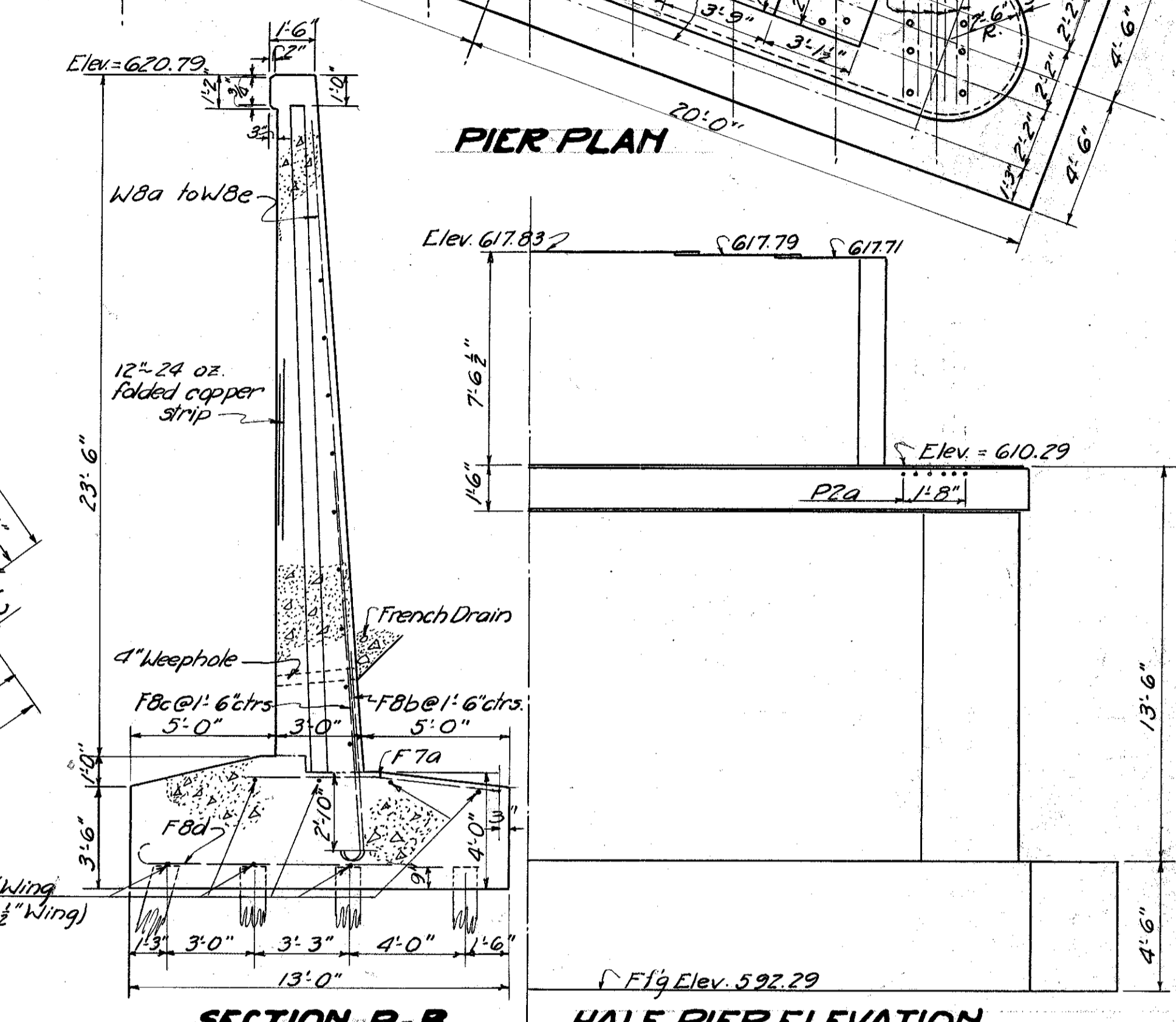
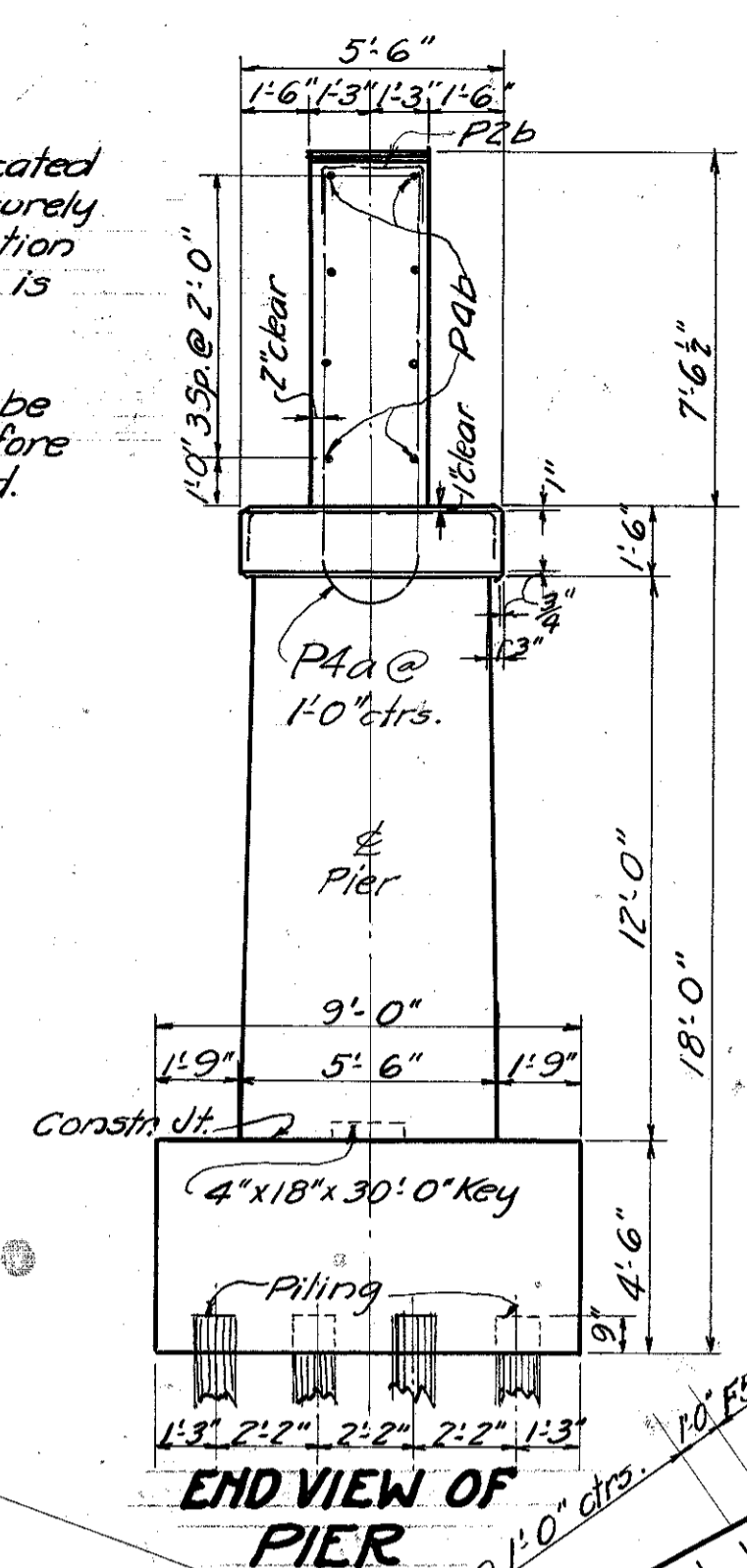
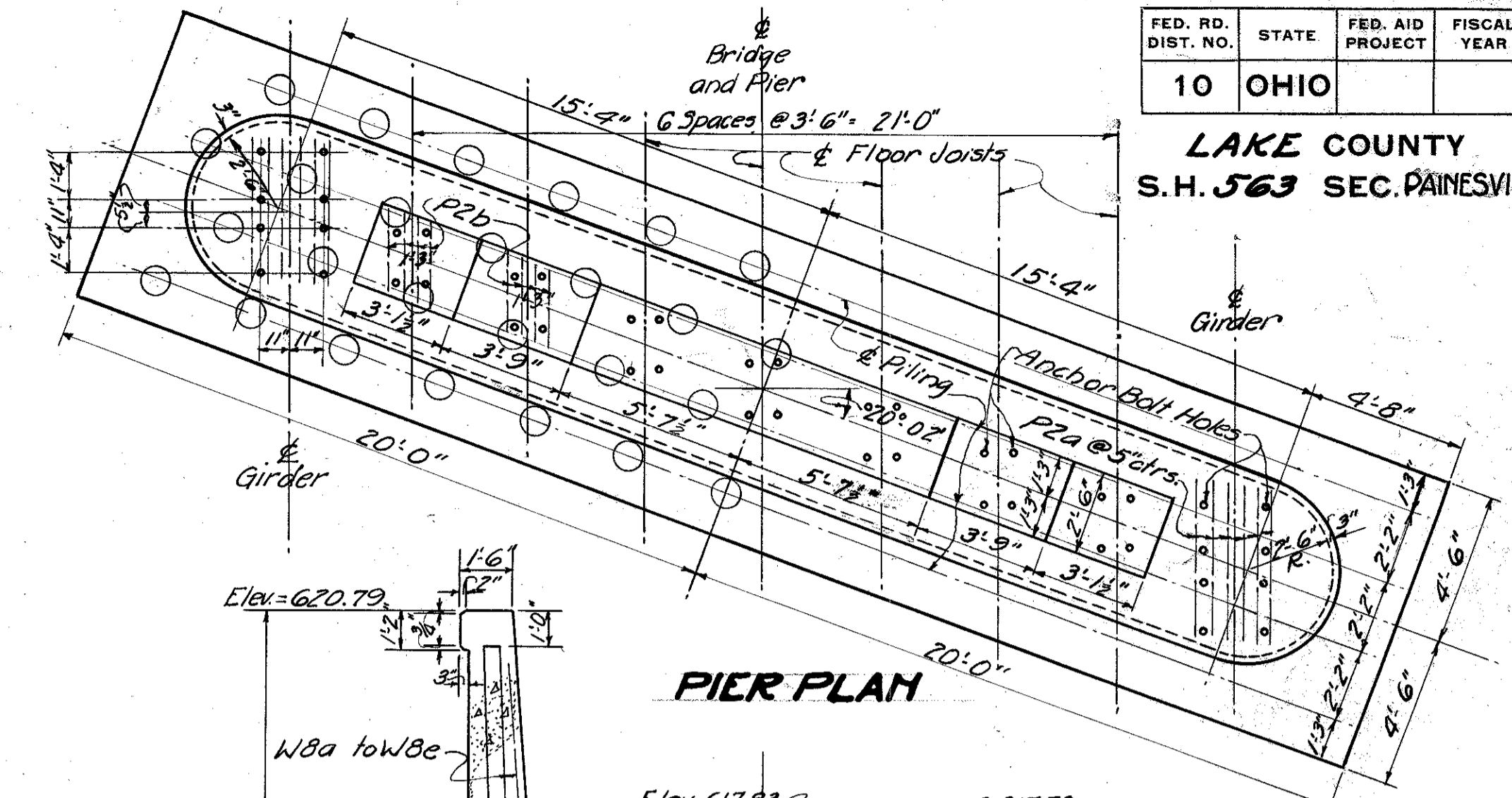
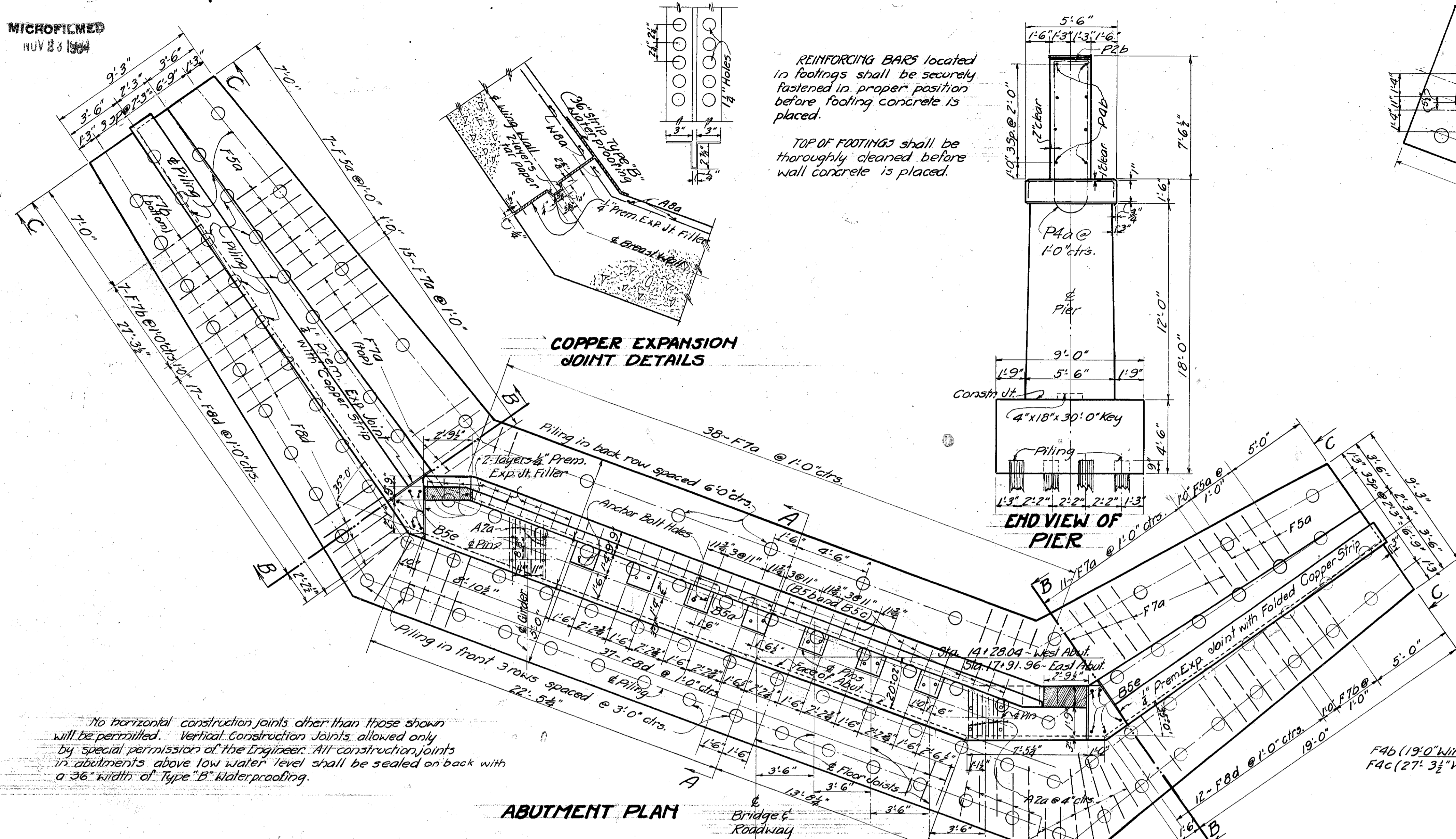


MICROFILMED
NOV 23 1964

LAKE COUNTY
S.H. 563 SEC. PAINESVILLE BR.



No horizontal construction joints other than those shown will be permitted. Vertical Construction Joints allowed only by special permission of the Engineer. All construction joints in abutments above low water level shall be sealed on back with a 36" width of Type "B" Waterproofing.

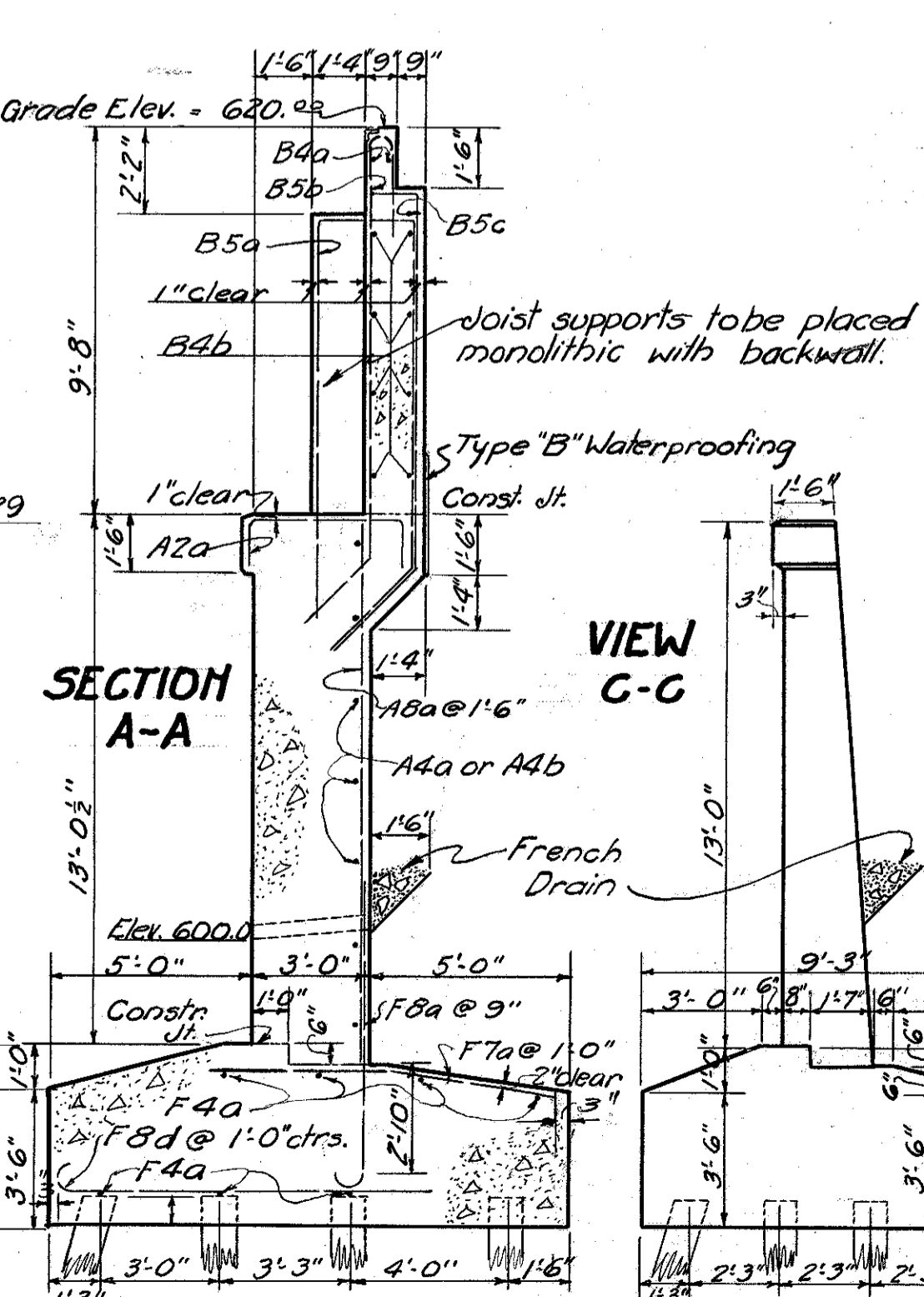
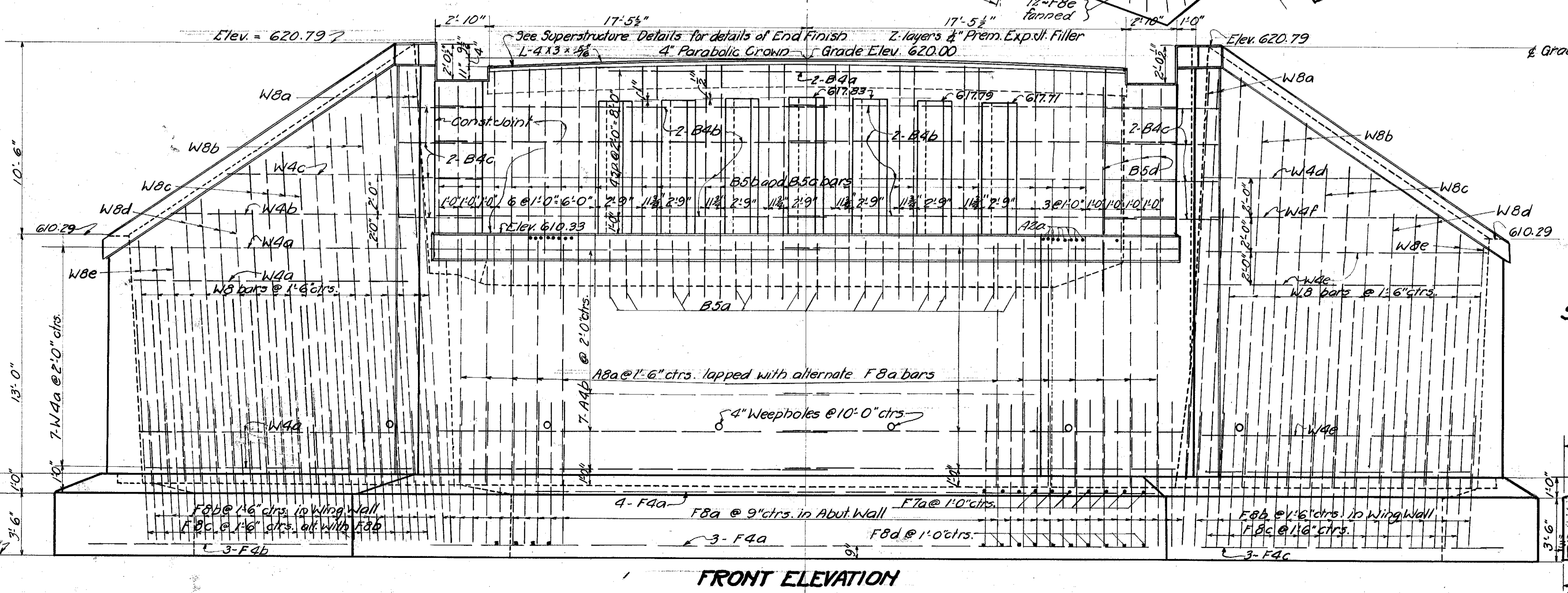
ALL ANCHOR BOLT HOLES shall be drilled after masonry plates are located. Care shall be taken in placing concrete reinforcing bars so that they will not be cut when holes are drilled.

4" x 3" x 3/8" L on backwall included with structural steel for payment. See Superstructure Details for details of End Finish.

FRENCH DRAINS shall extend full length of abutment and wings. Payment therefor is included with payment for excavations.

CHAMFER all exposed edges 3/8" unless otherwise shown.

CONCRETE MIX shall be 1:6 1/2 mix for footing, abutment walls and pier walls.



PROPOSAL NO. 1.

STATE OF OHIO
DEPARTMENT OF HIGHWAYS
BUREAU OF BRIDGES

ABUTMENT & PIER DETAILS

BRIDGE OVER GRAND RIVER

S.H. 563 LAKE COUNTY
SECTION PAINESVILLE BR. STA. 16+10

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
W.H.B.	A.H.C.	M.E.B.	J.B.C.	A.H.C.	10/23/60	