

777 Old Saw Mill River Road  
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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

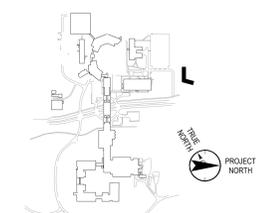
Civil Engineer

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

Plot Date: 03/03/09

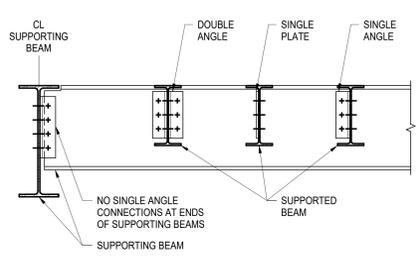
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Professional Seal and Signature

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

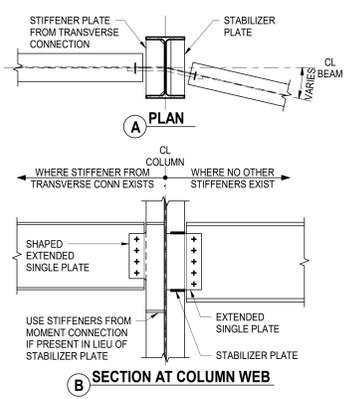
Scale: As indicated Floor:

**S-501**



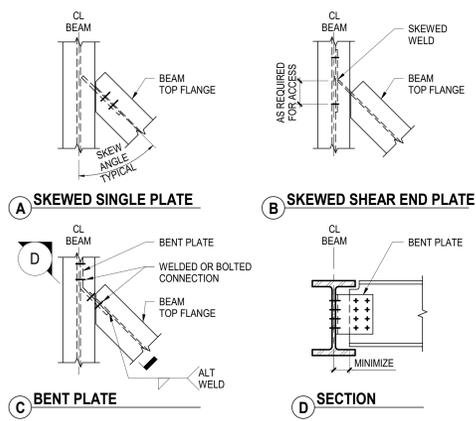
- NOTES:
- SUPPORTED BEAMS PRIMARILY SUPPORT DISTRIBUTED LOADS FROM SLABS OR DECKING
  - SUPPORTING BEAMS SUPPORT SIGNIFICANT POINT LOADS FROM ONE OR MORE SUPPORTED BEAMS OR FROM COLUMNS BEING TRANSFERRED. SUPPORTING BEAMS MAY BE SUPPORTED BY COLUMNS OR BY OTHER SUPPORTING BEAMS
  - FOR SHEAR CONNECTIONS 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



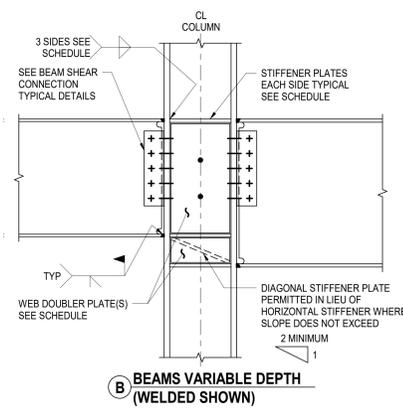
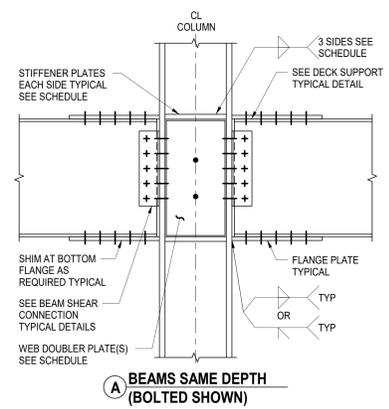
- NOTES:
- SEE TYPICAL STEEL BEAM SHEAR CONNECTIONS FOR INFORMATION NOT SHOWN

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



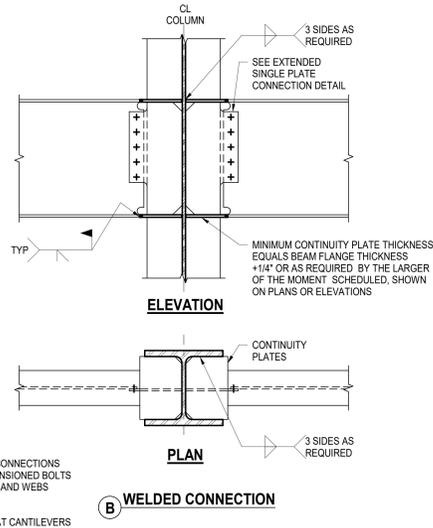
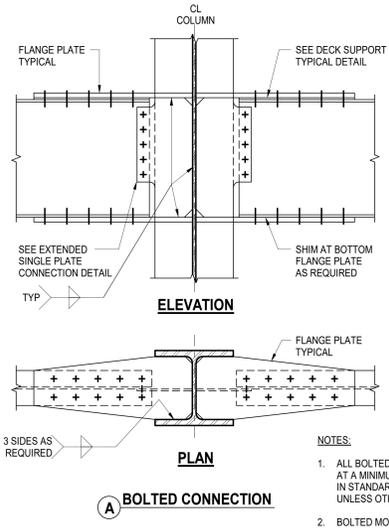
- NOTES:
- SEE TYPICAL STEEL BEAM SHEAR CONNECTIONS FOR ADDITIONAL INFORMATION FOR DETAIL A
  - DETAILS B AND C ARE CONCEPTUAL (NOT COMPLETELY DESIGNED) AND ARE INTENDED FOR FRAMING CONDITIONS OUTSIDE THE LIMITS OF COMPLETELY DESIGNED TYPICAL STEEL BEAM SHEAR CONNECTIONS IN THESE DRAWINGS

**3 TYPICAL SKEWED BEAM SHEAR CONNECTION**  
NOT TO SCALE



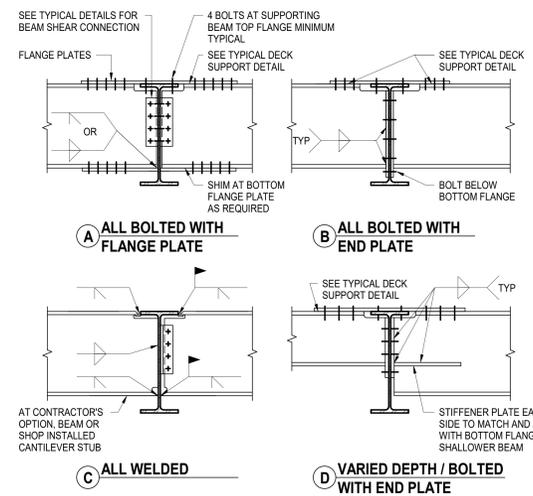
- NOTES:
- ALL BOLTED MOMENT AND AXIAL CONNECTIONS AT A MINIMUM SHALL HAVE PRETENSIONED BOLTS IN STANDARD HOLES AT FLANGES AND WEBS UNLESS OTHERWISE NOTED
  - BOLTED MOMENT CONNECTIONS AT CANTILEVERS AND BACKSPANS SHALL USE SLIP CRITICAL BOLTS
  - AT CONTRACTOR'S OPTION, WEB DOUBLER PLATES CAN TERMINATE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

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



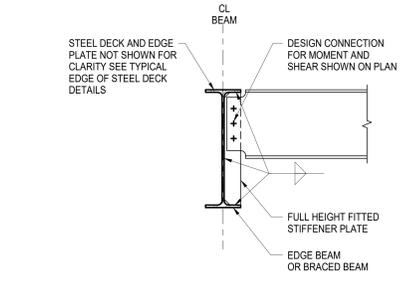
- NOTES:
- ALL BOLTED MOMENT AND AXIAL CONNECTIONS AT A MINIMUM SHALL HAVE PRETENSIONED BOLTS IN STANDARD HOLES AT FLANGES AND WEBS UNLESS OTHERWISE NOTED
  - BOLTED MOMENT CONNECTIONS AT CANTILEVERS AND BACKSPANS SHALL USE SLIP CRITICAL BOLTS

**5 TYPICAL BEAM TO COLUMN WEB MOMENT CONNECTION - BOLTED / WELDED**  
NOT TO SCALE



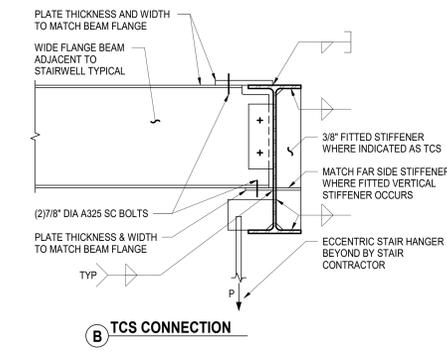
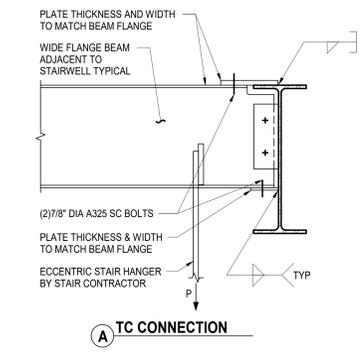
- NOTES:
- ALL BOLTED MOMENT AND AXIAL CONNECTIONS AT A MINIMUM SHALL HAVE PRETENSIONED BOLTS IN STANDARD HOLES AT FLANGES AND WEBS UNLESS OTHERWISE NOTED
  - BOLTED MOMENT CONNECTIONS AT CANTILEVERS AND BACKSPANS SHALL USE SLIP CRITICAL BOLTS

**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