



	The following calculations are based on th	ne "Point-b	y-Point"	method wh	iere:												
	$ISC_{(2)} = ISC_{(1)} \times M_{(1)}$		M= 1/(1·	+f)		Feed	ler: f _(3Ø) = <u>1.73</u> 2	2 x L x lsc		XFMR:	f _(3Ø) =	IP(sca)x	Vp x 1.73 x %	δZ	IS _(sca) =	· <u>VpxMxIP_{(sci}</u>).
	ISC $_{(1)}$ = short circuit current at fault point 1						CxE					100,000		_	~ /	Vs	-
	ISC $_{(2)}$ = short circuit current at fault point 2	!				Feed	ler: f _(1Ø) = <u>2 x L</u> C x E			XFMR:	f _(1Ø) =	<u>IP(sca)x</u> 100,000					
	E = Line to line volts																
	IP = Primary short circuit current																
	Vp = Primary voltage																
	IS= Secondary short circuit current																
	Vs= Secondary voltage																
	L = Length of circuit																
	C = "C" Factor from Bussman table Feeder Types: NM - Non Magnetic Conduit			• •			lug-in Busway, TX -	Transformer									
Fault		t, M - Magr	netic Con	iduit, FB - F			<u> </u>				1.4	Circuit	Load		I	Conductor	
	Feeder Types: NM - Non Magnetic Conduit System Voltage: 480Y/277V - 3 phase	t, M - Magr	netic Con	oduit, FB - F	eeder Busv	vay, PB - P	Feeder	Sets and C	Conductor	Busway	L-L Voltage	Circuit Lenath	Load Power	Circuit Load	Resistance	Conductor Reactance	Arccos (pf)
	Feeder Types: NM - Non Magnetic Conduit	t, M - Magr	netic Con	iduit, FB - F			<u> </u>	el Sets and	Conductor 'C' Value	Busway 'C' Value	L-L Voltage (E)	Circuit Length (L)	Load Power Factor (pf)	Circuit Load (Amperage)	Resistance (R)	Conductor Reactance (X)	Arccos (pf) (Radians)
Fault Point (F#)	Feeder Types: NM - Non Magnetic Conduit System Voltage: 480Y/277V - 3 phase	t, M - Magr Source (Fault	netic Con	Source Isc (amps)	eeder Busv Conduit Type/ TX	vay, PB - P Material	Feeder Quantity of Paralle	el Sets and vutral Size		-	Voltage	Length	Power	Circuit Load (Amperage)	Resistance (R)	Reactance	
Point	Feeder Types: NM - Non Magnetic Conduit System Voltage: 480Y/277V - 3 phase Bus/Feeder Description	t, M - Magr Source (Fault	netic Con	Source Isc (amps)	Conduit Type/ TX	way, PB - P Material ondary of th	Feeder Quantity of Paralle Bus/ Phase & Ne	el Sets and utral Size	'C' Value	'C' Value	Voltage	Length	Power	Circuit Load (Amperage)	Resistance (R)	Reactance	
Point	Feeder Types: NM - Non Magnetic Conduit System Voltage: 480Y/277V - 3 phase Bus/Feeder Description Utility Service Point	t, M - Magr Source (Fault	netic Con	Source Isc (amps)	Conduit Type/ TX	way, PB - P Material ondary of th	Feeder Quantity of Paralle Bus/ Phase & Ne re utility transformer	el Sets and utral Size	'C' Value	'C' Value	Voltage	Length	Power	Circuit Load (Amperage) 358	Resistance (R)	Reactance	
Point	Feeder Types: NM - Non Magnetic Conduit System Voltage: 480Y/277V - 3 phase Bus/Feeder Description Utility Service Point Motor Contribution	t, M - Magr Source (Fault	Phase	Source Isc (amps) 50,000	Conduit Type/ TX The conne	Material	Feeder Quantity of Paralle Bus/ Phase & Ne le utility transformer ad motor amps (inc	el Sets and eutral Size	'C' Value ssors) on t	'C' Value	Voltage (E)	Length (L)	Power Factor (pf)		(R)	Reactance (X)	(Radians)
Point (F#) 1 2	Feeder Types: NM - Non Magnetic Conduit System Voltage: 480Y/277V - 3 phase Bus/Feeder Description Utility Service Point Motor Contribution 400A NON-FUSED DISCONNECT	t, M - Magr Source (Fault Point)	Phase	Source Isc (amps) 50,000	Conduit Type/ TX at the seco The conne M	Material Material ondary of th ccted full loc	Feeder Quantity of Paralle Bus/ Phase & Ne the utility transformer ad motor amps (inc 2 Set(s) of 350	el Sets and eutral Size	'C' Value essors) on t 15484	'C' Value	Voltage (E) 480	Length (L) 40	Power Factor (pf)	358	(R) 0.000063	Reactance (X) 0.000050	(Radians) 0.451027
Point (F#) 1 2 3	Feeder Types: NM - Non Magnetic Conduit System Voltage: 480Y/277V - 3 phase Bus/Feeder Description Utility Service Point Motor Contribution 400A NON-FUSED DISCONNECT 400A FUSED DISCONNECT	t, M - Magr Source (Fault Point) 1 2	Phase 3 3	Source Isc (amps) 50,000 40,550	Conduit Type/ TX at the secc The conne M M	Material Material ondary of th octed full loc AL CU	Feeder Quantity of Paralle Bus/ Phase & Ne te utility transformer ad motor amps (inc 2 Set(s) of 350 1 Set(s) of 500	el Sets and eutral Size cludes compres kcmil kcmil	'C' Value essors) on t 15484 22185	'C' Value ne system 	Voltage (E) 480 480	Length (L) 40 10	Power Factor (pf)	358 358	(R) 0.000063 0.000029	Reactance (X) 0.000050 0.000048	(Radians) 0.451027 0.451027
Point (F#) 1 2 3 4	Feeder Types: NM - Non Magnetic Conduit System Voltage: 480Y/277V - 3 phase Bus/Feeder Description Utility Service Point Motor Contribution 400A NON-FUSED DISCONNECT 400A FUSED DISCONNECT W1	t, M - Magr Source (Fault Point) 1 2 3	Phase	Source Isc (amps) 50,000 40,550 38,041	Conduit Type/ TX at the secc The conne M M M	Material Material ondary of th cted full loc AL CU AL	Feeder Quantity of Paralle Bus/ Phase & Ne the utility transformer ad motor amps (inc 2 Set(s) of 350 1 Set(s) of 500 1 Set(s) of 350	el Sets and eutral Size	'C' Value essors) on t 15484 22185 15484	'C' Value ne system 	Voltage (E) 480 480 480	Length (L) 40 10	Power Factor (pf)	358 358 199	(R) 0.000063 0.000029 0.000063	Reactance (X) 0.000050 0.000048 0.000050	(Radians) 0.451027 0.451027 0.451027
Point (F#) 1 2 3 4 5	Feeder Types: NM - Non Magnetic Conduit System Voltage: 480Y/277V - 3 phase Bus/Feeder Description Utility Service Point Motor Contribution 400A NON-FUSED DISCONNECT 400A FUSED DISCONNECT W/1 W2	t, M - Magr Source (Fault Point) 1 2 3 3 3	Phase	Source Isc (amps) 50,000 40,550 38,041 38,041	Conduit Type/ TX at the secc The conne M M M M	Material modary of th cted full loc AL CU AL AL AL	Feeder Quantity of Paralle Bus/ Phase & Ne the utility transformer ad motor amps (inc 2 Set(s) of 350 1 Set(s) of 500 1 Set(s) of 350 1 Set(s) of 350 1 Set(s) of 350	el Sets and eutral Size cludes compres kcmil kcmil kcmil kcmil	'C' Value sssors) on t 15484 22185 15484 15484	'C' Value	Voltage (E) 480 480 480 480	Length (L) 40 10 10 15	Power Factor (pf) 0.9 0.9 0.9 0.9	358 358 199 155	(R) 0.000063 0.000029 0.000063 0.000063	Reactance (X) 0.000050 0.000048 0.000050 0.000050	(Radians) 0.451027 0.451027 0.451027 0.451027

Short-Circuit and Voltage Drop Calculations

NOTE:

UTILITY TRANSFORMER: 1000KVA, SECONDARY 480Y/277V, MIN Z=5.75%, PAD MOUNT AVAILABLE FAULT CURRENT AT SECONDARY IS: 50,000 UTILITY COMPANY: EVERGY UTILITY CONTACT: JENNY CASEY, (816) 347-4334, CONTACTED ON 01/26/20 FAULT CURRENT SOURCE: UTILITY CONTACT

UTILITY PRIMARY UTILITY TRANSFORMER 480Y/277V, 3P, 4W SEC \sim 400A 3P 1 UTILITY METER M 400A 3P 400AF 25KVA 2 480V PRIM 240/120V SEC PRESS BOX 100A DISCONNECT 3P 100AF 2 3R 3

ONELINE DIAGRAM GENERAL NOTES:

- 1. REFER TO SHEETS E0-0 FOR ADDITIONAL GENERAL NOTES.
- 2. CIRCUIT BREAKERS DENOTED WITH 'AFM' SHALL BE ADJUSTABLE TRIP TYPE BREAKER COMPATIBLE WITH ARC FLASH MITIGATION SYSTEM. INCLUDE SYSTEM INFORMATION AND DEVICE SETTINGS IN OPERATIONS AND MAINTENANCE MANUAL UPON COMPLETION OF PROJECT.
- 3. F## INDICATES FAULT POINT. REFER TO SHORT CIRCUIT TABLE ON E301 FOR AVAILABLE FAULT CURRENT AND CUMULATIVE VOLTAGE DROP AT FAULT POINTS.
- 4. ALL EQUIPMENT IS NEMA 3R, U.N.O.
- 5. ELECTRICAL CONTRACTOR SHALL PROVIDE ALL MOUNTING ACCESSORIES AS REQUIRED FOR PROPER INSTALLATION AND SHALL FIELD COORDINATE SERVICE ENTRANCE LOCATION WITH UTILITY COMPANY.

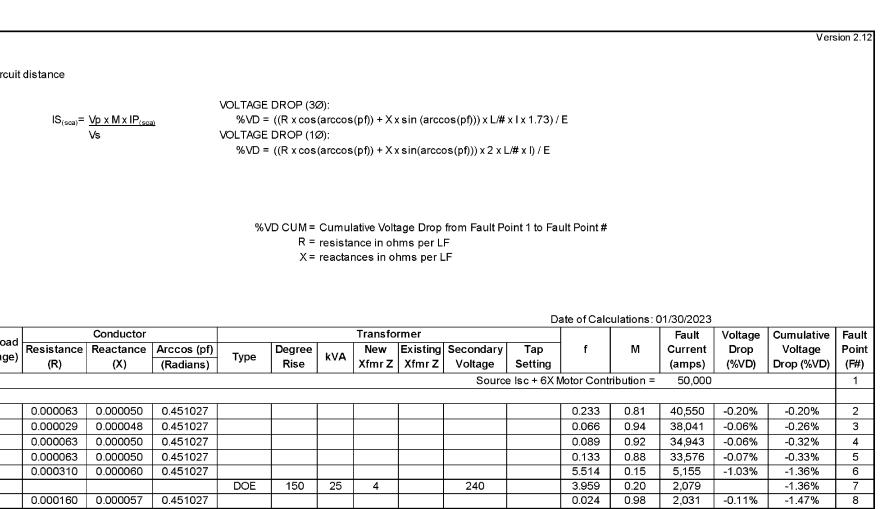
ONELINE DIAGRAM KEYED NOTES:

- 1 PARAGON ELECTRICAL SERVICE #2. PROVIDE PERMANENT WEATHER PROOF LABEL WITH "ELECTRICAL SERVICE #2". ELECTRICAL CONTRACTOR SHALL PROVIDE SAME LABEL ON MSB WITH LABEL "ELECTRICAL SERVICE #1". REFER TO SHEET E300.
- 2 ELECTRICAL CONTRACTOR SHALL FIELD VERIFY TRANSFORMER AND PRESS BOX DISCONNECT LOCATION AND PROVIDE ALL MOUNTING ACCESSORIES, OR CONCRETE PAD, AS REQUIRED FOR PROPER INSTALLATION.
- 3 ELECTRICAL CONTRACTOR SHALL PROVIDE SINGLE POINT ELECTRICAL CONNECTION TO PRESS BOX PER MANUFACTURER REQUIREMENTS.

FEEDER SCHEDULE:

SIZES ARE BASED ON COPPER (CU) THHN/THWN-2 INSULATION, UNO. NUMBER DESIGNATIONS PRECEDED BY "A" INDICATE THAT THE SIZE IS BASED ON ALUMINUM (AL) WIRE. AL CONDUCTOR SIZES ARE BASED ON XHHW-2 INSULATION, UNO. ALL CONDUCTOR SIZES ARE BASED ON 75 DEG C RATED TERMINATIONS, UNO. CONDUIT SIZES SHOWN ARE APPROPRIATE FOR SCHEDULE 40 PVC, EMT, GRS, IMC AND RMC; ADJUST SIZE AS NEEDED FOR OTHER RACEWAY TYPES. FOR ANY OTHER CONDITIONS MODIFY SIZES PER CODE. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.

- A204 200A, (4)-350kcmil, (1)#2G, 2-1/2" C
- AS404 400A, (1) 4" C, 2-SETS OF (4)-350kcmil
- 72 70A, (2)#4, (1)#8 G, 1-1/2" C
- T123 125A, (3)#1, (1)#6 SSBJ, 1-1/4" C
- 404 400A, (4)-500kcmil, (1)#1G, 4" C
- G6 GND, #6 COPPER GROUND, 3/4" C
- G10 GND, #1/0 COPPER GROUND, 3/4" C



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DOE

MAIN VOL	NELBOARD: W1 (NEW 3 AMPS: 250A N SIZE/TYPE: MLO TS/PHASE: 480Y/277V, 3PH, 4W		AIC R MOUI SER\	ROM: ATING NTING ÆS: ATION:	9: 6:	ELECTRICAL SERVICE #2 FCA +10% MINIMUM; FULLY RATED SURFACE WEST ENTRANCE WEST ENTRANCE					D	LINE-SIDE LUGS: MECHANICAL EQUIPMENT GROUND BUS			
SECTION: 1 CKT DESCRIPTION VOLTAMPS/PHASE									BKR		VOLTAMPS/PHASE			DESCRIPTION	СКТ
NO.		A	В	C	NO.	AMP		Г	AMP		A	B	C	DESCRIPTION	NO.
1		6,197						1						EQUIPPED SPACE	2
3	POLE P1 (FIELD 1)		6,197		8	40	3	1						EQUIPPED SPACE	4
5	1			6,197				1						EQUIPPED SPACE	6
7		6,197						1						EQUIPPED SPACE	8
9	POLE P2 (FIELD 1)		6,197		8	40	3	1						EQUIPPED SPACE	10
11	1			6,197	İ			1						EQUIPPED SPACE	12
13		6,197						1						EQUIPPED SPACE	14
15	POLE P3 (FIELD 1)		6,197		4	40	3	1						EQUIPPED SPACE	16
17	WESTLTS			6,197				1						EQUIPPED SPACE	18
19		5,602						1						EQUIPPED SPACE	20
21	POLE P3 (FIELD 2)		5,602		6	30	3	1						EQUIPPED SPACE	22
23	EASTLTS			5,602				1						EQUIPPED SPACE	24
25		6,197						1						EQUIPPED SPACE	26
27	POLE P4 (FIELD 1)		6,197		6	40	3	1						EQUIPPED SPACE	28
29	WESTLTS			6,197				1						EQUIPPED SPACE	30
31		5,602						1						EQUIPPED SPACE	32
33	POLE P4 (FIELD 2)		5,602		6	30	3	1						EQUIPPED SPACE	34
35	EASTLTS			5,602				1						EQUIPPED SPACE	36
37		14,400						1						EQUIPPED SPACE	38
39	FIELD 1 - LARGE DISPLAY		14,400		1	125	3	1						EQUIPPED SPACE	40
41	1			1,424	1			1						EQUIPPED SPACE	42
	SUBTOTAL	50,392	50,392	37,416										SUBTOTAL	
	TOTAL PHASE A - VA 50,392 LOAD CONN. V					DF		LO	٩D			CONN. VA	DF		
	AMPS 182	COOLING	[C]			1.00		REF	RIG	[F]			1.00	1	
	TOTAL PHASE B - VA 50,392	HEATING	[H]			0		SIG	NAGE	[S]			1.25	-	
	AMPS 182	LIGHTING		107,976		1.25		КП	CHEN	[K]			1.00		
	TOTAL PHASE C - VA 37,416	RECEPTA	CLES [R]			1.0/.5		-		[E]			1.00	1	
	AMPS 135	MOTORS	[M]			1.00		LRC	G MOTO					TOTAL DEMAND	
	TOTAL PNLBD - VA 138,200	SUPP HEA				1.00	1	SHO	JW WN	ID [W]			1.25		
	AMPS 166	MISC EQU		30,224		1.00		LTO	TRAC	ĸ			1.00	19	99 A

BUS MAIN VOL	NELBOARD: W2 (NEW AMPS: 250A I SIZE/TYPE: MLO TS/PHASE: 480Y/277V, 3PH, 4W TION: 1		FED FROM: AIC RATING MOUNTING SERVES: LOCATION			FC, SU WE		% MIN E NTRAN	ICE	2 ILLY RATE	ED	LINE-SIDE LUGS: MECHANIC, EQUIPMENT GROUND BU				
СКТ	DESCRIPTION	VOL	WIRE	BKR	Ρ	Р	BKR	WIRE	VOLTAMPS/PHASE			DESCRIPTION	СКТ			
NO.		Α	В	С	NO.	AMP			AMP	NO.	А	В	С		NO.	
1		4,562						2	20	10	1,300			PARKING LOT LTG - NW	2	
3	POLE P11 (FIELD 5)		4,562		10	30	3					1,300			4	
5				4,562				2	20	10			1,400	PARKING LOT LTG - W	6	
7		4,562									1,400				8	
9	POLE P12 (FIELD 5)		4,562		8	30	3	2	70	4		9,600		PRESS BOX	10	
11				4,562									9,600	(TO 25KVA 120/240 XFMR)	12	
13		4,562						2						EQUIPPED SPACE	14	
	POLE P13 (FIELD 5)		4,562		6	30	3								16	
	WESTLTS			4,562				1						EQUIPPED SPACE	18	
19		4,562						1						EQUIPPED SPACE	20	
	POLE P13 (FIELD 6)		4,562		6	30	3	1						EQUIPPED SPACE	22	
	EASTLTS			4,562				1						EQUIPPED SPACE	24	
25		4,562						1						EQUIPPED SPACE	26	
	POLE P14 (FIELD 5)		4,562		6	30	3	1						EQUIPPED SPACE	28	
29	WESTLTS			4,562				1						EQUIPPED SPACE	30	
31		4,562						1						EQUIPPED SPACE	32	
33	POLE P14 (FIELD 6)		4,562		6	30	3	1						EQUIPPED SPACE	34	
	EASTLTS			4,562				1						EQUIPPED SPACE	36	
	POLE SIGNS ACCESSORY	800			10	20	1	1						EQUIPPED SPACE	38	
	MONUMENT SIGN - NW		1,200		10	20	1	1						EQUIPPED SPACE	40	
41	MONUMENT SIGN - W			1,200	10	20	1	1						EQUIPPED SPACE	42	
	SUBTOTAL	28,172	28,572	28,572							2,700	10,900	11,000	SUBTOTAL		
	TOTAL PHASE A - VA 30,872	LOAD		CONN. VA	١	DF		LO	٩D		(CONN. VA	DF			
	AMPS 111	COOLING	[C]			1.00		REF	RIG	[F]			1.00	1		
	TOTAL PHASE B - VA 39,472				0			SIG	NAGE	[S]	2,400		1.25			
	AMPS 142					1.25		KΠ	CHEN	[K]			1.00			
	TOTAL PHASE C - VA 39,572					1.0/.5		EXISTING [E]					1.00			
	AMPS 143	· · · · · · · · · · · · · · · · · · ·				1.00		LRC	G MOTO	DR			1.25	TOTAL DEMAND	٦	
	TOTAL PNLBD - VA 109,916	SUPP HEA	T [U]			1.00		SHOW WND [W]					1.25	132,595 VA		
				19,200		1.00		LTG TRACK					1.00	159	A	

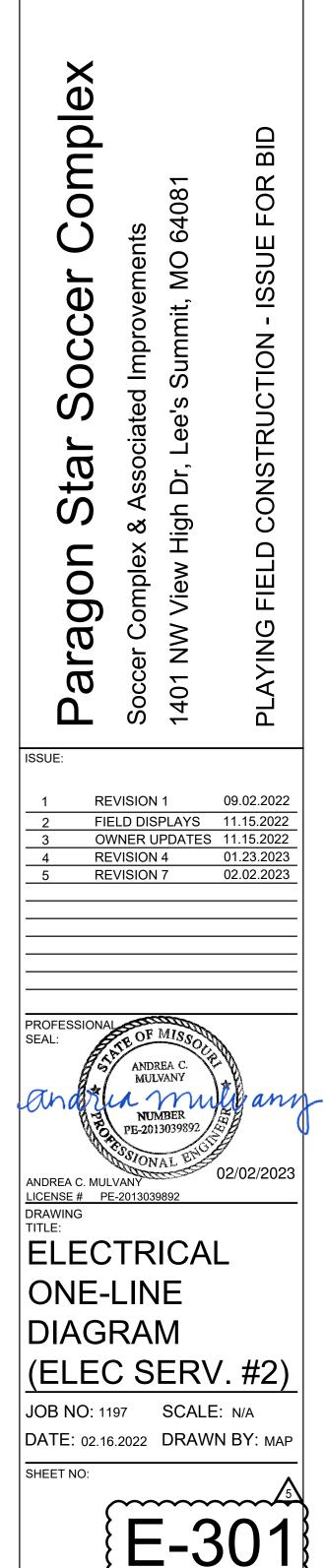
ELECTRICAL SERVICE 2 ELECTRICAL SERVICE LOAD SUMMARY SERVICE OCCUPANCY TYPE: SERVICE DESCRIPTION: в SERVICE SQUARE FOOTAGE: 480Y/277V, 3PH LOAD DESCRIPTION Connected Demand Demand KVA FACTOR KVA HVAC - SUMMER 0.00 100% 0.0 HVAC - WINTER 0.00 0% LIGHTING 0.00 125% 0.00 RECEPTACLES 0.00 100%;50% 0.00 SUPPLEMENTAL ELECTRIC HEAT 0.00 100% MISCELLANEOUS EQUIPMENT 49.42 100% 49.42 SIGNAGE 2.40 125% 3.0 EXTERIOR LIGHTING 196.29 125% 245.3 TOTAL LOAD 248.12 KVA 297.1 298.44 AMPS TOTAL AMPACITY 358.1 400 AMPS 400.00 SERVICE AMPACITY SPARE CAPACITY AMPS

> HENDERSON ENGINEERS 1801 MAIN STREET, SUITE 300 KANSAS CITY, MO 64108 TEL 816.663.8700 FAX 816.663.8701 WWW.HENDERSONENGINEERS.COM 1850004412 MO. CORPORATE NUMBER: E-556D 12/31/23

velopment Services Depar Lee's Summit, Missour CIVIL ENGINEERING 02/03/2023 GRA 9801 Renner Boulevard Lenexa, KS 66219 913.492.0400 www.gbateam.com MO Certificate of Authority # 000133 LANDSCAPE ARCHITECTURE LAND3 Studio, LLC 317 SE Main Lee's Summit, MO 64063 www.land3studio.com MO Certificate of Authority # 2008001860 LANDSCAPE ARCHITECTURE Hoerr Schaudt Landscape Architects 2100 Central Street, Suite 01C Kansas City, MO 64108 816.510.0438 www.hoerrschaudt.com MO Certificate of Authority #2019004088 MEP ENGINEERING HENDERSON ENGINEERS, Inc. 8345 Lenexa Drive Lenexa, KS 66214 913.742.5000 www.hei-eng.com Missouri Certificate of Authority # 000556 ARCHITECTURE FINKLE + WILLIAMS Architecture 8787 Renner Boulevard, Suite 100 Lenexa, KS 66219 913.498.1550 www.finklewilliams.com Missouri Certificate of Authority #F00453304

RELEASED FOR CONSTRUCTION As Noted on Plans Review

PROJECT:



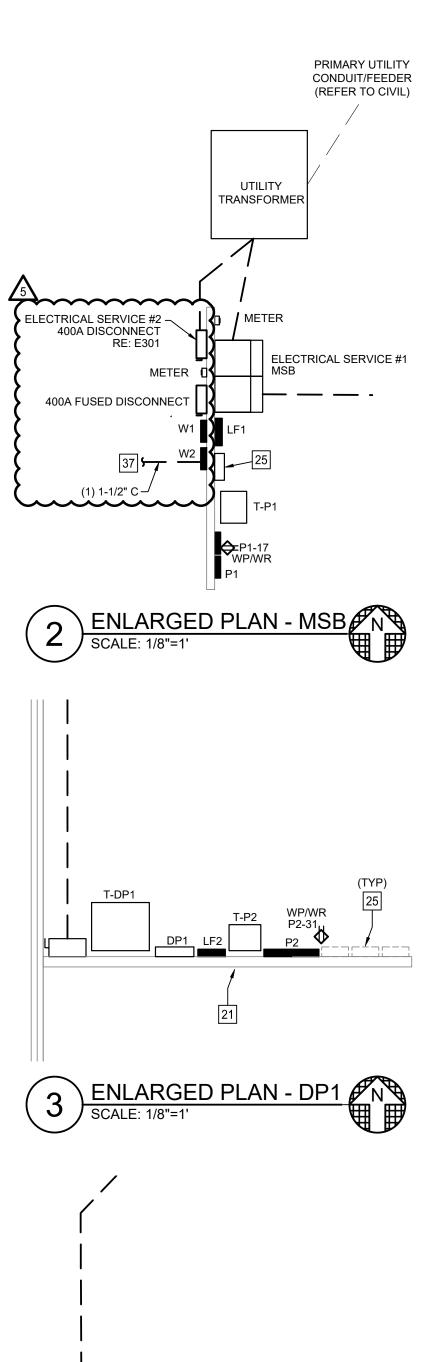
KEYNOTES:

- PROVIDE INDICATED QUANTITY AND SIZE OF JNDERGROUND CONDUITS FOR TELECOM/DATA/SECURITY CABLING. PROVIDE PULL STRING IN ALL CONDUITS. ENSURE MAXIMUM SEPARATION BETWEEN PULL BOXES DOES NOT EXCEED
- PROVIDE INDICATED QUANTITY AND SIZE OF JNDERGROUND CONDUITS WITH PULL STRINGS FROM NEAREST PULL BOX ROUTED TO INDICATED LOCATION FOR FUTURE USE. CAP AND STAKE BELOW GRADE.
- 3 EXTEND EXISTING PARKING LOT LIGHTING CIRCUIT FROM PREVIOUS PHASE TO INDICATED PANEL. FIELD VERIFY EXACT LOCATION. PARKING LOT LIGHTING CIRCUITS SHALL BE RAN THROUGH LIGHTING RELAY PANEL WITH PHOTOCELL ON AND DIGITAL TIMER OFF CONTROL.
- 4 PARKING LOT POLES, CONDUIT, AND CIRCUITING BETWEEN POLES INSTALLED IN PREVIOUS PHASE. TYPICAL.
- INSTALL A MINIMUM 41" DEPTH FROM FINAL GRADE TO TOP OF CONDUIT WITH BURIED ELECTRIC LINE PLASTIC CAUTION TAPE AT A DEPTH OF 12" PER UTILITY STANDARDS.
- 6 PROVIDE INDICATED QUANTITY AND SIZE OF CONDUITS 13 SPORTS LIGHTING CIRCUIT (TYPICAL). WITH PULL STRINGS FROM INDICATED PULL BOX LOCATION TO ADJACENT SPORTS LIGHTING POLE FOR TELECOM/DATA/AV.
- 7 PROPOSED TELECOM DEMARC LOCATION.

- TELECOM ENTRANCE CONDUITS. PROVIDE (2) 4" CONDUITS WITH PULL STRINGS TO DEMARC LOCATION. CONFIRM ENTRANCE LOCATION INTO SITE. ENSURE MAXIMUM DISTANCE BETWEEN PULL BOXES DOES NOT EXCEED 175'.
- 9 PROPOSED ROUTING FOR UNDERGROUND FEEDER FROM MSB TO REMOTE DISTRIBUTION PANEL. REFER TO E-300 FOR FEEDER SIZES TO DP1 AND LF3 UNDER BASE BID AND ALTERNATE 1. PROVIDE INTERMEDIATE PULL BOXES ALONG LENGTH AS REQUIRED, LOCATE NEAR LOW VOLTAGE PULL BOXES.
- PROPOSED LOCATION FOR PAD MOUNT UTILITY TRANSFORMER. SEE 4/E600 FOR ADDITIONAL INFORMATION.
- FUTURE ART DISPLAY LOCATION. CONTRACTOR SHALL FIELD VERIFY EXACT LOCATION FOR POWER JUNCTION 20 SEE 4/E100 FOR ENLARGED PLAN OF THIS AREA. BOXES.
- PROVIDE INGRADE "OUTDOOR GROUND BOX" TYPE 4X WITH (2) 5-20R DUPLEX RECEPTACLES (BY LEGRAND WIREMOLD OR APPROVED EQUIVALENT) AT BOTH LOCATIONS. FIELD VERIFY EXACT LOCATIONS OF BOXES 22 (ONE BETWEEN FIELD AND OTHER NEAR FIELD CURB. RE: 5/E-100.
- 14 POLE ACCESSORY CIRCUIT (TYPICAL).
- 15 POLE RECEPTACLE CIRCUIT (TYPICAL). WHERE INDICATED IN PARENTHESES, PROVIDE WIRING UP TO PANEL LOCATION. PANEL WILL BE INSTALLED IN FUTURE PHASE.

16 CONDUITS SHALL BE ROUTED PARALLEL TO LOW POSSIBLE. TYPICAL FOR ALL CONDUITS FOR LINE VOLTAGE CIRCUITS. RE: 6/E600 FOR SCOPE RESPONSIBILITY

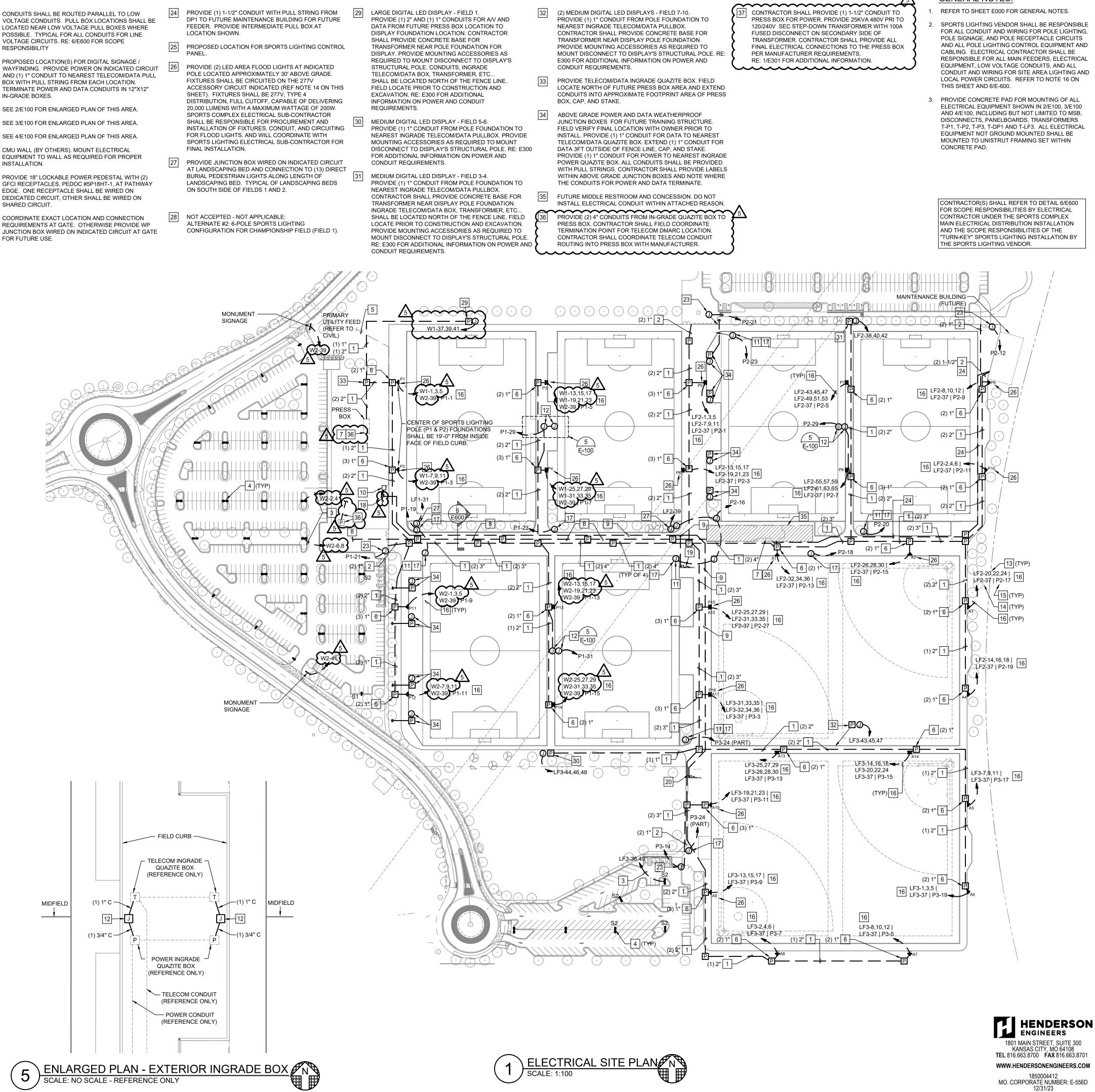
- PROPOSED LOCATION(S) FOR DIGITAL SIGNAGE / BOX WITH PULL STRING FROM EACH LOCATION. TERMINATE POWER AND DATA CONDUITS IN 12"X12" IN-GRADE BOXES.
- 18 SEE 2/E100 FOR ENLARGED PLAN OF THIS AREA.
- 19 SEE 3/E100 FOR ENLARGED PLAN OF THIS AREA.
- 21 CMU WALL (BY OTHERS). MOUNT ELECTRICAL EQUIPMENT TO WALL AS REQUIRED FOR PROPER INSTALLATION.
- PROVIDE 18" LOCKABLE POWER PEDESTAL WITH (2) EDGE. ONE RECEPTACLE SHALL BE WIRED ON DEDICATED CIRCUIT, OTHER SHALL BE WIRED ON SHARED CIRCUIT.
- COORDINATE EXACT LOCATION AND CONNECTION FOR FUTURE USE.



P3-23

) ENLARGED PLAN - LF3 SCALE: 1/8"=1'

4





GENERAL NOTES:

- SPORTS LIGHTING VENDOR SHALL BE RESPONSIBLE FOR ALL CONDUIT AND WIRING FOR POLE LIGHTING, POLE SIGNAGE, AND POLE RECEPTACLE CIRCUITS AND ALL POLE LIGHTING CONTROL EQUIPMENT AND CABLING. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MAIN FEEDERS, ELECTRICAL EQUIPMENT, LOW VOLTAGE CONDUITS, AND ALL CONDUIT AND WIRING FOR SITE AREA LIGHTING AND LOCAL POWER CIRCUITS. REFER TO NOTE 16 ON
- 3. PROVIDE CONCRETE PAD FOR MOUNTING OF ALL ELECTRICAL EQUIPMENT SHOWN IN 2/E100, 3/E100 AND 4/E100, INCLUDING BUT NOT LIMITED TO MSB. DISCONNECTS, PANELBOARDS, TRANSFORMERS T-P1, T-P2, T-P3, T-DP1 AND T-LF3. ALL ELECTRICAL EQUIPMENT NOT GROUND MOUNTED SHALL BE MOUNTED TO UNISTRUT FRAMING SET WITHIN

CONTRACTOR(S) SHALL REFER TO DETAIL 6/E600 OR SCOPE RESPONSIBILITIES BY ELECTRICAL CONTRACTOR UNDER THE SPORTS COMPLEX MAIN ELECTRICAL DISTRIBUTION INSTALLATION AND THE SCOPE RESPONSIBILITIES OF THE "TURN-KEY" SPORTS LIGHTING INSTALLATION BY

	As Noted on Plans R
	Development Services D Lee's Summit, Miss
CIVIL ENGINEERING GBA 9801 Renner Boulevard Lenexa, KS 66219 913.492.0400 www.gbateam.com MO Certificate of Authority	02/03/2023
LANDSCAPE ARCHIT LAND3 Studio, LLC 317 SE Main Lee's Summit, MO 64063 www.land3studio.com MO Certificate of Authority	
LANDSCAPE ARCHIT Hoerr Schaudt Landsc 2100 Central Street, Suite C Kansas City, MO 64108 816.510.0438 www.hoerschaudt.com MO Certificate of Authority	ape Architects NC
MEP ENGINEERING HENDERSON ENGINEER 8345 Lenexa Drive Lenexa, KS 66214 913.742.5000 www.hei-eng.com Missouri Certificate of Auth	
ARCHITECTURE FINKLE + WILLIAMS Arc 8787 Renner Boulevard, Su Lenexa, KS 66219 913.498.1550 www.finklewilliams.com Missouri Certificate of Auth	ite 100
ROJECT:	
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64 ments Ο Š S Improver <u>S</u> lit. NO ဟ σ Ö tě \square SO S omplex View ag AYING NΝ occer σ $\overline{}$ 140 Ω Ś ISSUE: 09.02.2022 **REVISION 1** FIELD DISPLAYS 11.15.2022 OWNER UPDATES 11.15.202 **REVISION 4** 01.23.2023 02.02.2023 **REVISION 7** PROFESSIONAL ANDREA C MULVANY un mu NUMBER PE-2013039892 ANDREA C. MULVANY ICENSE # PE-201303989 DRAWING TITLE: ELECTRICAL SITE PLAN JOB NO: 1197 SCALE: 1:100 DATE: 02.16.2022 DRAWN BY: MAP SHEET NO:

