

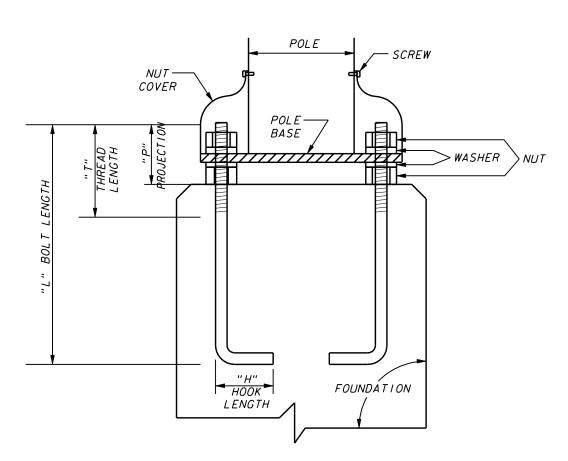
SCHEMATIC TYPE D 120/240 VOLTS - THREE WIRE

TYPE D SERVICE NOTES

Photocell and lighting contactor shall be located in the same UL type 3R enclosure with load center. There shall be a window on each side of enclosure to allow operation of photocell. Both photocell, contactor and breaker area shall have dead front trim. Type D load center with lighting controls shall have power distribution blocks for a minimum of 10, #4 conductors.

ELECTRIC SERVICE PEDESTAL SCHEMATIC

Panel	Sched	ule		Single Phase	_								Date:	11/23/2010
Projec	t:	Bella La	ne - Vitr	uvian Way to South of Farm	ers E	Branch Cre	ek		=					
Panel Name: <u>BLP -</u>		BLP - Bella Lane Pedestal	=	Volts <l-< td=""><td>L>:</td><td>240</td><td>=</td><td></td><td></td><td>Maiı</td><td>n Bkr:</td><td>200 Am</td></l-<>	L>:	240	=			Maiı	n Bkr:	200 Am		
Mfg:			Volts <l-g>: _</l-g>		120	=	Main Lugs:		Lugs:	Am				
Mode	l:				Phase:		1	=	Panel AIC:		el AIC:	22,000 Am		
Description:				Wires:		3	=	Neutral Bar:		ral Bar:	<u>Y</u> Y/			
Locati	on:			l	"I" = Indoor, "O" = Outdoor		door		Ground Bar:		nd Bar:	<u>Y</u> Y/		
Break	er Mou	ınting:		S	= "S"	= Standard, "	B" =	Bolt-In						
Pos.	Bkr	Trip	No. Bkr				Loa	d VA		Pos.	Bkr	Trip	No. Bkr	
No.	No.	Amps	Poles	Serves		L1		L2		No.	No.	Amps	Poles	Serves
1		60	2	Lighting Contactor 1	_	3650								
						9321	>	>	>>	2		95	2	Future Well Motor
3		60		Lighting Contactor 1	< .	<	< <	3650	-					
					┨,		7	9321	>	4		95		
5		20	2	Lighting Contactor 2	<	560	-							
						1920	_	>	>>]	6		20	1	Future Well Controls
7		20		Lighting Contactor 2	<	<	< <		-					
			_		ا ا		1	1920	>	8		20	1	Irrigation Controller
9		20	1	Pedestal Duplex Outlet	<	1920	1							
11				Craca	ا _ل ا	<	_	>	>>]	10				Space
11				Space	`	<	< <	1920		12		20	1	Spare
					- 			1920] _	12		20	1	Spare
								>	>>					
						<	_							
					1		,		>					
				Connected VA per Leg =	:	17371		17371						1
				Total Amps per Leg =		145		145						



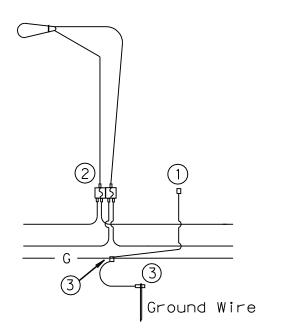
1. USE ANCHOR BOLT TEMPLATE FURNISHED BY POLE MANUFACTURER FOR ANCHOR BOLT ALIGNMENT.

2. ALL EXPOSED HARDWARE TO BE STAINLESS STEEL.

TYPE NO.	BOLT DIA. (IN.)	LENGTH "L" (IN.)	HOOK " H" (I N.)	" T"	PROJECTION "P" (IN.)	
45	3/4	17	3 1/2	5 1/2	3 1/2	
47	1	36	4	6	4	

SUPPLY 2 NUTS & 2 WASHERS WITH EACH BOLT

ANCHOR BOLT DETAIL



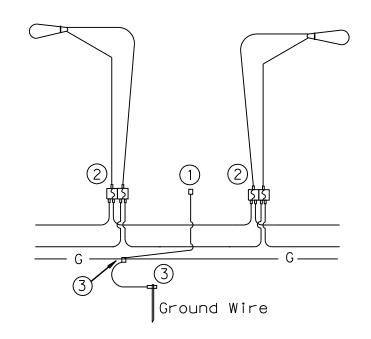
FOR THREE-WIRE CIRCUIT-CENTER GROUNDED LUMINAIRES SERVED AT 240V FOR 120/240 VOLT SERVICE

SINGLE FIXTURE

<u>DRILLED SHAFT FOUNDATION</u> <u>PLAN VIEW (ENLARGED)</u> LINE THROUGH ANCHOR DRILLED SHAFT ---BOLTS PERPENDICULAR FOUNDATION TO LUMINAIRE SUPPORT DIM. "CC" CLEARANCE DIA. FOR LOCATION OF CONDUIT -PROVIDE 24" PIGTAIL VARIABLE IN MEDIAN SEE PLAN FOR CONNECTION OF GROUND WIRE TO POLE ----ANCHOR BOLT-FOUNDATION ¾" CHAMFER-MUST BE LEVEL FINISHED GRADE III III III III 1/4" DIA. SPIRAL REBAR 8" PITCH ON DIA. OF 4" LESS THAN SHAFT VERTICAL REINFORCEMENT-__LOOSE DIRT, WATER EQUALLY SPACED ON AND DEBRIS TO BE INSIDE OF SPIRAL. REMOVED PRIOR (4) 1/2" BARS TO POUR DIAMETER OF DRILL SHAFT — A MINIMUM OF 12' OF #6 SD CU WIRE TO BE PLACED IN BOTTOM OF HOLE AND COVERED WITH 2" OF DIRT.

TYPE	SHA	1 <i>FT</i>	BOLT	ANCHOR	CONDUIT	DISTANCE ACROSS BOL DIM "BB"	
NO.	DEPTH	DIA.	CIRCLE DIA.	TYPE NO.	CLEARANCE DIM. "CC"		
1	60"	18"	9 1/2"	45	4 1/2"	6 ¾"	
2	60"	18"	9 1/2"	45	4 1/2"	6 3/4"	
3	72"	24"	11 1/2"	47	7 1/2	8 3/6 "	
4	72"	24"	11 1/2"	47	7 1/2	8 3/6 "	

DRILLED SHAFT FOUNDATION



FOR THREE-WIRE CIRCUIT-CENTER GROUNDED LUMINAIRES SERVED AT 240V FOR 120/240 VOLT SERVICE DOUBLE FIXTURE

NOTES:

- ① Use threaded, copper or tin-plated copper, pole bonding connector, sized appropriately for conductors.
- Double-Pole Inline fuse and connector, sized appropriately for conductors. Bussmann TRON HEY with 2A0660 & 2A0661 Insulating Boots and LIMITRON KTK-R fast acting fuses or equal 100W fixture use 1 amp fuses, 400 W fixture use 4 amp fuses.
- Split Bolt or other connector.

ELECTRICAL CONNECTION DETAIL



Addison!	TOWN OF ADDISON DALLAS COUNTY, TEXAS	BY	DA

PAVING, DRAINAGE & UTILITY IMPROVEMENTS BELLA LANE

STREET LIGHT DETAILS

con		ing Engin eers - Designe	250 W. Southlake Blvd., Suite 117 Southlake, Tx 76092 (817) 552-6210			
ROJECT	DESIGN	DRAWN	DATE	FILE	SHEET	
)29-03	ICE	ICE	FEB 01, 2011	PW# 2010-08	22	