ELECTRICAL LEGEND

- CONDUIT RUN CONCEALED IN CEILING OR WALL. HATCHED LINES INDICATE NUMBER OF CURRENT–CARRYING CONDUCTORS WHEN OTHER THAN TWO.
- CONDUIT RUN CONCEALED UNDER GRADE
- CONDUIT RUN EXPOSED
- HA–1,3 — HOME RUN, NUMBER OF ARROWS INDICATE NUMBER OF CIRCUITS. LETTERS AND NUMBERS DESIGNATE PANEL AND CIRCUITS.
- WP — DENOTES WEATHERPROOF DEVICE OR EQUIPMENT
- PANELBOARD – 120/240 VOLT
- FLOODLIGHTS, MH AS INDICATED
- A — FIXTURE DESIGNATION
- GFI — DUPLEX RECEPTACLE, MH 1'–6" UNLESS OTHERWISE NOTED GFI DENOTES GROUND FAULT CIRCUIT INTERRUPTER
- (1) — KEY NOTE

SITE

- OVERHEAD ELECTRICAL TO BE DEMOLISHED
- OHE — EXISTING OVERHEAD ELECTRICAL
- OHE — OVERHEAD ELECTRICAL
- POWER POLE TO BE DEMOLISHED
- EXISTING POWER POLE
- POWER POLE

GENERAL NOTES

1. SEE SHEET G003 FOR ABBREVIATIONS AND GENERAL LEGEND.
2. MOUNTING HEIGHT, UNLESS OTHERWISE NOTED, IS TO CENTER LINE OF EQUIPMENT, EXCEPT MOUNTING HEIGHT OF LIGHTING FIXTURES WHICH IS TO BOTTOM OF FIXTURE.
3. PROVIDE DISCONNECT SWITCHES WHERE NOT INDICATED ON EQUIPMENT PER NEC.
4. GROUNDING CONDUCTORS ARE NOT INDICATED IN BRANCH CIRCUIT RACEWAYS. PROVIDE GROUND CONDUCTORS IN ALL RACEWAYS.
5. PROVIDE NAMEPLATES ON THE EXTERIOR OF ALL ELECTRICAL PANELS AND ENCLOSURES AS FOLLOWS:

   LINE 1: DEVICE ID
   LINE 2: DEVICE RATING
   LINE 3: POWER SOURCE
   LINE 4: INSTALLATION DATE

   PANEL LP1
   100A, 120/240V–1ø, 3W
   INSTALLED: 1997

   FOR DISCONNECT SWITCHES AND MOTOR STARTERS THE TOP LINE SHALL BE THE NAME/DESIGNATION OF THE EQUIPMENT BEING FED BY THE SWITCH/STARTER.

LIGHTING FIXTURE SCHEDULE

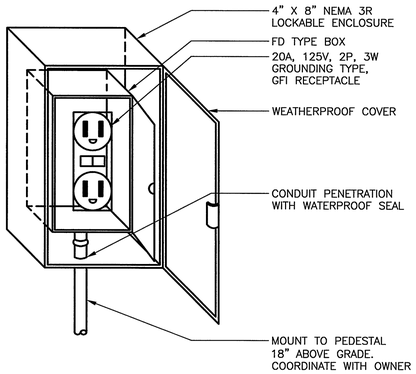
FIXTURE TYPE	MANUFACTURER	MODEL NUMBER	LAMPS QNTY	LAMPS TYPE	LAMPS WATTS	LAMPS LUMENS	MOUNTING	VOLTS	DESCRIPTION
A	LITHONIA	ASF1	2	CF	57	4300	POLE	120	FLOODLIGHT WITH MEDIUM THROW DISTRIBUTION, COLOR TO BE NATURAL ALUMINUM.
A1	LITHONIA	ASF1	2	CF	57	4300	POLE	120	FLOODLIGHT WITH MEDIUM THROW DISTRIBUTION, COLOR TO BE NATURAL ALUMINUM. PROVIDE PHOTOELECTRIC CELL–BUTTON.

PANEL (NEW)

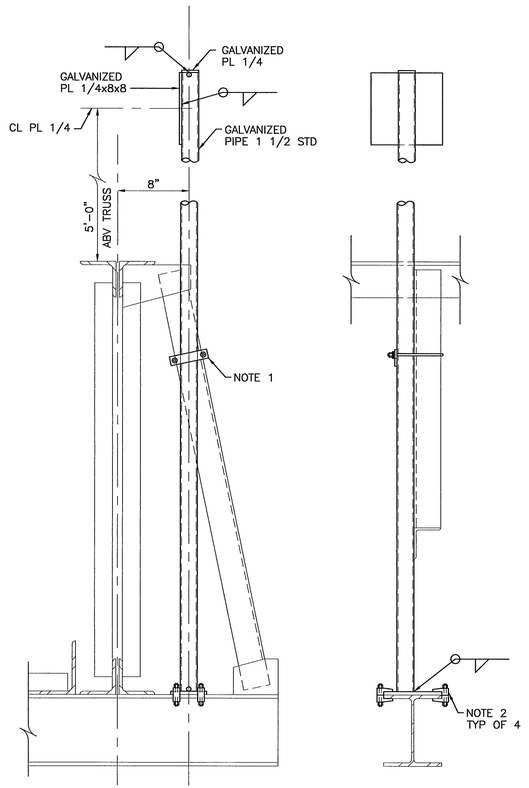
VOLTAGE: 120/240 — PHASE: 1 — WIRE: 3 — BUS AMPS: 100A — MAIN BREAKER AMPS: 100A — [X] SURFACE MOUNTED — [ ] FLUSH MOUNTED — AIC RATING: 10,000

CKT NO.	BRKR P	BRKR AMPS	WIRE NO	WIRE SZ	*	CIRCUIT DESCRIPTION	LOAD – KVA PHA	LOAD – KVA PHB	CKT NO.	BRKR P	BRKR AMPS	WIRE NO	WIRE SZ	*	CIRCUIT DESCRIPTION	LOAD – KVA PHA	LOAD – KVA PHB
1	1	20	2	10		BRIDGE LIGHTS	0.4		2	1	20	2	10		CARGO BOX MIXER	1.2	
3	1	20	2	8		BRIDGE RCPTS		0.5	4	1	20	2	10		SUMP PUMP		1.2
5	1	20	2	10		CARGO BOX RCPTS	0.4		6	1	20				SPARE		
7	1	20				SPARE			8	1	20				SPARE		
9	1	20				SPARE			10	1	20				SPARE		
11	1					SPACE ONLY			12	1					SPACE ONLY		
13	1					SPACE ONLY			14	1					SPACE ONLY		
15	1					SPACE ONLY			16	1					SPACE ONLY		
17	1					SPACE ONLY			18	1					SPACE ONLY		
19	1					SPACE ONLY			20	1					SPACE ONLY		
						TOTAL LEFT SIDE	0.8	0.5							TOTAL RIGHT SIDE	1.2	1.2
						TOTAL RIGHT SIDE	1.2	1.2									
						TOTAL	2.0	1.7							TOTAL CONNECTED LOAD		3.7

* NOTES 1. NEMA 3R ENCLOSURE.



WP SITE RECEPTACLE DETAIL
NO SCALE



FIXTURE MOUNTING DETAIL
NO SCALE

NOTES:
1. 1/4"ø GALVANIZED U–BOLT SIZED TO FIT AROUND EXISTING ANGLE BRACE. FASTEN WITH GALVANIZED PL 3/8x1x5. GALVANIZED FLAT AND LOCK WASHERS, AND GALVANIZED NUTS.
2. FASTEN BASE PLATE TO THE TOP FLANGE OF THE EXISTING BEAM WITH GALVANIZED FLANGE CLAMPS AS MANUFACTURED BY LINDAPTER OR EQUAL.
3. ALL WELDS SHALL BE SEAL WELDS AND SHALL BE MADE PRIOR TO HOT–DIP GALVANIZING.
4. PROVIDE DRAIN HOLES IN THE PIPE AT EACH END TO AID IN GALVANIZING.
5. COORDINATE DIMENSIONS WITH EXISTING STRUCTURE.

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SEALS

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WESTERN VIRGINIA WATER AUTHORITY

FALLING CREEK DAM RENOVATION

WESTERN VIRGINIA WATER AUTHORITY

BEDFORD COUNTY, VIRGINIA

REV	DATE	DESCRIPTION	APP

PROJECT NO: 61034	PROJECT PH: REGULATORY REVIEW
ISSUE DATE: JANUARY 12, 2009	
DESIGNED BY: RLL	DRAWN BY: RLL
CHECKED BY: DMS	SUBMITTED BY: DMH

ELECTRICAL

LEGEND, LIGHTING FIXTURE SCHEDULE, PANELBOARD SCHEDULE, AND DETAILS

E001

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RF: jr8_nxbrdr IMG: NONE