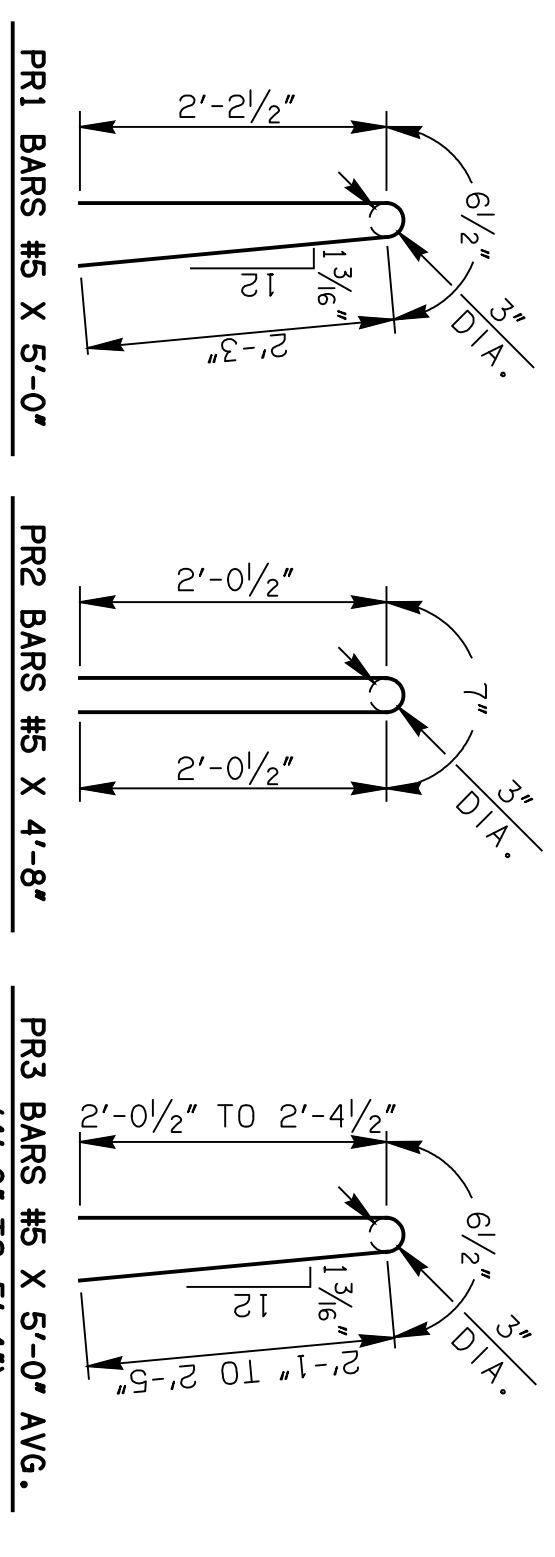


REVISIONS	DATE
DESCRIPTION	
REVISION NOTE	MKH 10/10/05



DETAILS OF BAR BENDS

SLOPED FACE CONCRETE PARAPET

CONSTRUCT THE SLOPED FACE CONCRETE PARAPET TO MEET THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION (ENGLISH), AS WELL AS THE FOLLOWING REQUIREMENTS.

REINFORCING STEEL:

EP-BARS (SLAB TO PARAPET BARS): EP-BARS (SLAB TO PARAPET BARS) BEFORE CONCRETE IS PLACED IN PLACE AND THE ALL EP-BARS, AS APPLICABLE. IF THE PLANS CALL FOR EPOXY COATED REINFORCING IN THE DECKSLAB OR APPROACH SLAB, THEN FURNISH EPOXY COATED EP-BARS. THE WEIGHT OF EP-BARS WILL BE MEASURED AND PAID FOR AS "REINFORCING STEEL" OR "EPOXY COATED REINFORCING STEEL".

CONSTRUCTION JOINTS:

PLACE A CONSTRUCTION JOINT AT EACH FIXED ABUTMENT AND FIXED PIER, AND AT OTHER LOCATIONS AS SHOWN IN THE PLANS. PLACE 1/4" THICK PREFORMED EXPANSION MATERIAL IN THE CONSTRUCTION JOINT IN ACCORDANCE WITH THE DETAILS SHOWN. DO NOT PLACE PH-BARS THROUGH A CONSTRUCTION JOINT UNLESS DIRECTED TO DO SO IN THE PLANS.

EXPANSION JOINTS:

AT EXPANSION JOINTS IN THE DECKSLAB OR APPROACH SLAB, MATCH THE WIDTH OF THE OPENING BETWEEN THE ENDS OF THE PARAPET WITH THE OPENING OF THE EXPANSION JOINT.

CONTROL CRACK JOINTS:

PROVIDE DOUBLE 3/4" CHAMFERS OR 3/4" DEEP SAWCUT IN ACCORDANCE WITH THE DETAILS SHOWN. FOR PARAPETS WITH DRAIN OPENINGS, PLACE THE CONTROL CRACK JOINTS IN THE CENTER OF THE 5'-0" SOLID PARAPET BETWEEN THE DRAIN OPENINGS. FOR PARAPETS WITHOUT DRAIN OPENINGS, PLACE THE CONTROL CRACK JOINTS AT 10'-0" SPACINGS. PLACE CONTROL CRACK JOINTS AT OTHER LOCATIONS AS SHOWN IN THE PLANS OR AS DIRECTED BY THE ENGINEER.

DRAIN OPENINGS:

PLACE A SERIES OF 5'-0" DRAIN OPENINGS IN THE PARAPET AT LOCATIONS SHOWN IN THE PLANS OR AS DIRECTED BY THE ENGINEER. CONSTRUCT THE DRAIN OPENINGS SUCH THAT THEY ARE 5'-0" IN LENGTH AND ALTERNATING WITH 5'-0" SOLID PARAPET LENGTHS.

GUARDRAIL CONNECTIONS

FORM OR DRILL HOLES, AS SHOWN, FOR THE CONNECTION OF THE W-BEAM GUARDRAIL TERMINAL CONNECTORS (SPECIAL END SHOES) AT LOCATIONS SHOWN IN THE PLANS OR AS DIRECTED BY THE ENGINEER. IT IS THE RESPONSIBILITY OF THE BRIDGE CONTRACTOR TO PROVIDE THE HOLES. THE CONTRACTOR THAT INSTALLS THE GUARDRAIL WILL BE RESPONSIBLE FOR INSTALLING THE W-BEAM GUARDRAIL TERMINAL CONNECTORS, INCLUDE THE COST OF "T" BARS IN THE PRICE BID FOR "CONCRETE PARAPET".

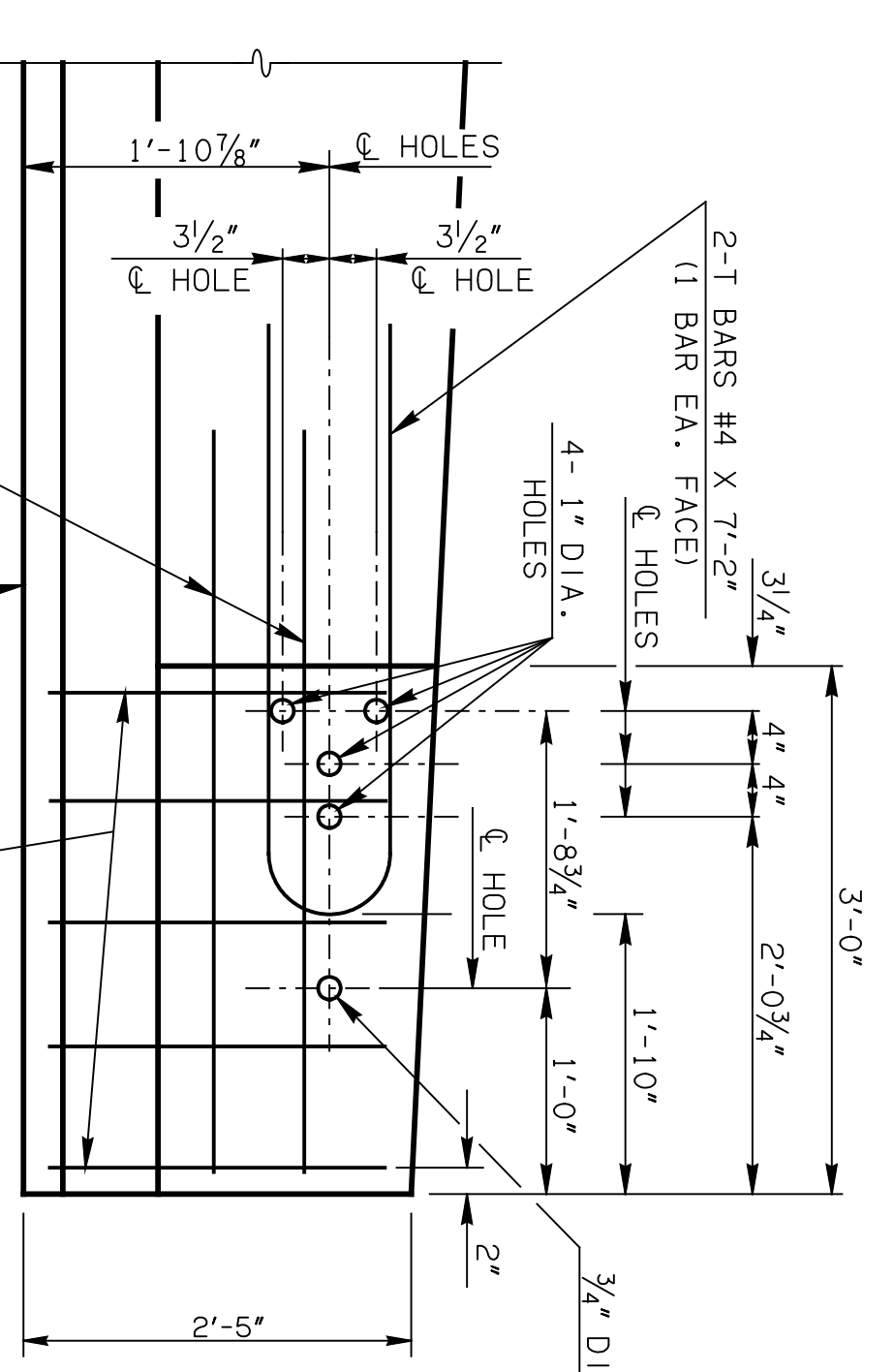
ITEM NO.	DESCRIPTION	UNIT
(SQAFL)	CONCRETE PARAPET	L.F.F.

APPROVED BY BRIDGE ENGINEER: *Clayton Beck* DATE: 10/10/05

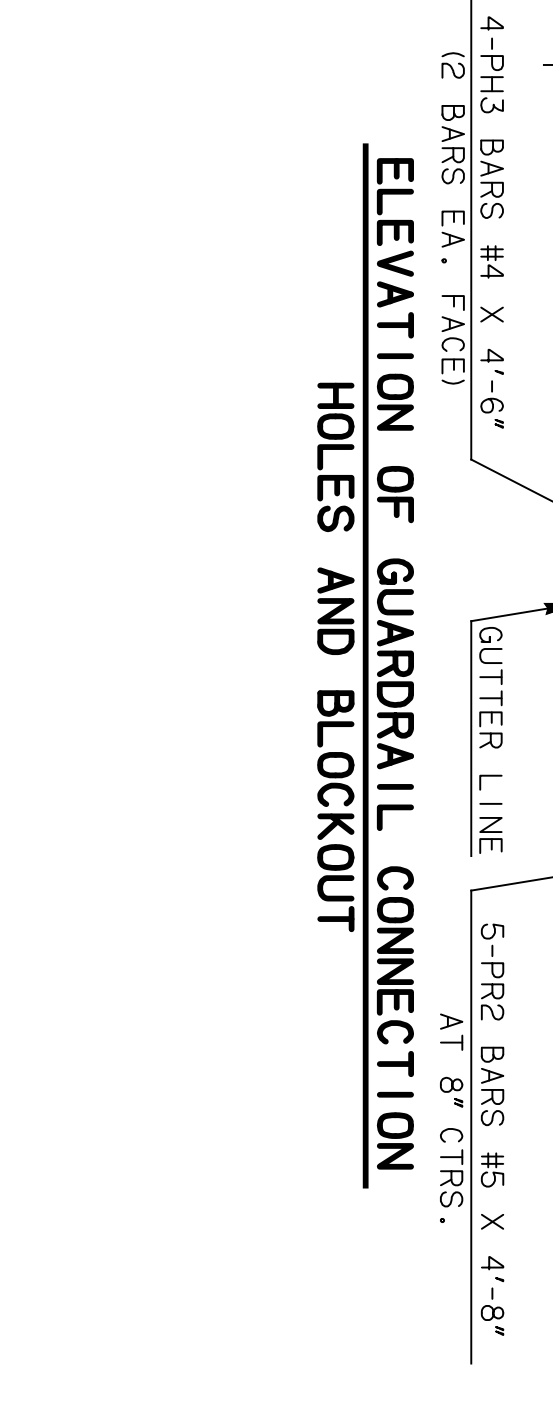
OKLAHOMA DEPT. OF TRANSPORTATION
BRIDGE STANDARD (ENGLISH)
SLOPED FACE PARAPET (SFP)

1999 SPECIFICATIONS

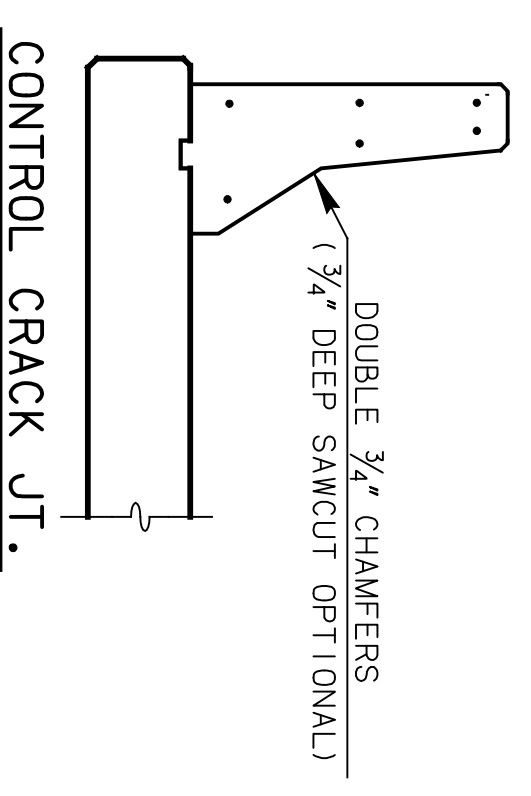
SFP1-1 O1E
B-02E



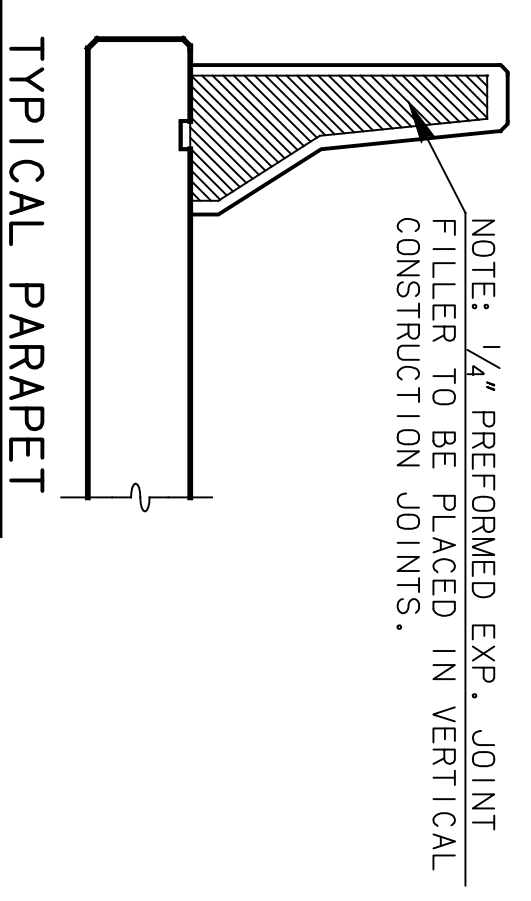
ELEVATION OF GUARDRAIL CONNECTION HOLES AND BLOCKOUT



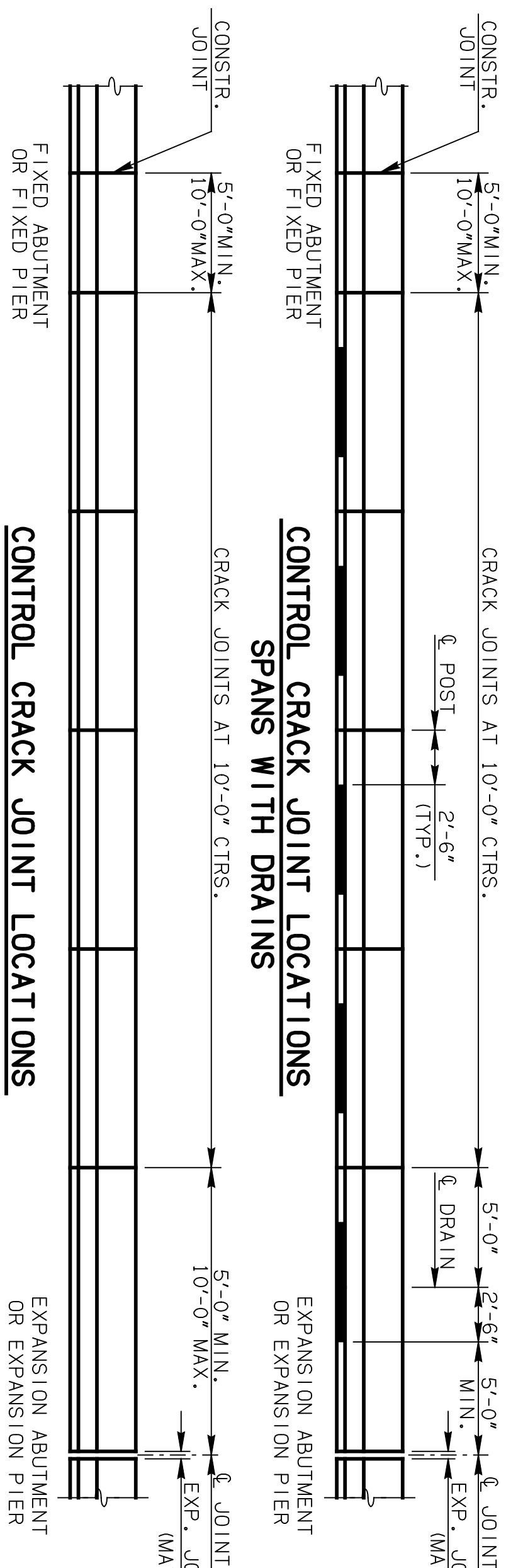
TYPICAL PARAPET REINFORCING SPACING (PARAPETS WITH DRAIN OPENINGS)



NOTE: PH BARS SHALL BE CONTINUOUS THRU CONTROL CRACK JOINT

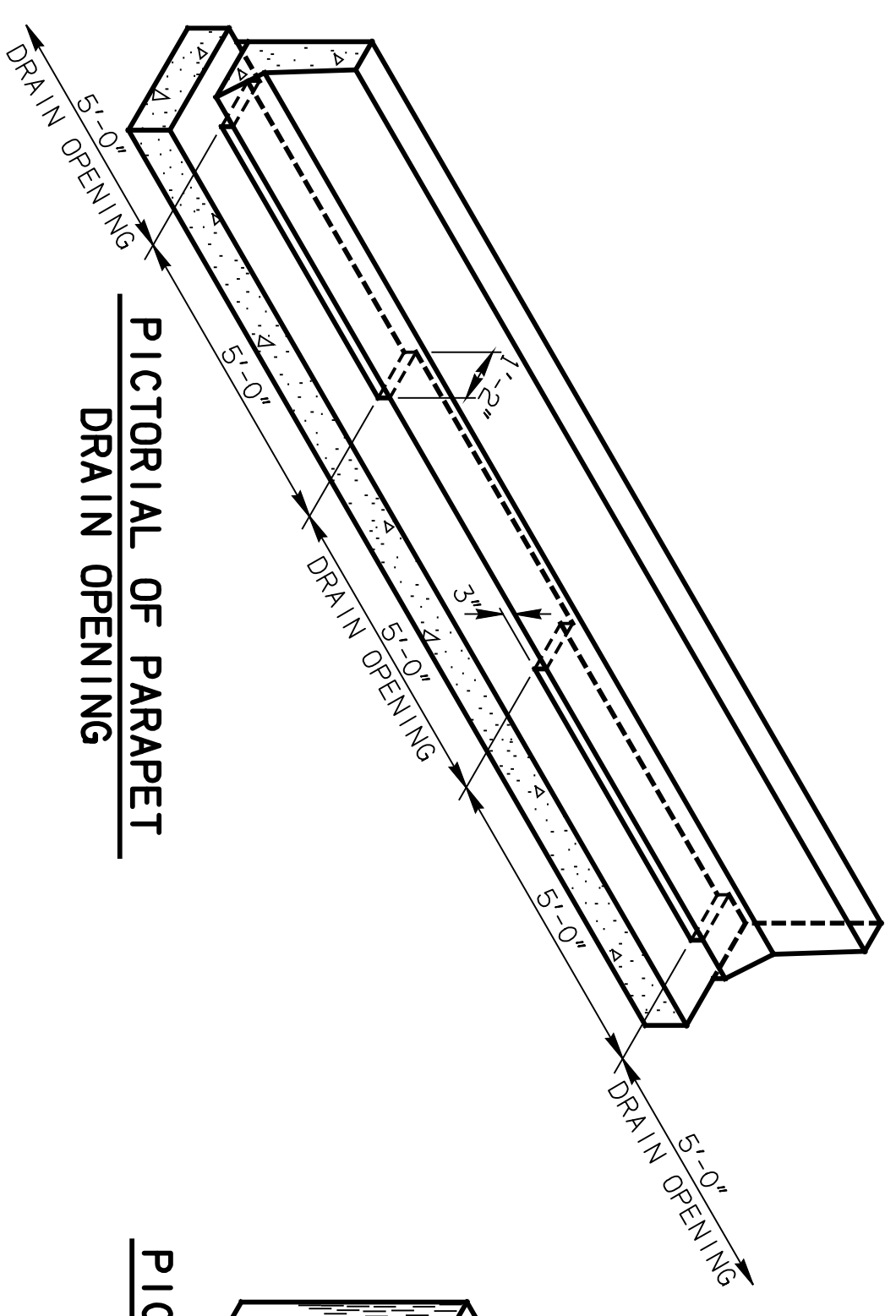


NOTE: 1/4" PREFORMED EXP. JOINT FILLER TO BE PLACED IN VERTICAL CONSTRUCTION JOINTS.



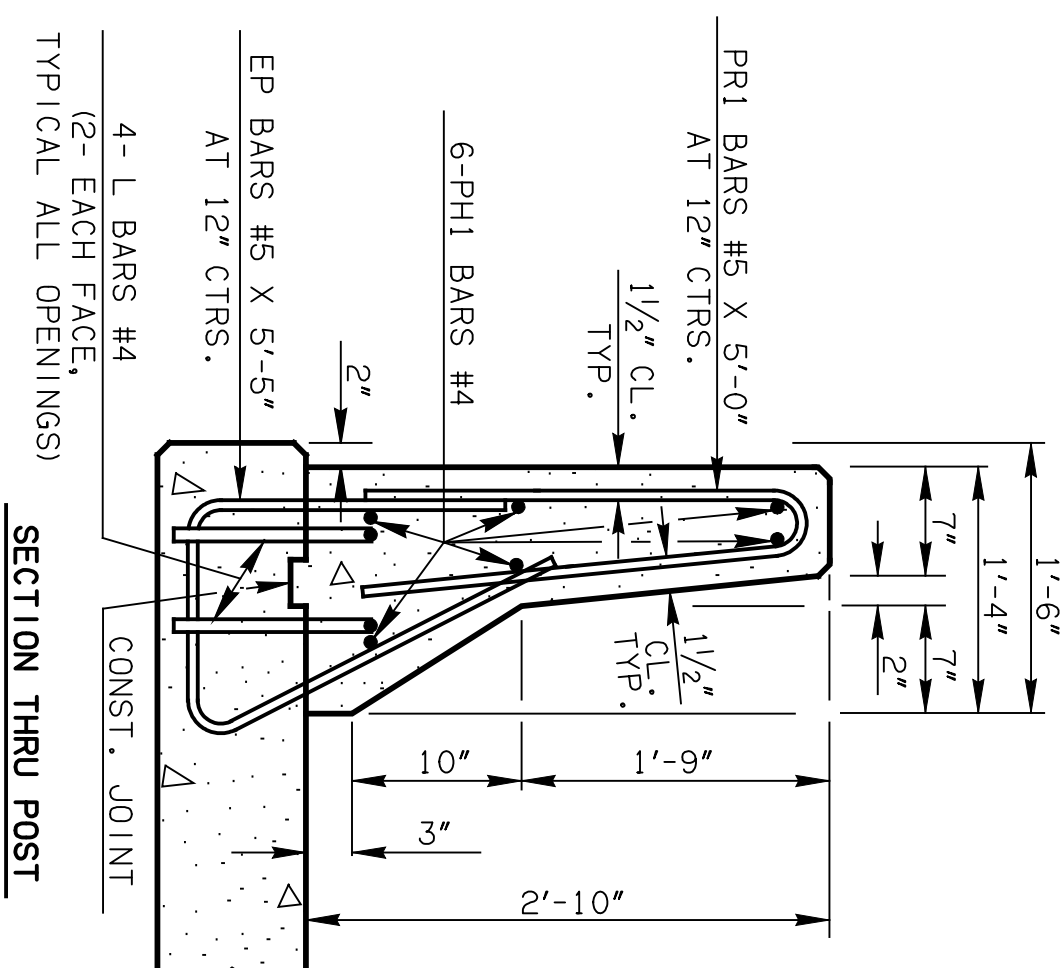
CONTROL CRACK JOINT LOCATIONS SPANS WITH DRAINS

CONTROL CRACK JOINT LOCATIONS SPANS WITHOUT DRAINS



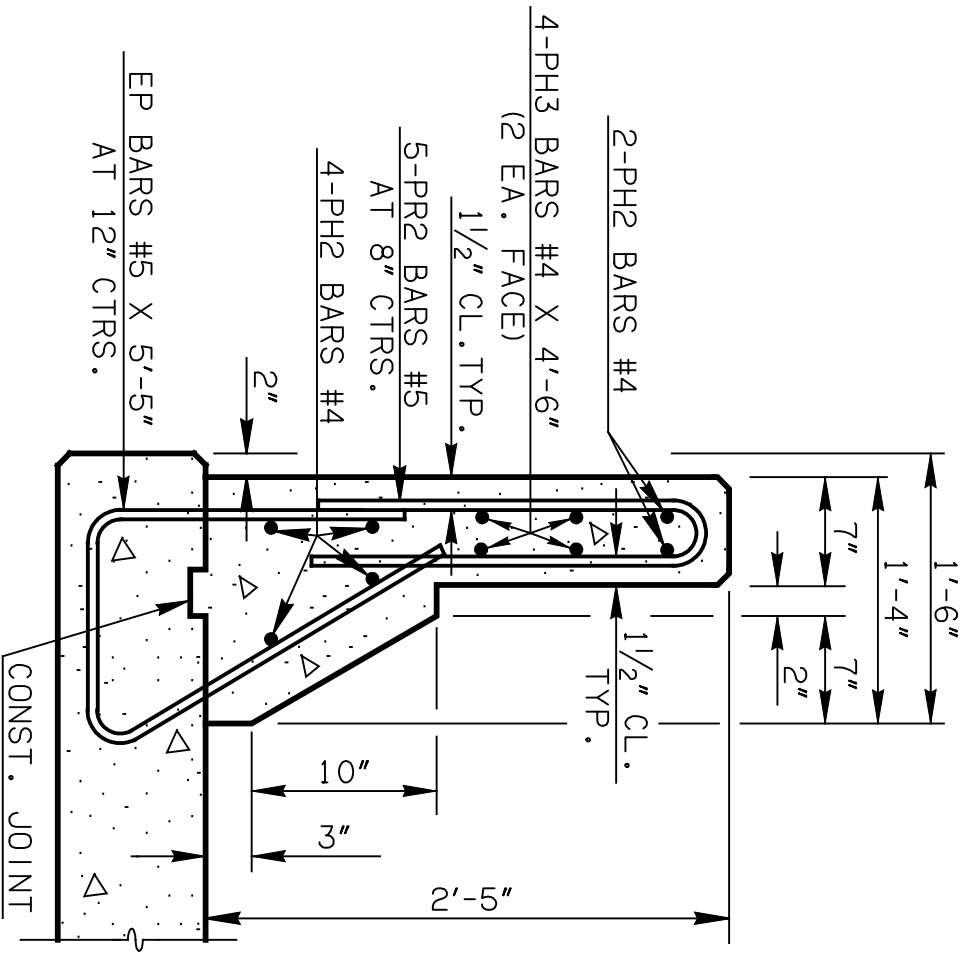
PICTORIAL OF PARAPET DRAIN OPENING

PICTORIAL OF BLOCKOUT

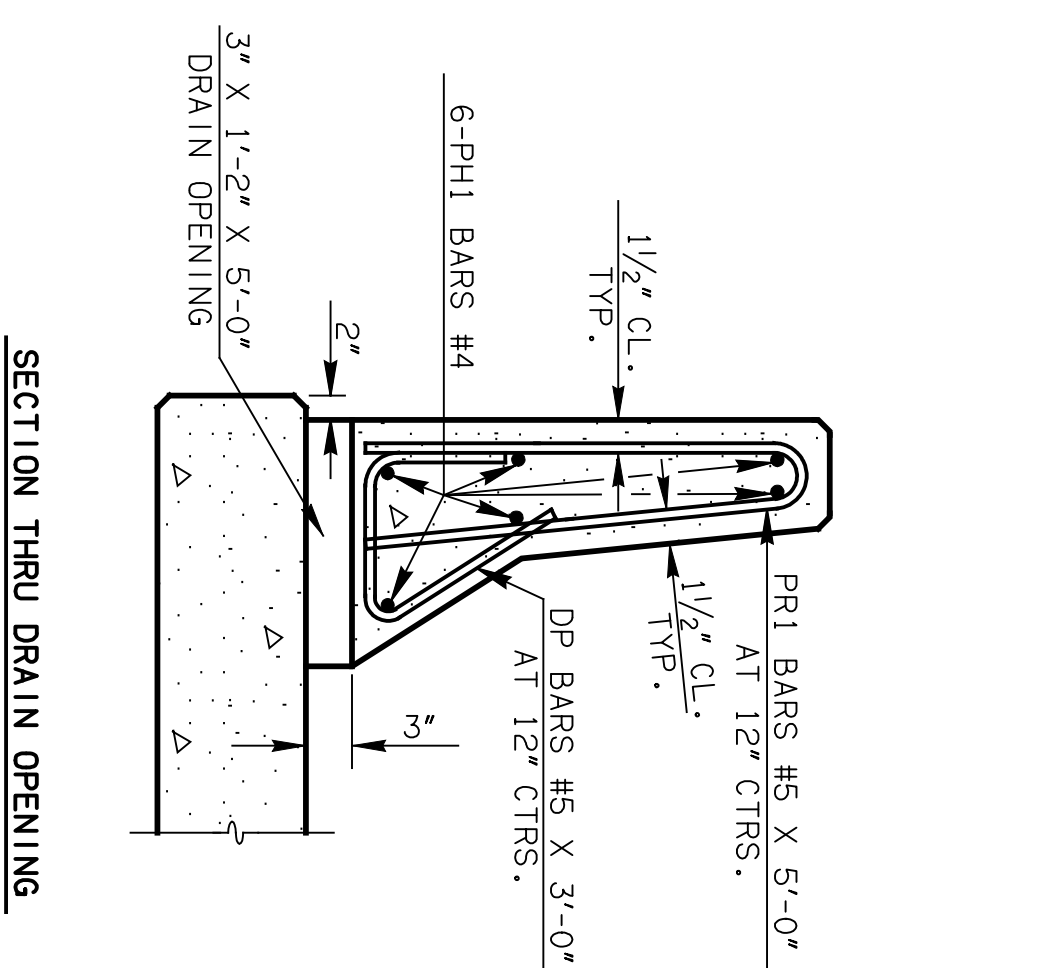


SECTION THRU PARAPET AT ABUTMENT END

NOTE: PARAPET HEIGHT TRANSITIONS FROM 2'-10" AT ABUTMENT END TO 2'-5" AT END OF APPROACH SLAB



SECTION THRU BLOCKOUT AT END OF APPROACH SLAB



SECTION THRU BRIDGE PARAPET AT DECK SLAB

SECTION THRU POST

SECTION THRU DRAIN OPENING

SECTION THRU DRAIN OPENING