## GENERAL ELECTRICAL EQUIPMENT SCHEDULE THE SYMBOLS AND THE EQUIPMENT SCHEDULE ARE FOR THE CONVENIENCE OF THE CONTRACTOR. EACH CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF QUANTITIES AND SHALL FURNISH ALL MATERIAL REQUIRED, WHETHER SPECIFIED OR NOT, TO PRODUCE A SATISFACTORY WORKING SYSTEM. CATALOG NUMBERS SHALL NOT BE CONSIDERED COMPLETE BUT ARE GIVEN ONLY TO AID THE CONTRACTOR IN THE SEARCH FOR MATERIAL. NO MATERIAL SHALL BE ORDERED BY MANUFACTURER AND CATALOG NUMBER ONLY. EACH CONTRACTOR SHALL FIRST READ THE COMPLETE DESCRIPTION OF THE MATERIAL ON THESE DRAWINGS AND SPECIFICATIONS. THE FIRST MANUFACTURER LISTED IS THE BASIS OF DESIGN. "STANDARD COLOR" INDICATES FACTORY FINISH AVAILABLE AT NO ADDITIONAL CHARGE. ITEM NO. SYMBOL DESCRIPTION APPROVED MANUFACTURERS HUBBELL/QUAZITE PG1118BB18 PG1118HA00 CARSON INDUSTRIES ARMORCAST HIGHLINE PRODUCTS SYNERTECH HANDHOLE, COMPOSITE POLYMER CONCRETE BODY AND COVER. STAINLESS STEEL HARDWARE. BOLTED NON-SKID COVER RATED FOR 5,000 LB. DESIGN LOAD OCCASIONAL NON-DELIBERATE VEHICULAR TRAFFIC. STACK UNITS TO ACHIEVE DEPTH SHOWN ON PLANS. UNITS IN LANDSCAPED AREAS SHALL BE GREEN IN COLOR. 11"W, 18"L, 18"D <u>HH-1</u>

			Ll	JMIN	<b>IAI</b> F	RE S	SCHE	EDL	JLE				
RE -	MOUNTING: RECESSED	(Type) LED -		TECHNOI EMITTING							) <b>LENS/L</b> - OTHER		R: DESCRIPTION)
PL -	SUSPENDED POLE												
0 -	OTHER ( SEE DESCRIPTION)		BALL				•	BALL					
				DIMMING E DIMMING					TRONIC BAL		IC 120V-2	277V	
COMPI	OG NUMBER SHALL NOT BE CONSIDERED LETE DESCRIPTION AND THE SPECIFICAT SSORIES TO BE ORDERED. THE FIRST MAI	TION SHAL	L BE C	OORDIN	ATED W	ITH THE	CATALO						
	TO SPECIFICATION SECTIONS LIGHTING							QUIREN	IENTS.				
	MPS FOR THIS PROJECT SHALL BE FURNISH MP COLOR RENDERING INDEX (CRI) AT OR A						ONTRACTO	OR UNLI	ESS OTHER	WISE NOTE	ED.		
			DIME	SIONS				LAMPS	6	BALL	AST		
ITEM S2	DESCRIPTION DUAL-HEAD SITE LUMINAIRE, ALUMINUM DIE-CAST HOUSING, PRECISION-MOLDED ACRYLIC LENS, FINISH SELECTION BY OWNER FROM STANDARD FINISHES, U.L. LISTED WET LOCATION. NORTH FACING HEAD: TYPE III MEDIUM DISTRIBUTION. SOUTH FACING HEAD: FORWARD THROW MEDIUM DISTRIBUTION.	L 26"	<b>W</b> 13"	Н 7"	DIA	MTG PL 2 @ 180°	TYPE LED	<b>QTY</b> 1	MODEL MAX 95 WATT MINIMUM 8,800 LUMENS 4000K 70 CRI PER HEAD	VOLTS MV	ТҮРЕ	<u>L/L</u> 0	APPROVED MANUFACTURER LITHONIA D-SERIES DSX0-LED-40C-700-40K-T3M MVOLT-SPA DSX0-LED-40C-700-40K-TFTN MVOLT-SPA MCGRAW-EDISON GALLEON KIM ALTITUDE GARDCO PUREFORM VISIONAIRE VLX BEACON VIPER
S2 POLE	25'-0" SQUARE STRAIGHT STEEL POLE IN SAME FINISH AS S2 HEAD, 7 GAUGE, 0.1793" WALL THICKNESS, ANCHOR BASE, INTERNAL VIBRATION DAMPENER. PROVIDE STANDARD HANDHOLE LOCATED AT 1'-6" ABOVE POLE BASE.	4"	4"	25'-0"									LITHONIA SSS-25-4G-DM28AS-FDLXX MANUFACTURER OF S2
\$3	DUAL-HEAD SITE LUMINAIRE, ALUMINUM DIE-CAST HOUSING, PRECISION-MOLDED ACRYLIC LENS, FINISH SELECTION BY OWNER FROM STANDARD FINISHES, U.L. LISTED WET LOCATION. BOTH HEADS: FORWARD THROW MEDIUM DISTRIBUTION.	26"	13"	7"		PL 2 @ 180°	LED	1	MAX 95 WATT MINIMUM 8,800 LUMENS 4000K 70 CRI PER HEAD	MV		0	LITHONIA D-SERIES DSX0-LED-40C-700-40K-TFTM MVOLT-SPA DSX0-LED-40C-700-40K-TFTM MVOLT-SPA MCGRAW-EDISON GALLEON KIM ALTITUDE GARDCO PUREFORM VISIONAIRE VLX BEACON VIPER
S3 POLE	25'-0" SQUARE STRAIGHT STEEL POLE IN SAME FINISH AS S3 HEAD, 7 GAUGE, 0.1793" WALL THICKNESS, ANCHOR BASE, INTERNAL VIBRATION DAMPENER. PROVIDE STANDARD HANDHOLE LOCATED AT 1'-6" ABOVE POLE BASE.	4"	4"	25'-0"									LITHONIA SSS-25-4G-DM28AS-FDLXX MANUFACTURER OF S3
S4	DUAL-HEAD SITE LUMINAIRE, ALUMINUM DIE-CAST HOUSING, PRECISION-MOLDED ACRYLIC LENS, FINISH SELECTION BY OWNER FROM STANDARD FINISHES, U.L. LISTED WET LOCATION. 25'-0" SQUARE STRAIGHT STEEL POLE IN SAME FINISH, ANCHOR BASE, INTERNAL VIBRATION DAMPENER. NORTH FACING HEAD: TYPE III MEDIUM DISTRIBUTION. SOUTH FACING HEAD: TYPE II MEDIUM DISTRIBUTION.	26"	13"	7"		PL 2 @ 180°	LED	1	MAX 95 WATT MINIMUM 8,800 LUMENS 4000K 70 CRI PER HEAD	MV		0	LITHONIA D-SERIES DSX0-LED-40C-700-40K-T3M MVOLT-SPA DSX0-LED-40C-700-40K-T2M MVOLT-SPA MCGRAW-EDISON GALLEON KIM ALTITUDE GARDCO PUREFORM VISIONAIRE VLX BEACON VIPER
S4 POLE	25'-0" SQUARE STRAIGHT STEEL POLE IN SAME FINISH AS S4 HEAD, 7 GAUGE, 0.1793" WALL THICKNESS, ANCHOR BASE, INTERNAL VIBRATION DAMPENER. PROVIDE STANDARD HANDHOLE LOCATED AT 1'-6" ABOVE POLE BASE.	4"	4"	25'-0"									LITHONIA SSS-25-4G-DM28AS-FDLXX MANUFACTURER OF S4
S5	SINGLE-HEAD SITE LUMINAIRE, ALUMINUM DIE-CAST HOUSING, PRECISION-MOLDED ACRYLIC LENS, FINISH SELECTION BY OWNER FROM STANDARD FINISHES, U.L. LISTED WET LOCATION. 25'-0" SQUARE STRAIGHT STEEL POLE IN SAME FINISH, ANCHOR BASE, INTERNAL VIBRATION DAMPENER. HEAD: TYPE III MEDIUM DISTRIBUTION.	26"	13"	7"		PL	LED	1	MAX 95 WATT MINIMUM 8,800 LUMENS 4000K 70 CRI	MV		0	LITHONIA D-SERIES DSX0-LED-40C-700-40K-T3M MVOLT-SPA MCGRAW-EDISON GALLEON KIM ALTITUDE GARDCO PUREFORM VISIONAIRE VLX BEACON VIPER
S5 POLE	25'-0" SQUARE STRAIGHT STEEL POLE IN SAME FINISH AS S5 HEAD, 7 GAUGE, 0.1793" WALL THICKNESS, ANCHOR BASE, INTERNAL VIBRATION DAMPENER. PROVIDE STANDARD HANDHOLE LOCATED AT 1'-6" ABOVE POLE BASE.	4"	4"	25'-0"									LITHONIA SSS-25-4G-DM19AS-FDLXX MANUFACTURER OF S5
S6	SINGLE-HEAD SITE LUMINAIRE, ALUMINUM DIE-CAST HOUSING, PRECISION-MOLDED ACRYLIC LENS, FINISH SELECTION BY OWNER FROM STANDARD FINISHES, U.L. LISTED WET LOCATION. 25'-0" SQUARE STRAIGHT STEEL POLE IN SAME FINISH, ANCHOR BASE, INTERNAL VIBRATION DAMPENER. HEAD: TYPE II MEDIUM DISTRIBUTION.	26"	13"	7"		PL	LED	1	MAX 95 WATT MINIMUM 8,800 LUMENS 4000K 70 CRI	MV		0	LITHONIA D-SERIES DSX0-LED-40C-700-40K-T2M MVOLT-SPA MCGRAW-EDISON GALLEON KIM ALTITUDE GARDCO PUREFORM VISIONAIRE VLX BEACON VIPER
S6 POLE	25'-0" SQUARE STRAIGHT STEEL POLE IN SAME FINISH AS S6 HEAD, 7 GAUGE, 0.1793" WALL THICKNESS, ANCHOR BASE, INTERNAL VIBRATION DAMPENER. PROVIDE STANDARD HANDHOLE LOCATED AT 1'-6" ABOVE POLE BASE.	4"	4"	25'-0"									LITHONIA SSS-25-4G-DM19AS-FDLXX MANUFACTURER OF S6
ALTER S5A	NATE BID #1 SINGLE-HEAD SITE LUMINAIRE, ALUMINUM DIE-CAST HOUSING, PRECISION-MOLDED ACRYLIC LENS, FINISH SELECTION BY OWNER FROM STANDARD FINISHES, U.L. LISTED WET LOCATION. 25'-0" SQUARE STRAIGHT STEEL POLE IN SAME FINISH, ANCHOR BASE, INTERNAL VIBRATION DAMPENER. HEAD: TYPE III MEDIUM DISTRIBUTION.	26"	13"	7"		PL	LED	1	MAX 95 WATT MINIMUM 8,800 LUMENS 4000K 70 CRI	MV		0	LITHONIA D-SERIES DSX0-LED-40C-700-40K-T3M MVOLT-SPA MCGRAW-EDISON GALLEON KIM ALTITUDE GARDCO PUREFORM VISIONAIRE VLX BEACON VIPER
S5A POLE	25'-0" SQUARE STRAIGHT STEEL POLE IN SAME FINISH AS S5A HEAD, 7 GAUGE, 0.1793" WALL THICKNESS, ANCHOR BASE, INTERNAL VIBRATION DAMPENER. PROVIDE STANDARD HANDHOLE LOCATED AT 1'-6" ABOVE POLE BASE.	4"	4"	25'-0"									LITHONIA SSS-25-4G-DM19AS-FDLXX MANUFACTURER OF S5A
	NATE BID #2 LED RETROFIT OF EXISTING DECORATIVE FIXTURE. TYPE V DISTRIBUTION.					EX. PL	LED	1	MAX 80 WATT 5000K	MV		N	HOLOPHANE GRANVILLE GVDRETRO-80-5K-AS-S-U-5



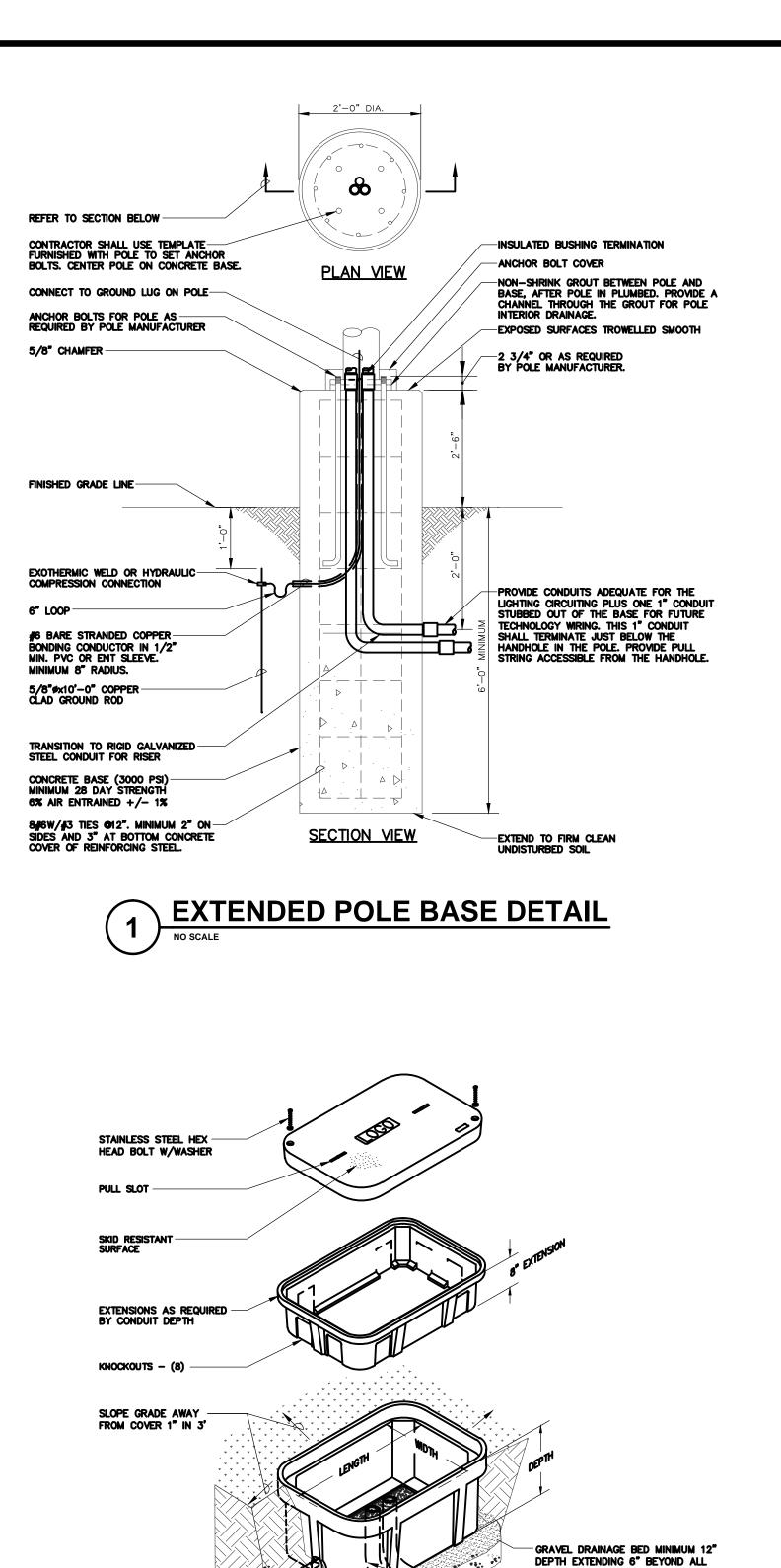
OVED TURER 700-40K-T3M 700-40K-TFTM

700-40K-TFTM 700-40K-TFTM I GALLEON

700-40K-T3M N GALLEON

OF S6 . 700-40K-T3M

I GALLEON DRM 9AS-FDLXX



MOUSEHOLES - (2) 

> **EXTERIOR HANDHOLE DETAIL** 2 NO SCALE NOTES:

EDGES. MINIMUM SIZE GRAVEL 1" (CA5 OR CA7).

- CONDUITS LARGER THAN MOUSEHOLES CAN ACCOMMODATE, SHALL ENTER BOTTOM OF HANDHOLE WITH LONG RADIUS SWEEPS.

1. ALL DIMENSIONS ARE NOMINAL INSIDE CLEARANCES.

2. ALL SPLICES OR DEVICES IN HANDHOLE SHALL BE SUBMERSIBLE.

3. SEAL ALL CONDUIT ENDS WITH DUCTSEAL

ELECTRICAL LIGHTING SYMBOL LIST					
SYMBOL:	DESCRIPTION:				
REFER TO	UMINAIRE SCHEDULE FOR DIMENSIONS AND TYPES				
0	IN-GRADE UPLIGHT				
	EXTERIOR WALL-PACK LUMINAIRE				
8	GROUND MOUNTED FLOOD LUMINAIRE				
•	POLE MOUNTED LUMINAIRE - (1) HEAD				
□-□	POLE MOUNTED LUMINAIRE - (2) HEAD				
	POLE MOUNTED LUMINAIRE - (1) HEAD				

### \* ELECTRICAL POWER SYMBOL LIST SYMBOL: DESCRIPTION:

Ф	GROUND FAULT DUPLEX RECEPTACLE
E	ELECTRICAL CONNECTION, WALL MOUNTED
E	ELECTRICAL CONNECTION, CEILING OR FLOOR MOUNTED
J	JUNCTION BOX, WALL MOUNTED
$\bigcirc$	JUNCTION BOX, CEILING OR FLOOR MOUNTED
	STARTER OR VARIABLE FREQUENCY DRIVE (VFD)
	MANUAL MOTOR STARTER
ю	DISCONNECT SWITCH
塩	COMBINATION STARTER / DISCONNECT
$\boxtimes$	TRANSFORMER
	SURFACE MOUNTED PANELBOARD

## **ELECTRICAL DEMOLITION NOTES:**

- THE ELECTRICAL DRAWINGS INDICATE EXISTING ELECTRICAL ITEMS TO BE REMOVED. THE DRAWINGS ARE INTENDED TO INDICATE THE SCOPE OF WORK REQUIRED AND DO NOT INDICATE EVERY BOX, CONDUIT, OR WIRE THAT MUST BE REMOVED. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMITTING A BID AND VERIFY EXISTING CONDITIONS.
- 2. ELECTRICAL ITEMS (I.e., LIGHTING FIXTURES, RECEPTACLES, SWITCHES, ETC.) REMOVED AND NOT RELOCATED REMAIN THE PROPERTY OF THE OWNER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISPOSAL OF MATERIAL THE OWNER DOES NOT WANT TO REUSE OR RETAIN (i.e., FOR MAINTENANCE PURPOSES).
- THE CONTRACTOR SHALL OBTAIN APPROVAL FROM THE OWNER BEFORE TURNING OFF POWER TO CIRCUITS, FEEDERS, PANELS, ETC. COORDINATE ALL OUTAGES WITH OWNER. CONDUIT CONCEALED UNDER GROUND MAY BE ABANDONED IN PLACE IF NOT AFFECTED BY OTHER CONSTRUCTION. 3.
- 4. EQUIPMENT REMOVAL IN CERTAIN LOCATIONS MAY REQUIRE THE INSTALLATION OF A JUNCTION BOX TO RECONNECT CIRCUITS THAT REMAIN IN OPERATION. EXTEND CONDUIT AND WIRING AS REQUIRED TO MAINTAIN POWER TO REMAINING EQUIPMENT.
- 5. BALLASTS MANUFACTURED PRIOR TO 1980 CONTAIN PCBs AND SHALL BE DISPOSED OF BY A FEDERAL OR STATE E.P.A. APPROVED METHOD AND IN ACCORDANCE WITH SPECIFICATIONS.
- HID AND FLUORESCENT LAMPS CONTAIN MERCURY AND SHALL BE DISPOSED OF BY A FEDERAL OR STATE E.P.A. APPROVED METHOD AND IN ACCORDANCE WITH SPECIFICATIONS. 6.

# **GENERAL ELECTRICAL NOTES:**

1.	"1/300"	INDICATES DETAIL NUMBER/SHEET NUMBER.
2.	##-###	INDICATES ELECTRICAL EQUIPMENT DEFINED IN ELECTRICAL SCHEDULES. REFER TO DRAWINGS CONTAINING ELECTRICAL SCHEDULES. PERMANENT NAMEPLATE SHALL MATCH FINAL EQUIPMENT NOMENCLATURE, NOT ELECTRICAL EQUIPMENT TAG NAME, REFER TO SPECIFICATIONS.
3.	θ	INDICATES KEYED NOTE USED TO DESCRIBE ADDITIONAL INFORMATION OF WORK REQUIRED, SPECIFIC TO THE SHEET AND/OR DETAIL IT IS SHOWN WITH.
4.		ALL ELECTRICAL CONDUCTORS SHALL BE COPPER.
5.		ABBREVIATION KEY: C CONDUIT TYP TYPICAL
6.		LINE TYPE KEY:
		- — — NEW WORK UNDERFLOOR OR UNDERGROUND BY THIS CONTRACTOR (DARK LONG DASHED LINE)
		NEW WORK BY OTHERS AND/OR EXISTING TO REMAIN (LIGHT SOLID LINE)
		EXISTING TO BE REMOVED BY THIS CONTRACTOR (DARK SHORT DASHED LINE)

## **ELECTRICAL INSTALLATION NOTES:**

- 1. COMMON NEUTRALS MAY NOT BE USED FOR BRANCH CIRCUITS. 2. ELECTRICAL EQUIPMENT SHALL BE MOUNTED TO AVOID IMPEDANCE OF OPERATION OF AND/OR ACCESS.
- 3. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL OPENINGS REQUIRED IN WALLS. ALL OPENINGS SHALL BE REPAIRED TO MATCH EXISTING BY A QUALIFIED CONTRACTOR AT THE EXPENSE OF THIS CONTRACTOR. ALL CONDUITS THROUGH WALLS SHALL BE GROUTED OR SEALED INTO OPENINGS.
- 4. CONTRACTOR SHALL REMOVE AND REINSTALL ALL CEILING TILES AS REQUIRED FOR THE EXECUTION OF ELECTRICAL WORK THAT IS INSIDE THE BUILDING. CONTRACTOR SHALL REPLACE CEILING TILES WITH IDENTICAL MATERIAL WHERE DAMAGED BY THIS CONTRACTOR.

The FUTURE. W W The FUTURE. Built SMARTER.® 623 26TH AVENUE QUAD CITIES, IL 61201 309.788.0673 FAX: 309.786.5967 www.kjww.com STRUCTURAL | MECHANICAL | ELECTRICAL TECHNOLOGY | MEDICAL EQUIPMENT SOLUTIONS

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## 26 05 00 BASIC ELECTRICAL REQUIREMENTS

**DISPUTE RESOLUTION / LEGAL HOME PREPARATION (CONTINUED)** ALTHOUGH IT IS THE POLICY AND PRACTICE OF SCOTT COUNTY TO MAINTAIN POSITIVE RELATIONSHIPS WITH ALL VENDORS DOING BUSINESS WITH THE COUNTY, SOMETIMES DISPUTES DO ARISE. SCOTT COUNTY INTENDS TO DO EVERYTHING POSSIBLE TO SATISFACTORILY RESOLVE DISPUTES BEFORE THEY ESCALATE OR HARM THE CONTRACTUAL RELATIONSHIP. THE DESIGN PROFESSIONAL AGREES TO SUBMIT TO THE USE OF ALTERNATIVE DISPUTE RESOLUTION (ADR) TO RESOLVE ANY DISPUTES WITH THE OWNER PRIOR TO THE FILLING OF LITIGATION OR THREATENED LITIGUOUS ACTIONS. PERMITTED LAMP RECYCLER. MEDIATORS OR OTHER ADR PROFESSIONALS SHALL BE SELECTED VIA MUTUAL AGREEMENT. FURTHER, THE DESIGN PROFESSIONAL AGREES THAT, SHOULD ADR FAIL TO REACH A FINAL RESOLUTION THAT ANY LITIGATION REGARDING THIS PROJECT BETWEEN OWNER AND DESIGN PROFESSIONAL SHALL BE CONTESTED IN THE STATE OF IOWA AND INITIATED IN THE COUNTY OF SCOTT. THE DRAWINGS FOR THE ELECTRICAL WORK ARE DIAGRAMMATIC, INTENDED TO CONVEY THE SCOPE OF THE WORK AND TO INDICATE THE GENERAL ARRANGEMENTS AND LOCATIONS OF EQUIPMENT, OUTLETS, ETC., AND THE APPROXIMATE SIZES OF EQUIPMENT. CONTRACTOR SHALL DETERMINE THE EXACT LOCATIONS OF EQUIPMENT AND ROUGH-INS, AND THE EXACT ROUTING OF RACEWAYS SO AS TO BEST FIT THE LAYOUT OF THE JOB. DISPOSAL OF MATERIAL THE OWNER ABANDONS. CONSTRUCTION DRAWINGS FOR THIS PROJECT HAVE BEEN PREPARED UTILIZING AUTOCAD MEP. CONTRACTORS AND SUBCONTRACTORS MAY REQUEST ELECTRONIC MEDIA FILES OF THE CONTRACT DRAWINGS. THE ELECTRONIC CONTRACT DOCUMENTS CAN BE USED FOR PREPARATION OF SHOP DRAWINGS AND AS-BUILT DRAWINGS ONLY. THE **26 05 13 WIRE AND CABLE** INFORMATION MAY NOT BE USED IN WHOLE OR IN PART FOR ANY OTHER PROJECT. VERIFY ALL PERTINENT DIMENSIONS AT THE JOB SITE BEFORE ORDERING ANY CONDUIT, CONDUCTORS, WIREWAYS, BUS UNDERGROUND. DUCT, FITTINGS, ETC. THE DRAWINGS. MINIMUM SIZE #12 AWG. SUBMITTALS SHALL BE REQUIRED WHERE REQUIRED IN THE SPECIFICATIONS OR ON THE DRAWINGS. THE CONTRACTOR SHALL SUBMIT ELECTRONIC COPIES OF EACH SHOP DRAWING FOR REVIEW BY THE ENGINEER BEFORE RELEASING ANY ALUMINUM CONDUCTORS ARE NOT TO BE USED. EQUIPMENT FOR MANUFACTURE OR SHIPMENT. THE CONTRACTOR SHALL THOROUGHLY REVIEW AND APPROVE ALL SHOP DRAWINGS BEFORE SUBMITTING THEM TO THE ENGINEER. CONTRACTOR SHALL CLEARLY MARK ALL DEVIATIONS FROM THE CONTRACT DOCUMENTS ON ALL ARE USED. SUBMITTALS. ASSEMBLE ALL SUBMITTALS IN SETS, SUCH AS PANELBOARDS, FIRE ALARM, LIGHTING, OR MOTOR CONTROL. ALL SETS SHALL BE IDENTICAL AND CONTAIN AN INDEX OF THE ITEMS ENCLOSED WITH A GENERAL TOPIC DESCRIPTION ON THE COVER. WHERE MORE THAN ONE MODEL IS SHOWN ON A MANUFACTURER'S SHEET, CLEARLY INDICATE EXACTLY CONTINUITY OF CIRCUIT IS REQUIRED, AND INSULATED. WHICH ITEM AND WHICH DATA IS RELEVANT TO THE WORK. REFER TO SUBSECTIONS FOR SPECIFIC SUBMITTAL REQUIREMENTS. WARRANTY PROVIDE MINIMUM ONE-YEAR WARRANTY FOR ALL FIXTURES, EQUIPMENT, MATERIALS, AND WORKMANSHIP. REFER TO SUBSECTIONS FOR ADDITIONAL WARRANTY REQUIREMENTS. POTENTIAL. MATERIAL SUBSTITUTION 26 05 26 GROUNDING AND BONDING WHERE SEVERAL MANUFACTURERS' NAMES ARE GIVEN, THE MANUFACTURER FOR WHICH A CATALOG NUMBER IS GIVEN IS THE BASIS OF DESIGN AND ESTABLISHES THE QUALITY REQUIRED. EQUIVALENT EQUIPMENT MANUFACTURED BY THE OTHER NAMED MANUFACTURERS MAY BE USED. CONTRACTOR SHALL ENSURE THAT ALL ITEMS SUBMITTED BY THESE OTHER MANUFACTURERS MEET ALL REQUIREMENTS OF THE DRAWINGS AND SPECIFICATIONS, AND FIT IN THE ALLOCATED SPACE. THE ENGINEER SHALL MAKE THE FINAL DETERMINATION OF WHETHER A PRODUCT IS EQUIVALENT. ANY MATERIAL, ARTICLE, OR EQUIPMENT OF OTHER UNNAMED MANUFACTURERS WHICH WILL ADEQUATELY PERFORM THE SERVICES AND DUTIES IMPOSED BY THE DESIGN AND IS OF A QUALITY EQUAL TO OR BETTER THAN THE EQUIPMENT EQUIPMENT GROUNDING IDENTIFIED BY THE DRAWINGS MAY BE USED IF APPROVAL IS SECURED IN WRITING FROM THE ENGINEER VIA ADDENDUM ALL CONSTRUCTION ACTIVITIES AND SEQUENCE TO BE COORDINATED WITH THE OWNER BEFORE CONSTRUCTION BEGINS. THE WORK IN THE PARKING LOTS MUST BE PERFORMED IN SECTIONS SO THAT AT NO POINT THE ENTIRE LOT IS GROUNDING ELECTRODES WITHOUT LIGHTING AT ANY ONE TIME. THE WORK IN EACH SECTION SHALL BE COMPLETE AND OPERATIONAL BEFORE MOVING ON TO THE NEXT SECTION. THE CONSTRUCTION WORK WILL BE LIMITED TO A SPECIFIC AREA OF THE PARKING LOT AT ANY ONE TIME. THE FACILITY WILL REMAIN OPERATIONAL THROUGHOUT THE DURATION OF THE CONTRACT AND THE LOT MUST REMAIN ACCESSIBLE. CONTRACTOR TO MINIMIZE DOWNTIME OF ELECTRICAL CIRCUITS AND PANELS. ALL SHUT DOWNS TO BE COORDINATED A 26 05 33 CONDUIT MINIMUM OF 48 HOURS IN ADVANCE. CONTRACTOR'S USE OF THE PREMISES THE CONTRACTOR WILL BE ALLOWED TO PARK A MAXIMUM OF THREE VEHICLES IN THE PARKING LOT AT ANY ONE TIME. ONE ADDITIONAL SPACE WILL BE ALLOWED FOR A STORAGE TRAILER. PROJECT CLOSEOUT SUBMIT THE FOLLOWING: OPERATION AND MAINTENANCE MANUALS INCLUDING BOUND COPIES OF APPROVED SHOP DRAWINGS, AND RECORD DOCUMENTS. OPERATION AND MAINTENANCE INSTRUCTIONS OPERATION AND MAINTENANCE DATA SHALL CONSIST OF WRITTEN INSTRUCTIONS FOR THE CARE, MAINTENANCE, AND OPERATION OF THE EQUIPMENT AND SYSTEMS. INSTRUCTION BOOKS, CARDS, AND MANUALS FURNISHED WITH THE EQUIPMENT SHALL BE INCLUDED. PROVIDE BOUND MANUALS WITH COPIES OF APPROVED SHOP DRAWINGS WITH TITLE PAGE AND INDEX SYSTEM SIMILAR TO OPERATION AND MAINTENANCE MANUAL. RECORD DOCUMENTS MAINTAIN AT THE JOB SITE A SEPARATE AND COMPLETE SET OF ELECTRICAL DRAWINGS AND SPECIFICATIONS WITH ALL CHANGES MADE TO THE SYSTEMS CLEARLY AND PERMANENTLY MARKED IN COMPLETE DETAIL. MARK DRAWINGS TO 26 05 53 ELECTRICAL IDENTIFICATION INDICATE APPROVED SUBSTITUTIONS, CHANGE ORDERS, AND ACTUAL EQUIPMENT AND MATERIALS USED. <u>ALL CHANGE</u> ORDERS, RFI RESPONSES, CLARIFICATIONS, AND OTHER SUPPLEMENTAL INSTRUCTIONS SHALL BE MARKED ON THE DOCUMENTS. RECORD DOCUMENTS THAT MERELY REFERENCE THE EXISTENCE OF THE ABOVE ITEMS ARE NOT THICK ACCEPTABLE. RECORD CHANGES DAILY AND KEEP THE MARKED DRAWINGS AVAILABLE FOR THE ENGINEER'S EXAMINATION AT ANY NORMAL WORK TIME. AT 6 TO 8 INCHES BELOW GRADE. UPON COMPLETING THE JOB AND BEFORE FINAL PAYMENT IS MADE, PROVIDE REPRODUCIBLE DRAWINGS COMPLETED IN AUTOCAD TO THE ENGINEER. CONDUCTORS SHALL BE COLOR CODED AS FOLLOWS: 208Y/120 VOLT, 4 WIRE: THOROUGHLY CLEAN ALL EQUIPMENT AND SYSTEMS PRIOR TO THE OWNER'S FINAL ACCEPTANCE OF THE PROJECT. A PHASE - BLACK CLEAN ALL FOREIGN PAINT, GREASE, OIL, DIRT, LABELS, STICKERS, ETC. FROM ALL EQUIPMENT. REMOVE ALL RUBBISH, B PHASE - RED DEBRIS, ETC., ACCUMULATED DURING CONSTRUCTION FROM THE PREMISES. C\_PHASE - BLUE NEUTRAL - WHITE UTILITY REBATE GROUND BOND - GREEN SUBMIT UTILITY REBATE FORMS, WHERE OFFERED AT PROJECT LOCATION, WITH REBATE ITEMS COMPLETED. A. INSURANCE COVERAGE REQUIRED: a. WORKERS COMPENSATION AND EMPLOYER'S LIABILITY: COVERAGE A - STATE OF IOWA STATUTORY BENEFITS. CONTRACTOR MUST SUBMIT NOTIFICATION OF ANY VALUE ENGINEERING OR PRODUCT SUBSTITUTION THAT WILL AFFECT 480Y/277 VOLT, 4\_WIRE: THE UTILITY REBATE AMOUNT PRIOR TO APPROVAL. COVERAGE B - \$500,000 EACH ACCIDENT; \$500,000 DISEASE EACH EMPLOYEE, AND \$500,000 DISEASE POLICY A PHASE - BROWN B PHASE - ORANGE I IMIT b. COMMERCIAL GENERAL LIABILITY (ISO 1998 OR LATER/EQUIVALENT FORM) COVERING ALL WORK AND C\_PHASE - YELLOW **26 05 05 ELECTRICAL DEMOLITION FOR REMODELING** OPERATIONS UNDER THE AGREEMENT WITH LIMITS OF NO LESS THAN \$1,000,000 PER OCCURRENCE AND NEUTRAL - GRAY GROUND BOND - GREEN \$2,000,000 IN THE AGGREGATE THE DRAWINGS ARE INTENDED TO INDICATE THE SCOPE OF WORK REQUIRED AND DO NOT INDICATE EVERY BOX. c. AUTOMOBILE LIABILITY OF NO LESS THAN \$1,000,000 EACH ACCIDENT AND ANNUAL AGGREGATE, COVERING CONDUIT, OR WIRE THAT MUST BE REMOVED. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMITTING A BID AND 26 51 00 LIGHTING OWNED, LEASED, HIRED, NON-OWNED, AND EMPLOYEE NON-OWNED VEHICLES. VERIFY EXISTING CONDITIONS. d. PROFESSIONAL LIABILITY OF NO LESS THAN \$1,000,000 EACH OCCURRENCE AND \$2,000,000 ANNUAL AGGREGATE. COVERAGE SHOULD BE ON A CLAIMS MADE BASIS. VERIFY THAT ABANDONED WIRING AND EQUIPMENT SERVE ONLY ABANDONED EQUIPMENT OR FACILITIES. EXTEND e. UMBRELLA LIABILITY OF NO LESS THAN \$1,000,000 PER OCCURRENCE PROVIDING EXCESS OF THE GENERAL CONDUIT AND WIRE TO FACILITIES AND EQUIPMENT THAT WILL REMAIN IN OPERATION FOLLOWING DEMOLITION. LIABILITY, AUTOMOBILE LIABILITY AND EMPLOYERS LIABILITY. EXTENSION OF CONDUIT AND WIRE TO EQUIPMENT SHALL BE COMPATIBLE WITH THE SURROUNDING AREA. EXTENDED LUMINAIRE'S PRODUCT DATA. B. THE ABOVE LIABILITY INSURANCE POLICIES, WITH THE EXCEPTION OF PROFESSIONAL AND WORKERS CONDUIT AND CONDUCTORS SHALL MATCH EXISTING SIZE AND MATERIAL. COMPENSATION COVERAGE, SHALL NAME TWO ENTITIES: SCOTT COUNTY AND THE SCOTT COUNTY BOARD OF SUPERVISORS AS ADDITIONAL INSUREDS. COORDINATE SCOPE OF WORK WITH THE OWNER AT THE PROJECT SITE. SCHEDULE REMOVAL OF EQUIPMENT AND C. THE DESIGN PROFESSIONAL SHALL WAIVE SUBROGATION RIGHTS AGAINST SCOTT COUNTY AND THE SCOTT ELECTRICAL SERVICE TO AVOID CONFLICTS. COUNTY BOARD OF SUPERVISOR FOR ANY CLAIM PAID OR PAYABLE BY ANY OF THE ABOVE-REQUIRED INSURANCE POLICIES. BID SUBMITTAL SHALL MEAN THE CONTRACTOR HAS VISITED THE PROJECT SITE AND HAS VERIFIED EXISTING CONDITIONS D. NEITHER THE OWNER, NOR ANY ADDITIONAL INSURED REQUIRED TO BE SO NAMED UNDER THIS AGREEMENT AND SCOPE OF WORK. SHALL PARTICIPATE IN ANY POLICY DEDUCTIBLE OR RETENTION FOR CLAIMS. ANY SUCH DEDUCTIBLE OR RETENTION SHALL BE THE SOLE RESPONSIBILITY OF THE DESIGN PROFESSIONAL. PREPARATION E. CERTIFICATE HOLDER ADDRESS SHALL BE AS FOLLOWS: PROVIDE TEMPORARY WIRING AND CONNECTIONS TO MAINTAIN EXISTING SYSTEMS IN SERVICE DURING CONSTRUCTION. COVER. WHEN WORK MUST BE PERFORMED ON ENERGIZED EQUIPMENT OR CIRCUITS, USE PERSONNEL EXPERIENCED IN SUCH

<u>SCOPE OF WORK</u> THE CONTRACTOR SHALL FURNISH AND INSTALL ALL NEW MATERIALS AS INDICATED ON THE DRAWINGS, AND/OR IN THE FORM OF CONTRACT FOR THIS ELECTRICAL CONSTRUCTION WORK SHALL BE A STANDARD AIA CONTRACT, THE DESIGN PROFESSIONAL AND ALL PROFESSIONAL CONSULTANTS SHALL MAINTAIN INSURANCE FOR THE DURATION

THESE SPECIFICATIONS, AND ALL ITEMS REQUIRED TO MAKE HIS PORTION OF THE ELECTRICAL WORK A FINISHED AND WORKING SYSTEM. TELECOMMUNICATIONS CABLING WILL BE BY OTHERS, IN RACEWAYS AND CONDUITS FURNISHED AND INSTALLED AS PART OF THE ELECTRICAL WORK. ALL WORK THAT WILL PRODUCE EXCESSIVE NOISE OR INTERFERENCE WITH NORMAL BUILDING OPERATIONS. AS DETERMINED BY THE OWNER, SHALL BE SCHEDULED WITH THE OWNER. IT MAY BE NECESSARY TO SCHEDULE SUCH WORK DURING UNOCCUPIED HOURS. CODES AND STANDARDS CONFORM TO ALL REQUIREMENTS OF THE CITY OF DAVENPORT, IOWA CODES, LAWS, ORDINANCES, AND OTHER REGULATIONS HAVING JURISDICTION OVER THIS INSTALLATION. IF THE CONTRACTOR NOTES AT THE TIME OF BIDDING THAT ANY PARTS OF THE DRAWINGS OR SPECIFICATIONS DO NOT COMPLY WITH THE CODES OR REGULATIONS, HE SHALL INFORM THE ENGINEER IN WRITING, REQUESTING A CLARIFICATION. CONTRACTOR SHALL SUBMIT A SINGLE LUMP SUM BID TO INCLUDE THE ENTIRE SCOPE OF WORK. BIDDER SHALL STATE ON THEIR BID SUBMITTAL THE TIME IN CALENDAR DAYS, FROM THE DATE OF "NOTICE OF AWARD" BIDDER GUARANTEES COMPLETION OF THE PROJECT. SEALED BIDS WILL BE RECEIVED BY SCOTT COUNTY FOR ALL WORK INCLUDED IN THESE DOCUMENTS UNTIL 10:00 A.M. LOCAL TIME ON MAY 27, 2015, AT THE OFFICE OF TAMMY SPEIDEL AT THE SCOTT COUNTY ADMINISTRATION CENTER LOCATED AT 600 WEST FOURTH STREET, DAVENPORT, IOWA, 52801 AND WILL BE PUBLICLY OPENED AND READ ALOUD AT THAT TIME. A PRE-BID MEETING WILL BE SCHEDULED ON MAY 18, 2015 AT 9:30 A.M. LOCAL TIME AT THE SCOTT COUNTY ADMINISTRATION CENTER LOCATED AT 600 WEST FOURTH STREET, DAVENPORT, IOWA, 52801, IN CONFERENCE ROOM 605 ON THE SIXTH FLOOR. REPRESENTATIVES OF ALL BIDDING FIRMS ARE REQUESTED TO ATTEND AND PRESENT ANY QUESTIONS THEY MAY HAVE. THE LAST DAY FOR QUESTIONS ON THIS PROJECT WILL BE MAY 21, 2015 WITH THE LAST AND FINAL ADDENDUM ISSUE BY MAY 22, 2015. THE OWNER RESERVES THE RIGHT TO WAIVE ANY IRREGULARITIES AND/OR REJECT ANY OR ALL BIDS WHEN, IN THE OPINION OF THE OWNER, SUCH ACTION WILL SERVE THE BEST INTERESTS OF THE OWNER. COMMENCEMENT OF THE WORK WILL BE AT THE OWNER'S DISCRETION. BIDS SHALL BE ACCOMPANIED BY A BID SECURITY OF AT LEAST 5% OF THE TOTAL AMOUNT OF THE BASE BID AND ALL ADDITIVE ALTERNATE BIDS. THIS MAY BE IN THE FORM OF A CERTIFIED CHECK, CASHIER'S CHECK, BANK DRAFT, OR BID BOND FROM A BONDING COMPANY WITH A BEST RATING OF "B" OR BETTER, PAYABLE TO THE OWNER AS A GUARANTEE THAT THE BIDDER WILL ENTER INTO A CONTRACT WITH THE OWNER AND WILL FURNISH THE PROPER PERFORMANCE AND AND PERFORMANCE AND PAYMENT BOND, UPON THE EXECUTION OF THE CONTRACT BY THE OWNER, THE BID SECURITY WILL BE RETURNED TO ALL BIDDERS. IF HE FAILS TO FILE SUCH CONTRACT AND PERFORMANCE AND PAYMENT BOND, THE AMOUNT OF THE BID SECURITY WILL BE FORFEITED TO THE OWNER AS LIQUIDATED DAMAGES. A PERFORMANCE BOND IN THE AMOUNT EQUAL TO 100% OF THE CONTRACT PRICE WILL BE REQUIRED FOR THIS PROJECT. THE COST FOR THIS PERFORMANCE BOND SHALL BE INCLUDED IN THE BID. A LABOR AND MATERIAL PAYMENT BOND IN AN AMOUNT EQUAL TO 100% OF THE FULL AMOUNT OF THE CONTRACT SUM AS SECURITY FOR PAYMENT OF ALL PERSONS PERFORMING LABOR AND FURNISHING MATERIALS IN CONNECTION WITH THE CONTRACT DOCUMENTS SHALL BE REQUIRED FOR THIS PROJECT. THE COST OF THIS LABOR AND MATERIAL PAYMENT BOND SHALL BE INCLUDED IN THE BID. THE GENERAL PREVAILING RATE OF WAGES IN THE LOCALITY IN WHICH THE WORK IS PERFORMED FOR EACH CRAFT OR TYPE OF WORKERS OR MECHANIC NEEDED TO EXECUTE THE CONTRACT WILL ADHERE TO ALL FEDERAL LAWS AND LAWS OF THE STATE, AND TO ALL LOCAL ORDINANCES AND REGULATIONS APPLICABLE TO THE WORK HEREUNDER, AND HAVING FORCE OF LAW. SUBMISSION OF A BID WILL BE CONSTRUED AS EVIDENCE THAT A COMPLETE SITE EXAMINATION HAS BEEN MADE, AND LATER CLAIMS FOR LABOR, MATERIALS, OR EQUIPMENT REQUIRED OR FOR DIFFICULTIES ENCOUNTERED, WHICH COULD HAVE BEEN FORESEEN HAD SUCH AN EXAMINATION BEEN MADE, WILL NOT BE ACCEPTABLE. THE BIDDER REPRESENTS THAT THE BID IS BASED UPON THE MATERIALS, EQUIPMENT, AND MANUFACTURERS DESCRIBED IN THE BIDDING DOCUMENTS. NO BID MAY BE WITHDRAWN FOR A PERIOD OF THIRTY (30) DAYS AFTER THE OPENING OF BIDS WITHOUT WRITTEN CONSENT OF THE OWNER. PERMITS AND FEES PROCURE ALL APPLICABLE PERMITS AND LICENSES. ABIDE BY LOCAL AND STATE LAWS, REGULATIONS, AND ORDINANCES. PAY ALL CHARGES FOR PERMITS OR LICENSES. PAY ALL FEES IMPOSED BY STATE, MUNICIPAL, AND OTHER REGULATORY BODIES. PAY ALL CHARGES ARISING OUT OF REQUIRED INSPECTIONS BY AN AUTHORIZED BODY. PAY ALL CHARGES ARISING OUT OF REQUIRED CONTRACT DOCUMENT REVIEWS ASSOCIATED WITH THE PROJECT AND AS INITIATED BY THE OWNER OR AUTHORIZED AGENCY/CONSULTANT. THIS PROJECT FOR SCOTT COUNTY IS TAX EXEMPT. ALL REQUIRED CERTIFICATES WILL BE PROVIDED WHERE APPLICABLE, ALL FIXTURES, EQUIPMENT AND MATERIALS SHALL BE LISTED BY UNDERWRITER'S LABORATORIES, INC. OR A NATIONALLY RECOGNIZED TESTING ORGANIZATION. FORM OF CONTRACT PROVIDED BY THE DESIGN PROFESSIONAL WITH THE SPECIFIC TERMS, PROVISIONS AND SCOPE OF WORK MUTUALLY AGREED BY SCOTT COUNTY AND THE DESIGN PROFESSIONAL. CONTRACT SHALL STIPULATE A FIRM, FIXED FEE COST FOR DESIGN BASED UPON THE CONTRACT DOCUMENTS OUTLINED HEREIN, ANY SITE VISITS AND DOCUMENTED DISCUSSIONS WITH THE OWNER AND DESIGN PROFESSIONAL. BY SUBMITTING PROPOSAL FOR THIS PROJECT. THE CONTRACTOR EXPLICITLY AGREES TO THE INCLUSION OF THE TERMS IN THE SECTIONS FOLLOWING, INSURANCE REQUIREMENTS AND DISPUTE RESOLUTION / LEGAL HOME **IINSURANCE REQUIREMENTS** OF THE PROJECT OR STATUTE OF LIMITATIONS IN EFFECT AT THE TIME OF THE EXECUTION OF THIS AGREEMENT, WHICHEVER IS LONGER IN SUCH AMOUNTS AND TYPES AS REQUIRED BELOW. THE INSURANCE REQUIRED SHALL BE OBTAINED FROM A COMPANY(IES) LICENSED TO DO BUSINESS IN THE STATE OF IOWA AND HOLD A CURRENT FINANCIAL RATING FROM A. M. BEST OF NO LESS THAT A-, FINANCIAL SIZE VII. THE REQUIRED MINIMUM LIABILITY LIMITS MAY BE MET THROUGH EITHER THE PRIMARY POLICY(IES), OR A COMBINATION OF PRIMARY AND EXCESS OR UMBRELLA POLICIES.

**ELECTRICAL SPECIFICATIONS:** PAYMENT BOND WITHIN THE TIME LIMIT ESTABLISHED BY THE OWNER. IF THE SUCCESSFUL BIDDER FILES THE CONTRACT

OTHERWISE ON DRAWINGS.

SHALL NOT BE ALLOWED.

OPERATIONS. ASSUME ALL EQUIPMENT AND SYSTEMS MUST REMAIN OPERATIONAL UNLESS SPECIFICALLY NOTED

REMOVE ABANDONED WIRING AND RACEWAY TO SOURCE OF SUPPLY. EXISTING CONDUIT IN GOOD CONDITION MAY BE

REUSED IN PLACE BY INCLUDING AN EQUIPMENT GROUND CONDUCTOR IN REUSED CONDUIT. RELOCATING CONDUIT

SCOTT COUNTY BOARD OF SUPERVISORS FACILITY AND SUPPORT SERVICES ATTN: TAMMY SPEIDEL 600 W. 4TH ST.

DAVENPORT, IA 52801

DISCONNECT AND REMOVE ABANDONED LUMINAIRES. REMOVE POLES, BRACKETS, STEMS, HANGERS, AND OTHER ACCESSORIES. BALLASTS IN LIGHT FIXTURES INSTALLED PRIOR TO 1980 SHALL BE INCINERATED IN EPA-APPROVED INCINERATOR OR DISPOSED OF IN EPA-CERTIFIED CONTAINERS AND DEPOSITED IN AN EPA LANDFILL CERTIFIED FOR PCB DISPOSAL OR RECYCLED BY PERMITTED BALLAST RECYCLER.

HID AND FLUORESCENT LAMPS DETERMINED BY THE TOXICITY CHARACTERISTIC LEACHATE PROCEDURE (TCLP) TO BE HAZARDOUS WASTE SHALL BE DISPOSED OF IN AN EPA-PERMITTED HAZARDOUS WASTE DISPOSAL FACILITY OR BY A

REPAIR ADJACENT CONSTRUCTION AND FINISHES DAMAGED DURING DEMOLITION AND EXTENSION WORK. PATCH OPENINGS TO MATCH EXISTING SURROUNDING FINISHES. MAINTAIN ACCESS TO EXISTING ELECTRICAL INSTALLATIONS THAT REMAIN ACTIVE. MODIFY INSTALLATION OR PROVIDE JUNCTION BOXES AS APPROPRIATE.EXTEND EXISTING INSTALLATIONS USING MATERIALS AND METHODS COMPATIBLE WITH EXISTING ELECTRICAL INSTALLATIONS.

THIS CONTRACTOR IS RESPONSIBLE FOR ALL COSTS INCURRED IN REPAIR. RELOCATIONS, OR REPLACEMENT OF ANY CABLES, CONDUITS, OR OTHER SERVICES IF DAMAGED WITHOUT PROPER INVESTIGATION.

CLEAN AND REPAIR EXISTING MATERIALS AND EQUIPMENT THAT REMAIN OR ARE TO BE REUSED.

ELECTRICAL ITEMS REMOVED REMAIN THE PROPERTY OF THE OWNER. CONTRACTOR SHALL PLACE ITEMS RETAINED BY THE OWNER IN A LOCATION COORDINATED WITH THE OWNER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE

FEEDERS AND BRANCH CIRCUITS LARGER THAN 6 AWG SHALL BE COPPER, STRANDED, 600 VOLT INSULATION, THHN.

FEEDERS AND BRANCH CIRCUITS 6 AWG AND SMALLER: COPPER, SOLID , 600 VOLT INSULATION, THHN/THWN. NOTED ON

THE CONTRACTOR SHALL BE RESPONSIBLE FOR DERATING AND SIZING CONDUCTORS AND CONDUITS TO EQUAL OR EXCEED THE AMPACITY OF NEC TABLE B.310.15(B)(2)(7), IF METHODS OR MATERIALS OTHER THAN THE BASIS OF DESIGN

ALL WIRES IN OUTLET BOXES NOT CONNECTED TO FIXTURES OR OTHER DEVICES SHALL BE ROLLED UP, SPLICED IF

USE SOLDERLESS, TIN-PLATED COPPER LUGS APPLIED WITH CIRCUMFERENTIAL CRIMP FOR COPPER TERMINATIONS #8 AWG AND LARGER. USE INDENTER CRIMP #10 AWG AND SMALLER.

TEST WIRE AND CABLE INSULATION WITH DEVICE SUCH AS A "MEGGER", USING NOT LESS THAN 500 VOLTS D.C. TEST

COMPLY WITH UL 467 GROUNDING AND BONDING EQUIPMENT.

CONDUCTORS SHALL BE COPPER IN ACCORDANCE WITH 26 05 13.

CONNECTORS SHALL BE HYDRAULIC COMPRESSION TYPE

INSTALL EQUIPMENT GROUNDING CONDUCTORS IN ALL FEEDERS AND CIRCUITS. EQUIPMENT GROUNDING CONDUCTORS: INSULATED WITH GREEN-COLORED INSULATION.

GROUNDING ELECTRODE CONDUCTORS SHALL BE STRANDED CABLE. GROUNDING CONDUCTORS UNDERGROUND SHALL BE BARE, TINNED, STRANDED.

GROUND RODS SHALL BE COPPER-CLAD STEEL, 3/4" IN DIAMETER 10' LENGTH

ACCEPTABLE CONDUIT MANUFACTURERS: ALLIED, LTV, STEELDUCT, WHEATLAND TUBE CO, O-Z GEDNEY ACCEPTABLE FITTINGS MANUFACTURERS: APPLETON ELECTRIC, O-Z GEDNEY, ELECTROLINE, RACO, BRIDGEPORT, MIDWEST, REGAL, THOMAS & BETTS, CROUSE-HINDS, KILLARK

POLYVINYL CHLORIDE (PVC), SCHEDULE 40, SHALL BE USED UNDERGROUND.

CONDUIT AND CONDUCTOR SIZING SHALL BE COORDINATED TO LIMIT CONDUCTOR FILL TO LESS THAN 40%, MAINTAIN CONDUCTOR AMPERE CAPACITY AS REQUIRED BY THE NATIONAL ELECTRICAL CODE.

CONDUIT SHALL NOT CONTAIN MORE FOUR (4) QUARTER BENDS (360°) BETWEEN PULL BOX POINTS. TELECOMMUNICATIONS CONDUITS SHALL HAVE NO MORE THAN TWO (2) 90° BENDS BETWEEN PULL BOX POINTS AND CONTAIN NO CONTINUOUS SECTIONS LONGER THAN 100 FEET.

ALL CONDUITS THROUGH WALLS SHALL BE GROUTED OR SEALED INTO OPENINGS.

PROVIDE A POLYPROPYLENE PULL CORD WITH 2000 LBS. TENSILE STRENGTH IN EACH EMPTY CONDUIT.

UNDERGROUND PLASTIC MARKERS: BRIGHT COLORED CONTINUOUSLY PRINTED PLASTIC RIBBON TAPE, 6" WIDE BY 4 MILS

UNDERGROUND ELECTRICAL LINES: CONTINUOUS UNDERGROUND PLASTIC LINE MARKER LOCATED DIRECTLY ABOVE LINE

SUBMIT SHOP DRAWINGS INCLUDING PRODUCT DATA SHEETS FOR LUMINAIRES. DRIVERS. AND POLES. INCLUDE COMPLETE PRODUCT MODEL NUMBER WITH ALL OPTIONS AS SPECIFIED. SUBMITTAL SHALL BE ARRANGED WITH FIXTURES LISTED IN ASCENDING ORDER, AND WITH EACH LUMINAIRE'S ASSOCIATED DRIVER, OR POLE INFORMATION FOLLOWING

LED LUMINAIRE SUBMITTALS SHALL INCLUDE PHOTOMETRIC REPORT PER IESNA LM-79-08 FOR THE LATEST GENERATION SYSTEM BEING FURNISHED, INCLUDING INDEPENDENT TESTING LABORATORY REPORT. REFER TO LUMINIAIRE SCHEDULE ON DRAWINGS FOR ADDITIONAL INFORMATION.

LIGHTING POLES FOR THIS PROJECT SHALL BE METAL, SQUARE, STRAIGHT, STEEL, ANCHOR BASE. WIND LOAD: 90 MPH VELOCITY, WITH 1.3 GUST FACTOR, PROVIDE ALL POLES WITH 2 X 4 HAND HOLE WITH REMOVABLE WEATHERPROOF

ENGINEERING CONSULTANTS

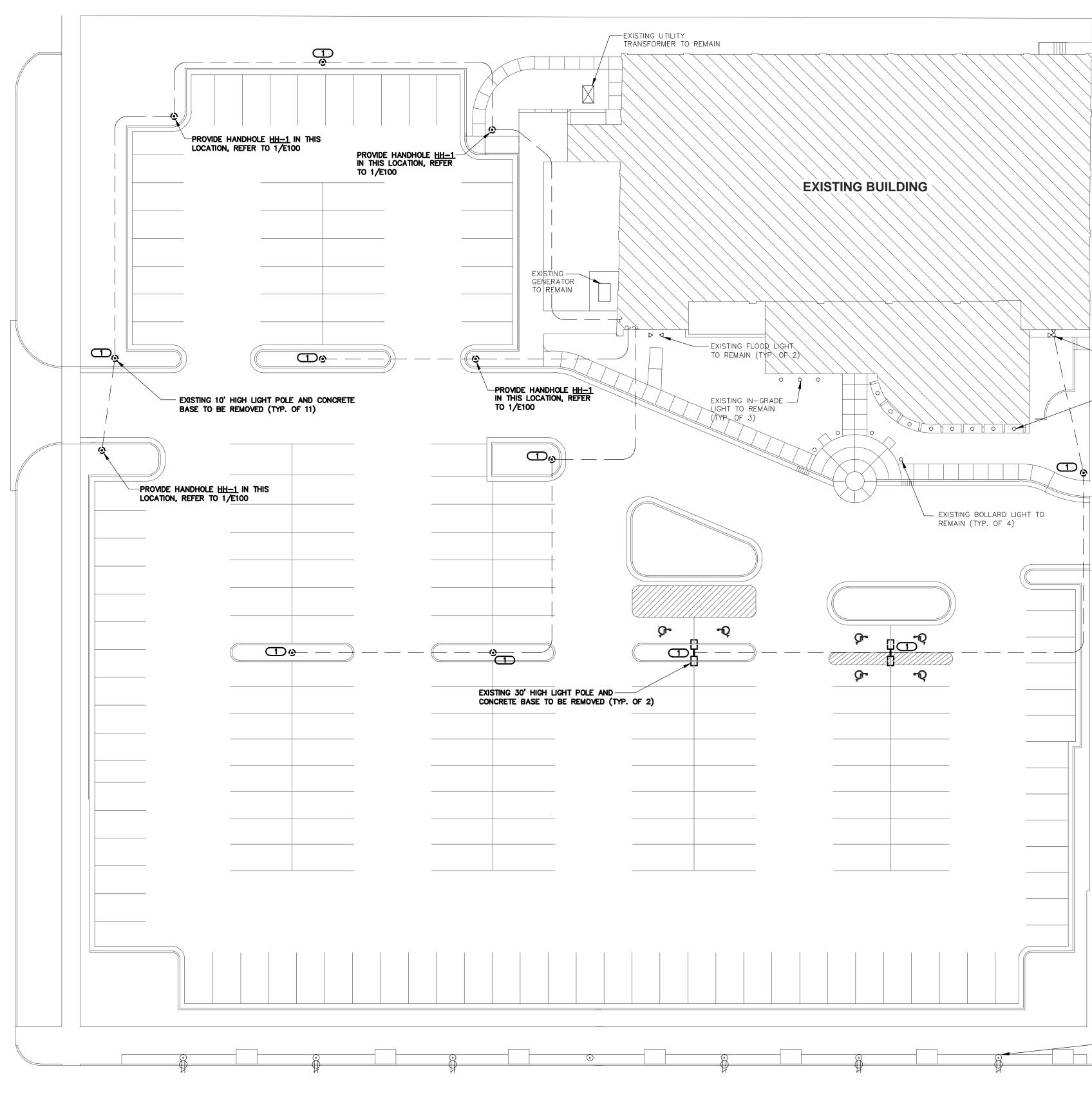
www.kiww.com STRUCTURAL | MECHANICAL | ELECTRICAL **TECHNOLOGY | MEDICAL EQUIPMENT SOLUTIONS** 

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N#15.0122.00 SCOTT COUNTY ADMINISTRATION BUILDING - EXTERIOR LIGHTING UPGRADES



# SITE PLAN - ELECTRICAL DEMOLITION SCALE: 1"=20'-0"

	<ul> <li>GENERAL NOTES</li> <li>1. REFER TO E000 FOR DEMOLITION NOTES, GENERAL NOTES, AND SCHEDULES.</li> <li>2. REFER TO E001 FOR ELECTRICAL SPECIFICATIONS.</li> <li>3. COORDINATE ALL CONSTRUCTION ACTIVITIES AND SEQUENCE WITH OWNER</li> <li>4. EXISTING UNDERGROUND PATHWAY LOCATIONS SHOWN ON THIS DRAWING ARE DERIVED FROM EXISTING DRAWINGS AND HAVE NOT BEEN FIELD VERIFIED. CONTRACTOR TO MAKE ALL NECESSARY ADJUSTMENTS OR PROVIDE ADDITIONAL HANDHOLES IN ORDER TO ENSURE CIRCUIT CONTINUITY TO ALL FIXTURE LOCATIONS BEING REUSED.</li> <li>1. EXISTING POLE LOCATION TO BE REUSED. SAVE ALL CIRCUIT WIRING AND CONDUIT</li> </ul>	KJENGINEERINGWWIne FUTURE. Built SMARTER.*23 26 TH AVENUE QUAD CITIES, IL 61201 309.788.0673 FAX: 309.786.5967 www.kjww.comSTRUCTURAL   MECHANICAL   ELECTRICAL TECHNOLOGY   MEDICAL EQUIPMENT SOLUTIONS
EXISTING POLE LIGHT WITH TWO FLOOD LIGHTS TO REMAIN EXISTING IN-GRADE LIGHT TO REMAIN (TYP. OF 8)	FOR EXTENSION INTO NEW POLE BASE. REFER TO E100 FOR MORE INFORMATION.	SCOTT COUNTY ADMINISTRATION BUILDING EXTERIOR LIGHTING UPGRADE DAVENPORT, IOWA
EXISTING DECORATIVE LIGHT. POLE TO REMAIN AND BE RETROFITTED WITH NEW LAMPING, REFER TO E100 (TYP. OF 7)		NO. DATE REVISION DESCRIPTION KJWW ENGINEERING RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. SAD DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF KJWW ENGINEERING AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF KJWW ENGINEERING. © 2015 KJWW, P.C. Illinois Design Firm Registration #184-000973 REFERENCE SCALE IN INCHES 0 1 2 DESIGNED BY DRAWN BY CHECKED BY MATSNY BRIMCQ LEEVAN PROJECT NUMBER 15.0122.00 DATE SHEET DESCRIPTION SITE PLAN - ELECTRICAL DEMOLITION

SHEET NUMBER

ED100

