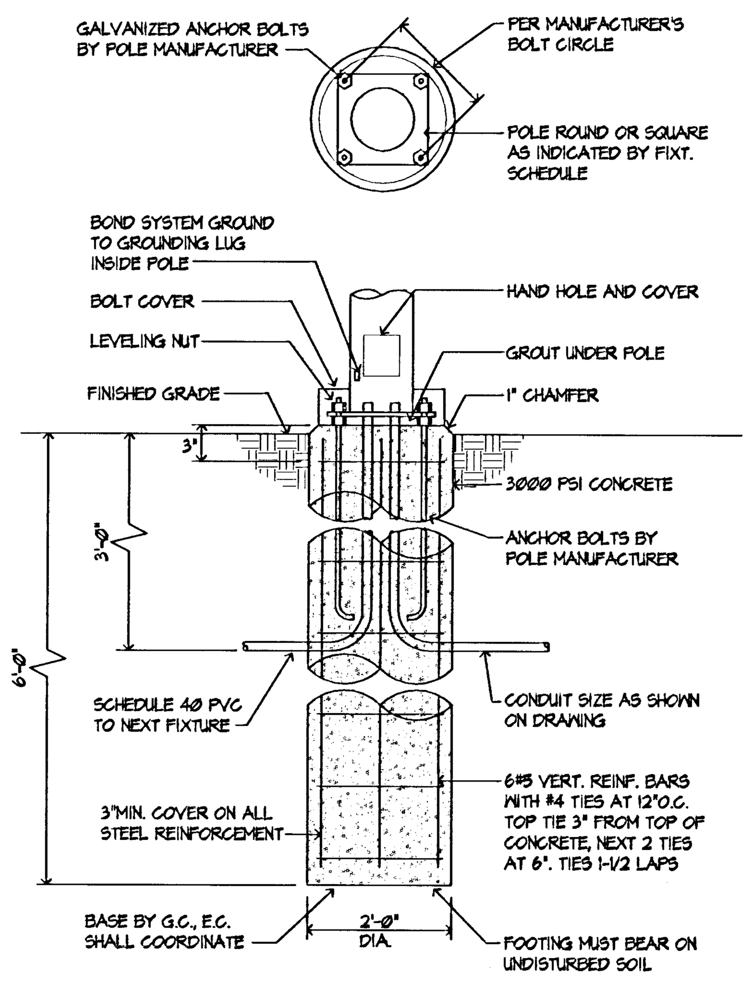
BRANCH CIRCUIT PANEL SUMMARY

SVA

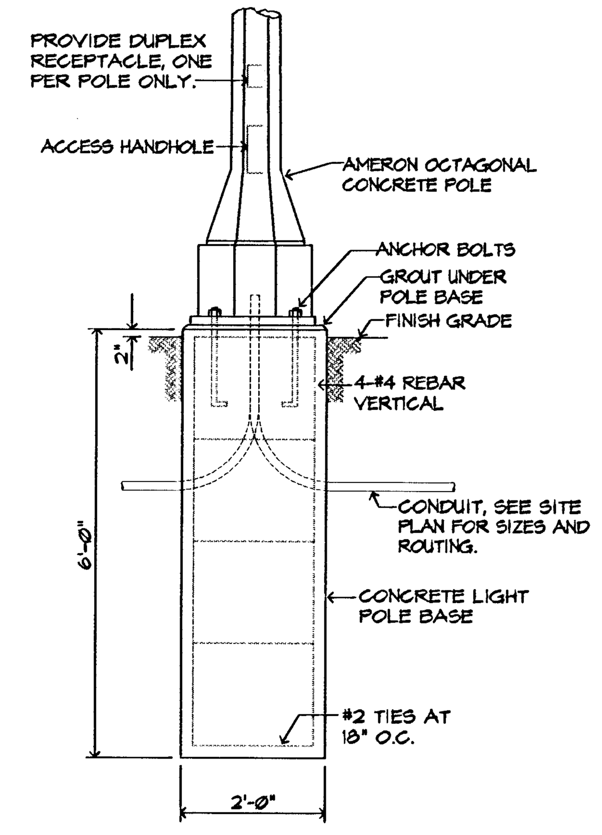
PANEL DESIG.	120/208V 3Ø,4W.	277/480V 3Ø,4W.	NEMA 3R	MAINS RATING (AMPS) MLO	BKR	MOUNTING S	F	STATUS	20/1	20/2	45/3	40/3	20/2	175/3	1P SPACE	SUPPLY DEVICE RATING (SW./FUSE)	CIRCUIT NUMBER	FEEDER IDENT. ⬡
H1		●	●		200	●		ACTIVE	--	2	1	--	--	--	26	200/3 CB	MDP (1)	7
								SPARE	5	3	--	--	--	--	--			
L1	●		●		100	●		ACTIVE	13	--	--	--	--	--	7	TRANS	H1-1	6
								SPARE	10	--	--	--	--	--	--			
B	●		●		100	●		ACTIVE	24	--	--	--	--	--	10	TRANS	H	6
								SPARE	6	--	--	--	--	--	--			

(1) CONNECT TO SPARE 200/3 BREAKER IN EXISTING PANEL.



LIGHT FIXTURE A & B POLE BASE DETAIL

N.T.S., CONTRACTOR OPTION TO USE FACTORY MADE AND SIZED "SCEW-IN" POLE BASES FOR THESE LIGHT FIXTURES. CONTRACTOR TO VERIFY ALL REQUIREMENTS.



LIGHT FIXTURE C POLE BASE DETAIL

SCALE: 1/2" = 1' - 0"

LIGHT FIXTURE SCHEDULE

SVA

FIXT LTR	MANUFACTURER	CATALOG NUMBER	LAMPS NO.	LAMPS TYPE	FIXT. VOLT.	FINISH	MOUNTING	REMARKS
A	SUN VALLEY LIGHTING	(2) OVI-PG-SM-FG/XBC-2-180 (6)	2	175 MH	277V.	BLACK	5" DIA. POLE	#5040 POLE & #4300 BASE
B	MCGRAW	CREDENZA (7)	1	400 MH	277V.	BLACK	30' POLE	
C	SUN VALLEY LIGHTING	(2) OVI-PG-SM-FG/XBC-2-180 (5)	2	175 MH	277V.	BY ARCH.	POLE	#VBS-13.3(113) CONCRETE POLE
D	KIM	6350/100MH277/	1	100 MH	277V.	BY ARCH.	GROUND	VERIFY LOCATION PRIOR TO ROUGHIN.
E	SUN VALLEY LIGHTING	(2) OVI-PG-SM-FG/XBC-2-180 (8)	2/1	175/175 MH	277V.	BLACK	5" DIA. POLE	#5040 POLE & #4300 BASE

LIGHT FIXTURE SCHEDULE NOTES

SVA

(1) GENERAL CONTRACTOR SHALL PROVIDE FIREPROOFING AROUND RECESSED FIXTURES INSTALLED IN FIRE RATED CEILING PER U.L. REQUIREMENTS. ELECTRICAL CONTRACTOR SHALL COORDINATE.

(2) SEE SPECIFICATIONS FOR LAMP AND BALLAST TYPE. VERIFY LAMP COLOR WITH ARCHITECT PRIOR TO ORDERING.

(3) PROVIDE ARROWS AND FACES AS INDICATED BY THE DRAWINGS.

(4) MANUFACTURERS LISTED IN THIS SCHEDULE OR BY WRITTEN ADDENDUM WILL BE THE ONLY APPROVED MANUFACTURERS TO BID THE LIGHTING FIXTURES FOR THIS PROJECT. CONTRACTORS AND SUPPLIERS USING PRICING FROM MANUFACTURERS NOT LISTED ON SCHEDULE OR BY ADDENDUM DO SO AT THEIR OWN RISK.

(5) EXISTING LIGHT FIXTURES TO BE PROVIDED BY THE CITY AND INSTALLED BY THE ELECTRICAL CONTRACTOR. VERIFY ALL REQUIREMENTS WITH CITY OF WICHITA PRIOR TO BID. EXISTING LIGHT FIXTURES CURRENTLY INSTALLED AT HYATT PLAZA. REMOVE ONE ARM/LIGHT FIXTURE ASSEMBLY FROM EXISTING ASSEMBLY AND RETURN TO OWNER. PROVIDE BLANK COVER FOR POLE AS REQUIRED.

(6) PROVIDE WITH SUN VALLEY #5040 5" ROUND POLE WITH #4300 BASE. VERIFY EXACT POLE HEIGHT WITH SITE CONDITIONS TO GIVE MAXIMUM 15' OVERALL HEIGHT. POLE TO BE PROVIDED WITH 2 WP RECEPTACLES AND 4 #RBA BANNER ARMS. VERIFY RECEPTACLE HEIGHT WITH ARCHITECT. VERIFY ALL REQUIREMENTS PRIOR TO ORDERING.

(7) LIGHT FIXTURE, POLE AND INSTALLATION BY OTHERS; POLE BASE AND WIRING BY ELECTRICAL CONTRACTOR. VERIFY ALL REQUIREMENTS WITH CITY AND WESTAR PRIOR TO BID.

(8) PROVIDE WITH SUN VALLEY #5040 5" ROUND POLE WITH #4300 BASE. VERIFY EXACT POLE HEIGHT WITH SITE CONDITIONS TO GIVE MAXIMUM 15' OVERALL HEIGHT. POLE TO BE PROVIDED WITH 2 WP RECEPTACLES AND 4 #RBA BANNER ARMS. VERIFY RECEPTACLE HEIGHT WITH ARCHITECT. VERIFY ALL REQUIREMENTS PRIOR TO ORDERING. PROVIDE WITH 175W MH FLOOD LIGHT MOUNTED TO TOP OF POLE AND AIMED AT BUILDING TO ILLUMINATE WALL SCULPTURE. VERIFY ALL REQUIREMENTS WITH MANUFACTURER. FLOOD LIGHT TO BE MCGRAW EDISON #VFSK175MH480-XX-XX-SF.

FEEDER SCHEDULE

SVA

	FEEDER IDENT. ⬡	CONDUCTORS SETS	QUANT. PER SET	SIZE	GROUND SIZE PER SET	ISOLATED GRD. SIZE PER SET	CONDUIT SIZE PER SET
	1	1	4	#3/0	#6	--------	2"
	2	1	4	#500	#3	--------	3 1/2"
	3	2	4	#500	--------	--------	4"
	4	1	3	#1	#6	--------	1 1/2"
	5	1	3	#6	#10	--------	1"
	6	1	4	#2	#6	--------	1 1/2"
(1)	7	1	4	#350	#3	--------	4"

(1) UTILIZE SPARE 4" SITE CONDUIT FROM PARKING DECK TO GANDER MOUNTAIN UTILITY TRANSFORMER LOCATION. EXTEND CONDUIT TO NEW PANEL LOCATION. VERIFY ALL REQUIREMENTS PRIOR TO BID.

TRANSFORMER SCHEDULE

SVA

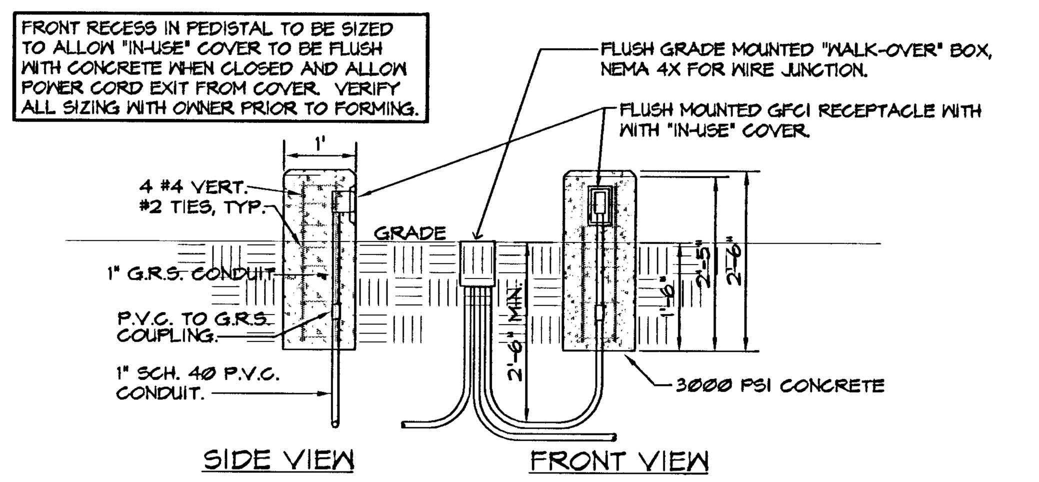
TRANSF DESIG. (TS)	KVA RATING	PRIMARY 480V 3Ø, 3W		SECONDARY 120/208 3Ø, 4W		PRIM. FEED ⬡	SEC. FEED ⬡	GRD. SIZE (1) FEED.	PRIM. SUPPLY DEVICE RATING	PRIM. CIRCUIT NUMBER
T1	112.5	●		●		5	6	#8	45/3	H1

(1) CONNECT GROUND WIRE TO NEAREST GROUNDING SOURCE PER N.E.C. ARTICLE 250-26(c)

SYMBOL LIST

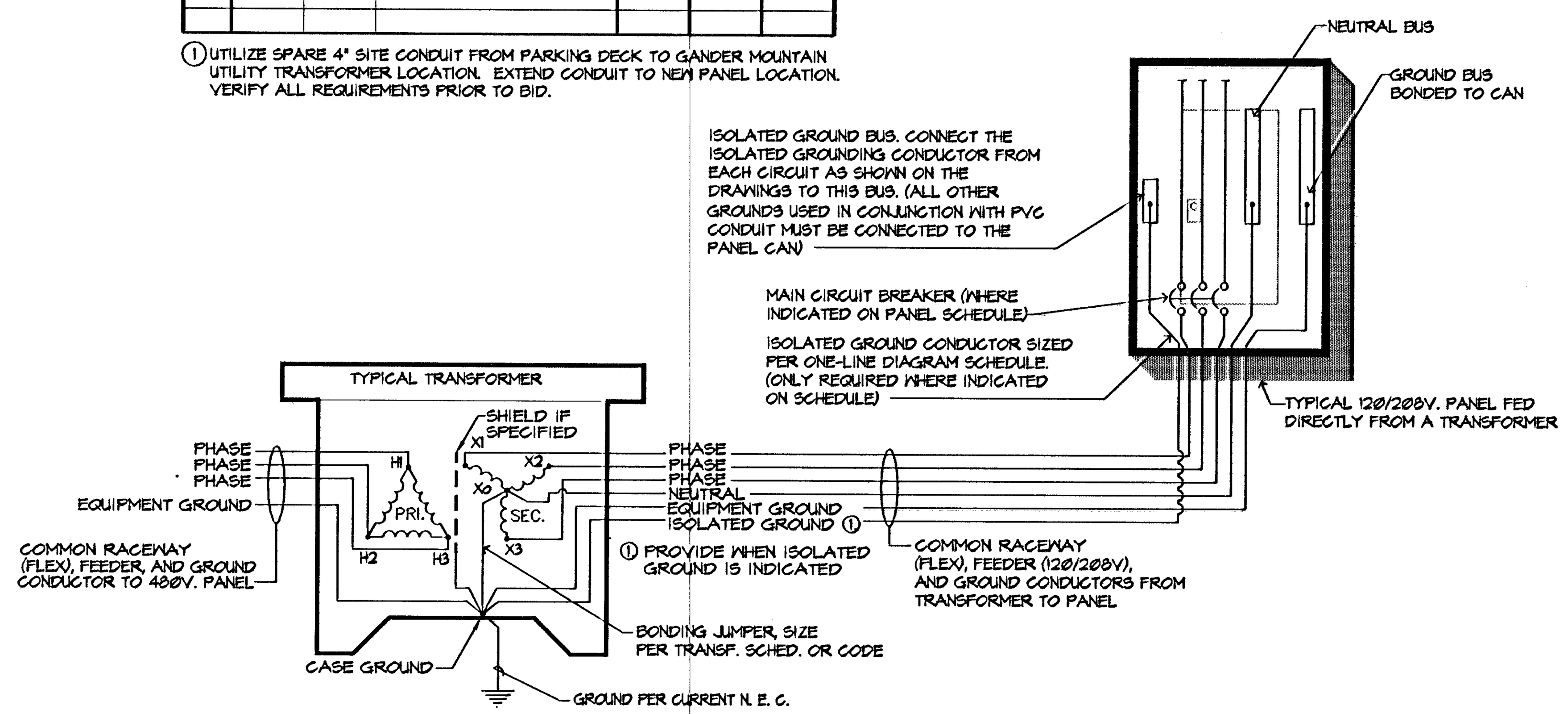
SVA

SYMBOL	DESCRIPTION	MOUNTING
[(A)]	FLUORESCENT FIXTURE & FIXTURE LETTER	CEILING
⊢(A)⊣	FLUORESCENT FIXTURE & FIXTURE LETTER	CEILING
(A) [A]	INCAND. OR H.I.D. FIXTURE & FIXT. LETTER	SURF./RECESSED
⊢(A)	INCAND. OR H.I.D. FIXTURE & FIXT. LETTER	WALLBRACKET
⊗ ⊢⊗	EXIT FIXT. - SHADING DENOTES FACE(S)	CEIL./WALL
	GFCI DUPLEX GROUNDED RECEPTACLE	1'-3" AFF
	DUPLEX GROUNDED RECEPTACLE	1'-3" AFF
	EXTERIOR GFCI RECEPT. WEATHERPROOF	1'-3" AFF
	SPECIAL OUTLET, SEE SCHEDULE OR AS NOTED	
▼ ▼W▼P	TELEPHONE OUTLET (P=PAY, 44")(W= 44")	1'-3" AFF
$ $3 $4 PK	SWITCHES (1-POLE,3-WAY,4-WAY,PILOT,KEY)	4'-0" TO TOP
[J]	JUNCTION BOX	
[F]	FUSTAT	
□	SPECIAL DEVICE AS NOTED ON PLAN	
▬ A	BRANCH CIRCUIT PANEL & PANEL DESIG.	6'-6"TO TOP
30/3/240	H.D. SAFETY SWITCH (AMPS,POLE,VOLTAGE)	6'-6"TO TOP
0/3/240	STARTER (SIZE,POLE,VOLTAGE)	6'-6"TO TOP
(T)	THERMOSTAT (BY M.C.)	4'-0" TO TOP
●	MOTOR	
	CONDUIT RUN 2#12 & 1#12 GRD.-1/2"C.	CEIL./WALL
	CONDUIT RUN 2 CIRCUIT,3#12 & 1#12 GRD.-1/2"C.	EARTH/FLOOR
	PARTIAL HOMERUN (MULTIPLE LOAD LOCATIONS)	
#10 30/3	SEE NOTE #7	
	CIRCUIT SUPPLIED FROM EMERGENCY SYSTEM	
(1)	FEEDER IDENTIFICATION, SEE SCHEDULE	
CT	SEE NOTE #8	
WP	WEATHERPROOF	
EM	ITEM SUPPLIED FROM EMERGENCY SYSTEM	
a,b,c	INDICATES SWITCHING SCHEME	
⊠	FIRE ALARM MANUAL STATION	4'-0" TO TOP
⊠◁	COMB. F.A. HORN & VISUAL SIGNAL	WALL 80"AFF
	FIRE ALARM VISUAL SIGNAL	WALL 80"AFF
	AREA SMOKE DETECTOR, SEE GEN. NOTE #10	CEIL./WALL
	DOUBLE DUPLEX RECEPTACLE	1'-3" AFF
	PHONE/DATA OUTLET	1'-3" AFF
◁	DATA OUTLET	1'-3" AFF
	TV OUTLET	1'-3" AFF



SPECIAL OUTLET "A" DETAIL (A)

SPECIAL OUTLET A TO BE LOCATED MINIMUM OF 4'-0" FROM CENTER LINE OF ANY TREE TRUNK. VERIFY ALL LOCATIONS PRIOR TO ROUGHIN.



TYPICAL TRANSFORMER GROUNDING DETAIL

N.T.S.

GENERAL NOTES

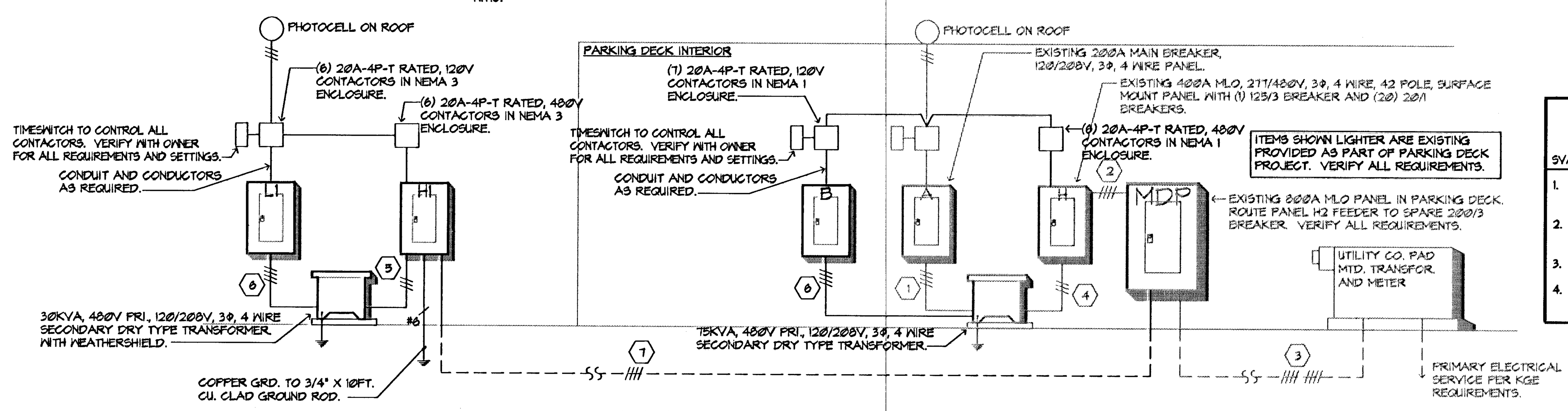
SVA

1. VERIFY ALL OUTLET LOCATIONS ON THE JOB PRIOR TO ROUGH-IN.
2. REFER TO RELATED ARCHITECTURAL, MECHANICAL, AND STRUCTURAL DRAWINGS FOR RELATED INFORMATION.
3. REFER TO THE SPECIFICATIONS FOR DATA NOT ON THE DRAWINGS.
4. COORDINATE OUTLET BOX LOCATIONS WITH MASONRY TO MINIMIZE CUTTING OF BRICK OR BLOCK.
5. ALL MOUNTING HEIGHTS TO BOTTOM OF ITEM UNLESS OTHERWISE NOTED.
6. E.C. SHALL REFER TO MECHANICAL DRAWINGS AND SPECIFICATIONS FOR THE REQUIREMENTS ASSOCIATED WITH WIRING AND CONNECTION OF INTERLOCKING AND CONTROLS OF MECHANICAL UNITS AND THERMOSTAT LOCATIONS.
7. CONDUIT RUN W/CONDUCTORS AS INDICATED, CONDUIT SIZE AS REQUIRED. CONDUIT RUN TO PANEL DEVICE SIZE AS INDICATED (AMP/POLE). CIRCUIT WITHOUT INDICATION IS ROUTED TO 20A.,1P. BREAKER.
8. A GROUND CONDUCTOR SIZED PER N. E. C. ARTICLE 250 IS REQUIRED IN ALL POWER, RECEPTACLE, AND LIGHTING CIRCUITS. GROUND CONDUCTORS ARE NOT SHOWN ON DRAWINGS.
9. ALL CIRCUITING SHOWN TO PANEL H SHALL INCLUDE NEW BREAKERS TO BE PROVIDED AND INSTALLED IN EXISTING PANEL. VERIFY ALL REQUIREMENTS.
10. ALL EXTERIOR LIGHTING AND RECEPTACLE CIRCUITS THIS PROJECT TO BE ROUTED VIA CONTACTORS WITH PHOTOCELL/TIMESWITCH CONTROL. VERIFY ALL REQUIREMENTS PRIOR TO ROUGHIN.

SPECIAL OUTLET SCHEDULE

SVA

SYMBOL	DESCRIPTION
(A)	SEE DETAIL THIS SHEET.
(B)	WEATHERPROOF GFCI RECEPTACLE WITH "IN-USE" COVER AND FS BOX MOUNTED TO LIGHT FIXTURE POLE. ROUTE CONDUIT UP EXTERIOR OF CONCRETE POLE BASE AND OFFSET INTO RECEPTACLE BOX. VERIFY ALL LOCATIONS AND REQUIREMENTS.



ELECTRICAL RISER DIAGRAM

NO SCALE

VOLTAGE: 277/480V, 3Ø, 4 WIRE

GENERAL NOTES

SVA

1. ELECTRICAL CONTRACTOR TO VERIFY ALL POLE LOCATIONS WITH UTILITY COMPANY PRIOR TO ROUGHIN.
2. ELECTRICAL CONTRACTOR TO VERIFY ALL INSTALLATION REQUIREMENTS WITH CITY OF WICHITA AND LOCAL UTILITY COMPANY PRIOR TO BID.
3. COORDINATE ALL CONDUIT ROUTING WITH PROJECT SITE WORK.
4. ELECTRICAL CONTRACTOR TO VISIT THE SITE PRIOR TO BID AND VERIFY ALL EXISTING CONDITIONS AND REQUIREMENTS.

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WICHITA WATERWALK

PUBLIC IMPROVEMENTS PHASE IA

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ELECTRICAL SCHEDULES

Job No.	
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