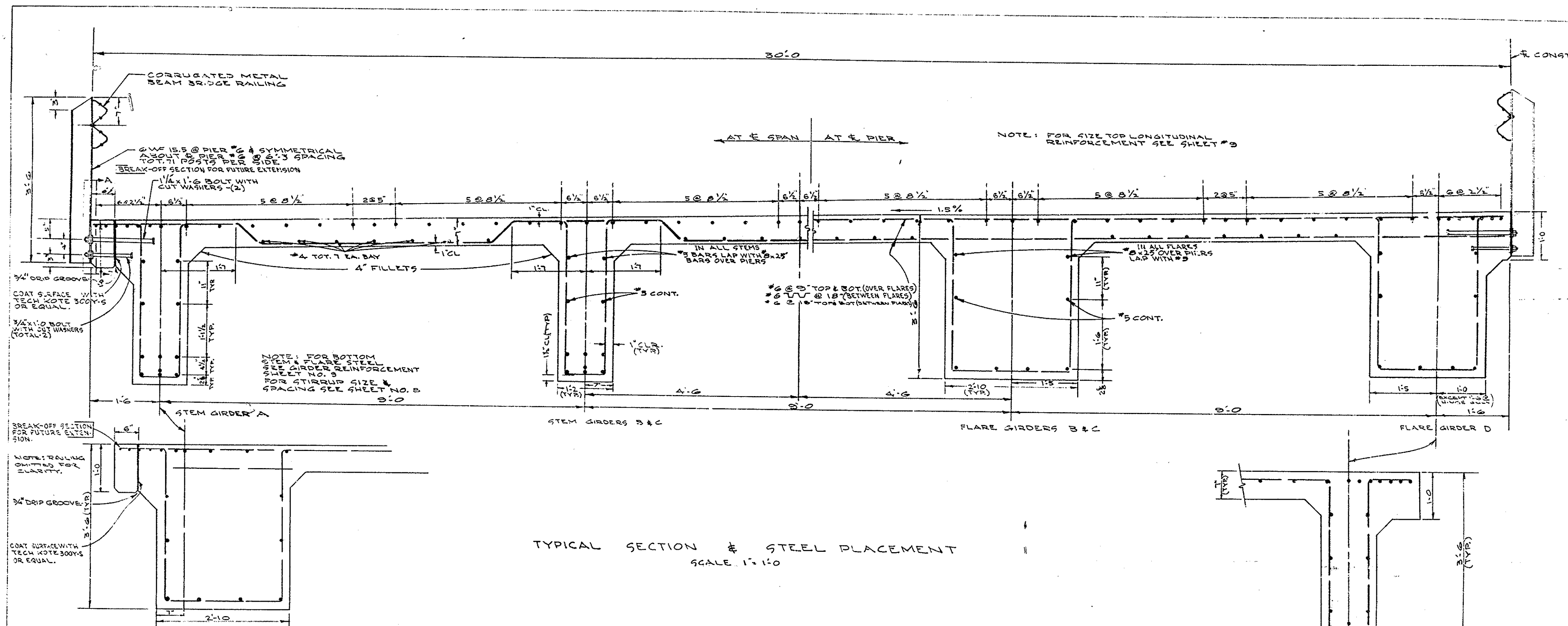
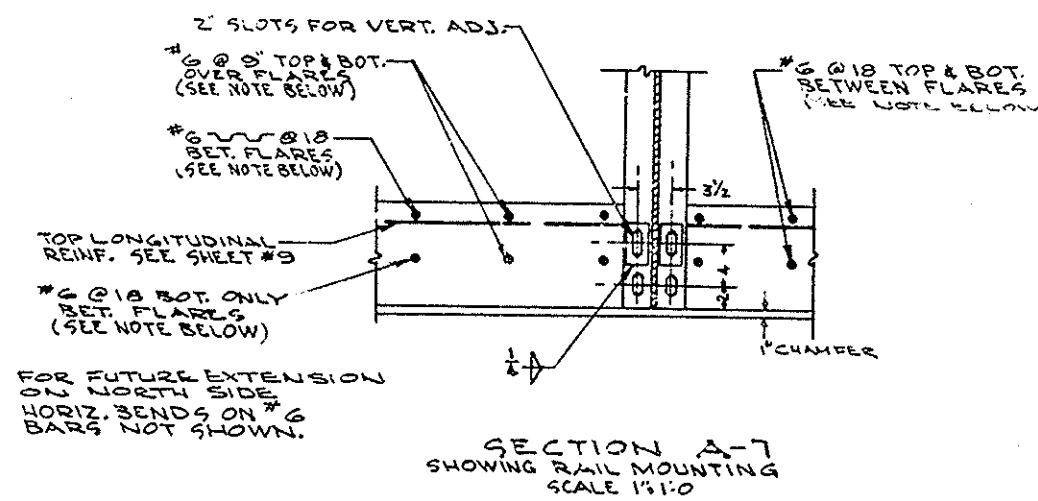




TYPICAL SECTION & STEEL PLACEMENT
SCALE: 1" = 1'-0"

- NOTES:
1. DESIGN DETAILS PER CALIFORNIA STATE BRIDGE PLANNING & DESIGN MANUAL MODIFIED BY O.C.H.D. OR A.A.S.H.O. SPECIFICATIONS FOR HIGHWAY BRIDGES.
 2. STANDARD SPECIFICATIONS OF THE ORANGE COUNTY HIGHWAY DEPT. & THE SPECIAL PROVISIONS.
 3. H20-516-44 LIVE LOAD.
 4. PILES ARE REINFORCED WITH 48 TON BEARING WITH THE EXCEPTION OF THE PILES IN ABUT #11 WHICH SHALL HAVE 48 TON BEARING.
 5. UNIT STRESSES ARE AS FOLLOWS:
 $f_c = 1,200 \text{ psi}$ EXCEPT AS NOTED
 $f_s = 1,000 \text{ psi}$ FOR ROADWAY SLAB ON GIRDERS
 $f_s = 20,000 \text{ psi}$ IN STEEL
 6. ALL REINFORCEMENT IS A.S.T.M. - A305 BARS.
 7. COVER FOR REINFORCEMENT IS 2" CLEAR UNLESS OTHERWISE NOTED.
 8. REINFORCEMENT LAPPED 20 DIAMETERS AT SPLICES.
 9. HOOPS & BAR SUPPORTS AS DETAIL IN A.C.I. MANUAL OF STANDARD PRACTICE.
 10. ALL CONCRETE IS "CLASS A" USING TYPE II PORTLAND CEMENT.
 11. ALL EXPOSED EDGES OF CONCRETE SHALL HAVE 1" CHAMFER UNLESS OTHERWISE NOTED.
 12. LEVEE PROTECTION, DETOUR & APPROACHES NOT A PART OF THIS CONTRACT.
 13. ALL STEEL PROJECTS THROUGH TECH. CONST. JOINT ON NORTH END OF BRIDGE A MINIMUM OF 15' IN EACH DIRECTION TO PROVIDE SUFFICIENT BOND FOR LAPPING WITH STEEL IN FUTURE WIDENING OF BRIDGE.



NOTE: ALL #6 BARS SHOWN ABOVE SHALL HAVE A 15" MIN. LAP (BEND HORIZ.) FOR FUTURE EXTENSION ALL STEEL TO BE 1" MIN. CLEARANCE OF ALL CONC. SURFACES.

MICROFILMED
JUL 6 1960
Bridge 5A-38
Hamilton St
Sheet 9 of 18
Rev 12-57 Scale 1"=1'
Pencil Yellow

ORANGE COUNTY HIGHWAY DEPARTMENT	
HAMILTON ST. BRIDGE	
5A-38	
TYPICAL SECTION & GENERAL NOTES	
SCALE: 1"=1'-0"	DATE: 12-57