FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-0-03-05M	2007	26	36

LOW LEVEL HIGHWAY LIGHT FIXTURE SPECIFICATIONS

BALLAST: Ballast shall be multi-tap 240/480V.

OPTICAL SYSTEM: Optical system shall be adjustable, sharp cutoff type consisting of a hydroformed specular Alzak primary reflector with both parabolic and cylindrical reflecting surfaces, auxiliary reflecting elements and a support frame. Reflector assembly shall be rotatable to permit adjustment of cutoff from 70° through 86° above nadir. Internal cutoff scale, calibrated in degrees, shall be provided to indicate the exact cutoff angle.

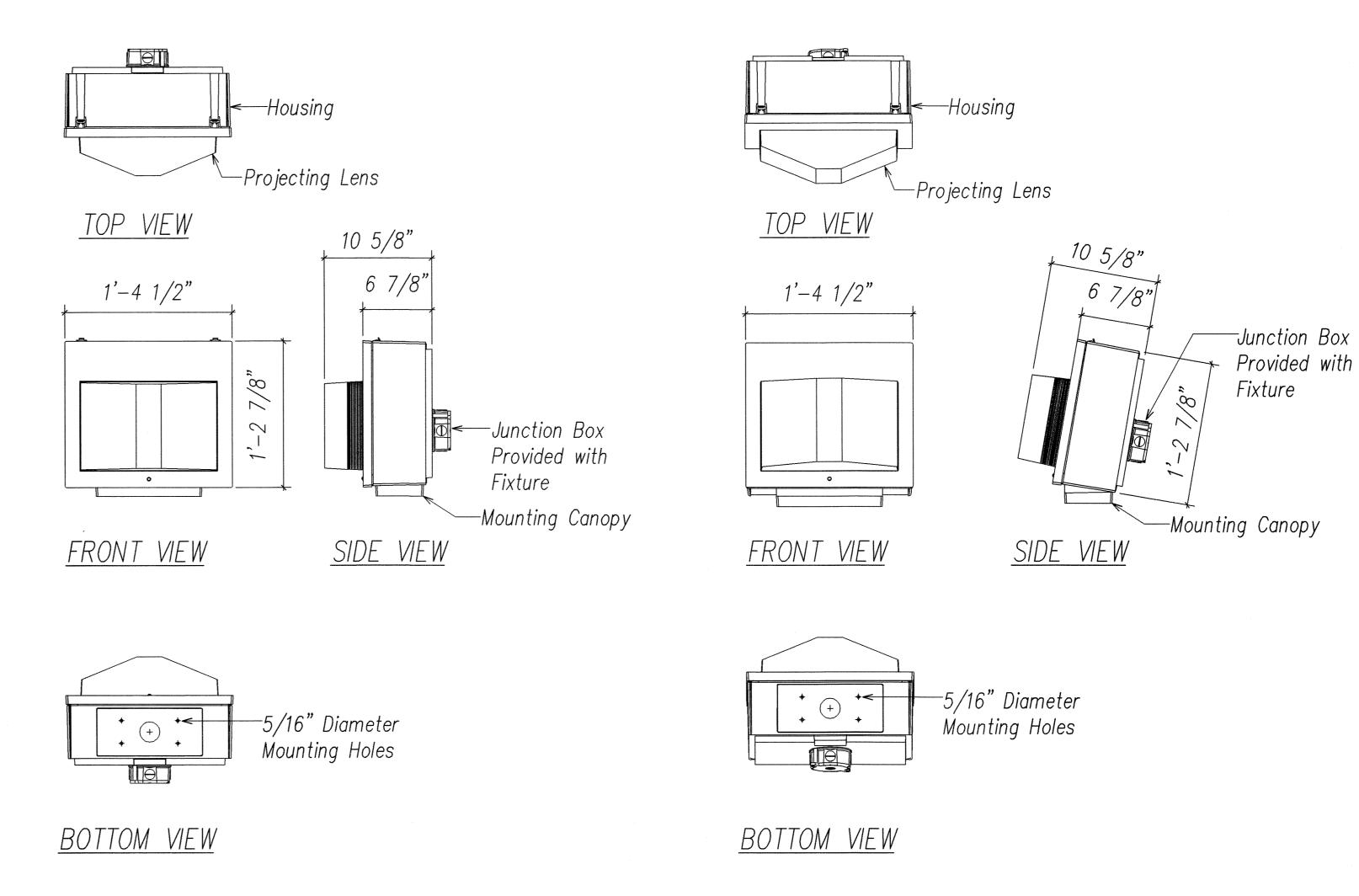
FINISH: Finish on housing shall consist of cleaning, etching and rinsing followed by a protective polymer primer, deionized water rinse, oven dry off and top coated with a thermoset TGIC super polyester powder coat finish. Finish shall meet the AAMA 605.2 performance specification which includes passing a 3000 hour salt spray test for corrosion resistance.

HOUSING: Housing shall consist of heavy gauge diecast aluminum construction. Housing shall include a gasketed, hinged door frame. Door frame shall be heavy—duty cast aluminum and retained by two stainless steel torsion springs when opened for relamping or rotation of the adjustable reflector assembly. All exterior hardware shall be stainless steel.

LENS: Projecting lens shall be vandal—resistant, U.V. stabilized injection molded polycarbonate, capable of spreading light horizontally at a full 180° with minimal vertical distortion; flat lens shall be tempered glass, capable of spreading light horizontally at a full 130° with minimal vertical distortion. Lens shall be gasketed and secured from inside the cast aluminum door frame.

ELECTRICAL: Fixture shall be U.L. listed and CSA approved for use in outdoor wet locations. Ballast shall be high power factor multi—tap style 240/480V.

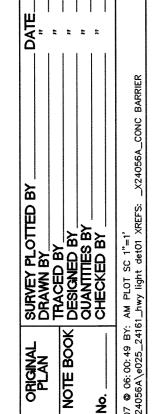
MANUFACTURER: Moldcast Paracyl or approved equivalent.

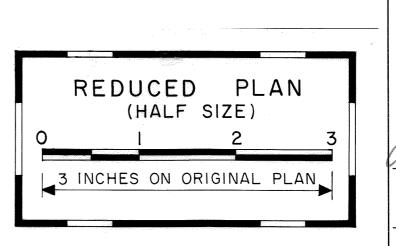


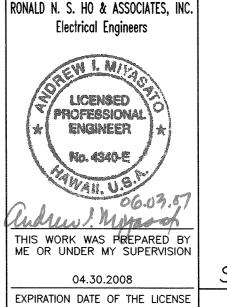
O DEGREE TILT FIXTURE

4 OR 8 DEGREE TILT FIXTURE









DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

LOW LEVEL HIGHWAY

LIGHT FIXTURE DETAILS

H-2 RAIL LIGHT REPLACEMENT,
VICINITY OF WAHIAWA OFF RAMP

Project No. HWY-0-03-05M
Scale: AS NOTED Date: JUNE 2007
SHEET No. E-25 OF 35 SHEETS