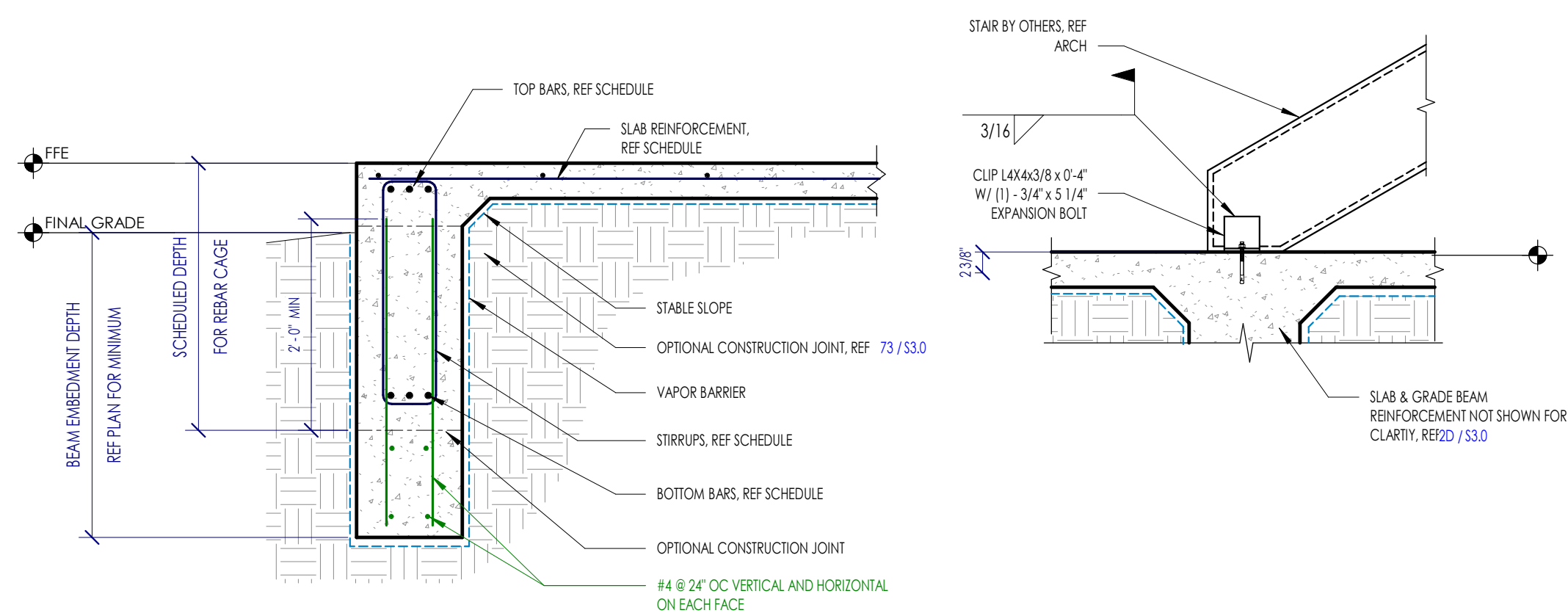
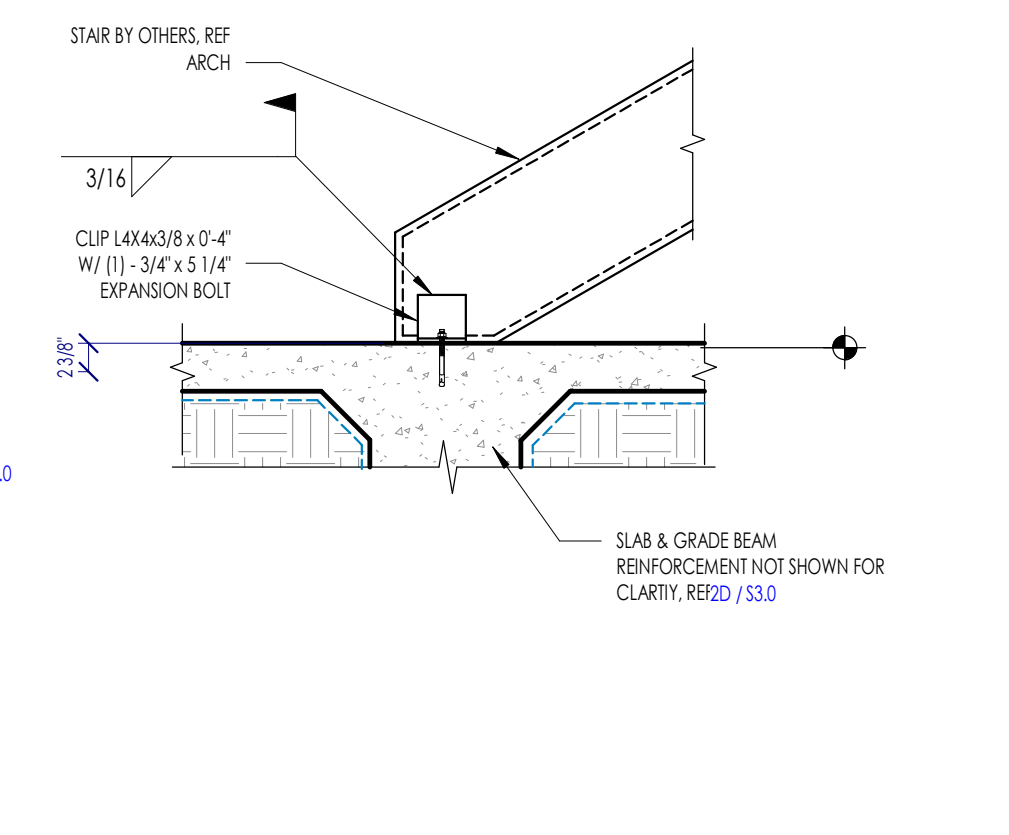


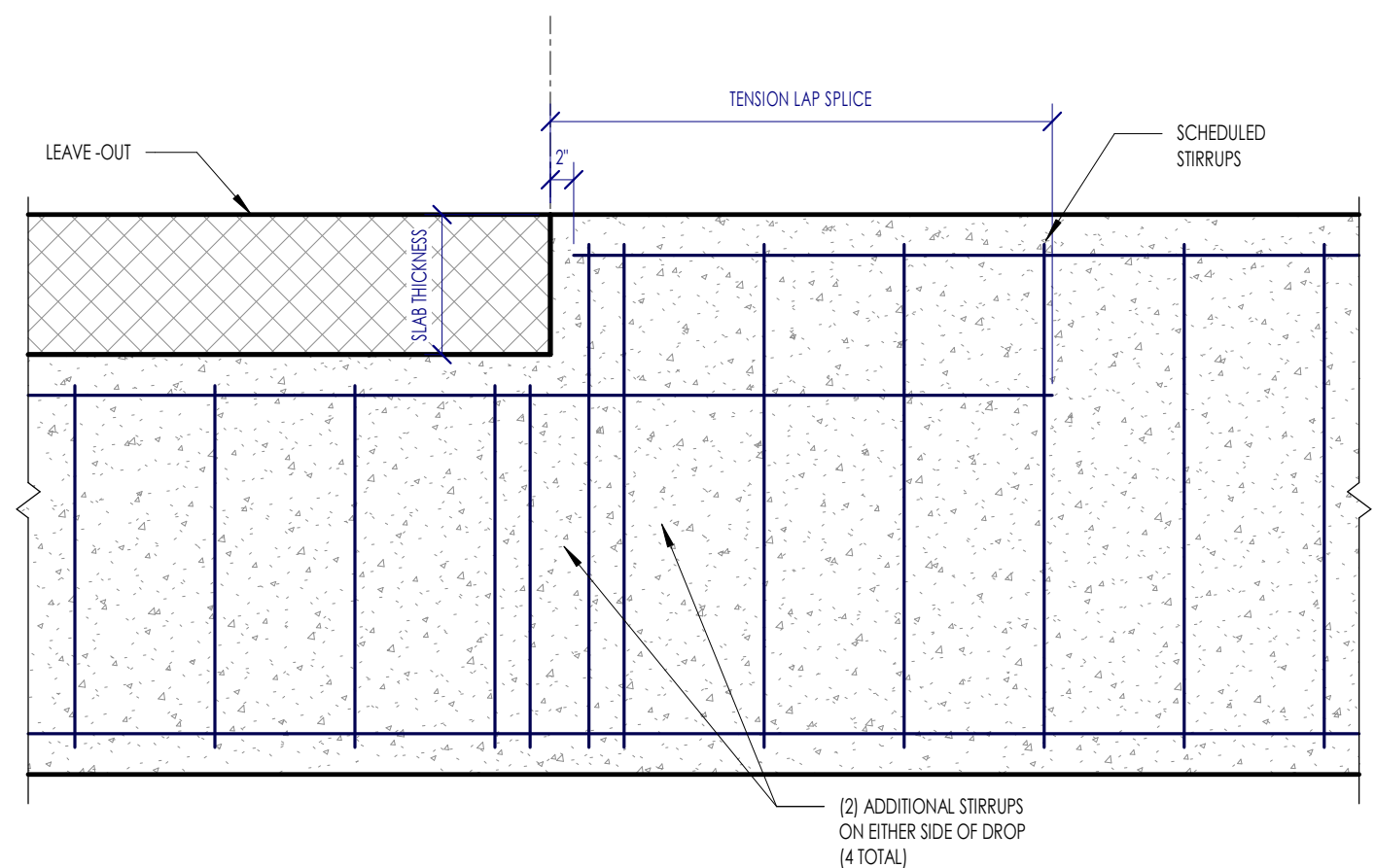
1D S3.1 TYPICAL EXTERIOR WIDENED GRADE BEAM AT CURB - VERTICAL MOISTURE BARRIER



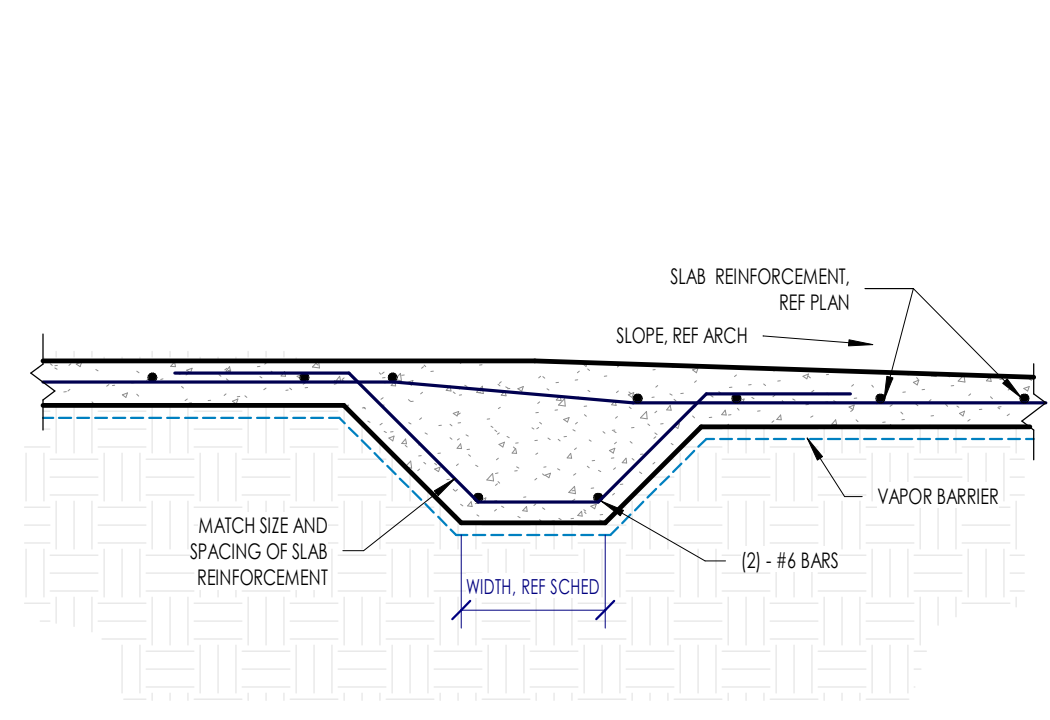
6C S3.1 TYPICAL EXTERIOR GRADE BEAM - VERTICAL MOISTURE BARRIER



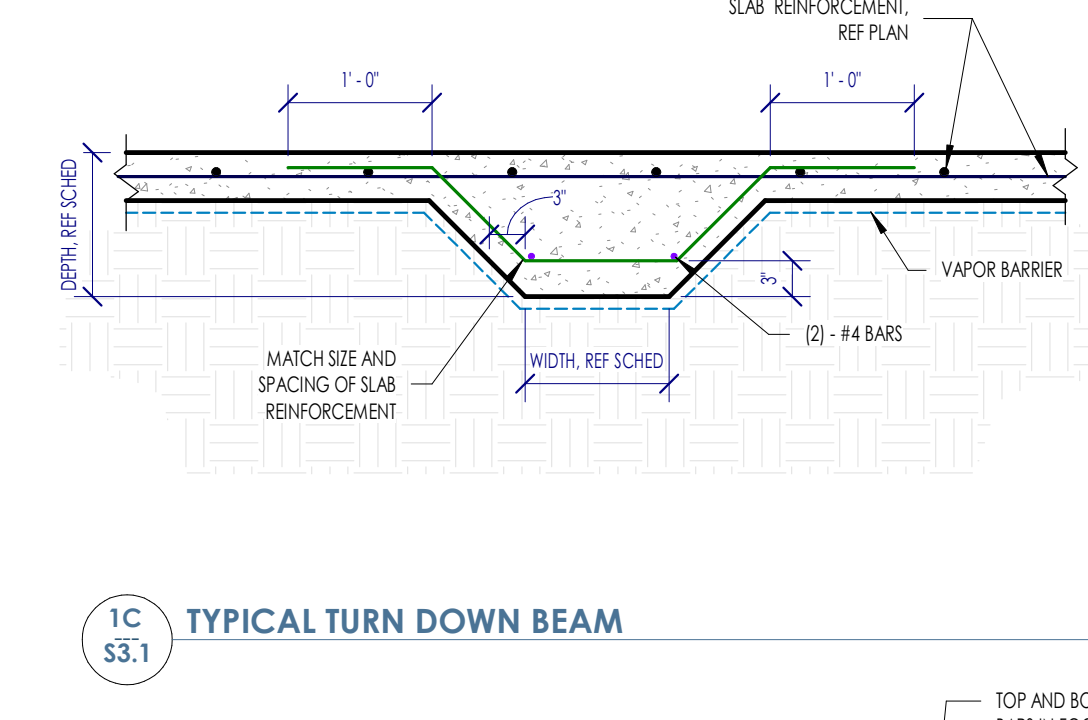
5C S3.1 TYPICAL GRADE BEAM AT STEEL STAIRS



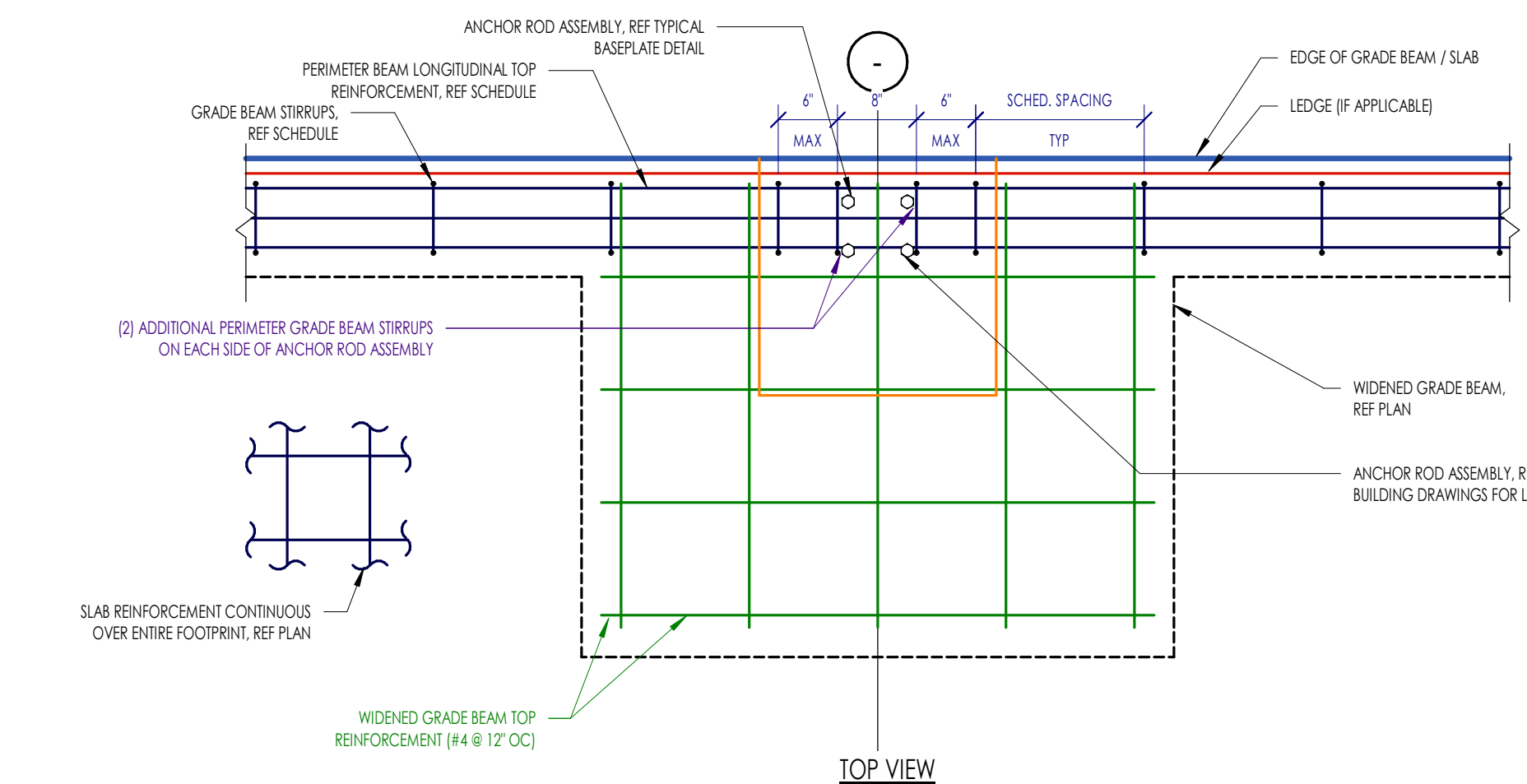
4C S3.1 TYPICAL DROP TRANSITION IN GRADE BEAM TOP REINFORCEMENT AT SLAB LEAVE-OUT



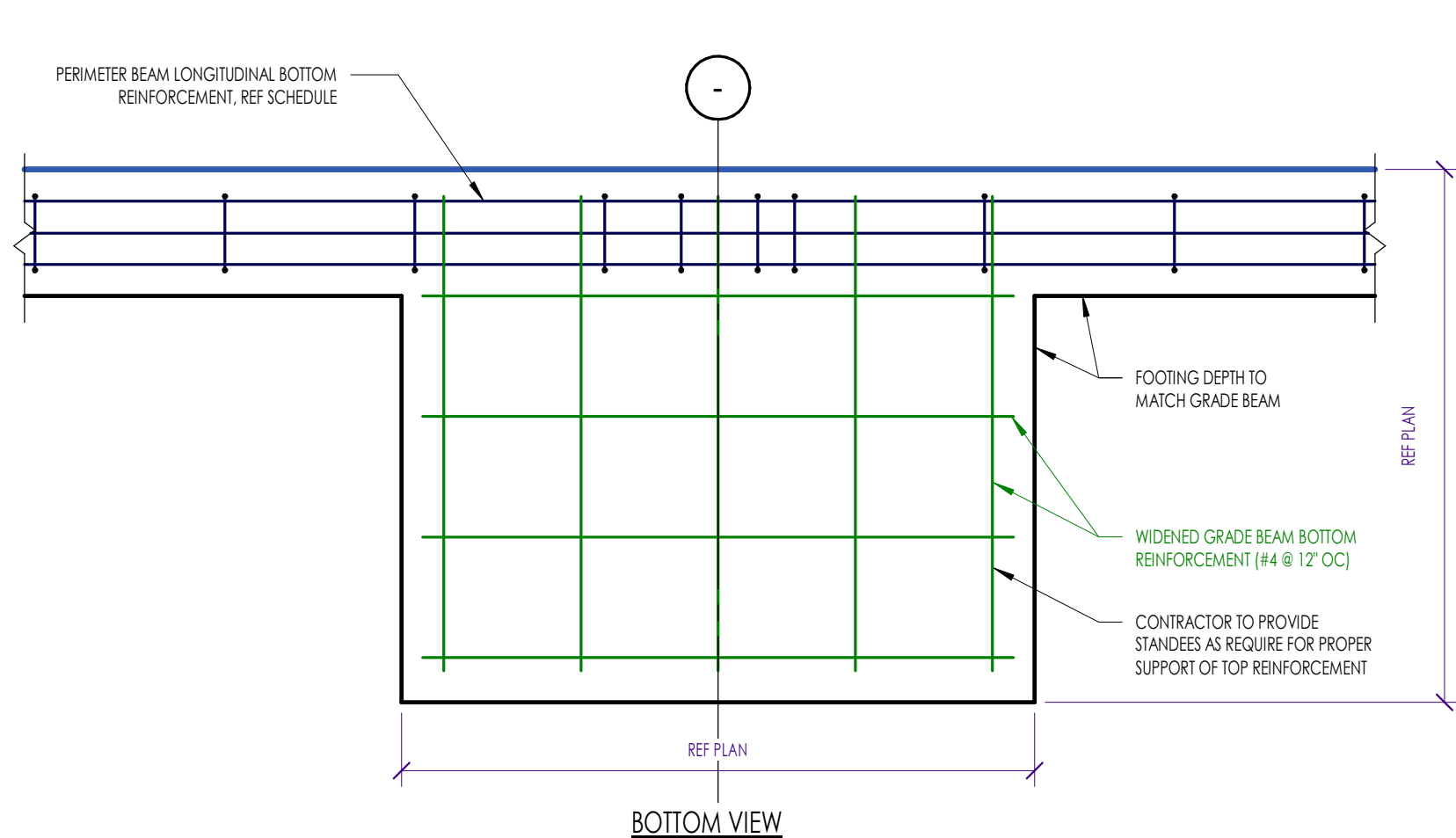
2C S3.1 CSOG - TURN DOWN AT SLAB DROP



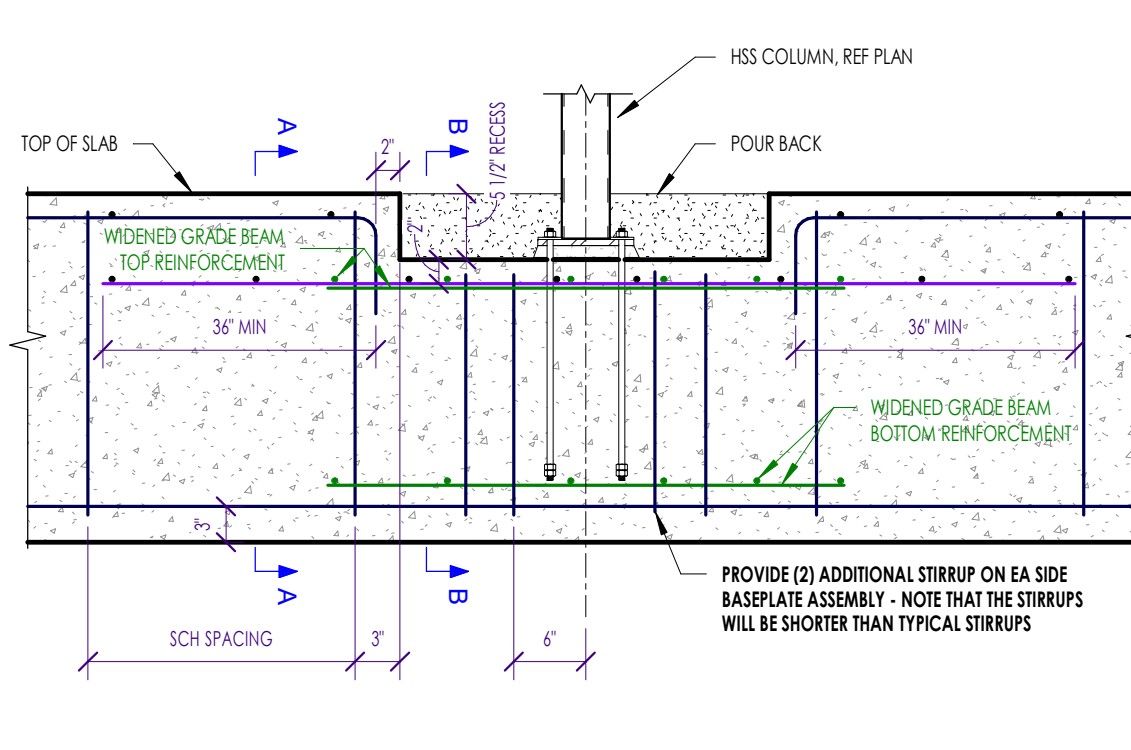
1C S3.1 TYPICAL TURN DOWN BEAM



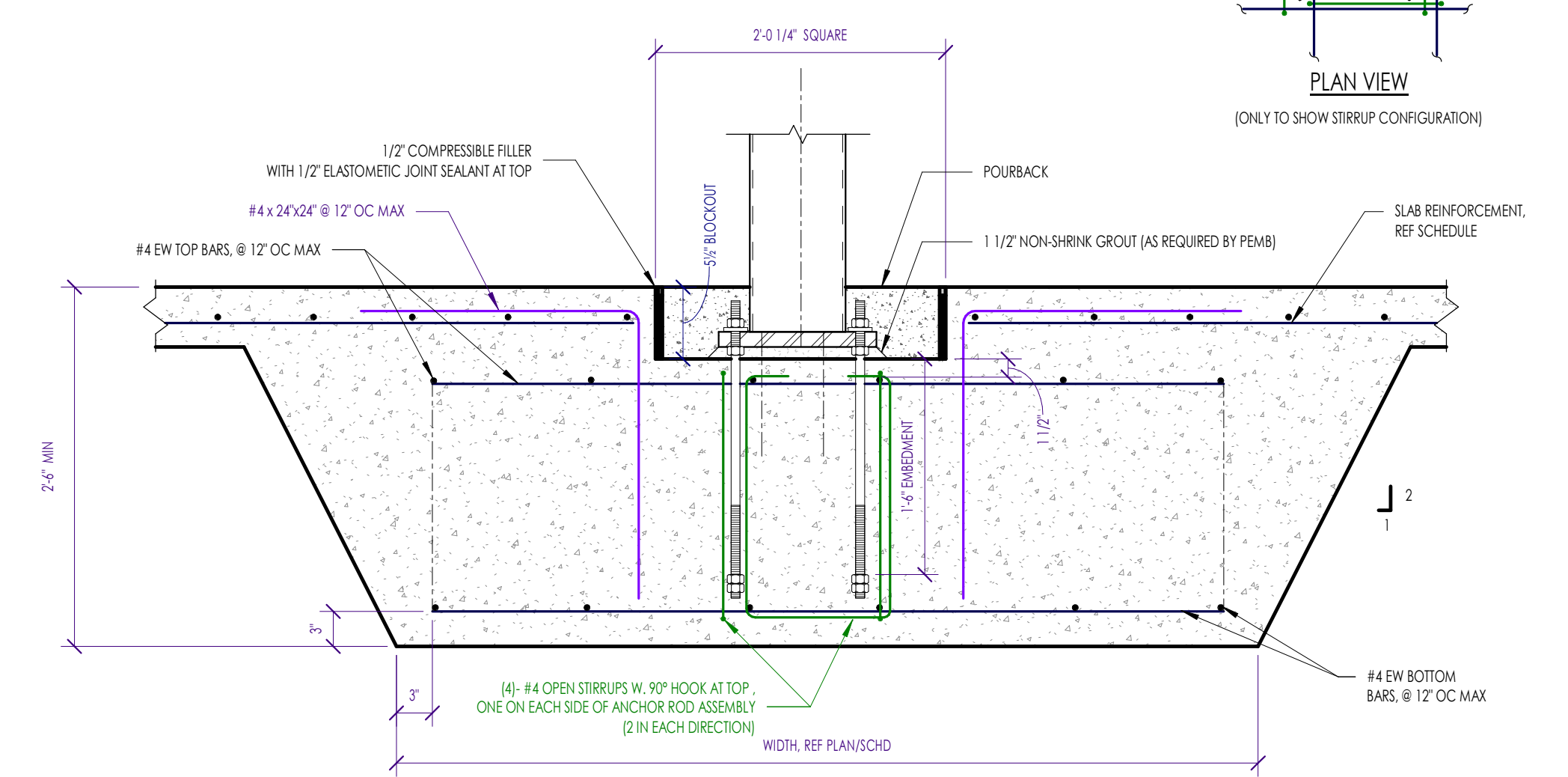
6B S3.1 TYPICAL WIDENED FOOTING AT COLUMN - EMBEDDED BASE PLATE



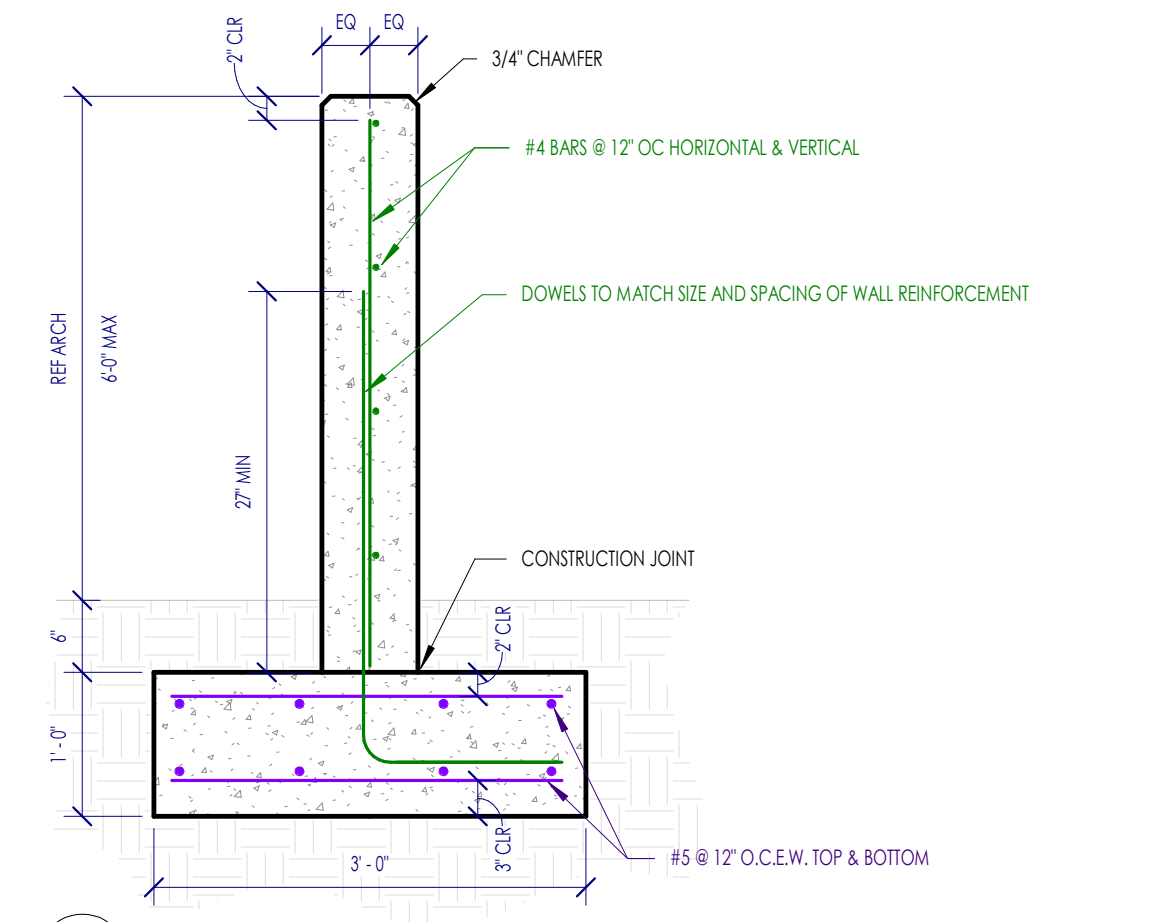
5C S3.1 TYPICAL GRADE BEAM AT STEEL STAIRS



3A S3.1 TYPICAL ANCHOR ROD



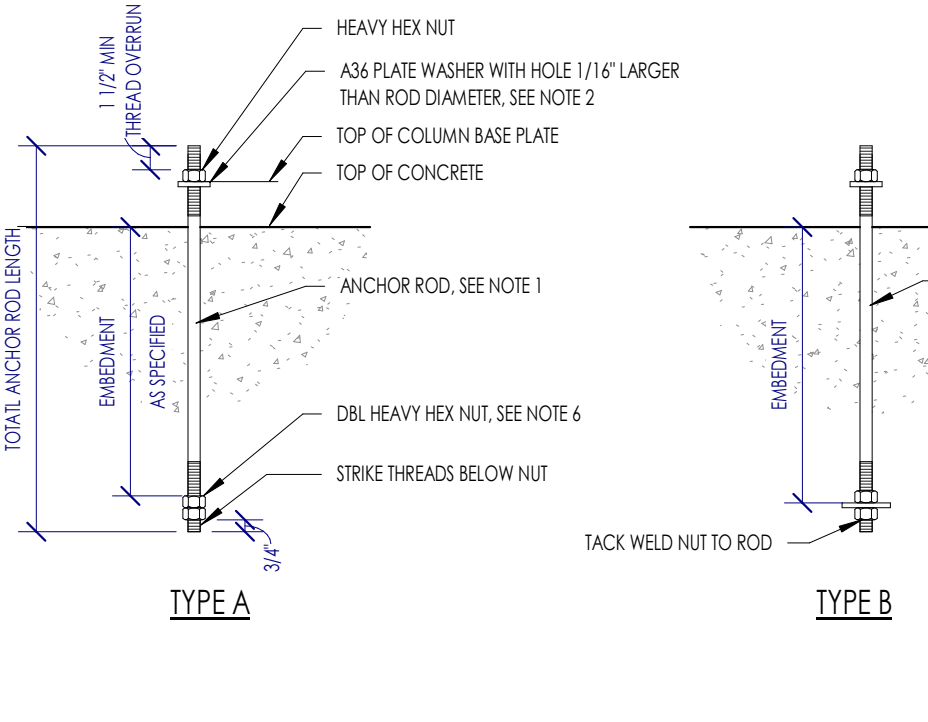
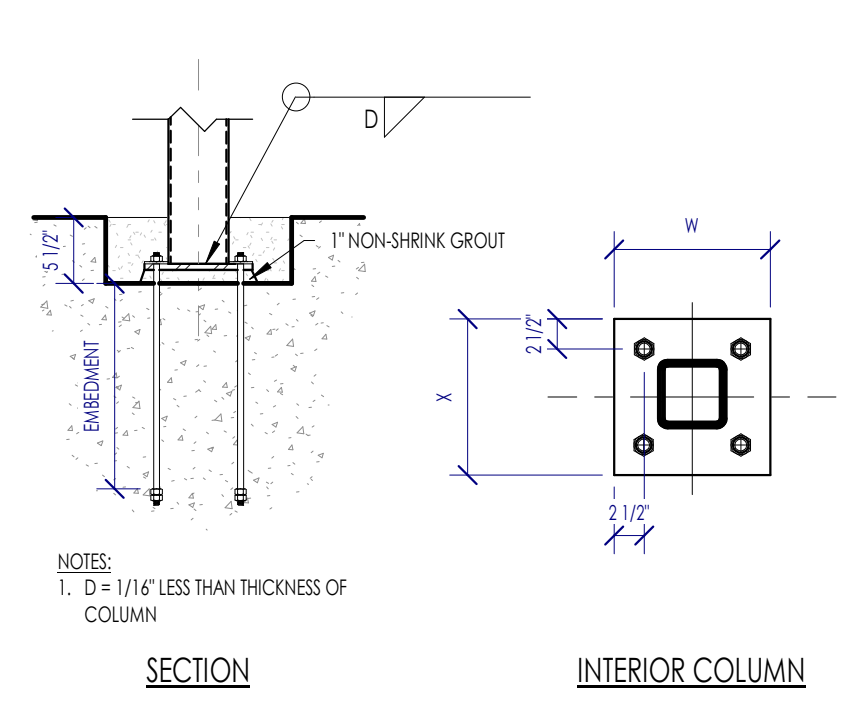
2B S3.1 TYPICAL SPREAD FOOTING AT INTERIOR COLUMN



4A S3.1 TYPICAL MOMENT SIGN FOUNDATION

COLUMN	BASE PLATE DIMENSIONS				CONDITION	ANCHOR BOLTS		
	X	W	T	F		NO./TYPE	DIA.	EMBEDMENT
HSS3x5.3	13"	13"	1"	1"	INTERIOR	4/A	1"	1'-0"
HSS8x8	16"	16"	1"	1"	INTERIOR	4/A	1"	1'-0"

5A S3.1 TYPICAL BASEPLATE DETAIL



ANCHOR ROD DIAMETER	HOLE DIAMETER	SQUARE PLATE WASHER SIZE	PLATE WASHER THICKNESS	TYPE B ANCHOR PLATE
5/8"	1.31/4"	1 1/2"	1/4"	PL17X10-4
3/4"	1.51/4"	2"	1/4"	PL17X10-4
7/8"	1.91/4"	2 1/2"	5/16"	PL17X10-4
1"	1.131/4"	3"	3/8"	PL11X10-5
1 1/2"	2.51/4"	3 1/2"	1/2"	PL11X10-5

- NOTES:
1. ALL TYPE A ANCHOR RODS SHALL BE F1554 GRADE 36.
 2. ALL TYPE B ANCHOR RODS SHALL BE F1554 GRADE 55.11.
 3. PLATE WASHERS MUST BE WELDED TO THE ANCHOR PLATE WITH MINIMUM 3/16" FLLET WELD ALL-AROUND.
 4. EMBEDMENT DEPTH ARE PRELIMINARY. FINAL EMBEDMENT TO BE PROVIDED AFTER REVIEW OF METAL BUILDING REACTIONS.
 5. ALL ANCHOR ROD HOLES SHALL ADHERE TO AISC DESIGN GUIDE 01 - TABLE 2.3.
 6. THE DOUBLE NUT MAY BE OMITTED IF THE NUT IS TACK WELDED TO THE ROD.

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Date	Description
06/02/2022	Review before Permit