

777 Old Saw Mill River Road  
Tarrytown, NY 10591-6707  
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www.regeneron.com

**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

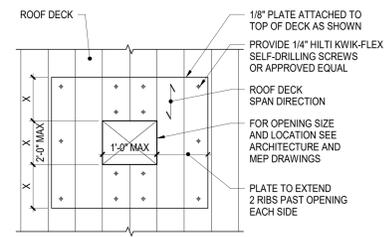
Cosentini Associates  
498 Seventh Avenue  
New York, NY 10018  
(212) 615-3600 Phone  
(212) 615-3700 Fax

Civil Engineer

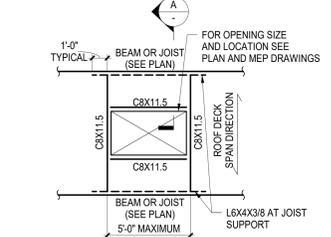
JMC  
120 Bedford Road  
Armonk, NY 10504  
(914) 273-5225 Phone  
(914) 273-2102 Fax

Landscape Architect

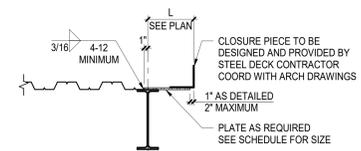
Langan  
21 Penn Plaza, 360 West 31st Street, 8th Floor  
New York, NY 10001  
(212) 479-5400 Phone  
(212) 479-5444 Fax



**D TYPE D**

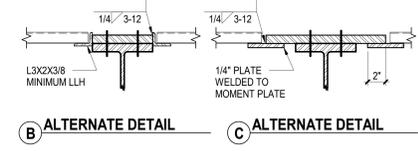


**F TYPE F**



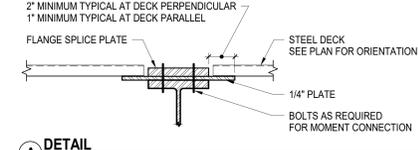
L	THICKNESS OF PLATE OR CLOSURE
≤ 1'-4"	1/4"
≤ 1'-0"	10 GAGE
≤ 0'-10"	12 GAGE

**NOTES:**  
1. AT CONTRACTOR'S OPTION SINGLE BENT PLATE (OR EQUIV ANGLE) MAY BE USED PROVIDED IT IS FIELD INSTALLED AND ACCOMMODATES SLAB EDGE TOLERANCES



**B ALTERNATE DETAIL**

**C ALTERNATE DETAIL**



**A DETAIL**

- NOTES:**
- FOR EDGE OVERHANG GREATER THAN 2" SEE TYPICAL ROOF DECK AT EDGE
  - NO REINFORCEMENT REQUIRED IF OPENING IS 6"x6" OR SMALLER PROVIDED ONLY ONE RIB IS INTERRUPTED
  - CLUSTERED OPENINGS WITH CLEAR SPACE LESS THAN 1'-0" SHALL BE TREATED AS ONE LARGE OPENING AND PROVIDE THE REINFORCEMENT OR CHANNEL FRAMING AS PER DETAIL ABOVE
  - ATTACH DECK TO CHANNELS TYPICAL
  - TYPE D SHALL NOT BE USED TO SUPPORT MECHANICAL EQUIPMENT
  - TYPE F FRAMING SHALL BE COORDINATED WITH EQUIPMENT SUPPORT FRAMING

**1 TYPICAL ROOF DECK AT OPENING**

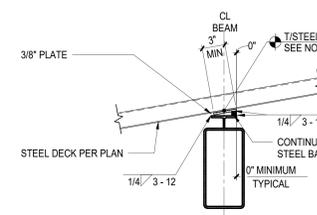
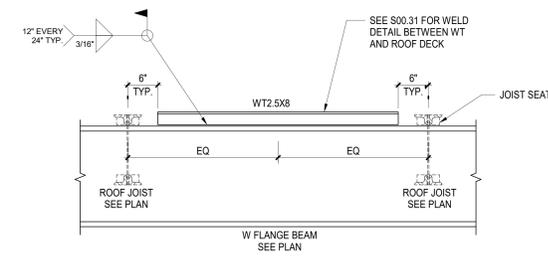
SCALE: NOT TO SCALE

**2 TYPICAL ROOF DECK AT EDGE**

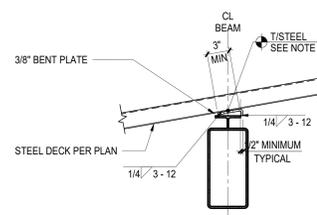
SCALE: NOT TO SCALE

**3 TYPICAL DECK SUPPORT AT MOMENT CONNECTION**

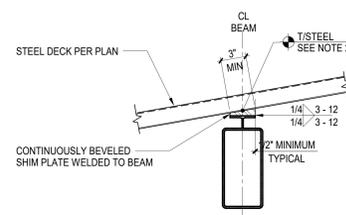
SCALE: NOT TO SCALE



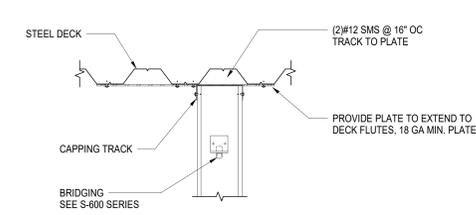
**A CONSTANT SLOPE**



**B CONSTANT SLOPE - OPTION 1**



**C CONSTANT SLOPE - OPTION 2**



**NOTES:**  
1. TOP OF STEEL ELEVATIONS INDICATED ON PLAN OR ELEVATION IS AT BOTTOM OF DECK AND CENTERLINE OF BEAM CONTRACTOR TO COORDINATE DETAILED TOP OF STEEL ELEVATION WITH SELECTED METHOD OF DECK SUPPORT

**5 TYPICAL SUPPORT OF STEEL DECK INCLINED OVER BEAM**

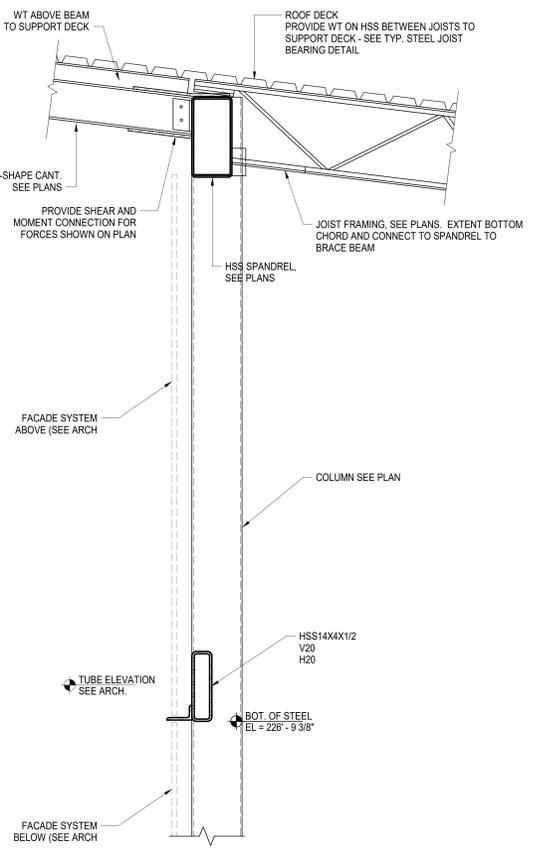
SCALE: NOT TO SCALE

**6 TYPICAL DETAIL AT DECK CONNECTION TO BEARING WALL WHEN WALL IS BETWEEN FLUTES**

SCALE: 1 1/2" = 1'-0"

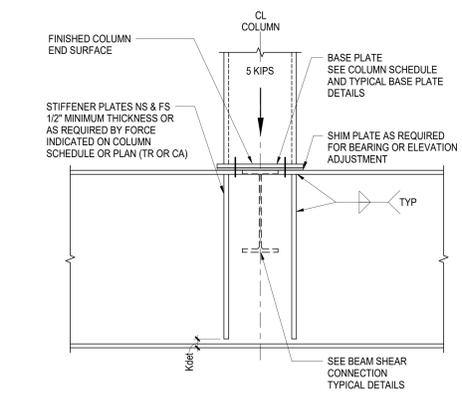
**4 TYPICAL CONNECTION OF WT WITH WIDE FLANGE BEAM WITH JOISTS PERPENDICULAR**

SCALE: 1" = 1'-0"

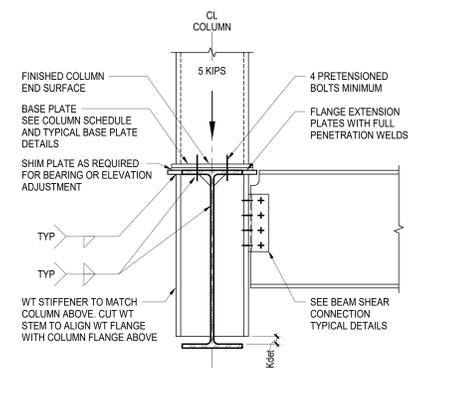


**7 SECTION THROUGH GRID E.1 AT ROOF OVERHANG**

SCALE: 1" = 1'-0"



**A COLUMN WEB PARALLEL TO BEAM WEB**

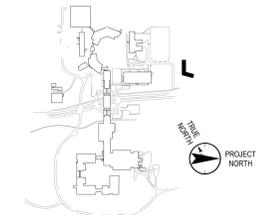


**B COLUMN WEB PERPENDICULAR TO BEAM WEB**

**8 TYPICAL COLUMN BEARING ON BEAM (COMPRESSION ONLY)**

SCALE: NOT TO SCALE

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: 10/14/20

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Professional Seal and Signature

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

Scale: As indicated Floor:

**S-502**