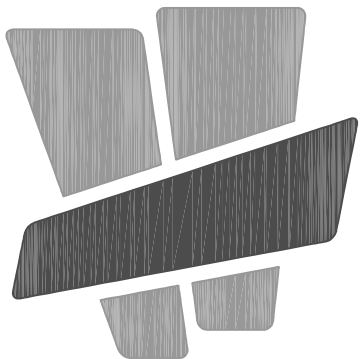
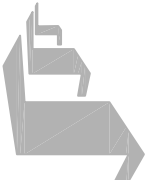




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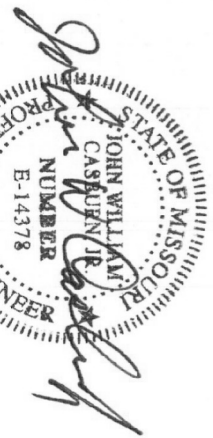
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PROJECT INFORMATION

X CORNER OF
NE TUDOR RD & MAIN ST
LEES SUMMIT, MO 64086



8/22/23

ISSUE DATES	
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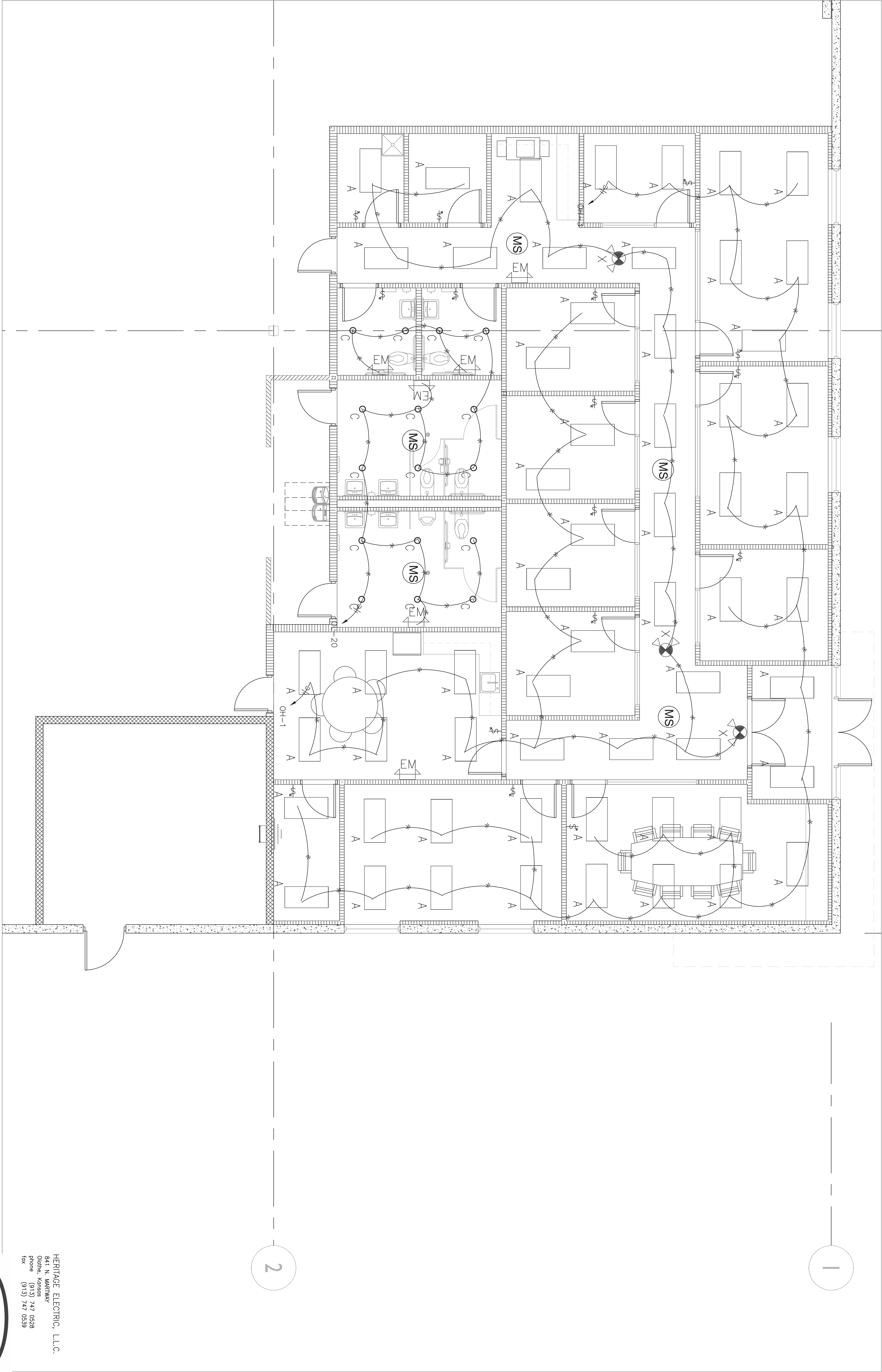


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1
1/4" = 1'

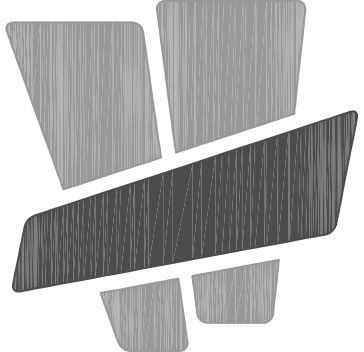
OFFICE LIGHTING PLAN



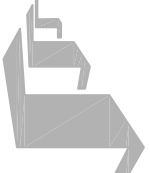
E1.00

220018

LIGHTING PLAN



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PROJECT INFORMATION
LEES SUMMIT LOGISTICS
BUILDING B LOT 2

X CORNER OF
NE TUDOR RD & MAIN ST
LEES SUMMIT, MO 64086



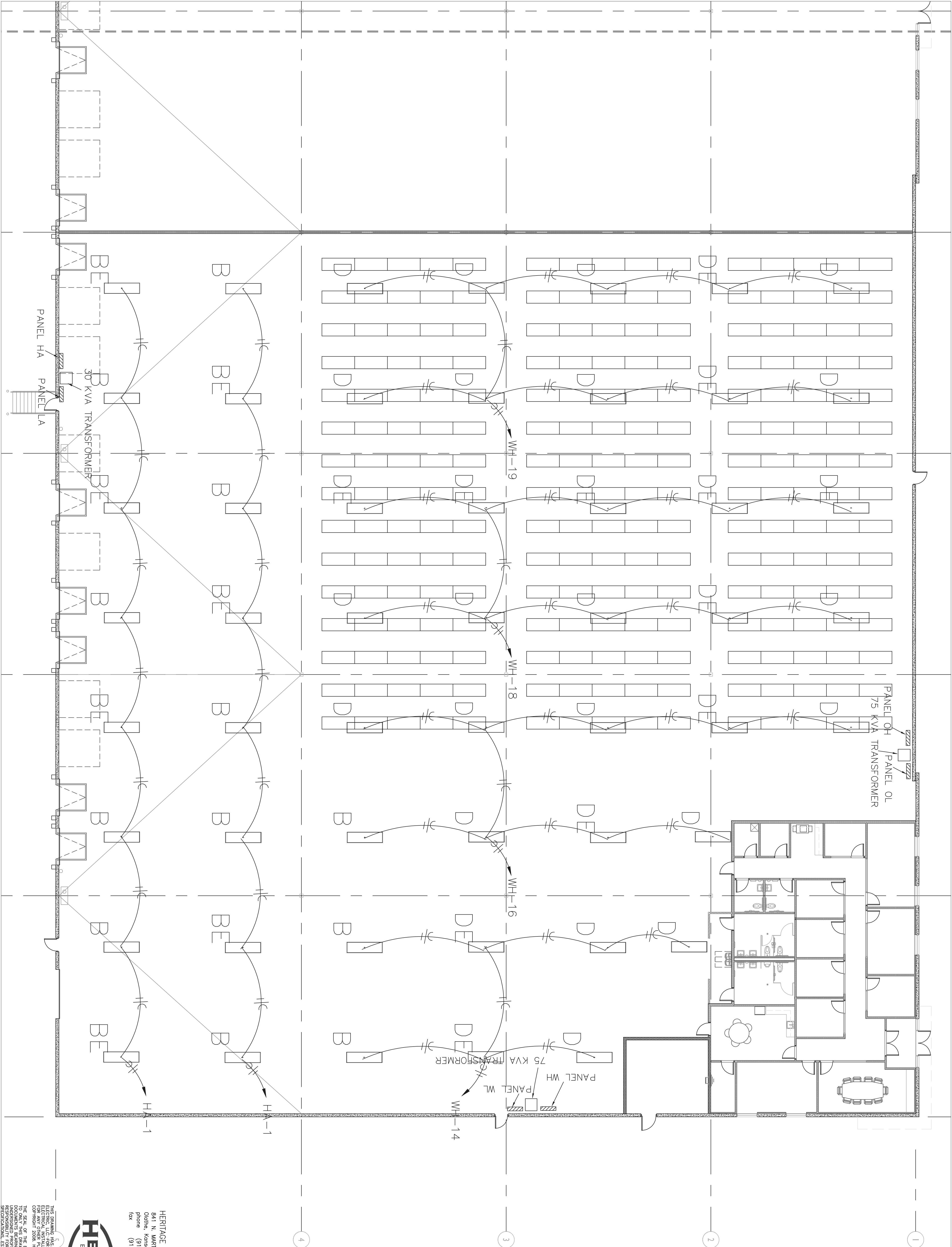
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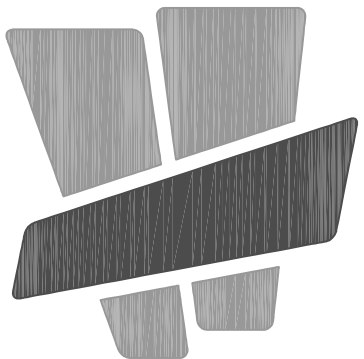


1 WAREHOUSE LIGHTING PLAN

3/32" = 1'

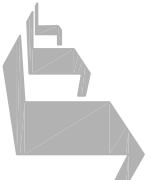
EI.10

220018
WAREHOUSE LIGHTING
PLAN



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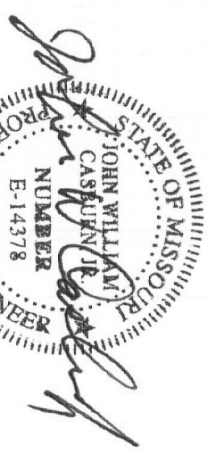
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PROJECT INFORMATION

LEES SUMMIT LOGISTICS
BUILDING B LOT 2

X CORNER OF
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LEES SUMMIT, MO 64086



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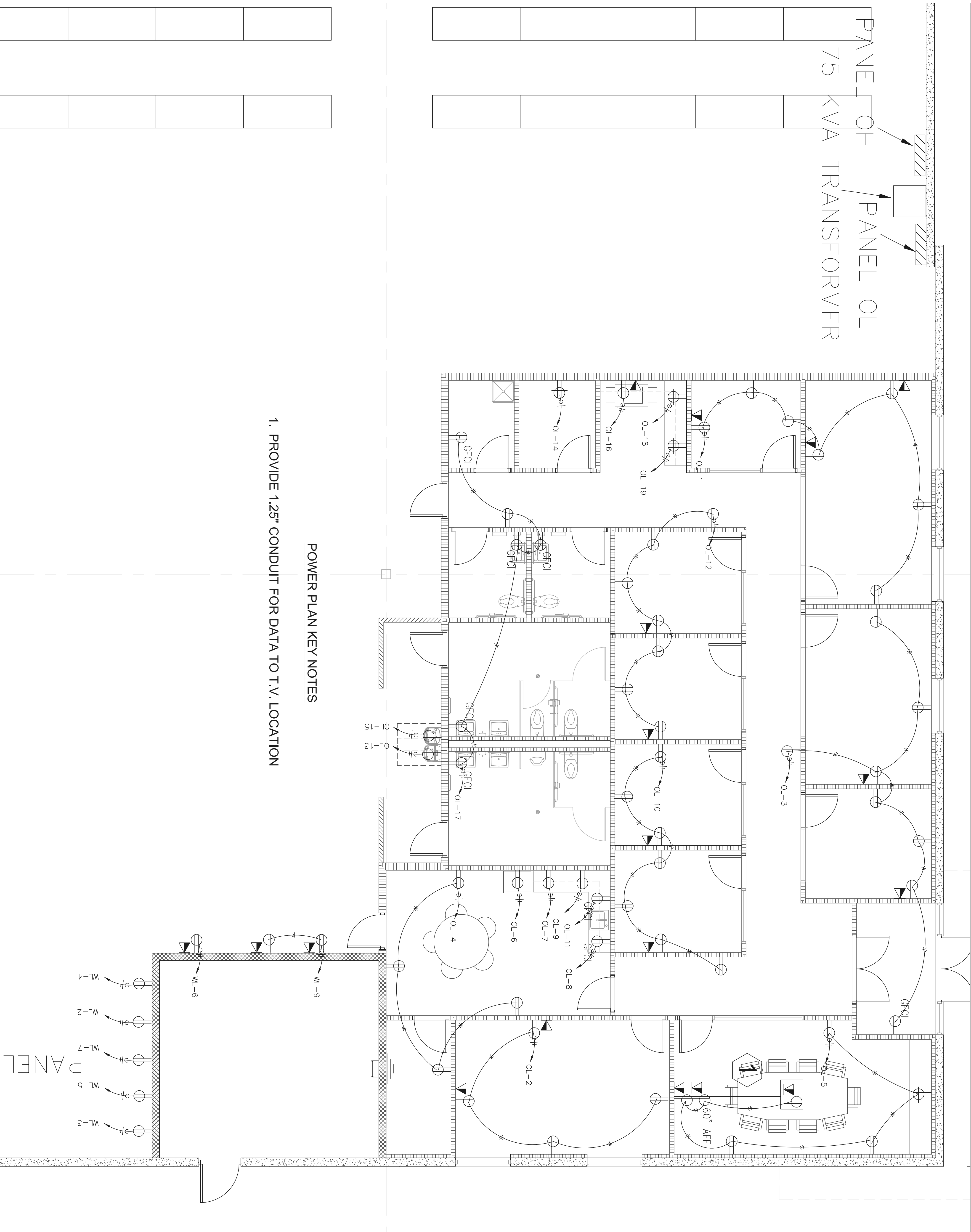
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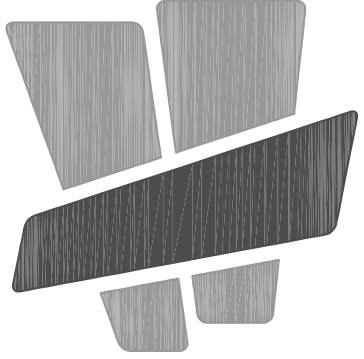
OFFICE POWER PLAN

E2.00



POWER PLAN KEY NOTES

1. PROVIDE 1.25" CONDUIT FOR DATA TO T.V. LOCATION



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PROJECT INFORMATION

LEES SUMMIT LOGISTICS
BUILDING B LOT 2

X CORNER OF
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8/22/23

ISSUE DATES	
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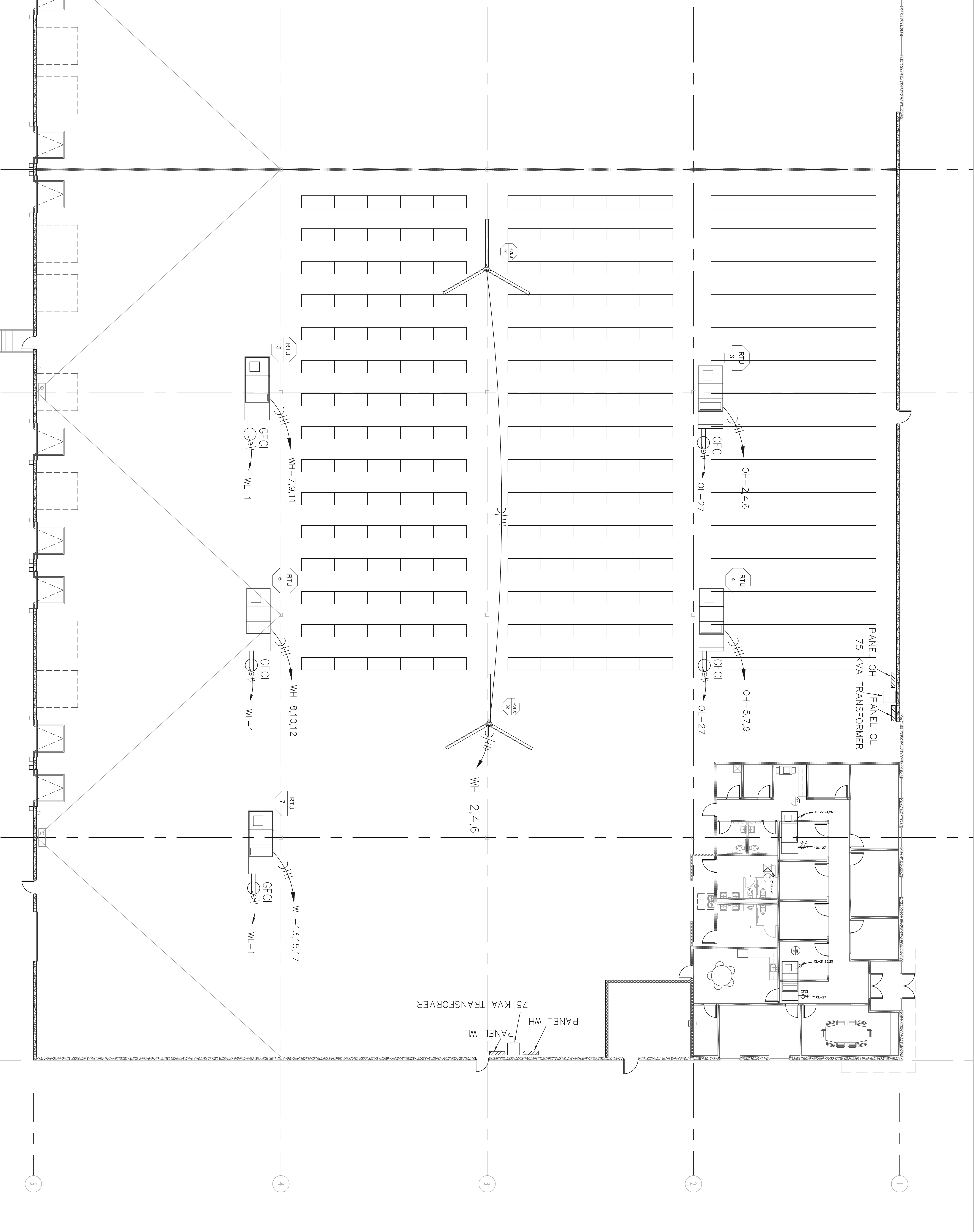
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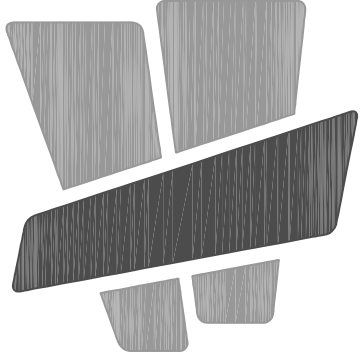


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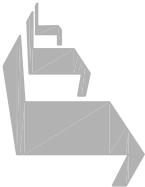
220018
HVAC POWER PLAN

1
3/32" = 1'
HVAC POWER PLAN





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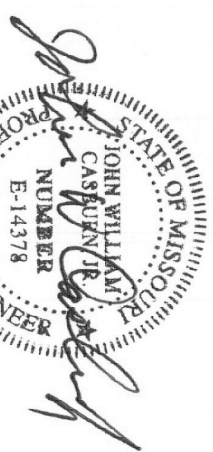
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PROJECT INFORMATION

LEES SUMMIT LOGISTICS
BUILDING B LOT 2

X CORNER OF
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LEES SUMMIT, MO 64086



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ISSUE DATES	
REVISION SET	08/29/23

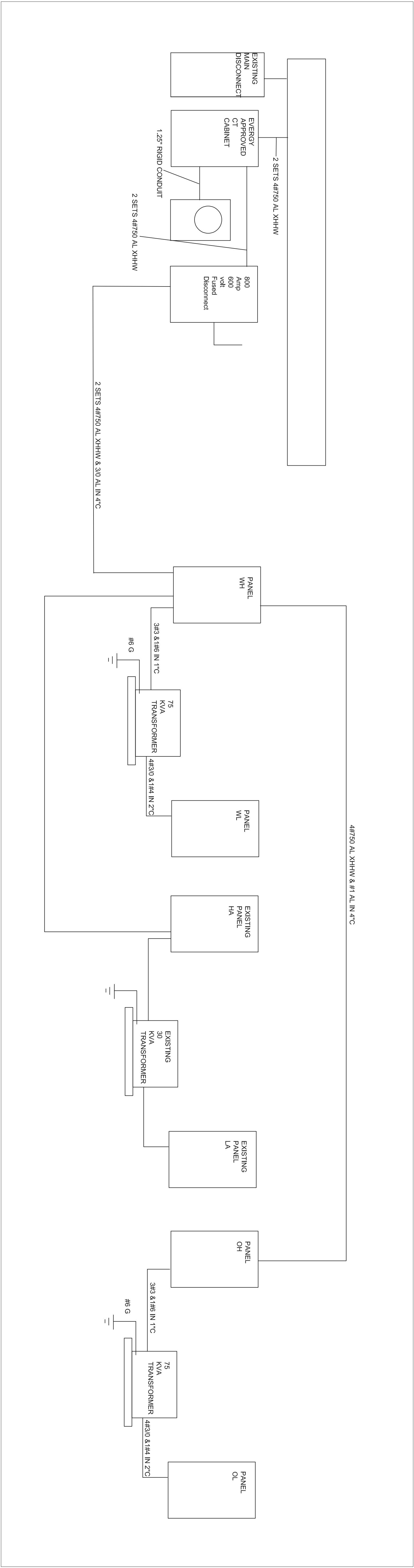
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220018
RISER DIAGRAM

E4.00



RISER DIAGRAM
1
N.T.S

LIGHT FIXTURE SCHEDULE						
TYPE	MANUFACTURER	CATALOG NO.	LAMPS	MOUNTING	VOLTS	REMARKS
A	HE WILLIAMS	BP-24-LS/8CS-DIM-UNV	LED	CEILING	UNV	DR. EQUAL
C	HE WILLIAMS	6DR-TLL60-840-DIM-UNV DM-DF-CS-N-F1	LED	CEILING	UNV	DR. EQUAL
B	GE Lighting	ABCIX304790Q	LED	CEILING	277	EXISTING FIXTURE RELOCATE
BE	GE Lighting	ABCIX304790	LED	CEILING	277	EXISTING FIXTURE RELOCATE
D	HE WILLIAMS	GH-2-TL300-840-F-A-DIM-UN V	LED	CEILING	277	PROVIDE WITH INTEGRAL MOTION SENSOR
DE	HE WILLIAMS	GH-2-TL300-840-F-A-DIM-UN V	LED	CEILING	277	SAME AS TYPE D ONLY WITH EM BALLAST
EM	COMPASS	CUS2Q	LED	WALL	UNV	DR. EQUAL
X1	Compass	CCR	LED	WALL	UNV	DR. EQUAL

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 RMC UNLESS OTHERWISE NOTED
- CONNECTIONS SHALL BE MADE USING SET SCREW CONNECTORS
- MC CABLE IS ACCEPTABLE FOR FINAL CONNECTIONS TO LIGHT FIXTURES PROVIDE WITH 10' WHIP ON ALL HIGHWAYS
- BRANCH WIRING SHALL BE #12 THHN COPPER UNLESS OTHERWISE NOTED
- WIRING SHALL BE AS PER CURRENT NEC 2017 UNLESS OTHERWISE NOTED
- MINIMUM CONDUIT SHALL BE 1/2" UNLESS OTHERWISE NOTED
- INSTALLATION SHALL ADHERE TO ADA STANDARDS
- ALUMINUM XHHW-#2 CABLE MAY BE USED FOR FEEDERS LARGER THEN #2 OTHERWISE COPPER
- REFER TO KOP&L STANDARDS MANUAL FOR 480 SERVICES
- ALL LIGHTING/EQUIPMENT IN WAREHOUSE SHALL BE MOUNTED TO PROVIDE A MIN OF 36" CLEAR HEIGHT

BRANCH CIRCUIT COPPER CONDUCTOR AND CONDUIT SIZING
CHART*

DIVERGENT PROTECTION DEVICE RATING (AMPS)	REQUIRED CONDUCTOR SIZE	EQUIPMENT CONDUCTOR SIZE	SINGLE PHASE 2 CONDUIT SIZE	SINGLE PHASE 3 CONDUIT SIZE	THREE PHASE 3 CONDUIT SIZE	THREE PHASE 4 CONDUIT SIZE
15	12 AVG	12 AVG	3/4"	3/4"	3/4"	3/4"
20	12 AVG	12 AVG	3/4"	3/4"	3/4"	3/4"
25	10 AVG	10 AVG	3/4"	3/4"	3/4"	3/4"
30	10 AVG	10 AVG	3/4"	3/4"	3/4"	3/4"
35	8 AVG	10 AVG	3/4"	3/4"	3/4"	3/4"
40	8 AVG	10 AVG	3/4"	3/4"	3/4"	3/4"
45	8 AVG	10 AVG	3/4"	3/4"	3/4"	1"
50	8 AVG	10 AVG	3/4"	3/4"	3/4"	1"
60	6 AVG	10 AVG	1"	1"	1"	1-1/4"
70	4 AVG	8 AVG	1"	1-1/4"	1-1/4"	1-1/4"
80	4 AVG	8 AVG	1"	1-1/4"	1-1/4"	1-1/4"
90	3 AVG	8 AVG	1-1/4"	1-1/2"	1-1/2"	1-1/2"
100	3 AVG	8 AVG	1-1/4"	1-1/2"	1-1/2"	1-1/2"

NOTES:

- UNLESS OTHERWISE NOTED ON THE DRAWINGS
- 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

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 DIAGRAMATIC, 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 NEC. 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 MCJ AND TYPE MC 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.

