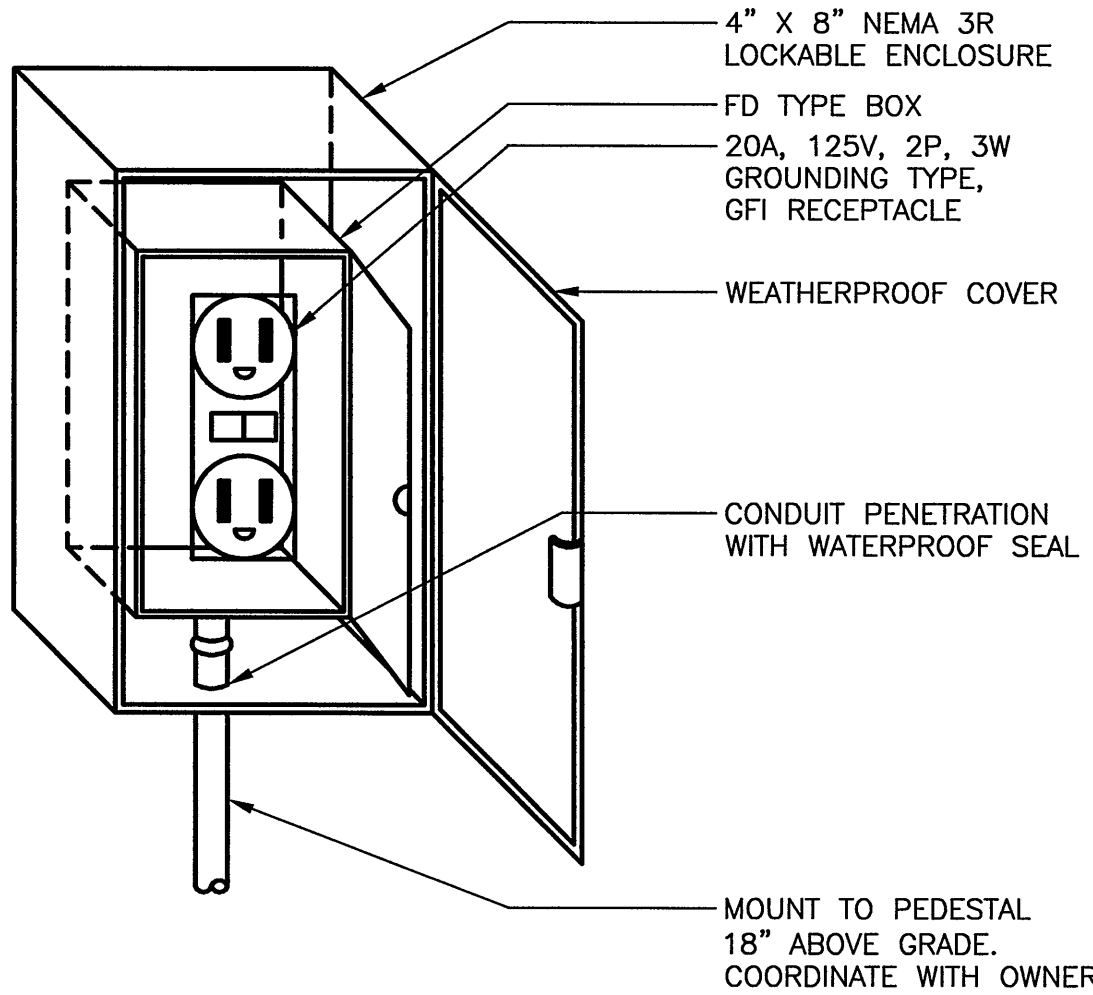


ELECTRICAL LEGEND		SITE	GENERAL NOTES	
<div><div> </div><div>CONDUIT RUN CONCEALED IN CEILING OR WALL. HATCHED LINES INDICATE NUMBER OF CURRENT-CARRYING CONDUCTORS WHEN OTHER THAN TWO.</div><div>----</div><div>CONDUIT RUN CONCEALED UNDER GRADE</div><div>-----</div><div>CONDUIT RUN EXPOSED</div><div>→</div><div>HOME RUN, NUMBER OF ARROWS INDICATE NUMBER OF CIRCUITS. LETTERS AND NUMBERS DESIGNATE PANEL AND CIRCUITS.</div><div>WP</div><div>DENOTES WEATHERPROOF DEVICE OR EQUIPMENT</div><div> </div><div>PANELBOARD - 120/240 VOLT</div><div>⊙</div><div>FLOODLIGHTS, MH AS INDICATED</div><div>△</div><div>FIXTURE DESIGNATION</div><div>⊕</div><div>DUPLEX RECEPTACLE, MH 1'-6" UNLESS OTHERWISE NOTED</div><div>⊕</div><div>GFI DENOTES GROUND FAULT CIRCUIT INTERRUPTER</div><div>①</div><div>KEY NOTE</div></div>		<div><div>-----</div><div>OVERHEAD ELECTRICAL TO BE DEMOLISHED</div><div>—OHE—</div><div>EXISTING OVERHEAD ELECTRICAL</div><div>—OHE—</div><div>OVERHEAD ELECTRICAL</div><div>#</div><div>POWER POLE TO BE DEMOLISHED</div><div>⊙</div><div>EXISTING POWER POLE</div><div>⊙</div><div>POWER POLE</div></div>	<div><div>1. SEE SHEET G003 FOR ABBREVIATIONS AND GENERAL LEGEND.</div><div>2. MOUNTING HEIGHT, UNLESS OTHERWISE NOTED, IS TO CENTER LINE OF EQUIPMENT, EXCEPT MOUNTING HEIGHT OF LIGHTING FIXTURES WHICH IS TO BOTTOM OF FIXTURE.</div><div>3. PROVIDE DISCONNECT SWITCHES WHERE NOT INDICATED ON EQUIPMENT PER NEC.</div><div>4. GROUNDING CONDUCTORS ARE NOT INDICATED IN BRANCH CIRCUIT RACEWAYS. PROVIDE GROUND CONDUCTORS IN ALL RACEWAYS.</div><div>5. PROVIDE NAMEPLATES ON THE EXTERIOR OF ALL ELECTRICAL PANELS AND ENCLOSURES AS FOLLOWS:</div><div><div>LINE 1: DEVICE ID</div><div>LINE 2: DEVICE RATING</div><div>LINE 3: POWER SOURCE</div><div>LINE 4: INSTALLATION DATE</div></div><div><div>PANEL LP1</div><div>100A, 120/240V-1Ø, 3W</div><div>INSTALLED: 1997</div></div><div>FOR DISCONNECT SWITCHES AND MOTOR STARTERS THE TOP LINE SHALL BE THE NAME/DESIGNATION OF THE EQUIPMENT BEING FED BY THE SWITCH/STARTER.</div></div>	

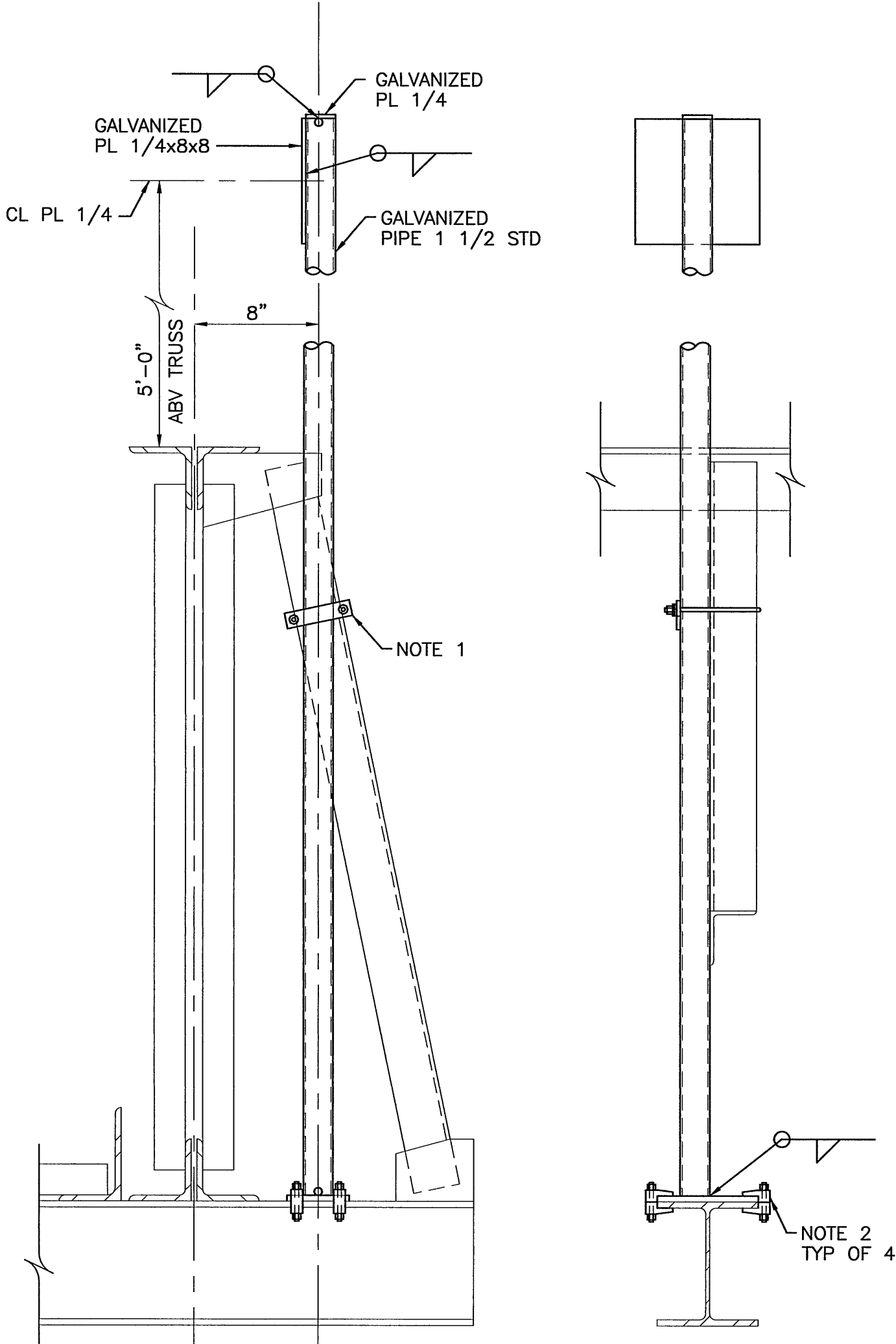
LIGHTING FIXTURE SCHEDULE									
FIXTURE TYPE	MANUFACTURER	MODEL NUMBER	LAMPS			MOUNTING	VOLTS	DESCRIPTION	
			QNTY	TYPE	WATTS	LUMENS			
△	LITHONIA	ASF1	2	CF	57	4300	POLE	120	FLOODLIGHT WITH MEDIUM THROW DISTRIBUTION, COLOR TO BE NATURAL ALUMINUM.
△1	LITHONIA	ASF1	2	CF	57	4300	POLE	120	FLOODLIGHT WITH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

PANEL (NEW)																					
VOLTAGE: 120/240					PHASE: 1					BUS AMPS: 100A					<input checked="" type="checkbox"/> SURFACE MOUNTED		AIC RATING:				
					WIRE: 3					MAIN BREAKER AMPS: 100A					<input type="checkbox"/> FLUSH MOUNTED		10,000				
CKT NO.	BRKR	P	AMPS	WIRE NO	SZ	*	CIRCUIT DESCRIPTION	LOAD -- KVA			CKT NO.	BRKR	P	AMPS	WIRE NO	SZ	*	CIRCUIT DESCRIPTION	LOAD -- KVA		
								PHA	PHB										PHA	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				
5	1		20	2	10		CARGO BOX RCPTS	0.4			6	1	20				SPARE		1.2		
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:
- 1/4" GALVANIZED U-BOLT SIZED TO FIT AROUND EXISTING ANGLE BRACE. FASTEN WITH GALVANIZED PL 3/8x1x5. GALVANIZED FLAT AND LOCK WASHERS, AND GALVANIZED NUTS.
 - FASTEN BASE PLATE TO THE TOP FLANGE OF THE EXISTING BEAM WITH GALVANIZED FLANGE CLAMPS AS MANUFACTURED BY LINDAPTER OR EQUAL.
 - ALL WELDS SHALL BE SEAL WELDS AND SHALL BE MADE PRIOR TO HOT-DIP GALVANIZING.
 - PROVIDE DRAIN HOLES IN THE PIPE AT EACH END TO AID IN GALVANIZING.
 - COORDINATE DIMENSIONS WITH EXISTING STRUCTURE.

HSMM | AECOM

HAYES, SEAY, MATTERN & MATTERN, INC.
1315 FRANKLIN ROAD
ROANOKE, VA 24016
(540) 857-3100
www.hsmm.com

SEALS

COMMONWEALTH OF VIRGINIA

MILTON H. COBBES

Lic. No. 27915

1/12/2009

PROFESSIONAL ENGINEER

CONSULTANT

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

M:\PROJECTS\60000SERIES\61034\CADD\DWG\JR8E_N_0001.DWG 61034 01/12/2009 10:49:17 LYNCH, RONNIE
RF: jr8_nxbrdr IMG: NONE