

New Distribution Panel "A" 120/240 Volts 1Ø, 3WSN 3P400A.F./300A.T. Main Bkr Branch Bkr I.C. 10,000 Amps Surface, 20" Wide Cabinet, Industrial-Bolted, NEMA 4X Stainless Steel					
CKT NO.	BKR	L O A D	KVA		WIRE
			L1	L2	
1,3	2P100A	existing panel "A"	2.4	2.4	#2
2,4	2P200A	New Panel "W"	19.2	19.2	#3/0
5,7	2P	P F B			
6,8	2P	P F B			
9,11	2P	P F B			
10,12	2P	P F B			
13,15	2P	P F B			
14,16	2P	P F B			
17,19	2P	P F B			
18,20	2P	P F B			
21,23	2P	P F B			
22,24	2P	P F B			
T O T A L			21.6	21.6	

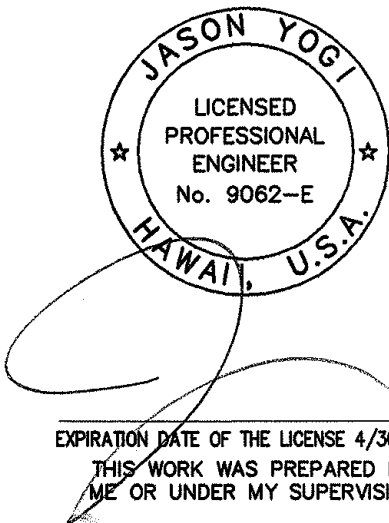
New Panel "W" 120/240 Volts 1Ø, 3WSN 225A Main Lugs Only Branch Bkr I.C. 10,000 Amps Surface, 20" Wide Cabinet, Industrial-Bolted, NEMA 4X Stainless Steel					
CKT NO.	BKR	L O A D	KVA		WIRE
			L1	L2	
1,3	2P40A	PW-1	3.4	3.4	8
2,4	2P40A	PW-1	3.4	3.4	8
5,7	2P40A	PW-1	3.4	3.4	8
6,8	2P40A	PW-1	3.4	3.4	8
9,11	2P40A	WTS-2	3.6	3.6	8
10	1P20A	Light-NL	1.0		10
12	1P20A	Light-NL		1.0	10
13	1P20A	SP-1	1.0		12
14	1P20A	Timeswitch	0.1		12
15	1P	P F B			
16					
17					
18					
19					
20					
21					
22					
23					
24					
T O T A L			20.2	19.2	

ELECTRICAL SYMBOLS

- Post Light Luminaire
- Duplex Convenience Outlet, 3W20A, Ground Fault Grounding Type +16" Unless Otherwise Noted
- Special Outlet, +16", Size And Rating As Indicated Or As Required
- Main Service Equipment
- Wall Junction box, 4-11/16" Square Minimum
- Large Junction Box
- Panelboard
- existing panelboard
- WP Weatherproof
- Equipment Connection
- Safety Switch
- A-2/48 Luminaire Designation, Type "A-2/48" Indicated
- x-eoh-x- existing overhead lines to be removed
- wiring in existing raceway
- Wiring In Raceway Concealed In Floor Or Below Grade
- Wiring In Exposed Raceway

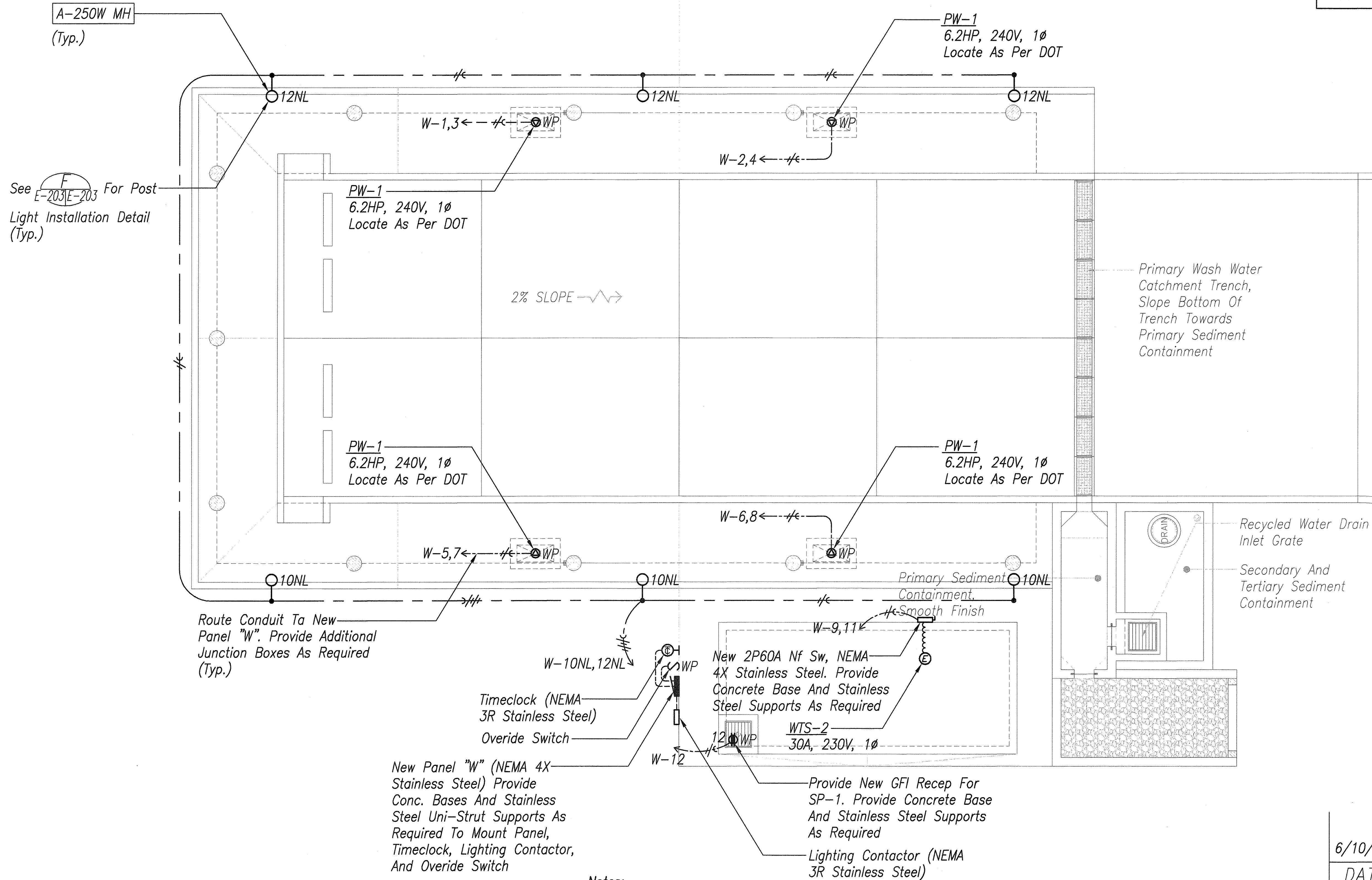
- Notes:
- Any Circuit With No Further Designation Indicates A Two Wire Circuit. Circuits With Additional Wires Are Indicates As Follows: ~~///~~, 3 Wires: ~~///~~, 4 Wires, Etc.
 - Ground Wire Per National Electrical Code Indicated As Follows: ~~---~~
 - All Exposed Conduit And Boxes Shall Be Painted To Match Adjacent Wall Or Ceiling Surrounding

DATE	_____
DESIGNED BY	_____
DRAWN BY	_____
CHECKED BY	_____
NOTED BY	_____
ORIGINAL PLAN	_____
No.	_____



6/10/08	Revised Panel Schedule And Electrical Symbols
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
P. SCHEDULES, ELECT'L SYMBOLS (PEARL CITY BASEYARD)	
KANEHOE, PEARL CITY AND WAIANAE BASEYARD WASHDOWN RACKS Project No. HWY-0-09-06	
Scale:	Date: MAY 2008
SHEET No. E-200 OF 46 SHEETS	

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-0-09-06	2008	ADD.35	46



DATE
SURVEY PLOTTED BY
DESIGNED BY
NOTED BY
CHECKED BY
ORIGINAL PLAN
NOTE BOOK
No.

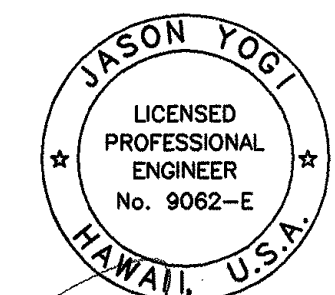
1



E-202E-202

ENLARGED ELECTRICAL PLAN (PEARL CITY BASEYARD)

SCALE : 1/4" = 1'-0"



EXPIRATION DATE OF THE LICENSE 4/30/2010
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

6/10/08	1	Revised Electrical Plan
DATE		REVISION

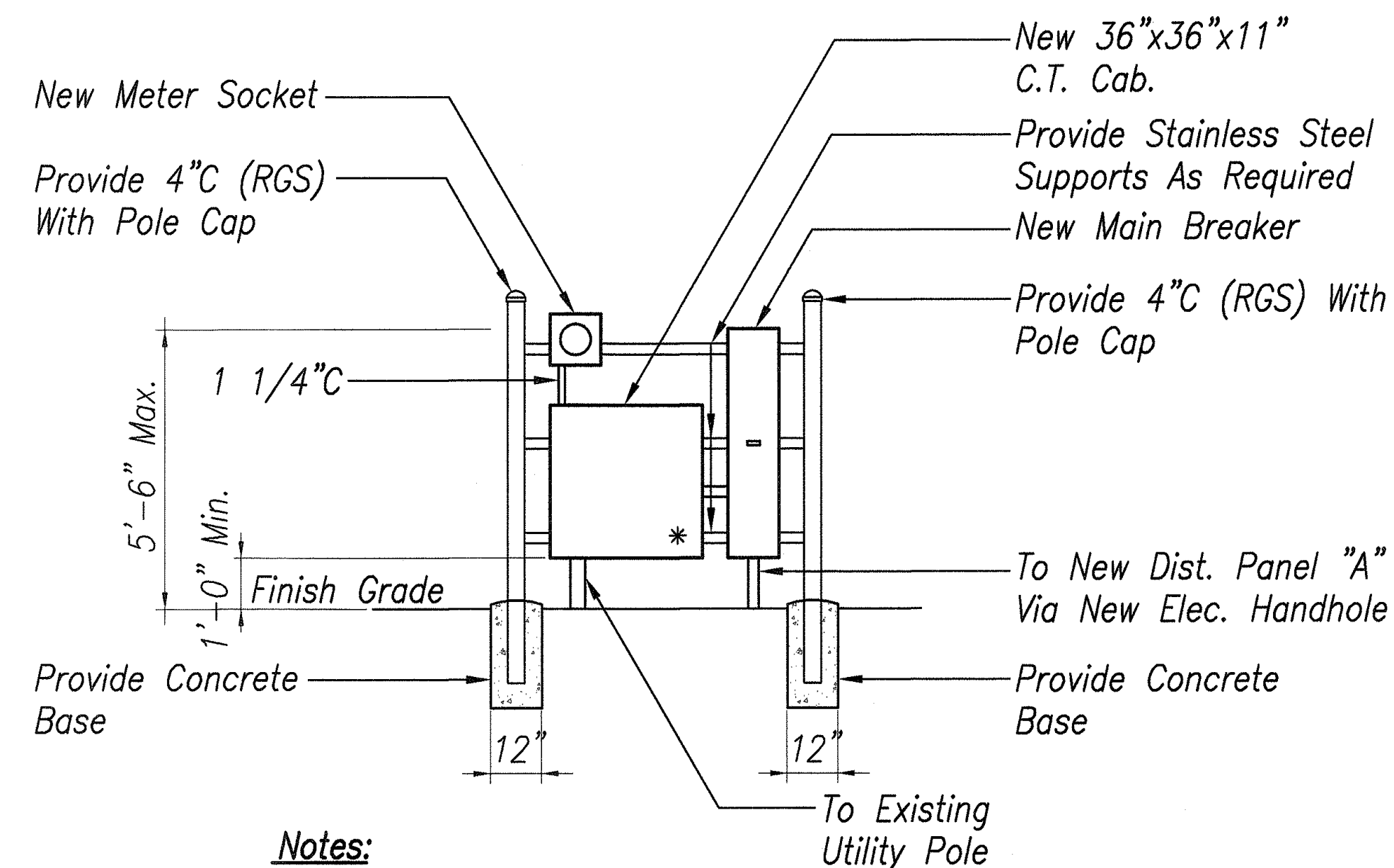
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
ENLARGED ELECTRICAL PLAN
(PEARL CITY BASEYARD)
KANEOHE, PEARL CITY AND WAIANAE
BASEYARD WASHDOWN RACKS
Project No. HWY-0-09-06

Scale: 1/4" = 1'-0" Date: MAY 2008

SHEET No. E-202 OF 46 SHEETS

ADD.35

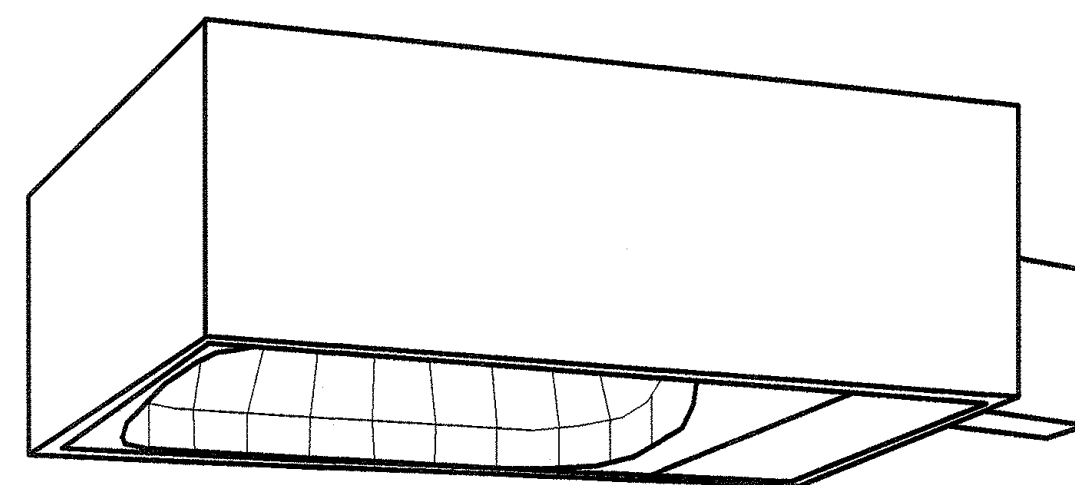
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-0-09-06	2008	ADD.36	46



Notes:

- * - Indicates Sealable Enclosure.
- All Equipment And Enclosures Shall Be Rated NEMA 4X Stainless Steel, Weatherproof.
- Provide Concrete Bollards If Required By HECO.
- Coordinate All Work With HECO.

MAIN SERVICE EQUIPMENT ELEVATION
SCALE : 3/8" = 1'-0"



Housing: Heavy Gauge Extruded Aluminum, Mitered Corners, Minimum 10" Deep x 28-9/16" Long, Internally Welded And Sealed Corners For Weather-Tightness.

Lens Frame: Envelope-Type, One Piece Gasket That Seals Inside And Outside Of Lens, To Be 3/16" Thick Impact Resistant, Clear Tempered Glass. Door Can Be Removed And Replace Without The Use Of Tools.

Ballast Assembly: Self Contained Pre-Wired Ballast Module, With Primary And Secondary Quick Disconnect Wiring Feature.

Reflector: One Piece Hydroformed With Specular Finish.

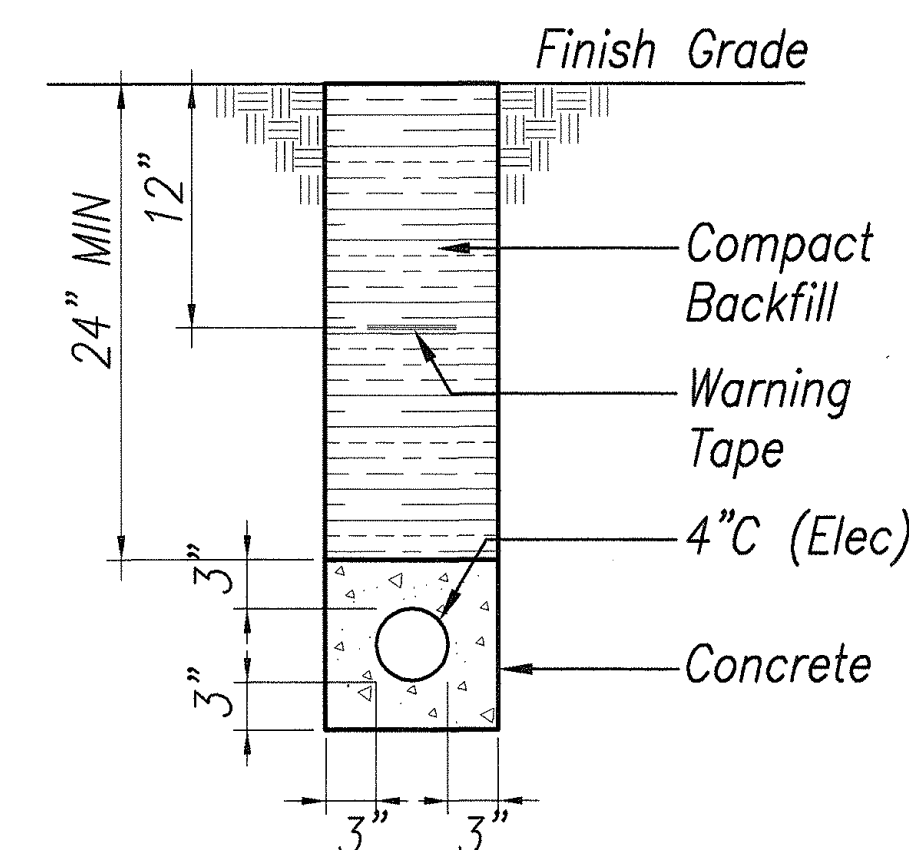
Optimal Cahmber: Sealed and Gasketed At Door Frame, Socket And Wire Entry.

Finish: Architectural Class I Dark Bronze Anodize Coating.

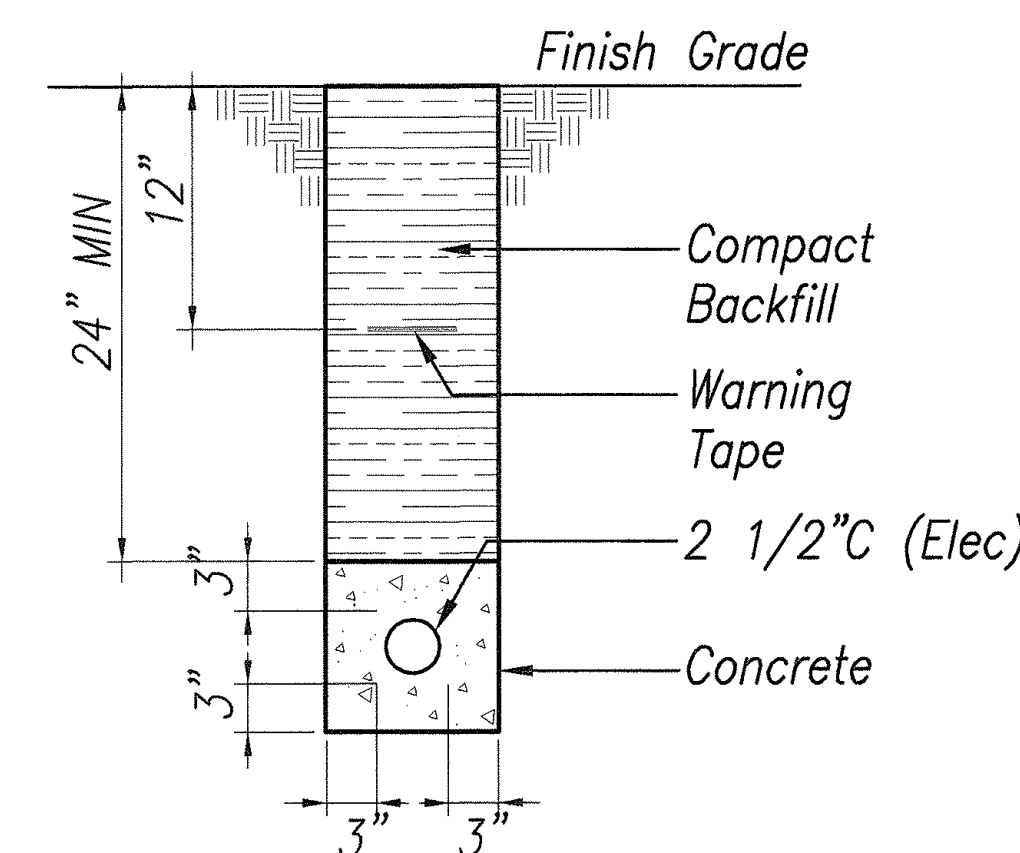
Provide Type III Distribution

120V

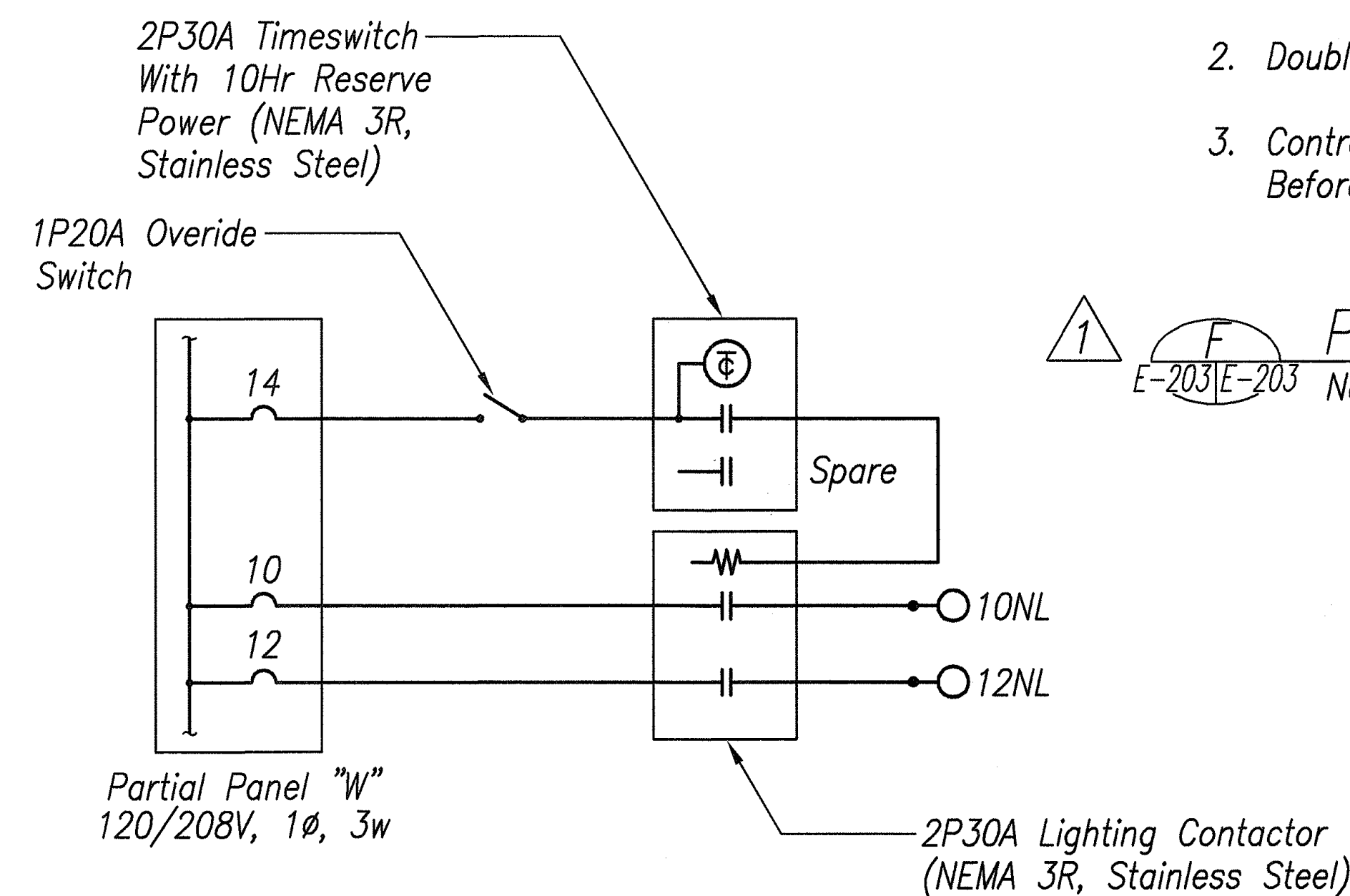
LUMINAIRE TYPE "A"-250W METAL HALIDE LAMP



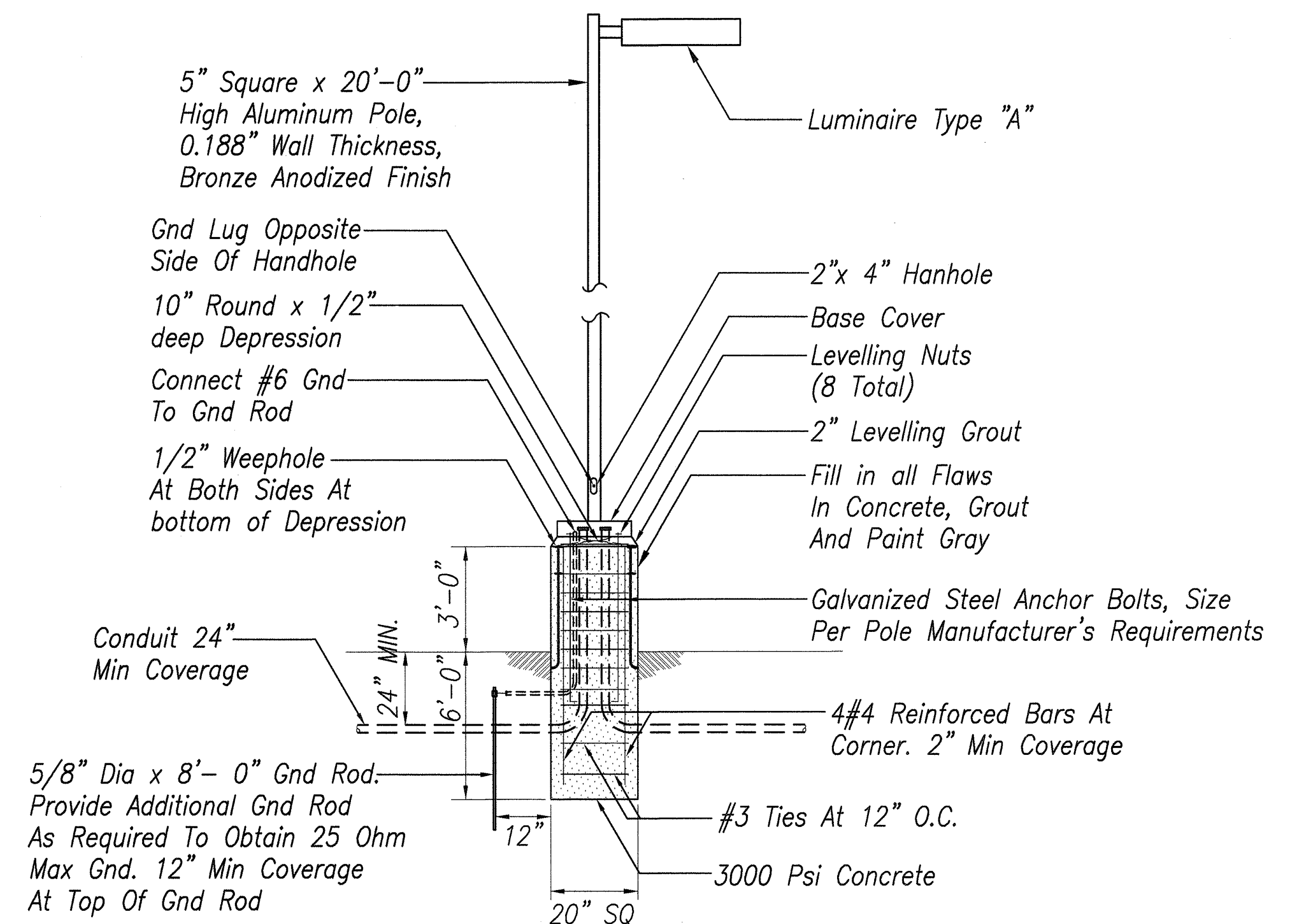
DUCT SECTION B
Not To Scale



DUCT SECTION C
Not To Scale



NIGHT LIGHT CONTROL WIRING DIAGRAM



NOTES:

- All Bases Shall Be 2'-0" Away From Concrete Curbing And Walkways.
- Double Nut Anchor Bolts And Coat With Bitumous Paint.
- Contractor To Verify Exact Location Of Light Pole Bases Before Any Excavation.

POST LIGHT INSTALLATION DETAIL
Not To Scale



6/10/08	1 Added Details And Diagram
DATE	REVISION

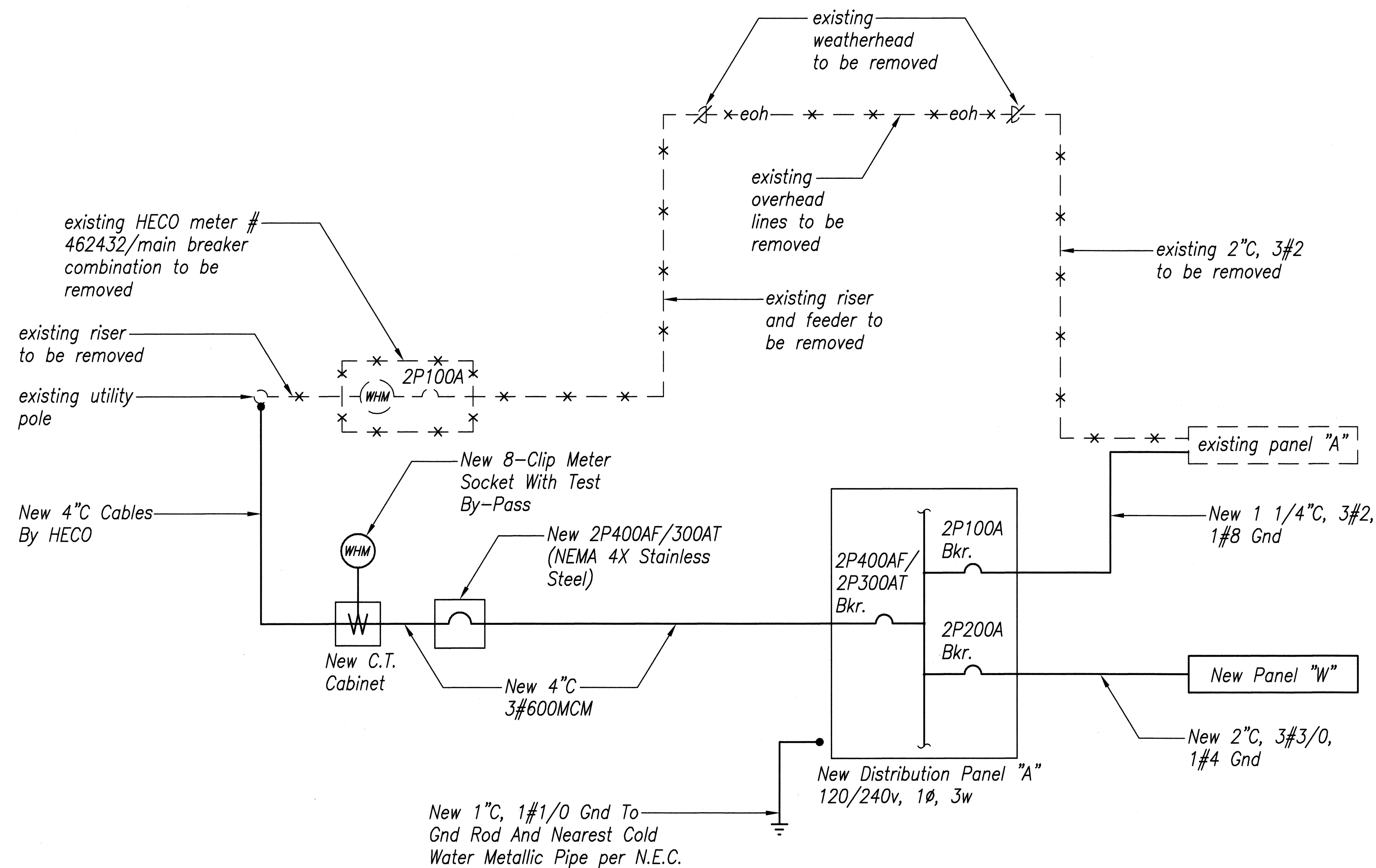
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
DETAILS, DIAGRAM, LUM. DET.
(PEARL CITY BASEYARD)
KANE OHE, PEARL CITY AND WAIANAE
BASEYARD WASHDOWN RACKS
Project No. HWY-0-09-06

Scale: 3/8" = 1'-0" Date: MAY 2008

SHEET No. E-203 OF 46 SHEETS

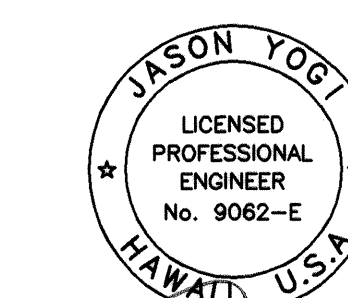
ADD.36

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-0-09-06	2008	37	46



A SINGLE LINE DIAGRAM (PEARL CITY BASEYARD)
E-204 E-204

ORIGINAL PLAN	DATE
SURVEY PLOTTED BY	
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
No.	



EXPIRATION DATE OF THE LICENSE 4/30/2010
THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**SINGLE LINE DIAGRAM
(PEARL CITY BASEYARD)**

KANEOHE, PEARL CITY AND WAIANAE
BASEYARD WASHDOWN RACKS
Project No. HWY-0-09-06

Scale: Date: MAY 2008

SHEET No. E-204 OF 46 SHEETS