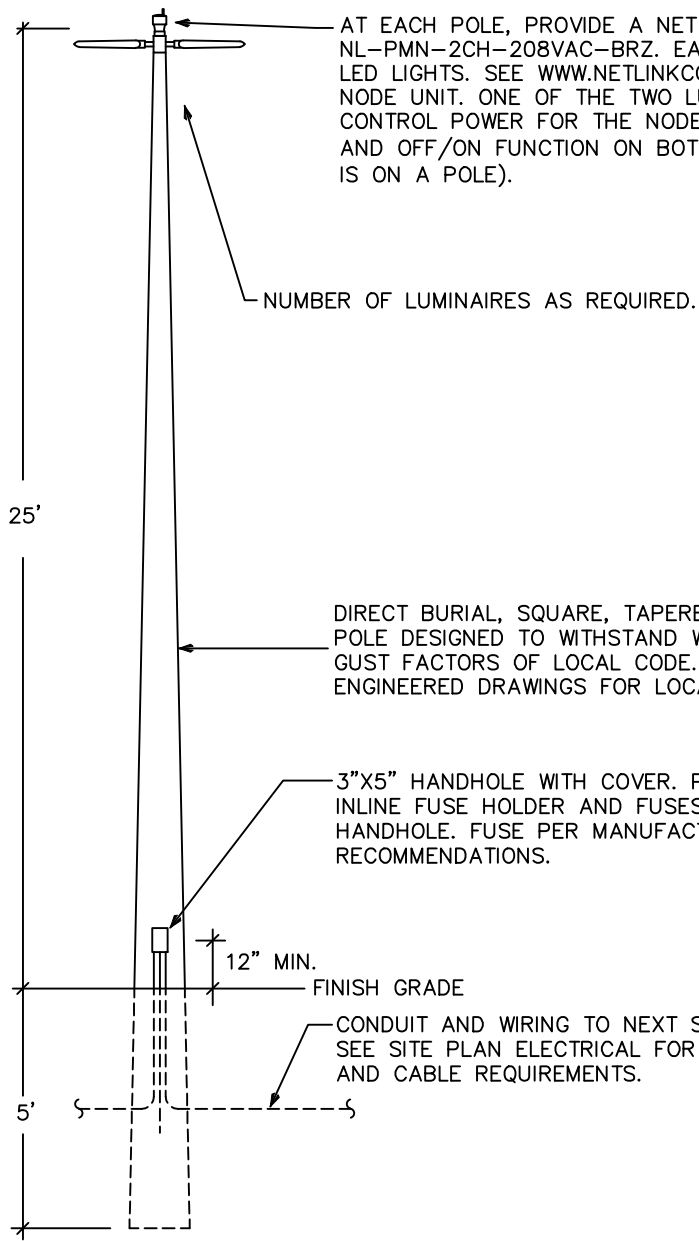
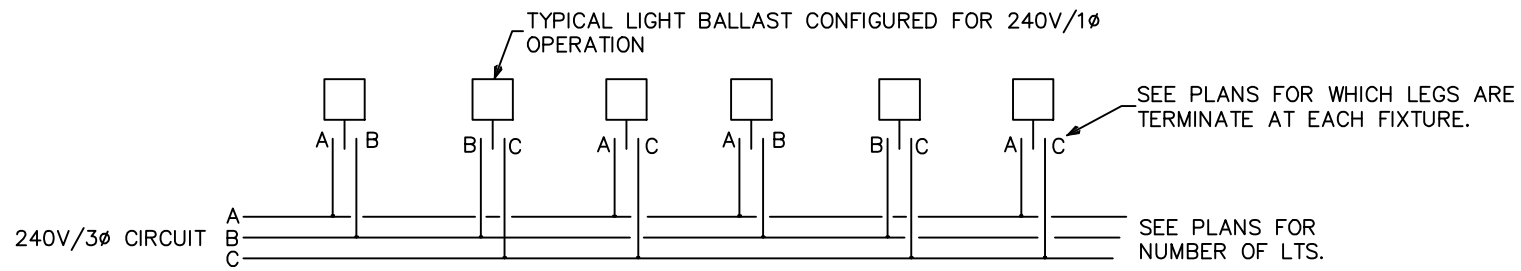


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Missing or invalid reference



2 SITE POLE DETAIL

NO SCALE

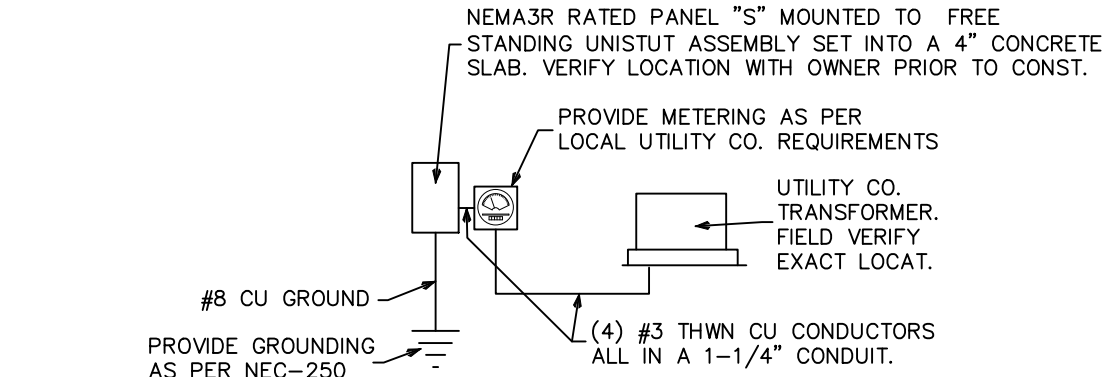


3 BALLAST WIRING DIAGRAM

NO SCALE

PANEL SCHEDULE S																				
100 AMP, 120/208 VOLT, THREE PHASE, FOUR WIRE, 100A. M.C.B., 18000 AMPS MINIMUM A.I.C. BRACING, SURFACE MOUNTED, TYPE NEMA 3R ENCLOSURE																				
#	BKR.	WIRE AND CONDUIT					LOAD DESCRIPTION	NEUT.	LINE A	LINE B	LINE C	LOAD DESCRIPTION	WIRE AND CONDUIT				BKR.	#		
		COND.	NEUTRAL	GND	C.	KEYS							KEYS	C.	GND	NEUTRAL			COND.	
1								0	1120									2		
3	20/3	#10	---	#10	1	CHL	SITE LIGHTING	0	693									4		
5								0		1120				CHL	1	#10	---	#10	20/3	6
7	20/1	#10	#10	#10	1	CHL	SITE LTG CONTROLS	200	600										8	
9							SPACE	0						CHL	1	#10	#10	#10	20/2	10
11							SPACE	0	600										12	
13							SPACE	0				0	SPACE						14	
15							SPACE	0	0			0	SPACE						16	
17							SPACE	0				0	SPACE						18	
WIRE/CONDUIT KEY								2613	2413	1813	PEAK PHASE (A) UNBALANCED NEUTRAL LOAD AMPS = 1.7 AMPS						19. AMPS			
1234 L-TEMP RATING C-CU WIRE INSULATION WIRING TYPE								L-78-86 Deg. F.		6,839		NON DIVERSIFIED LOAD AT 208 VOLT, THREE PHASE =								
PRINTED ON PANELS PROGRAM SERIAL NUMBER 2001.4001																				
REGISTERED TO - TODD W. CAREY AND ASSOCIATES																				

PANEL S DIVERSIFICATION CALCULATIONS			
LIGHTING	5640 X 125% -	7050	
MISC NON-CONTINUOUS LOADS AT 100% -		1200	
TOTAL DIVERSIFIED PANEL LOAD	-	8250	
LOAD AT 120/208V/3-PHASE/4-WIRE	-	22.9A	



4 SITE LTG RISER

NO SCALE



GENERAL SITE WIRING NOTES

- 1.) ALL SITE WIRING IS TO BE A MINIMUM SIZE OF #10 CU, U.O.N., RUN IN A MINIMUM OF A 1" PVC CONDUIT WITH A BURIAL DEPT OF 18" MINIMUM. IF MULTIPLE CIRCUITS ARE RUN IN A COMMON CONDUIT, THE CONTRACTOR IS RESPONSIBLE TO COORDINATE WIRE SIZE WITH NEC REQUIRED DERATING. ALL WIRING HAS BEEN VERIFY TO HAVE LESS THAN A .3% VOLTAGE DROP.
- 2.) ALL SITE POLES ARE TO BE ENGINEERED FOR THE WIND LOADING AS REQUIRED BY THE LOCAL AUTHORITIES. BURIAL DEPTH OF POLES TO BE VERIFY BY POLE MANUFACTURER.

NOTE - SITE LIGHTING FIXTURES ARE TO BE DIMMABLE AND CONTROLLED SO THAT THE DIMMED LUMEN OUTPUT FROM EACH FIXTURE IS LESS THAN 9,500 LUMENS TO SATISFY LIGHTING STANARD 78-668 (e)(5).

1 SITE PHOTOMETRIC / WIRING PLAN

SCALE: 1"=50'-0"

NOTE - LAYOUTS HAVE BEEN REVISED, PLUS CIRCUITING HAS BEEN ADDED.

CAD

PH-1