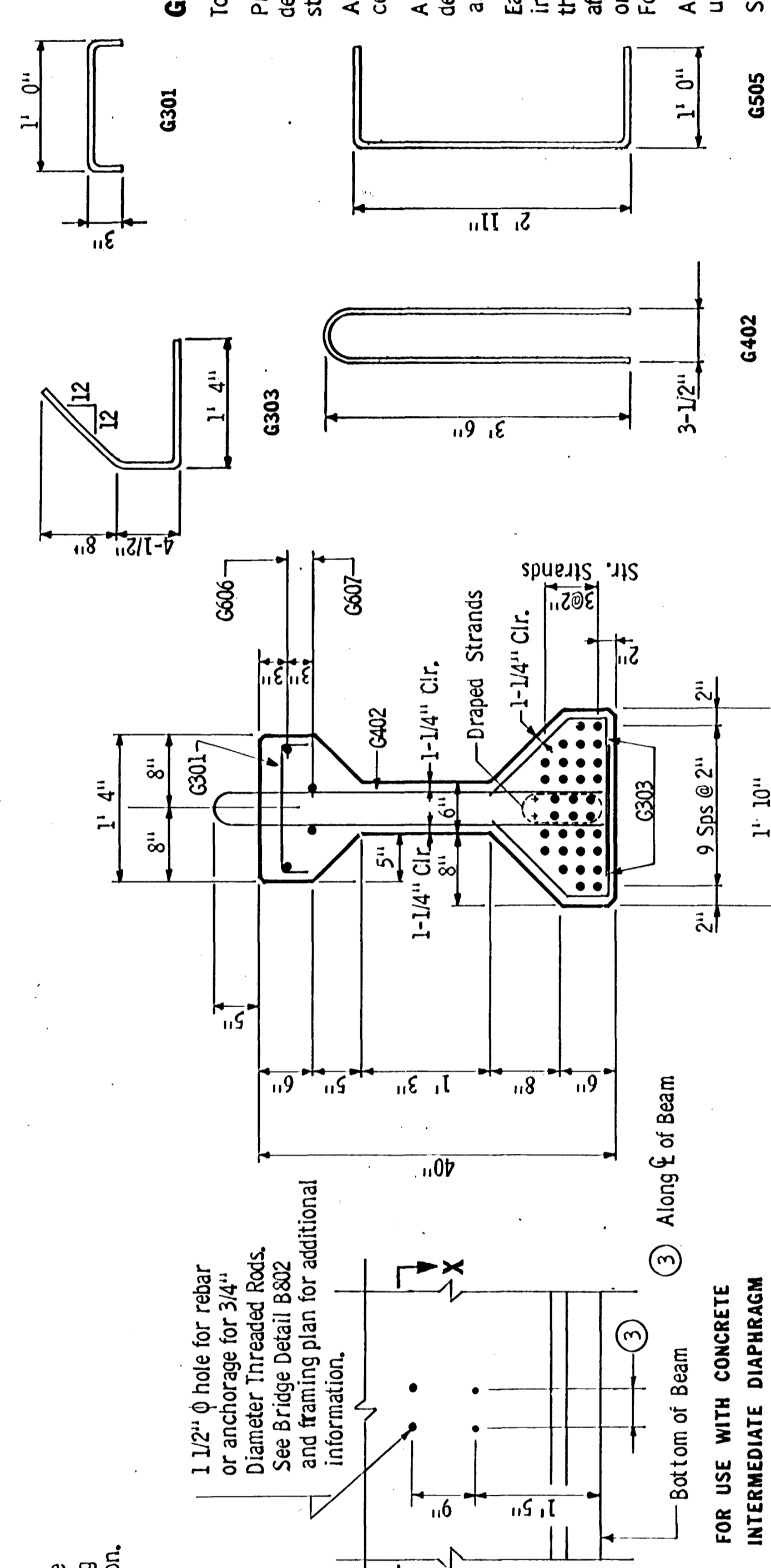
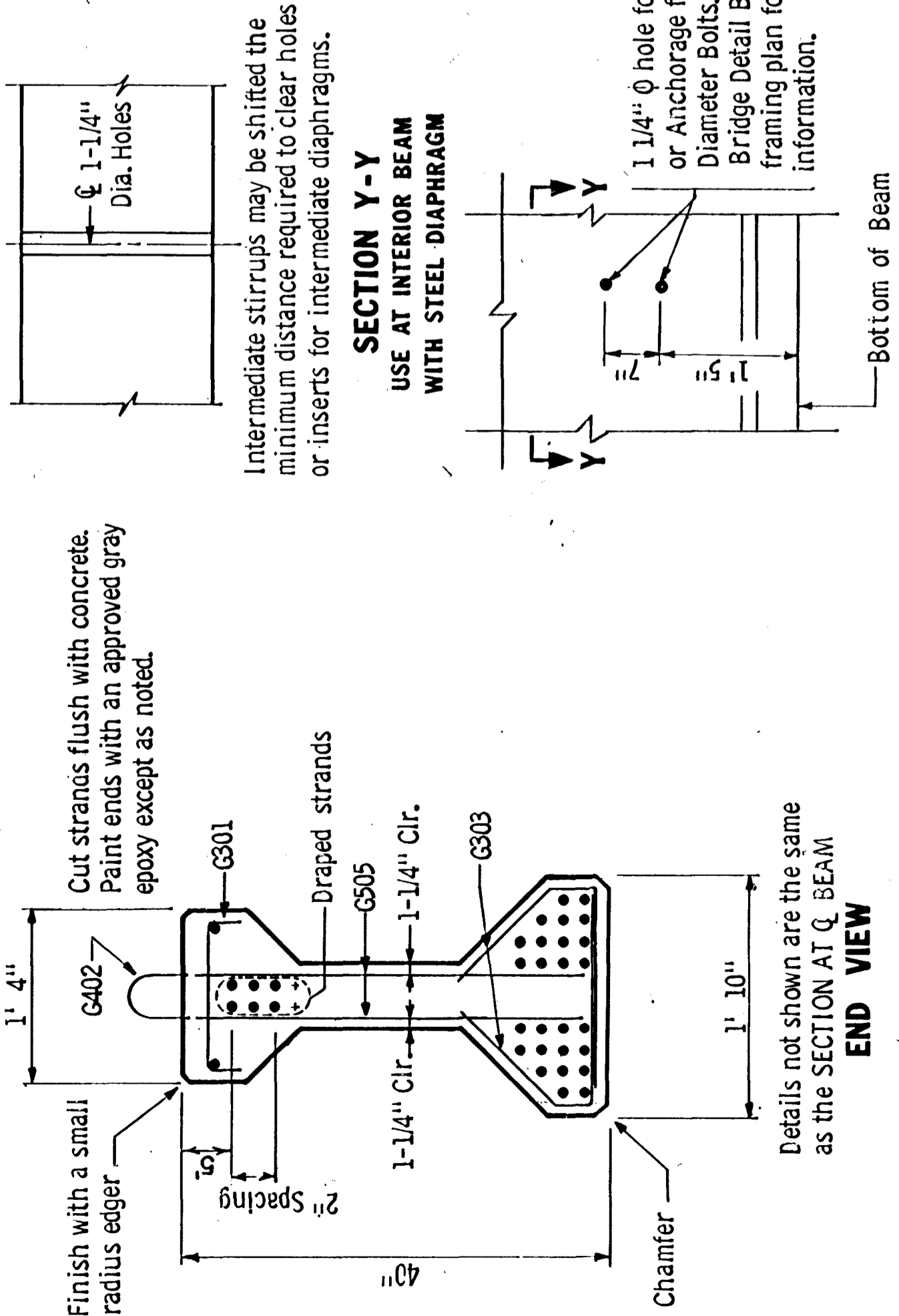


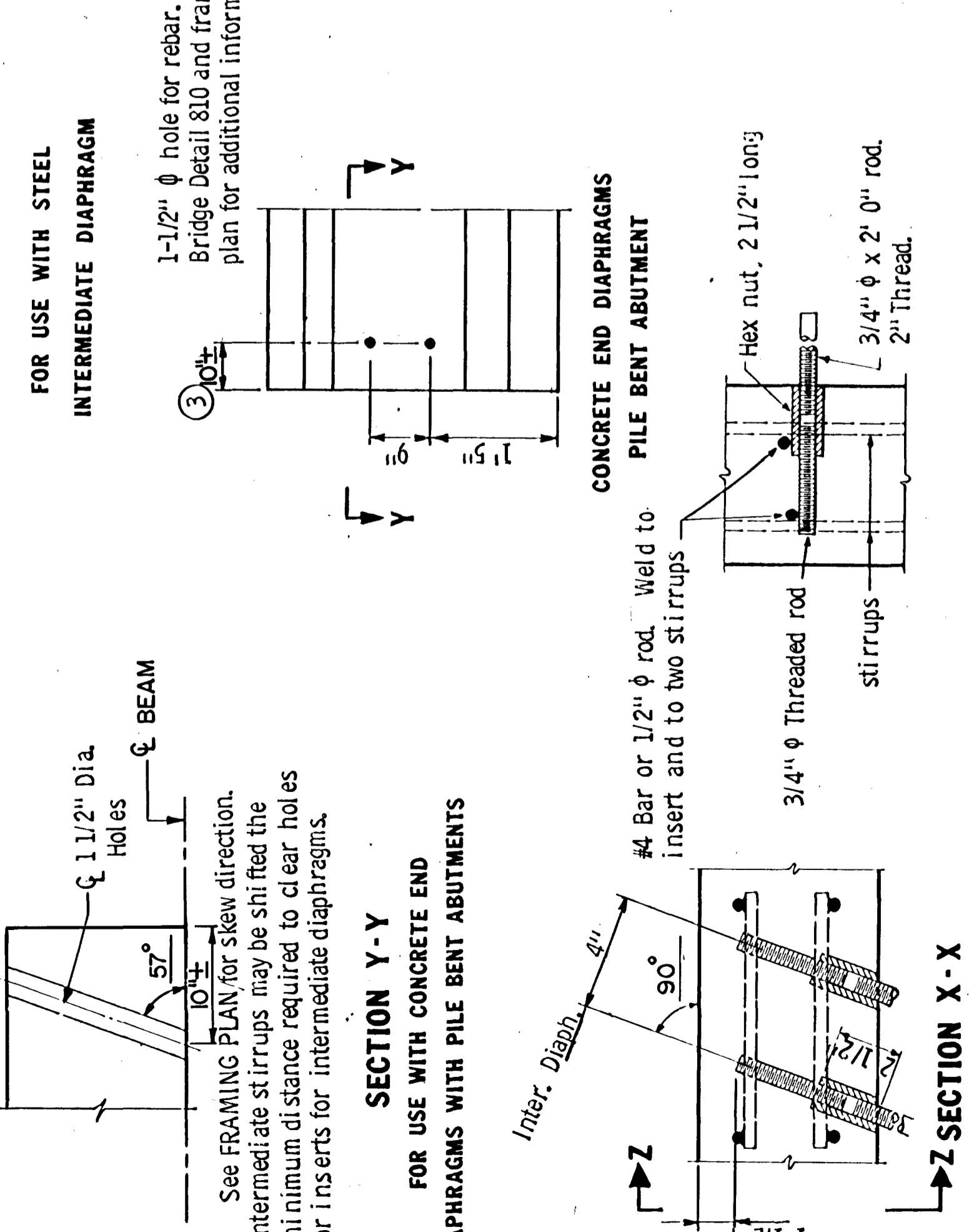
HALF ELEVATION



SECTION AT Q BEAM



END VIEW



SECTION Y-Y

SECTION Z-Z

SECTION X-X

SECTION X-X

Girder Section Data

Wt. / Ft.	= 505 lbs.
Cross sec. area at C of span	= 485 in.²
C. C. (from bottom)	= 1'-88 in.
I	= 87,690 in.⁴
S _x	= 4,904 in.³
1/2" φ 270k strand wt. / ft.	= .525 lb.
1/2" φ 270k strand area	= .1531 sq. in.

Bar	Wt.
G301	.56 lb.
G402	4.79 lb.
G303	1.00 lb.
G505	5.13 lb.
G606	
G607	

GENERAL NOTES:

Tops of beams shall be rough floated and broomed transversely for bond. Provide handling hooks or devices as required by Contractor. Hooks or devices provided will be subject to approval of Engineer and shall be installed with in 4' 0" of the end of beam.

A modified strand pattern or a bundled strand pattern which does not change center of gravity of strands may be submitted to the Engineer for approval.

A post-tensioned beam may be used as an alternate for the pretensioned design shown. Designer will provide plans for the post-tensioned alternate on request.

Each beam shall be marked, showing bridge number, casting date, and individual identification letters and numbers. Markings shall be made on the face of the beam, near the end, so located that they will be exposed after the end diaphragms have been cast. Fascia beams shall be marked on an inside face. All markings shall be stencilled and be clearly legible. For location of beams, see framing plan.

All material and work shown or noted on this sheet shall be included in unit price bid for prestressed concrete beams. See Spec. 2405.

See framing plan for beam ends marked "X".

Approximate weight of beam 16.6 tons.

As an alternate to the diaphragm anchorages shown, the contractor may submit details of a cast-in-place anchorage to the engineer for approval. Anchorage must provide an ultimate pull out strength of 15 kips per anchorage.

MINIMUM CONCRETE STRENGTH - P.S.I.

Required min. Concrete Strength	① f'ci	② f'c
	5700	6000

- ① Minimum concrete strength at time of prestress transfer.
- ② Minimum concrete strength when curing can be discontinued and beam transported and installed.

Fig. 5-397.503
 Approved: May 18, 1977
 Revised: January 22, 1980
 NO. 02-678-03