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Building #17
Campus Expansion Child
Day-care Center

777 Old Saw Mill River Road
Mount Pleasant, NY 10591

Project No. B17-DAYCARE

Architect

Gensler

1700 Broadway, Suite 400
New York, NY 10019
(212) 492-1400 Phone
(212) 492-1472 Fax

Structural Engineer

Thornton Tomasetti
120 Broadway, 15th Floor
New York, NY 10271
(917) 661-7800 Phone
(917) 661-7801 Fax

MEP / IT / Security Engineer

Cosentini Associates
498 Seventh Avenue
New York, NY 10018
(212) 615-3600 Phone
(212) 615-3700 Fax

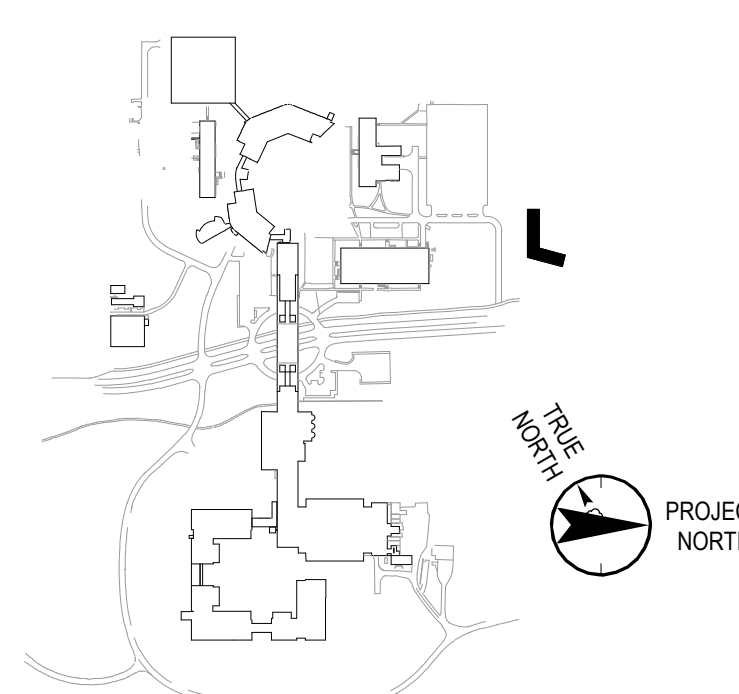
Civil Engineer

JMC
120 Bedford Road
Armonk, NY 10504
(914) 273-5225 Phone
(914) 273-2102 Fax

Landscape Architect

Langan
21 Penn Plaza, 360 West 31st Street, 8th Floor
New York, NY 10001
(212) 479-5400 Phone
(212) 479-5444 Fax

Key Plan



No. Date Description

05.20.2022	ISSUED FOR PERMIT
06.20.2022	100% CONSTRUCTION DOCUMENTS
07.01.2022	100% CONSTRUCTION DOCUMENT - 1

Plot Date: 03/03/09

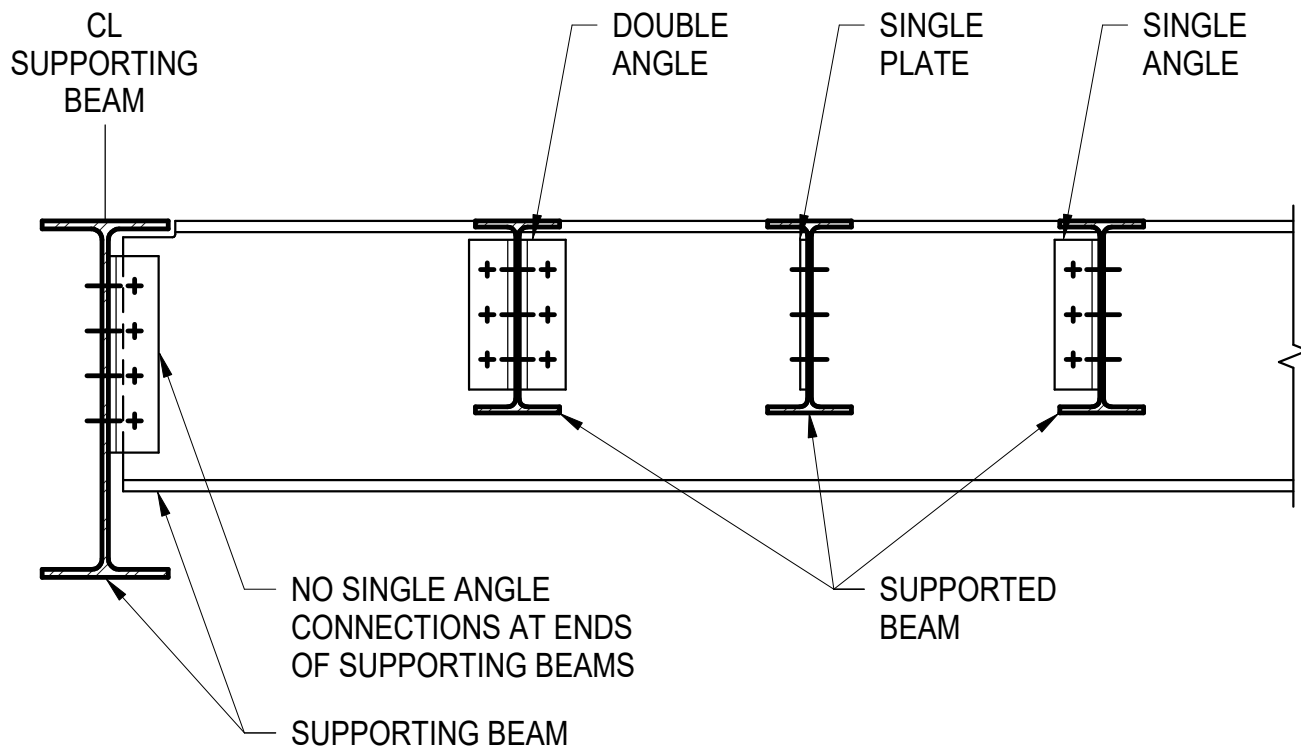
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Professional Seal and Signature

Vendor Name: GENSLER
Vendor Project No.: 006.3608.000
Discipline: Drawn By: Author
TYPICAL BEAM DETAILS

Scale: As indicated Floor:

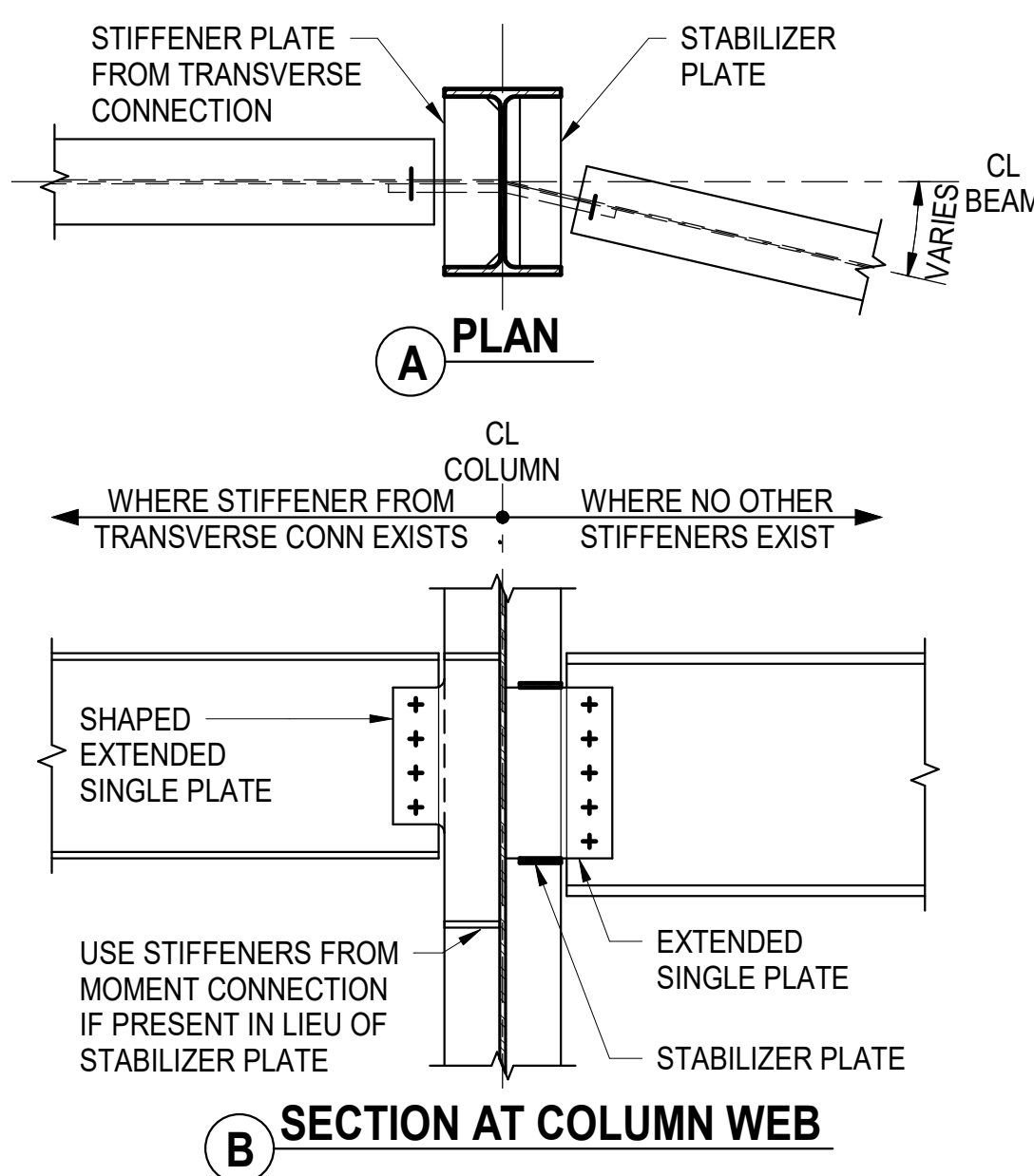
S-501



NOTES:

- SUPPORTED BEAMS PRIMARILY SUPPORT DISTRIBUTED LOADS FROM SLABS OR DECKING
- SUPPORTING BEAMS SUPPORT SIGNIFICANT POINT LOADS FROM ONE OR MORE SUPPORTED BEAMS OR FROM COLUMNS BEING TRANSFERRED. SUPPORTING BEAMS MAY BE SUPPORTED BY COLUMNS OR BY OTHER SUPPORTING BEAMS
- FOR SHEAR CONNECTIONS AT SUPPORTED BEAM ENDS, DOUBLE ANGLE, SINGLE PLATE OR SINGLE ANGLE MAY BE USED UNLESS OTHERWISE NOTED
- SEE TYPICAL STEEL BEAM SHEAR CONNECTIONS FOR INFORMATION NOT SHOWN

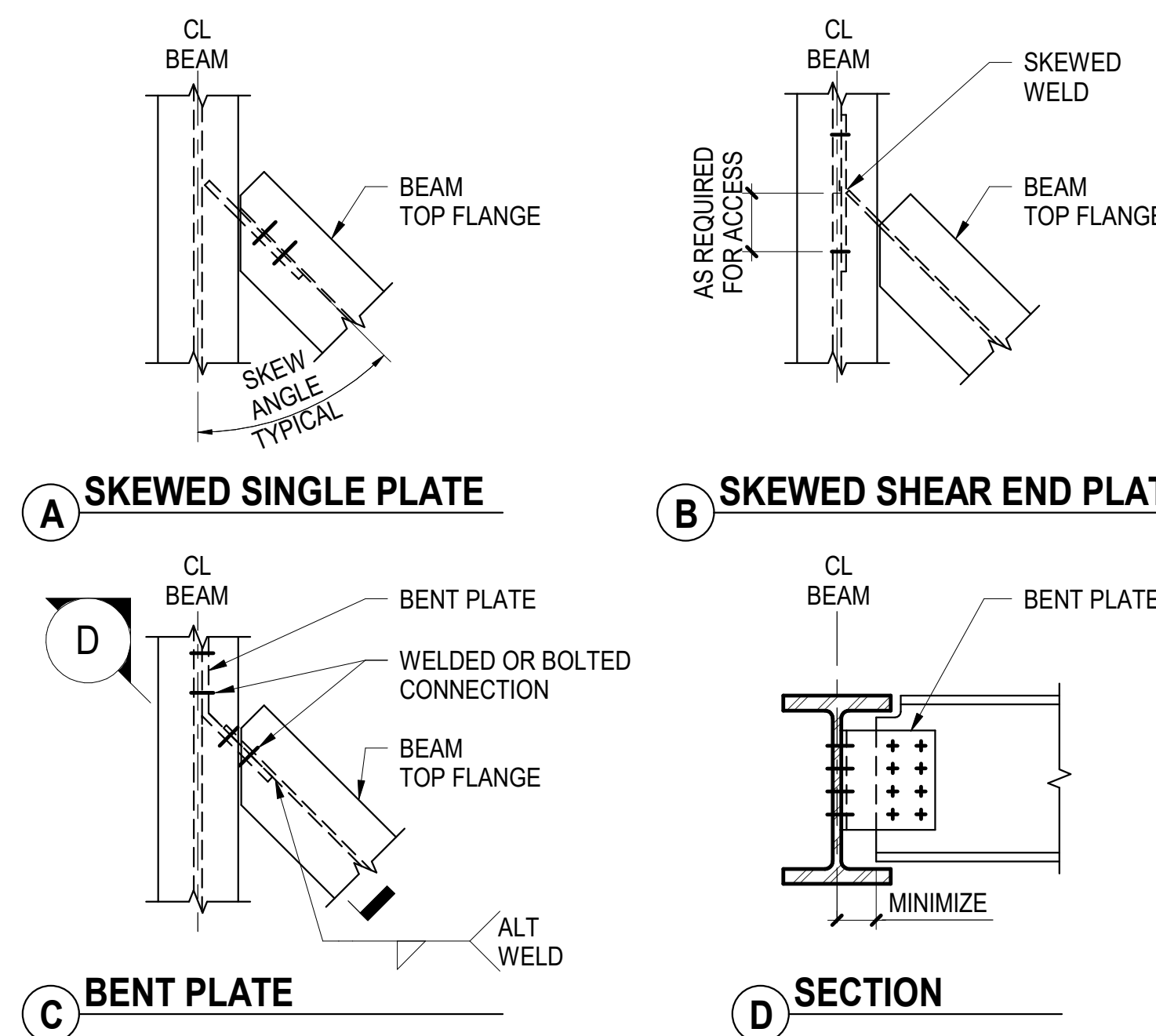
1 TYPICAL BEAM TO BEAM SHEAR CONNECTION (3 TYPES) NOT TO SCALE



NOTES:

- SEE TYPICAL STEEL BEAM SHEAR CONNECTIONS FOR INFORMATION NOT SHOWN

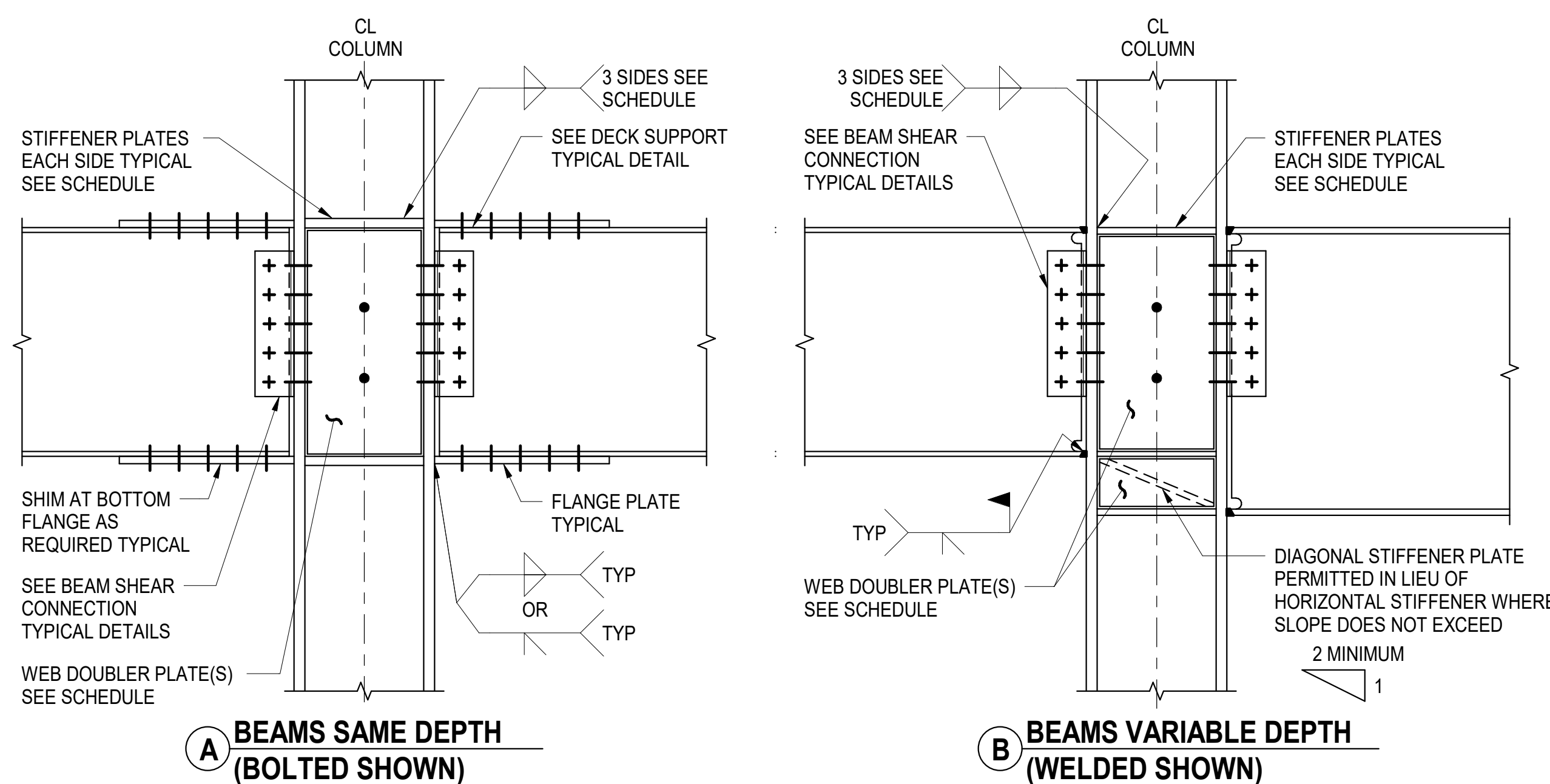
2 TYPICAL EXTENDED SINGLE PLATE BEAM TO COLUMN WEB SHEAR CONNECTION NOT TO SCALE



NOTES:

- SEE TYPICAL STEEL BEAM SHEAR CONNECTIONS FOR ADDITIONAL INFORMATION FOR DETAIL A
- DETAILS B AND C ARE CONCEPTUAL (NOT COMPLETELY DESIGNED) AND ARE INTENDED FOR FRAMING CONDITIONS OUTSIDE THE LIMITS OF COMPLETELY DESIGNED TYPICAL STEEL BEAM SHEAR CONNECTIONS IN THESE DRAWINGS

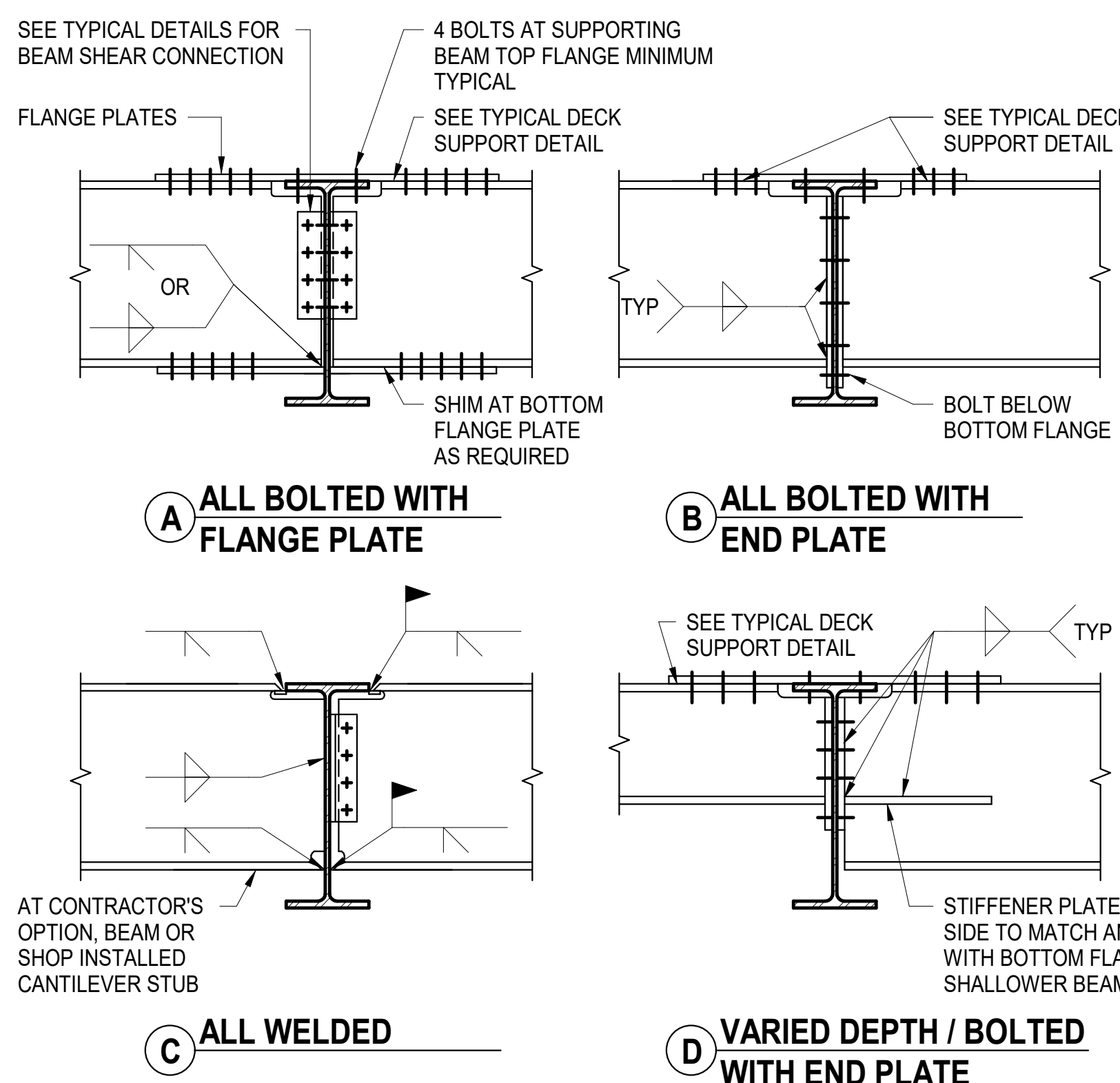
3 TYPICAL SKEWED BEAM SHEAR CONNECTION NOT TO SCALE



NOTES:

- ALL BOLTED MOMENT AND AXIAL CONNECTIONS AT A MINIMUM SHALL HAVE PRETENSIONED BOLTS IN STANDARD HOLES AT FLANGES AND WEBS UNLESS OTHERWISE NOTED
- BOLTED MOMENT CONNECTIONS AT CANTILEVERS AND BACKSPANS SHALL USE SLIP CRITICAL BOLTS
- AT CONTRACTOR'S OPTION, WEB DOUBLER PLATES CAN TERMINATE OUTSIDE STIFFENER PLATE. CONTRACTOR'S ENGINEER MUST FULLY DESIGN THE CONNECTION

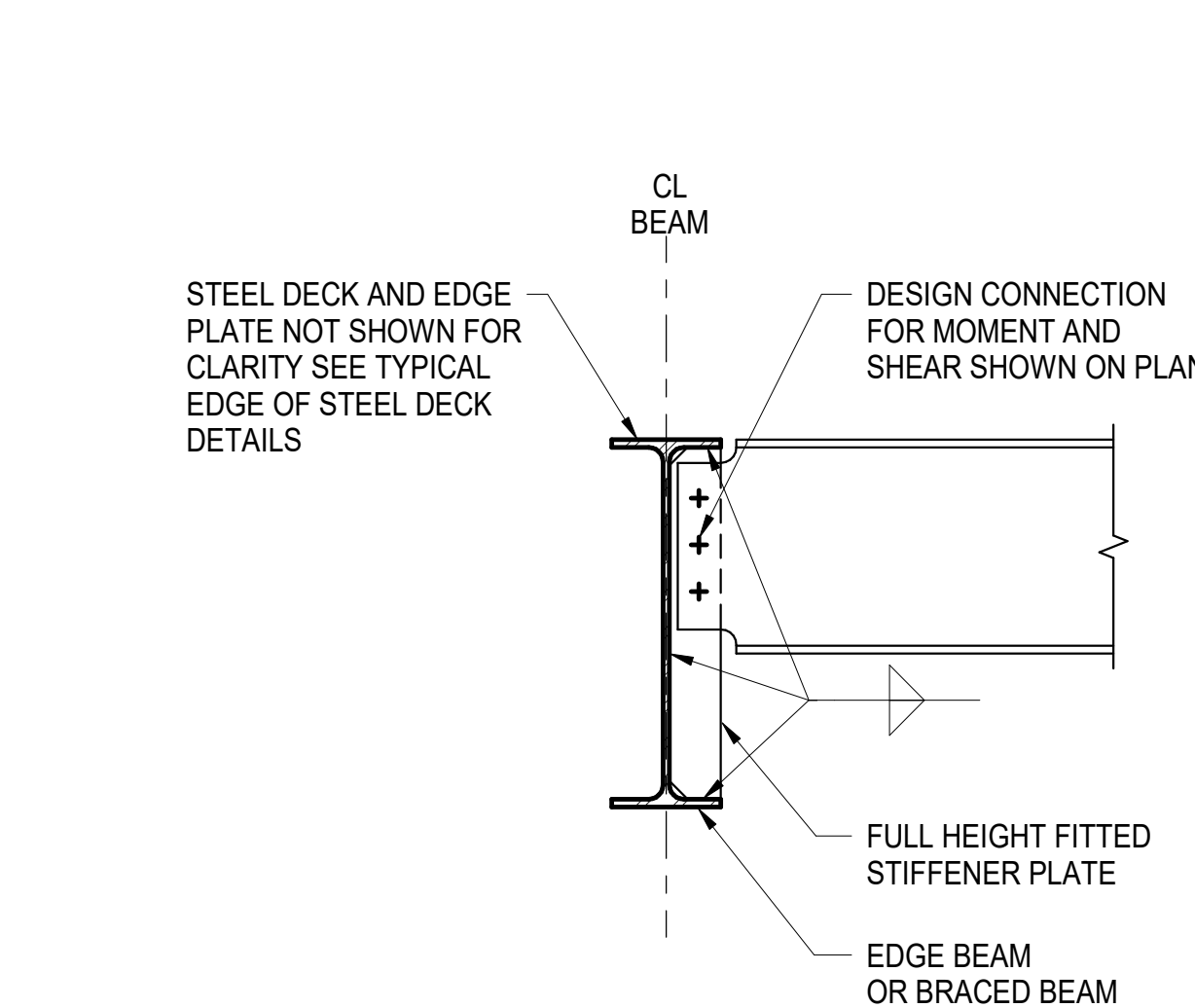
4 TYPICAL BEAM TO COLUMN FLANGE MOMENT CONNECTION - BOLTED/WELDED NOT TO SCALE



NOTES:

- ALL BOLTED MOMENT AND AXIAL CONNECTIONS AT A MINIMUM SHALL HAVE PRETENSIONED BOLTS IN STANDARD HOLES AT FLANGES AND WEBS UNLESS OTHERWISE NOTED
- BOLTED MOMENT CONNECTIONS AT CANTILEVERS AND BACKSPANS SHALL USE SLIP CRITICAL BOLTS

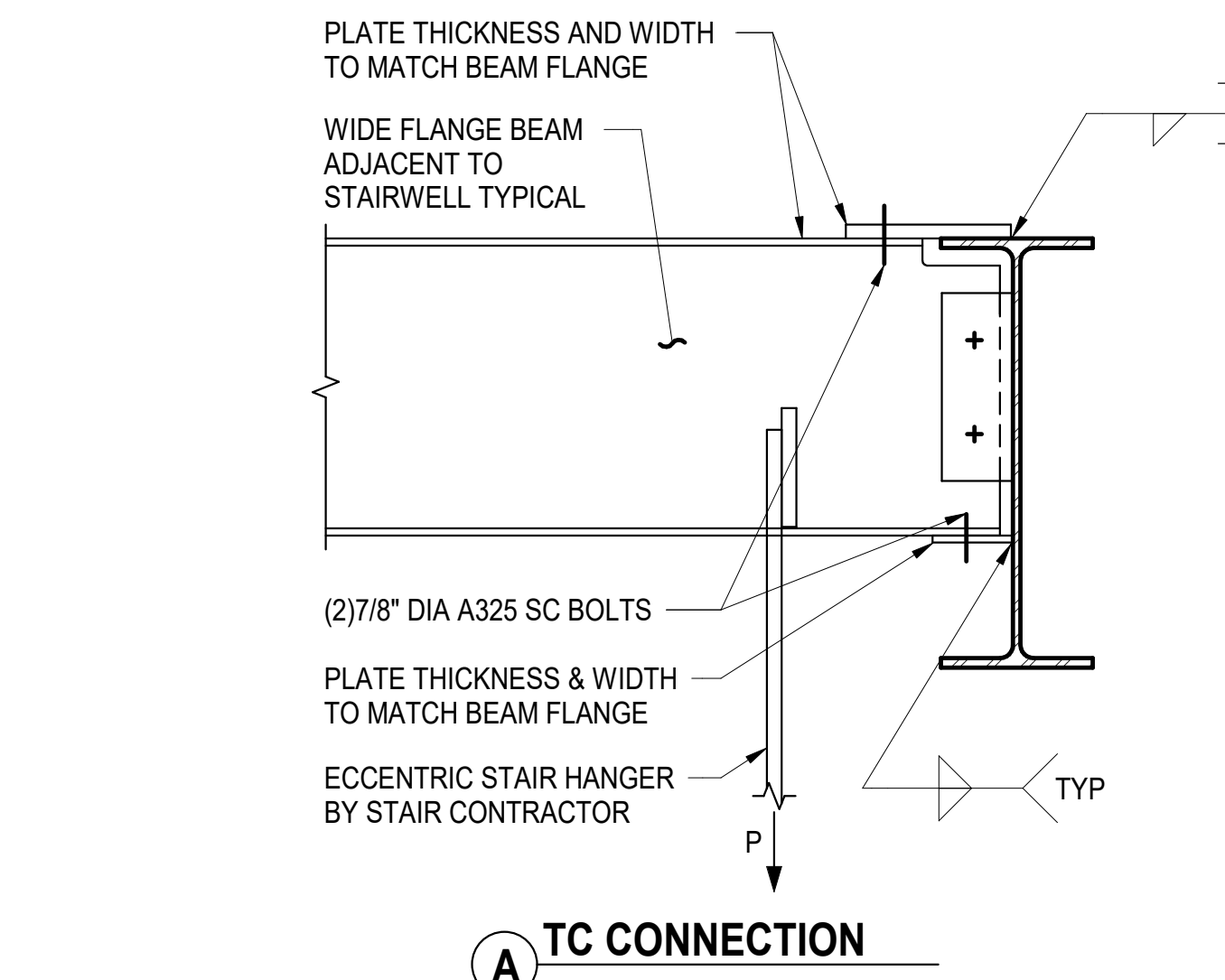
6 TYPICAL BEAM TO BEAM MOMENT CONNECTION NOT TO SCALE



NOTES:

- SEE PLAN FOR LOCATIONS

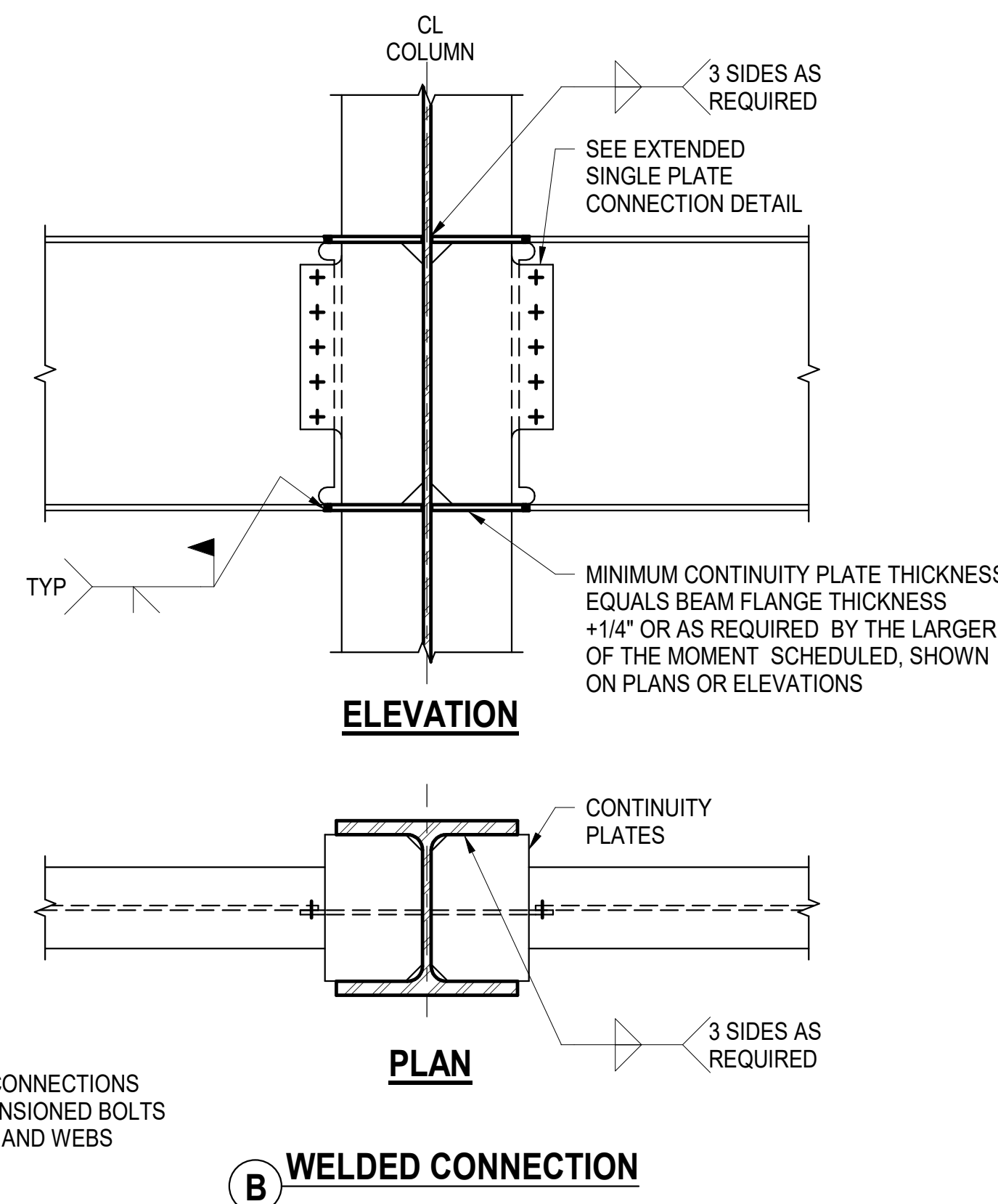
7 TYPICAL FULL HEIGHT FITTED STIFFENER AT EDGE BEAM OR BRACED BEAM CONNECTION SCALE: NOT TO SCALE



NOTES:

- SEE TYPICAL PLAN DETAILS FOR STAIRWELLS
- SUBMIT SHOP DRAWINGS THAT SHOW THE MAGNITUDES, DIRECTIONS, LOCATIONS, AND CONNECTION CONDITIONS OF ALL LOADS IMPOSED ON THE SUPPORTING STRUCTURE BY STAIR CONTRACTOR

8 TYPICAL TORSIONAL CONNECTION AT STAIRWELL / TC AND TCS LOCATIONS SCALE: NOT TO SCALE



NOTES:

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- BOLTED MOMENT CONNECTIONS AT CANTILEVERS AND BACKSPANS SHALL USE SLIP CRITICAL BOLTS