

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-K-01-97	1998	7	12

NOTES:

DESIGN SPECIFICATIONS:

Hawaii Department of Transportation, Standard Specifications for Road And Bridge Construction, 1994; together with Special Provisions prepared for this contract.

AASHTO LRFD 1994 Bridge Design Specifications - U.S. Units First Edition 1994 and its subsequent 1996 Interim Revisions with interim supplements and modifications by the Highways Division, Department of Transportation, State of Hawaii.

DESIGN LOADS:

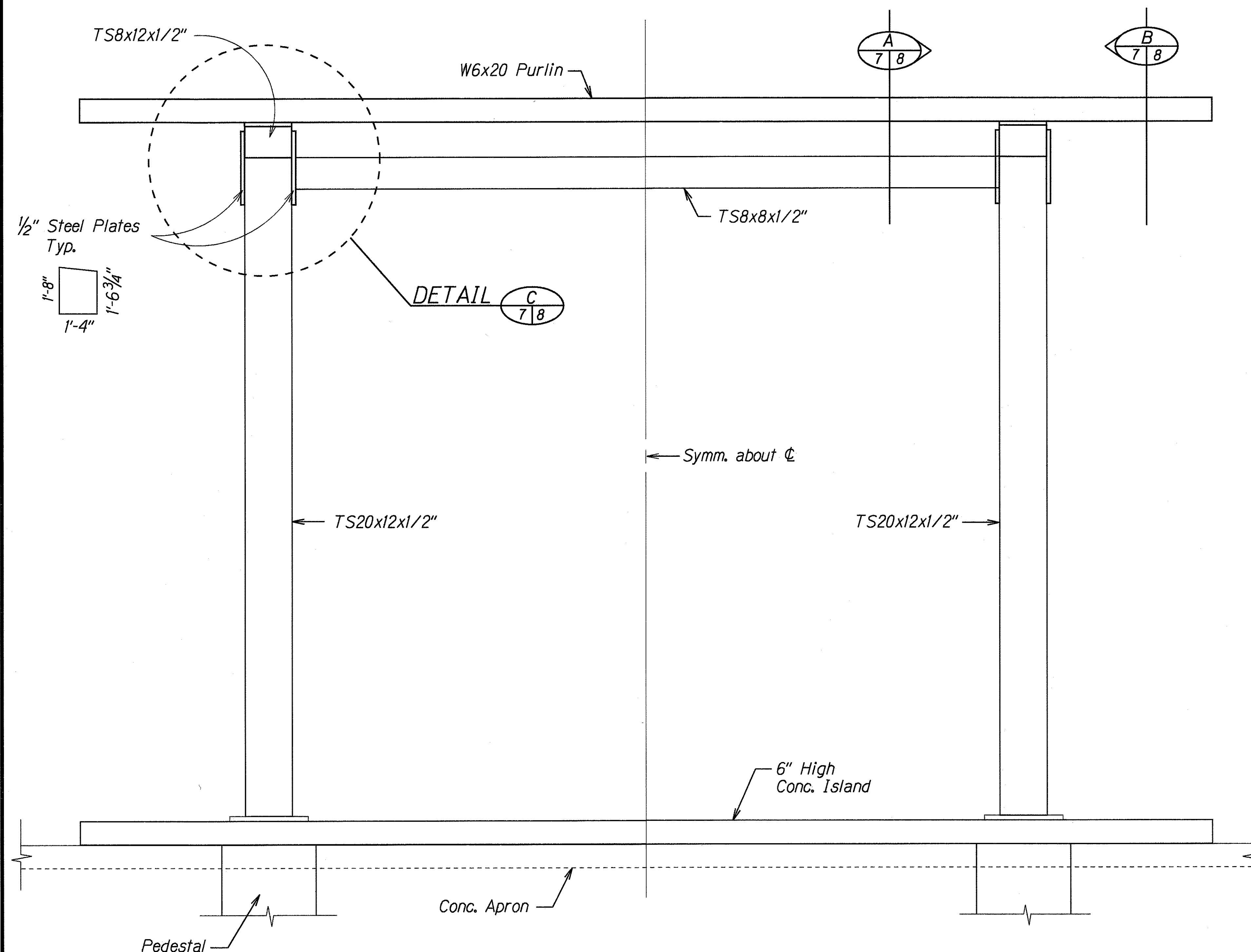
A. Dead Load: Concrete: 160 pcf
Steel: 490 pcf

MATERIALS:

- All concrete shall be Class A.
- All reinforcing shall be ASTM A615, Grade 60.
- All structural steel shall be ASTM A36 hot-dip galvanized after fabrication, unless noted otherwise.
- All anchor bolts, carriage bolts, washers and nuts shall be ASTM A307 hot-dip galvanized after fabrication unless noted otherwise.
- 6" high concrete curbing shall be reinforced as shown on Sht. No. 9.

CONSTRUCTION NOTES:

- Except as noted otherwise, all welds shall conform to the latest Specifications For Welded Highway And Railway Bridge Design Construction and Repair of The American Welding Society.
- The Contractor shall be solely responsible in verifying the location of all utility lines and notify the respective owners before commencing with any work.
- The Contractor shall verify all site conditions and not rely upon these plans for access road, stream location, etc. Conditions may differ from those shown due to work performed by other Contracts.
- Except as noted otherwise, all vertical dimensions are measured plumb.
- Unless noted otherwise, all exposed concrete edges shall be chamfered $\frac{3}{4}$ ".
- The canopy structure shall be bid on a lump sum basis under Item No. 501.0300 - Steel Canopy Structure of the proposal. The lump sum price for the canopy structure shall include furnishing materials, tools, equipment and labor for completing the following work:
 - Structural excavation and backfill;
 - Concrete, Class A, for footing and pedestals;
 - Steel reinforcement for concrete;
 - Steel structure, including columns, struts, beams, plates and metal roof system; and
 - Surface preparation, priming and painting of the steel structure and roofing sysytem.
- All plumbing and electrical work shall be included in the lump sum price under Item No. 678.1006 - Aboveground Fuel Tank, Dispensing and Ticketing System.



Note: For Clarity, Roofing Panels Are Not Shown on This Detail.

FRAMING DETAILS - CANOPY STRUCTURE

Scale: $\frac{3}{4}$ " = 1'-0"

DESIGNED BY	DATE
DRAWN BY	11/2/97
CHECKED BY	
NOTED BY	
QUANTITIES BY	
ORIGINAL PLAN	

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION
FRAMING PLAN AND NOTES
KAPAA BASEYARD FUEL STORAGE TANK AND FUEL DISPENSING SYTEM PROJECT NO. HWY-K-01-97
Scale: As Noted Date: November, 1997
SHEET No. 4 OF 8 SHEETS