RACEWAYS & CONDUCTORS

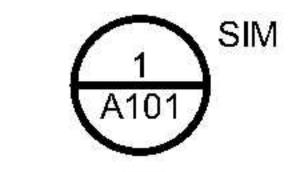
INSTALL PER NEC 210.4

RACEWAY AND CONDUCTORS

RACEWAY AND CONDUCTORS - NEW WORK

- PANELBOARD / EQUIPMENT
- DUPLEX RECEPTACLE, 20 AMP, 125 VOLT, 3 WIRE, +18" AFF OR AS NOTED
- DUPLEX RECEPTACLE, 20 AMP, 125 VOLT, 3 WIRE, MOUNTED 6" ABOVE COUNTER OR AS NOTED
- DOUBLE DUPLEX RECEPTACLE, 20 AMP, 125 VOLT, 3 WIRE, +18" AFF OR AS NOTED
- FLUSH FLOOR MOUNTED POWER RECEPTACLE, 20 AMP, 125 VOLT, 3 WIRE, HUBBELL B2529 FLOOR BOX, S3925 BRASS COVER
- NEMA OUTLET, RATING AS INDICATED, +18" AFF OR AS NOTED
- JUNCTION BOX, FLOOR MOUNTED
- JUNCTION BOX, WALL MOUNTED
- CLOCK RECEPTACLE
- EQUIPMENT CONNECTION
- MOTOR CONNECTION, FURNISHED BY MECHANICAL, INSTALLED BY ELECTRICAL
- MAGNETIC STARTER, FURNISHED BY MECHANICAL, INSTALLED BY ELECTRICAL
- DISCONNECT SWITCH,
- FURNISHED BY MECHANICAL, INSTALLED BY ELECTRICAL
- EQUIPMENT MOTOR SWITCH, FURNISHED BY MECHANICAL, INSTALLED BY ELECTRICAL
- HANDHOLE
- MANHOLE

SYMBOL

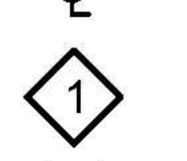


VIEW REFERENCE

NORTH ARROW



CENTERLINE



NOTE REFERENCE

KEYNOTE REFERENCE



LUMINAIRE DESIGNATION, REFER TO LUMINAIRE SCHEDULE

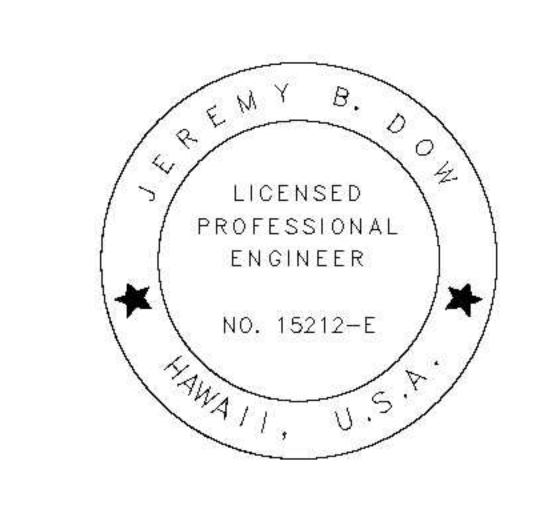
ABBREVIATIONS

- ARC FAULT BREAKER
- CONDUIT
- CURRENT LIMITING FUSE
- COPIER
- DISPOSAL
- DISHWASHER
- EVENING LIGHT, TIMESWITCH CONTROLLED
- EWC ELECTRONIC WATER COOLER
- GROUND FAULT CIRCUIT INTERRUPTER
- HACR BREAKER
- HECO HAWAIIAN ELECTRIC COMPANY
- HELCO HAWAI'I ELECTRIC LIGHT COMPANY (BIG ISLAND)
- INSULATED GROUND CIRCUIT(S)
- KIUC KAUA'I ISLAND UTILITY COOPERATIVE
- LIGHT(S)
- LIGHTING CONTACTOR
- LOCKABLE BREAKER
- MDP MAIN DISTRIBUTION PANEL
- MECO MAUI ELECTRIC COMPANY
- MW MICROWAVE
- NIGHT LIGHT, TIMESWITCH CONTROLLED
- PFB PROVISIONS FOR BREAKER
- RECEPTACLE(S)
- REF REFRIGERATOR
- SPARE BREAKER
- TBWP THERMOPLASTIC BRAIDED WEATHER PROOF
- WEATHERPROOF
- 4X NEMA 4X STAINLESS STEEL

TAMPER RESISTANT

GENERAL NOTES

- INSTALLATION SHALL COMPLY WITH THE 2017 NATIONAL ELECTRICAL CODE, LOCAL AMENDMENTS, AND NECA STANDARDS OF INSTALLATION.
- EXISTING EQUIPMENT INFORMATION SHOWN ON THESE DRAWINGS SHOULD BE FIELD VERIFIED. CONFIRM EQUIPMENT LOCATIONS WITH OWNER AND ADJUST AS REQUIRED.
- 3. ALL CONDUCTOR SIZES SHOWN ARE BASED ON COPPER.
- MAINTAIN MINIMUM 6" CLEARANCE BETWEEN CONDUIT AND PIPING. MAINTAIN 12" CLEARANCE BETWEEN CONDUIT AND HEAT SOURCES SUCH AS FLUES, HEATING PIPES, AND HEATING APPLIANCES.
- VERIFY CEILING TYPES THROUGHOUT; PROVIDE ALL MOUNTING ACCESSORIES, TRIM, FLANGES, OUTLET BOXES, ETC. FOR A COMPLETE AND FINISHED INSTALLATION.
- ALL EQUIPMENT AND MATERIALS ARE UL LISTED WHERE LISTING IS AVAILABLE FOR THAT TYPE OF EQUIPMENT OR CONFORM TO ANSI OR NEMA STANDARDS.
- WORKMANSHIP SHALL CONFORM TO CONSTRUCTION PRACTICES RECOMMENDED BY THE AMERICAN ELECTRICIANS HANDBOOK BY CROFT (LATEST EDITION) AND WILL BE SUBJECTED TO THE APPROVAL OF THE AGENCY THAT HAS JURISDICTION AND THE ENGINEER OF RECORD.
- TEST COMPLETED INSTALLATION AND CORRECT ALL DEFICIENCIES FOUND IN THE SYSTEM OR INSTALLATION.
- ALL EXISTING CIRCUITS AFFECTED DURING ELECTRICAL INSTALLATION SHALL BE RESTORED TO THEIR ORIGINAL OPERATING CONDITION.
- THE CONTRACTOR SHALL MAKE EVERY EFFORT TO VERIFY THE LOCATION OF EXISTING UTILITIES PRIOR TO DEMOLITION, DIGGING, TRENCHING, OR SIMILAR OPERATIONS. COORDINATE WITH THE CONSTRUCTION MANAGER OR OWNERS REPRESENTATIVE TO REVIEW EACH WORK AREA PRIOR TO BEGINNING WORK.
- 11. ALL EXISTING CONDITION SHOWN ON THE DRAWINGS IS FROM THE BEST AVAILABLE AS-BUILT DRAWINGS AND LIMITED SITE-SURVEY. CONTRACTOR SHALL FIELD VERIFY THE ACTUAL CONDITION BEFORE CONSTRUCTION AND REPORT ANY DISCREPANCIES TO THE ENGINEER.
- 12. ELECTRICAL DRAWINGS ARE DIAGRAMMATIC AND DO NOT SHOW ALL CONDUIT AND CONNECTIONS BETWEEN RESPECTIVE DEVICES, FIXTURES, AND EQUIPMENT. CONTRACTOR TO DETERMINE EXACT ROUTING OF CONDUIT CONNECTIONS BETWEEN RESPECTIVE DEVICES, FIXTURES, AND EQUIPMENT. REFER TO ARCHITECTURAL AND MECHANICAL PLANS FOR EXACT LOCATIONS.
- 13. PROVIDE CIRCUIT IDENTIFICATION LABEL ON DEVICES, LIGHT SWITCHES, AND EQUIPMENT.
- 14. SCAN REBAR PRIOR TO DRILLING. ALERT ENGINEER IF ANY REBAR IS CUT.



ME OR UNDER MY SUPERVISION

STATE OF HAWAI'I DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION

ABBREVIATIONS, SYMBOLS LEGEND, AND SHEET INDEX LIKELIKE HIGHWAY WILSON TUNNEL ELECTRICAL **IMPROVEMENTS**

HWY-OT-SMP-01 Scale: N.T.S

OF 19 SHEETS