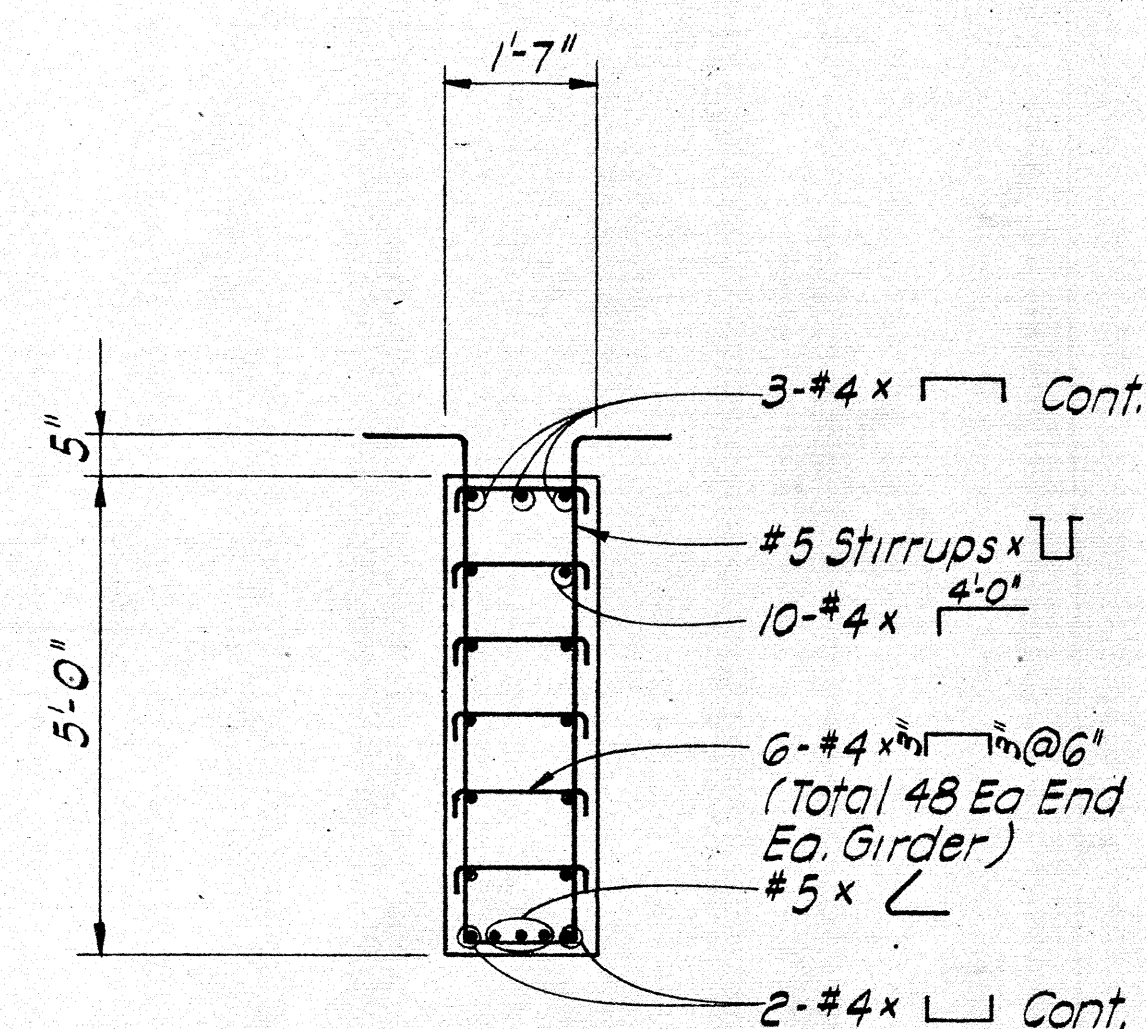
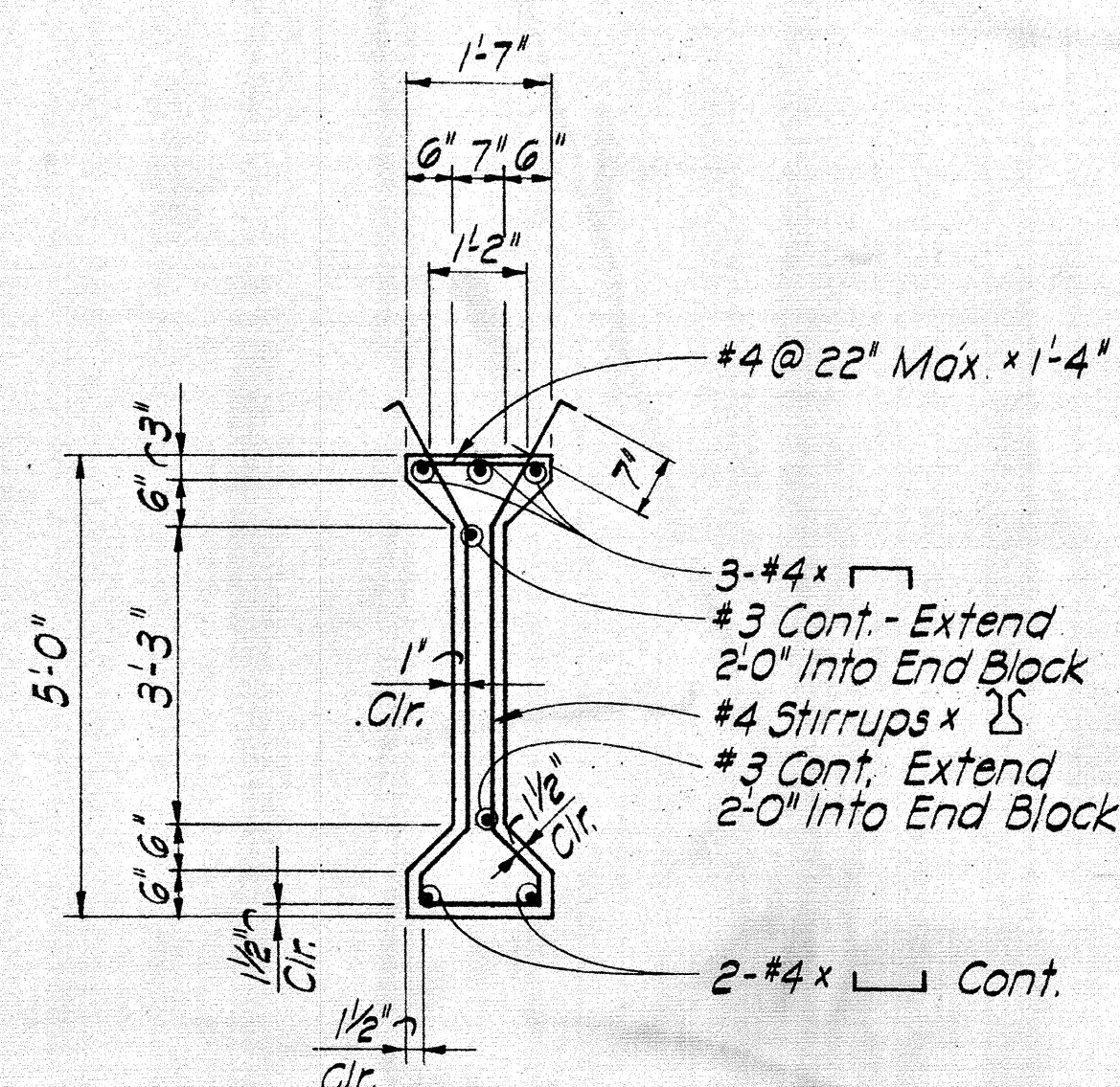


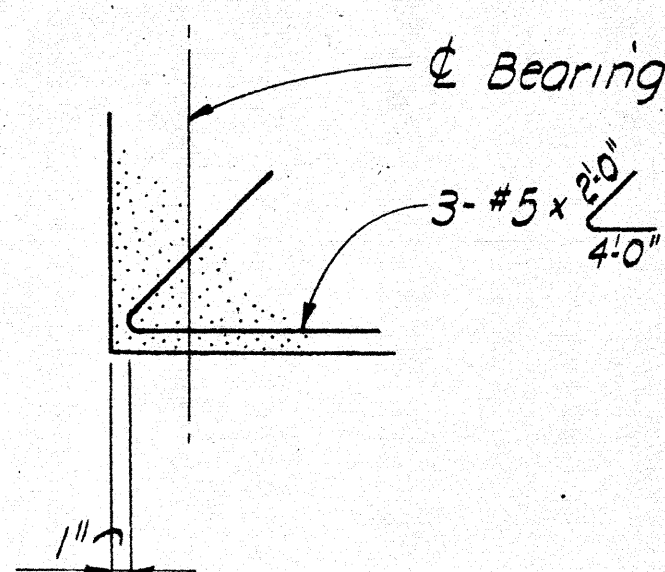
ELEVATION
 $\frac{1}{4}" = 1'-0"$



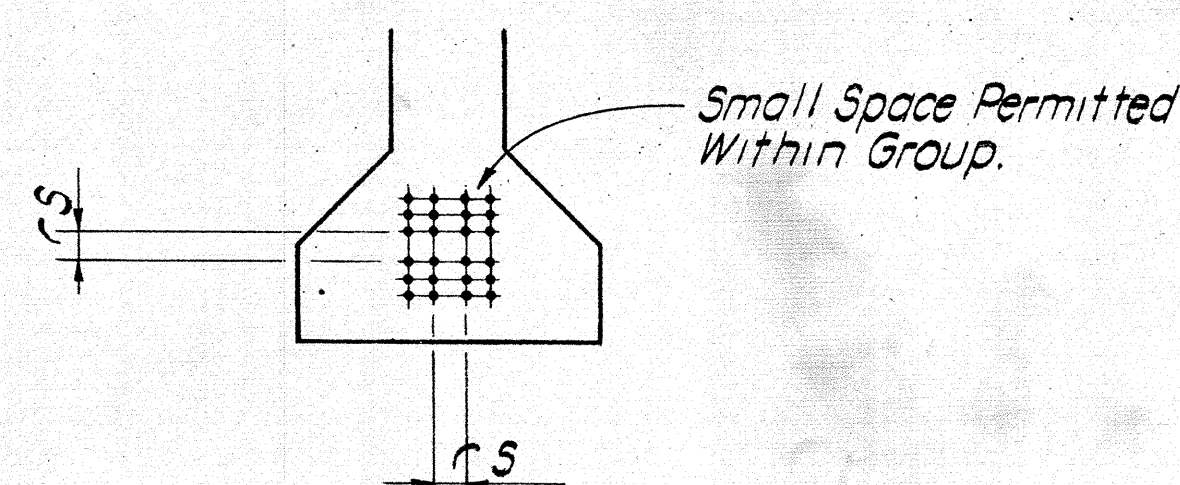
SECTION A-A
1/2" = 1'-0"



SECTION B-B
 $\frac{1}{2}'' = 1'-0''$



DETAIL C
1"=1'-0"



CLEARANCE FOR
PRETENSIONED STRANDS
See Notes

Girder Length	Pf = Working Force, kips			Concrete Strength, psi		Deflection Due To Cast-In-Place Slab		
	"X"	Post-Ten	Pre-Ten	Post-Ten	Pre-Ten	1/4 Span	1/2 Span	3/4 Span
87'-4"	3.5"	555	595	$f'_{ci}=4300$	$f'_{ci}=4100$	3/4"	1"	3/4"
	4.5"	565	610	$f'_{c}=4300$	$f'_{c}=4100$			
	5.5"	580	630					

1. Strands May Be Bundled In Groups Consisting Of 3 Vertical And 2 Horizontally And Separated At The Ends.
2. The Min. Distance "S" Between Groups Of Individual Strands Is $\frac{1}{2}$ " For $\frac{3}{8}$ " Strands, $1\frac{3}{4}$ " For $\frac{1}{2}$ " Strands And 2" For $\frac{1}{2}$ " Strands.
3. "S" Is Measured Between Centers Of Adjacent Strands.
4. Approval Of Engineer Is Required For Deviation.

1. Horizontal Clearance Between Units = $2\frac{1}{2}$ " Min.
2. Units May Be Bundled Vertically In Groups Of 3 Max.
3. Vertical Clearance Between Bundled Units = 3" Min.
4. Approval Of Engineer Is Required For Deviation,

Working Force (Pf): The Force Per Girder Remaining After All Losses.
See Standard Specifications.
Concrete Strength: f'_{ci} Is At Time Of Initial Stressing
 f'_c Is At 28 Days
Prestressing Steel: See Standard Specifications
Camber: Girder Soffit To Be Cast Straight.
Screed Lines For Construction Will Be Determined By Engineer.

ORANGE COUNTY ROAD DEPARTMENT	
MICHELSON DRIVE BRIDGE (SD-25) ACROSS SAN DIEGO CREEK	
GIRDERS	
SCALE <i>Noted</i>	SHEET <i>BRI-8</i> OF 14