

2751 NORTHEAST DOUGLAS STREET
LEE'S SUMMIT, MISSOURI 64064

CONSTRUCTION PLANS
FOR
KANSAS CITY - LEE'S SUMMIT
REGIONAL AIRPORT

CITY PROJECT NO. 17932172

GENERAL AVIATION TERMINAL

FDP REVIEW PLAN SET

NOVEMBER 25, 2024

CALL MISSOURI ONE-CALL SYSTEMS
BEFORE EXCAVATING
1-800-DIG-RITE

DESIGN AIRCRAFT - GEOMETRY
CANADAIR CL-600
AIRCRAFT APPROACH CATEGORY C
AIRPLANE DESIGN GROUP II
DESIGN AIRCRAFT - STRUCTURE
GRUMMAN GULFSTREAM IV
GROSS WEIGHT - 71,800 LBS
EQUIVALENT ANNUAL DEPARTURES - 651

MAXIMUM EQUIPMENT HEIGHT: 100'

UNICOM/CTAF FREQUENCY - 122.80



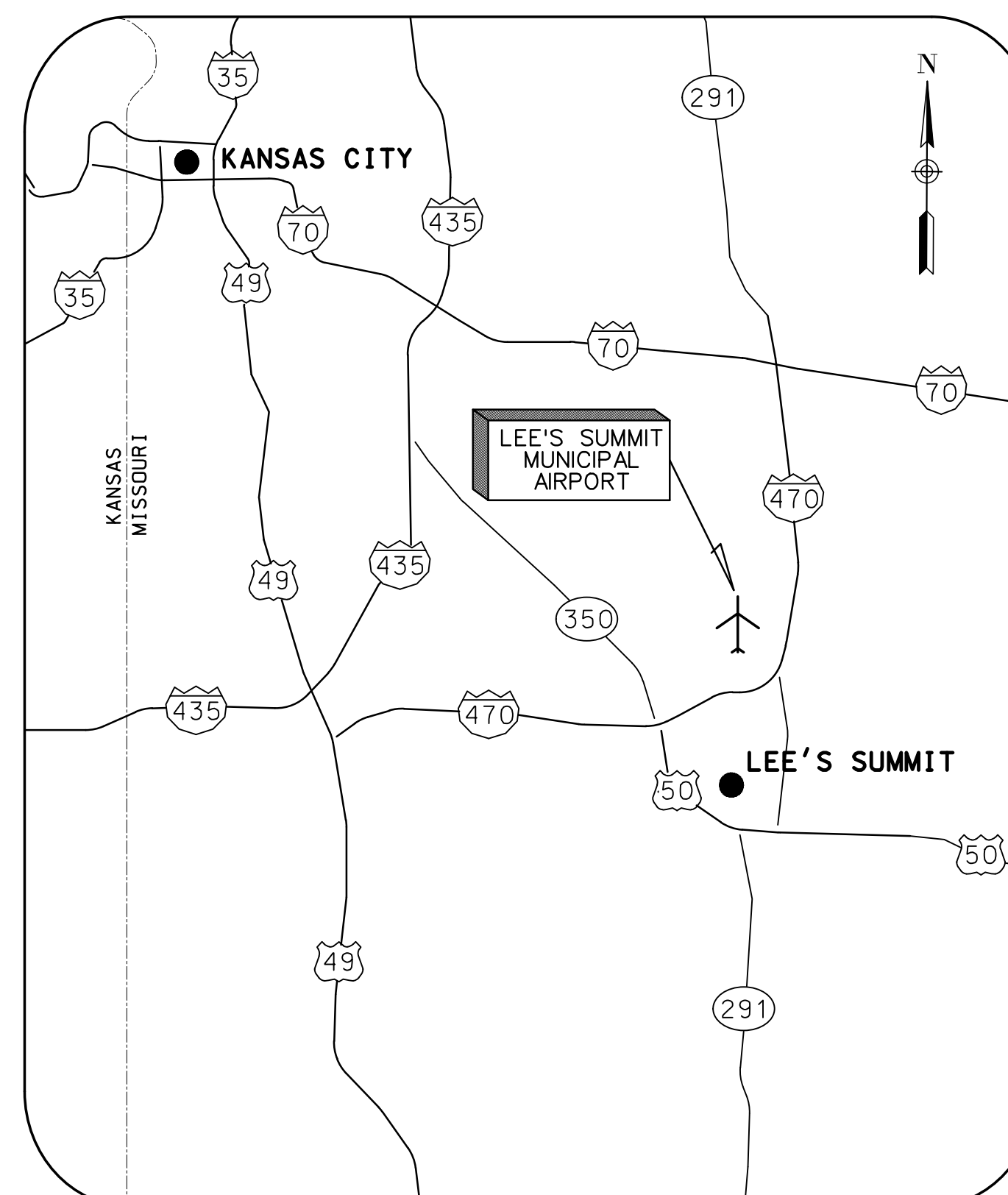
22001238

©Copyright CMT, Inc.
PROFESSIONAL ENGINEERING - 000631
CRAWFORD MURPHY & TILLY, INC.
CONSULTING ENGINEERS

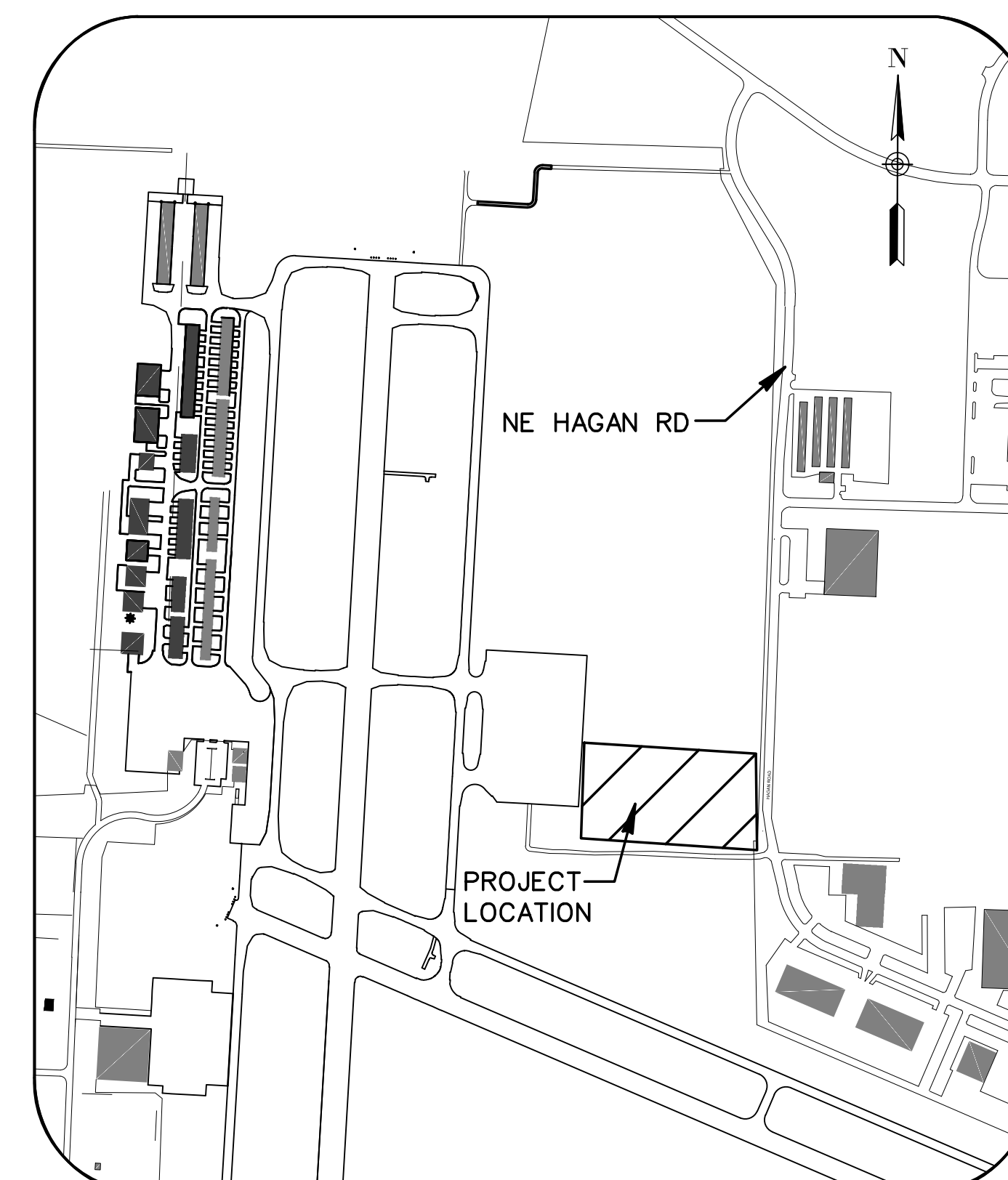
■ SPRINGFIELD, IL ■ AURORA, IL ■ ST. LOUIS, MO
■ EDWARDSVILLE, IL ■ CHICAGO, IL ■ PEORIA, IL ■ ROCKFORD, IL
■ INDIANAPOLIS, IN ■ COLUMBUS, OH ■ SPRINGFIELD, MO
■ KANSAS CITY, MO ■ LA BELLE, FL ■ MOLINE, IA

SUBMITTED BY GERALD BOLLINGER

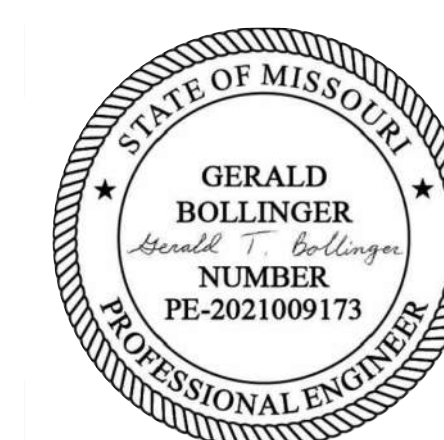
DATE NOVEMBER 25, 2024



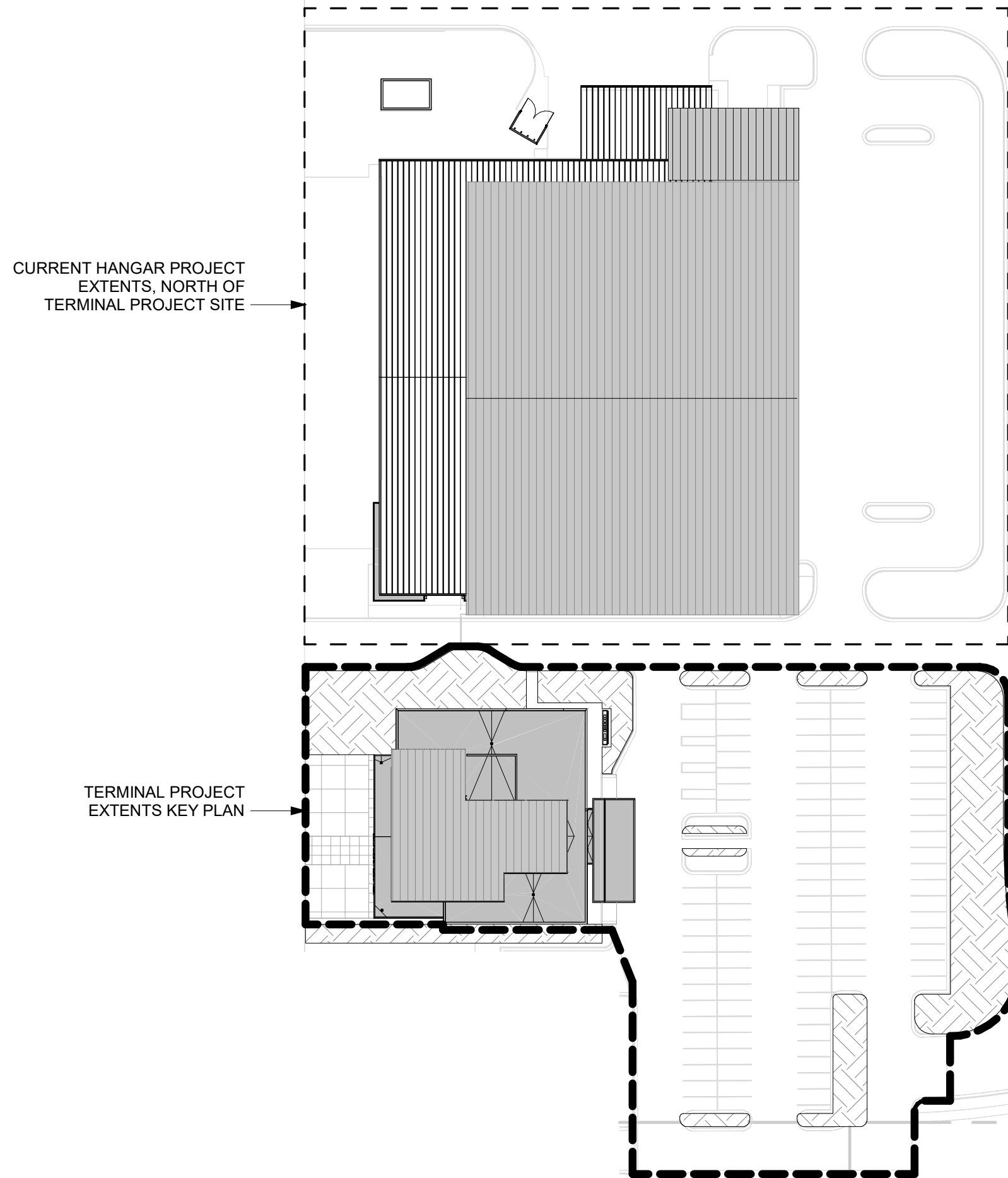
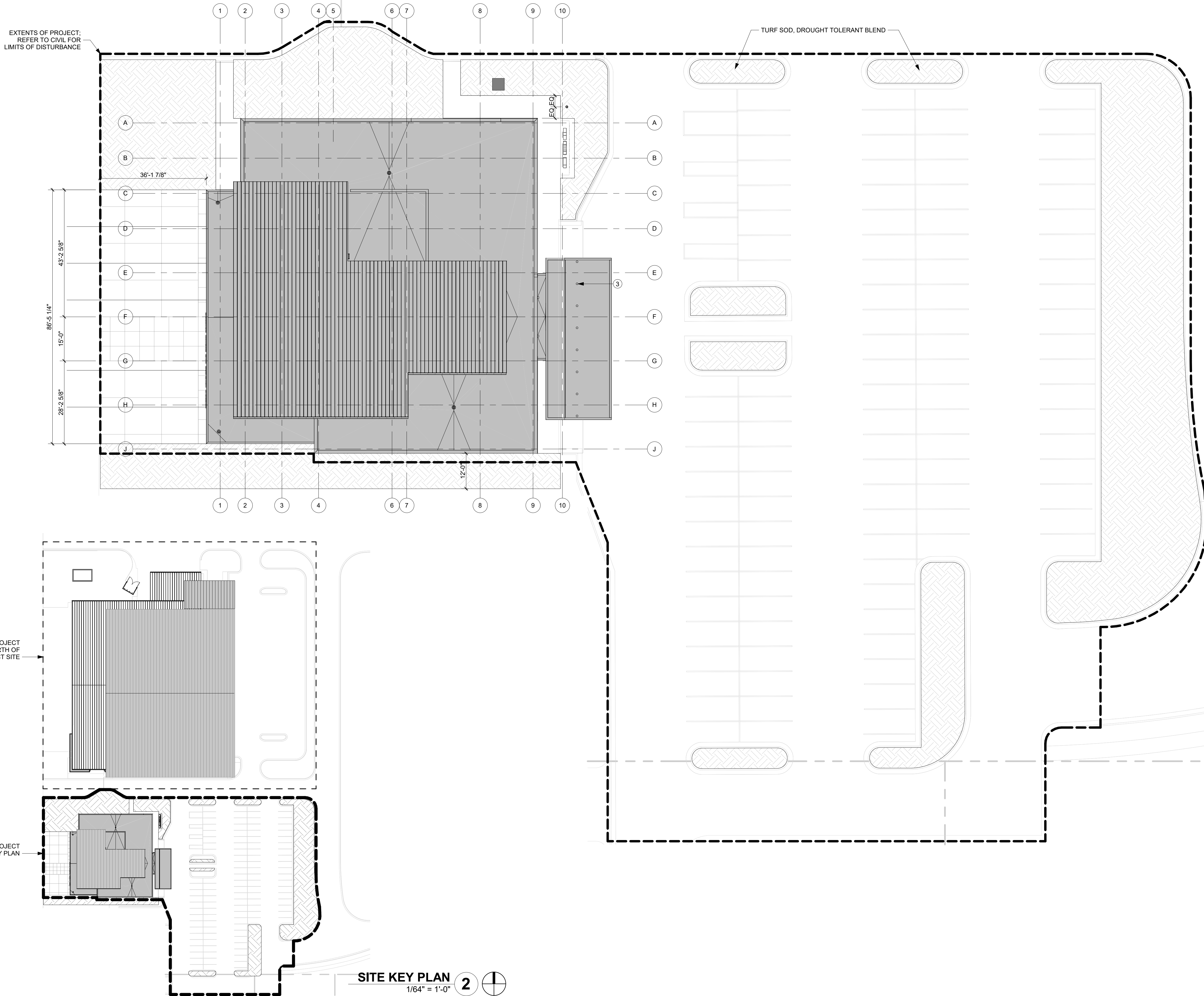
LOCATION MAP



SITE PLAN



10/27/2024 1:10:11 PM



SITE KEY PLAN
1/64" = 1'-0" 2

SITE PLAN
1/16" = 1'-0" 1

PLAN NOTES

LIST APPLIES TO
1 LINE OF CANOPY ABOVE
2 LINE OF SOFFIT/SLAB EDGE ABOVE
3 DECORATIVE BOLLARD WITH INTEGRAL LIGHTING
4 CANTILEVERED VEHICLE DROP OFF CANOPY WITH INTEGRAL GUTTER AND DOWNSPOUTS
5 AIR SIDE CANOPY PER DETAILS
7 3/4" PLYWOOD BLOCKING TO INSTALL WALL MOUNTED MONITORS RE: ELECTRICAL/IT/AV



1627 MAIN STREET, SUITE 600
KANSAS CITY, MO 64108



1627 MAIN STREET, SUITE 100
KANSAS CITY, MO 64108



1701 WALNUT STREET, SUITE 300
KANSAS CITY, MO 64108

LEE'S SUMMIT MUNICIPAL AIRPORT
LEE'S SUMMIT, MISSOURI
GENERAL AVIATION TERMINAL
CITY PROJECT NO. - 17932172



11/07/2024
Julie Black Wellner - MO #A-5006
Certificate of Authority - MO #000767

LEES SUMMIT MUNICIPAL AIRPORT
LEES SUMMIT, MO

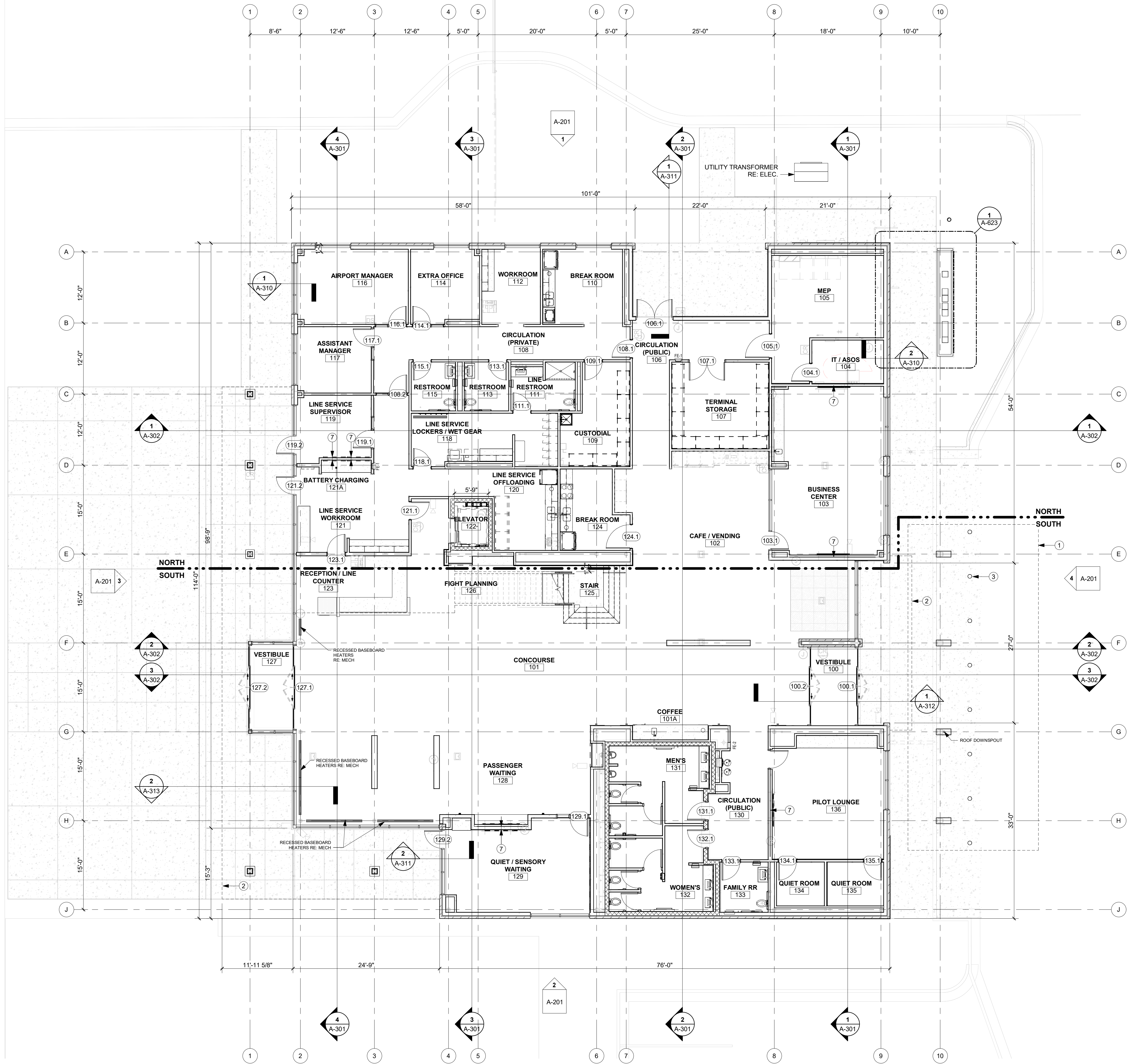
MARK	DATE	DESCRIPTION
------	------	-------------

PROJECT NO:	2403
REVIT FILE:	2403 Lee's Summit Terminal-R24.rvt
DESIGNED BY:	Designer
DRAWN BY:	EM
CHECKED BY:	JSB
APPROVED BY:	Approver
COPYRIGHT	2024

SHEET TITLE

SITE PLAN

A-100



1ST FLOOR PLAN 1
1/8" = 1'-0"

PLAN NOTES	
1	LINE OF CANOPY ABOVE
2	LINE OF SOFFIT/SLAB EDGE ABOVE
3	DECORATIVE BOLLARD WITH INTEGRAL LIGHTING
4	CANTILEVERED VEHICLE DROP OFF CANOPY WITH INTEGRAL GUTTER AND DOWNSPOUTS
5	AIR SIDE CANOPY PER DETAILS
7	3/4" PLYWOOD BLOCKING TO INSTALL WALL MOUNTED MONITORS RE: ELECTRICAL/IT/AV



1627 MAIN STREET, SUITE 600
KANSAS CITY, MO 64108



1627 MAIN STREET, SUITE 100
KANSAS CITY, MO 64108



1701 WALNUT STREET, SUITE 300
KANSAS CITY, MO 64108

LEE'S SUMMIT MUNICIPAL AIRPORT
LEE'S SUMMIT, MISSOURI
GENERAL AVIATION TERMINAL
CITY PROJECT NO. - 17932172



11/07/2024
Julie Black Wellner - MO #A-5006
Certificate of Authority - MO #000767

LEES SUMMIT MUNICIPAL AIRPORT
LEES SUMMIT, MO

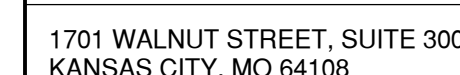
MARK	DATE	DESCRIPTION
------	------	-------------

PROJECT NO:	2403
REVIT FILE:	2403 Lee's Summit Terminal-R24.rvt
DESIGNED BY:	Designer
DRAWN BY:	EM
CHECKED BY:	JSB
APPROVED BY:	Approver
COPYRIGHT	2024

SHEET TITLE

1ST FLOOR PLAN

A-101



GENERAL AVIATION TERMINAL
CITY PORJECT NO. - 17932172



Julie Black Wellner - MO #A-5006
Certificate of Authority - MO #000767

LEES SUMMIT MUNICIPAL AIRPORT
LEES SUMMIT, MO

MARK	DATE	DESCRIPTION
------	------	-------------

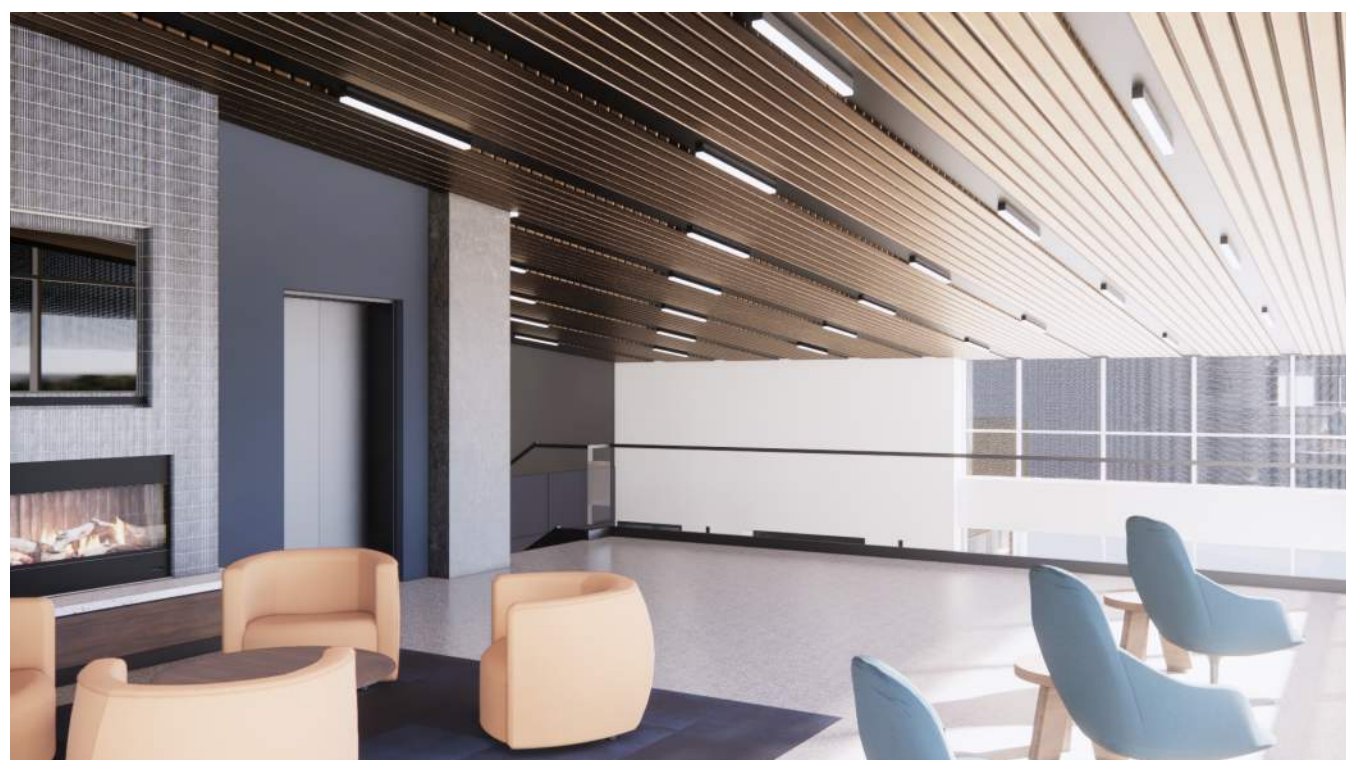
PROJECT NO:	2403
REVIT FILE:	2403 Lee's Summit Terminal-R24.rvt
DESIGNED BY:	Designer
DRAWN BY:	HJM
CHECKED BY:	JSB
APPROVED BY:	Approver
COPYRIGHT 2024	

SHEET TITLE

EXTERIOR SIGNAGE

A-623





1627 MAIN STREET, SUITE 600
KANSAS CITY, MO 64108



1627 MAIN STREET, SUITE 100
KANSAS CITY, MO 64108



1701 WALNUT STREET, SUITE 300
KANSAS CITY, MO 64108

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

GENERAL AVIATION TERMINAL
CITY PORJECT NO. - 17932172



11/07/2024
Julie Black Wellner - MO #A-5006
Certificate of Authority - MO #000767

LEES SUMMIT MUNICIPAL AIRPORT
LEES SUMMIT, MO

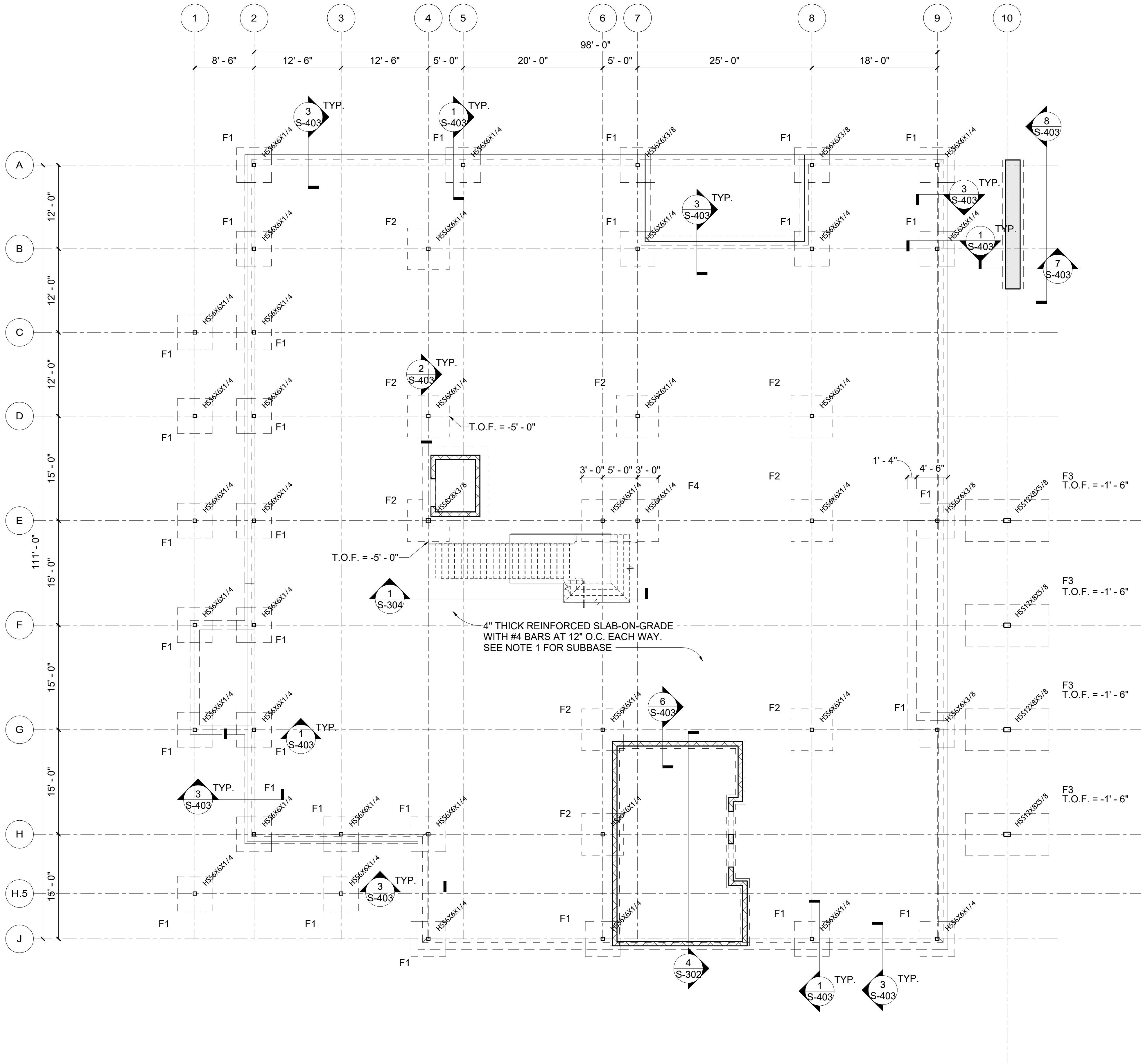
MARK	DATE	DESCRIPTION
PROJECT NO:	2403	
REVIT FILE:	2403 Lee's Summit Terminal-R24.rvt	
DESIGNED BY:	Designer	
DRAWN BY:	EM	
CHECKED BY:	JSB	
APPROVED BY:	Approver	
COPYRIGHT	2024	

SHEET TITLE

3D VIEWS

A-801

10/24/2024 4:59:00 PM



1 Foundation Plan
1/8" = 1'-0"

SPREAD FOOTING							
ID	QTY.	DIMENSIONS			REINF.		COMMENTS
		WIDTH	LENGTH	THICKNESS	TOP	BOT	
F1	30	5'- 0"	5'- 0"	2'- 6"	~	#5 @ 12" O.C. E.W.	
F2	9	6'- 0"	6'- 0"	1'- 4"	~	#5 @ 10" O.C. E.W.	
F3	4	6'- 0"	12'- 0"	2'- 6"	5 - #8 LONG. 10 - #8 TRANS.	5 - #8 LONG. 10 - #8 TRANS.	
F4	1	11'- 0"	6'- 0"	1'- 4"	~	#5 @ 10" O.C. E.W.	

- NOTES:
1. SLAB ON GRADE TO BE PLACED OVER 15-MIL VAPOR BARRIER OVER 4" CLEAN ROCK, OVER 12" CRUSHED LIMESTONE SCREENINGS PER GEOTECH REPORT
 2. TOP OF FOOTING = -1'- 3" (UNLESS NOTED OTHERWISE)



1627 MAIN STREET, SUITE 600
KANSAS CITY, MO 64108



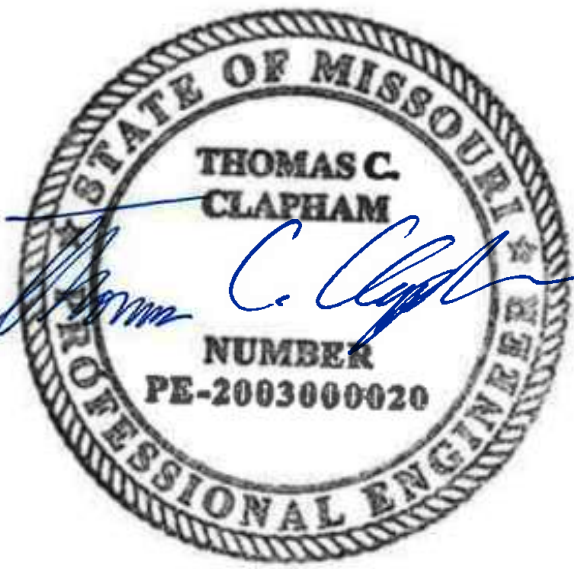
1627 MAIN STREET, SUITE 100
KANSAS CITY, MO 64108



1701 WALNUT STREET, SUITE 300
KANSAS CITY, MO 64108

CITY OF LEE'S SUMMIT NEW
TERMINAL PROJECT

LEE'S SUMMIT MUNICIPAL AIRPORT



10/25/24

LEES SUMMIT MUNICIPAL AIRPORT AUTHORITY
LEES SUMMIT, MO

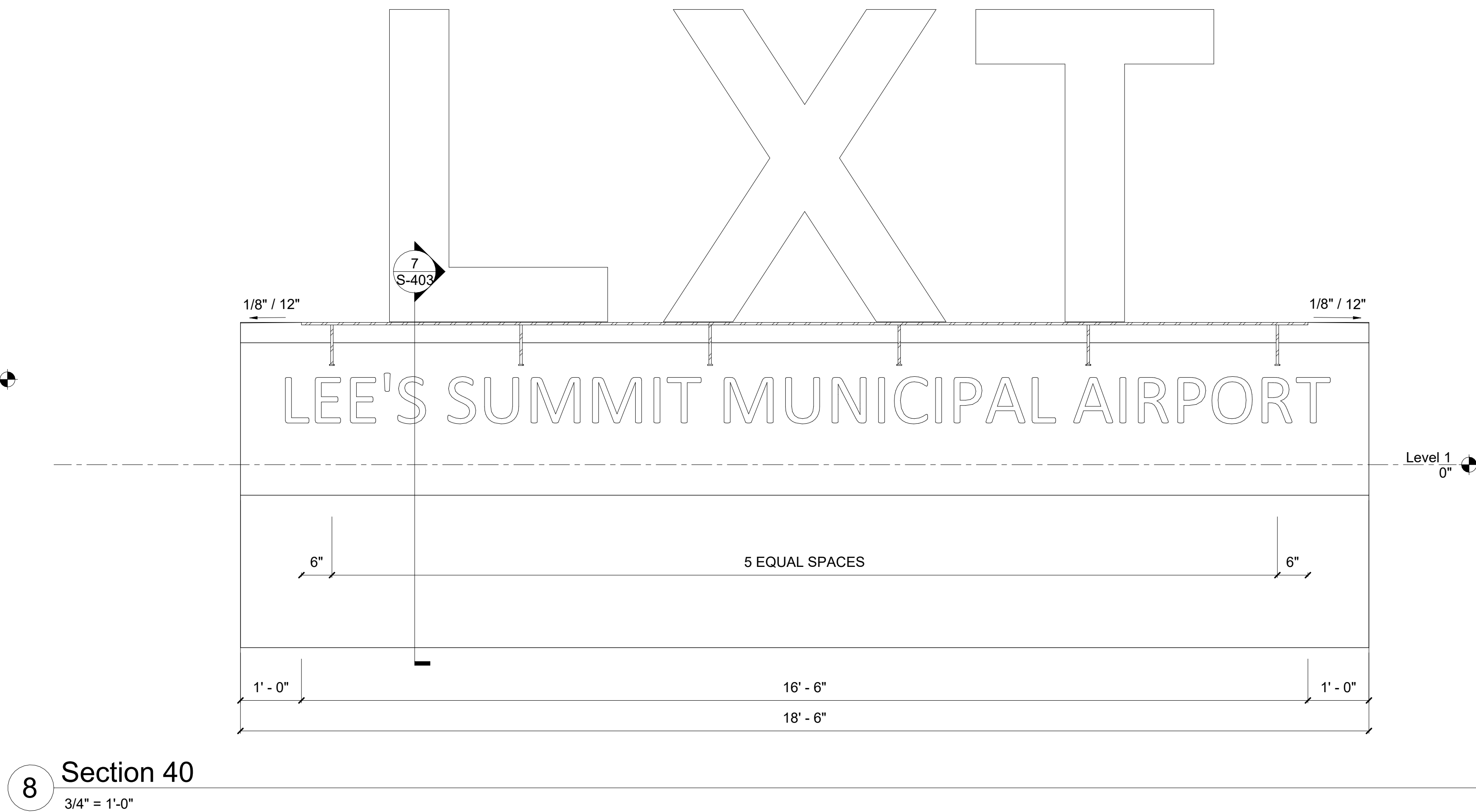
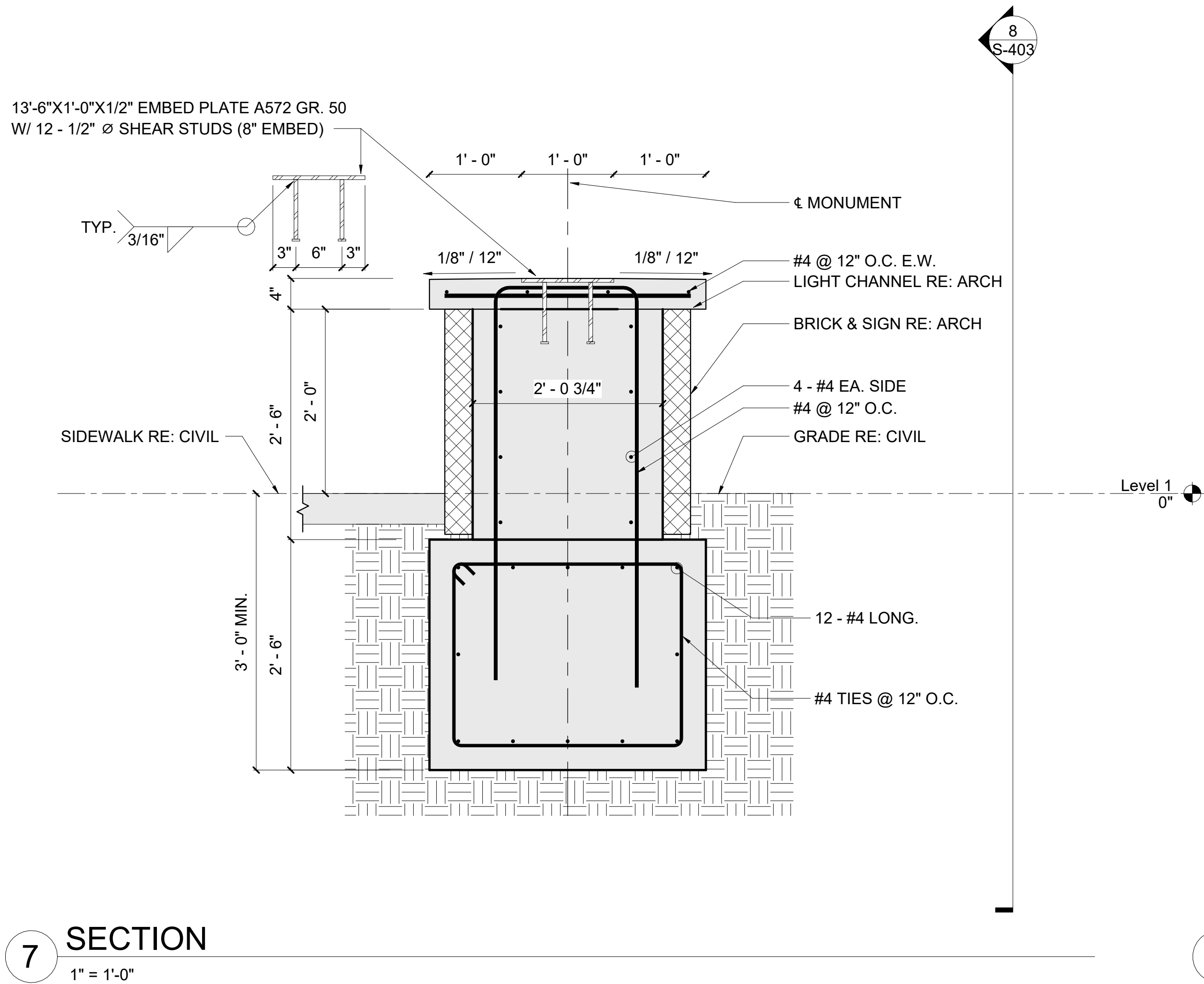
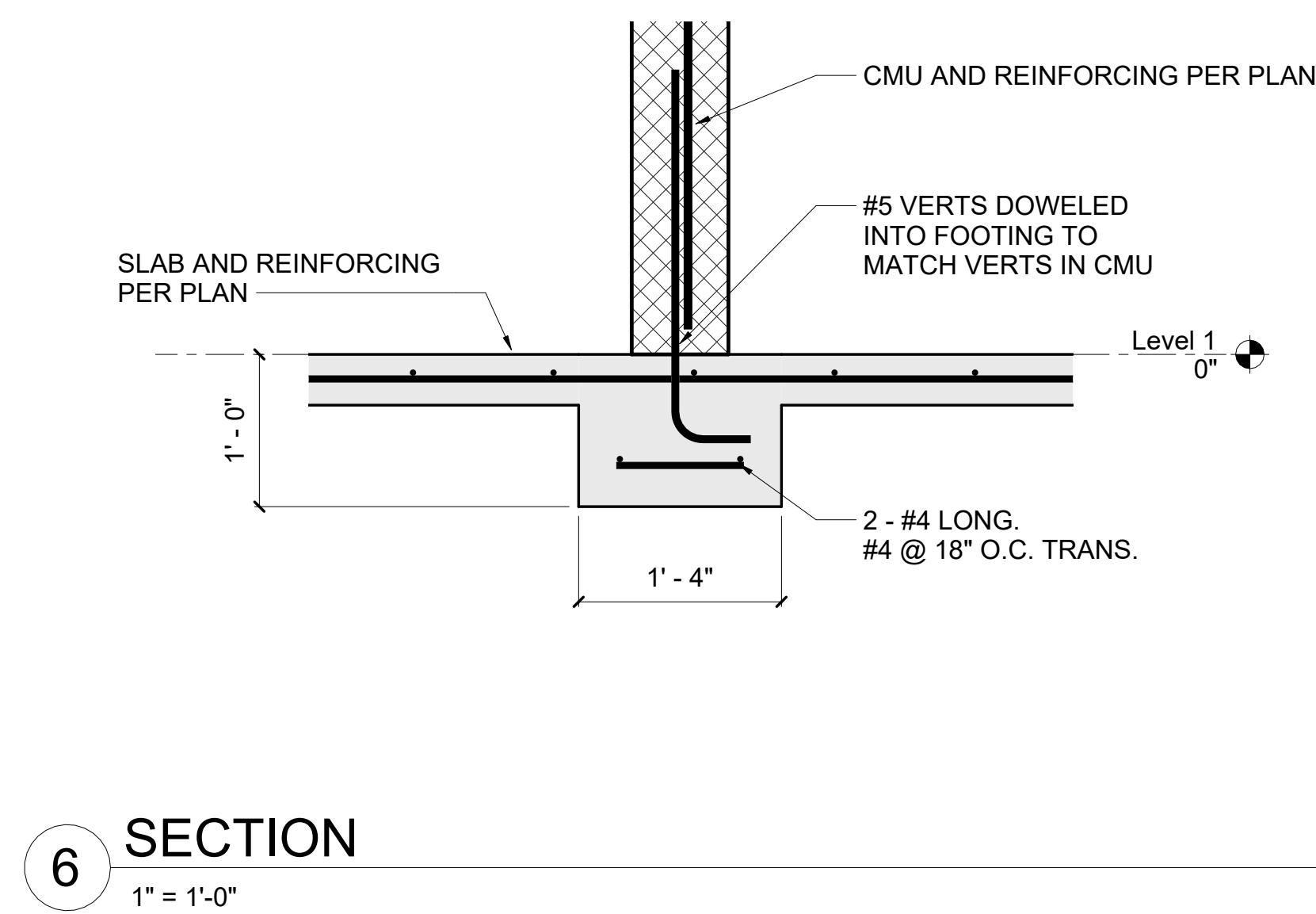
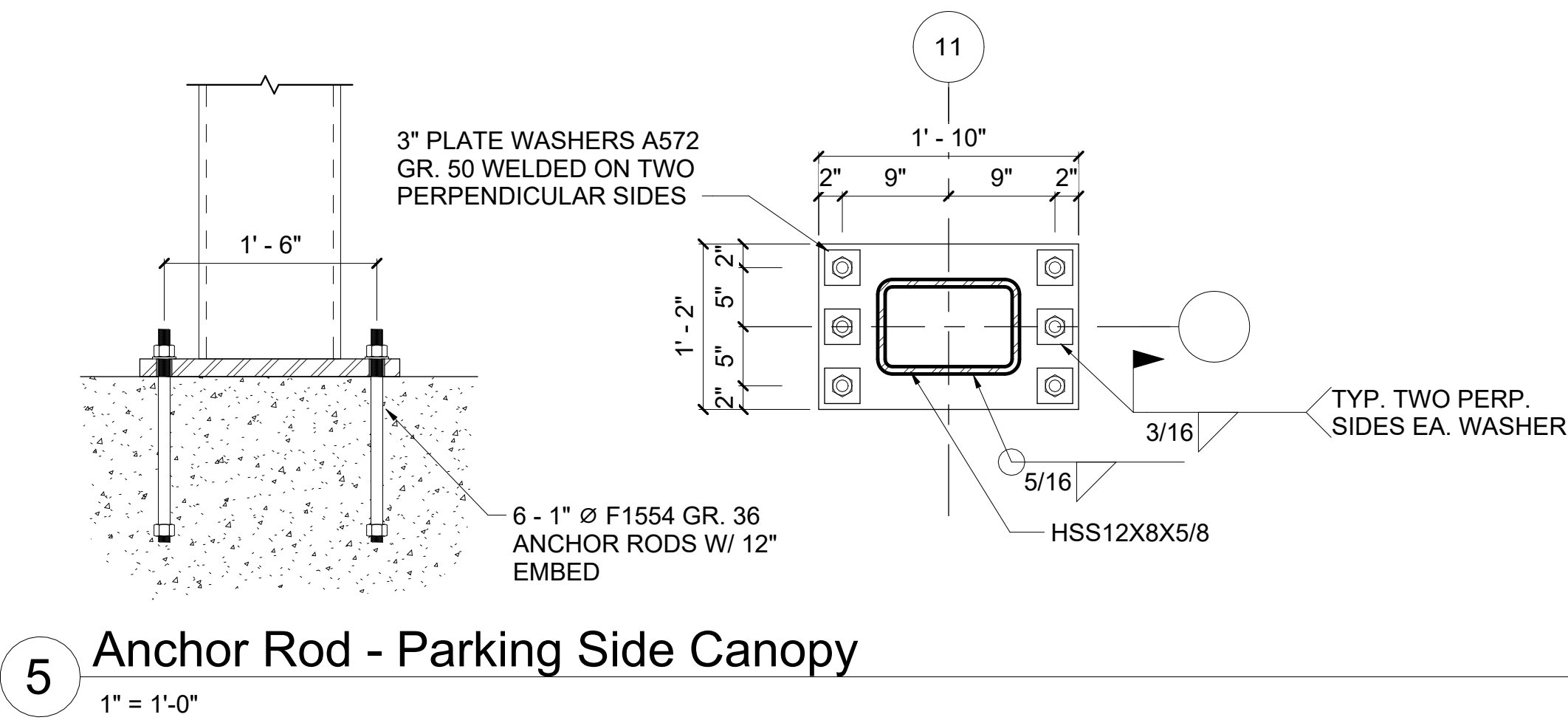
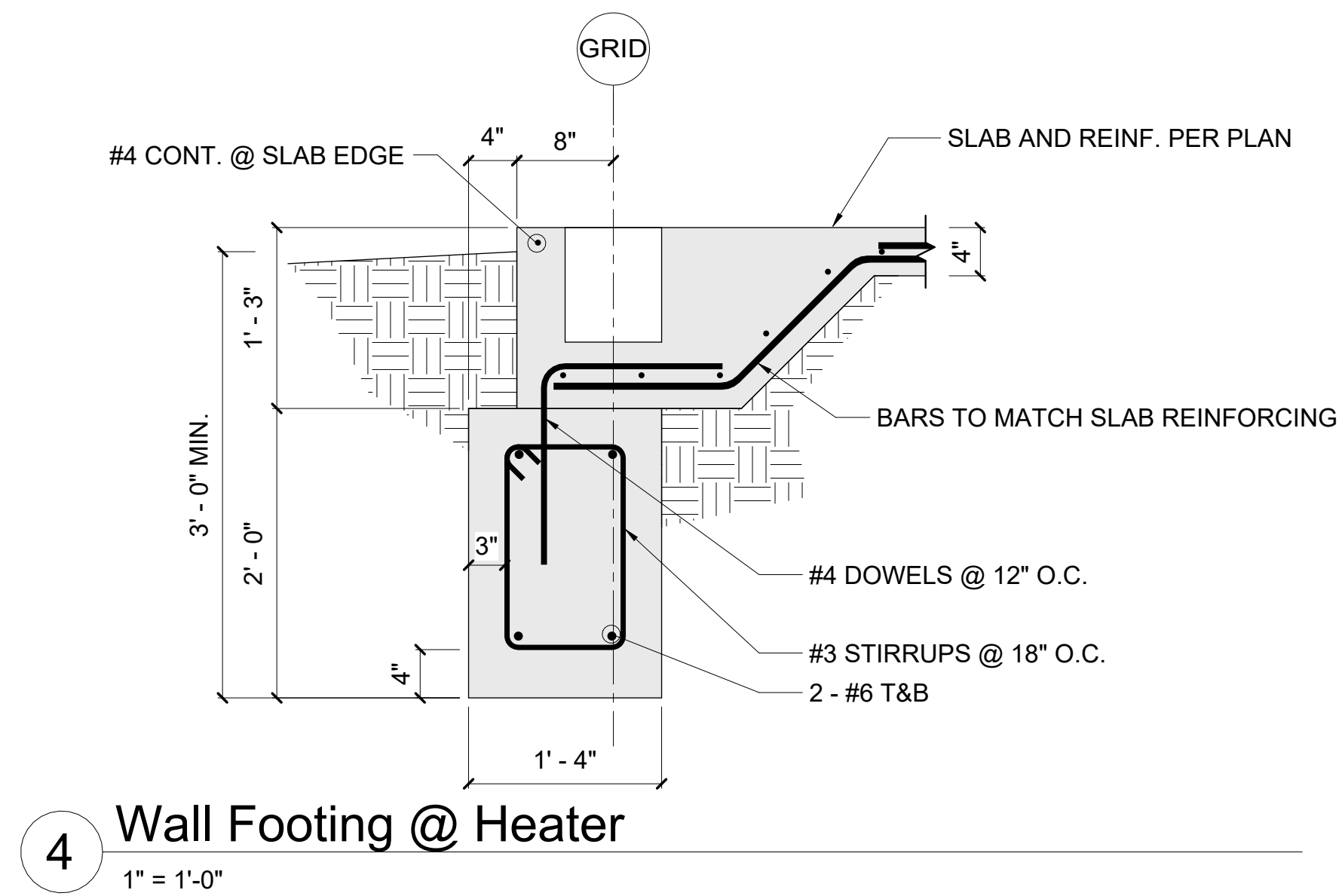
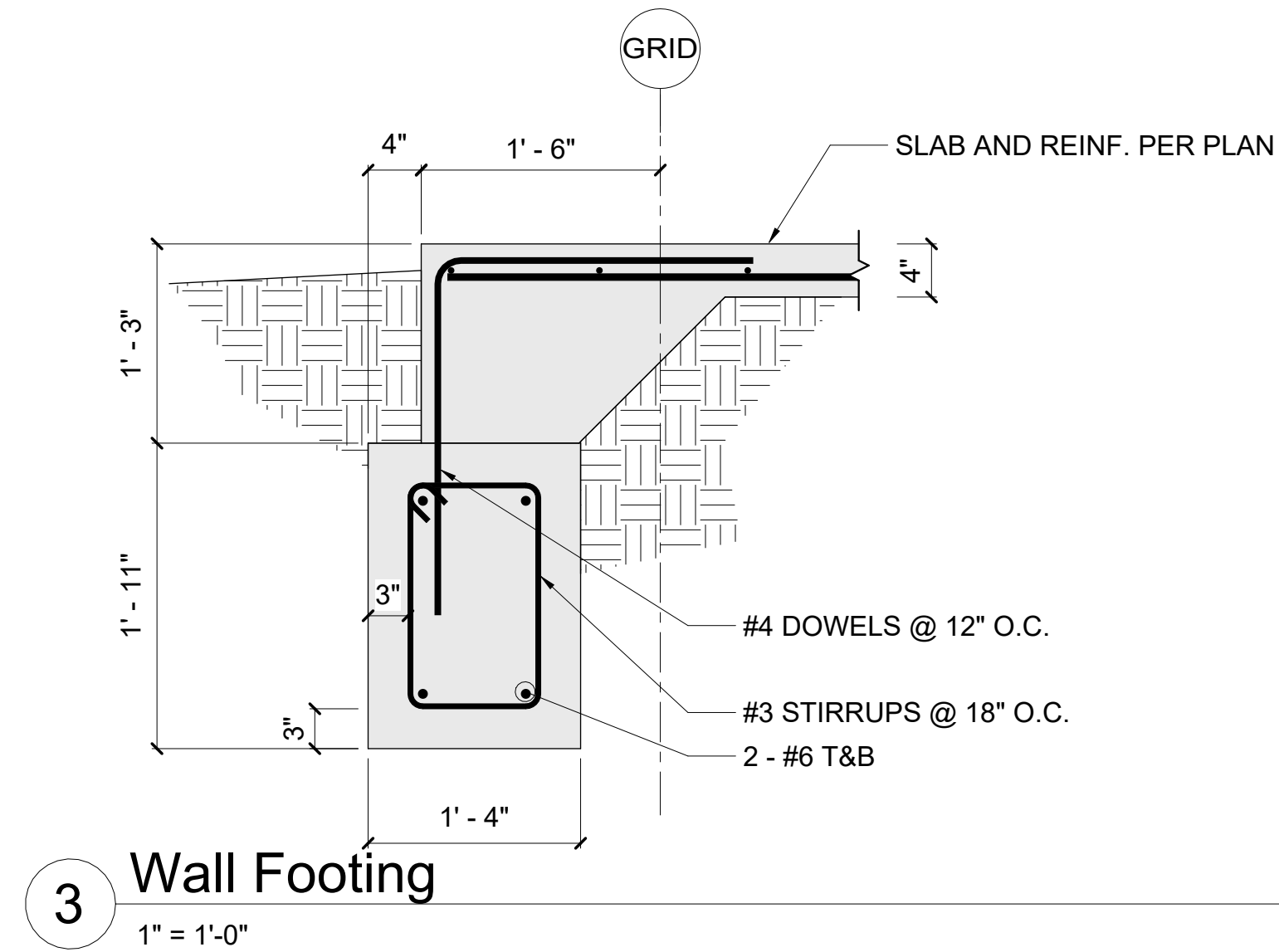
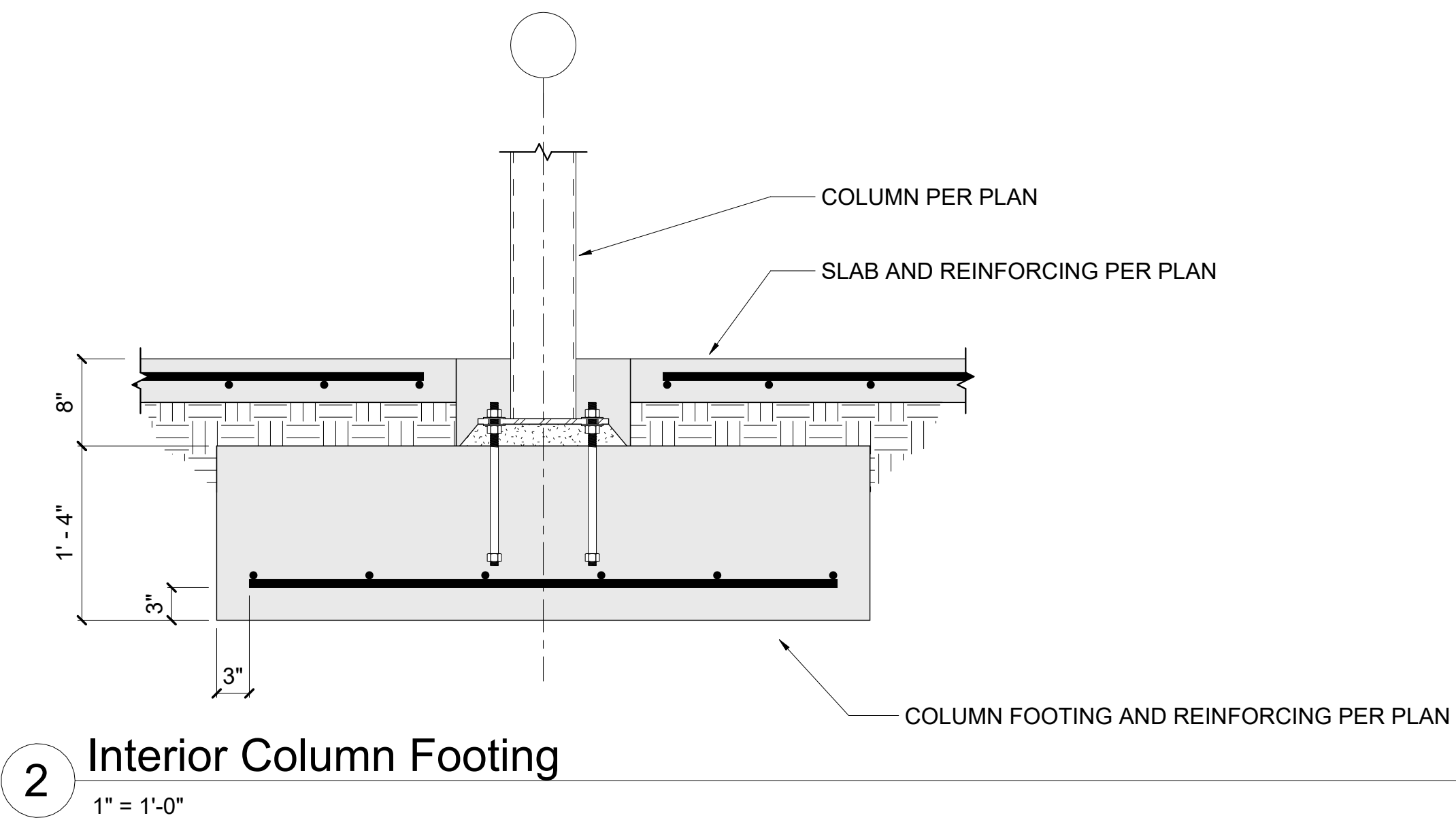
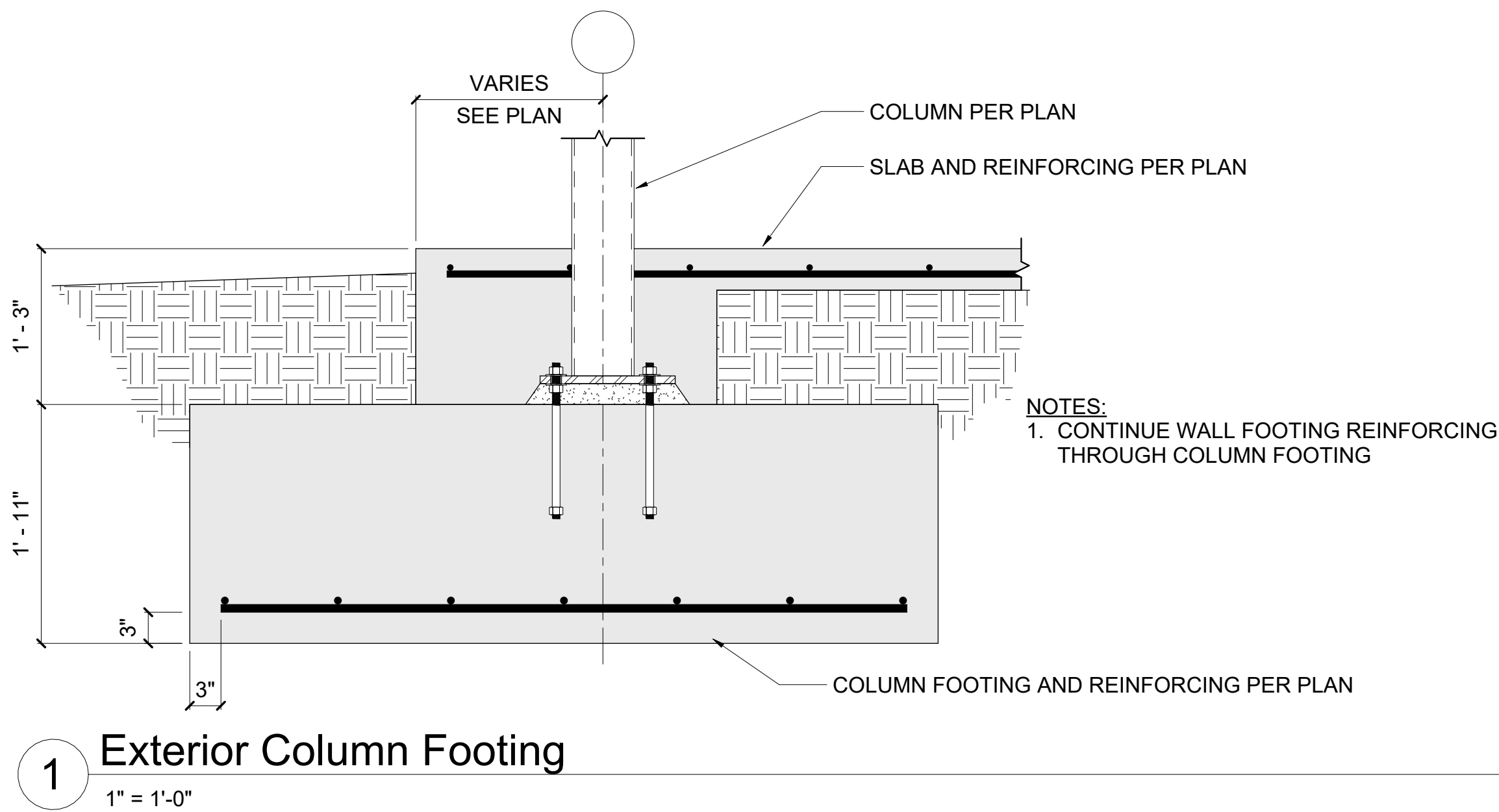
MARK DATE DESCRIPTION

PROJECT NO: 24KC50013
CAD DWG FILE: Lee's Summit - Hangar 2.rvt
DESIGNED BY: JDH & BLL
DRAWN BY: JDH
CHECKED BY: BLL
APPROVED BY:
COPYRIGHT 2023

SHEET TITLE

FOUNDATION PLAN

S-101



1627 MAIN STREET, SUITE 600
KANSAS CITY, MO 64108



1627 MAIN STREET, SUITE 100
KANSAS CITY, MO 64108



1701 WALNUT STREET, SUITE 300
KANSAS CITY, MO 64108

CITY OF LEE'S SUMMIT NEW
TERMINAL PROJECT

LEE'S SUMMIT MUNICIPAL AIRPORT



LEES SUMMIT MUNICIPAL AIRPORT AUTHORITY
LEES SUMMIT, MO

MARK DATE DESCRIPTION

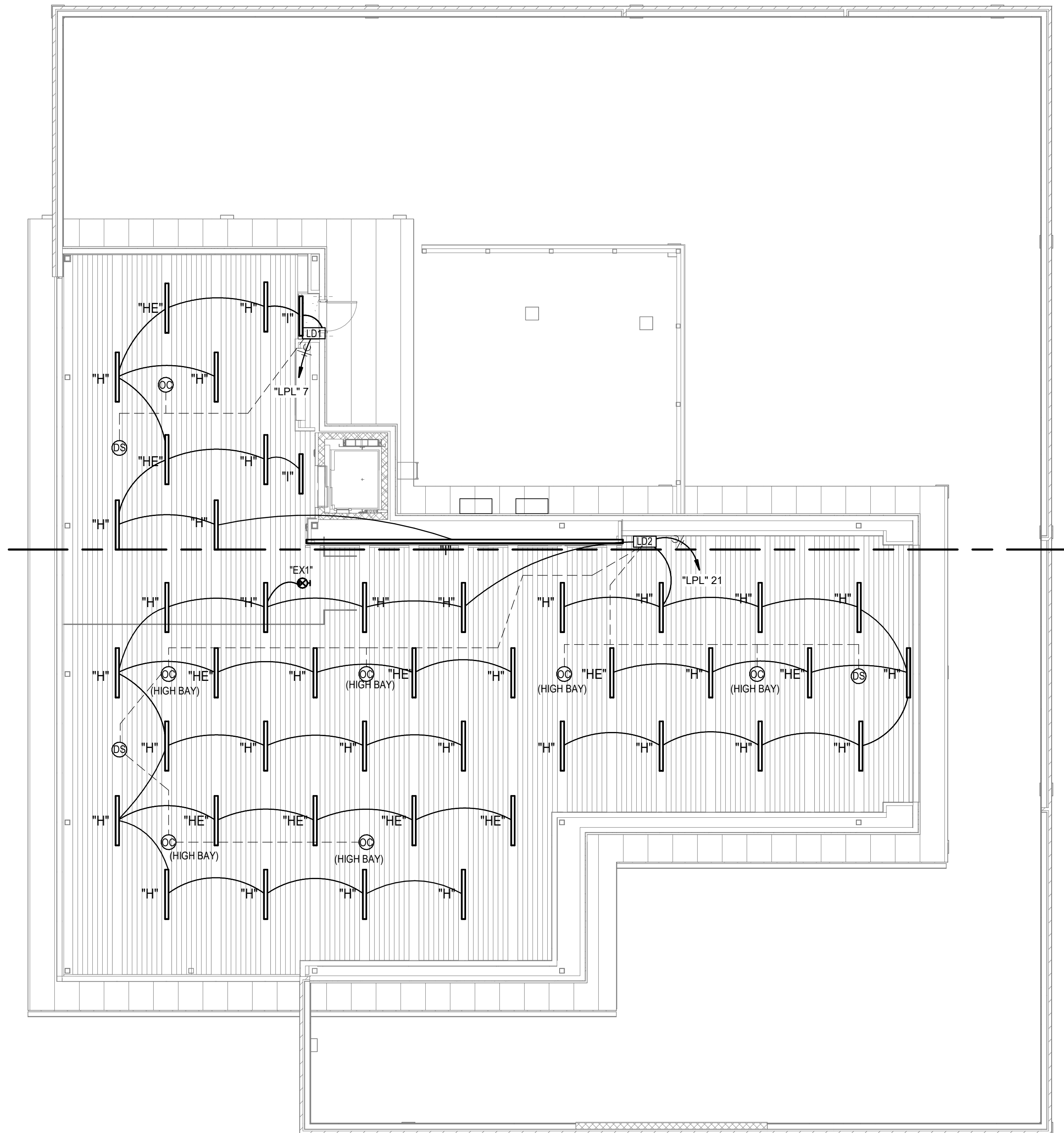
PROJECT NO: 24KC50013
CAD DWG FILE: Lee's Summit - Hangar 2.rvt
DESIGNED BY: JDH & BLL
DRAWN BY: JDH
CHECKED BY: BLL
APPROVED BY:
COPYRIGHT 2023

SHEET TITLE

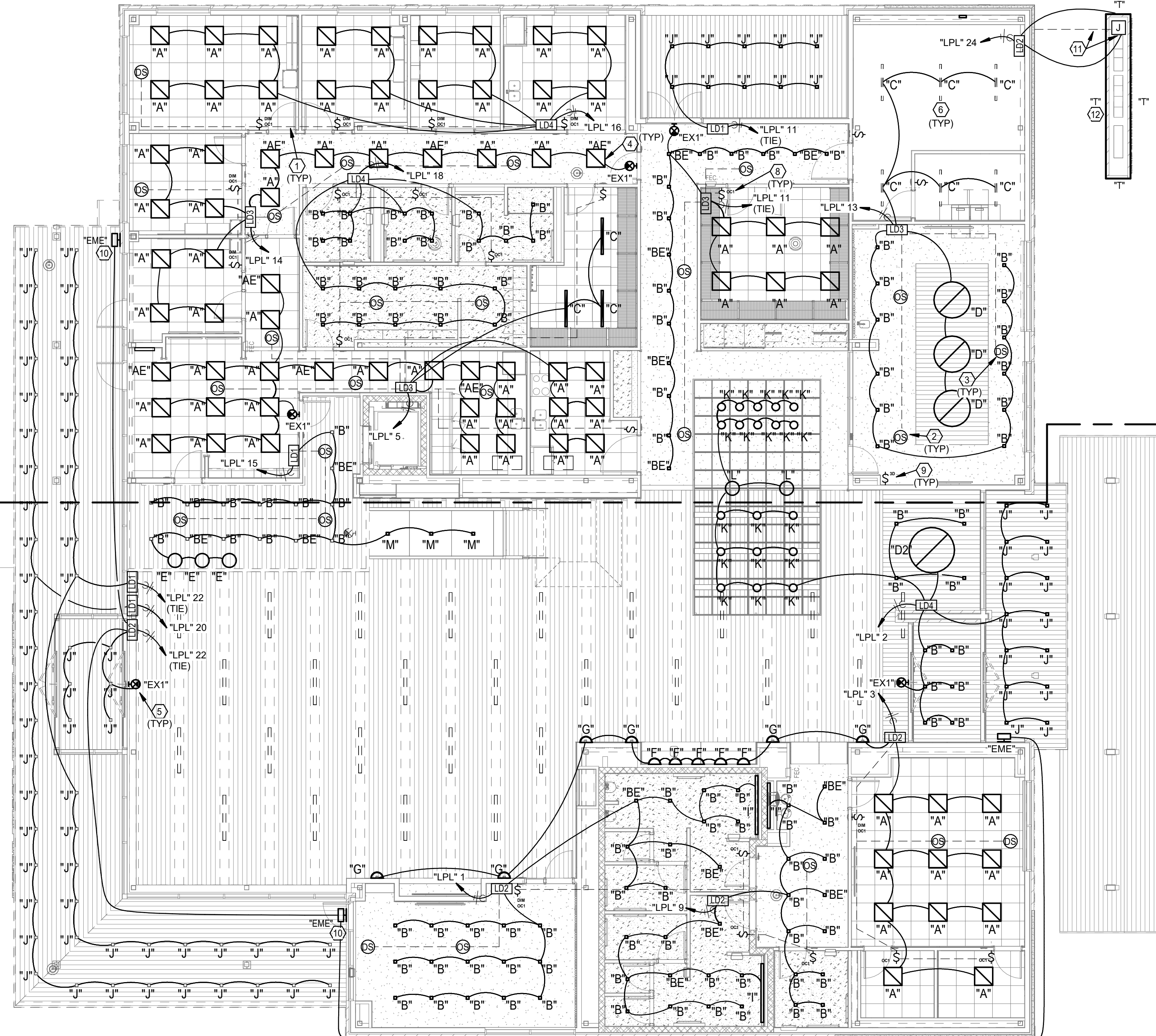
FOUNDATION DETAILS

S-403

10/22/2024 1:08:23 PM



Mezzanine Level
1/8" = 1'-0" 2



Level 01 LIGHTING PLAN
1/8" = 1'-0" 1

LIGHTING PLAN NOTES

- ROUTE CAT-6 CABLEING FOR ALL CONTROL DEVICES TO CONTROLLER.
- DUAL TECHNOLOGY (PIRUS) LOW VOLTAGE CEILING OCCUPANCY SENSOR FURNISHED AS PART OF DIGITAL LIGHTING CONTROL SYSTEM. ROUTE COMMUNICATION CABLEING TO CONTROLLER.
- TYPICAL DAYLIGHT HARVESTING SENSOR MOUNTED IN CEILING WITHIN 60" OF WINDOW.
- FIXTURES WITHIN DRYWALL CEILING LID TO BE FURNISHED WITH PLASTER FRAM (TYP. RE: ARCH REFLECTED CEILING PLANS).
- INCLUDE HOT UNSWITCHED CONDUCTOR WITH CIRCUITS THAT POWER EMERGENCY BATTERY PACK.
- SUSPEND LED STRIP FIXTURE WITH CHAINS AT 8'-0" AFF.
- DIGITAL LIGHTING CONTROLLER (1-4 CIRCUIT) MOUNTED ABOVE CEILING ON WALL 12" ABOVE GRID (LD FOR DIMMING, LC FOR GROUP CONTROL).
- TYPICAL DUAL TECHNOLOGY (PIRUS) WALL SWITCH OCCUPANCY SENSOR WITH OVERRIDE OFF AND PUSH TO DIM FURNISHED AS PART OF DIGITAL LIGHTING CONTROL SYSTEM. ROUTE COMMUNICATION CABLEING TO CONTROLLER.
- TYPICAL MULTI-BUTTON DIGITAL SWITCH SENSOR FURNISHED AS PART OF DIGITAL LIGHTING CONTROL SYSTEM. ROUTE COMMUNICATION CABLEING CONTROLLER. PROGRAM PER SEQUENCES FOR DAYLIGHTING, PUSH TO DIM, ETC.
- MOUNT EXTERIOR FIXTURE AT 126" AFF PROVIDE SURFACE MOUNTING PLATE AND ONCDUIT ENTRY. EXTERIOR EMERGENCY FIXTURES SHALL COME WITH BUILT-IN PHOTOCELL.
- PROVIDE 2#12, #12G, 3/4" UG CONDUIT FROM PANELBOARD SERVING LOAD TO JUNCTION BOX FOR MONUMENT SIGN POWER. FINAL CONNECTION BY MONUMENT SIGN VENDOR.
- LED STRIP LIGHTING ON THE PERIMETER OF MONUMENT SIGN. RE: ARCH DRAWINGS FOR ADDITIONAL DETAILS.

LIGHTING GENERAL NOTES

- ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE LOCAL VERSION OF THE NATIONAL ELECTRIC CODE AND NFPA AS ADOPTED BY THE AUTHORITY HAVING JURISDICTION.
- COORDINATE CLOSELY WITH ALL OTHER TRADES TO EXPEDITE CONSTRUCTION AND AVOID INTERFERENCES AND CONFLICTS BEFORE ANY PIPING, DUCTWORK, CONDUIT, ECT. IS INSTALLED. IT SHALL BE COORDINATED CAREFULLY BETWEEN ALL TRADES.
- CONTRACTOR SHALL GUARANTEE ALL EQUIPMENT, ACCESSORIES, AND MATERIAL FURNISHED BY THEM FOR A PERIOD OF ONE YEAR FROM FINAL ACCEPTANCE AGAINST ALL DEFECTORS.
- VERIFY IN FIELD, THE LOCATION OF ALL STRUCTURAL MEMBERS. CEILINGS ARE SHOWN SCHEMATICALLY FROM ARCHITECTURAL PLANS.
- ROUTE ALL CONDUIT TIGHT TO STRUCTURE.
- LIGHT FIXTURES DESIGNATED WITH THE LETTER 'E' (E, DE, BE, ETC.) SHALL BE CONNECTED TO CIRCUIT SHOWN THAT SHALL AUTOMATICALLY SWITCH TO EMERGENCY POWER IN THE EVENT OF A NORMAL POWER LOSS.
- PROVIDE ALL LED DIMMABLE FIXTURES WITH 0-10V DIMMABLE DRIVERS.
- REFER TO SHEET E-400 FOR DIMMING SWITCH BANKS.
- EXIT LIGHTS SHALL BE CIRCUITED TO UNSWITCHED HOT, TYPICAL ALL EXITS THROUGHOUT.



1627 MAIN STREET, SUITE 600
KANSAS CITY, MO 64108



1627 MAIN STREET, SUITE 100
KANSAS CITY, MO 64108



1701 WALNUT STREET, SUITE 300
KANSAS CITY, MO 64108

CITY OF LEE'S SUMMIT NEW TERMINAL PROJECT

LEE'S SUMMIT MUNICIPAL AIRPORT



Cory Wilson - MO #PE-2010009876
Certificate of Authority - MO #2024005146

LEES SUMMIT MUNICIPAL AIRPORT
LEES SUMMIT, MO

MARK DATE DESCRIPTION

PROJECT NO: 2403
CAD DWG FILE: Lee's Summit - Hangar 2.rvt
DESIGNED BY: CMW
DRAWN BY: MR
CHECKED BY: WAI
APPROVED BY: APPROVER
COPYRIGHT 2023

SHEET TITLE

LIGHTING PLANS

E-100

SHEET OF