

Office Layout

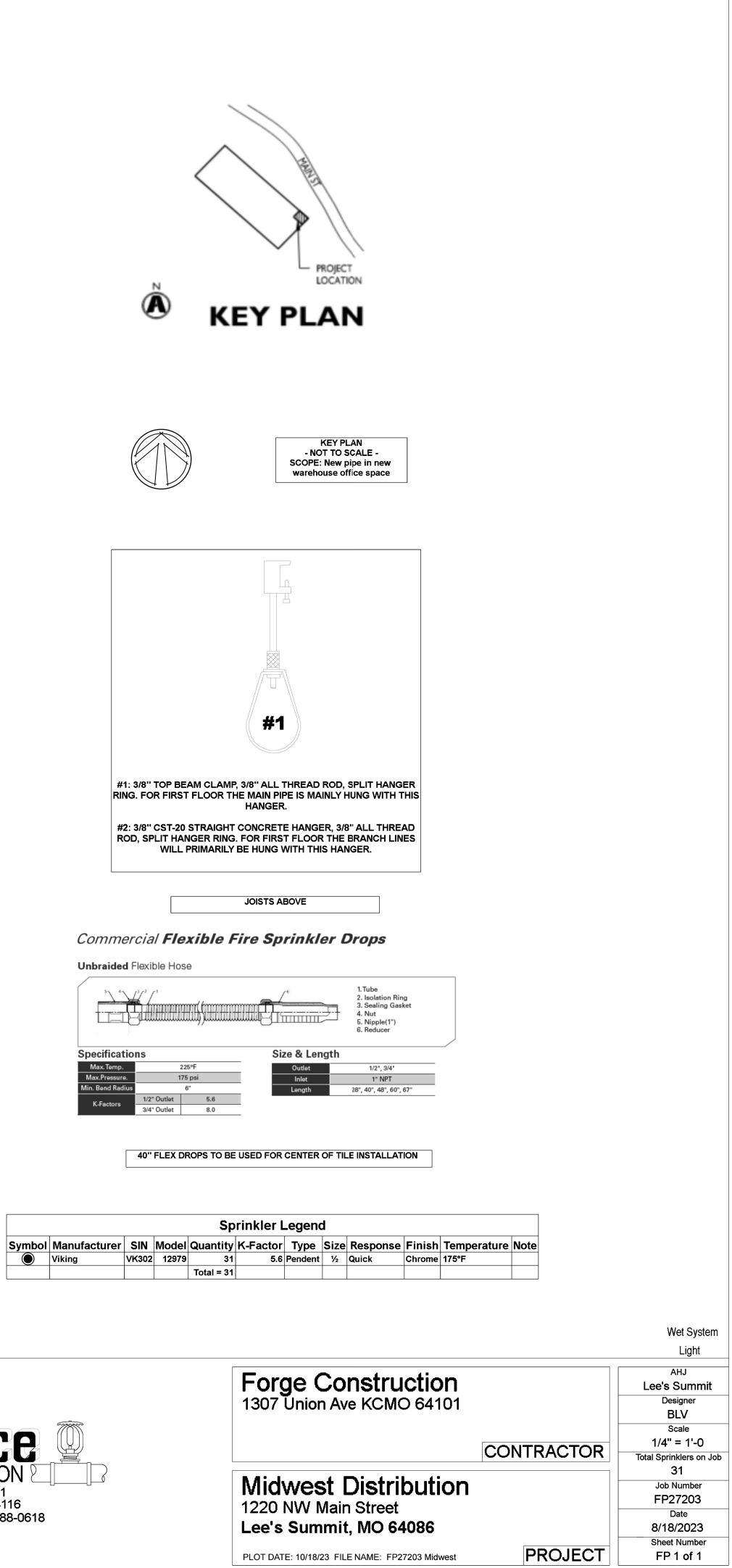
Midwest Distribution LSC Bldg 2 0¼" = 1 Foot

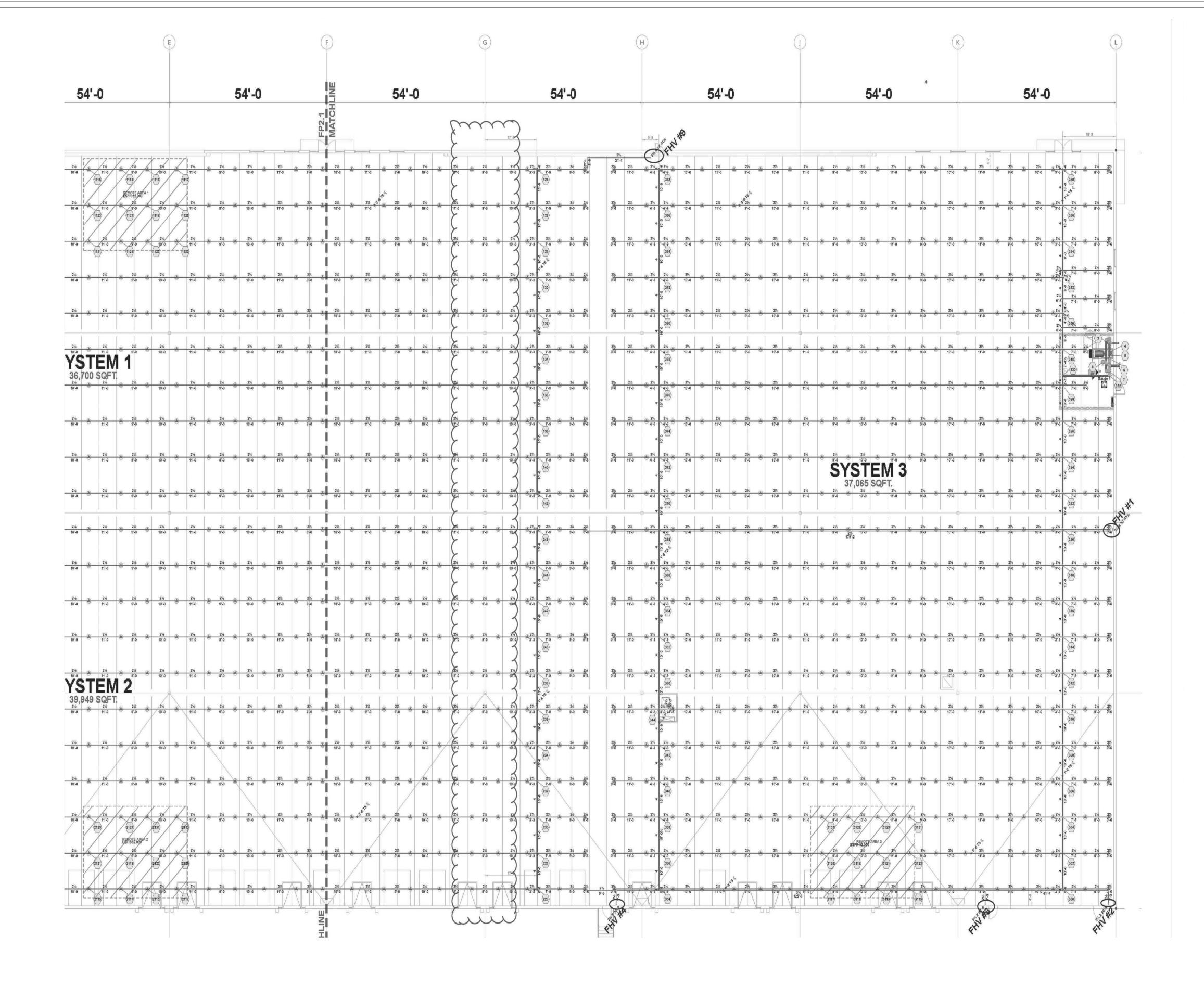
SCOPE OF WORK: Design Professional of Record General Fire Protection Notes & Legend Add new for office space to an existing Design is based on 2016 NFPA 13 for installation & NFPA 25 for maintenance. 2. All sprinkler material to comply with UL listings, all AHJ requirements, and NFPA standards. warehouse 3. Continuous central monitoring of sprinkler systems per NFPA 72 to be by others. 10/18/2023 4. All valves to be monitored by tamper switches. All electrical wiring to be by others.
 Any underground pipe work to be by others. Hazard rating: Light 7. All painting of sprinkler pipe to be by others. MATTHEN 8. All patching and/or painting of penetrated drywall and masonry walls to be by others. 9. Adequate heat to be maintained to prevent pipe freezing. JAMES 10. This building is Unobstructed Noncombustible construction. GRISE 11. Wet type system. NUMBER 12. No work done in hydraulically remote area. PE-2008030039 13. 1-1/4" grooved pipe shall be schedule 10, 1-1/2" - 4" to be schedule 7 14. 1" to be black schedule 40 steel.

*PIPE IS 1" BLACK SCHEDULE 40 UNO

Revisions	
***	**







Design Professional of Record	General Fire Protection Notes & Legend	SCOPE OF WORK:
	1. Design is based on 2016 NFPA 13 for installation & NFPA 25 for maintenance.	OVERHEAD ESFR/FH
	 All sprinkler material to comply with UL listings, all AHJ requirements, and NFPA standards. Continuous central monitoring of sprinkler systems per NFPA 72 to be by others. 	FOR THE OFFICE WA
	 4. All valves to be monitored by tamper switches. 5. All electrical wiring to be by others. 6. Any underground pipe work to be by others. 	Hazard rating:
	 All painting of sprinkler pipe to be by others. All patching and/or painting of penetrated drywall and masonry walls to be by others. 	EXISTING ESFR/FVH S
	9. Adequate heat to be maintained to prevent pipe freezing.10. This building is Unobstructed Noncombustible construction.	DEMISING WALL WAS
	11. Wet type system.12. No work done in hydraulically remote area.	DID NOT REQUIRED A

FHV #1,#2,#3,#4, AND #9 REMAINED IN THE TI SPACE.

13. 1-1/4" grooved pipe shall be schedule 10 , 1-1/2" - 4" to be schedule 7 14. 1" to be black schedule 40 steel.

IV WAS NOT MODIFIED. THE NEW PIPE AS TIED INTO THE EXISTING RISER #3.

SYSTEMS

S BUILT ON COLUMN LINE G WHICH ANY SPACING ADJUSTMENT.

Revisions		



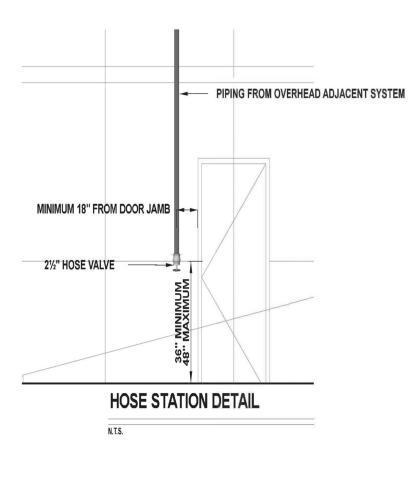
DESIGN CRITERIA - ESFR

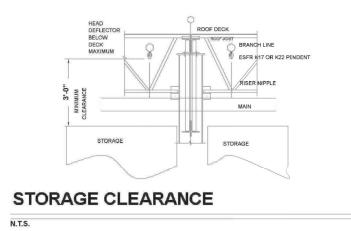
** SPRINKLER SYSTEM DESIGN CRITERIA (ESFR)-PALLETIZED/SOLID-PILE/RACK STORAGE UP TO 40':

FROM NFPA 13, 2016 EDITION TABLES 14.4.1, 15.4.1, 16.3.3.1, 17.3.3.1 COMMODITY CLASSIFICATION: CLASS I, II, III OR IV, ENCAPSULATED OR UNENCAPSULATED, NO OPEN TOP CONTAINERS, AND CARTONED OR EXPOSED UNEXPANDED GROUP A PLASTICS STORAGE ARRANGEMENT: PALLETIZED/SOLID-PILE/SINGLE & DOUBLE ROW RACKS WITH NO SOLID SHELVING

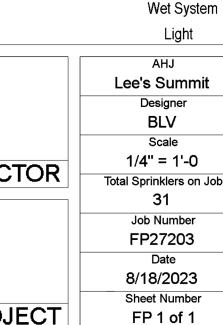
CONSTRUCTION TYPE: ALL TYPES MAXIMUM STORAGE HEIGHT: 35 FEET MAXIMUM CEILING/ROOF HEIGHT: 40 FEET MINIMUM CLEARANCE FROM SPRINKLER DEFLECTOR TO TOP OF STORAGE: 36 INCHES SPRINKLER TYPE: ESFR (EARLY SUPPRESSION FAST-RESPONSE) SPRINKLER K-FACTOR: 16.8 SPRINKLER TEMPERATURE RATING: 205°F SPRINKLER ORIENTATION: PENDENT MAXIMUM SPRINKLER DEFLECTOR DISTANCE BELOW CEILING: 14 INCHES MINIMUM SPRINKLER DEFLECTOR DISTANCE BELOW CEILING: 6 INCHES MAXIMUM SPRINKLER SPACING/AREA: 10 FEET/100 S.F. MINIMUM SPRINKLER SPACING: 8 FEET/64 S.F. TYPE OF SYSTEM: WET NUMBER OF DESIGN SPRINKLERS: 12 MINIMUM SPRINKLER OPERATING PRESSURE: 52 PSI INSIDE HOSE STREAM ALLOWANCE: 0 GPM OUTSIDE HOSE STREAM ALLOWANCE: 250 GPM TOTAL HOSE STREAM ALLOWANCE: 250 GPM IN-RACK SPRINKLERS: NO

**SYSTEMS SHALL BE WET ONLY. **ROOF OR CEILING SLOPES SHALL NOT EXCEED A PITCH OF 2:12. **TOTAL SYSTEM SIZE SHALL NOT EXCEED 40,000 S.F. COMBINED HIGH PILED/RACK STORAGE & LIGHT/ORDINARY HAZARD SYSTEMS MAY COVER UP TO 52,000 S.F.











CONTRACTOR

Midwest Distribution 1220 NW Main Street Lee's Summit, MO 64086

PLOT DATE: 10/18/23 FILE NAME: FP27203 Midwest

PROJECT