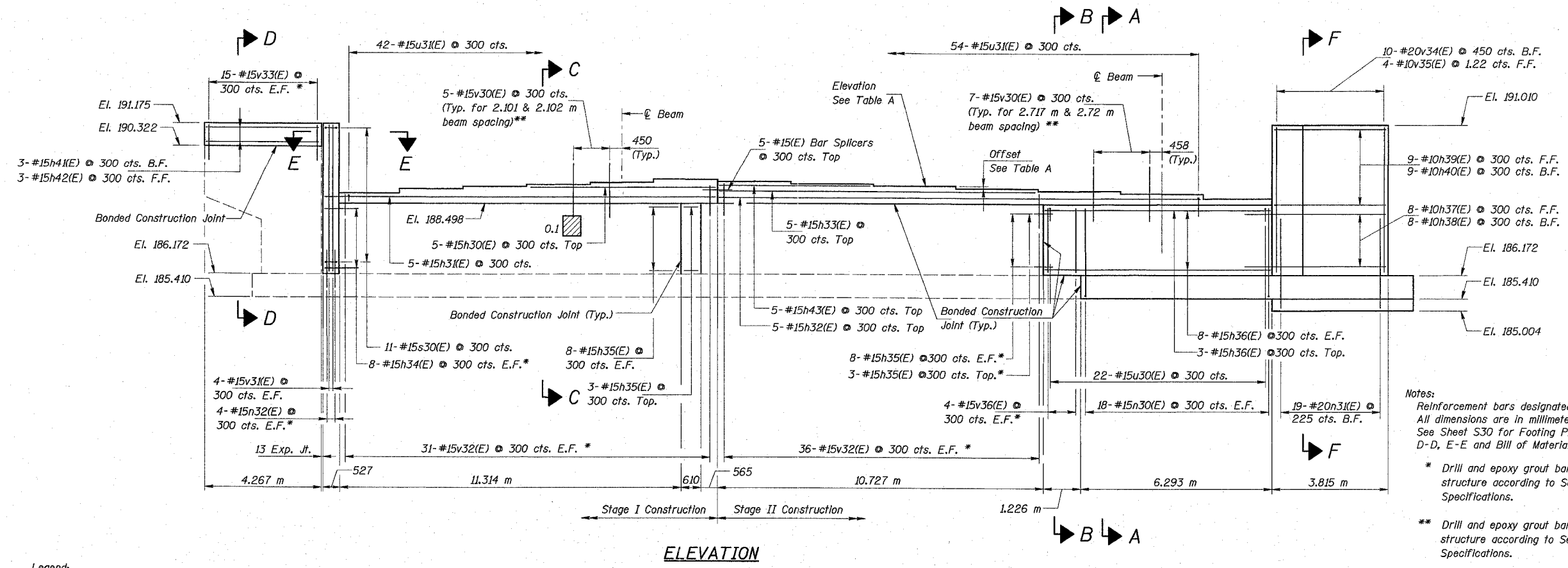


SPAN 1	
BEAM NO.	ANGLE B
1 - 7	88°-35'-30"
8	83°-09'-35"
9	77°-50'-55"
10	72°-44'-23"
11	67°-53'-58"
12	63°-22'-10"
13	59°-09'-18"



Legend:
 F.F. = Front Face
 B.F. = Back Face
 E.F. = Each Face

Notes:
 Reinforcement bars designated (E) shall be epoxy coated. All dimensions are in millimeters (mm) except as noted. See Sheet S30 for Footing Plan, Sections A-A, B-B, C-C, D-D, E-E and Bill of Material.
 * Drill and epoxy grout bars 300 (Min.) into existing structure according to Section 584 of the Standard Specifications.
 ** Drill and epoxy grout bars 450 (Min.) into existing structure according to Section 584 of the Standard Specifications.

Legend:
 Indicates High Performance-Enhanced Shotcrete in square meters

LOCATION	BEAM 1	BEAM 2	BEAM 3	BEAM 4	BEAM 5	BEAM 6	BEAM 7	BEAM 8	BEAM 9	BEAM 10	BEAM 11	BEAM 12	BEAM 13
Step Elevation	188.725	188.767	188.807	188.844	188.876	188.907	188.881	188.840	188.800	188.740	188.692	188.657	188.583
Offset	—	42	42	35	32	31	26	41	40	54	54	55	54

COLLINS ENGINEERS
 123 N. WACKER DR., SUITE 300
 CHICAGO, IL 60606
 (312) 704-9300
 ILLINOIS PROFESSIONAL DESIGN FIRM
 LICENSE NO. 184-006993

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 90 (I-90)
 AT NAGLE AVENUE
 F.A.U. RTE. 2783 SEC 1314B
 COOK COUNTY STATION 0+998.813
 STRUCTURE NO. 016-0708
NORTH ABUTMENT
 DRAWN BY KAC
 CHECKED BY LDB/DGS
 DATE: DEC. 2004