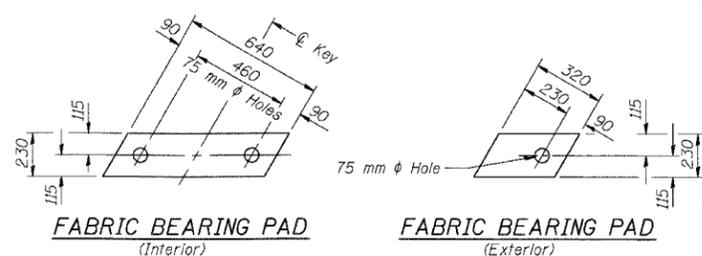
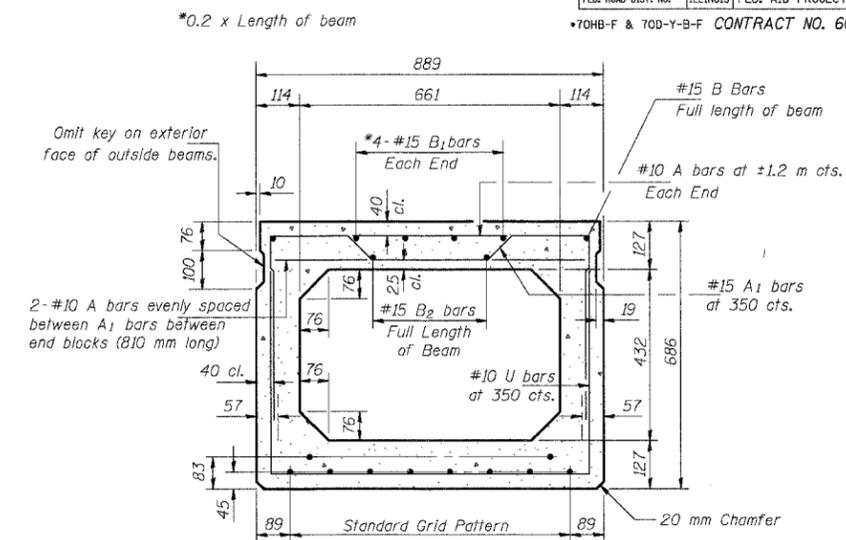
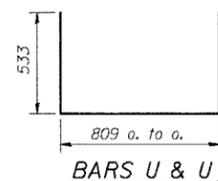
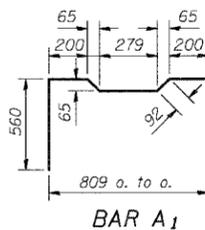
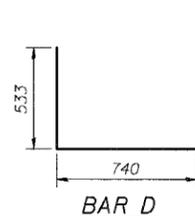


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343		COOK	24	23
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
*70HB-F & 70D-Y-B-F CONTRACT NO. 60B70				

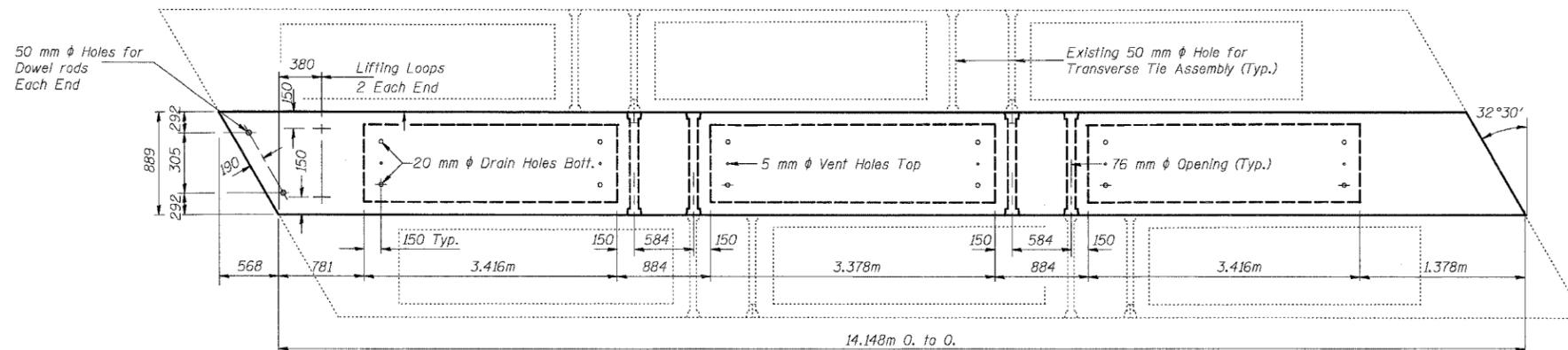


FIXED



TYPICAL SECTION

12.7 mm ϕ Strands Each Strand Stressed to 128,500 N.
8 - Strands 45 mm up, 2 - Strands 83 mm up

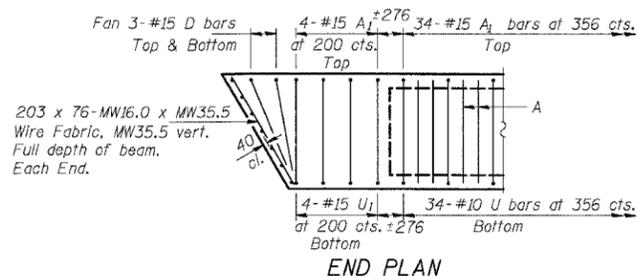


PLAN

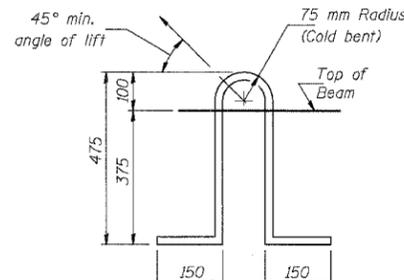
See Sht. S-24 of S-24 for Typ. Transverse Tie Assembly

NOTES

- Prestressing steel shall be uncoated high strength, stress-relieved 7-wire strand ($F_u=1860$ MPa). The nominal diameter shall be 12.7 mm and the nominal cross-sectional area shall be 98.71 mm². Lifting loops shall be 2 - 12.7 mm strands ($F_u=1860$ MPa) as shown.
- The 25 mm ϕ rods in the transverse tie assembly shall be tightened to a snug fit and the threads set. Pockets that receive transverse tie bar on outside shall be filled with grout after transverse tie assembly is in place.
- The bearing seat surfaces shall be adjusted by shimming to assure firm and even bearing. Two 3 mm fabric adjusting shims of the dimensions of the Exterior Bearing Pad shall be provided for each bearing.
- Keyway surfaces shall be cleaned to remove form oil or other bond breaking material prior to shipment of the beams. Cleaning shall be done by sandblasting the keyway areas between top of the beam and the bottom edge of the key.
- Required Release Strength, f'_{ci} , shall be 28 MPa.
- An equal substitution of the low-relaxation strands for the stress-relieved strands will be permitted.
- All dimensions are in millimeters (mm) except as noted.



END PLAN



LIFTING LOOP DETAIL

REVISIONS	
NAME	DATE

SHT. S-23 OF S-24

ILLINOIS DEPARTMENT OF TRANSPORTATION
IL ROUTE 6B OVER US-14 & UPRR
F.A.P. ROUTE 343 SECTION 70HB-F & 70D-Y-B-F
COOK COUNTY
STRUCTURE NO. 016-2861 & 016-2732
DECK BEAM REMOVAL AND REPLACEMENT

DESIGNED: BTO DRAWN: BTO
CHECKED: JAN CHECKED: JAN
DATE: 6/06