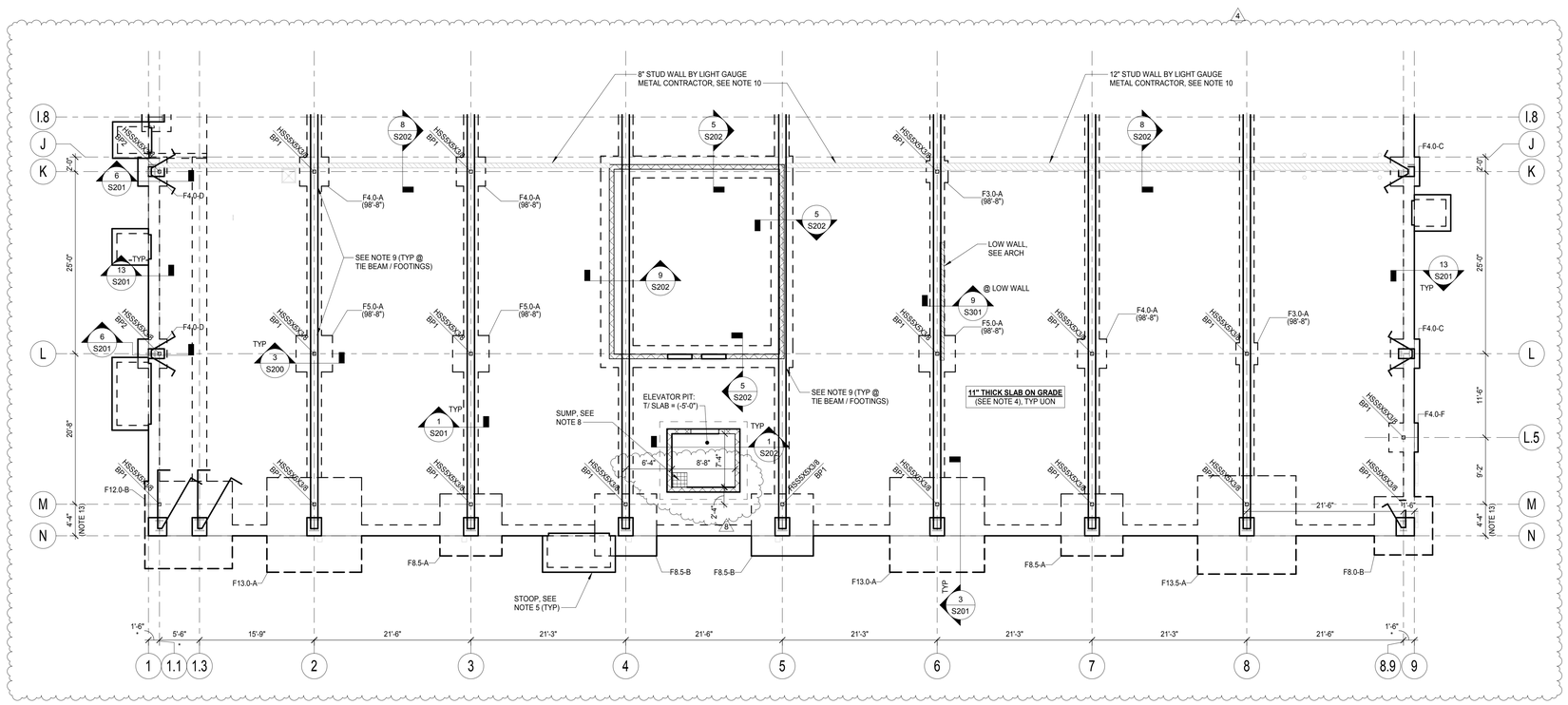


1 FOUNDATION PLAN - NORTH

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



2 FOUNDATION PLAN - SOUTH

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

FOUNDATION PLAN NOTES:

1. TOP OF SLAB AND REFERENCE ELEVATION = 100'-0", UNLESS OTHERWISE NOTED BY A (+) OR (-) FROM THIS ELEVATION. SLOPE TO FLOOR DRAINS WHERE NOTED BY ARROWS ON PLAN.
2. TOP OF FOOTING ELEVATION = 99'-0", UNLESS OTHERWISE NOTED.
3. ISOLATED FOOTINGS ARE CENTERED ON COLUMNS, UNLESS OTHERWISE NOTED.
4. TYPICAL SLAB ON GRADE, UNLESS OTHERWISE NOTED: 11" SLAB ON GRADE ON 15 MIL VAPOR RETARDER ON 6" GRANULAR FILL. REINFORCE WITH w/ #5 BARS @ 16" OC EW, CENTERED IN SLAB. SEE GEOTECH FOR SUBGRADE PREPARATION REQUIREMENTS. SLOPE TO FLOOR DRAINS WHERE NOTED (SEE ALSO ARCH & MEP DRAWINGS). SEE SHEET S200 FOR TYPICAL JOINT & RE-ENTRANT CORNER REINFORCEMENT DETAILS. CONTRACTOR TO PROVIDE CONTROL / CONSTRUCTION JOINTS AT MAXIMUM SPACINGS OF 27'-6", AND A MAXIMUM SLAB PANEL LENGTH / WIDTH RATIO OF 1.5.
5. CONTRACTOR TO PROVIDE STOOP PER TYPICAL DETAIL ON SHEET S200. CONTRACTOR TO COORDINATE SIZE, LOCATION, & QUANTITY WITH ARCHITECTURAL DRAWINGS.
6. COORDINATE FLOOR DRAIN LOCATIONS WITH MEP DRAWINGS.
7. REFER TO ARCHITECTURAL DRAWINGS FOR WALL LOCATIONS, OPENINGS, AND ELEVATIONS. CONTINUOUS FOOTINGS ARE CENTERED ON WALL, UNLESS OTHERWISE NOTED.
8. CONTRACTOR TO COORDINATE ELEVATOR PIT SUMP LOCATION WITH ELEVATOR MANUFACTURER. SEE DETAIL 2 / S202.
9. WHERE TIE BEAMS INTERSECT WITH FOOTINGS, RUN REINFORCEMENT CONTINUOUS THROUGH FOOTINGS.
10. LIGHT GAUGE METAL FRAMING CONTRACTOR TO DESIGN FULL-HEIGHT OF WALL FOR ±16 PSF WIND LOAD. COORDINATE WALL LATERAL SUPPORT AT ROOF WITH PEMB MANUFACTURER.
11. CONTRACTOR TO COORDINATE FINAL LOCATIONS OF FOOTINGS WITH PEMB STRUCTURE. COORDINATE DOWNSPOUT PENETRATIONS AND SLEEVES AT FOOTINGS.
12. DIMENSIONS MARKED WITH *** SHALL BE VERIFIED WITH THE PEMB MANUFACTURER. 4
13. THIS DIMENSION IS BASED ON A MAXIMUM PEMB COLUMN DEPTH OF 3'-1" AT THE MEZZANINE LEVEL. AS WELL AS A 1 1/2" CLEAR DISTANCE FROM THE PEMB STRUCTURE TO EDGE OF SLAB. THE MEZZANINE IS DESIGNED TO BE COMPLETELY SEPARATE FROM THE PEMB STRUCTURE AND FACADE. CONTRACTOR TO VERIFY WITH PEMB MANUFACTURER.
14. ALL FOUNDATIONS HAVE BEEN DESIGNED TO BE SUPPORTED ON SOIL IMPROVED USING RAMMED AGGREGATE PIERS. THESE PIERS SHALL PROVIDE AN ALLOWABLE SOIL BEARING PRESSURE OF 4,000 PSF.

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

EASTSIDE DEVELOPMENT CITY PROJECT NO. - 47732472

03-29-2024

LEES SUMMIT MUNICIPAL AIRPORT
LEES SUMMIT, MO

MARK	DATE	DESCRIPTION
9	08/26/2024	RFI 17
4	08/02/2024	ASI #01

PROJECT NO:	22001238-00
CAD DWG FILE:	Lee's Summit - Hangar 2.rvt
DESIGNED BY:	JER
DRAWN BY:	JER
CHECKED BY:	CWS
APPROVED BY:	CWS

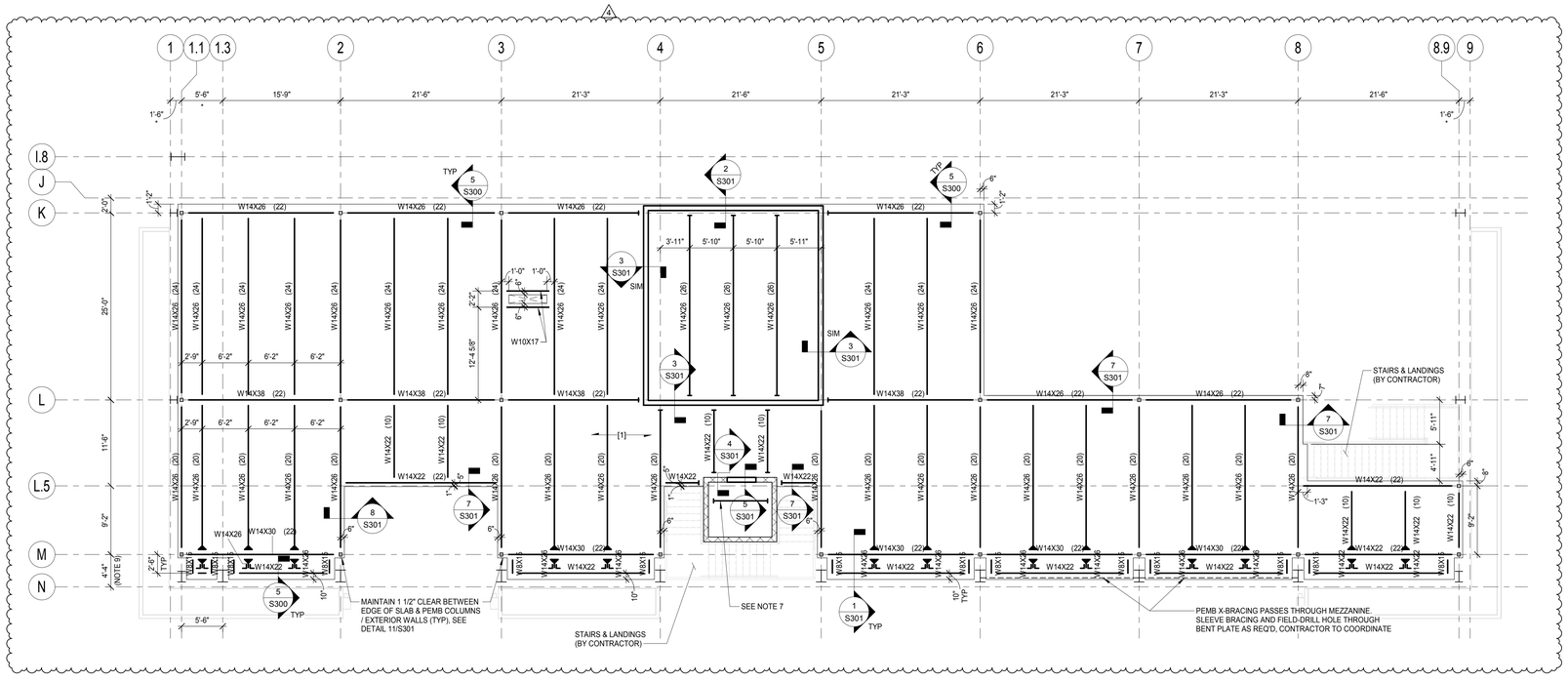
SHEET TITLE

FOUNDATION PARTIAL PLANS

S101

SHEET OF

8/26/2024 12:22:23 PM



1 LEVEL 2 FRAMING PLAN

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

FRAMING PLAN NOTES:

1. TOP OF SLAB AND REFERENCE ELEVATION = 114'-0", UNLESS OTHERWISE NOTED BY A (+) OR (-) FROM THIS ELEVATION.
2. TOP OF STEEL = (-0-5 1/2"), UNLESS OTHERWISE NOTED BY A (+) OR (-) FROM REFERENCE ELEVATION.
3. {1} INDICATES DIRECTION OF SPAN OF 2" - 20 GA COMPOSITE METAL DECK WITH 3 1/2" NORMAL WEIGHT CONCRETE FILL (TOTAL SLAB THICKNESS = 5 1/2"). REINFORCE WITH 6X6 W2.9XW2.9 WWR.
4. BEAMS ARE SPACED EVENLY BETWEEN GRID LINES, UNLESS OTHERWISE NOTED.
5. CONTRACTOR TO VERIFY ALL EDGE OF SLAB DIMENSIONS WITH ARCHITECTURAL DRAWINGS.
6. REFER TO ARCHITECTURAL DRAWINGS FOR WALL LOCATIONS, OPENINGS, AND ELEVATIONS.
7. CONTRACTOR TO COORDINATE ELEVATION & LOCATION OF W8X31 HOIST BEAM WITH ELEVATOR MANUFACTURER. BEAM TO BEAR ON CMU WALL PER DETAIL 7 / S400.
8. DIMENSIONS MARKED WITH *** SHALL BE VERIFIED WITH THE PEMB MANUFACTURER.
9. THIS DIMENSION IS BASED ON A MAXIMUM PEMB COLUMN DEPTH OF 3'-1" AT THE MEZZANINE LEVEL, AS WELL AS A 1 1/2" CLEAR DISTANCE FROM THE PEMB STRUCTURE TO EDGE OF SLAB. THE MEZZANINE IS DESIGNED TO BE COMPLETELY SEPARATE FROM THE PEMB STRUCTURE AND FACADE. CONTRACTOR TO VERIFY WITH PEMB MANUFACTURER. (4)

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

EASTSIDE DEVELOPMENT CITY
PROJECT NO. - 47732472

STATE OF MISSOURI
JAMES E. RONGISH
NUMBER
PE - 2021043194
PROFESSIONAL ENGINEER
03-29-2024

LEES SUMMIT MUNICIPAL AIRPORT
LEES SUMMIT, MO

MARK	DATE	DESCRIPTION
4	08/02/2024	ASI #01

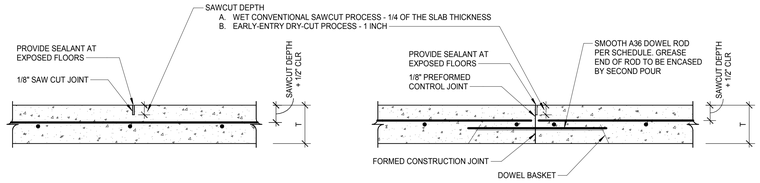
PROJECT NO:	22001238-00
CAD DWG FILE:	Lee's Summit - Hangar 2.rvt
DESIGNED BY:	JER
DRAWN BY:	JER
CHECKED BY:	CWS
APPROVED BY:	CWS

SHEET TITLE

MEZZANINE FRAMING PLAN

S102

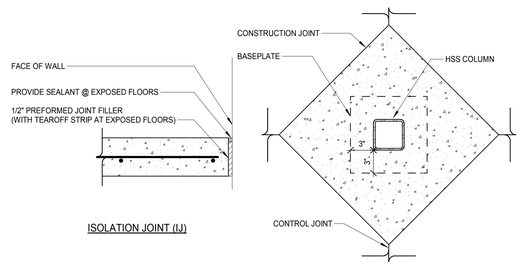
SHEET OF



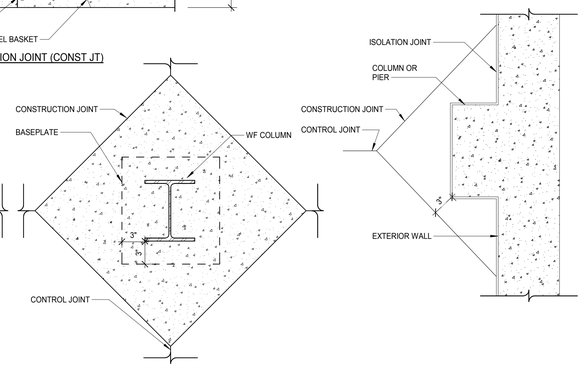
CONTROL JOINT (CJ)

CONSTRUCTION JOINT (CONST JT)

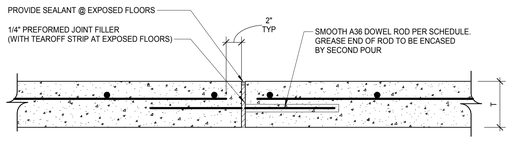
DOWEL ROD SIZE AND SPACING		
SLAB DEPTH	SMOOTH ROUND DOWEL DIMENSIONS	DOWEL SPACING, CENTER-TO -CENTER
6 TO 8 INCHES	3/4" DIA X 16" LONG	12 INCHES
8 TO 9 INCHES	1" DIA X 16" LONG	12 INCHES
9 TO 11 INCHES	1-1/4" DIA X 18" LONG	12 INCHES



ISOLATION JOINT (IJ)



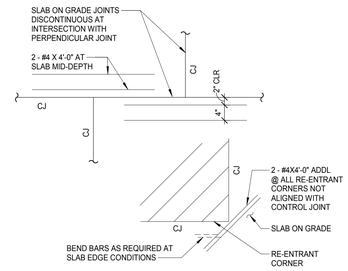
ISOLATION JOINT AT COLUMN



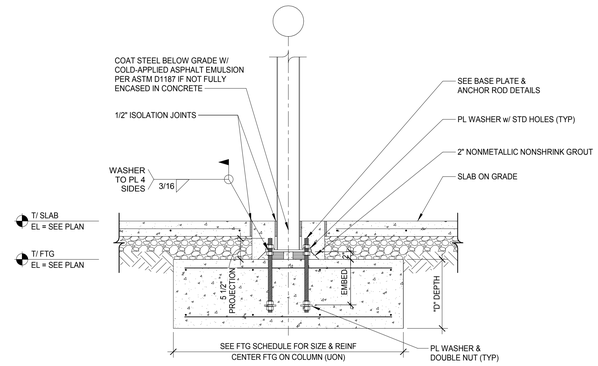
EXPANSION JOINT (EJ)

NOTES:
1. 'T' = SLAB DEPTH, SEE PLANS & NOTES.
2. THE TIMING OF THE SAWCUTS SHALL BE BASED ON ACTUAL JOB SITE CONDITIONS AT TIME OF PLACEMENT AND THE EXPERIENCE AND JUDGMENT OF THE SUBCONTRACTOR.
   A. WET CONVENTIONAL SAWCUTING AFTER SLAB PLACEMENT SHALL BE PERFORMED NO LATER THAN 4 HOURS IN HOT WEATHER CONDITIONS AND 12 HOURS IN COLD WEATHER CONDITIONS.
   B. EARLY-ENTRY DRY-CUT SAW CUTTING AFTER SLAB PLACEMENT SHALL BE PERFORMED NO LATER THAN 1 HOUR IN HOT WEATHER CONDITIONS AND 4 HOURS IN COLD WEATHER CONDITIONS.
3. JOINTS NOTED ON PLAN AS CJ MAY BE EITHER CONSTRUCTION JOINTS OR CONTROL JOINTS AT CONTRACTOR'S OPTION. JOINTS TERMINATING AT POUR SHALL BE CONSTRUCTION JOINTS, EXCEPT AT WALLS AND COLUMNS THESE ARE ISOLATION JOINTS. ALL OTHER JOINTS MARKED CJ ARE CONTROL JOINTS.
4. FILL OR SEAL JOINTS AS INDICATED OR SPECIFIED.
5. SEE PLANS FOR TYPICAL REINFORCING.
6. PROVIDE DOWEL BASKETS AND/OR ALIGNMENT DEVICES AT DOWELED JOINTS. THE DOWELS SHOULD BE PARALLEL TO THE TOP SURFACE, EACH OTHER, AND PERPENDICULAR TO THE JOINT FACE
7. SEE PLANS FOR JOINT LOCATIONS.

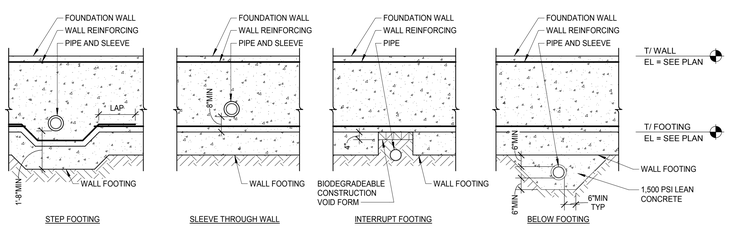
1 TYPICAL SLAB ON GRADE JOINTS
SCALE = 1 1/2" = 1'-0"



2 TYPICAL RE-ENTRANT CORNER REINFORCING DETAIL
SCALE = 3/4" = 1'-0"

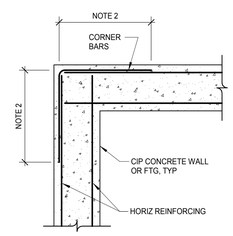


3 TYPICAL INTERIOR SPREAD FOOTING DETAIL
SCALE = 3/4" = 1'-0"

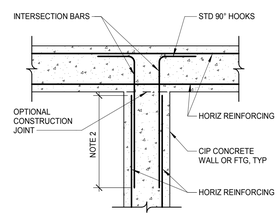


NOTES:
1. DIAMETER OF SLEEVE FOR PIPE SHALL BE 2" LARGER THAN PIPE DIAMETER. INSTALL PIPE AT CENTER OF SLEEVE.

4 TYPICAL FOUNDATION WALL PENETRATION
SCALE = 3/8" = 1'-0"



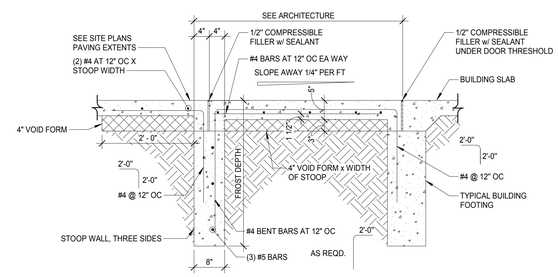
TYPICAL CORNER DETAIL



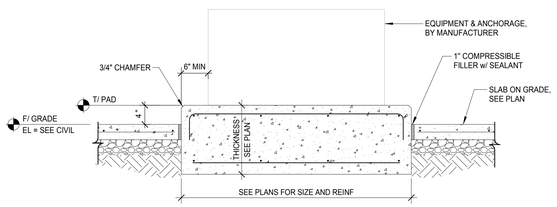
TYPICAL "T"-INTERSECTION DETAIL

NOTES:
1. CORNER BARS & INTERSECTION BARS SHALL HAVE SAME SIZE AND SPACING AS HORIZONTAL BARS.
2. FOR CORNER BAR AND INTERSECTION BAR LAP LENGTH, USE LAP SPICE DIMENSION SHOWN IN STRUCTURAL GENERAL NOTES FOR "ALL OTHER BARS", OR 2'-0" MIN.
3. VERTICAL REINFORCEMENT NOT SHOWN FOR CLARITY.
4. DO NOT PLACE VERTICAL CONSTRUCTION JOINTS WITHIN 5'-0" OF CORNER.

5 TYPICAL GRADE BEAM / FOOTING CORNER / T-INTERSECTION REINFORCING
SCALE = 3/4" = 1'-0"



6 TYPICAL STOOP DETAIL
SCALE = 3/4" = 1'-0"



NOTES:
1. COORDINATE LOCATION OF PADS WITH MEP DRAWINGS AND EQUIPMENT SUPPLIERS.
2. CONTRACTOR SHALL VERIFY THAT ALL ITEMS REQUIRED BY THE EQUIPMENT THAT ARE REQUIRED TO BE EMBEDDED INTO PADS ARE PLACED BEFORE PADS ARE POURED.
3. SUBGRADE TO BE COMPACTED PER GEOTECHNICAL RECOMMENDATIONS.

7 TYPICAL EQUIPMENT PAD
SCALE = 3/4" = 1'-0"

DETAILS REMOVED

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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
JAMES E. RONGISH
NUMBER PE-2021043194
PROFESSIONAL ENGINEER
03-29-2024

LEES SUMMIT MUNICIPAL AIRPORT
LEES SUMMIT, MO

MARK	DATE	DESCRIPTION
4	08/02/2024	ASI #01

PROJECT NO:	22001238-00
CAD DWG FILE:	Lee's Summit - Hangar 2.rvt
DESIGNED BY:	JER
DRAWN BY:	JER
CHECKED BY:	CWS
APPROVED BY:	CWS

SHEET TITLE
TYPICAL FOUNDATION DETAILS

S200
SHEET OF

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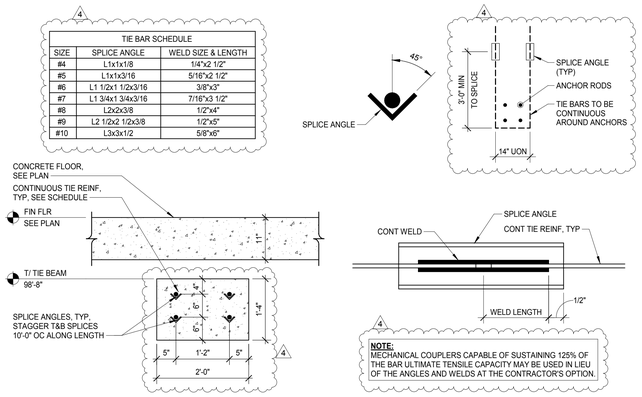
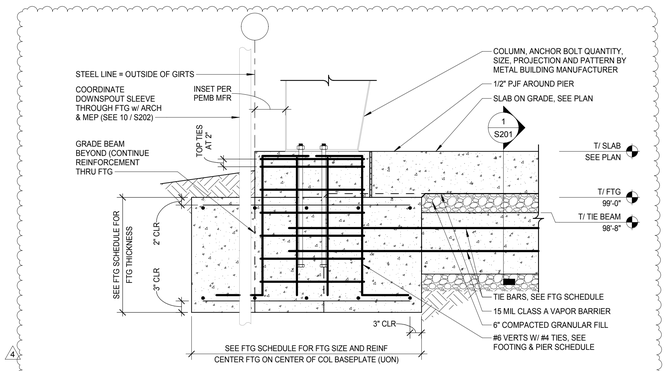
TIE BAR SCHEDULE		
SIZE	SPLICE ANGLE	WELD SIZE & LENGTH
#4	L1x1x1/8	1/4"x2 1/2"
#5	L1x1x3/16	5/16"x2 1/2"
#6	L1 1/2x1 1/2x3/16	3/8"x3"
#7	L1 3/4x1 3/4x3/16	7/16"x3 1/2"
#8	L2x2x3/8	1/2"x4"
#9	L2 1/2x2 1/2x3/8	1/2"x5"
#10	L3x3x1/2	5/8"x6"

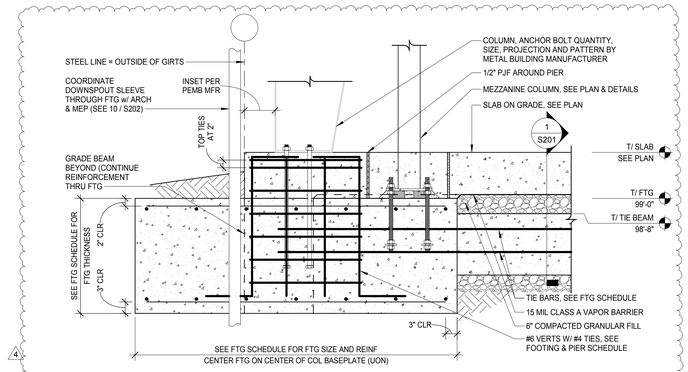


NOTE:
MECHANICAL COUPLERS CAPABLE OF SUSTAINING 125% OF THE BAR ULTIMATE TENSILE CAPACITY MAY BE USED IN LIEU OF THE ANGLES AND WELDS AT THE CONTRACTOR'S OPTION.

1 TYPICAL TIE BAR DETAIL
SCALE = 3/4" = 1'-0"

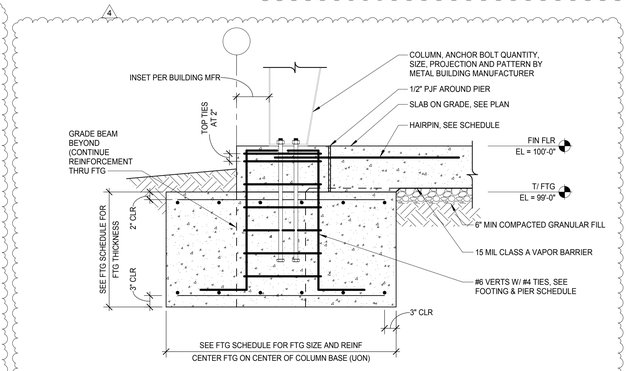


2 EXTERIOR COLUMN W/ TIE BARS - TYPICAL SECTION
SCALE = 3/4" = 1'-0"

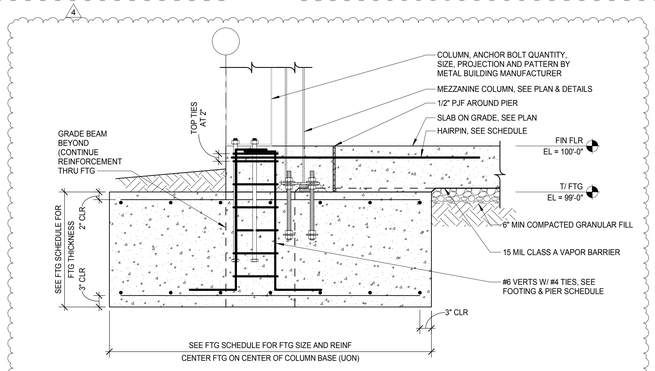


3 EXTERIOR COLUMN W/ TIE BARS - SECTION WITH MEZZANINE
SCALE = 3/4" = 1'-0"

DETAIL REMOVED



5 EXTERIOR COLUMN W/ HAIRPIN - TYPICAL SECTION
SCALE = 3/4" = 1'-0"

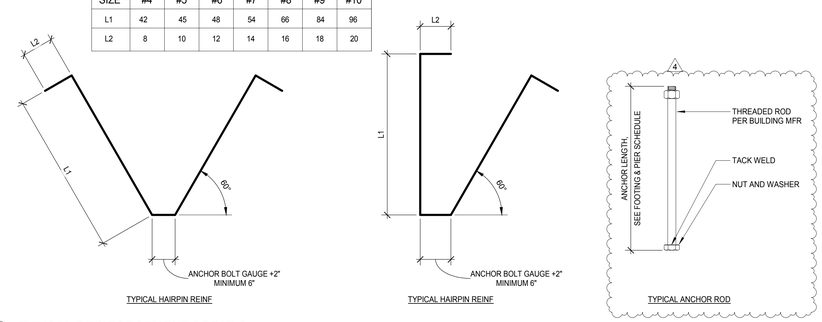


6 TYPICAL EXTERIOR COLUMN WITH HAIRPIN AT MEZZANINE
SCALE = 3/4" = 1'-0"

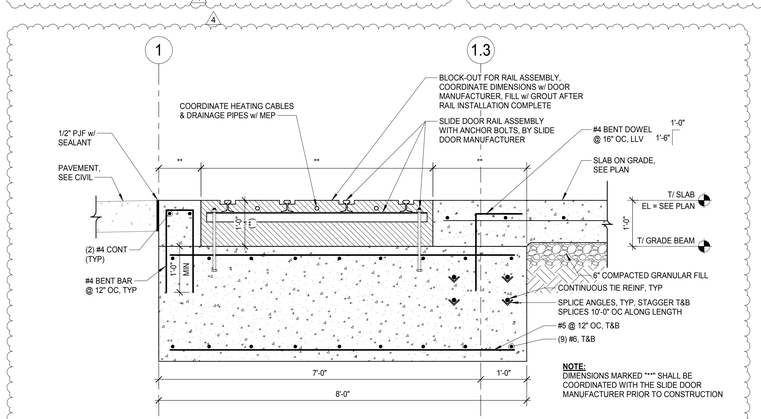
DETAIL REMOVED

DETAIL REMOVED

HAIRPIN REBAR DIMENSIONS (IN)							
SIZE	#4	#5	#6	#7	#8	#9	#10
L1	42	45	48	54	66	84	96
L2	8	10	12	14	16	18	20

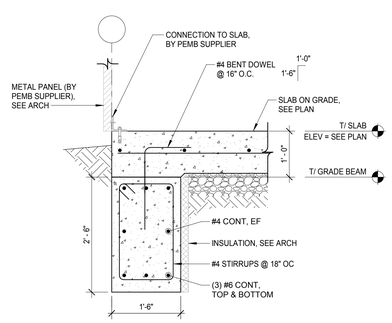


9 TYPICAL REINFORCEMENT DETAILS
SCALE = 3/4" = 1'-0"

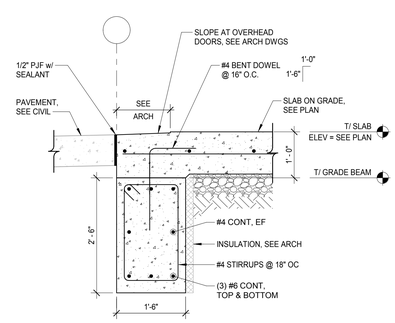


NOTE:
DIMENSIONS MARKED **** SHALL BE COORDINATED WITH THE SLIDE DOOR MANUFACTURER PRIOR TO CONSTRUCTION

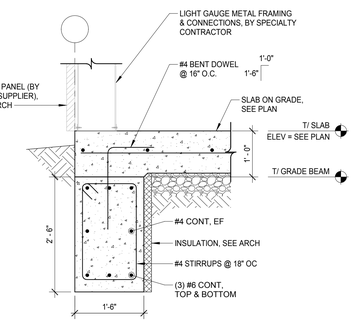
10 SECTION
SCALE = 3/4" = 1'-0"



11 SECTION
SCALE = 3/4" = 1'-0"



12 SECTION
SCALE = 3/4" = 1'-0"



13 SECTION
SCALE = 3/4" = 1'-0"

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

EASTSIDE DEVELOPMENT CITY
PROJECT NO. - 47732472

STATE OF MISSOURI
JAMES E. RONGISH
NUMBER PE-2021043194
PROFESSIONAL ENGINEER
03-29-2024

LEES SUMMIT MUNICIPAL AIRPORT
LEES SUMMIT, MO

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PROJECT NO:	22001238-00
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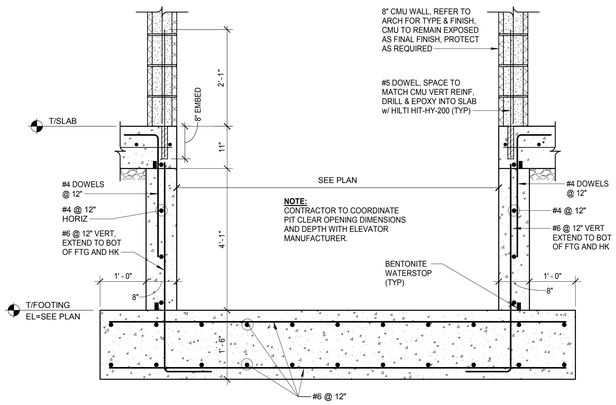
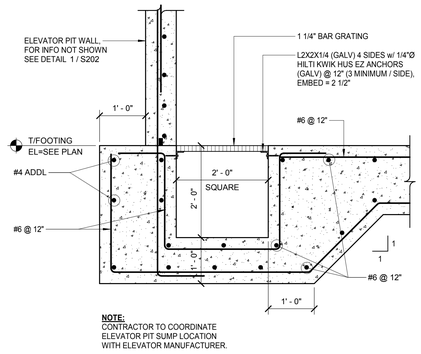
DESIGNED BY:	JER
DRAWN BY:	JER
CHECKED BY:	CWS
APPROVED BY:	CWS

SHEET TITLE
FOUNDATION DETAILS

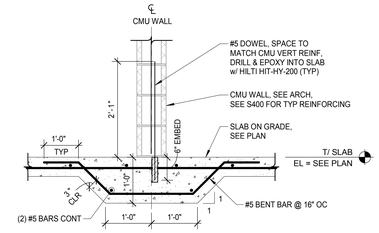
S201
SHEET OF



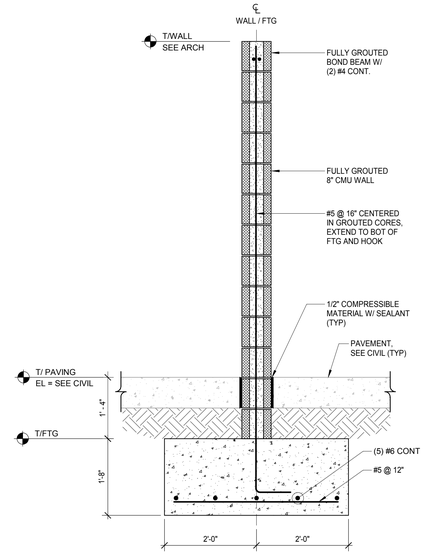
1 **SECTION**
SCALE = 3/4" = 1'-0"



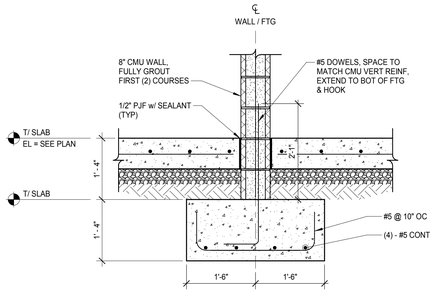
2 **SECTION**
SCALE = 3/4" = 1'-0"



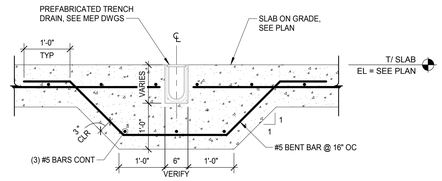
3 **SECTION**
SCALE = 3/4" = 1'-0"



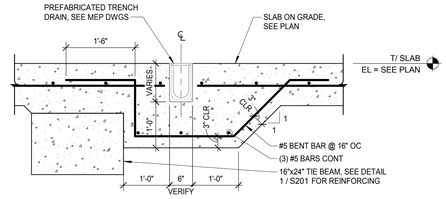
4 **SECTION**
SCALE = 3/4" = 1'-0"



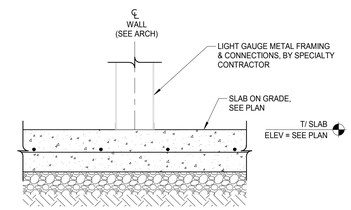
5 **SECTION**
SCALE = 3/4" = 1'-0"



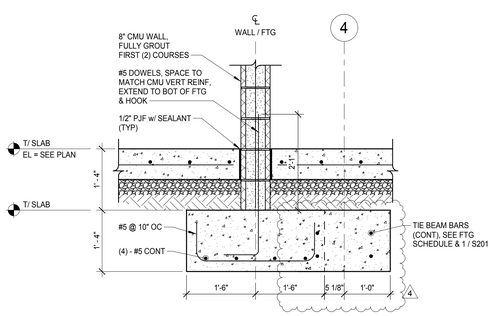
6 **SECTION**
SCALE = 3/4" = 1'-0"



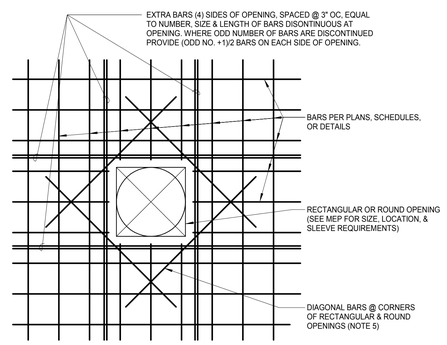
7 **SECTION**
SCALE = 3/4" = 1'-0"



8 **SECTION**
SCALE = 3/4" = 1'-0"



9 **SECTION**
SCALE = 3/4" = 1'-0"



NOTE:
1. THIS DETAIL IS TYPICAL EXCEPT AS NOTED OR DETAILED OTHERWISE.
2. BEFORE POURING CONCRETE THE CONTRACTOR SHALL VERIFY WITH OTHER TRADES THE SIZE AND THE LOCATION OF THE REQUIRED OPENINGS.
3. EVERY REBAR THAT DISCONTINUES AT AN OPENING SHALL BE REPLACED BY AN EXTRA REBAR PLACED AT THE SIDE OF THE OPENING AS SHOWN ABOVE. THE LENGTH OF THE EXTRA REBAR SHALL EQUAL THE LENGTH OF THE TYPICAL REBARS NOT DISCONTINUED AT THE OPENING, OR 8' MAX.
4. AT OPENINGS 12" OR LESS, NO EXTRA FULL LENGTH REBARS ARE REQUIRED UNLESS SHOWN OTHERWISE. SCHEDULED REBARS SHALL BE SPREAD (NOT CUT) TO ALLOW OPENING TO BE MADE.
5. DIAGONAL BARS SHALL BE PLACED AT 4 CORNERS OF OPENING AT 45° ANGLE AS FOLLOWS:
   -1 LAYER OF REINF: (1) - #5 x 4'-0" @ EACH CORNER
   -2 LAYERS OF REINF: (2) - #5 x 4'-0" @ EACH CORNER, (1) BAR IN EACH LAYER

10 **TYPICAL REINFORCING AT OPENINGS IN SLABS & FOOTINGS**
SCALE = 3/4" = 1'-0"

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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
JAMES E. RONGISH
NUMBER
PE-2021043194
PROFESSIONAL ENGINEER
03-29-2024

LEES SUMMIT MUNICIPAL AIRPORT
LEES SUMMIT, MO

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DESIGNED BY:	JER
DRAWN BY:	JER
CHECKED BY:	CWS
APPROVED BY:	CWS

SHEET TITLE
FOUNDATION DETAILS

S202
SHEET OF

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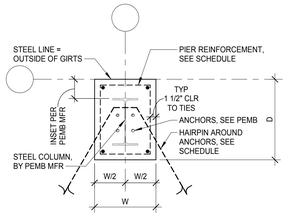
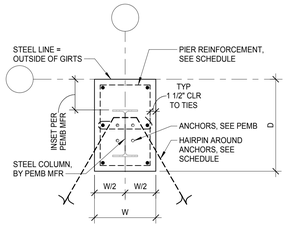
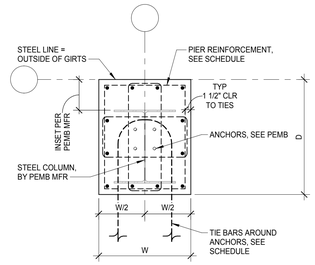


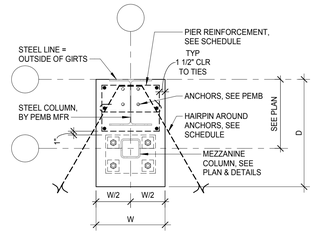
1 PIER TYPE "A" - (4) VERT BARS
SCALE = 3/4" = 1'-0"



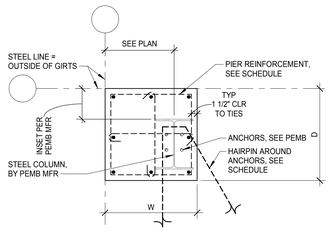
2 PIER TYPE "A" - (6) VERT BARS
SCALE = 3/4" = 1'-0"



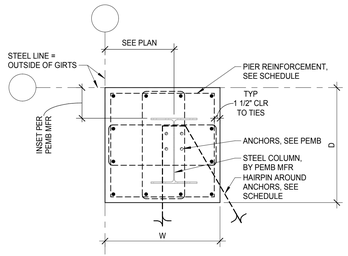
3 PIER TYPE "A" - (12) VERT BARS
SCALE = 3/4" = 1'-0"



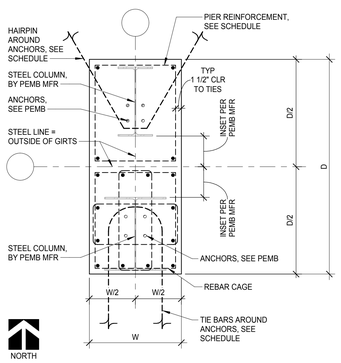
4 PIER TYPE "A" - (6) VERT BARS WITH MEZZANINE
SCALE = 3/4" = 1'-0"



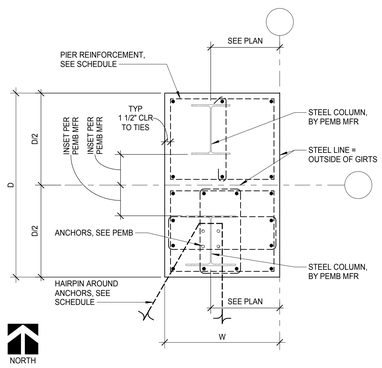
5 PIER TYPE "B" - (8) VERT BARS
SCALE = 3/4" = 1'-0"



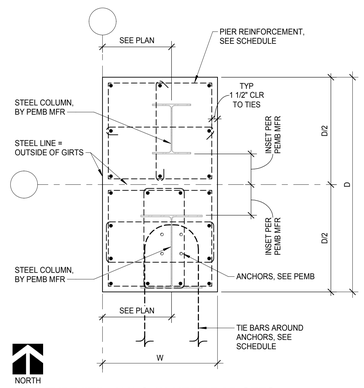
6 PIER TYPE "B" - (12) VERT BARS
SCALE = 3/4" = 1'-0"



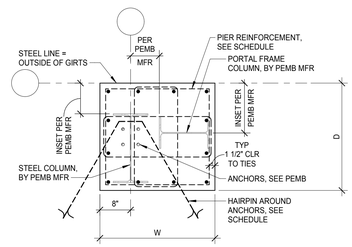
7 PIER TYPE "D"
SCALE = 3/4" = 1'-0"



8 PIER TYPE "E" - (12) & (6) VERT BAR SETS
SCALE = 3/4" = 1'-0"



9 PIER TYPE "E" - (12) & (8) VERT BAR SETS
SCALE = 3/4" = 1'-0"



10 PIER TYPE "F" - (12) VERT BARS
SCALE = 3/4" = 1'-0"

SHEET
ADDED
4

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APPROVED BY:	CWS

SHEET TITLE
PIER DETAILS

S203
SHEET OF

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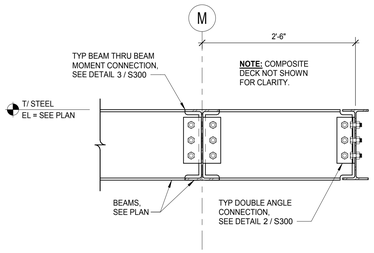
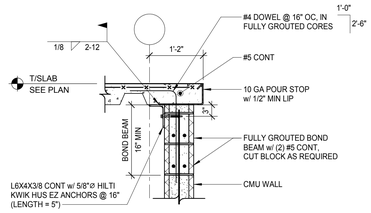


1 SECTION
SCALE = 1" = 1'-0"



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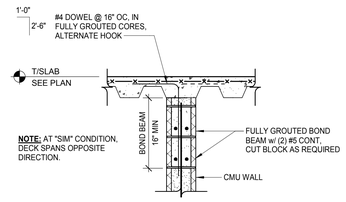
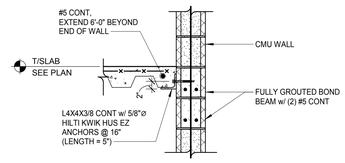
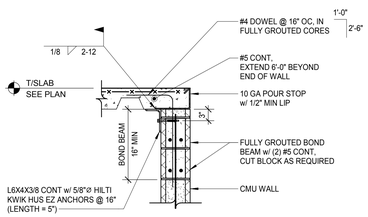


3 SECTION
SCALE = 3/4" = 1'-0"



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



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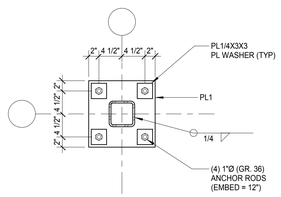
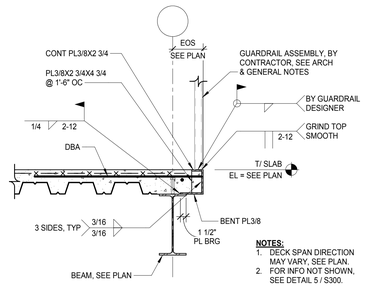
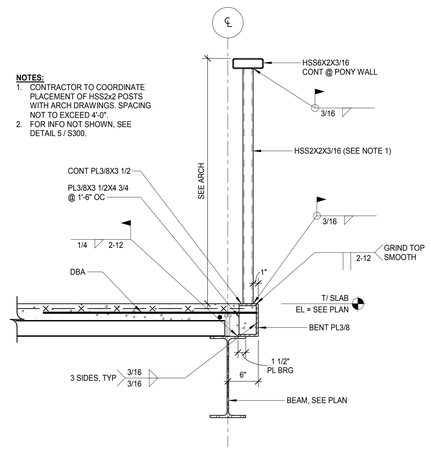
SCALE = 3/4" = 1'-0"



6 BASEPLATE 'BP1'
SCALE = 1" = 1'-0"



7 SECTION
SCALE = 3/4" = 1'-0"



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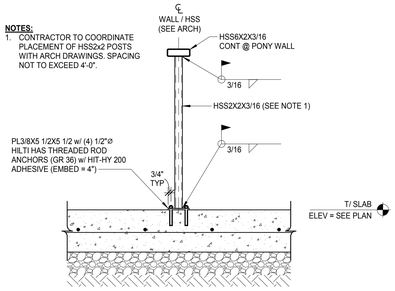

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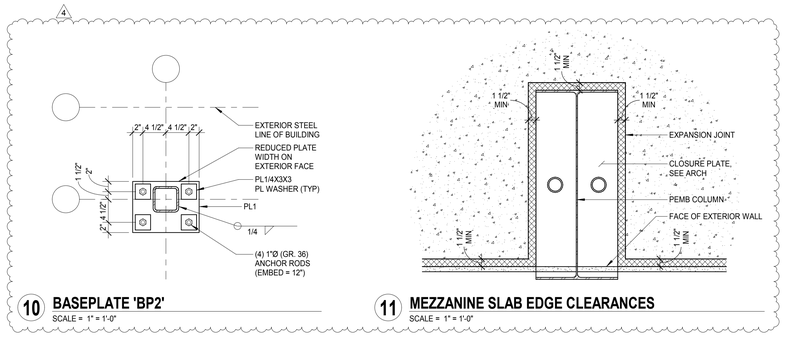

10 BASEPLATE 'BP2'
SCALE = 1" = 1'-0"

11 MEZZANINE SLAB EDGE CLEARANCES
SCALE = 1" = 1'-0"

8/2/2024 2:42:52 PM

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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
JAMES E. RONGISH
NUMBER
PE-2021043194
PROFESSIONAL ENGINEER
03-29-2024

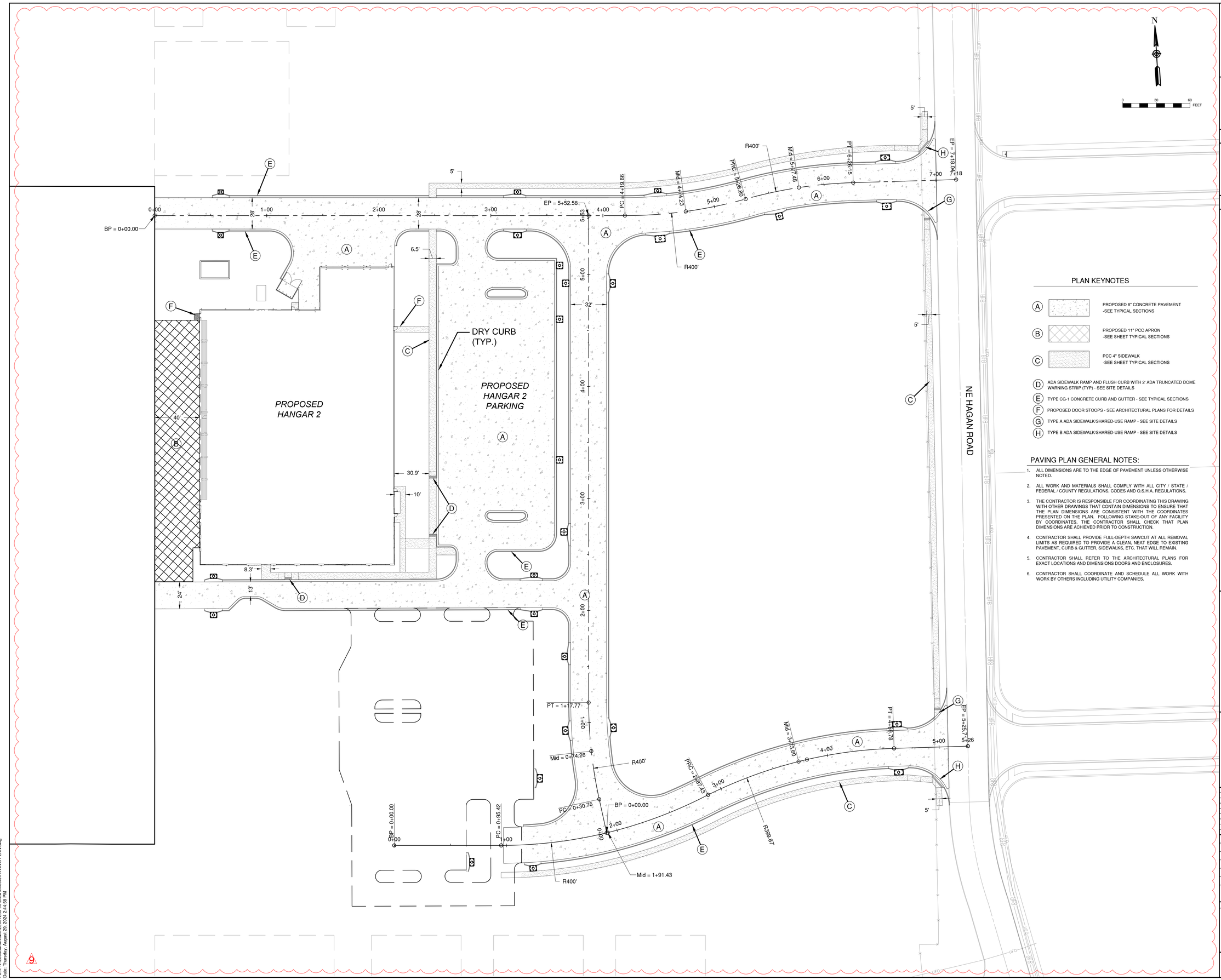
LEES SUMMIT MUNICIPAL AIRPORT
LEES SUMMIT, MO

MARK	DATE	DESCRIPTION
4	08/02/2024	ASI #01

PROJECT NO:	22001238-00
CAD DWG FILE:	Lee's Summit - Hangar 2.rvt
DESIGNED BY:	JER
DRAWN BY:	JER
CHECKED BY:	CWS
APPROVED BY:	CWS

SHEET TITLE
STEEL FRAMING DETAILS

S301
SHEET OF



PLAN KEYNOTES

- (A) PROPOSED 8" CONCRETE PAVEMENT -SEE TYPICAL SECTIONS
- (B) PROPOSED 11" PCC APRON -SEE SHEET TYPICAL SECTIONS
- (C) PCC 4" SIDEWALK -SEE SHEET TYPICAL SECTIONS
- (D) ADA SIDEWALK RAMP AND FLUSH CURB WITH 2' ADA TRUNCATED DOME WARNING STRIP (TYP) - SEE SITE DETAILS
- (E) TYPE CG-1 CONCRETE CURB AND GUTTER - SEE TYPICAL SECTIONS
- (F) PROPOSED DOOR STOOPS - SEE ARCHITECTURAL PLANS FOR DETAILS
- (G) TYPE A ADA SIDEWALK/SHARED-USE RAMP - SEE SITE DETAILS
- (H) TYPE B ADA SIDEWALK/SHARED-USE RAMP - SEE SITE DETAILS

PAVING PLAN GENERAL NOTES:

1. ALL DIMENSIONS ARE TO THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
2. ALL WORK AND MATERIALS SHALL COMPLY WITH ALL CITY / STATE / FEDERAL / COUNTY REGULATIONS, CODES AND O.S.H.A. REGULATIONS.
3. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING THIS DRAWING WITH OTHER DRAWINGS THAT CONTAIN DIMENSIONS TO ENSURE THAT THE PLAN DIMENSIONS ARE CONSISTENT WITH THE COORDINATES PRESENTED ON THE PLAN. FOLLOWING STAKE-OUT OF ANY FACILITY BY COORDINATES, THE CONTRACTOR SHALL CHECK THAT PLAN DIMENSIONS ARE ACHIEVED PRIOR TO CONSTRUCTION.
4. CONTRACTOR SHALL PROVIDE FULL-DEPTH SAWCUT AT ALL REMOVAL LIMITS AS REQUIRED TO PROVIDE A CLEAN, NEAT EDGE TO EXISTING PAVEMENT, CURB & GUTTER, SIDEWALKS, ETC. THAT WILL REMAIN.
5. CONTRACTOR SHALL REFER TO THE ARCHITECTURAL PLANS FOR EXACT LOCATIONS AND DIMENSIONS DOORS AND ENCLOSURES.
6. CONTRACTOR SHALL COORDINATE AND SCHEDULE ALL WORK WITH WORK BY OTHERS INCLUDING UTILITY COMPANIES.

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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
TYLER G. HORN
NUMBER PE-2018000214
PROFESSIONAL ENGINEER

SEALED DIGITALLY
JANUARY 4, 2024

LEE'S SUMMIT MUNICIPAL AIRPORT
LEE'S SUMMIT, MO

MARK	DATE	DESCRIPTION
9	09/13/24	REV-4

PROJECT NO: 47732472
CAD DWG FILE: PAVING PLAN
DESIGNED BY: WLC
DRAWN BY: WLC
CHECKED BY: JRC
APPROVED BY: TGH

SHEET TITLE

PAVING PLAN

C103

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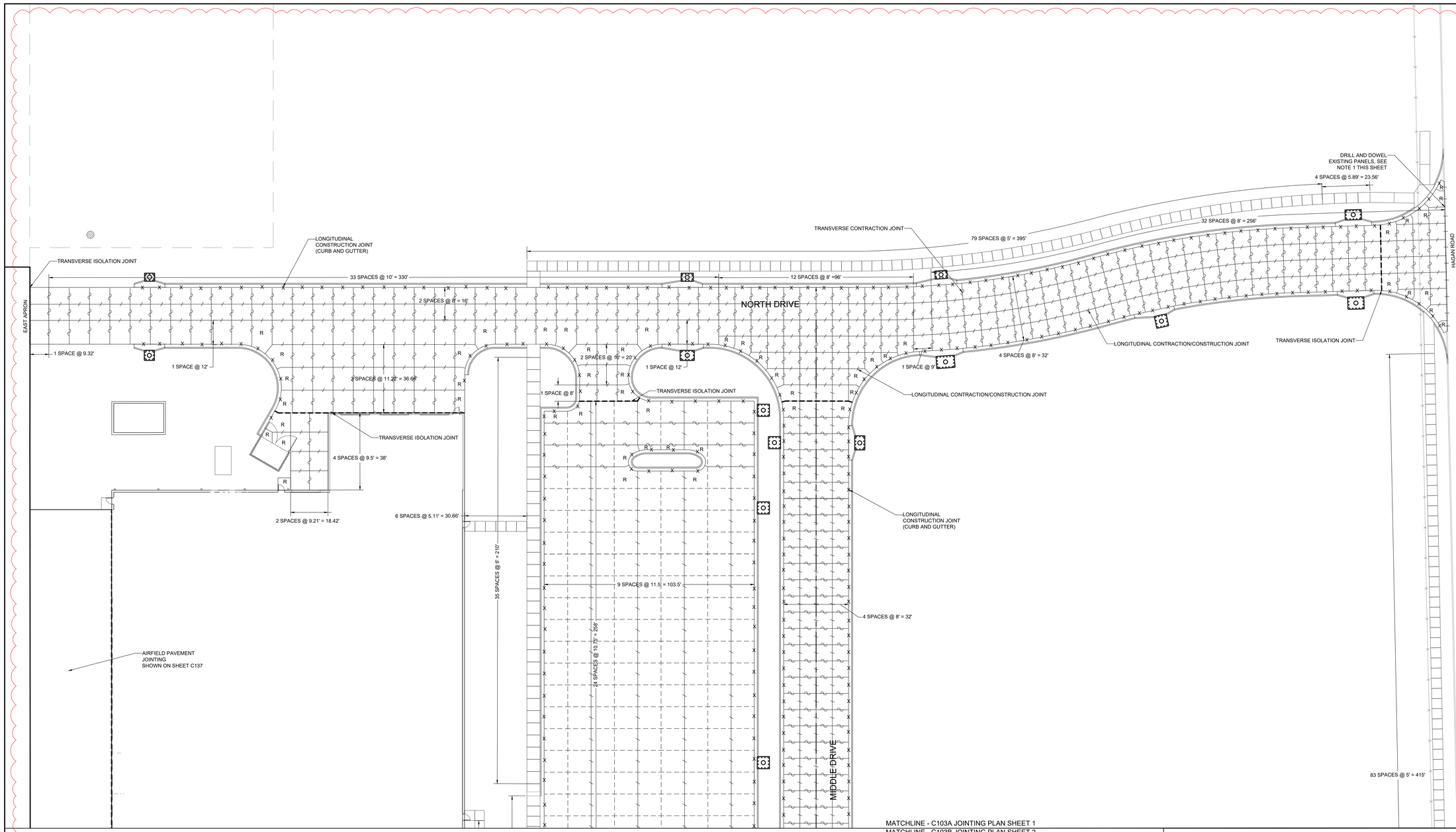

MATCHLINE - C103A JOINTING PLAN SHEET 1
MATCHLINE - C103B JOINTING PLAN SHEET 2

JOINTING NOTES

1. DRILL AND BOND DOWEL BARS INTO EXISTING PAVEMENT PRIOR TO PLACEMENT OF NEW PCC. MATCH EXISTING JOINTING.
2. LONGITUDINAL CONSTRUCTION JOINT NOT NEEDED IF CURB AND GUTTER IS MONOLITHICALLY POURED.
3. L-SHAPED BARS ARE ACCEPTABLE FOR CONSTRUCTION JOINTS.
4. JOINTS ARE PRESENTED BASED ON AN EXPECTED PAVING PLAN FOR THIS PROJECT. CONTRACTOR MAY ELECT TO PAVE THE SITE DIFFERENTLY, HOWEVER, CONTRACTOR MUST PREPARE AND SUBMIT PAVING PLAN WITH AN ALTERNATIVE JOINTING PLAN TO ENGINEER FOR REVIEW. PAVING PLAN AND ALTERNATIVE JOINTING PLAN SHALL BE SUBMITTED AT LEAST 10 CALENDAR DAYS IN ADVANCE OF ANY SCHEDULED PAVES. NO ADDITIONAL COSTS TO THE CONTRACT SHALL BE INCURRED BY THE OWNER FOR THE PREPARATION OF AN ALTERNATIVE JOINTING PLAN. NO ADDITIONAL COSTS TO THE CONTRACT SHALL BE INCURRED BY THE OWNER IF AN ALTERNATIVE JOINTING PLAN IS ACCEPTED.
5. SEE SHEETS C138B FOR JOINTING DETAILS.
6. SEE SHEET C138 FOR ODD SHAPE PANEL REINFORCEMENT.

LEGEND

- TRANSVERSE ISOLATION JOINT
- TRANSVERSE CONSTRUCTION JOINT
- DUMMY CONTRACTION JOINT
- LONGITUDINAL CONSTRUCTION JOINT (CURB AND GUTTER)
- LONGITUDINAL CONTRACTION/CONSTRUCTION JOINT
- TRANSVERSE CONTRACTION JOINT
- PANEL WITH THICKENED EDGE
- R — ODD-SHAPED PANEL WITH MESH REINFORCEMENT

N
TRUE
0 20 40 FEET

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

EASTSIDE DEVELOPMENT
CITY PROJECT NO. - 47732472

STATE OF MISSOURI
TYLER G. HORN
NUMBER PE-2018000214
PROFESSIONAL ENGINEER

SEALED DIGITALLY
JANUARY 4, 2024

LEE'S SUMMIT MUNICIPAL AIRPORT
LEE'S SUMMIT, MO

MARK	DATE	DESCRIPTION
9	09/13/24	REV-4

PROJECT NO: 47732472
CAD DWG FILE: JOINTING PLAN 2.0
DESIGNED BY: WLC
DRAWN BY: WLC
CHECKED BY: JRC
APPROVED BY: TGH

SHEET TITLE

PAVEMENT JOINTING PLAN SHEET 1 OF 2

C103A

9

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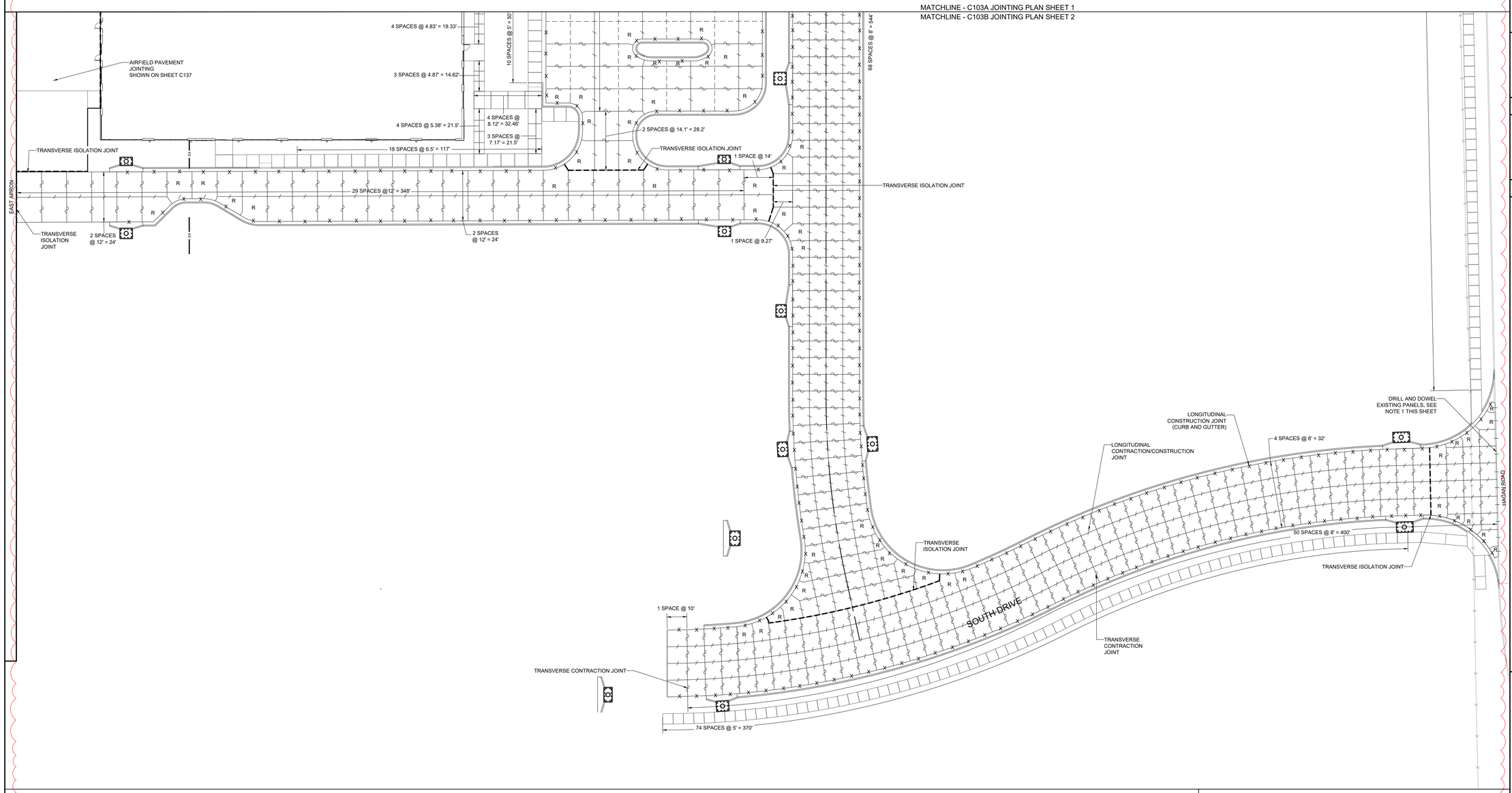

JOINTING NOTES

1. DRILL AND BOND DOWEL BARS INTO EXISTING PAVEMENT PRIOR TO PLACEMENT OF NEW PCC. MATCH EXISTING JOINTING.
2. LONGITUDINAL CONSTRUCTION JOINT NOT NEEDED IF CURB AND GUTTER IS MONOLITHICALLY POURED.
3. L-SHAPED BARS ARE ACCEPTABLE FOR CONSTRUCTION JOINTS BUT SHALL REQUIRE EPOXY BE APPLIED TO ALL DOWEL BARS.
4. JOINTS ARE PRESENTED BASED ON AN EXPECTED PAVING PLAN FOR THIS PROJECT. CONTRACTOR MAY ELECT TO PAVE THE SITE DIFFERENTLY, HOWEVER, CONTRACTOR MUST PREPARE AND SUBMIT PAVING PLAN WITH AN ALTERNATIVE JOINTING PLAN TO ENGINEER FOR REVIEW. PAVING PLAN AND ALTERNATIVE JOINTING PLAN SHALL BE SUBMITTED AT LEAST 10 CALENDAR DAYS IN ADVANCE OF ANY SCHEDULED PAVES. NO ADDITIONAL COSTS TO THE CONTRACT SHALL BE INCURRED BY THE OWNER FOR THE PREPARATION OF AN ALTERNATIVE JOINTING PLAN. NO ADDITIONAL COSTS TO THE CONTRACT SHALL BE INCURRED BY THE OWNER IF AN ALTERNATIVE JOINTING PLAN IS ACCEPTED.
5. SEE SHEETS C138A-C138B FOR JOINTING DETAILS

LEGEND

	TRANSVERSE ISOLATION JOINT
	TRANSVERSE CONSTRUCTION JOINT
	DUMMY CONTRACTION JOINT
	LONGITUDINAL CONSTRUCTION JOINT (CURB AND GUTTER)
	LONGITUDINAL CONTRACTION/CONSTRUCTION JOINT
	TRANSVERSE CONTRACTION JOINT
	PANEL WITH THICKENED EDGE
R	ODD-SHAPED PANEL WITH MESH REINFORCEMENT

N
TRUE
0 20 40 FEET

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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
TYLER G. HORN
NUMBER PE-2018000214
PROFESSIONAL ENGINEER

SEALED DIGITALLY
JANUARY 4, 2024

LEE'S SUMMIT MUNICIPAL AIRPORT
LEE'S SUMMIT, MO

MARK	DATE	DESCRIPTION
9	09/13/24	REV-4

PROJECT NO: 47732472
CAD DWG FILE: JOINTING PLAN 2.0
DESIGNED BY: WLC
DRAWN BY: WLC
CHECKED BY: JRC
APPROVED BY: TGH

SHEET TITLE

PAVEMENT JOINTING PLAN SHEET 2 OF 2

C103B

SHEET ---- OF 133

9

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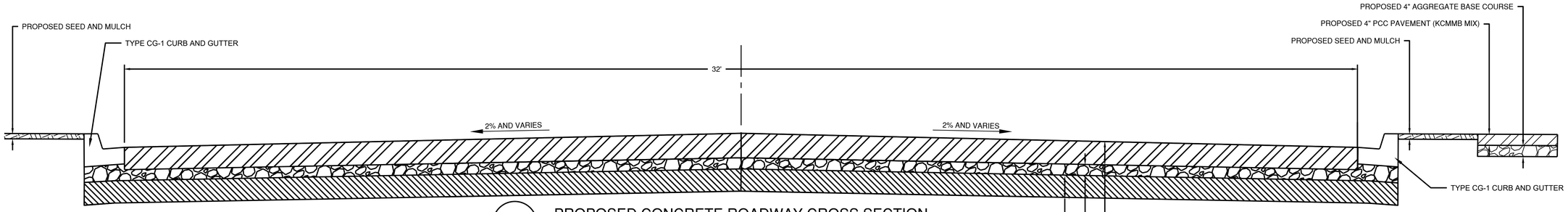
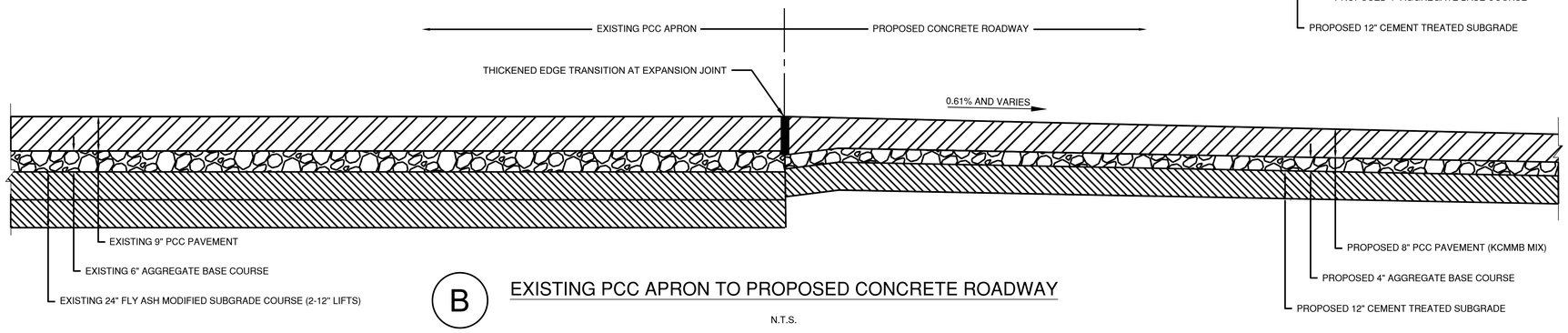


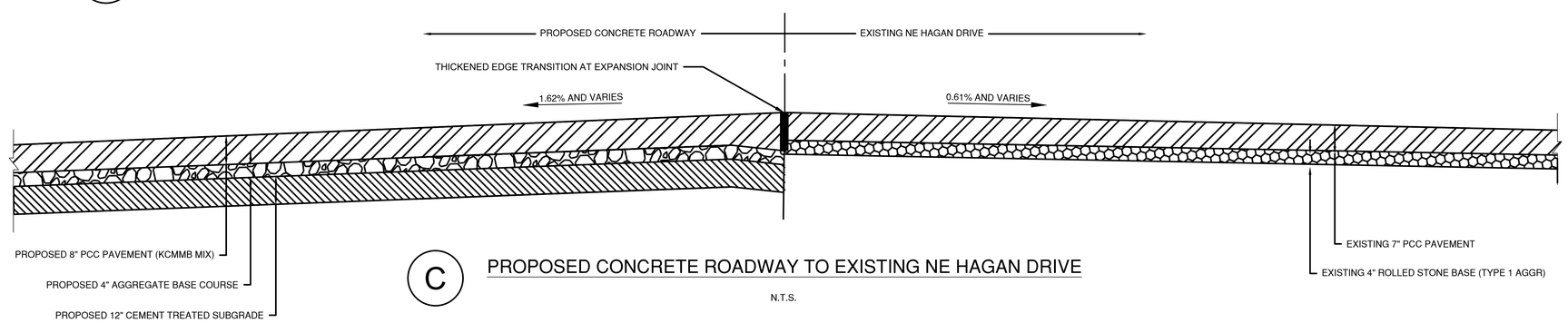
A PROPOSED CONCRETE ROADWAY CROSS SECTION

N.T.S.



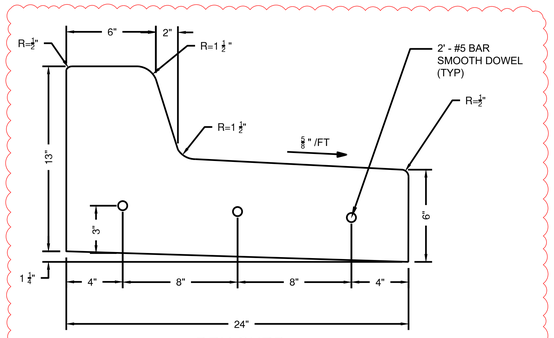
B EXISTING PCC APRON TO PROPOSED CONCRETE ROADWAY

N.T.S.

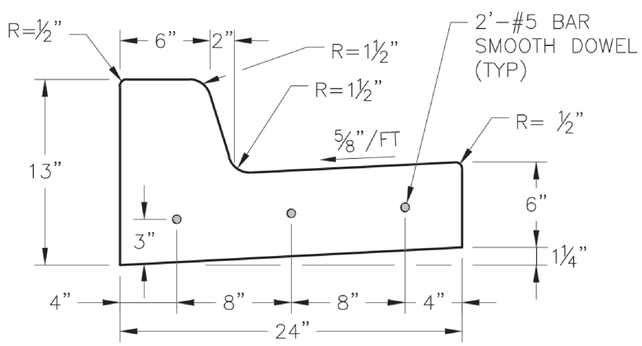


C PROPOSED CONCRETE ROADWAY TO EXISTING NE HAGAN DRIVE

N.T.S.



DRY CURB



NOTES:

1. ½" EXPANSION JOINTS WITH 2' DOWELS SHALL BE PLACED AT RADIUS POINTS AND AT 150' INTERVALS. THESE DOWELS SHALL BE GREASED AND WRAPPED ON ONE END WITH EXPANSION TUBES.
2. 1" DEEP CONTRACTION JOINTS SHALL BE INSTALLED TO MATCH TRANSVERSE JOINTS OF THE ADJACENT PAVEMENT. THESE JOINTS SHALL PASS ACROSS THE ENTIRE CURB SECTION.
3. FIX DOWELS WITH BAR SUPPORTS
4. CONCRETE SHALL CONFORM TO KCMMB 4K UNLESS OTHERWISE SPECIFIED IN THE PLANS AND PROJECT MANUAL. SEE SECTION 02290 - CURBING.
5. AT CENTER MARKS - USE ⅝" Ø X 2' SMOOTH DOWELS AT LOCATIONS SHOWN ON EACH TYPICAL SECTION.
6. DEPTH OF CURB SHALL BE MINIMUM OF 8" THRU THE HANDICAP ACCESS RAMP.
7. JOINT NOT NEEDED IF CURB & GUTTER IS MONOLITHICALLY POURED
8. FOR DRY CURBS, GUTTERS WILL BE SLOPED TO DRAIN WATER AWAY FROM THE FACE OF CURB. GRADE WILL BE THE SAME AS REGULAR CURB.

* DRAWING COURTESY OF KANSAS CITY, MO PUBLIC WORKS DEPARTMENT, ENGINEERING DIVISION: STANDARD DRAWING NUMBER C

D STRAIGHT BACK CURB AND GUTTER (TYPE CG-1)

N.T.S.

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

EASTSIDE DEVELOPMENT
CITY PROJECT NO. - 47732472

STATE OF MISSOURI
TYLER G. HORN
NUMBER PE-2018000214
PROFESSIONAL ENGINEER

SEALED DIGITALLY
JANUARY 4, 2024

LEE'S SUMMIT MUNICIPAL AIRPORT
LEE'S SUMMIT, MO

MARK	DATE	DESCRIPTION
9	09/13/24	REV-4

PROJECT NO: 47732472
CAD DWG FILE: TYPICAL SECTIONS
DESIGNED BY: WLC
DRAWN BY: WLC
CHECKED BY: JRC
APPROVED BY: TGH

SHEET TITLE

TYPICAL SECTIONS - SHEET 1

C127

SHEET 040 OF 133

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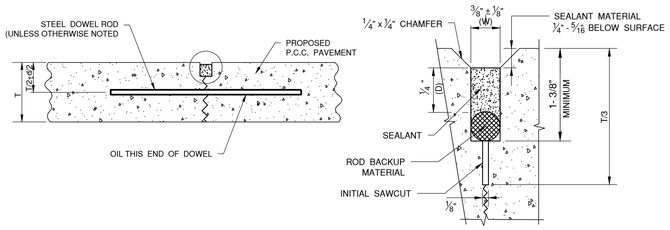
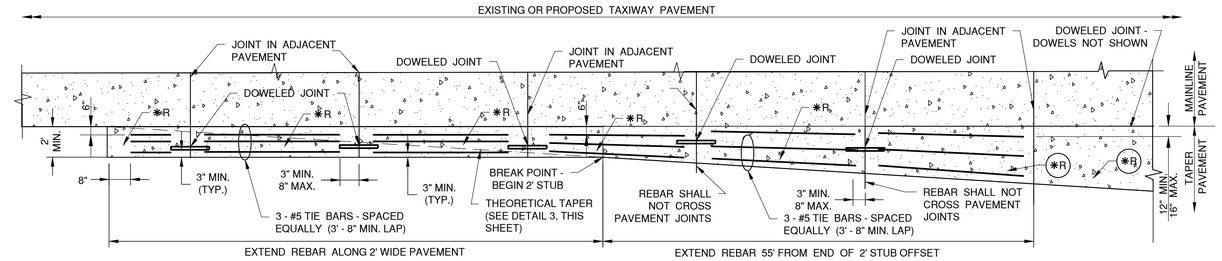
CONTRACTION JOINTS



TYPE C DOWELED

SYMBOL

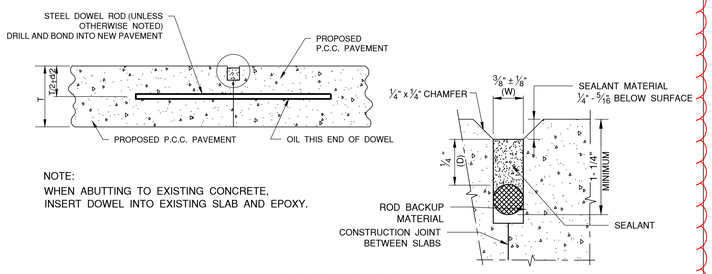


R = ODD SHAPED PANEL REINFORCEMENT SEE DETAILS THIS SHEET

FILLET TAPER DETAIL

NOT TO SCALE

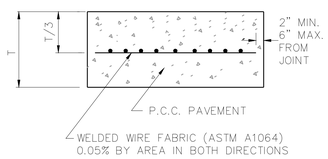
CONSTRUCTION JOINTS



NOTE:
WHEN ABUTTING TO EXISTING CONCRETE, INSERT DOWEL INTO EXISTING SLAB AND EPOXY.

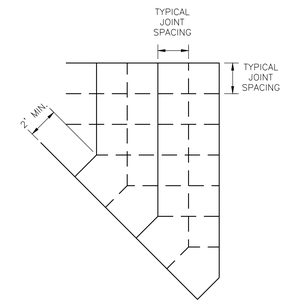
TYPE E DOWELED

SYMBOL



ODD SHAPED PANEL REINFORCEMENT

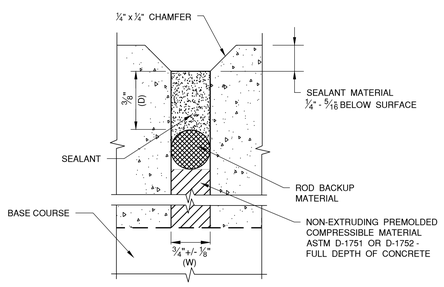
SYMBOL R

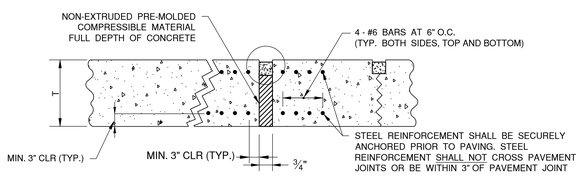


JOINTING AT SKEWED EDGE

NOT TO SCALE

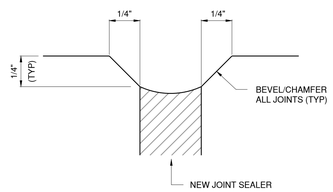
EXPANSION JOINTS





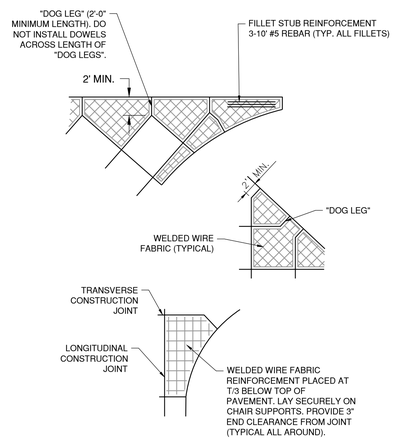
TYPE A ISOLATION

SYMBOL



CHAMFER/BEVEL JOINT DETAIL

NOT TO SCALE



TYPICAL FILLET AND REINFORCEMENT DETAILS

NOT TO SCALE

DIMENSION TABLES

TABLE 1

PAVEMENT THICKNESS T – INCHES	DEPTH OF CONTRACTION JOINT INITIAL SAW CUT T, INCHES T=(T/3) ±1/4"
8"	T=2.67" ±1/4"
11"	T=3.67" ±1/4"

TABLE 2

PAVEMENT THICKNESS T – INCHES	DOWEL BAR DETAILS			TIE BAR DETAILS		
	DIA. (d)	LENGTH	SPACING	BAR SIZE	LENGTH	SPACING
6"–7"	3/4"	18"	12"	#5	30"	30"
7.5"–12"	1"	18"	12"	#5	30"	30"
12.5"–16"	1 1/4"	20"	15"	#5	30"	30"
16.5"–20"	1 1/2"	20"	18"	#5	30"	30"
20.5"–24"	2"	24"	18"	#5	30"	30"

NOTES:

1. ALL EDGES OF NEW SLABS, FREE STANDING OR CLOSURE, SHALL BE EDGED WITH AN APPROVED TOOL HAVING A RADIUS OF 1/8" TO 1/4" TO FACILITATE SAWING OF THE SEALANT RESERVOIR. A RADIUS > 1/4" WILL NOT BE ACCEPTABLE.
2. THE INITIAL SAWCUT FOR ALL LONGITUDINAL AND TRANSVERSE CONTRACTION JOINTS SHALL BE SAWED AS SOON AS POSSIBLE AFTER PLACEMENT OF THE PAVEMENT. SAWING OF LONGITUDINAL CONTRACTION JOINTS ADJACENT TO THICKENED EDGES SHALL BE GIVEN PRIORITY OVER OTHER LONGITUDINAL JOINT SAWING.
3. ALL DOWEL BARS SHALL BE SECURELY HELD IN PLACE BY MEANS OF A DOWEL BAR ASSEMBLY WHICH WILL ENSURE THAT THEY WILL REMAIN PARALLEL TO THE PAVEMENT LANES. THE DOWEL BAR ASSEMBLIES SHALL BE APPROVED BY THE ENGINEER PRIOR TO INSTALLATION. ALTERNATE METHODS OF PLACEMENT OF DOWEL BARS MAY BE PROPOSED BY THE CONTRACTOR, TO BE APPROVED BY THE ENGINEER. TRANSVERSE DOWEL BAR IMPLANTING WILL NOT BE ALLOWED.
4. ALL TIE BARS AND MESH SHALL BE SECURELY HELD IN PLACE BY SUPPORT PINS OR PLACED BY OTHER APPROVED METHODS TO PREVENT SHIFTING DURING AND AFTER CONCRETE PLACEMENT.
5. TIE BARS SHALL BE DEFORMED BARS IN CONFORMANCE WITH ASTM A706, EXCEPT THAT RAIL STEEL BARS, GRADE 50 OR 60 SHALL NOT BE USED FOR THE BARS THAT ARE TO BE BENT OR RE-STRAIGHTEND DURING CONSTRUCTION. TIE BARS DESIGNATED AS GRADE 40 IN ASTM A706 CAN BE USED FOR CONSTRUCTION REQUIRING BENT BARS.
6. THE INITIAL SAWCUT SHALL BE MADE TO THE 1/8" WIDTH INDICATED. INITIAL SAWING TO THE DIMENSION OF THE SECOND SAWCUT WILL NOT BE ALLOWED.
7. JOINTS SHALL BE CLEAN AND DRY BEFORE SEALING OPERATIONS BEGIN.
8. SHOULD THE POURING OPERATIONS REQUIRE THE INSERTION OF AN INTERMEDIATE HEADER, A DOWEL BASKET ASSEMBLY OR OTHER APPROVED METHOD OF DOWEL BAR PLACEMENT SHALL BE REQUIRED.
9. EPOXY-COATED DOWEL BASKET ASSEMBLIES MAY BE PROPOSED BY THE CONTRACTOR TO BE APPROVED BY THE DESIGN PROFESSIONAL. DOWELS IN THE APPROVED BASKET ASSEMBLIES SHALL CONFORM TO TABLE 2.
10. CONTRACTOR SHALL CONSTRUCT A 1/4" CHAMFER ON ALL CONCRETE JOINTS PER THE DETAIL ON THIS SHEET.

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

EASTSIDE DEVELOPMENT
CITY PROJECT NO. - 47732472

STATE OF MISSOURI
TYLER G. HORN
NUMBER PE-2018000214
PROFESSIONAL ENGINEER

SEALED DIGITALLY
JANUARY 4, 2024

LEE'S SUMMIT MUNICIPAL AIRPORT
LEE'S SUMMIT, MO

MARK	DATE	DESCRIPTION
0	09/13/24	REV-4

PROJECT NO: 47732472
CAD DWG FILE: JOINTING DETAILS
DESIGNED BY: WLC
DRAWN BY: WLC
CHECKED BY: JRC
APPROVED BY: TGH

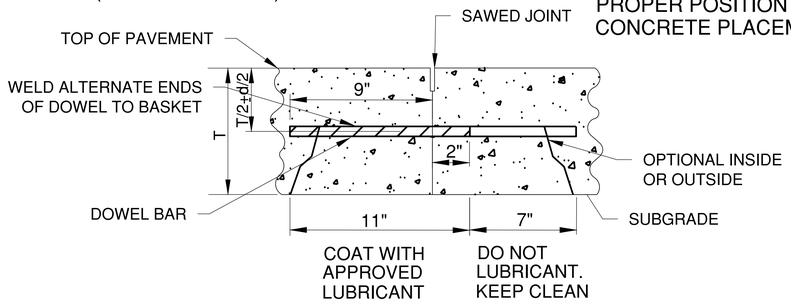
SHEET TITLE

AIRFIELD PAVEMENT JOINTING DETAILS

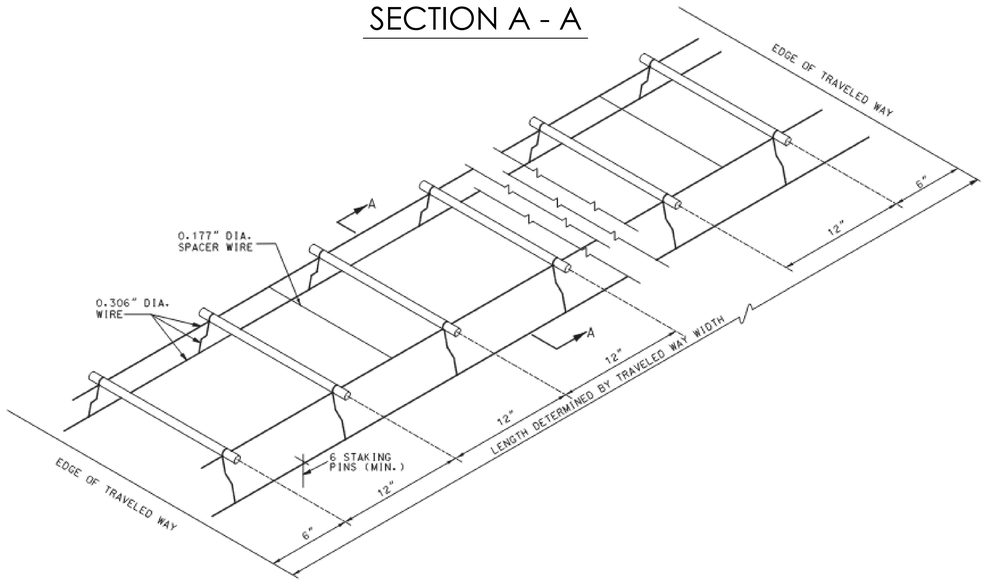
C138

FOR PAVEMENT HAVING THICKNESS IN 1/2" INCREMENT, DOWEL BASKET SHALL BE (THICKNESS - 1/2")/2

DIFFERENT LEG SHAPES MAY BE USED PROVIDED THE DOWEL BARS ARE MAINTAINED AT THE PROPER POSITION DURING CONCRETE PLACEMENT



SECTION A - A



DOWEL BAR ASSEMBLY

NOTES:

1. THE DOWEL SUPPORTING UNITS SHALL BE FACTORY ASSEMBLED AND CAPABLE OF HOLDING THE DOWELS IN THEIR REQUIRED POSITIONS. IN THE COMPLETED JOINT INSTALLATION, DOWELS SHALL BE POSITIONED WITHIN $\frac{1}{2}$" OF THE VERTICAL AND HORIZONTAL PLANE AND IN THE LONGITUDINAL DIRECTION. THE SKEW TOLERANCE SHALL BE $\frac{1}{4}$".
2. THE FREE END OF EACH EPOXY COATED DOWEL SHALL BE MARKED WITH A SPOT OF PAINT AT LEAST ONE INCH IN DIAMETER AND CONTRASTING IN COLOR WITH THE EPOXY COATING.
3. WIRE SIZES SHOWN ARE MINIMUM REQUIRED.
4. WIRES, BARS, OR CLIPS SHALL BE USED AS NECESSARY TO STRENGTHEN ASSEMBLIES.
5. THE DIAMETER OF THE SPACER WIRE SHALL NOT EXCEED 0.200".
6. SPACER WIRE MAY BE CUT OR LEFT INTACT.
7. STAKING PINS SHALL BE FABRICATED FROM 0.306" DIAMETER WIRE SHALL BE MINIMUM WITH A SUITABLE HOOK. STAKING PINS SHALL HAVE A MINIMUM LENGTH OF 12" FOR DOWEL ASSEMBLIES UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
8. MINOR VARIATIONS IN THE CONFIGURATION OF THE SUPPORT UNITS WILL BE ALLOWED.

9

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

EASTSIDE DEVELOPMENT
CITY PROJECT NO. - 47732472

STATE OF MISSOURI
TYLER G. HORN
NUMBER PE-2018000214
PROFESSIONAL ENGINEER

SEALED DIGITALLY
JANUARY 4, 2024

LEE'S SUMMIT MUNICIPAL AIRPORT
LEE'S SUMMIT, MO

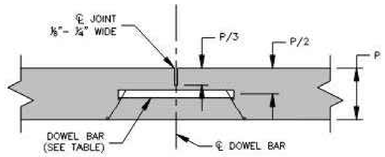
MARK	DATE	DESCRIPTION
9	09/13/24	REV-4

PROJECT NO: 47732472
CAD DWG FILE: JOINTING DETAILS
DESIGNED BY: WLC
DRAWN BY: WLC
CHECKED BY: JRC
APPROVED BY: TGH

SHEET TITLE

PAVEMENT JOINTING DETAILS

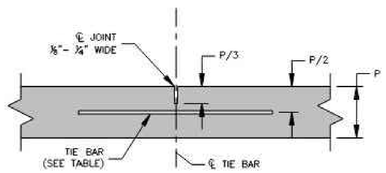
C138A



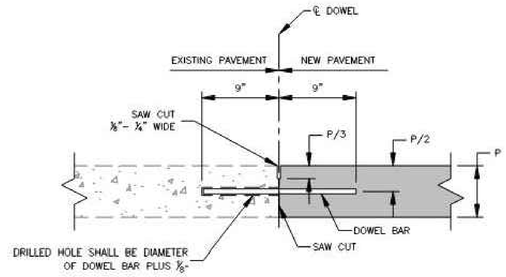
NOTE:

TRANSVERSE CONTRACTION JOINTS FOR CONCRETE PAVEMENT OR BASE WIDENING SHALL MATCH EXISTING JOINTS.

1 TRANSVERSE CONTRACTION JOINT



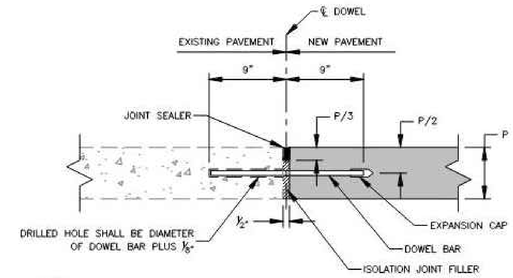
2 LONG. CONTRACTION/CONSTRUCTION JOINT



NOTES:

- DOWEL BARS SHALL BE SMOOTH REINFORCING BARS.
- DOWEL BARS SHALL BE BONDED INTO THE EXISTING PAVEMENT.
- BONDING FOR DOWEL BARS SHALL BE EPOXY OR POLYESTER BONDING AGENTS.
- THE PORTION OF THE DOWEL OUTSIDE THE HOLE SHALL BE COATED WITH AN APPROVED LUBRICANT.

3 TRANSVERSE CONSTRUCTION JOINT



NOTES:

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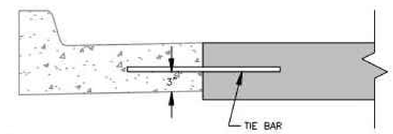
- BONDING FOR DOWEL BARS SHALL BE EPOXY OR POLYESTER BONDING AGENTS.
- THE PORTION OF THE DOWEL OUTSIDE THE HOLE SHALL BE COATED WITH AN APPROVED LUBRICANT.

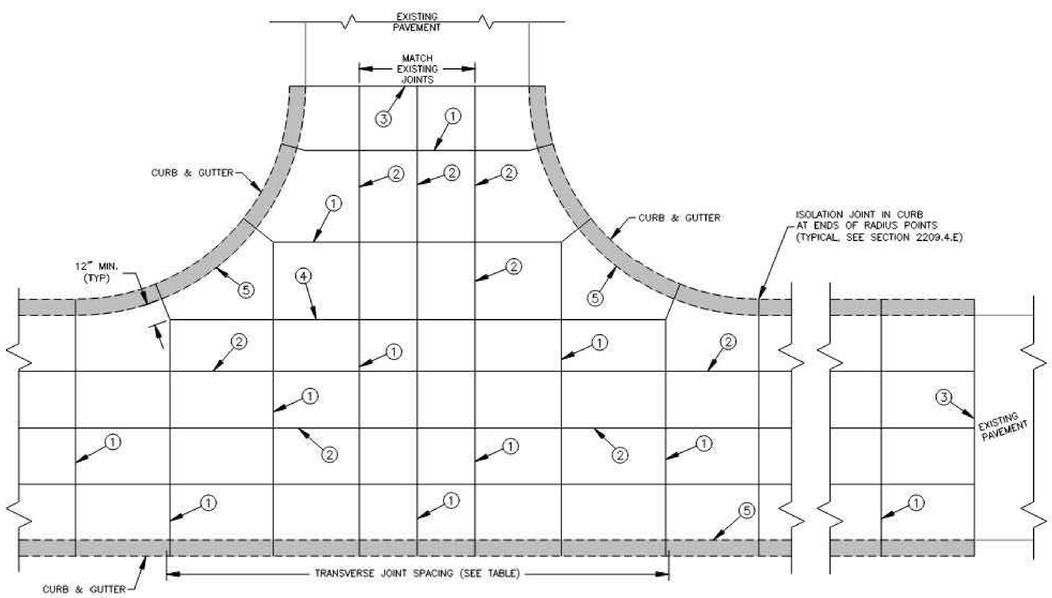
4 TRANSVERSE ISOLATION JOINT



NOTE:

- JOINT NOT NEEDED IF CURB & GUTTER IS MONOLITHICALLY POURED.

5 LONG. CONSTRUCTION JOINT (CURB & GUTTER)



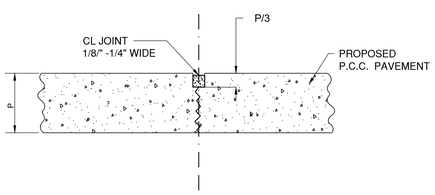
JOINT SPACING/INTERSECTION DETAIL

TABLE

PCCP THICKNESS (P)	DOWEL SIZE	TIE BAR SIZE	DOWEL SPACING	TIE BAR SPACING	MAX. TRAN. SPACING	MAX. LONG. SPACING
6"	N/A	#5 x 30"	N/A	30" CTRS.	12'	12'
7"	1" x 18"	#5 x 30"	12" CTRS.	30" CTRS.	14'	14'
8"	1 ¼" x 18"	#5 x 30"	12" CTRS.	30" CTRS.	15'	14'
≥9"	1 ½" x 18"	#5 x 30"	12" CTRS.	30" CTRS.	15'	15'

GENERAL NOTES:

- THE FINAL POSITION OF ALL DOWELS AND TIE BARS SHALL BE PERPENDICULAR TO THE PLANE OF THE JOINT AND PARALLEL TO THE SURFACE OF THE PAVEMENT AND PARALLEL TO EACH OTHER.
- ALL DOWELS & TIE BARS SHALL BE EPOXY COATED.
- DOWEL BARS SHALL BE PLACED AT 9 INCHES FROM LONGITUDINAL JOINTS.
- TIE BARS SHALL BE PLACED AT 12 INCHES FROM TRANSVERSE JOINTS.
- PANEL LENGTH TO WIDTH RATIO SHALL NOT EXCEED 1.25 TO 1.
- DOWEL BASKET SHIPPING WIRE SHALL NOT BE CUT.
- CONTRACTOR SHALL SUBMIT PROJECT SPECIFIC JOINTING PLAN AT LEAST TWO WEEKS BEFORE PAVING OPERATIONS.
- IN ACCORDANCE WITH 2208.4.D, ALL JOINTS SHALL BE SEALED, INCLUDING CURB & GUTTER.



DUMMY CONTRACTION JOINT

SYMBOL — — — — —

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PUBLIC WORKS ENGINEERING DIVISION | 220 SE GREEN STREET | LEE'S SUMMIT, MO 64063

Project: STANDARD DETAILS
CITY OF LEE'S SUMMIT, MO
LEE'S SUMMIT, JACKSON COUNTY, MO

Sheet Name: TYPICAL PAVEMENT JOINT DETAILS

Drawn By: MJF
Checked By: GMB
Date: 08/2023
Proj. #:

GEN-10

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9	09/13/24	REV-4

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SHEET TITLE

PAVEMENT JOINTING DETAILS

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SHEET ---- OF 133

9

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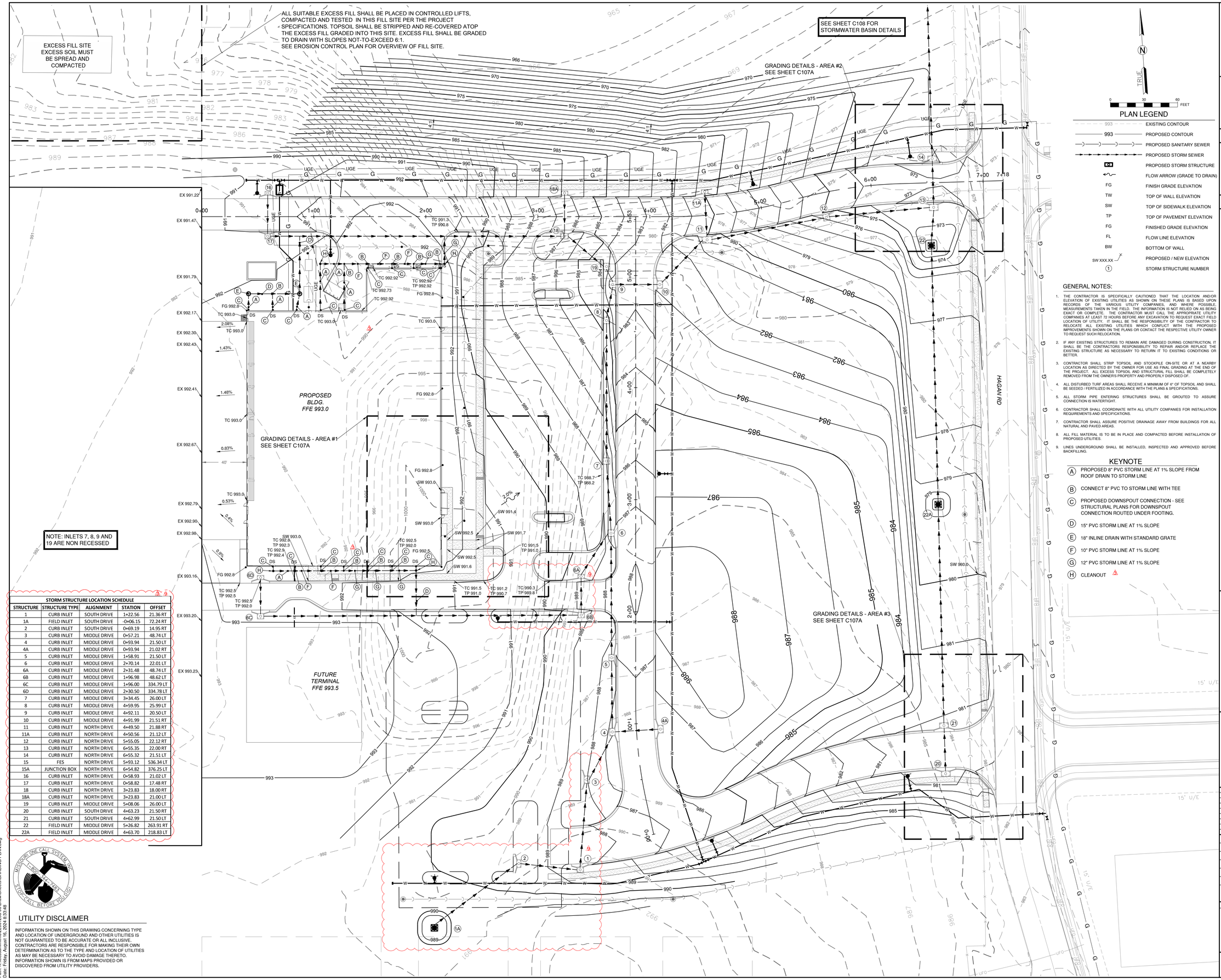

PLAN LEGEND

993	EXISTING CONTOUR
993	PROPOSED CONTOUR
	PROPOSED SANITARY SEWER
	PROPOSED STORM SEWER
	PROPOSED STORM STRUCTURE
	FLOW ARROW (GRADE TO DRAIN)
FG	FINISH GRADE ELEVATION
TW	TOP OF WALL ELEVATION
SW	TOP OF SIDEWALK ELEVATION
TP	TOP OF PAVEMENT ELEVATION
FG	FINISHED GRADE ELEVATION
FL	FLOW LINE ELEVATION
BW	BOTTOM OF WALL
SW XXX.XX	PROPOSED / NEW ELEVATION
1	STORM STRUCTURE NUMBER

GENERAL NOTES:

1. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED UPON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANIES AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS OR CONTACT THE RESPECTIVE UTILITY OWNER TO REQUEST SUCH RELOCATION.
2. IF ANY EXISTING STRUCTURES TO REMAIN ARE DAMAGED DURING CONSTRUCTION, IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO REPAIR AND/OR REPLACE THE EXISTING STRUCTURE AS NECESSARY TO RETURN IT TO EXISTING CONDITIONS OR BETTER.
3. CONTRACTOR SHALL STRIP TOPSOIL AND STOCKPILE ON-SITE OR AT A NEARBY LOCATION AS DIRECTED BY THE OWNER FOR USE AS FINAL GRADING AT THE END OF THE PROJECT. ALL EXCESS TOPSOIL AND STRUCTURAL FILL SHALL BE COMPLETELY REMOVED FROM THE OWNER'S PROPERTY AND PROPERLY DISPOSED OF.
4. ALL DISTURBED TURF AREAS SHALL RECEIVE A MINIMUM OF 6" OF TOPSOIL AND SHALL BE SEEDED / FERTILIZED IN ACCORDANCE WITH THE PLANS & SPECIFICATIONS.
5. ALL STORM PIPE ENTERING STRUCTURES SHALL BE GROUTED TO ASSURE CONNECTION IS WATERTIGHT.
6. CONTRACTOR SHALL COORDINATE WITH ALL UTILITY COMPANIES FOR INSTALLATION REQUIREMENTS AND SPECIFICATIONS.
7. CONTRACTOR SHALL ASSURE POSITIVE DRAINAGE AWAY FROM BUILDINGS FOR ALL NATURAL AND PAVED AREAS.
8. ALL FILL MATERIAL IS TO BE IN PLACE AND COMPACTED BEFORE INSTALLATION OF PROPOSED UTILITIES.
9. LINES UNDERGROUND SHALL BE INSTALLED, INSPECTED AND APPROVED BEFORE BACKFILLING.

KEYNOTE

- (A) PROPOSED 8" PVC STORM LINE AT 1% SLOPE FROM ROOF DRAIN TO STORM LINE
- (B) CONNECT 8" PVC TO STORM LINE WITH TEE
- (C) PROPOSED DOWNSPOUT CONNECTION - SEE STRUCTURAL PLANS FOR DOWNSPOUT CONNECTION ROUTED UNDER FOOTING.
- (D) 15" PVC STORM LINE AT 1% SLOPE
- (E) 18" INLINE DRAIN WITH STANDARD GRATE
- (F) 10" PVC STORM LINE AT 1% SLOPE
- (G) 12" PVC STORM LINE AT 1% SLOPE
- (H) CLEANOUT 4

STORM STRUCTURE LOCATION SCHEDULE 4 9

STRUCTURE	STRUCTURE TYPE	ALIGNMENT	STATION	OFFSET
1	CURB INLET	SOUTH DRIVE	1+22.56	21.36 RT
1A	FIELD INLET	SOUTH DRIVE	-0+06.15	72.24 RT
2	CURB INLET	SOUTH DRIVE	0+69.19	14.95 RT
3	CURB INLET	MIDDLE DRIVE	0+57.21	48.74 LT
4	CURB INLET	MIDDLE DRIVE	0+93.94	21.50 LT
4A	CURB INLET	MIDDLE DRIVE	0+93.94	21.02 RT
5	CURB INLET	MIDDLE DRIVE	1+58.91	21.50 LT
6	CURB INLET	MIDDLE DRIVE	2+70.14	22.01 LT
6A	CURB INLET	MIDDLE DRIVE	2+31.48	48.74 LT
6B	CURB INLET	MIDDLE DRIVE	1+96.98	48.62 LT
6C	CURB INLET	MIDDLE DRIVE	1+96.00	334.79 LT
6D	CURB INLET	MIDDLE DRIVE	2+30.50	334.78 LT
7	CURB INLET	MIDDLE DRIVE	3+34.45	26.00 LT
8	CURB INLET	MIDDLE DRIVE	4+59.95	25.99 LT
9	CURB INLET	MIDDLE DRIVE	4+92.11	20.50 LT
10	CURB INLET	MIDDLE DRIVE	4+91.99	21.51 RT
11	CURB INLET	NORTH DRIVE	4+49.50	21.88 RT
11A	CURB INLET	NORTH DRIVE	4+50.56	21.12 LT
12	CURB INLET	NORTH DRIVE	5+55.05	22.12 RT
13	CURB INLET	NORTH DRIVE	6+55.35	22.00 RT
14	CURB INLET	NORTH DRIVE	6+55.32	21.51 LT
15	FES	NORTH DRIVE	5+93.12	536.34 LT
15A	JUNCTION BOX	NORTH DRIVE	6+54.82	376.25 LT
16	CURB INLET	NORTH DRIVE	0+58.93	21.02 LT
17	CURB INLET	NORTH DRIVE	0+58.82	17.48 RT
18	CURB INLET	NORTH DRIVE	3+23.83	18.00 RT
18A	CURB INLET	NORTH DRIVE	3+23.83	21.00 LT
19	CURB INLET	MIDDLE DRIVE	5+08.06	26.00 LT
20	CURB INLET	SOUTH DRIVE	4+63.23	21.50 RT
21	CURB INLET	SOUTH DRIVE	4+62.99	21.50 LT
22	FIELD INLET	MIDDLE DRIVE	5+26.82	263.91 RT
22A	FIELD INLET	MIDDLE DRIVE	4+63.70	218.83 LT

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UTILITY DISCLAIMER

INFORMATION SHOWN ON THIS DRAWING CONCERNING TYPE AND LOCATION OF UNDERGROUND AND OTHER UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. CONTRACTORS ARE RESPONSIBLE FOR MAKING THEIR OWN DETERMINATION AS TO THE TYPE AND LOCATION OF UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO. INFORMATION SHOWN IS FROM MAPS PROVIDED OR DISCOVERED FROM UTILITY PROVIDERS.

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

EASTSIDE DEVELOPMENT
CITY PROJECT NO. - 47732472

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LEE'S SUMMIT MUNICIPAL AIRPORT
LEE'S SUMMIT, MO

MARK	DATE	DESCRIPTION
4	06/07/24	REV-3
9	09/13/24	REV-4

PROJECT NO: 47732472
CAD DWG FILE: GRADING PLAN
DESIGNED BY: WLC
DRAWN BY: WLC
CHECKED BY: JRC
APPROVED BY: TGH

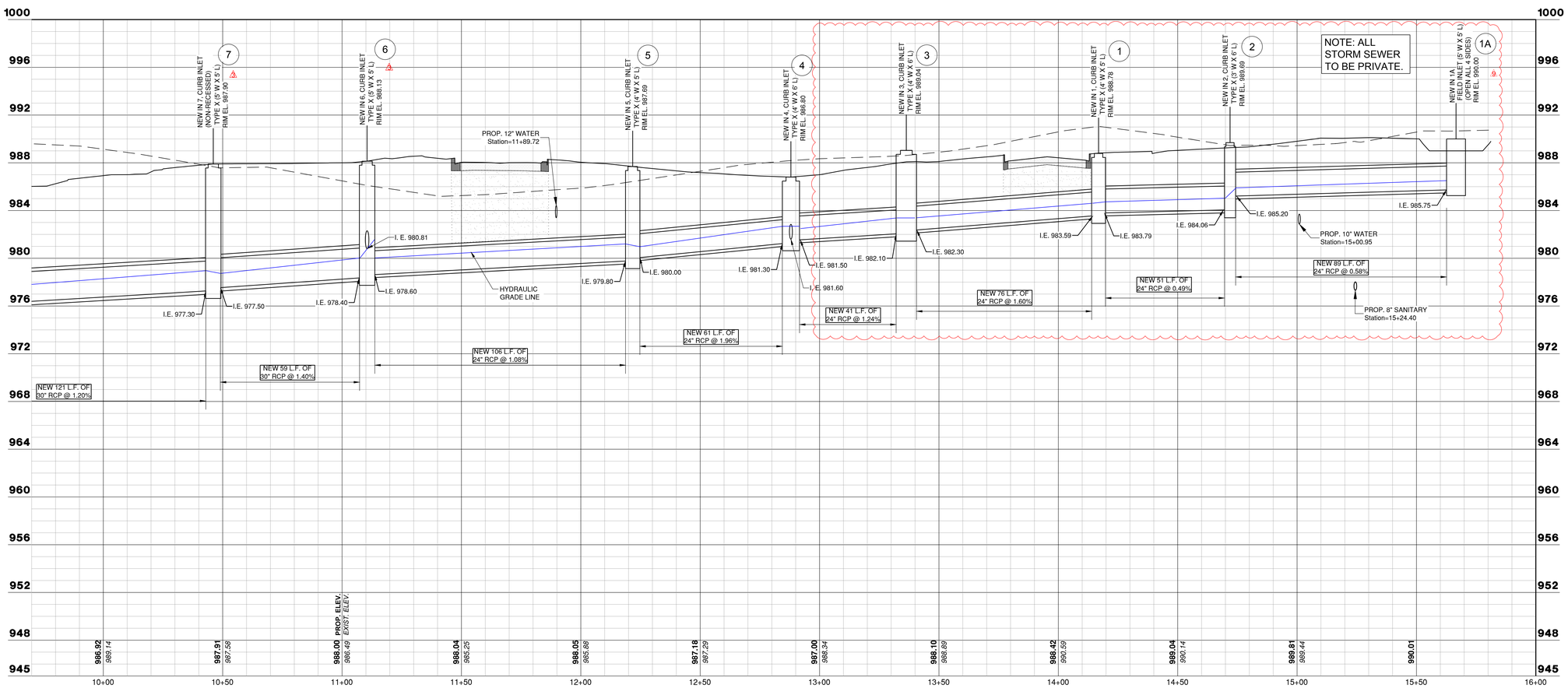
SHEET TITLE

GRADING PLAN

C107

LEGEND

- NEW SIDEWALK
- NEW PAVEMENT
- NEW TRENCH BACKFILL
- NEW CURB AND GUTTER
- EXISTING GROUND ELEVATION
- PROPOSED GROUND ELEVATION
- 25 YEAR HYDRAULIC GRADE LINE



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PROJECT NO: 47732472
CAD DWG FILE: STORM PROFILE - SHEET 3
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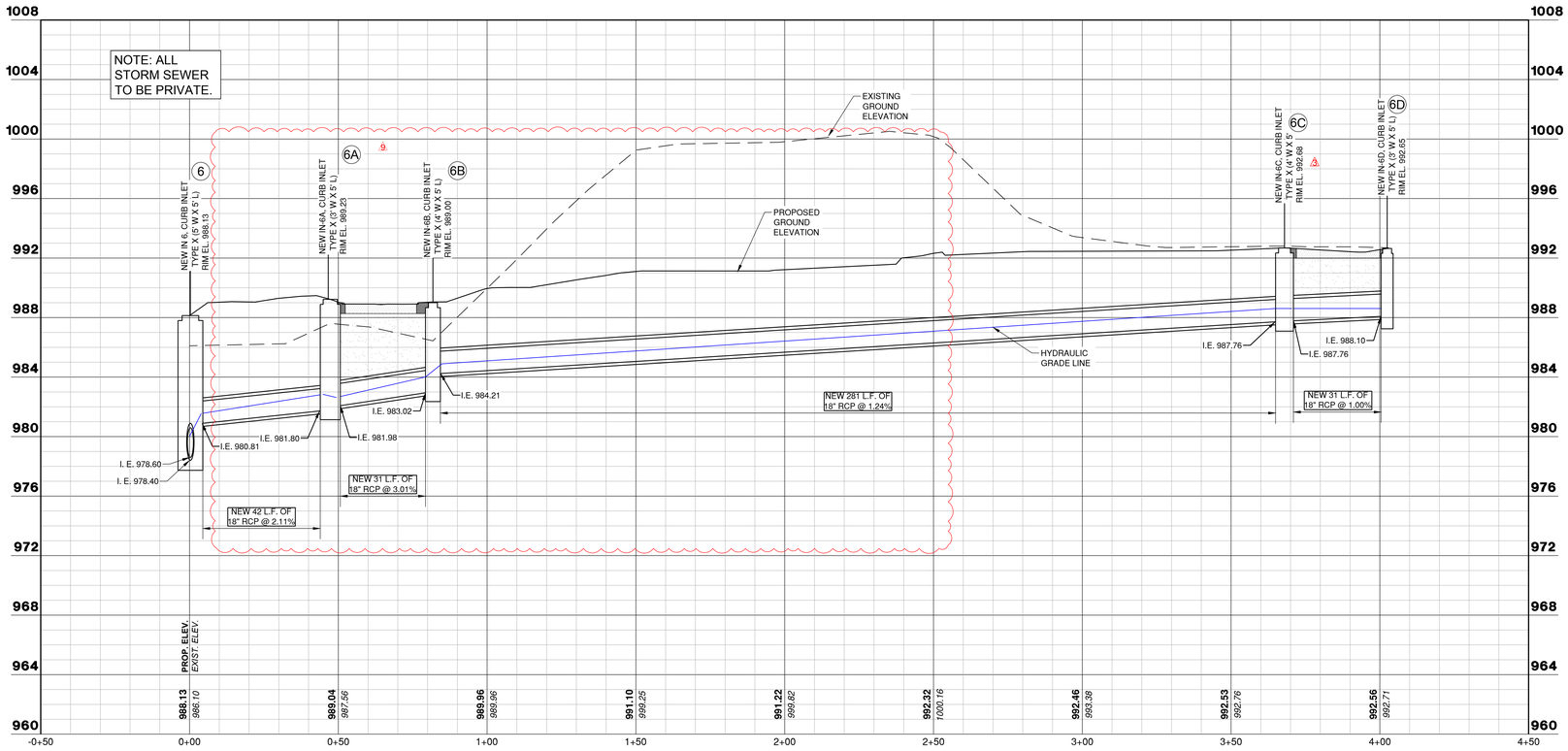
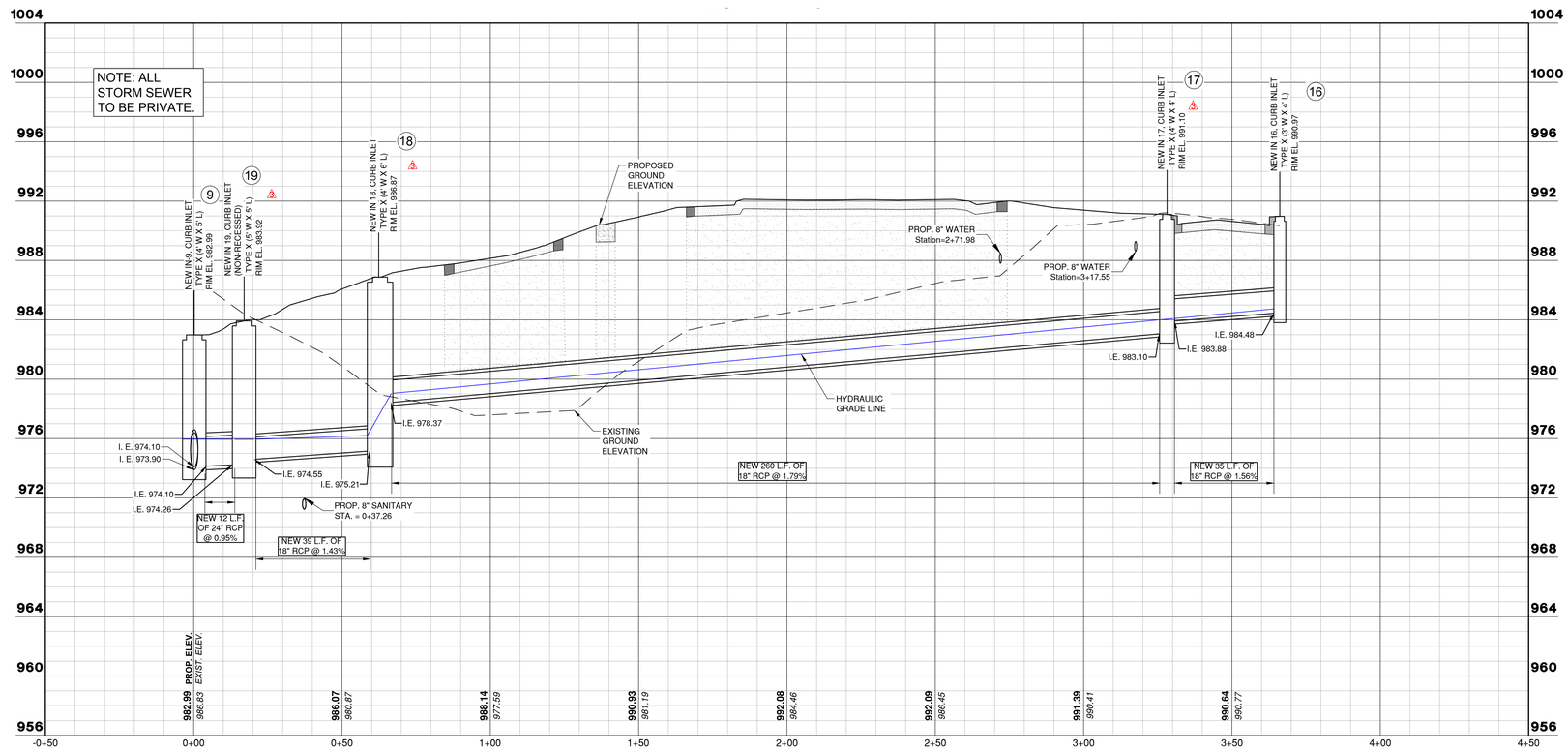
SHEET TITLE

STORM PROFILE - SHEET 2

C110





LEGEND

- NEW SIDEWALK
- NEW PAVEMENT
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PROJECT NO: 47732472
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STORM PROFILE - SHEET 3

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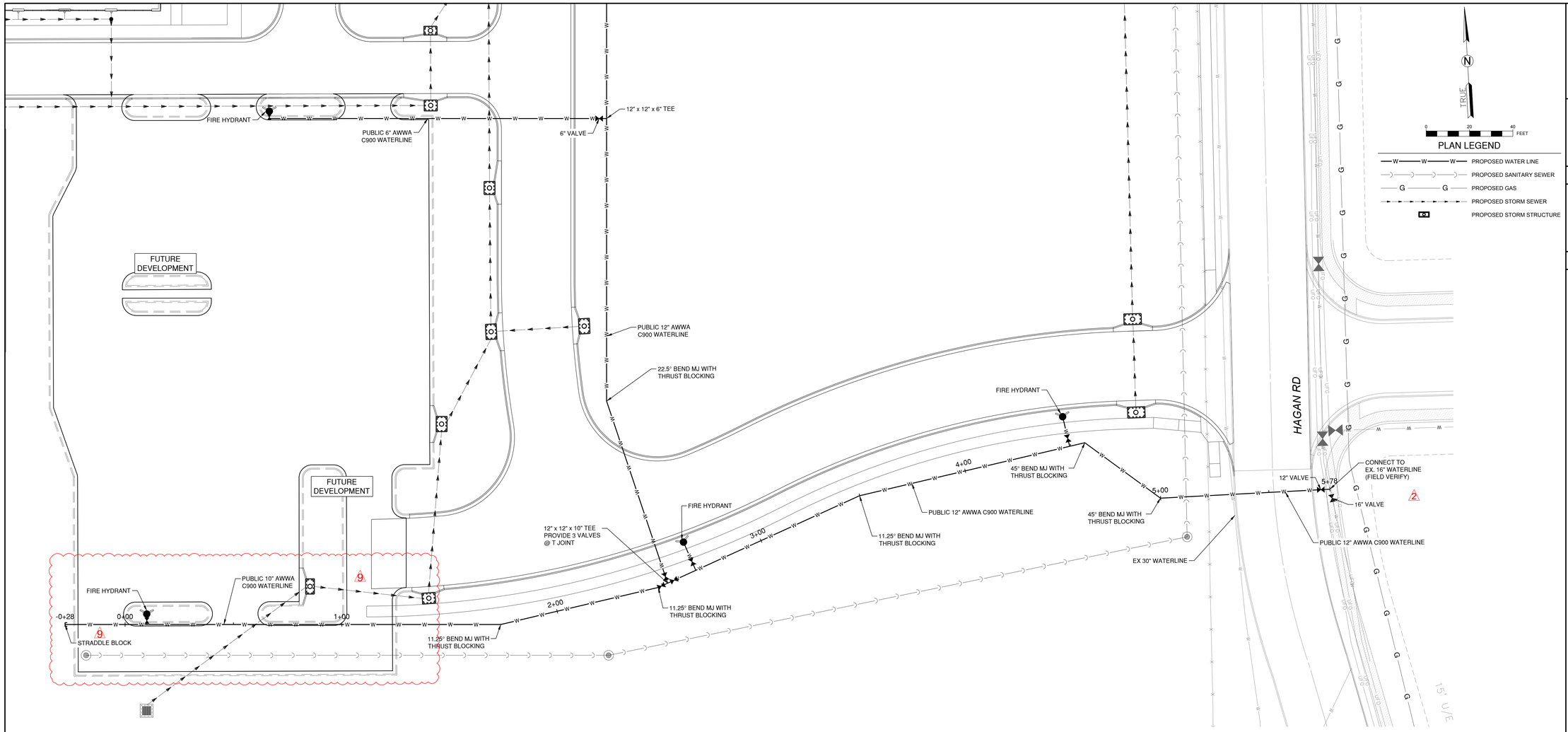

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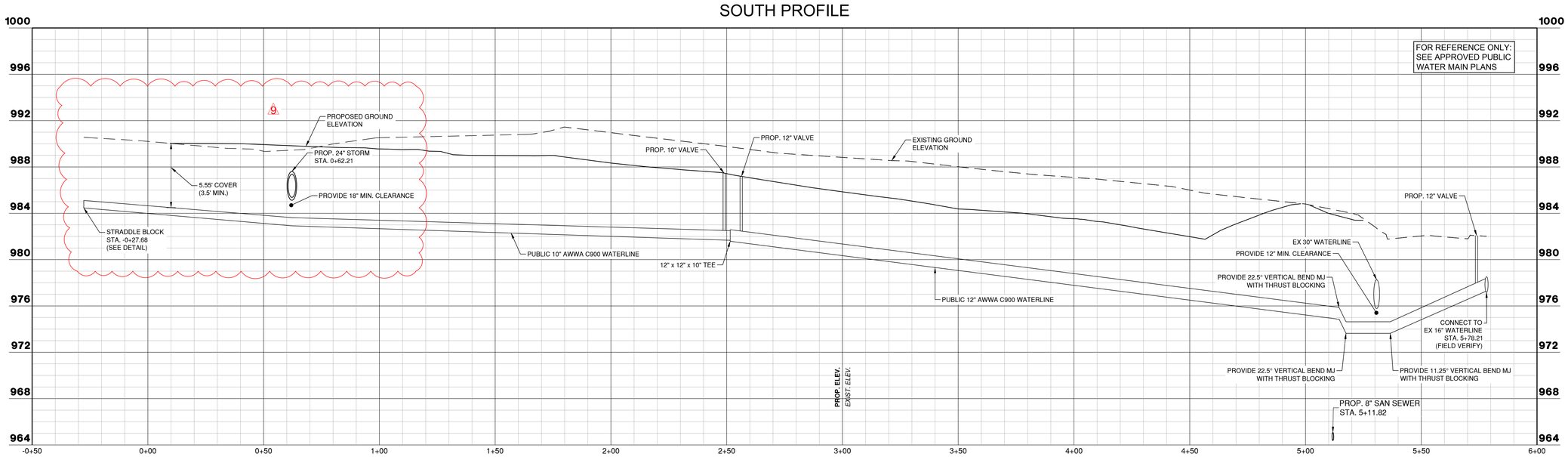

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LEE'S SUMMIT MUNICIPAL AIRPORT
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MARK	DATE	DESCRIPTION
2	03/29/24	REV-2
9	09/13/24	REV-4

PROJECT NO: 47732472
CAD DWG FILE: WATER LINE PLAN & PROFILE - SHEET 3
DESIGNED BY: WLC
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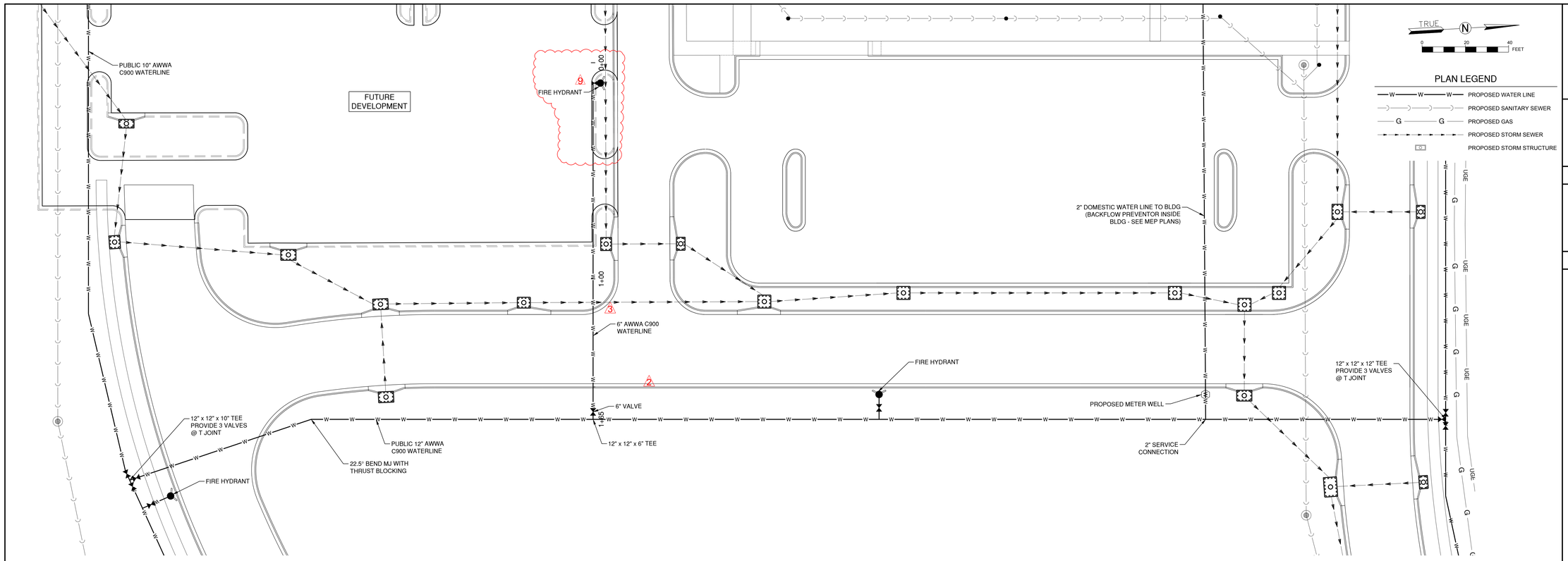
SHEET TITLE

WATER LINE PLAN & PROFILE - SHEET 1

C116



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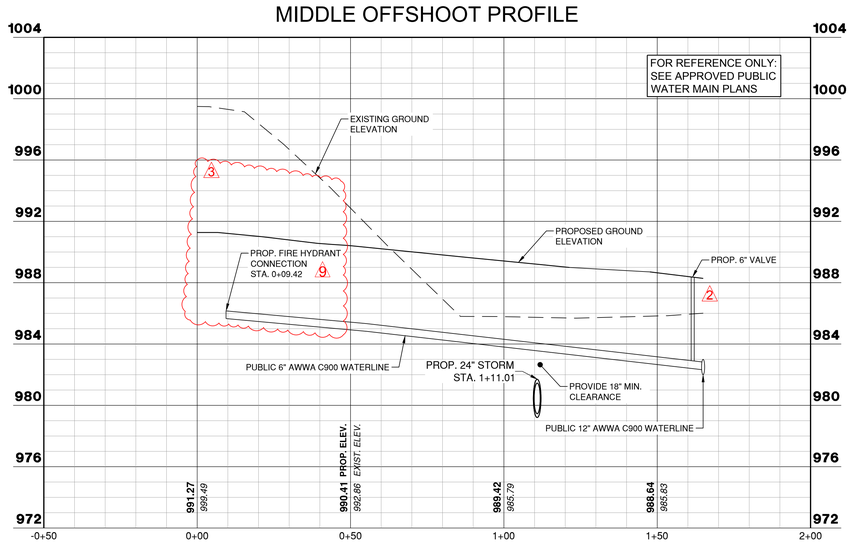

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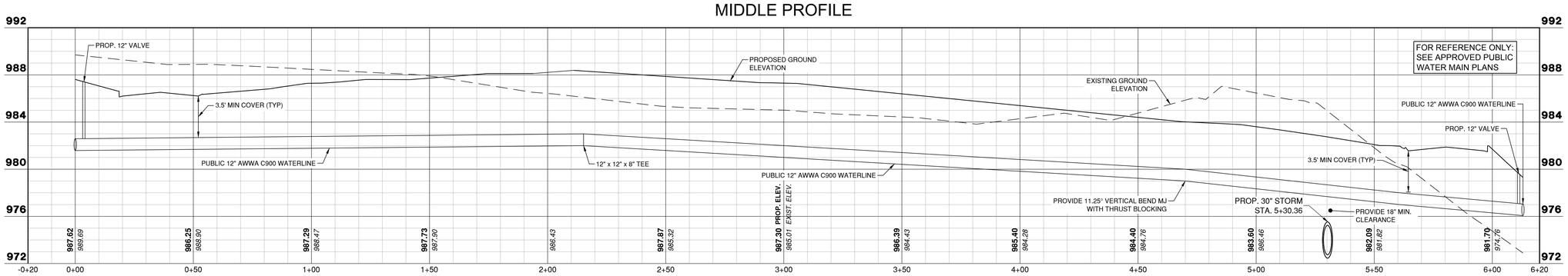

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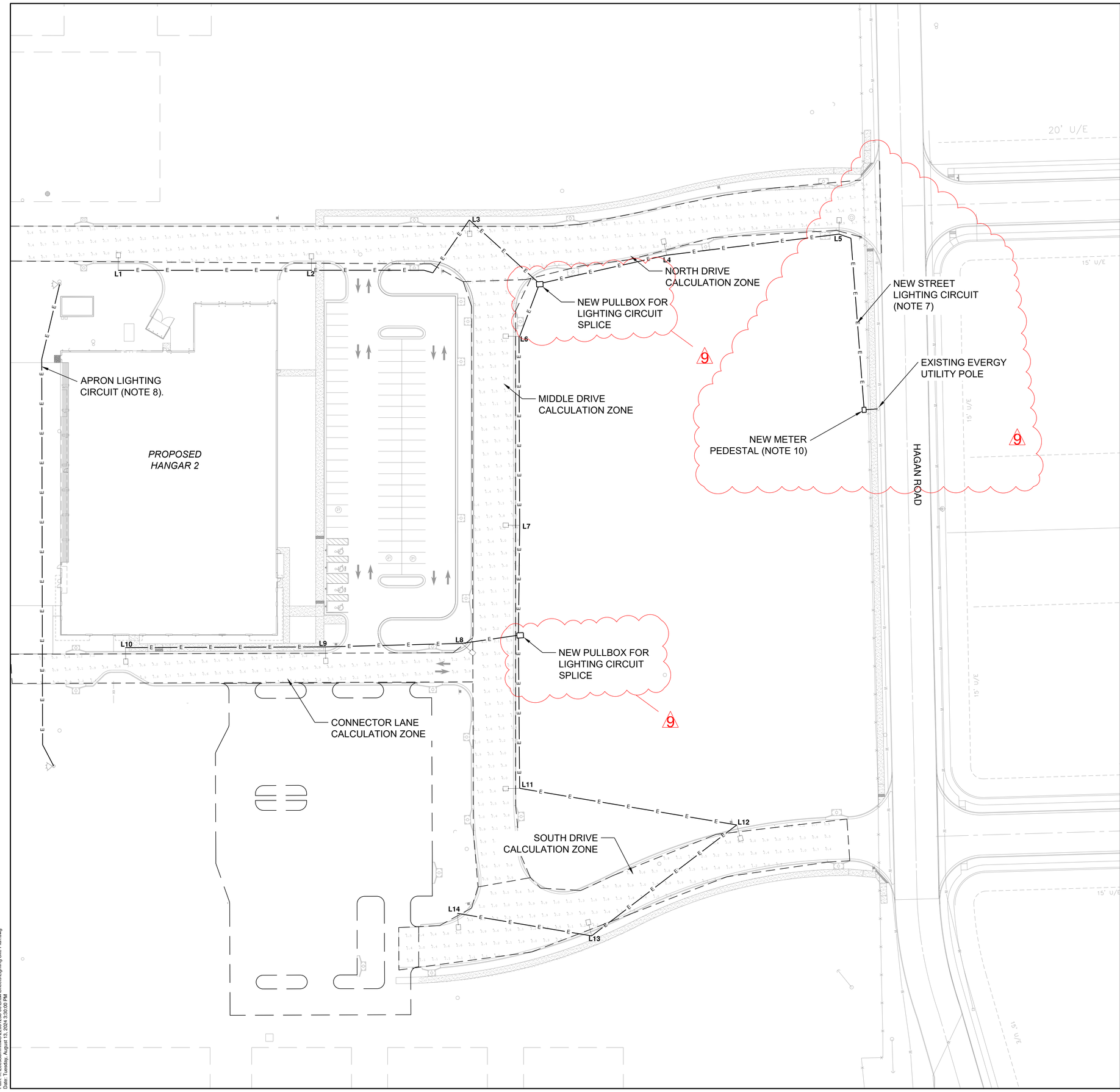
MARK	DATE	DESCRIPTION
2	03/29/24	REV-2
3	06/07/24	REV-3
4	09/13/24	REV-4

PROJECT NO: 47732472
CAD DWG FILE: WATER LINE PLAN & PROFILE - SHEET 3
DESIGNED BY: WLC
DRAWN BY: WLC
CHECKED BY: JRC
APPROVED BY: TGH

SHEET TITLE

WATER LINE PLAN & PROFILE - SHEET 2

C117



ELECTRICAL LEGEND

- NEW LUMINAIRE WITH 3' MAST ARM ON 25' LIGHT POLE
- PHOTOMETRIC CALCULATION ZONE BOUNDARY
- E — NEW ELECTRICAL STREET LIGHTING CIRCUIT
- EXISTING APRON LIGHT POLE

LIGHTING NOTES

Acceptable Luminaire Manufacturers:

Manufacturer	Model No.	Distribution
Cooper Lighting	VERD-M-CA3-150-722-U-T2	Type II

1. LED LUMINAIRES SHALL BE OF THE MANUFACTURER AND TYPE DENOTED ABOVE.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING, INSTALLING, AND WIRING NEW LIGHT POLES. THE LIGHT POLES SHALL MEET THE FOLLOWING CRITERIA:
   - 2.1. 25' LIGHT MOUNTING HEIGHT
   - 2.2. 3' MAST ARMS. MAST ARMS SHALL ALLOW PROPER CONNECTION AND MOUNTING OF LIGHT FIXTURES. THOSE FIXTURES SHALL BE ACUITY BRANDS AUTOBAHN FIXTURES AS INDICATED IN THE ACCEPTABLE LUMINAIRE MANUFACTURERS TABLE.
   - 2.3. COLOR: BLACK
   - 2.4. CONTRACTOR SHALL PROVIDE SUBMITTAL SUBJECT TO APPROVAL BY ENGINEER.
   - 2.5. LIGHT POLE SHALL BE INSTALLED ON A CONCRETE BASE AS SHOWN ON THE ELECTRICAL DETAILS PLAN SHEET.
3. LIGHT LEVELS FOR EACH PORTION OF THE PROJECT AREA SHALL BE IN ACCORDANCE WITH THE FOLLOWING FIXTURE ILLUMINANCE TABLE.

PROPOSED LIGHT EMITTING DIODE (LED) FIXTURE ILLUMINANCE (Fc) WITH 0.7 LLF					
CALCULATION ZONE	AVERAGE	MAXIMUM	MINIMUM	AVG/MIN	MAX/MIN
North Drive	1.75	4.2	0.4	4.38	10.5
Middle Drive	1.9	4.1	0.5	3.8	8.2
South Drive	1.88	4.2	0.4	4.7	10.5
Connector Lane	1.65	4	0.4	4.13	10

ELECTRICAL NOTES

1. TO FEDERAL, STATE, AND LOCAL STATUTES, NOTIFY MISSOURI ONE-CALL SYSTEM,INC. AT LEAST 48 HOURS PRIOR TO ANY DIGGING, TRENCHING, EXCAVATION, ETC.
2. INFORMATION SHOWN ON THIS DRAWING CONCERNING TYPE AND LOCATION OF UNDERGROUND AND OTHER UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING DETERMINATION OF TYPE AND LOCATION OF ALL UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO.
3. FIELD VERIFY LOCATION OF ALL UTILITIES PRIOR TO BEGINNING WORK. ANY INTERFERENCE SHALL BE BROUGHT TO ATTENTION OF THE ARCHITECT AND ENGINEER FOR DIRECTION.
4. PROVIDE EQUIPMENT GROUNDING CONDUCTOR THROUGHOUT EACH BRANCH CIRCUIT. CONDUCTOR MAY NOT BE INDICATED GRAPHICALLY.
5. ALL STREET LIGHTING FIXTURES AND INSTALLATIONS SHALL BE 240V, SINGLE-PHASE, AND INSTALLED IN ACCORDANCE WITH THE CITY OF LEE'S SUMMIT DESIGN AND CONSTRUCTION MANUAL SECTION 5800.
6. STREET LIGHTING CIRCUITS SHALL BE FED FROM EXISTING EVERGY UTILITY SOURCE.
7. STREET LIGHTING CIRCUITS SHALL BE 2 X #6 XLP-USE, #10 GND IN 1" CONDUIT.
8. EXTEND APRON LIGHTING CIRCUIT FROM NORTHERN APRON LIGHT TO POWER SOUTHERN APRON LIGHT. APRON LIGHTING CIRCUIT SHALL BE 2 X #4 XLP-USE, 1 X #6 GROUND IN UNIT DUCT. CONTRACTOR SHALL CONNECT NEW CIRCUIT GROUND CONDUCTOR TO EXISTING POLE GROUND LUG.
9. ALL STREET LIGHT POLES MUST BE INSTALLED A MINIMUM OF 3' FROM THE CURB, WHERE APPLICABLE.
10. INSTALL NEW METER PEDESTAL FOR STREET LIGHTING SERVICE. PEDESTAL SHALL INCLUDE METER SOCKET AND POWER SUPPLY AS SHOWN ON DETAILS, AND IN ACCORDANCE WITH CITY OF LEE'S SUMMIT STANDARDS.

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

EASTSIDE DEVELOPMENT
CITY PROJECT NO. - 47732472

STATE OF MISSOURI
TYLER G. HORN
NUMBER PE-2018000214
PROFESSIONAL ENGINEER

SEALED DIGITALLY
JANUARY 4, 2024

LEE'S SUMMIT MUNICIPAL AIRPORT
LEE'S SUMMIT, MO

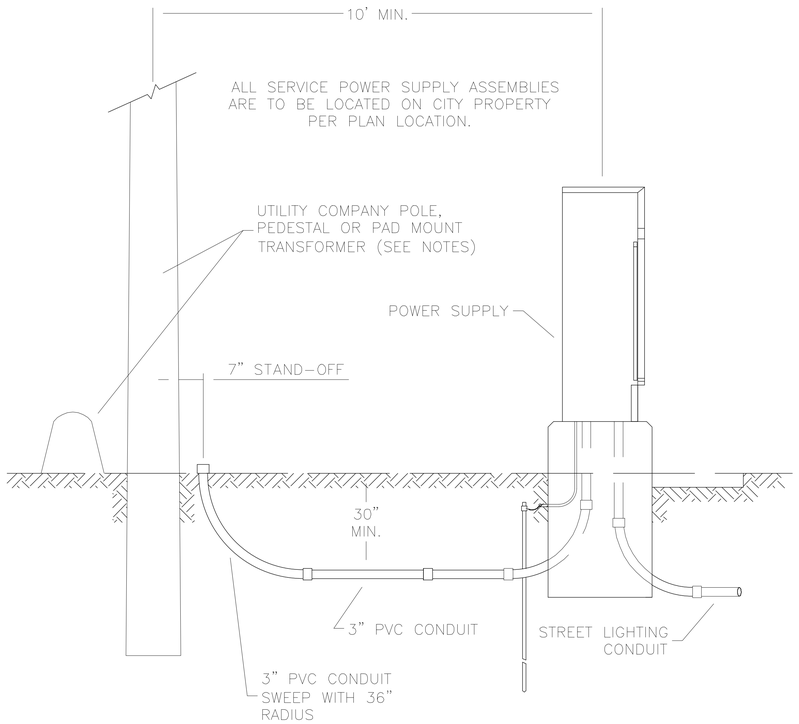
MARK	DATE	DESCRIPTION
9	09/13/24	REVISION 4

PROJECT NO: 47732472
CAD DWG FILE: LIGHTING SITE PLAN
DESIGNED BY: WLC
DRAWN BY: WLC
CHECKED BY: JRC
APPROVED BY: TGH

SHEET TITLE

LIGHTING SITE PLAN

C135

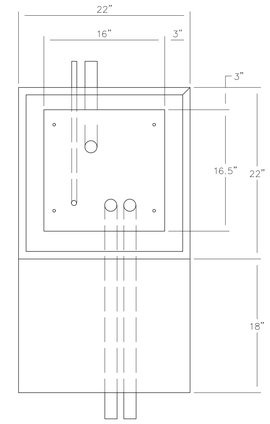


NOTES:

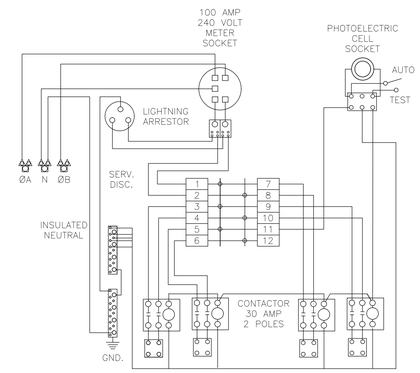
1. CONTRACTOR SHALL INSTALL A CONDUIT STUB 24" TO 6" ABOVE GROUND AT UTILITY POLES. CONDUIT SHALL BE STUBBED TO THE SIDE OF THE POLE THAT WILL ALLOW A DIRECT RUN UP THE POLE TO THE TRANSFORMER WITHOUT CROSSING OTHER UTILITY LINES OR CABLES. THE END OF THE CONDUIT SHALL BE CAPPED.
2. CONTRACTOR SHALL INSTALL CONDUIT IN A TRENCH TO WITHIN 24" OF PEDESTALS OR PAD MOUNT TRANSFORMERS AND LEAVE A 36" X 36" X 36" ACCESS HOLE IN THE GROUND. CONTRACTOR SHALL KEEP OPEN TRENCH COVERED AND PROMPTLY BACKFILL ACCESS HOLE WHEN SERVICE IS COMPLETED.

1 SECONDARY SERVICE CONNECTION DETAILS

NOT TO SCALE

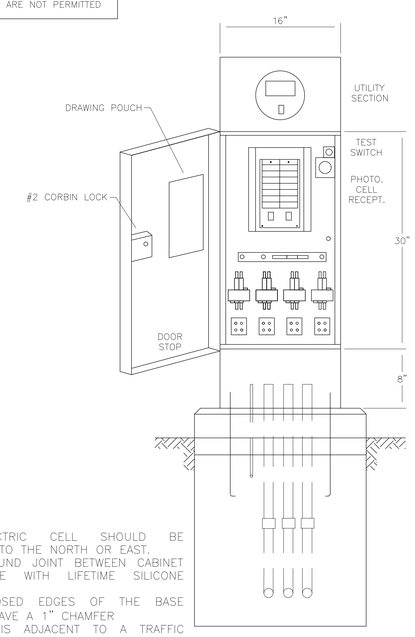


PLAN VIEW

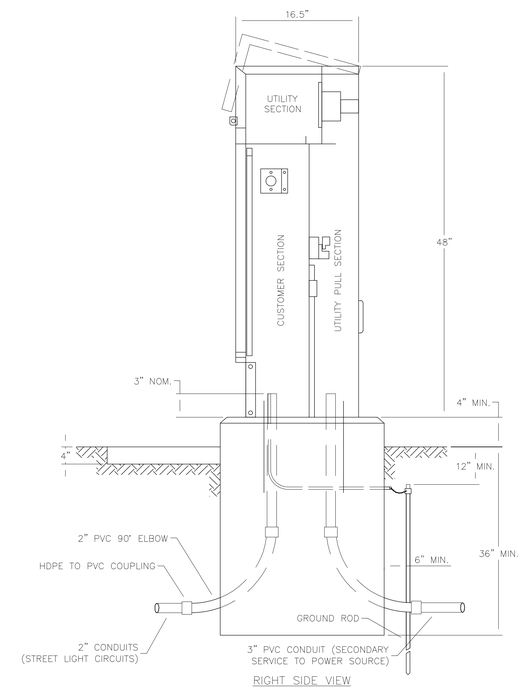


WIRING SCHEMATIC

FUSED CONTACTORS ARE NOT PERMITTED



FRONT VIEW



RIGHT SIDE VIEW

NOTES:

1. PHOTOELECTRIC CELL SHOULD BE ORIENTED TO THE NORTH OR EAST.
2. SEAL AROUND JOINT BETWEEN CABINET AND BASE WITH LIFETIME SILICONE CAULK.
3. ALL EXPOSED EDGES OF THE BASE SHOULD HAVE A 1" CHAMFER
4. IF BASE IS ADJACENT TO A TRAFFIC SIGNAL CONTROLLER, RAISED PORTION OF BASE (ABOVE FINISHED GRADE) SHOULD BE CONSTRUCTED TO THE SAME HEIGHT AS THE SIGNAL CONTROLLER BASE.
5. THE STREET ADDRESS WITH THE POWER SUPPLY NUMBER BELOW IT SHOULD BE LABELED ON THE UPPER PORTION OF THE CABINET FACING THE STREET. THE CONTRACTOR WILL SUPPLY AND INSTALL STICKERS.

2 4-CIRCUIT POWER SUPPLY DETAIL

NOT TO SCALE

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

EASTSIDE DEVELOPMENT
CITY PROJECT NO. - 47732472

STATE OF MISSOURI
TYLER G. HORN
NUMBER PE-2018000214
PROFESSIONAL ENGINEER

SEALED DIGITALLY
JANUARY 4, 2024

LEE'S SUMMIT MUNICIPAL AIRPORT
LEE'S SUMMIT, MO

MARK	DATE	DESCRIPTION
9	09/13/24	REVISION 4

PROJECT NO: 47732472
CAD DWG FILE: LIGHTING SITE PLAN
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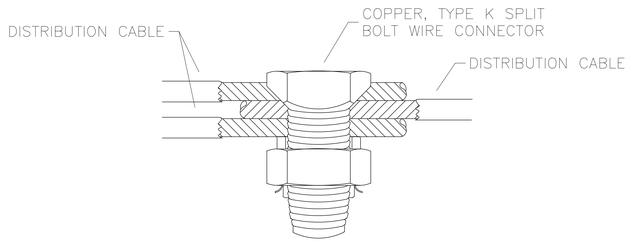
CHECKED BY: JRC
APPROVED BY: TGH

SHEET TITLE

LIGHTING PEDESTAL DETAILS

C136A

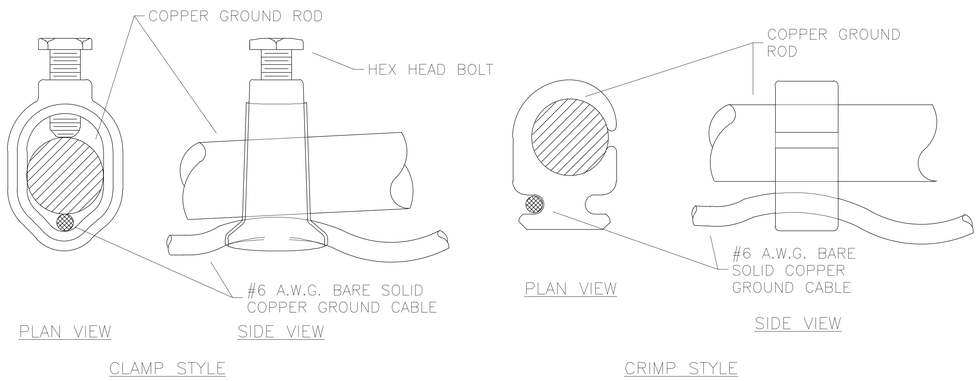
SHEET ---- OF 133



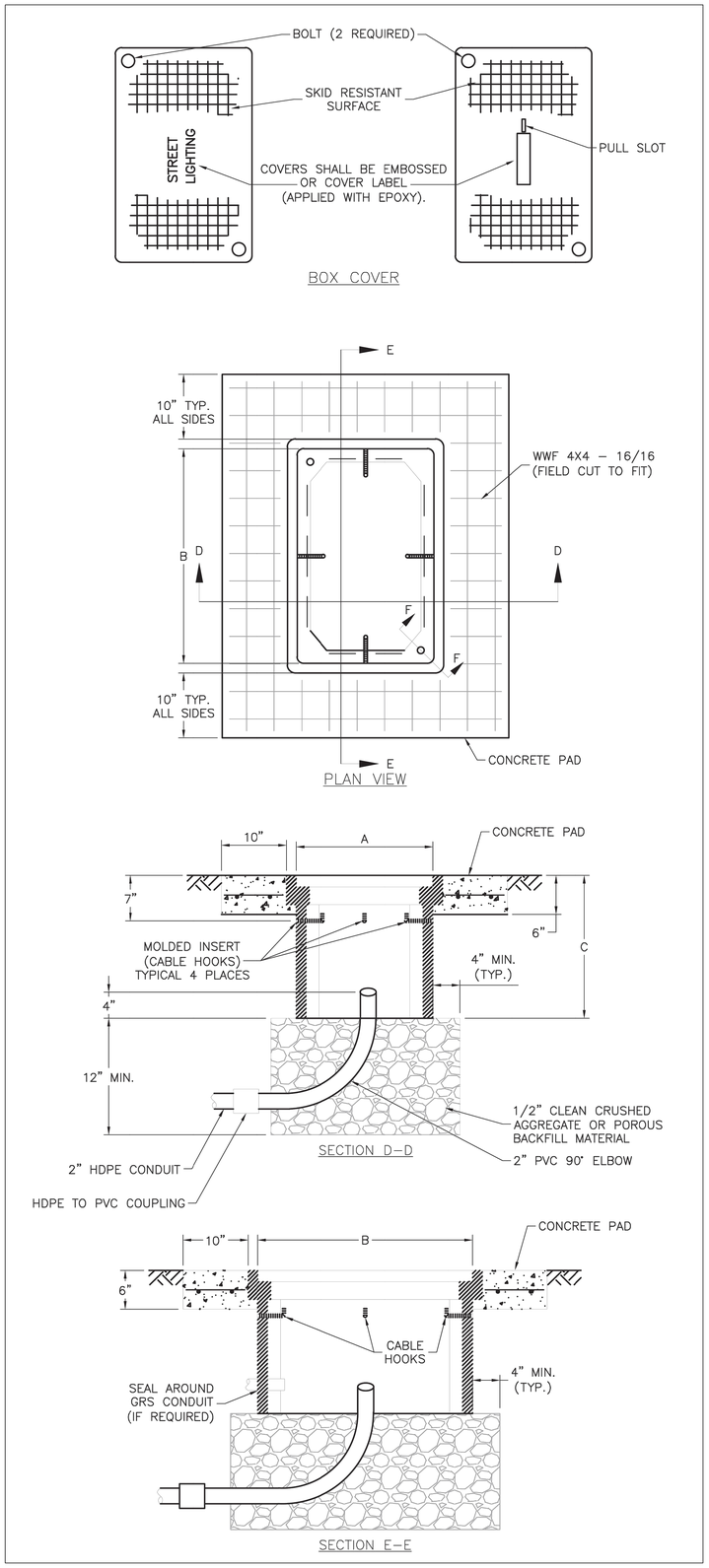
NOTES:

1. TO BE USED ONLY IN JUNCTION OR PULL BOXES WHERE CIRCUITS BRANCH OR "TEE".
2. ALL SPLICES SHALL BE PROTECTED WITH A RESIN SPLICE KIT (NOT SHOWN) INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.

1 SPLICE KIT DETAILS
NOT TO SCALE



2 GROUND ROD CONNECTION DETAILS
NOT TO SCALE



3 PULL OR JUNCTION BOX DETAILS
NOT TO SCALE

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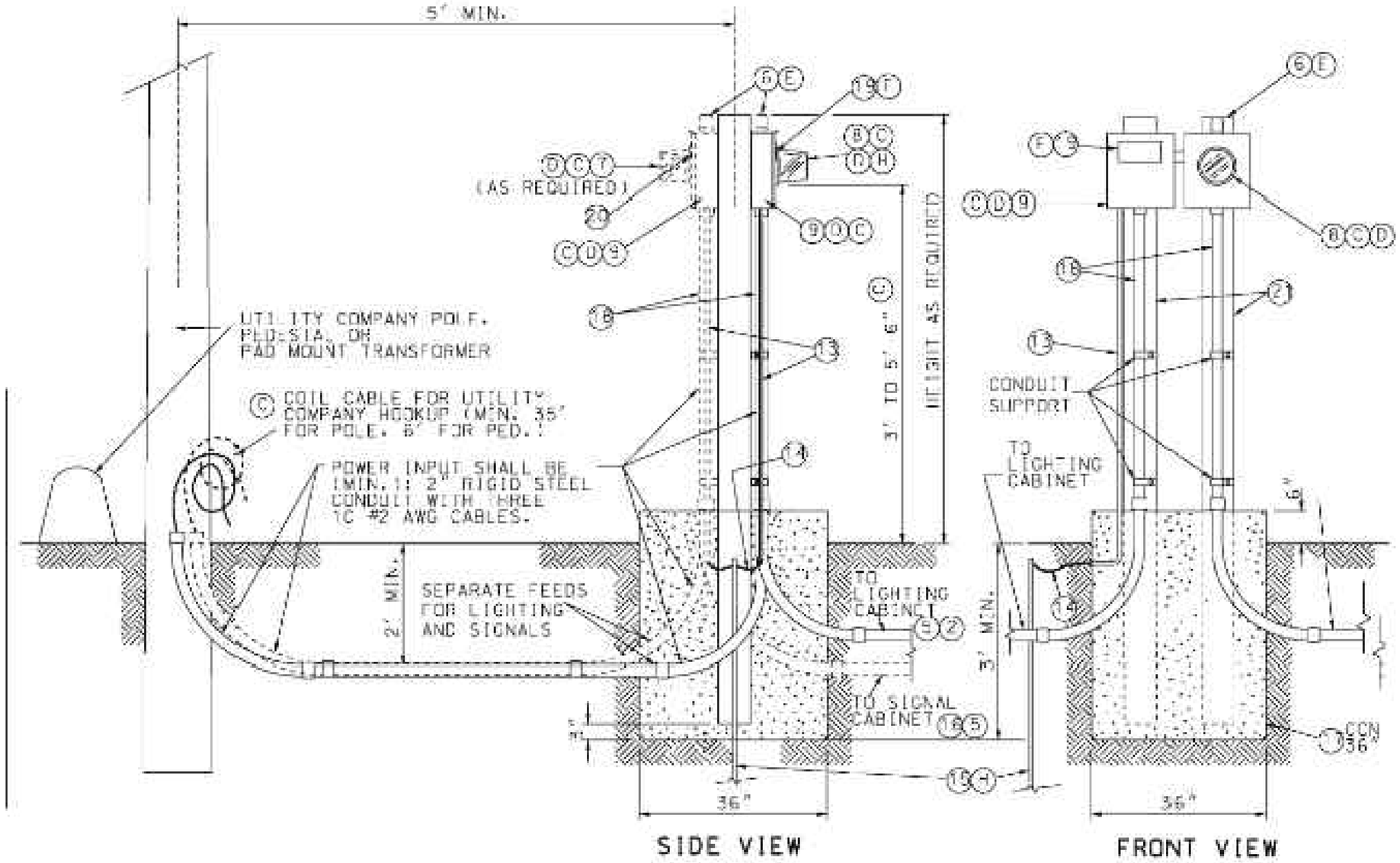
SHEET TITLE

LIGHTING PEDESTAL DETAILS II

C136C

SHEET ---- OF 133

9



LIST OF MATERIALS	
ITEM	DESCRIPTION
1	SERVICE POLE 30' MIN.,CLASS 4 WOOD, CONTRACTOR PROVIDED, MoDOT OWNED*
2	#2 AWG MIN. CABLE, 600 VOLT *
3	SERVICE ENTRANCE HEAD
4	GUY CABLE, AS REQUIRED
5	RIGID CONDUIT, 2" MIN., WITH PREFORMED ELBOWS
6	LIGHTNING ARRESTER, VALVE TYPE, 2 POLE, 650 VOLT
7	METER SOCKET, 200 AMP, FOR SIGNALS
8	METER SOCKET, 200 AMP, FOR LIGHTING
9	LOCKING, RAINTIGHT, NEMA 4 SERVICE DISCONNECT BOX
10	INSULATED, GROUNDABLE NEUTRAL WIRE, 200 AMP MINIMUM
11	SIGNAL BREAKERS, SINGLE POLE, 40A MIN. TYPE A OR B *
12	LIGHTING BREAKER, 2 POLE, 240 VOLT, 100A, TYPE A OR B
13	1/2" METAL CONDUIT
14	#2 AWG MIN. GROUND WIRE
15	GROUND ROD, 3/4" x 8' MIN.
16	#8 AWG MIN. CABLE, 600 VOLT *
17	CLASS B CONCRETE, 0.92 C.Y.±
18	THREADED CONDUIT HUB WITH SEALING WASHERS
19	WEATHERPROOF ADHESIVE LABEL (LIGHTING), VINYL RAISED LETTERING (OR EQUIVALENT, SEE DETAIL)
20	WEATHERPROOF ADHESIVE LABEL (SIGNALS), VINYL RAISED LETTERING (OR EQUIVALENT, SEE DETAIL)
21	W6 x 9 OR W6 x 15 GALVANIZED POST
22	#2 AWG MIN. CABLE, 600 VOLT
23	RIGID CONDUIT, 2" MINIMUM
*	SEE PLANS

1 PHOTOELECTRIC CELL WIRING DIAGRAM

NOT TO SCALE

POLE WIRING NOTES

1. POLE WIRING PEDESTAL AND RISER DETAILS ARE DERIVED FROM MODOT STANDARD PLANS FOR HIGHWAY CONSTRUCTION.

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LEE'S SUMMIT MUNICIPAL AIRPORT
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SHEET TITLE

LIGHTING PEDESTAL DETAILS III

C136B

SHEET ---- OF 133