

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-0-03-05MR	2008	26	38

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.

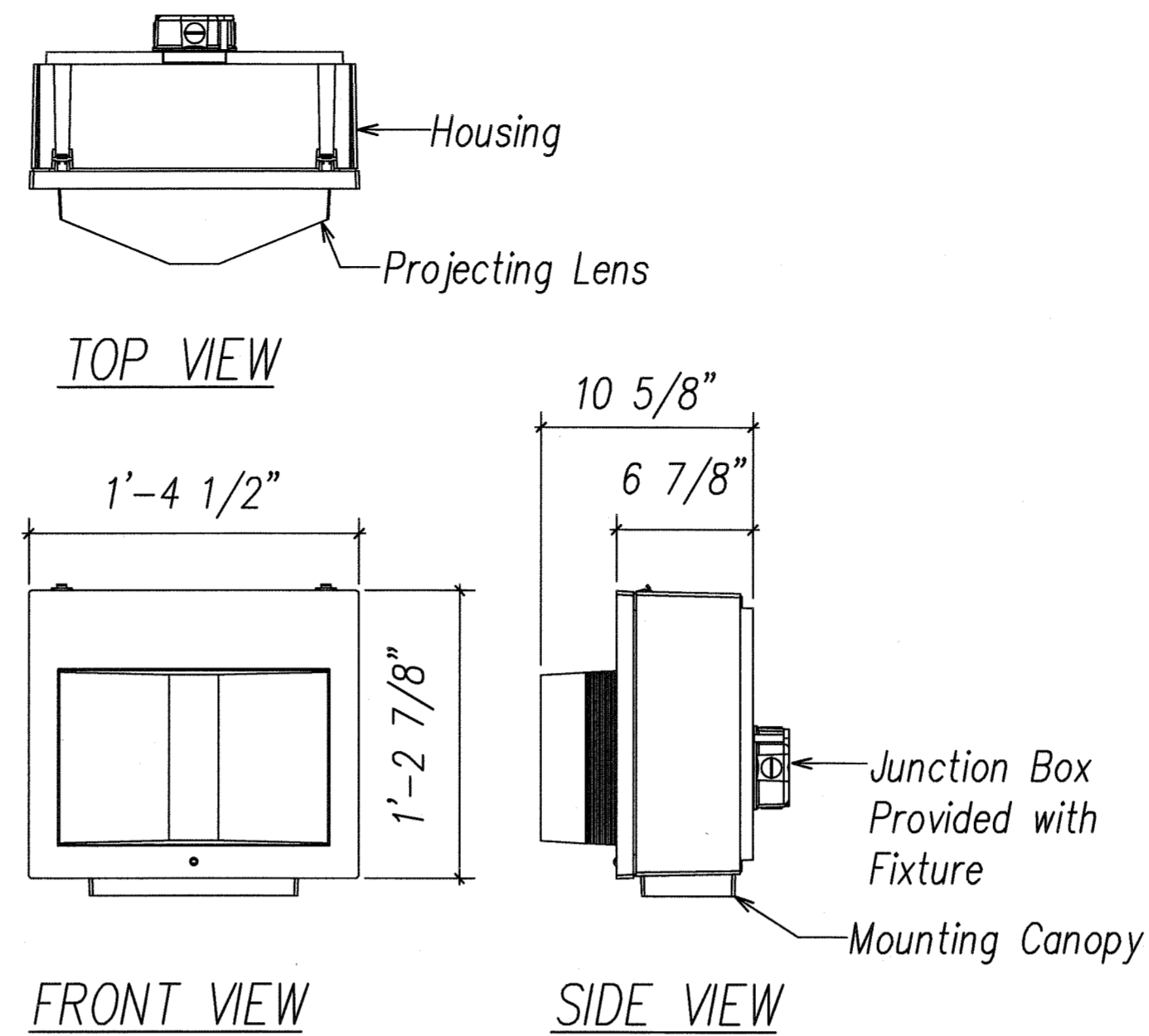
FINISH: Finish on housing shall consist of cleaning, etching and rinsing followed by a protective polymer primer, deionized water rinse, oven dry off and top coated with a thermoset TGIC super polyester powder coat finish. Finish shall meet the AAMA 605.2 performance specification which includes passing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

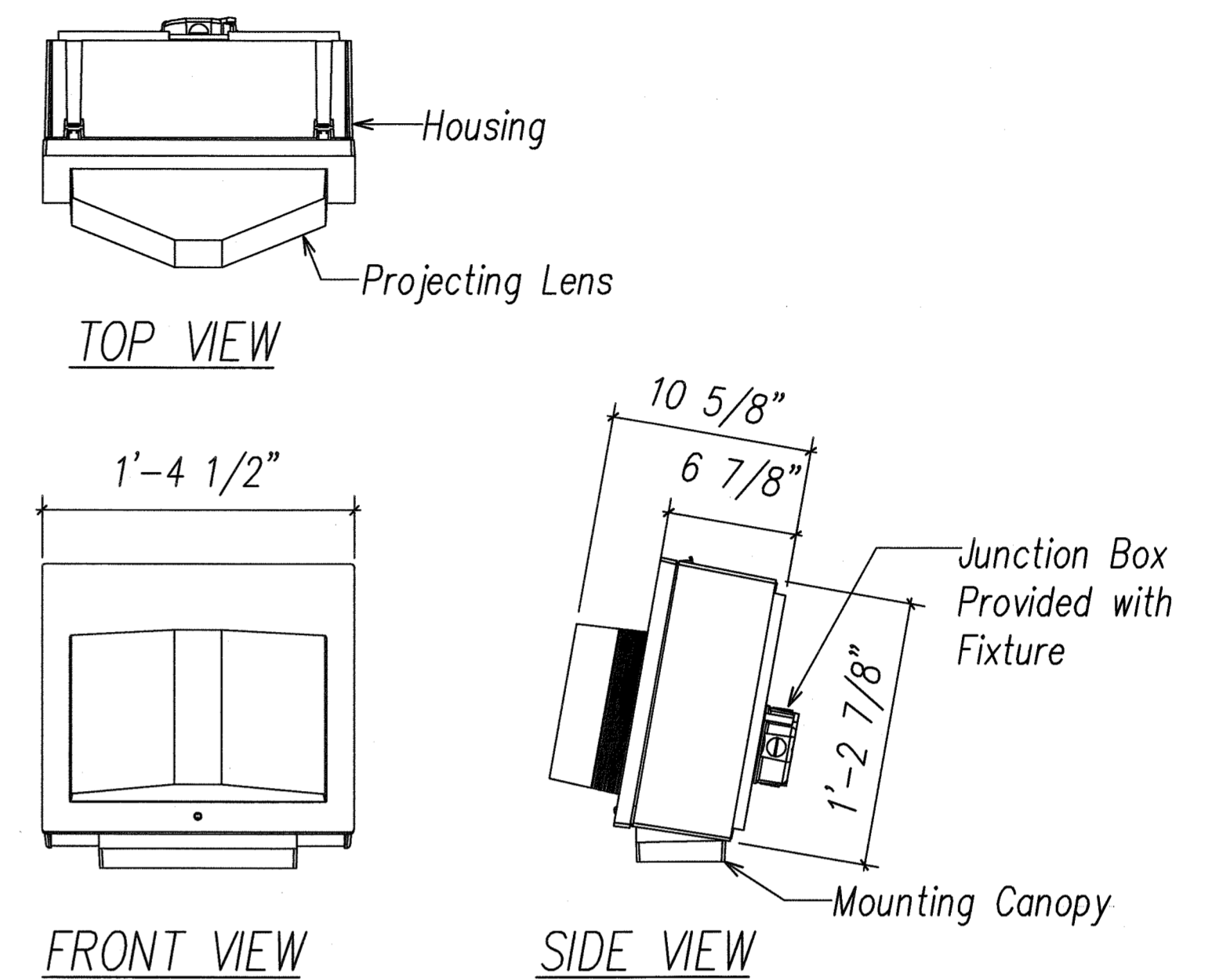
LENS: Projecting lens shall be vandal-resistant, U.V. stabilized injection molded polycarbonate, capable of spreading light horizontally at a full 180° with minimal vertical distortion; flat lens shall be tempered glass, capable of spreading light horizontally at a full 130° with minimal vertical distortion. 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.



0 DEGREE TILT FIXTURE



4 OR 8 DEGREE TILT FIXTURE

1 LOW LEVEL HIGHWAY LIGHT FIXTURE DETAILS
E-25 NOT TO SCALE

ORIGINAL PLAN	DATE
DRAWN BY	
TRACED BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
No.	

LAST SAVE: 06/03/07 © 06:06:48 BY: AM PLAT SC 1"=1'
Z:\CAD\PROJECTS\24056A\022_2418_1.rvt LIGHT FIXTURE SHEETS: _24056A_CONC BARRIER

	STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION		
	<u>LOW LEVEL HIGHWAY LIGHT FIXTURE DETAILS</u> H-2 RAIL LIGHT REPLACEMENT, VICINITY OF WAHIAWA OFF RAMP		
	Project No. HWY-0-03-05MR Scale: AS NOTED	Date: MAY 2008	
	SHEET No. E-25 OF 35 SHEETS		