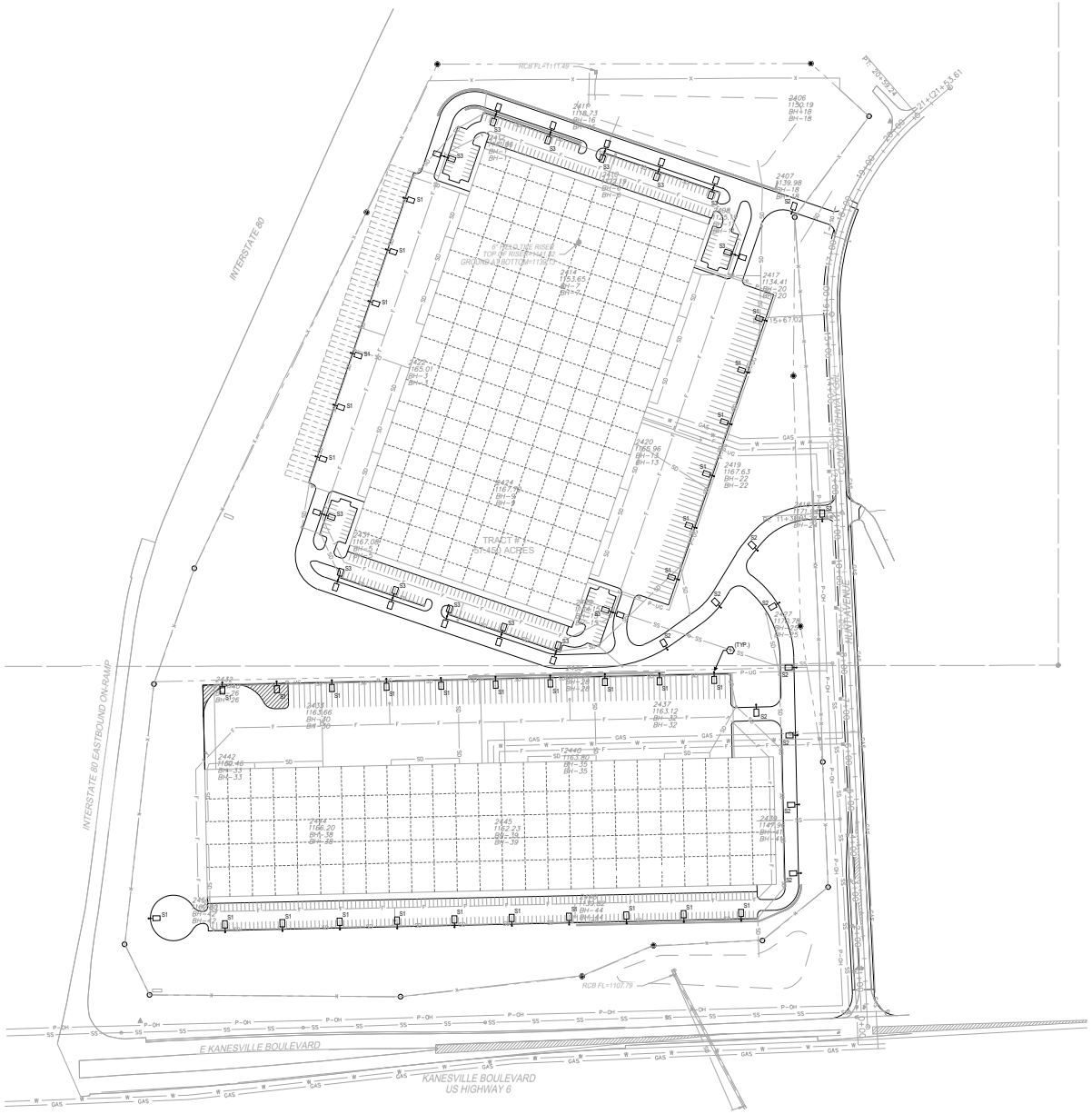
Attachment F



GENERAL SHEET NOTES

A. INSTALL UNDERGROUND CONDUITS 24" DEEP (MIN.) UNLESS NOTED OTHERWISE.

B. USE #8 AWG FROM POLE BASE TO LUMINAIRE. MINIMUM SIZE FOR SITE BRANCH CIRCUIT CONDUITS AND WIRE SHALL BE 1" AND #6 AWG.

C. ALL WORK SHALL BE IN ACCORDANCE WITH THE NEC. CONTRACTOR IS RESPONSIBLE FOR ALL FEES, LICENSES AND PERMITS.

D. ALL BURIED CONDUITS SHALL BE SCHEDULE 40 PVC CONDUIT. PROVIDE LONG SWEEP ELBOWS FOR TURNS. NO CONDUITS SHALL BE EXPOSED. CONDUIT ABOVE GRADE SHALL BE GRS CONDUITS.

E. COORDINATE LIGHT POLE LOCATIONS WITH SURROUNDING UTILITIES.

F. INSTALL A DEDICATED EQUIPMENT GROUNDING CONDUCTOR WITH ALL BRANCH CIRCUITS. SIZE IN ACCORDANCE WITH THE NEC.

SHEET KEYNOTES

1. PROVIDE RAISED CONCRETE FOUNDATION. SEE DETAIL 1/SL201 FOR ADDITIONAL INFORMATION.

ELECTRICAL SYMBOLS

D	DOUBLE ARM MOUNT AREA LIGHT, ID INDICATES FIXTURE TYPE
S	SINGLE ARM MOUNT AREA LIGHT, ID INDICATES FIXTURE TYPE
PB	PULL BOX
	UNDERGROUND ELECTRICAL
UGC	UNDERGROUND CONDUIT
A	AMPERE
C	CONDUIT
P	POLE
W	WIRE

N

0' 50' 100' 200'
SCALE IN FEET

SCHEMATIC SITE PLANS FOR CONCEPT BUDGETING ONLY NOT FOR CONSTRUCTION

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REVISIONS

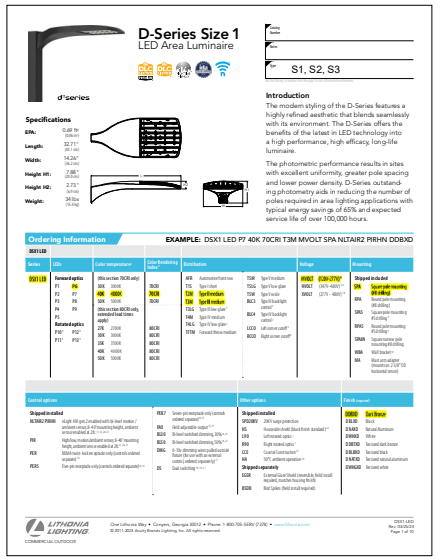
REV. NO.	DATE	REVISION DESCRIPTION

COUNCIL BLUFFS COMMERCE CENTER
SITE LIGHTING PLAN
VANTRUST COMMERCE CENTER
COUNCIL BLUFFS, IA
2023

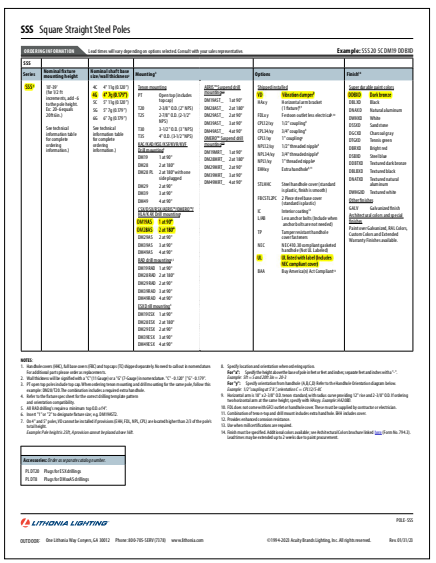
drawn by:	EMB
checked by:	LE
approved by:	JK
QA/QC by:	JK
project no.:	022-04834
drawing no.:	
date:	05.16.2023

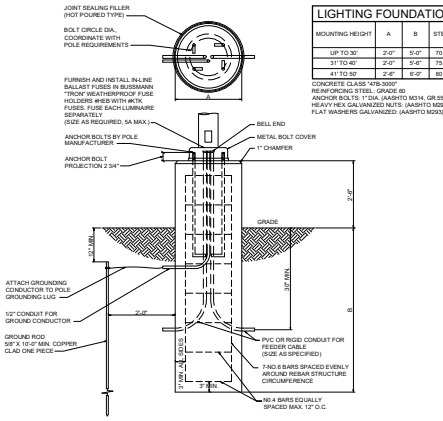
SHEET
SL101

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2'-6" RAISED CONCRETE FOUNDATION

S1, S2, S3 — NOT TO SCALE

LIGHTING FOUNDATION DATA

MOUNTING HEIGHT	A	B	STEEL	CONCRETE
UP TO 30'	2'-0"	5'-0"	70 lb.	0.81 CU. YDS.
31' TO 40'	2'-0"	5'-6"	75 lb.	0.87 CU. YDS.
41' TO 50'	2'-6"	6'-0"	80 lb.	1.45 CU. YDS.

CONCRETE CLASS "4750-3000"
REINFORCING STEEL - GRADE 60
ANCHOR BOLTS: 1" DIA. (AASHTO M314, GR.55)
HEAVY HEX GALVANIZED NUTS: (AASHTO M291, GR A)
FLAT WASHERS GALVANIZED: (AASHTO M293)

SITE LIGHTING FIXTURE SCHEDULE

TYPE	MFG.	CATALOG NUMBER	LAMP NO.	LAMP TYPE	POLE MTG. HT	POLE TYPE	DESCRIPTION
S1	LITHONIA	DSX1 LED P6 40K 70CRI T3M MVOLT SPA DDBXD (SSS 25 4G DM19AS VD UL DDBXD)	-	LED	25'-0"	SSS	SINGLE-HEAD LED AREA LIGHT
S2	LITHONIA	DSX1 LED P6 40K 70CRI T3M MVOLT SPA DDBXD (SSS 25 4G DM19AS VD UL DDBXD)	-	LED	25'-0"	SSS	SINGLE-HEAD LED AREA LIGHT
S3	LITHONIA	(1) DSX1 LED P6 40K 70CRI T3M MVOLT SPA DDBXD (1) DSX1 LED P6 40K 70CRI T2M MVOLT SPA DDBXD (SSS 25 4G DM28AS VD UL DDBXD)	-	LED	25'-0"	SSS	DUAL-HEAD LED AREA LIGHT

RSS - ROUND STRAIGHT STEEL, RTS - ROUND TAPERED STEEL, SSS - SQUARE STRAIGHT STEEL, STS - SQUARE TAPERED STEEL
RSA - ROUND STRAIGHT ALUMINUM, RTA - ROUND TAPERED ALUMINUM, SSS - SQUARE STRAIGHT ALUMINUM

SCHEDULE KEYNOTES:
1 NOT USED

DIVISION 26 - ELECTRICAL SPECIFICATIONS

SECTION 260100 - GENERAL PROVISIONS

GENERAL REQUIREMENTS

ALL REQUIREMENTS UNDER DIVISION ONE AND THE GENERAL AND SUPPLEMENTARY CONDITIONS OF THESE SPECIFICATIONS SHALL BE A PART OF THIS SECTION. EACH CONTRACTOR SHALL BE RESPONSIBLE TO BECOME THOROUGHLY FAMILIAR WITH ALL ITS CONTENTS AS TO REQUIREMENTS WHICH AFFECT THIS DIVISION OR SECTION. THE WORK REQUIRED UNDER THIS SECTION INCLUDES ALL MATERIAL, EQUIPMENT, APPLIANCES, AND LABOR REQUIRED TO COMPLETE THE ENTIRE SYSTEM AS REQUIRED BY THE DRAWINGS AND SPECIFICATIONS, OR REASONABLY INFERRED TO BE NECESSARY TO FACILITATE EACH SYSTEMS FUNCTIONING AS INDICATED BY THE DESIGN AND THE EQUIPMENT SPECIFIED.

INSPECTION OF SITE

THE CONTRACTOR SHALL PERSONALLY INSPECT THE SITE OF THE PROPOSED WORK AND BECOME FULLY INFORMED AS TO THE CONDITIONS UNDER WHICH THE WORK IS TO BE DONE. FAILURE TO DO SO WILL NOT BE CONSIDERED SUFFICIENT JUSTIFICATION TO REQUEST OR OBTAIN EXTRA COMPENSATION OVER AND ABOVE THE CONTRACT PRICE.

MATERIAL AND WORKMANSHIP

ALL MATERIAL AND APPARATUS SHALL BE NEW AND IN FIRST CLASS CONDITION. ALL MATERIAL AND APPARATUS SHALL HAVE MARKINGS OR A NAMEPLATE IDENTIFYING THE MANUFACTURER AND PROVIDING SUFFICIENT REFERENCE TO ESTABLISH QUALITY, SIZE AND CAPACITY. ALL WORKMANSHIP SHALL BE OF THE FINEST POSSIBLE BY EXPERIENCED MECHANICS OF THE PROPER TRADE. IN GENERAL, ALL MATERIALS AND EQUIPMENT SHALL BE OF COMMERCIAL SPECIFICATION GRADE IN QUALITY. LIGHT DUTY AND RESIDENTIAL TYPE EQUIPMENT WILL NOT BE ACCEPTABLE. ALL HOISTS, SCAFFOLDS, STAGING, RUNWAYS, TOOLS, MACHINERY AND EQUIPMENT REQUIRED FOR THE PERFORMANCE OF THE ELECTRICAL WORK SHALL BE FURNISHED BY THIS CONTRACTOR. MATERIAL AND EQUIPMENT SHALL BE STORED AND MAINTAINED IN CLEAN CONDITION, AND PROTECTED FROM WEATHER, MOISTURE, AND PHYSICAL DAMAGE.

COORDINATION

THE CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER CONTRACTORS AND SUBCONTRACTORS SO THAT VARIOUS COMPONENTS OF THE ELECTRICAL SYSTEMS WILL BE INSTALLED AT THE PROPER TIME, WILL FIT THE AVAILABLE SPACE AND WILL ALLOW PROPER SERVICE ACCESS TO ALL EQUIPMENT. THE CONTRACTOR SHALL REFER TO ARCHITECTURAL, STRUCTURAL, AND CIVIL DRAWINGS AND TO RELEVANT EQUIPMENT DRAWINGS TO DETERMINE THE EXTENT OF CLEAR SPACES. THE CONTRACTOR SHALL MAKE ALL OFFSETS REQUIRED TO CLEAR EQUIPMENT, AND STRUCTURAL MEMBERS; AND TO FACILITATE CONCEALING CONDUIT IN THE MANNER ANTICIPATED IN THE DESIGN.

SUBMITTALS

SUBMIT ELECTRONIC VERSION OF SHOP DRAWINGS AND PRODUCT DATA ON ALL ELECTRICAL EQUIPMENT TO BE PROVIDED BY THE CONTRACTOR.

TITLE EACH DRAWING WITH PROJECT NAME AND NUMBER, IDENTIFY EACH ELEMENT OF DRAWINGS BY REFERENCE TO SHEET NUMBER AND DETAIL, OR SCHEDULE CONTRACT DOCUMENTS.

SEQUENTIALLY NUMBER SUBMITTALS ACCORDING THEIR SPECIFICATION SECTION NUMBER. REVISED SUBMITTALS SHOULD INCLUDE ORIGINAL NUMBER AND A SEQUENTIAL ALPHABETIC SUFFIX.

CONTRACTOR AND SUPPLIER SHALL REVIEW AND STAMP AND SIGN SUBMITTALS PRIOR TO TRANSMITTAL; DETERMINE AND VERIFY FIELD MEASUREMENTS, FIELD CONSTRUCTION CRITERIA, MANUFACTURERS CATALOG NUMBERS AND CONFORMANCE OF SUBMITTAL WITH REQUIREMENTS OF CONTRACT DOCUMENTS. IDENTIFY IN WRITING AT TIME OF SUBMITTAL OF ANY DEVIATIONS FROM REQUIREMENTS OF CONTRACT DOCUMENTS.

MARK DIMENSIONS AND VALUES IN UNITS TO MATCH THOSE SPECIFIED.

MARK ANY FEATURES/OPTIONS BEING PROVIDED. DELETE OR PUT A LINE THROUGH FEATURES/OPTIONS THAT ARE NOT BEING PROVIDED.

DO NOT FABRICATE OR ORDER PRODUCTS OR BEGIN WORK THAT REQUIRES SUBMITTALS UNTIL APPROVAL OF SUBMITTAL.

APPROVAL OF EQUIPMENT DOES NOT CONSTRUE APPROVAL OF EQUIPMENT, COMPONENTS, ETC. THAT NO INFORMATION IS FURNISHED TO SHOW COMPLIANCE WITH CONTRACT DOCUMENTS.

CONTRACTOR SHALL PAY A SHOP DRAWING REVIEW FEE OF $100.00, TO THE ENGINEER, FOR EACH SHOP DRAWING REVIEW AFTER TWO REVIEWS THAT ARE MARKED "RETURNED FOR CORRECTIONS" BY THE ENGINEER.

SUBSTITUTIONS

THE OWNER SHALL BE THE SOLE AND FINAL JUDGE AS TO THE SUITABILITY OF ITEMS SUBSTITUTED FOR THOSE SPECIFIED. REQUESTS FOR SUBSTITUTIONS SHALL BE SUBMITTED NO LATER THEN TEN (10) DAYS PRIOR TO THE DAY OF BID OPENING. IF PRIOR APPROVAL IS NOT GRANTED, EQUIPMENT SHALL BE FURNISHED AS SPECIFIED OR AS SHOWN ON THE PLANS.

THE ENTIRE COST OF ALL CHANGES OF ANY TYPE DUE TO SUBSTITUTIONS FOR MATERIALS SPECIFIED SHALL BE BORNE BY THE CONTRACTOR AT NO EXTRA COST TO THE OWNER AND SHALL REIMBURSE OTHER TRADES OF ADDITIONAL COST DUE TO SUBSTITUTION.

DOCUMENT EACH REQUEST WITH COMPLETE DATA SUBSTANTIATING COMPLIANCE OF PROPOSED SUBSTITUTION WITH CONTRACT DOCUMENTS.

REQUEST CONSTITUTES A REPRESENTATION THAT CONTRACTOR:
1. HAS INVESTIGATED PROPOSED PRODUCT AND DETERMINED THAT IT MEETS OR EXCEEDS, IN ALL RESPECTS, SPECIFIED PRODUCT.
2. WILL PROVIDE THE SAME WARRANTY FOR SUBSTITUTION AS FOR SPECIFIED PRODUCT.
3. WILL COORDINATE INSTALLATION AND MAKE OTHER CHANGES THAT MAY BE REQUIRED FOR WORK TO BE COMPLETE IN ALL RESPECTS.
4. WAIVES CLAIMS FOR ADDITIONAL COSTS OR TIME EXTENSION THAT MAY SUBSEQUENTLY BECOME APPARENT.
5. WILL REIMBURSE OWNER FOR REVIEW OR REDESIGN SERVICES ASSOCIATED WITH RE-APPROVAL BY AUTHORITIES.
SUBSTITUTIONS WILL NOT BE CONSIDERED WHEN THEY ARE INDICATED OR IMPLIED ON SHOP DRAWING OR PRODUCT DATA SUBMITTALS WITHOUT SEPARATE WRITTEN REQUEST, OR WHEN ACCEPTANCE WILL REQUIRE SUBSTANTIAL REVISION OF CONTRACT DOCUMENTS.

DIMENSIONS AND LAYOUTS

THE DRAWINGS ARE SCHEMATIC IN NATURE, BUT SHOW THE VARIOUS COMPONENTS OF THE SYSTEMS APPROXIMATELY TO SCALE AND ATTEMPT TO INDICATE HOW THEY ARE TO BE INTEGRATED WITH OTHER PARTS OF THE SITE. FIGURED DIMENSIONS SHALL BE TAKEN IN PREFERENCE TO SCALE DIMENSIONS. DETERMINE EXACT LOCATIONS BY JOB MEASUREMENTS, BY CHECKING THE REQUIREMENTS OF OTHER TRADES, AND BY REVIEWING ALL CONTRACT DOCUMENTS. THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR ERRORS WHICH OR COULD HAVE BEEN AVOIDED BY PROPER CHECKING AND INSPECTION.

ORDINANCES AND CODES

CONTRACTOR'S PERFORMANCE, WORKMANSHIP AND MATERIALS SHALL COMPLY WITH NATIONAL FIRE PROTECTION ASSOCIATION CODES, STATE AND LOCAL BUILDING CODES, AND/OR ALL OTHER APPLICABLE CODES AND ORDINANCES. CONTRACTOR SHALL COMPLY WITH RULES AND REGULATIONS OF PUBLIC UTILITIES AND AUTHORITIES HAVING JURISDICTION OVER SERVICES. OBTAIN AND PAY FOR ALL PERMITS. CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY VIOLATION OF THE LAW. CONTRACTOR SHALL MAINTAIN ALL NECESSARY SIGNAL LIGHTS AND GUARDS FOR THE SAFETY OF THE PUBLIC.

ADJUSTING, ALIGNING AND TESTING

ALL ELECTRICAL EQUIPMENT ON THIS PROJECT FURNISHED UNDER THIS DIVISION AND ALL ELECTRICAL EQUIPMENT FURNISHED BY OTHERS SHALL BE ADJUSTED, ALIGNED AND TESTED FOR PROPER OPERATION BY THE ELECTRICAL CONTRACTOR. COMPLETE WIRING SYSTEMS SHALL BE FREE FROM SHORT CIRCUITS.

GUARANTEE

GUARANTEE AGAINST DEFECTIVE WORKMANSHIP AND MATERIAL FOR A PERIOD OF ONE YEAR FROM DATE OF FINAL PAYMENT. GUARANTEE SHALL COVER MATERIAL TO BE REPLACED AND ALL LABOR REQUIRED.

SECTION 260526 - ELECTRICAL SERVICE AND GROUNDING

ELECTRICAL SERVICE

SEE DRAWINGS FOR TYPE, SIZE, VOLTAGE, PHASE, AND RELATED REQUIREMENTS.

GROUNDING

THE ELECTRICAL SERVICE AND SIMILAR CONDUCTING SURFACES IN THIS CONTRACT WHICH REQUIRE GROUNDING SHALL BE PERMANENTLY AND EFFECTIVELY GROUNDED BY THIS CONTRACTOR IN A THOROUGH AND EFFICIENT MANNER IN CONFORMANCE TO THE NATIONAL ELECTRICAL CODE. ALL CIRCUITS SHALL HAVE SEPARATE GREEN GROUND CONDUCTOR ROUTED WITH PHASE CONDUCTORS.

SECTION 260519 - WIRE

ALL WIRE SHALL HAVE COPPER CONDUCTORS WITH U.L. LABEL, AND 600 VOLT INSULATION. ALL WIRE SHALL BE RUN IN CONDUIT. SERVICE ENTRANCE CABLE SHALL BE TYPE USE, THWN OR XHHW WITH STRANDED CONDUCTORS. ALL FEEDER AND BRANCH CIRCUIT WIRE #8 AWG AND LARGER SHALL BE TYPE THWN OR XHHW, BOTH WITH STRANDED CONDUCTORS. ALL WIRE #10 AWG AND SMALLER SHALL BE TYPE THWN (WET OR DAMP LOCATIONS, OR IN CONDUIT BELOW GRADE OR SLAB) OR THHN (DRY LOCATIONS ONLY AND ABOVE GRADE), BOTH WITH SOLID CONDUCTORS. ALL BRANCH CIRCUIT WIRING SHALL BE NOT SMALLER THAN #12 AWG WIRE. CONTROL WIRING SHALL HAVE 600V INSULATION AND BE OF THE PROPER TYPE, SIZE AND NUMBER AS REQUIRED TO ACCOMPLISHED SPECIFIED FUNCTION.

WIRING INSTALLATION

ALL WIRING SHALL BE INSTALLED IN CONDUIT RACEWAYS UNLESS OTHERWISE INDICATED HEREIN. ALL CONDUIT RUNS SHOWN ARE DIAGRAMMATIC. EXACT LOCATIONS SHALL BE DETERMINED IN THE FIELD. ALL RACEWAYS SHALL BE SIZED PER THE N.E.C. NO CONDUIT SMALLER THAN 1" SHALL BE PERMITTED FOR POWER DISTRIBUTION WIRING. ALL WIRING INSTALLED BELOW CONCRETE SLABS ON GRADE, ALL ABOVE GRADE EXTERIOR WIRING AND ALL WIRING EXPOSED TO MOISTURE OR PHYSICAL DAMAGE SHALL BE INSTALLED IN RIGID STEEL CONDUIT. ALL EXTERIOR UNDERGROUND WIRING TO BE INSTALLED IN RIGID P.V.C. CONDUIT UNLESS OTHERWISE NOTED.

ALL WIRE AND CABLE IN CONDUIT SHALL BE CONTINUOUS WITHOUT TAPS OR SPLICES. ALL SPLICES OR TAPS SHALL OCCUR IN APPROVED BOXES AND ENCLOSURES AND SHALL BE KEPT TO THE MINIMUM REQUIRED, AND SHALL BE MADE UP WITH APPROVED SOLDERLESS CONNECTORS. ALL SPLICES, TAPS, AND JOINTS SHALL BE INSULATED AS REQUIRED BY CODE.

ALL MATERIALS USED TO TERMINATE, SPLICE OR TAP CONDUCTORS SHALL BE DESIGNED FOR, PROPERLY SIZED FOR, AND U.L. LISTED FOR THE SPECIFIC APPLICATION AND CONDUCTORS INVOLVED, AND SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. USING THE MANUFACTURER'S RECOMMENDED TOOLS.

WHERE WIRE IS INDICATED TO BE INSTALLED, BUT THE CONNECTION IS INDICATED "FUTURE" OR "BY OTHERS", CONTRACTOR SHALL LEAVE A MINIMUM OF 3 FEET OF "PIGTAIL" AT THE BOX, TAPE THE ENDS OF THE CONDUCTORS, AND COVER THE BOX.

CONDUCTORS SHALL HAVE INSULATION OF THE PROPER COLOR TO MATCH NEC COLOR CODE SYSTEM AND IN THE TABLE BELOW. IN LARGER WIRE SIZES WHERE PROPERLY COLORED INSULATION IS NOT AVAILABLE, THE CONTRACTOR SHALL USE VINYL PLASTIC ELECTRICAL TAPE OF THE APPROPRIATE COLOR AROUND EACH CABLE AT ALL TERMINATION POINTS, JUNCTION AND PULL BOXES.

SYSTEM VOLTAGE, CONDUCTOR TYPE, COLOR:

208Y/120	
BLACK	PHASE A
RED	PHASE B
BLUE	PHASE C
WHITE	NEUTRAL
GREEN	EQUIPMENT GROUND

ALL TERMINAL BLOCKS AND WIRE TERMINALS FOR CONTROL WIRING SHALL BE PROPERLY NUMBERED FOR IDENTIFICATION WITH VINYL STICK-ON MARKERS OR EQUIVALENT.

ALL RECEPTACLE AND NON-LIGHTING EQUIPMENT BRANCH CIRCUITS SHALL HAVE AN EQUIPMENT GROUND CONDUCTOR INSTALLED IN THE BRANCH CIRCUIT RACEWAY, SIZED IN ACCORDANCE WITH NEC TABLE 250-95.

VOLTAGE DROP IN BRANCH CIRCUITS SHALL NOT EXCEED 3%.

SECTION 260533 - RACEWAYS

GENERAL REQUIREMENTS

ALL CONDUIT SHALL BE RUN CONCEALED EXCEPT WHERE OTHERWISE NOTED. ALL CONDUIT RUN UNDERGROUND SHALL BE PVC SCHEDULE 40. ALL CONDUIT EXPOSED TO WEATHER, OR OTHER HAZARDOUS CONDITIONS SHALL BE RIGID STEEL. ALL OTHER CONDUIT MAY BE THIN-WALL EMT WHERE APPROVED BY LOCAL CODE.

CONDUIT INSTALLATION

ALL CONDUIT RUNS SHOWN ARE DIAGRAMMATIC. EXACT LOCATIONS SHALL BE DETERMINED IN THE FIELD. ALL RACEWAYS SHALL BE SIZED PER THE N.E.C. NO CONDUIT SMALLER THAN 1" SHALL BE PERMITTED FOR POWER DISTRIBUTION WIRING.

CONDUIT SHALL BE LOCATED IN GRANULAR FILL BELOW SLABS-ON GRADE.

VERTICAL FEEDER CONDUITS SHALL BE SECURELY CLAMPED TO STRUCTURAL STEEL MEMBERS ATTACHED TO STRUCTURE. CABLE CLAMPS SHALL BE INSTALLED FOR SUPPORT OF VERTICAL FEEDERS WHERE REQUIRED. CONDUIT SUPPORTS SHALL BE ADDED WITHIN 12" AT ONE END OF ALL BENDS.

CONDUIT ENDS SHALL BE REAMED BEFORE INSTALLATION AND ALL CONDUIT SHALL BE THOROUGHLY CLEANED BEFORE INSTALLATION AND KEPT CLEAN AFTER INSTALLATION. OPENINGS AND BOXES SHALL BE PLUGGED OR COVERED AS REQUIRED TO KEEP CONDUIT CLEAN DURING CONSTRUCTION AND ALL CONDUIT SHALL BE FISHED CLEAR OF OBSTRUCTIONS BEFORE THE PULLING OF WIRES. ALL CONDUIT SHALL BE OF AMPLE SIZE FOR PULLING OF WIRE AND SHALL NOT BE SMALLER THAN CODE REQUIREMENTS AND NOT LESS THAN 1" IN SIZE.

ALL ELECTRICAL WORK SHALL BE PROTECTED AGAINST DAMAGE DURING CONSTRUCTION. ANY WORK DAMAGED SHALL BE REPAIRED TO MEET ENGINEER'S APPROVAL WITHOUT ADDITIONAL COST TO THE OWNER.

CONDUIT TERMINATIONS AT PANELBOARDS, SWITCHBOARDS, AND JUNCTION BOXES SHALL BE ALIGNED AND INSTALLED TRUE AND PLUMB.

INSTALL APPROVED EXPANSION FITTINGS WHERE CONDUIT PASSES THROUGH EXPANSION JOINTS.

INSTALL A PULL WIRE IN EACH EMPTY CONDUIT WHICH IS LEFT BY THE CONTRACTOR FOR INSTALLATION OF WIRES OR CABLES BY OTHERS.

MAKE ALL JOINTS AND CONNECTIONS IN A MANNER WHICH WILL INSURE MECHANICAL STRENGTH AND ELECTRICAL CONTINUITY.

THRU-WIRING OF LIGHT FIXTURES IS NOT PERMITTED.

BUSHINGS AND LOCKNUTS

WHERE CONDUITS ENTER BOXES, THEY SHALL BE RIGIDLY CLAMPED TO THE BOX BY A BUSHING ON THE INSIDE AND A LOCKNUT ON THE OUTSIDE, AND CONDUIT SHALL ENTER THE BOX SQUARELY. BUSHINGS AND LOCKNUTS SHALL BE MADE OF GALVANIZED MALLEABLE IRON AND SHALL HAVE SHARP, CLEAN-CUT THREADS. USE INSULATED GROUNDING BUSHINGS WHEREVER CONNECTION IS SUBJECT TO VIBRATION OR MOISTURE.

SECTION 265600 - EXTERIOR LIGHTING

FURNISH AND INSTALL A COMPLETE SITE LIGHTING SYSTEM. WHICH INCLUDES BUT IS NOT LIMITED TO CONCRETE BASES, METAL BOLT COVERS, POLES, LUMINAIRES, MOUNTING HARDWARE, CONDUIT, WIRING SYSTEM, AND ELECTRICAL CONNECTIONS.

POLES SHALL BE ANCHOR BASE TYPE FABRICATED OF HIGH STRENGTH STEEL WITH A 4" x 6" GASKETED HAND HOLE AT BASE OF POLE. FACTORY FINISH SHALL BE ELECTROSTATICALLY APPLIED POWDER COAT FINISH. COLOR AS INDICATED IN THE LIGHTING FIXTURE SCHEDULE.

POLE SHALL BE NON-BREAKAWAY TYPE, ROUND DESIGNED TO WITHSTAND 90 MPH WINDS WITH A GUST FACTOR OF 1.3 MPH, MINIMUM. POLE MANUFACTURER SHALL BE AS RECOMMENDED BY LUMINAIRE MANUFACTURER.

LUMINAIRES SHALL BE AS SPECIFIED IN SCHEDULE. PRIOR APPROVAL REQUIRED FOR SUBSTITUTION ALONG WITH PHOTOMETRIC PLAN.

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REVISIONS

REV'S NO	DATE	REVISION DESCRIPTION

2023

COUNCIL BLUFFS COMMERCE CENTER
SITE LIGHTING DETAILS
VANTRUST COMMERCE CENTER
COUNCIL BLUFFS, IA

drawn by: EMB
checked by: LE
approved by: JH
QA/QC by: JH
project no.: 022-04834
drawing no.:
date: 05.16.2023

SHEET
SL201

DWG: F:\2022\04501---05000\022---04834\40-Design\AutoCAD\Preliminary Plans\Sheets\MEcH\Electrical\E_ASLGT_022048514.dwg
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USER: ekeh