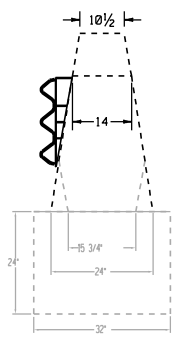
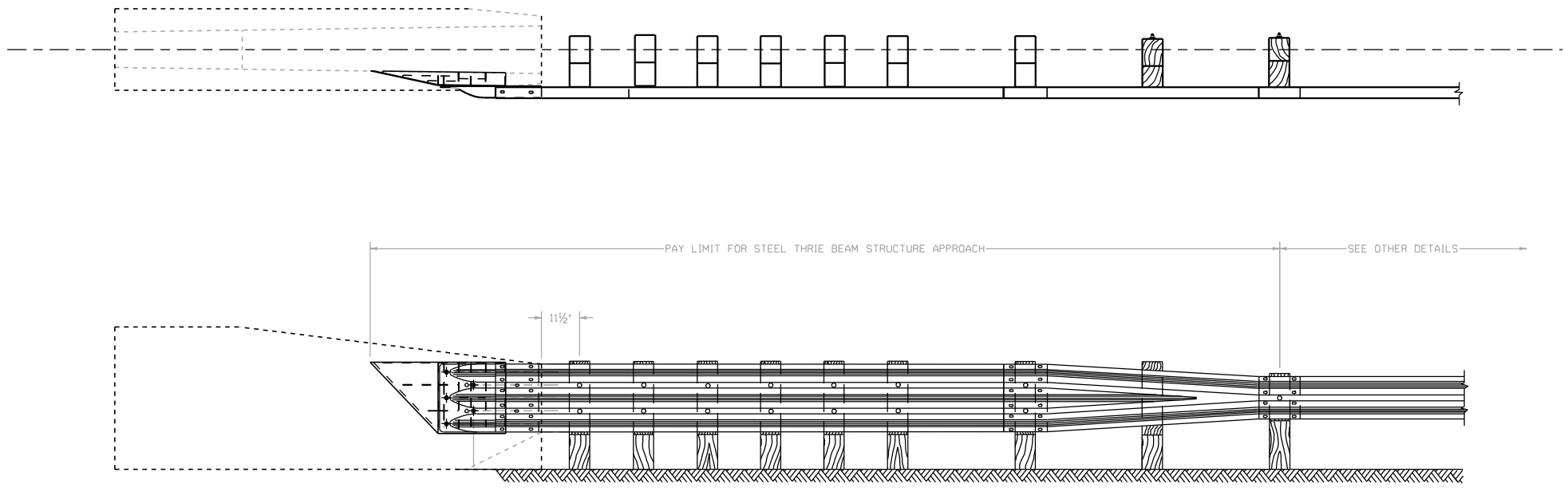
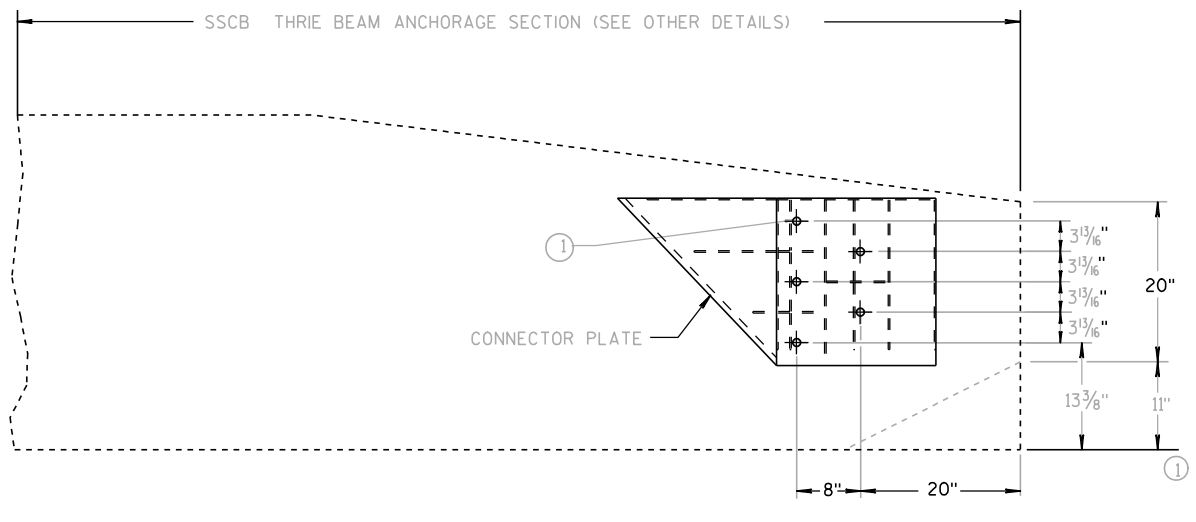




SEE SDD 14B-20 FOR OTHER DETAILS.
CONSTRUCT PER STANDARD SPECIFICATION 614.
CONNECTOR PLATE INSIDENTAL TO STEEL THRIE BEAM STRUCTURE APPROACH.



⅞" DIAMETER SELF-DRILLING RAMSET/REDHEAD CONCRETE ANCHOR (OR APPROVED EQUAL) FOR A325 BAR (TYPICAL).
MINIMUM CONCRETE ANCHOR EMBEDMENT 4".
USE ⅞" DIAMETER A325 BOLT WITH HEX HEAD AND, NUT AND WASHER.

CONNECTOR PLATE LOCATION

STEEL THRIE BEAM STRUCTURE APPROACH

DRAFT
1-29-09

GENERAL NOTES

COVER PLATE PANELS ARE 3/16" THICK.

ALL STIFFENERS ARE 1/4" THICK.

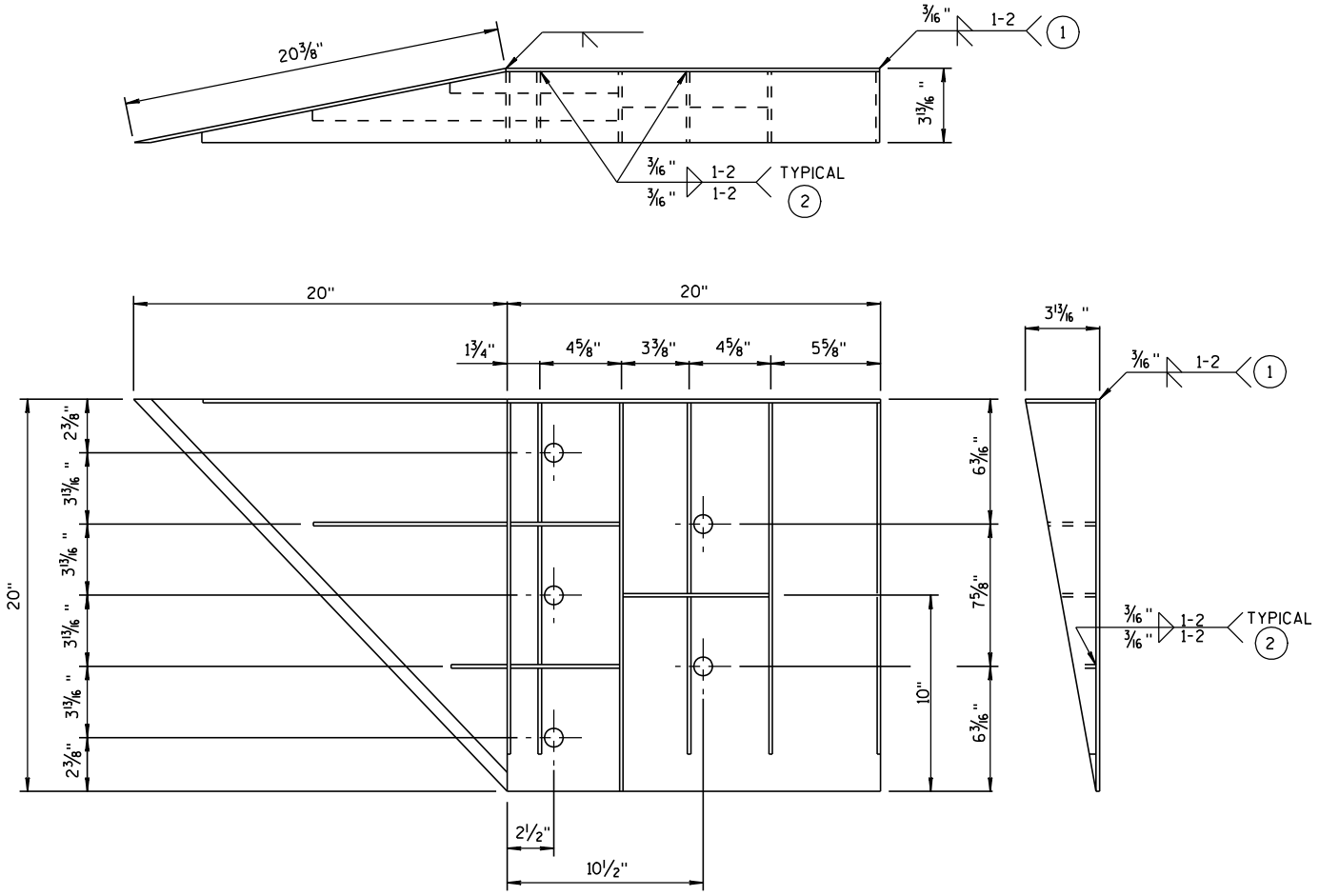
CONNECTOR PLATE SHALL BE FABRICATED FROM ASTM GRADE A36 STEEL AND GALVANIZED.

FOR GALVANIZED REQUIREMENTS, SEE SECTION 614 OF THE STANDARD SPECIFICATIONS.

ALL HOLE DIAMETERS SHALL BE 1".

(1) STIFFENERS LOCATED AT THE OUTSIDE EDGES OF THE COVER PLATES SHALL BE WELDED AS FOLLOWS:
SINGLE BEVEL GROOVE WELD ON EXTERNAL SIDES AND 3/16" FILLET WELD BY 1" LONG SPACED AT 2" ON INTERNAL SIDES.

(2) STEFFENERS LOCATED ON THE INSIDE OF THE COVER PLATE SHALL BE WELDED AS FOLLOWS:
3/16" FILLET WELD BY 1" LONG SPACED AT 2".



WELDING INSTRUCTION

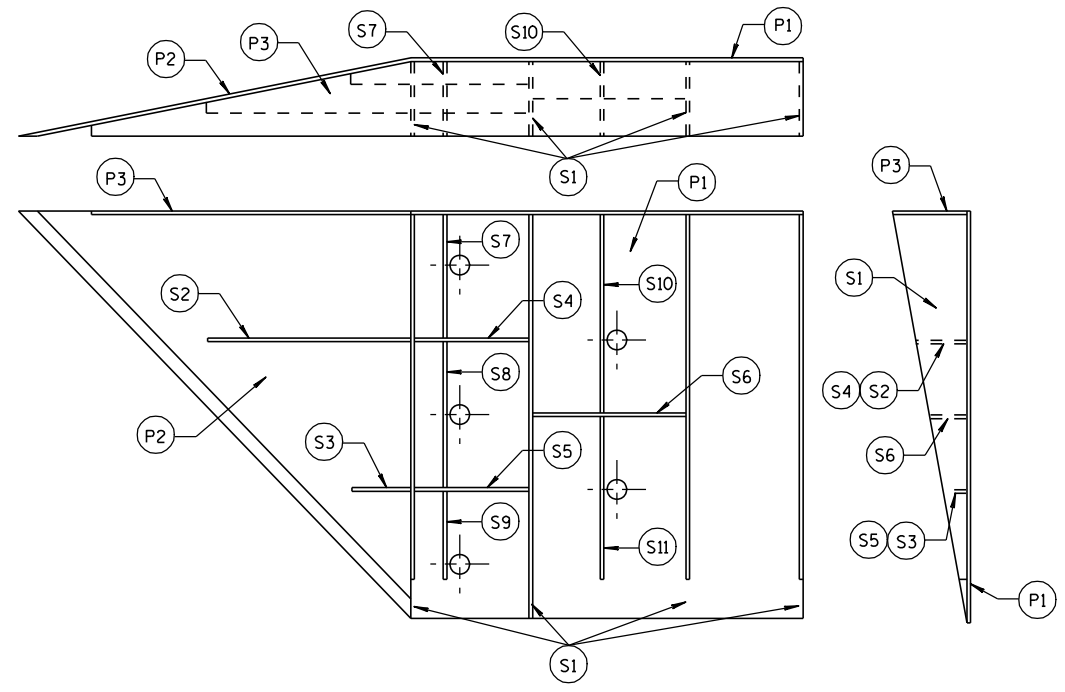
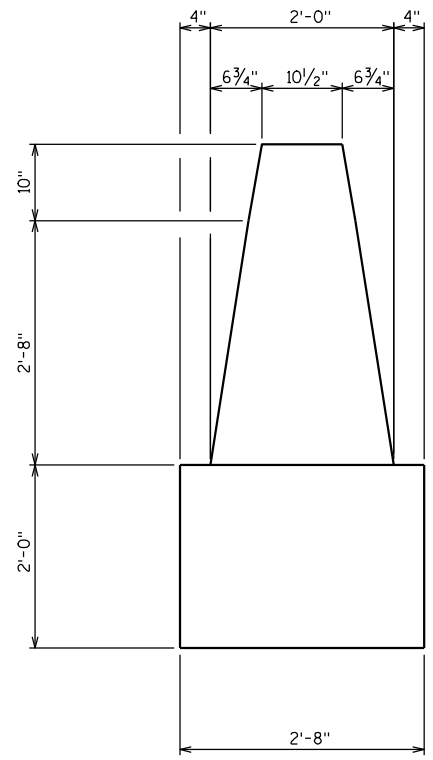


PLATE AND STIFFENER IDENTIFICATION

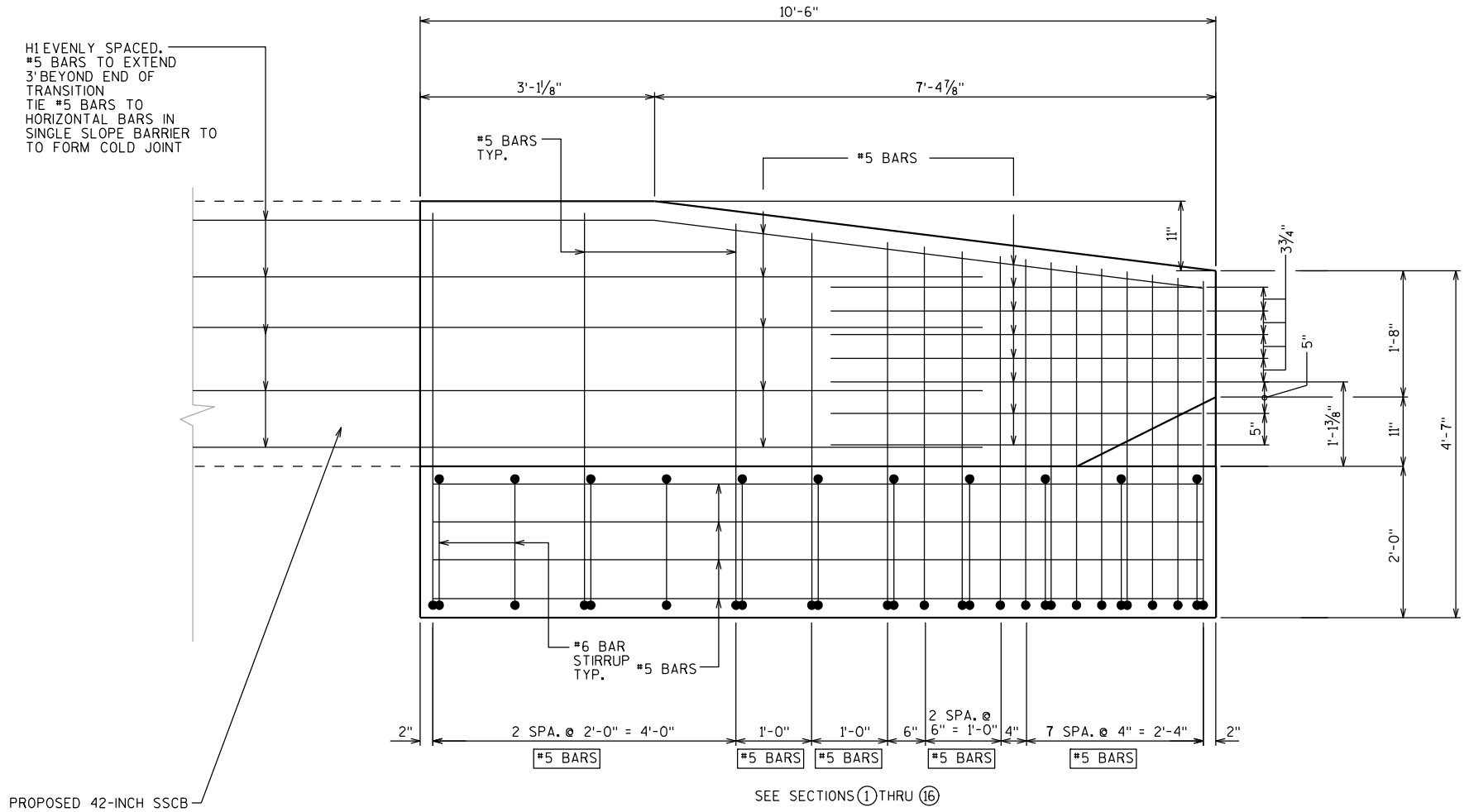
CONNECTOR PLATE DIMENSION (PER ASSEMBLY)				
PLATE	QTANTITY	SHAPE	SIZE (A x B x C x D)	THICKNESS
P1	1		20" x 20"	3/16"
P2	1		20" x 20" x 28 9/16"	3/16"
P3	1		39" x 3 5/8" x 20" x 19 5/16"	3/16"
S1	4		18 7/16" x 3 5/8" x 18 3/4"	1/4"
S2	1		10 1/4" x 2 7/16" x 10 3/8" x 1/2"	1/4"
S3	1		3" x 1 1/16" x 3 1/8" x 1/2"	1/4"
S4	1		6 1/8" x 2 7/16"	1/4"
S5	1		6 1/8" x 1 1/16"	1/4"
S6	1		7 3/4" x 1 3/4"	1/4"
S7	1		2 9/16" x 6" x 3 5/8" x 5 7/8"	1/4"
S8	1		1 9/32" x 7 1/2" x 2 1/2" x 7 3/8"	1/4"
S9	1		6 1/16" x 6 3/16" x 1 3/32"	1/4"
S10	1		1 7/8" x 9 7/8" x 3 5/8" x 9 11/16"	1/4"
S11	1		8 1/2" x 8 3/4" x 1 13/16"	1/4"

DRAFT
1-22-09

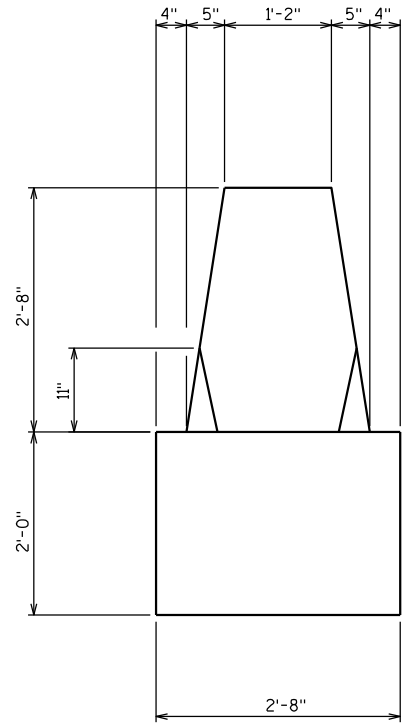
STEEL THRIE BEAM STRUCTURE APPROACH



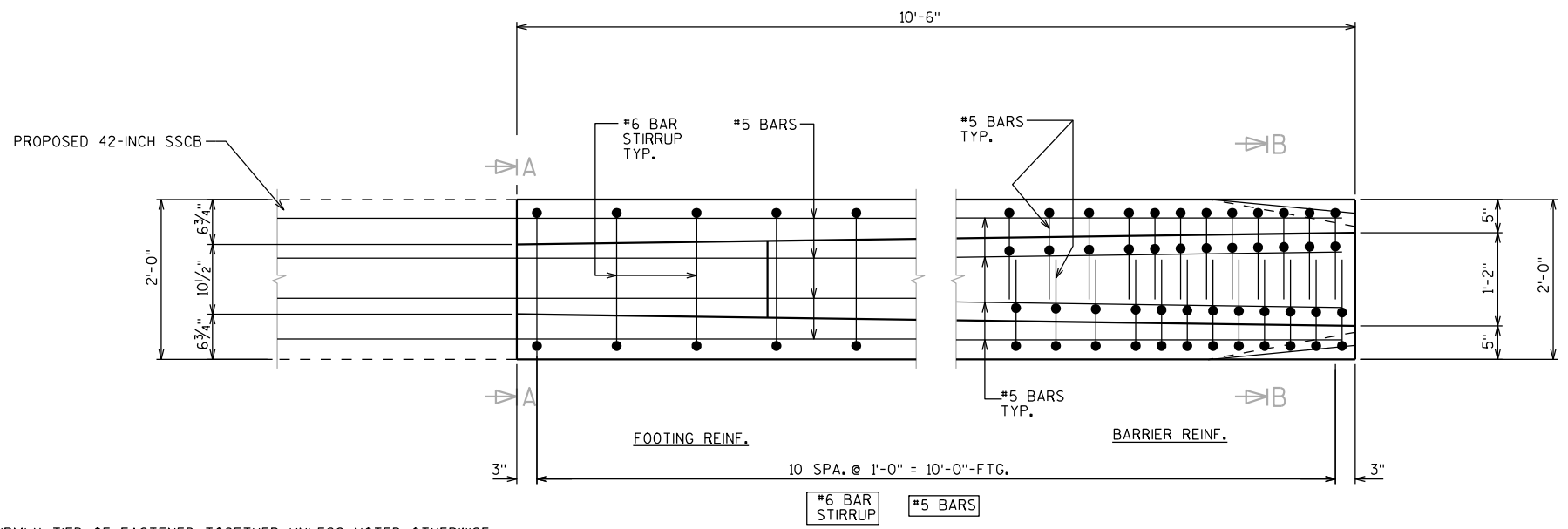
SECTION A-A



ELEVATION VIEW



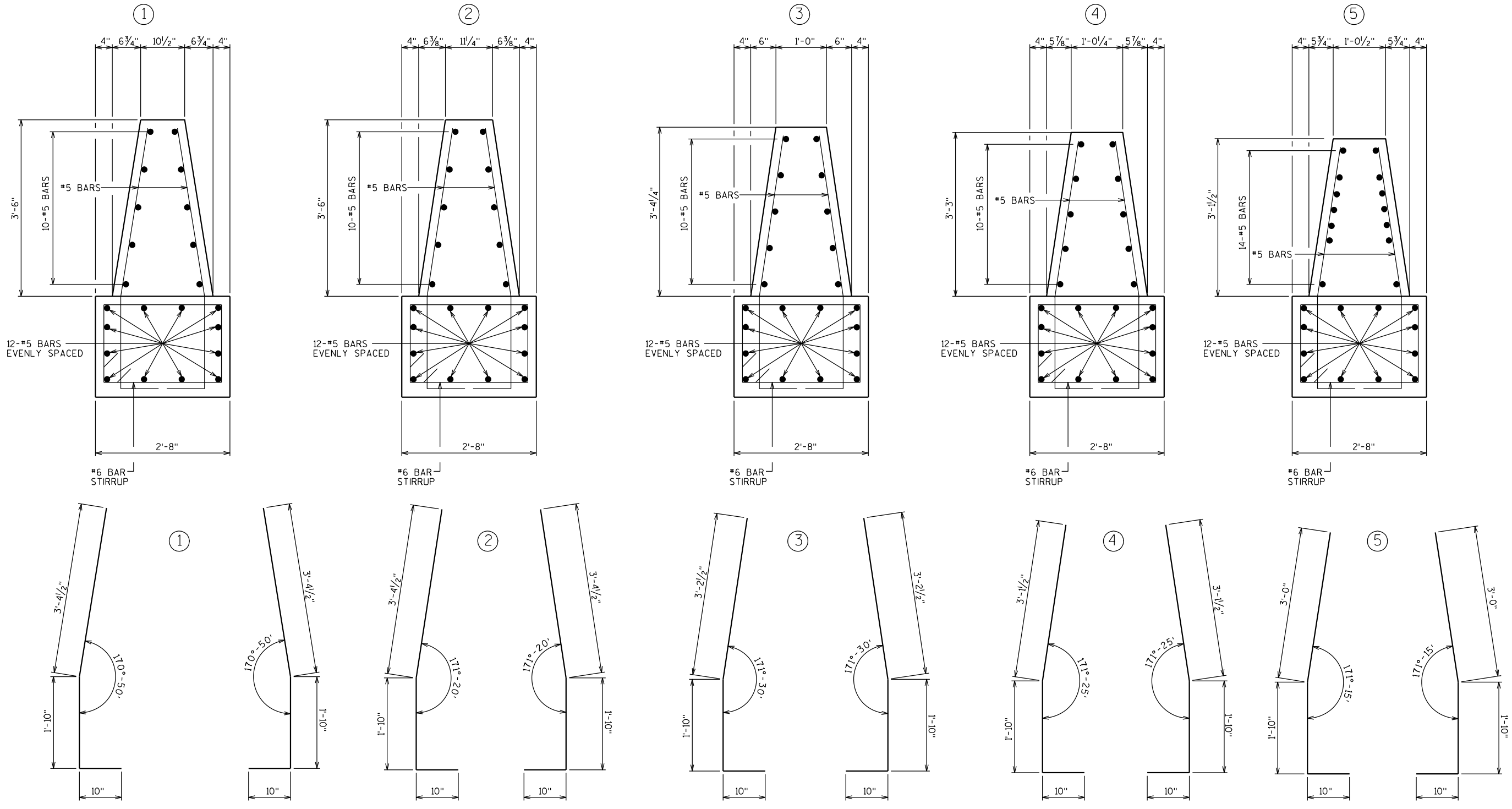
SECTION B-B



PLAN VIEW

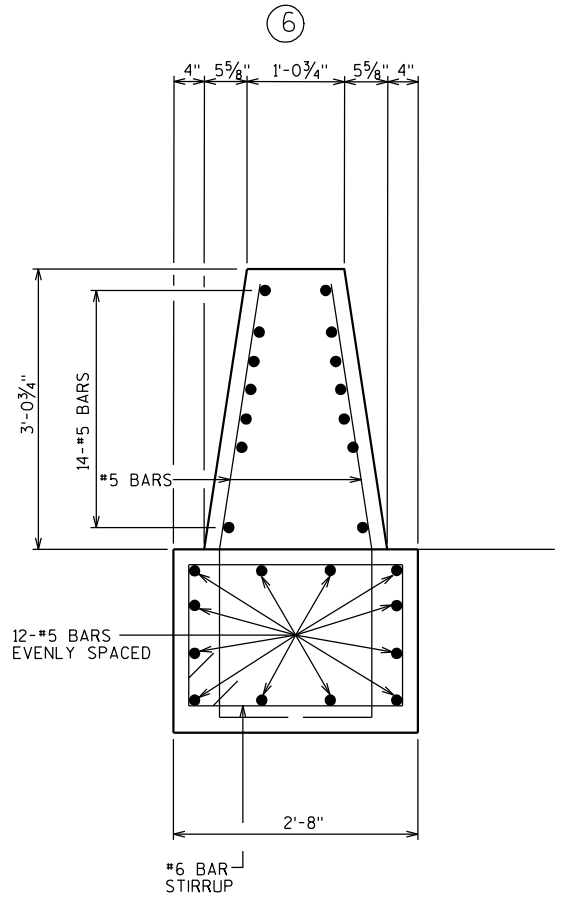
CONSTRUCT PER STANDARD SPECIFICATION 603.
SPLICES OF LONGITUDINAL BARS TO BE 2' LONG AND FIRMLY TIED OF FASTENED TOGETHER UNLESS NOTED OTHERWISE.
4000 PSI CONCRETE WITH AIR ENTRAINMENT PER STANDARD SPECIFICATIONS SECTION 501.
USE ¾" BEVEL OR 1" RADIUS ON ALL EXPOSED SHARP EDGES UNLESS NOTED OTHERWISE.
THRIE BEAM ANCHORAGE INCIDENTAL TO CONCRETE BARRIER ITEM.

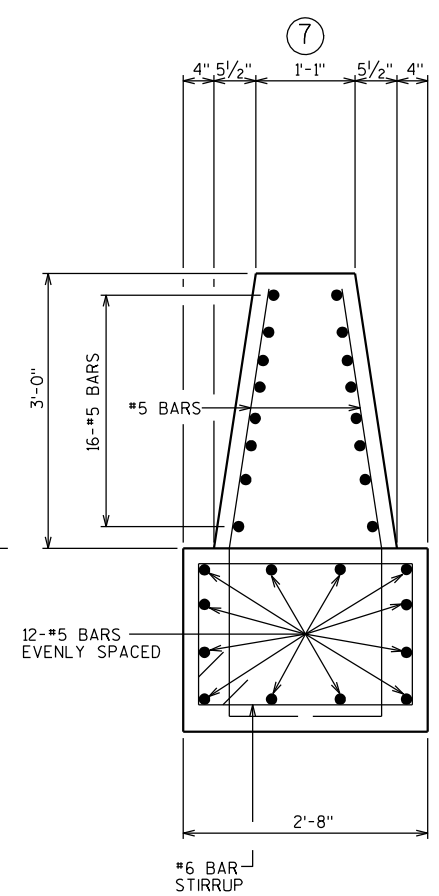
42-INCH SSCB THRIE BEAM ANCHORAGE DETAILS

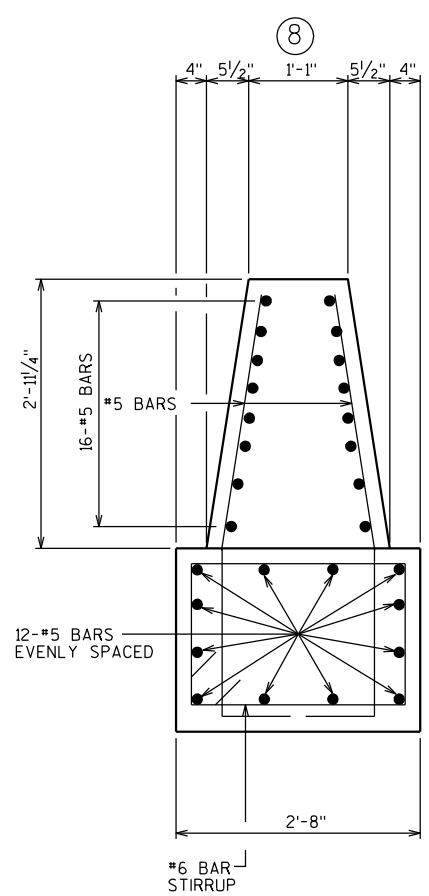


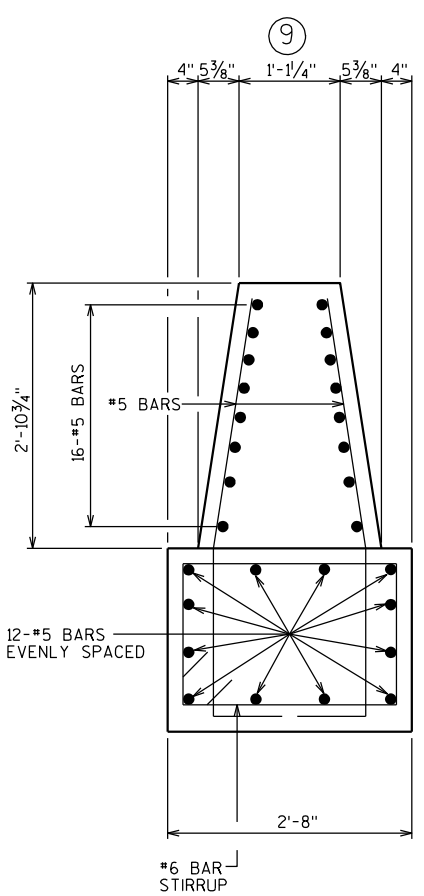
VERTICAL BAR STEEL DETAILS

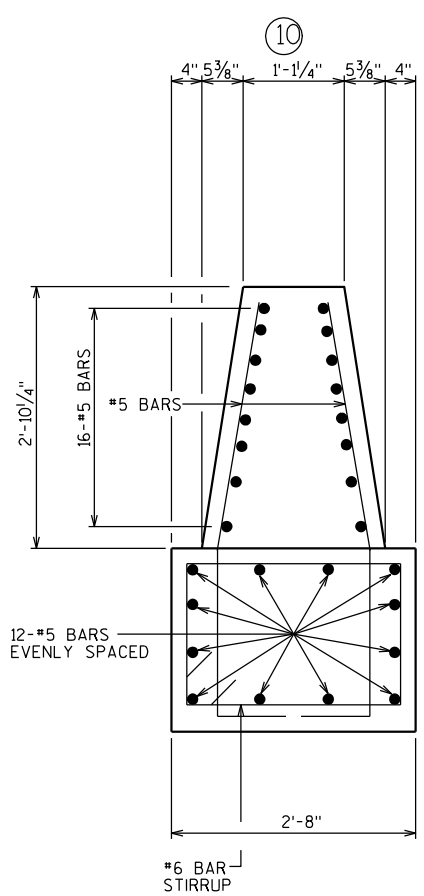
42-INCH SSCB THRIE BEAM ANCHORAGE DETAILS

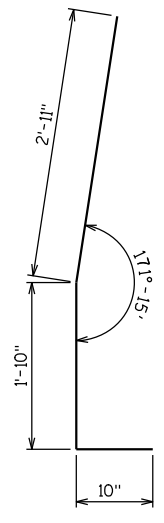


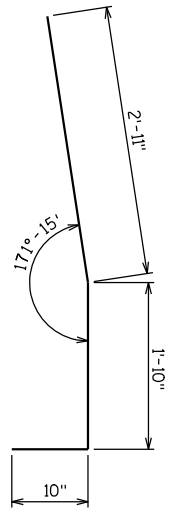


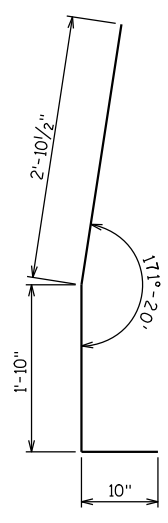


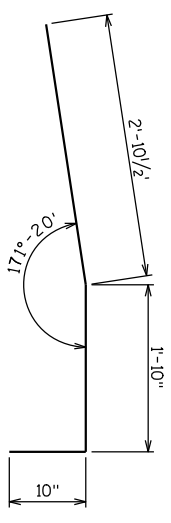


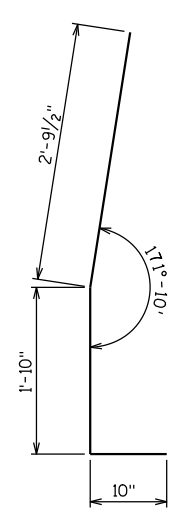


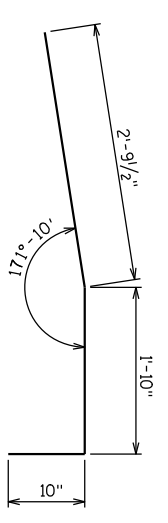


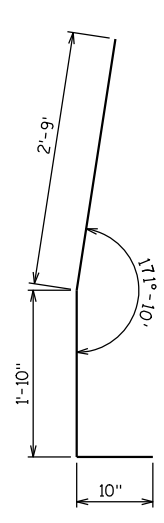


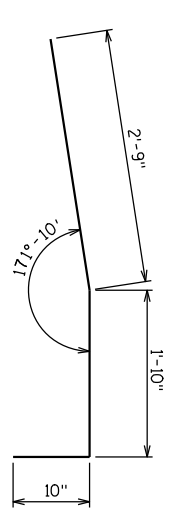


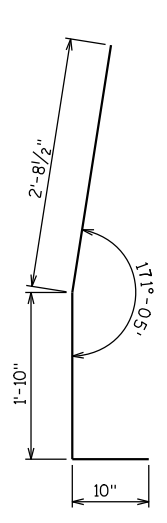


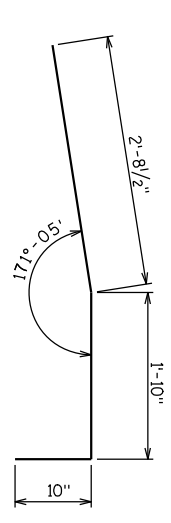


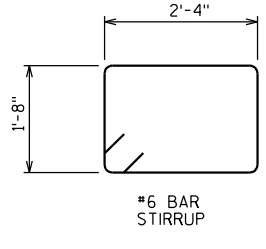






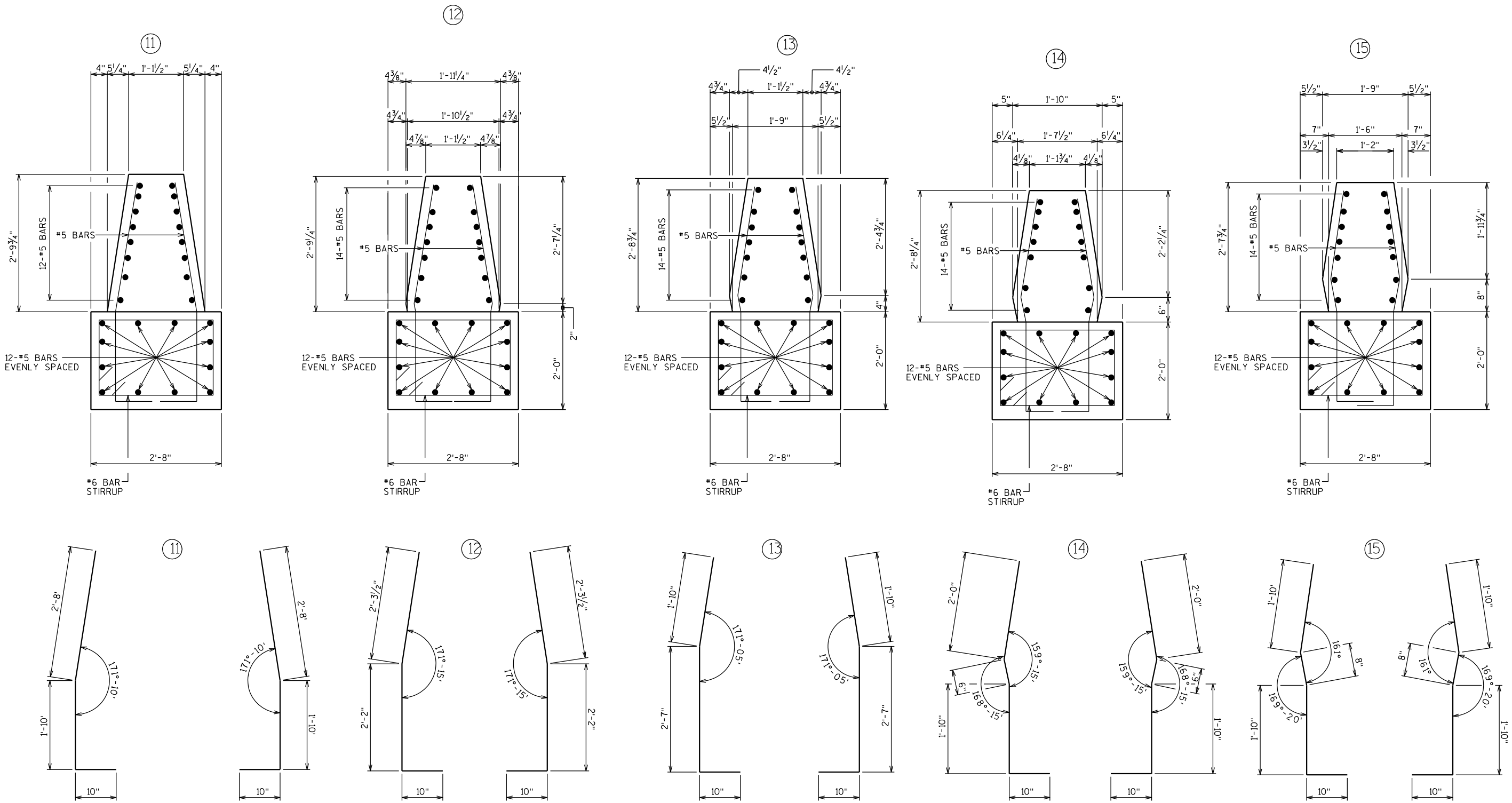






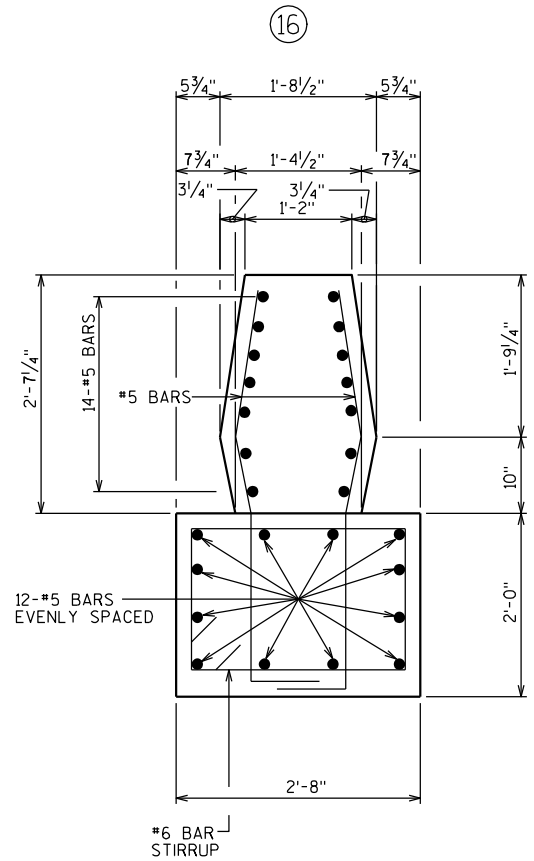
VERTICAL BAR STEEL DETAILS

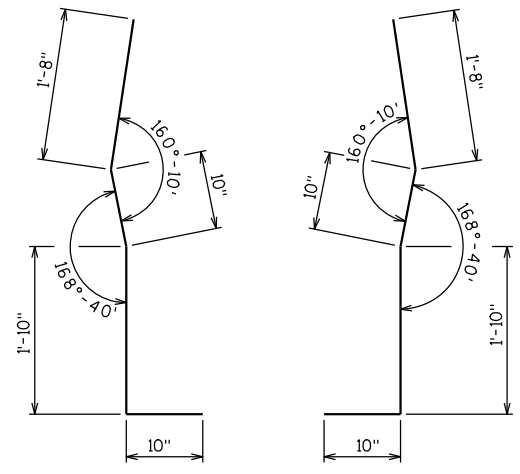
42-INCH SSCB THRIE BEAM ANCHORAGE DETAILS



VERTICAL BAR STEEL DETAILS

42-INCH SSCB THRIE BEAM ANCHORAGE DETAILS





VERTICAL BAR STEEL DETAILS

42-INCH SSCB THRIE BEAM ANCHORAGE DETAILS