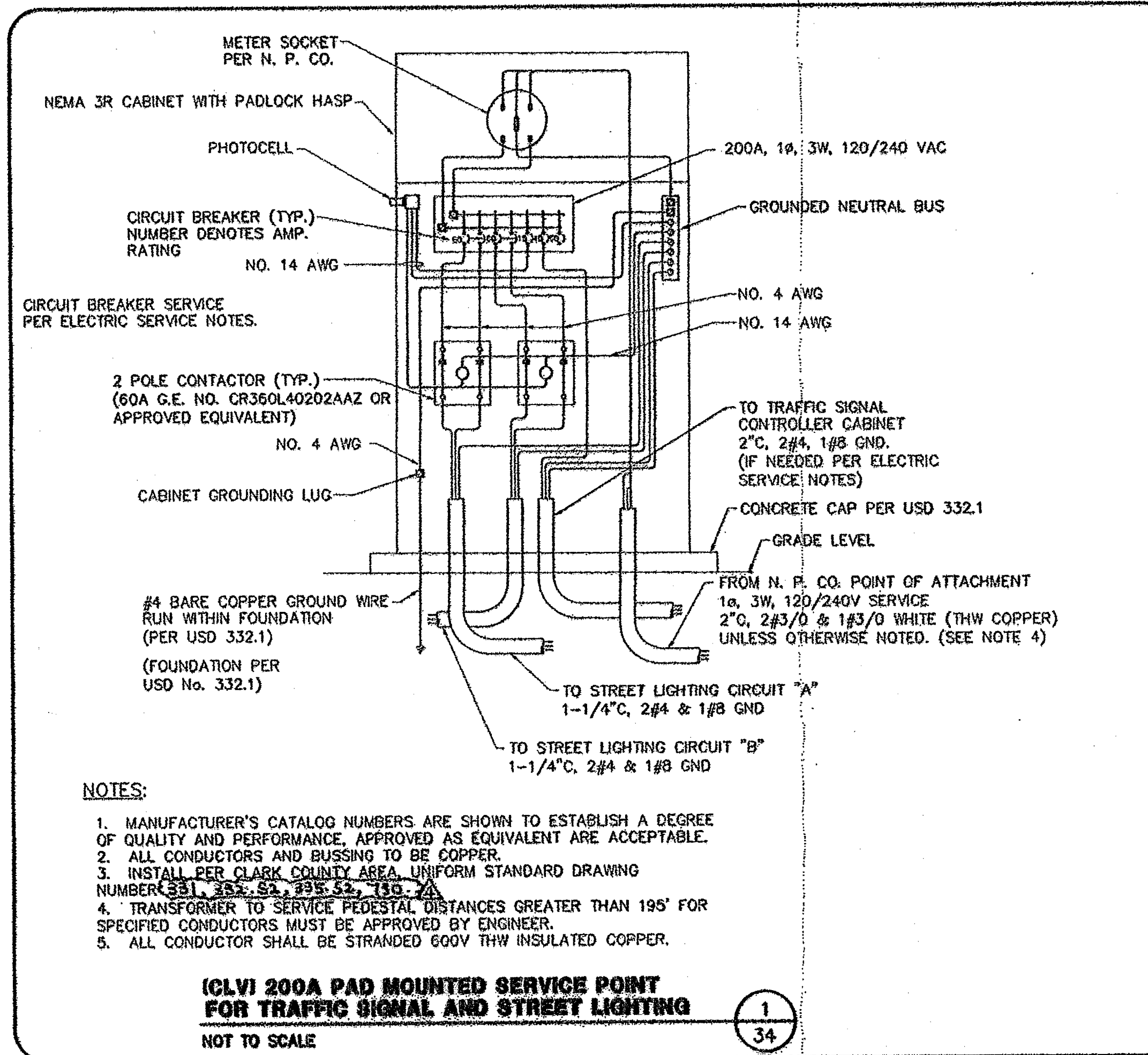


SBI, FHD2: SERVICE PEDESTAL CIRCUIT CAPACITY VERIFICATION

CIRCUIT NAME	SBI(A)		SBI(B)		FHD2(A)		FHD2(B)	
	STREET LIGHTING (PROPOSED)	AMPS	STREET LIGHTING (PROPOSED)	AMPS	STREET LIGHTING (PROPOSED)	AMPS	STREET LIGHTING (FUTURE)	AMPS
VOLTAGE:	240		240		240		240	
CIRCUIT CAPACITY:	60		60		60		60	
MAXIMUM CONTINUOUS CURRENT DRAW IS 80% OF CIRCUIT CAPACITY:	48		48		48		48	
EXISTING CIRCUIT LOAD AMPS =	0.00		0.00		0.00		0.00	
PROPOSED LOAD TO CIRCUIT:	PROPOSED		PROPOSED		PROPOSED		PROPOSED	
150 WATT SINGLE LUMINAIRES AT 240V = 0.75 AMPS	12	9.00	5	6.00	7	5.25	0	0.00
150 WATT TWIN LUMINAIRES AT 240V = 1.50 AMPS	0	0.00	0	0.00	0	0.00	0	0.00
250 WATT SINGLE LUMINAIRES AT 240V = 1.25 AMPS	0	0.00	0	0.00	0	0.00	0	0.00
400 WATT SINGLE LUMINAIRES AT 120V = 4.00 AMPS	0	0.00	0	0.00	0	0.00	0	0.00
TOTAL PROPOSED LOAD AMPS =	12	9.00	5	6.00	7	5.25	0	0.00
EXISTING PLUS PROPOSED LOAD AMPS =	12	9.00	5	6.00	7	5.25	0	0.00
REMAINING AVAILABLE LOAD AMPS: MAXIMUM - EXISTING - PROPOSED =	48		48		42.75		48	

ELECTRICAL NOTES

1. ALL UNDERGROUND CONDUIT SHALL BE TYPE RNC (RIGID NONMETALLIC CONDUIT), SCHEDULE 40 PVC AND SHALL BE INSTALLED PER USD 404.1419. ABOVE GRADE CONDUIT SHALL BE TYPE RMC (RIGID METALLIC CONDUIT). CONDUIT RISERS SHALL BE TYPE RMC WITH PVC COATING OR TAPE WRAP.
2. ALL CONDUIT WHICH WOULD OTHERWISE BE EMPTY SHALL INCLUDE A NYLON PULLSTRING AND 1/8" FOR LOCATING PURPOSES.
3. ALL CONDUCTORS SHALL BE STRANDED, 600-VOLT, TYPE THW INSULATED COPPER.
4. THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL ALL ELECTRICAL COMPONENTS AND HARDWARE AS REQUIRED BY THE NATIONAL ELECTRICAL CODE, LATEST EDITION AND SHALL COMPLY WITH THE REQUIREMENTS OF THE INSPECTING AUTHORITY HAVING JURISDICTION.



ELECTRICAL SERVICE NOTES:

- (2) SBI, FHD2: 200 AMP, SINGLE PHASE, 3 WIRE, 120/240V PAD MOUNTED SERVICE PEDESTAL. FEEDER FROM NV ENERGY POINT OF CONNECTION TO BE 2" C, 2#3/0 THW, 1#3/0 WHITE THW (COPPER). SERVICE PEDESTAL SHALL BE LOCATED A MINIMUM OF 30 FEET FROM THE TRANSFORMER. THE FOLLOWING SHALL BE INCLUDED IN THE SERVICE PEDESTAL:
 - (2) 60 AMP, 240V, 2-POLE CIRCUIT BREAKERS,
 - (2) 60 AMP, 240V, 2-POLE LIGHTING CONTACTORS,
 - (2) TEST SWITCHES (ONE FOR EACH CONTACTOR), PHOTOELECTRIC CONTROL,
 - (1) 15 AMP, 120V, SINGLE POLE CIRCUIT BREAKER FOR LIGHTING CONTROLS.
- CONTRACTOR TO PROVIDE (2) 1-1/4" CONDUITS FROM SERVICE PEDESTAL TO FIRST STREET LIGHTING PULLBOX
- SERVICE PEDESTAL SHALL COMPLY WITH CLARK COUNTY AREA UNIFORM STANDARD DRAWINGS 330, 331, 332.1 AND 335.1.

Avoid hitting underground traffic signal system or streetlight system conduits. It's costly.

Call before you dig
UnderGround.
 1-702-455-7511
 CLARK COUNTY TRAFFIC OPERATIONS AND LAS VEGAS AREA COMPUTERIZED TRAFFIC SYSTEM
 1-702-229-6611

ENGINEER - EIT
 JOHN T. BROWN
 No. 1271/2014
 No. 15053
 DATE: 2/13/13
FOR ELECTRICAL COMPONENTS ONLY

STATE OF NEVADA
 ENGINEER - EIT
 JOHN T. BROWN
 No. 1271/2014
 No. 15053

DATE: 2/13/13

DESIGN: _____ DAY: _____
 CHECK: _____ DAY: _____
 ISSUE DATE: _____
 ISSUE EDITOR: _____
 PLOT DATE: 02-13-13
 PLOT TIME: 09:31:15

G.C. WALLACE COMPANIES
 ENGINEERS | PLANNERS | SURVEYORS
 1555 S. RAINBOW BOULEVARD - LAS VEGAS, NV 89146
 TEL: 702-734-2259 FAX: 702-734-2259

THE HOWARD HUGHES COMPANY, LLC
 WALLACE 238 ANTELOPE RIDGE DRIVE IMPROVEMENTS
 STREET LIGHT, MASTER CONDUIT AND ELECTRICAL PLAN NOTES AND DETAILS

DRAWING: **34**
 JOB NO. 620238-203

1668

AS BUILT PALMER Electric 702 257 7475 08-14-14