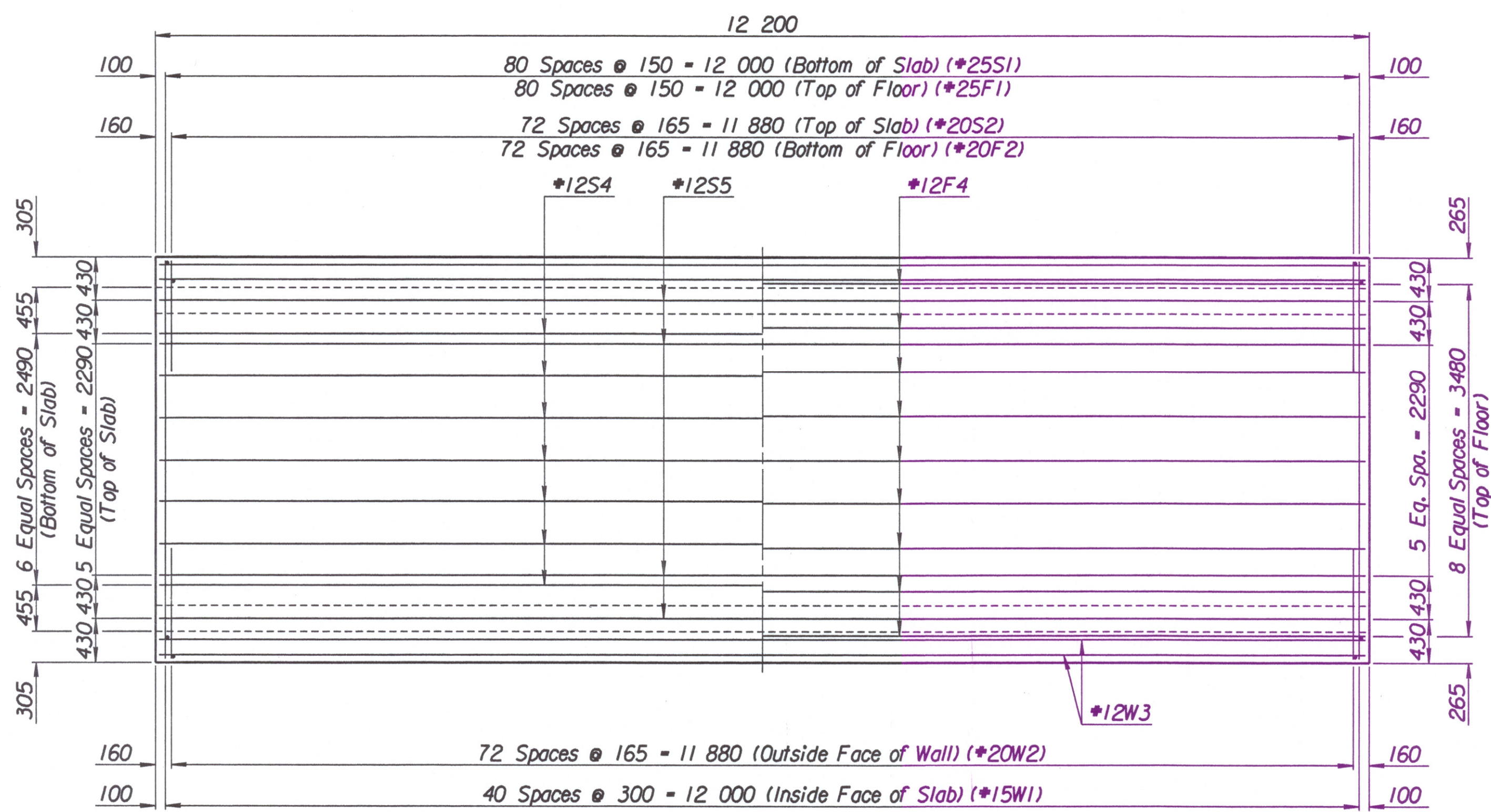


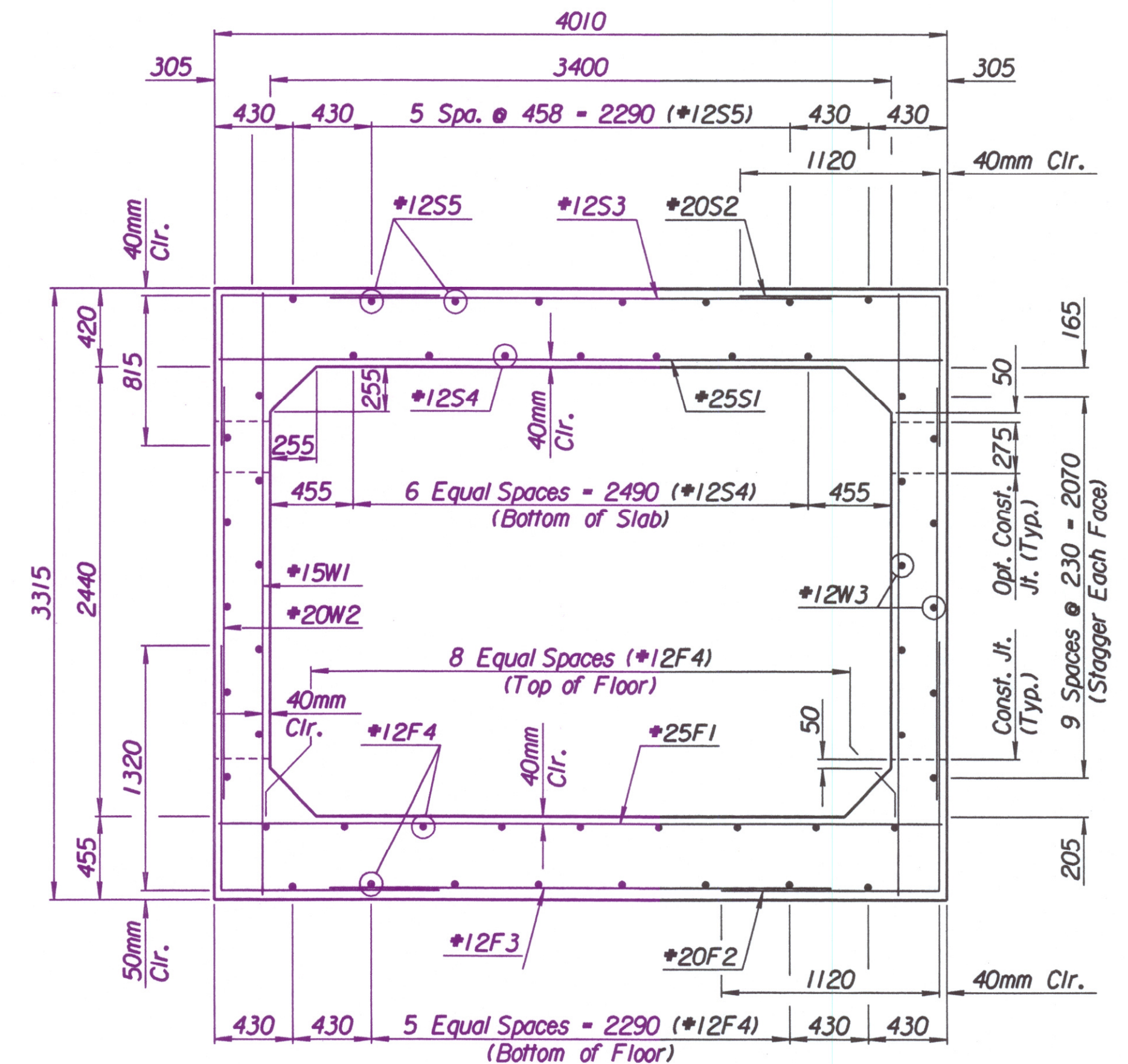
ELEVATION



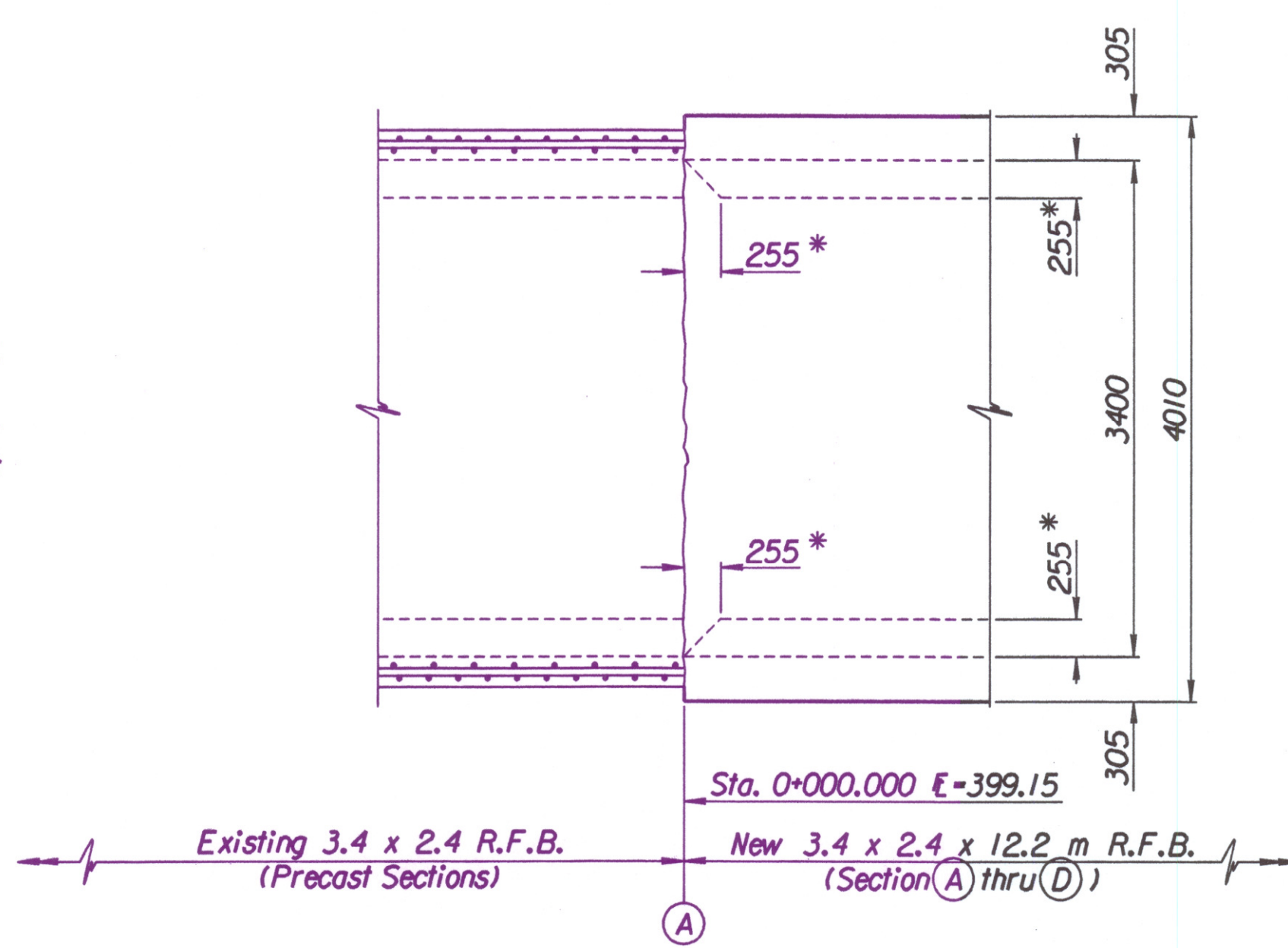
SLAB REINFORCING

FLOOR REINFORCING

PLAN

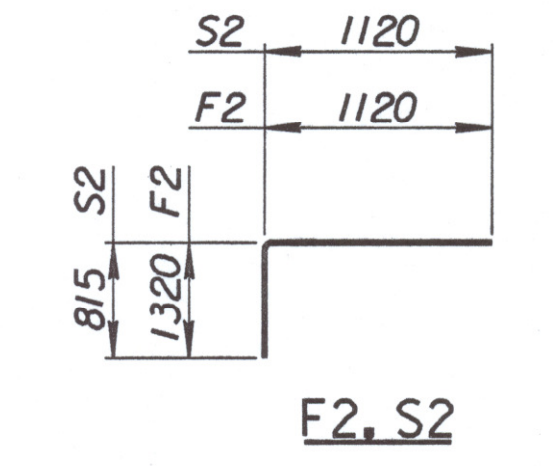


TYPICAL SECTION



PLAN AT EXISTING R.C.B.

*New R.F.B. 255 x 255 mm Fillet Transition.



BENDING DIAGRAMS
Dimensions are out to out of bars

GENERAL NOTES

DESIGN SPECIFICATION: AASHTO Specifications, 1983 Edition
 DESIGN LOADING: MS18-44
 UNIT STRESSES: Class AAA Concrete $f'_c = 28$ MPa
 Reinforcing Steel $f_y = 420$ MPa
 FILL HEIGHT: Unless otherwise noted, the Design Fill Height is measured from the riding surface at the culvert and includes the surfacing.
 CONSTRUCTION: R.C.B.'s shown are for cast-in-place construction only for Section (A) thru (D).
 CONCRETE: Use concrete conforming to Class AAA Concrete. Bevel all exposed edges with a 20 mm triangular molding. Where Class AAA(AE) is specified, place this concrete in the top slab above the Construction Joint.
 REINFORCING: Use reinforcing steel conforming to ASTM A615M, Grade 420. All dimensions relative to reinforcing steel are to the centerline of the bar unless otherwise noted.
 EXCAVATION: Excavation for culverts less than bridge length shall not be paid for directly but shall be Subsidiary to Class AAA Concrete. Excavation for RCB bridges shall be paid for as Class III Excavation.
 SEAL COURSE: The Engineer may require a seal course. The seal course shall be unreinforced Concrete (Commercial Grade) with a minimum depth of 75 mm or as determined by the Engineer. Concrete for the seal course shall be paid for at the unit price set for Concrete for Seal Course.
 FOUNDATION STABILIZATION: The Engineer may require Foundation Stabilization. The Engineer shall determine the depth of Foundation Stabilization. Foundation Stabilization shall be paid for at the unit price set for Foundation Stabilization. See the "Auxiliary Details" sheet.

REINFORCING STEEL					
Straight Bars			Bent Bars		
Mark	No.	Size Length	Mark	No.	Size Length
F1	81	*25 3910	F2	146	*20 2440
F3	37	*12 2745			
F4	17	*12 12 100			
S1	81	*25 3910	S2	146	*20 1935
S3	37	*12 2745			
S4	7	*12 12 100			
S5	8	*12 12 100			
W1	82	*15 3200			
W2	146	*20 2310			
W3	20	*12 12 100			

SUMMARY OF QUANTITIES		
Item	Quantity	Unit
Class AAA Concrete	62.6	m ³
Reinforcing Steel (Grade 420)	6025	kg

Note:
Reinforcing steel schedule indicates reinforcing for ONE 3.4x2.4x12.2m R.F.B. Section. Total sections = 3, from (A) to (D).

See Plan Profile Sheets for total number required.

No.	Revisions	By	Date
CITY OF WICHITA			
SPECIAL 3.4x2.4x12.2M R.F.B. DETAILS			
KELLOGG (US-54)			
SEDGWICK COUNTY			
Professional Engineering Consultants, P.A.			
303 S. TOPEKA • WICHITA, KANSAS 67202 316-262-2691 • FAX 316-262-3003			
Designed by	R.W.A.	Checked by	R.A.S.
Drawn by	W.L.L.	Date	Apr 11, 2002 Job No. 97362

Drawn by: will
 Plotted by: ras 2-9-2002
 1:1/1997/97362/001/Trcb/34seespc