

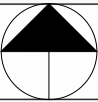
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SCANNELL PROPERTIES

LEE'S SUMMIT LOGISTICS BUILDING B LOT 2
1220 NW MAIN ST. LEE'S SUMMIT, MO 64086

CVR

LEE'S SUMMIT LOGISTICS BUILDING B LOT 2
1220 NW MAIN ST. LEE'S SUMMIT, MO 64086



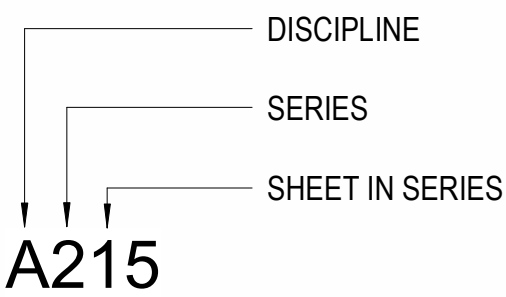
VICINITY MAP

II B UN-LIMITED

PROJECT TEAM

PROJECT INFORMATION

SHEET INDEX			
SHEET #	SHEET NAME	REVISION #	REVISION DATE
GENERAL			
CVR	COVER SHEET		
ARCHITECTURAL			
A101	OVERALL FLOOR PLAN	2	04/23/2025
ELECTRICAL			
E1.00	WAREHOUSE LIGHTING PLAN		
E2.00	RISER DIAGRAM		



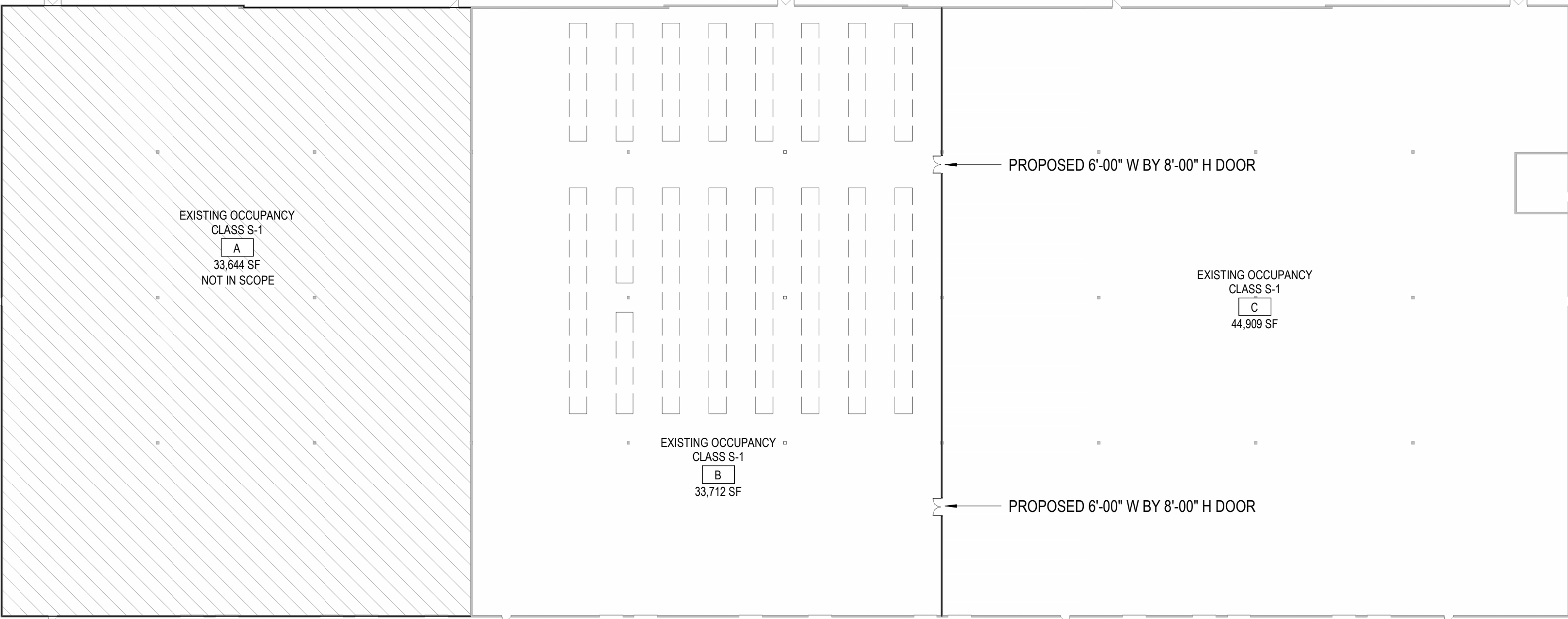
DISCIPLINE ABBREVIATIONS:

A	ARCHITECTURAL	G	GENERAL
C	CIVIL	K	KITCHEN
D	DEMOLITION	L	LANDSCAPE
E	ELECTRICAL	M	MECHANICAL
EL	ELECTRICAL - LIGHTING	P	PLUMBING
EP	ELECTRICAL - POWER	S	STRUCTURAL
F	FURNITURE & EQUIPMENT	T	TECHNOLOGY

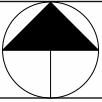
SHEET NUMBER KEY



DRAWING NUMBER KEY



KEY PLAN 1/32" = 1'-0"	1
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SCANNELL PROPERTIES

LEE'S SUMMIT LOGISTICS BUILDING B LOT 2
1220 NW MAIN ST. LEE'S SUMMIT, MO 64086

REVISION 2

DRAWING TITLE

DRAWING NUMBER

A101



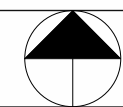
FLOOR PLAN LEGEND

- ### GENERAL NOTES- FLOOR PLAN

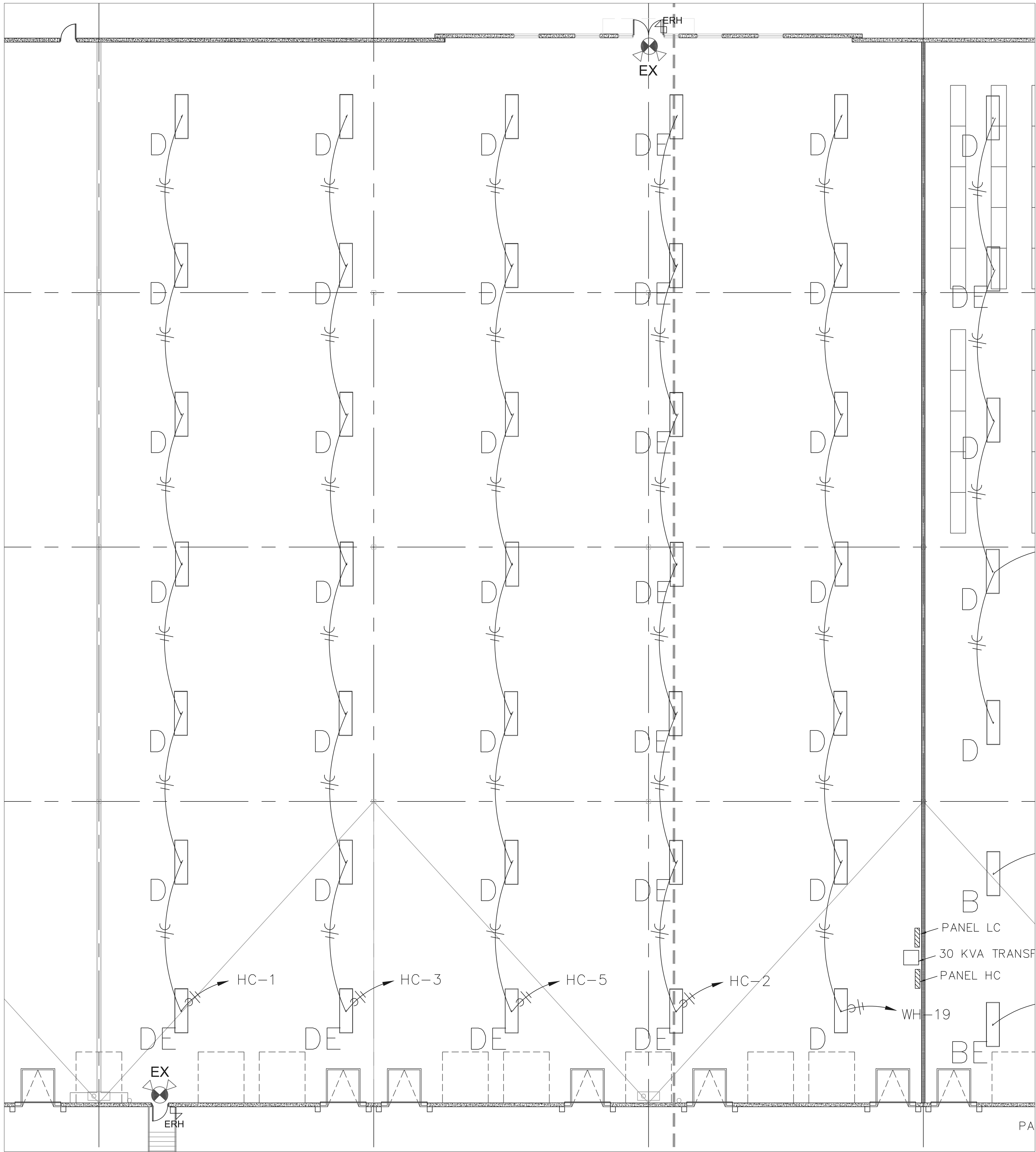
II B UN-LIMITED

LENGTH OF EXIT ACCESS TRAVEL IS PROVIDED AT 400'-0" MAXIMUM PER IBC 1017.2.2 GROUPS F-1 AND S-1 INCREASE. THE FOLLOWING CONDITIONS HAVE BEEN MET:

1. THE PORTION OF THE BUILDING CLASSIFIED AS GROUP S-1 LIMITED TO 1 STORY IN HEIGHT
2. THE MINIMUM HEIGHT FROM THE FINISHED FLOOR TO THE BOTTOM OF CEILING OR ROOF SLAB OF DECK IS 24 FEET
3. THE BUILDING IS EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH SECTION 903.3.1.1.



FLOOR PLAN
3/64" = 1'-0"



1 WAREHOUSE LIGHTING PLAN
3/32" = 1'



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PROJECT INFORMATION

LEE'S SUMMIT LOGISTICS
BUILDING B

Midwest Distributors
1220 NW Main Street
LEE'S SUMMIT, MO 64086

ISSUE DATES

PERMIT SET 08.29.23

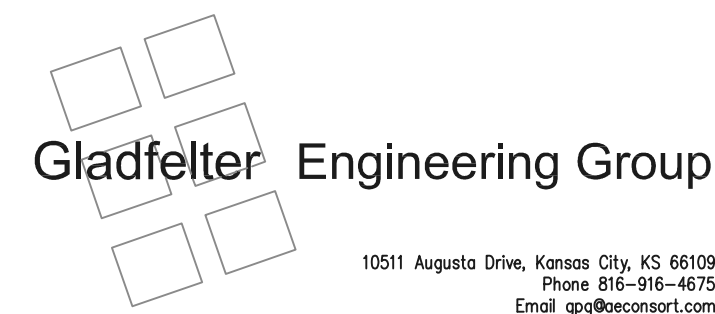
HERITAGE ELECTRIC, L.L.C.
841 N. MARTWAY
Olathe, Kansas
phone (913) 747 0528
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220018
WAREHOUSE LIGHTING
PLAN

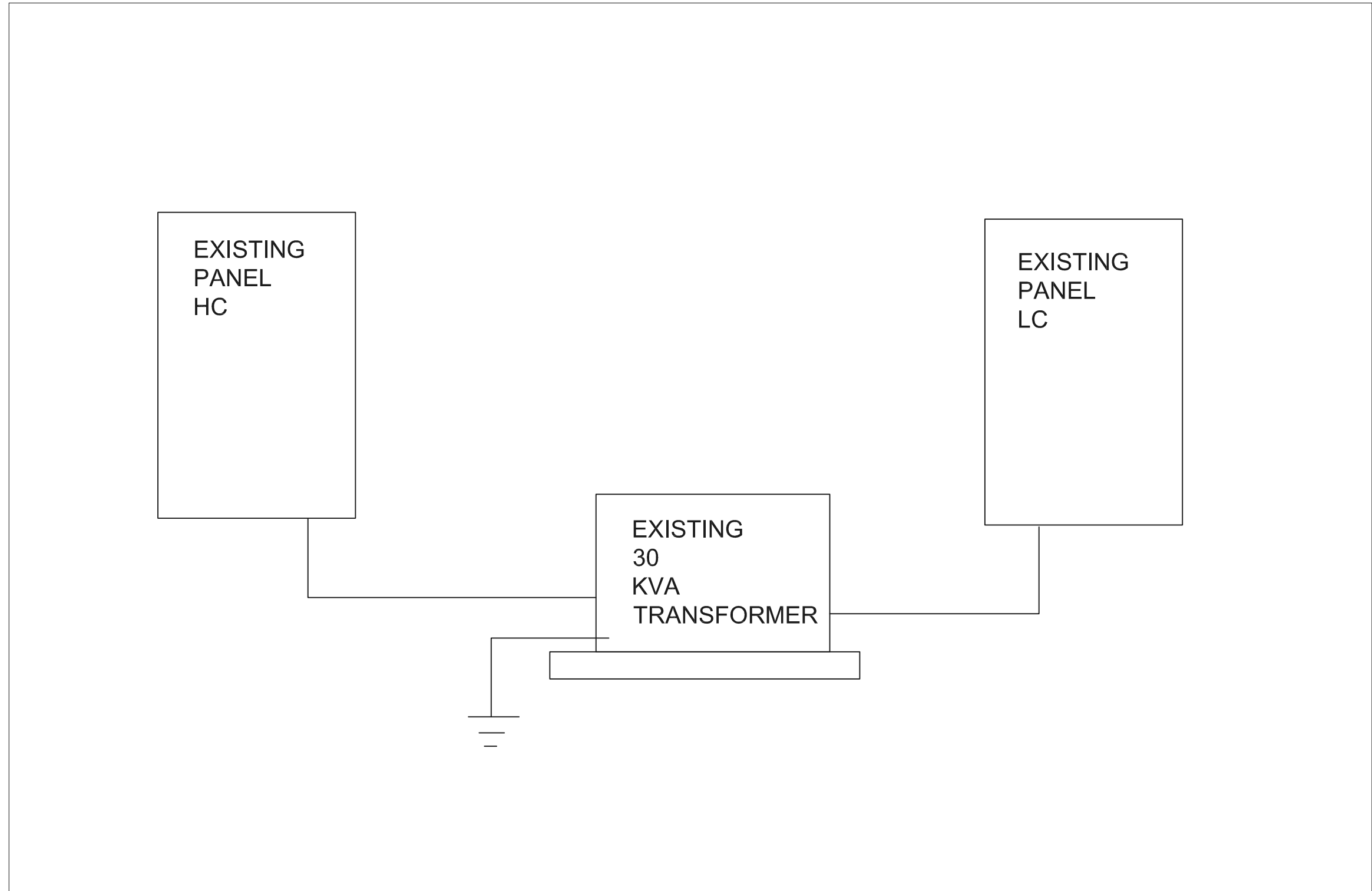
EI.00



10511 Augusta Drive, Kansas City, KS 66109
Phone 816-916-4675
Email ggg@geconsof.com

Gladfelter Engineering Group (GEG) assumes design responsibility for this project for only the mechanical, plumbing and electrical disciplines with drawing sheet number beginning with M, P and E. All other drawings should be considered the work of others. Further, drawings in this project set may contain drawing information, including but not limited to: architectural plans, sections and elevations, site plans and surveys and other information pertinent to showing the mechanical, plumbing and electrical work which is furnished by others, generally indicated by screened or light type. GEG assumes no responsibility or liability for the accuracy or regulatory compliance for work prepared by others even though shown on MPE drawings. GEG assumes responsibility only for the design of mechanical, plumbing and electrical disciplines contained herein, generally indicated in bold type.





1 RISER DIAGRAM
N.T.S

BRANCH CIRCUIT COPPER CONDUCTOR AND CONDUIT SIZING CHART*						
OVERCURRENT PROTECTION DEVICE RATING (AMPS)	REQUIRED CONDUCTOR SIZE	EQUIPMENT GROUNDING CONDUCTOR SIZE	SINGE PHASE 2 WIRE + GND CONDUIT SIZE	SINGLE PHASE 3 WIRE + GND, CONDUIT SIZE	THREE PHASE 3 WIRE + GND CONDUIT SIZE	THREE PHASE 4 WIRE + GND CONDUIT SIZE
15	12 AWG	12 AWG	3/4"	3/4"	3/4"	3/4"
20	12 AWG	12 AWG	3/4"	3/4"	3/4"	3/4"
25	10 AWG	10 AWG	3/4"	3/4"	3/4"	3/4"
30	10 AWG	10 AWG	3/4"	3/4"	3/4"	3/4"
35	8 AWG	10 AWG	3/4"	3/4"	3/4"	3/4"
40	8 AWG	10 AWG	3/4"	3/4"	3/4"	3/4"
45	8 AWG	10 AWG	3/4"	3/4"	3/4"	1"
50	8 AWG	10 AWG	3/4"	3/4"	3/4"	1"
60	6 AWG	10 AWG	1"	1"	1"	1-1/4"
70	4 AWG	8 AWG	1"	1"	1"	1-1/4"
80	4 AWG	8 AWG	1"	1-1/4"	1-1/4"	1-1/4"
90	3 AWG	8 AWG	1"	1-1/4"	1-1/4"	1-1/4"
100	3 AWG	8 AWG	1-1/4"	1-1/2"	1-1/2"	1-1/2"

- NOTES:
- UNLESS OTHERWISE NOTED ON THE DRAWINGS
 - UNLESS OTHERWISE NOTED ON THE DRAWINGS, ALL BRANCH CIRCUITS AND FEEDERS TO BE PROVIDED WITH A NEUTRAL WIRE.
 - ALL SIZING BASED ON 3 CURRENT CARRYING CONDUCTORS IN A RACEWAY OR CABLE CONDUCTORS SHALL BE DERATED IN ACCORDANCE WITH THE NEC IF 4 OR MORE CONDUCTORS ARE PLACED IN A RACEWAY OR CABLE

Scope:
Provide electrical for new TI in existing warehouse
All Electrical work shall be as per NEC 2017.
All work shall be done by qualified electricians.
All branch wiring shall be copper.
Devices shall be 20a commercial grade and color shall be by architect.

- SPECIFICATIONS:
- CONDUIT ABOVE GRADE SHALL BE EMT UNLESS OTHERWISE NOTED
 - CONDUIT BELOW GRADE SHALL BE RIGID PVC UNLESS OTHERWISE NOTED
 - CONNECTIONS SHALL BE MADE USING SET SCREW CONNECTORS
 - MC CABLE IS ACETABLE FOR FINAL CONNECTIONS TO LIGHT FIXTURES PROVIDE WITH 10' WHIP ON ALL HIGHBAYS
 - BRANCH WIRING SHALL BE #12 THHN COPPER UNLESS OTHERWISE NOTED
 - WIRING SHALL BE AS PER CURRENT NEC 2017
 - WIRING DEVICES SHALL BE OF COMMERCIAL GRADE RATED AT 20 AMP
 - INSTALLATION SHALL ADHERE TO ADA STANDARDS
 - ALUMINUM XHHW-#2 CABLE MAY BE USED FOR FEEDERS LARGER THEN #2 OTHERWISE COPPER
 - REFER TO KCP&L STANDARDS MANUAL FOR 480 SERVICES
 - ALL LIGHTING/EQUIPMENT IN WAREHOUSE SHALL BE MOUNTED TO PROVIDE A MIN OF 36' CLEAR HEIGHT

LIGHT FIXTURE SCHEDULE						
TYPE	MANUFACTURER	CATALOG NO.	LAMPS	MOUNTING	VOLTS	REMARKS
D	HE WILLIAMS	GH-2-L300-840-FA-DIM-UN V	LED	CEILING	277	PROVIDE WITH INTEGRAL MOTION SENSOR
DE	HE WILLIAMS	GH-2-L300-840-FA-DIM-UN V	LED	CEILING	277	SAME AS TYPE D ONLY WITH EM BALLAST
EX	COMPASS	CCR	LED	WALL	UNV	EXISTING
ERH	COMPASS	CUWZ-PC	LED	WALL	UNV	EXISTING

PANEL: HC				100A MLO 277/ 480 V, 3PH, 4W+GRND.				NEW PANEL			
CCT	SERVICES	VA	OCF	WIRE	PHASE	WIRE	OCF	VA	SERVICES	CCT	
1	WAREHOUSE LIGHTS	1596	201	2#12, 14120	A	2#12, 14120	201	1596	WAREHOUSE LIGHTS	2	
3	WAREHOUSE LIGHTS	1596	201	2#12, 14120	B	2#12, 14120	503	6025	MAUT	4	
5	WAREHOUSE LIGHTS	1596	201	2#12, 14120	C			6025		6	
7	OVERTHEAD DOOR	200	203	4#10, 14120	A					8	
9		200			B	2#12, 14120	201	1596	WAREHOUSE LIGHTS	10	
11		200			C					12	
13					A					14	
15					B					16	
17					C					18	
19					A					20	
21					B					22	
23					C					24	
25					B					26	
27					B					28	
29					C					30	
31					A					32	
33					B					34	
35					C	3#6, 18100	503	1000	TRANSFORMER	36	
37					B			800	TRANSFORMER	38	
39					B			600	TRANSFORMER	40	
41					C					42	
NOTES: 1 NEMA 1 ENCLOSURE 2 PROVIDE BOLT ON BREAKERS 3											
				LOAD SUMMARY		CONN	NEC	DEM	LOAD BALANCE PER PHASE		
				LIGHTING		7960	1.25	900	PHASE A		11117
				RECEPTACLES		2400	NEC	2400	PHASE B		10917
				SWITCHEN		0	0.65		PHASE C		9721
				LAMP		20775	1	20775	LOWEST PHASE PLUS 10%		19893.1
				NON-CONT		600	1	600	9721		19893.1
				LARGEST MOTOR		0	0.25		REBALANCE LOADS		
				TOTAL VA		31056					
				TOTAL AMPS		36.1					

PANEL: LC				100 MB 120/ 208 V, 3PH, 4W+GRND.				NEW PANEL			
CCT	SERVICES	VA	OCF	WIRE	PHASE	WIRE	OCF	VA	SERVICES	CCT	
1	DOCK POWER	800	201	2#12, 14120	A	2#12, 14120	201	200	BPCT RECEP	2	
3	DOCK POWER	800	201	2#12, 14120	B	2#12, 14120	201		SPARE	4	
5	SPARE		201		C	2#12, 14120	201		SPARE	6	
7	SPARE		201		A	2#12, 14120	201		SPARE	8	
9	SPARE		201		B	2#12, 14120	201		SPARE	10	
11	SPARE		201		C	2#12, 14120	201		SPARE	12	
13	SPARE				A				SPARE	14	
15	SPARE				B	-			SPARE	16	
17	SPARE				C	-			SPARE	18	
19	SPARE				A	-			SPARE	20	
21	SPARE				B	-			SPARE	22	
23	SPARE				C	-			SPARE	24	
25	SPARE				A	--			SPARE	26	
27	SPARE				B	--			SPARE	28	
29	SPARE				C	--			SPARE	30	
31	SPARE				A	-			SPARE	32	
33	SPARE				B	--			SPARE	34	
35	SPARE				C	--			SPARE	36	
37	SPARE				A	-			SPARE	38	
39	SPARE				B	--			SPARE	40	
41	SPARE				C	--			SPARE	42	
NOTES: 1 NEMA 1 ENCLOSURE 2 PROVIDE BOLT ON BREAKERS 3											
				LOAD SUMMARY		CONN	NEC	DEM	LOAD BALANCE PER PHASE		
				LIGHTING		0	1.25		PHASE A		800
				RECEPTACLES		1800	NEC	1800	PHASE B		800
				SWITCHEN		0	0.65		PHASE C		0
				LAMP		0	1		LOWEST PHASE PLUS 10%		0
				NON-CONT		0					
				LARGEST MOTOR		0	0.25		REBALANCE LOADS		
				TOTAL VA		1800					
				TOTAL AMPS		6.5					



COMcheck Software Version 4.1.5.5
Interior Lighting Compliance Certificate

Project Information

Energy Code: 90.1 (2016) Standard
Project Title: Midwest Distributors
Project Type: New Construction

Construction Site: 1220 NW Main Street
Lee's Summit, MO 64086

Owner/Agent:

Designer/Contractor:
Jeremy Hansen
Heritage Electric
841 N. Martway Driv
Olathe, KS 66061
913-747-0528
jhansen@heritage-electric.com

Allowed Interior Lighting Power

A Area Category	B Floor Area (ft2)	C Allowed Watts / ft2	D Allowed Watts (B X C)
1-Warehouse-Medium Bulky/Pallet Material Storage	34200	0.35	11970
		Total Allowed Watts = 11970	

Proposed Interior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
1-Warehouse-Medium Bulky/Pallet Material Storage LED 1: Other:	1	40	228	9120
		Total Proposed Watts = 9120		

Interior Lighting PASSES: Design 24% better than code

Interior Lighting Compliance Statement

Compliance Statement: The proposed interior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 90.1 (2016) Standard requirements in COMcheck Version 4.1.5.5 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Signature: Jeremy Hansen
Name - Title: V.P.
Signature: [Signature]
Date: 03/12/2025

Project Title: Midwest Distributors
Data filename: Untitled.cck

Report date: 03/12/25
Page 1 of 5

ELECTRICAL GENERAL NOTES

- WORK INCLUDED. FURNISH ALL LABOR, MATERIAL, SERVICES AND SKILLED SUPERVISION NECESSARY FOR THE CONSTRUCTION, ERECTION, INSTALLATION CONNECTIONS, TESTING AND ADJUSTMENTS OF ALL CIRCUITS AND ELECTRICAL EQUIPMENT SPECIFIED HEREIN, OR NOTED ON THE DRAWINGS, AND ITS DELIVERY TO THE OWNER COMPLETE IN ALL RESPECTS READY FOR USE.
- CONTRACT DRAWINGS THE CONTRACT DRAWINGS ARE SHOWN IN PART DIAGRAMMATIC, INTENDED TO CONVEY THE SCOPE OF WORK, INDICATING THE GENERAL ARRANGEMENT OF EQUIPMENT, CONDUIT AND OUTLETS. VERIFY SPACES FOR THE INSTALLATION OF THE MATERIALS BASED ON ACTUAL DIMENSIONS OF EQUIPMENT FURNISHED. IF A QUESTION EXISTS AS TO THE EXACT INTENDED LOCATION OF OUTLETS OR EQUIPMENT, OBTAIN INSTRUCTIONS FROM THE ARCHITECT/ENGINEER BEFORE PROCEEDING WITH WORK.
- MINIMUM SIZE OF CONDUIT SHALL BE 1/2" UNLESS NOTED OTHERWISE.
- ALL WIRING FOR LIGHTING, RECEPTACLE AND POWER CIRCUITS WHERE NOT SHOWN ON DRAWINGS SHALL BE WITH #12 CONDUCTORS, NUMBER AS REQUIRED IN CONDUIT SIZED PER N.E.C. PROVIDE EQUIPMENT GROUNDING CONDUCTOR FOR ALL BRANCH CIRCUITS AND FEEDERS. HOMERUNS TO PANEL SHALL BE IN INDIVIDUAL CONDUITS, UNLESS NOTED OTHERWISE, WITH CIRCUITS AS SHOWN.
- THE USE OF TYPE 'MC' AND TYPE 'AC' CABLE IS PERMITTED IN ALL AREAS PER NEC AND LOCAL CODE REQUIREMENTS.
- THE USE OF ALUMINUM CONDUCTORS WITH AMPACITY EQUIVALENT TO COPPER IS PERMITTED IN ALL AREAS PER NEC REQUIREMENTS.
- ALL JUNCTION BOXES, PULL BOXES, AND PANELBOARDS SHALL BE RIGIDLY ATTACHED TO STRUCTURE.
- COORDINATE ALL WORK WITH OTHER TRADES AND EXISTING CONDITIONS AS REQUIRED TO PROPERLY INSTALL ALL SYSTEMS AS INTENDED, WITHIN THE CONFINES OF THE SPACE AVAILABLE, AND WITHOUT INTERFERENCES.
- ALL CONDUIT, BOXES, ETC. SHALL BE CONCEALED OR MOUNTED FLUSH WITH CEILING OR WALL CONSTRUCTION, CONDUITS SHALL BE MOUNTED AS HIGH AS POSSIBLE. NO SURFACE MOUNTED CONDUIT, BOXES, ETC. WILL BE PERMITTED WITHOUT PERMISSION OF THE ENGINEER PRIOR TO INSTALLATION. ALL CONDUIT PENETRATIONS SHALL BE FIRE-CAULKED AS REQUIRED.



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PROJECT INFORMATION

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BUILDING B

Midwest Distributors
1220 NW Main Street
LEE'S SUMMIT, MO 64086

ISSUE DATES

PERMIT SET 08.29.23

HERITAGE ELECTRIC, L.L.C.

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220018

RISER DIAGRAM

E2.00