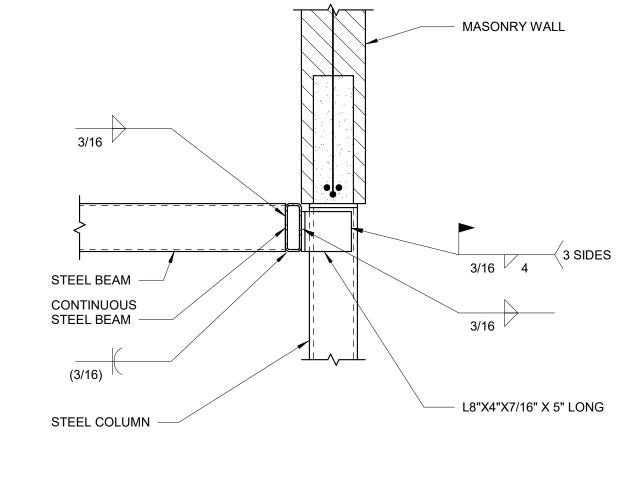


PER DETAIL 235 / S-503

DETAIL 234 / S-503

PLATE THICKNESS B. COMPLETE PENETRATION WELD BEAM TO COLUMN BETWEEN ACCESS HOLES - SHEAR PLATE SERVES AS BACKING -WELD: QC/QA CATEGORY BM/L





**ISSUED** BUILDING PERMIT REVIEW

**GOLETA** 

WEST

**UCSB Campus** 

Parking Lot 32

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EDUARDO GALINDO ARCHITECT

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DATE

29 AUG 2023

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OF BEAM FLANGES - SPOT WELDING FOR ATTACHMENT OF METAL DECKING IS PERMITTED IN THIS REGION b = 0.65dMAKE CIRCULAR CUTS WITH CONTINUITY PLATE RADIUS =  $\frac{4(0.2Bf)^2 + (0.65d)^2}{4(0.2Bf)^2 + (0.65d)^2}$ STEEL SHEAR PLATE TOP AND BOTTOM FLANGE

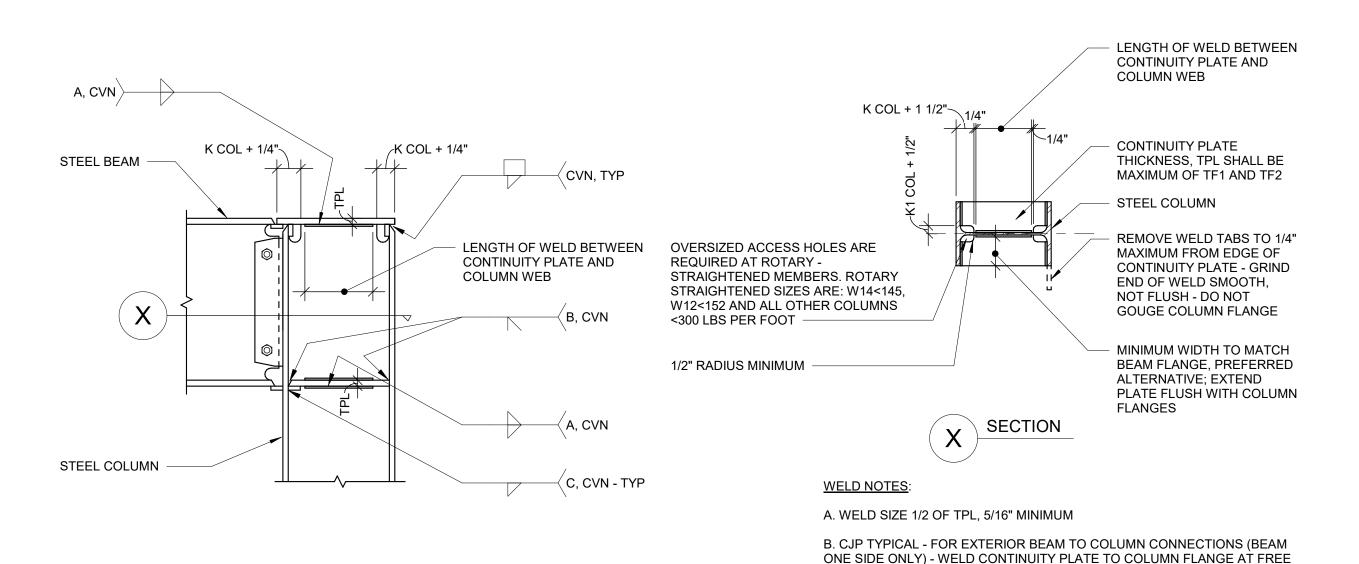
REDUCED BEAM SECTION (RBS)

1. ALL MOMENT FRAME CONNECTION WELD METAL SHALL MEET CVN REQUIREMENTS AS DEFINED IN

2. FABRICATION DETAILS INCLUDING METHODS AND SMOOTHNESS REQUIREMENTS PER SPECIFICATIONS 3. "d" DENOTES BEAM DEPTH AND "Bf" DENOTES BEAM FLANGE WIDTH PER AISC MANUAL

4. "QC/QA" DENOTES QUALITY CONTROL / QUALITY ASSURANCE - QC/QA REQUIREMENTS FOR SEISMIC MOMENT FRAME CONNECTIONS PER GENERAL STRUCTURAL NOTES

5. "CVN" DENOTES CHARPY V-NOTCH TESTING REQUIRED PER SPECIFICATIONS



234 TYPICAL SHEAR PLATE AND BEAM FLANGE WELDING AT REDUCED BEAM SECTION (RBS) MOMENT CONNECTION

S-503
17-036
NOT TO SCALE

235 CONTINUITY PLATE AT STEEL COLUMN

s-503 NOT TO SCALE

MASONRY WALL

WOOD LEDGER

TOP SIDE WELD AT

UPPER CONTINUITY

CONTINUITY PLATE

PLATE AND BOTTOM

STRAPS BETWEEN

SIDE WELD AT LOWER 3/16 4

COLD-FORMED

JOIST FRAMING

DOUBLE TRACK

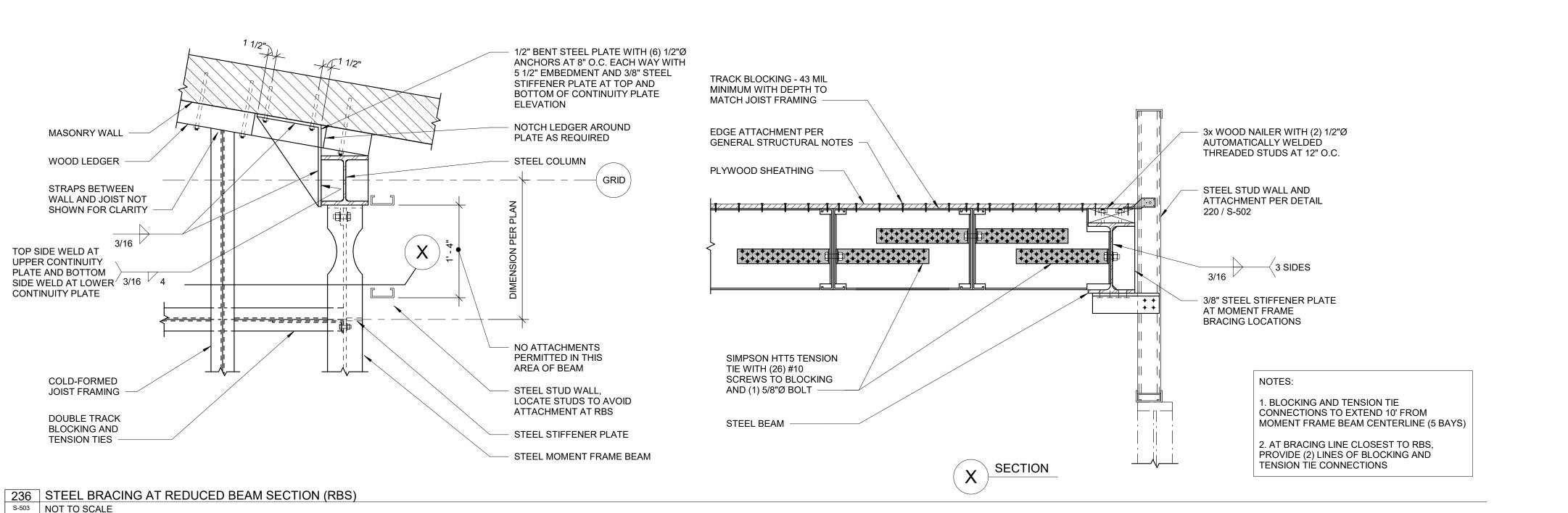
**BLOCKING AND** 

TENSION TIES

S-503 NOT TO SCALE

<del>}\_\_\_\_</del>

WALL AND JOIST NOT SHOWN FOR CLARITY



SIDE MAY BE 5/16" FILLET WELD AT TOP AND BOTTOM FACE OF PLATE

C. AISC MINIMUM CONTINUOUS FILLET WELD UNDER BACKING

STEEL SHEAR PLATE PER

DETAIL 234 / S-503-

STEEL BEAM

STEEL COLUMN

S-503 NOT TO SCALE

REDUCED BEAM

WELD NOTES:

SHEAR PLATE

229 SECTION (RBS) MOMENT FRAME CONNECTION

A. 5/16" FILLET WELD AT 3/8" SHEAR

PLATE - 3/8" FILLET WELD AT 5/8"

FRAMING DETAILS 225 - 236

PROJECT NUMBER

17-036

DRAWING NUMBER

225 STEEL BEAM AT STEEL COLUMN

s-503 NOT TO SCALE
17-036 NO WELDED STUDS AND NO OTHER WELDED OR FASTENED ATTACHMENTS IN THIS REGION STEEL CONTINUITY PLATE STEEL SHEAR PLATE PER