NOTES:

1. T/STRUCTURAL SLAB EL+15'-0" UON THUS:

X' X - INDICATES CHANGE IN T/STRUCTURAL SLAB ELEVATION

2. T/STEEL EL+14'-5 3/4" UON

LOADING DIAGRAMS

3. INDICATES DECK SPAN DIRECTION

4. FOR ADDITIONAL INFORMATION REFER TO THE FOLLOWING DRAWINGS: DRAWING LISTS, GENERAL NOTES, AND S0 SERIES DRAWINGS

TYPICAL FOUNDATION DETAILS S2 SERIES DRAWINGS LATERAL SYSTEM ELEVATIONS, CONNECTION S3 SERIES DRAWINGS FORCES, AND DETAILS

STEEL SUPERSTRUCTURE SCHEDULES AND S5 SERIES DRAWINGS

6. SYMBOLS:

INDICATES MOMENT CONNECTION

—— INDICATES FULL HEIGHT FITTED STIFFENER CONNECTION SEE DETAIL 7/S-501

7. NOTATIONS:

SW INDICATES SHEAR WALL (SEE FOUNDATION PLAN FOR TYP. AND S-300 FOR LOADING) SEE BRACED FRAME ELEVATIONS FOR BEAM INFORMATION AND CONNECTION FORCES CA/CB INDICATES COLUMN ABOVE/BELOW. COMPRESSION AXIAL FORCE IN

COLUMN INDICATED WHERE APPLICABLE. SEE DETAIL 8/S-502 INDICATES TORSIONAL CONNECTION FOR STAIR. SEE DETAIL 8/S-501

8. JOIST ENDS AT SPANDRELS SHALL BE DESIGNED TO BRACE TOP AND BOTTOM FLANGES OF SPANDRELS. SEE TYPICAL DETAILS ON 2/S03.07 FOR DETAILS

9. JOIST BRIDGING SHALL BE DESIGNED FOR TF1.5 TO BRACE TOP AND BOTTOM FLANGES OF WIDE FLANGE AT INDICATED LOCATIONS

10. INDICATES LGMF LOAD BEARING WALL (BY OTHERS) INDICATES LGMF SHEAR WALL (BY OTHERS)

11. PROVIDE CONNECTION AT JOISTS FOR V10, U.O.N ON PLAN. SEE PLAN FOR CONNECTION FORCES AT STEEL FRAMING

BOX BEAM HEADER SCHEDULE			
HEADER MARK	MAX. LENGTH	MINIMUM SIZE	
H1	7'-0"	8000S162-68	
H2	12'-0"	1400S162-118	
H3	19'-0"	1600S162-118	

STAIR (BY OTHERS) - GC TO -

ALONG 2-LINE

COORDINATE BETWEEN TRADES

STAIR LOADS ON LGMF WALLS

(C.3)

ROOF DECK SCHEDULE				
ROOF DECK MARK	ROOF DECK (MINIMUM)	UNFACTORED DIAPHRAGM SHEAR (PLF)	NOTES	
R1	1 1/2"-20 GA TYPE B		UNFACTORED SHEAR CAN BE CALCULATED BY DIVIDING FACTORED SHEAR BY 1.6	

STEEL BEAM LEGEND				
SIZE ————————————————————————————————————	NUMBER OF HEADED STUDS EQUALLY SPACED BETWEEN BEAMS			
(SEE SCHEDULE)	REQUIRED CAMBER (NONE IF OMITTED)			
MOMENT CONNECTION V42 A W18X40 (30) c=1" V50	DENOTES BRACED FRAME(SEE BRACED FRAME ELEVATIONS)			
M50 [-1 1/2"] P30 TF20 TF20	COLLECTOR			
X'-XX"	DEVIATION FROM TYPICAL T/STEEL			
V INDICATES FACTORED VERTICAL SHEAR IN KIPS M INDICATES FACTORED END MOMENT IN KIP-FEET H INDICATES FACTORED HORIZONTAL SHEAR FORCE IN KIPS T INDICATES TORSIONAL MOMENT IN KIP-FEET P INDICATES FACTORED MEMBER AXIAL FORCE IN KIPS TF INDICATES FACTORED AXIAL FORCE TRANSFERRED THROUGH				

- REFER TO NOTE 9 (TYP)

EQ

- FACE OF BUILDING

— REFER TO NOTE 9 (TYP)

- 8" DEEP BOX BEAM HEADERS TO SPAN

8000S162-68 OR EQUIV. GRIDS A.9 AND

TO 6x6 BOX COLUMNS (TYP) - MIN.

C.1 BTWN GL. 2&3 - ALIGN ROOF

JOISTS WITH BOX COLUMNS AS

- HSS8X8X3/8" (TYP.)

STEEL POST (UON)

V15 SW V15 V15

10'-0"

(4.6)

25'-0"

DOAS R-(WT: 3000 BS)

25'-0"

ABOVE

BOTTOM CHORD UPLIFT

BRIDGING AT FIRST PANEL

POINT, EACH END (TYP, ALL

EQ

- TOP AND BOTTOM CHORD

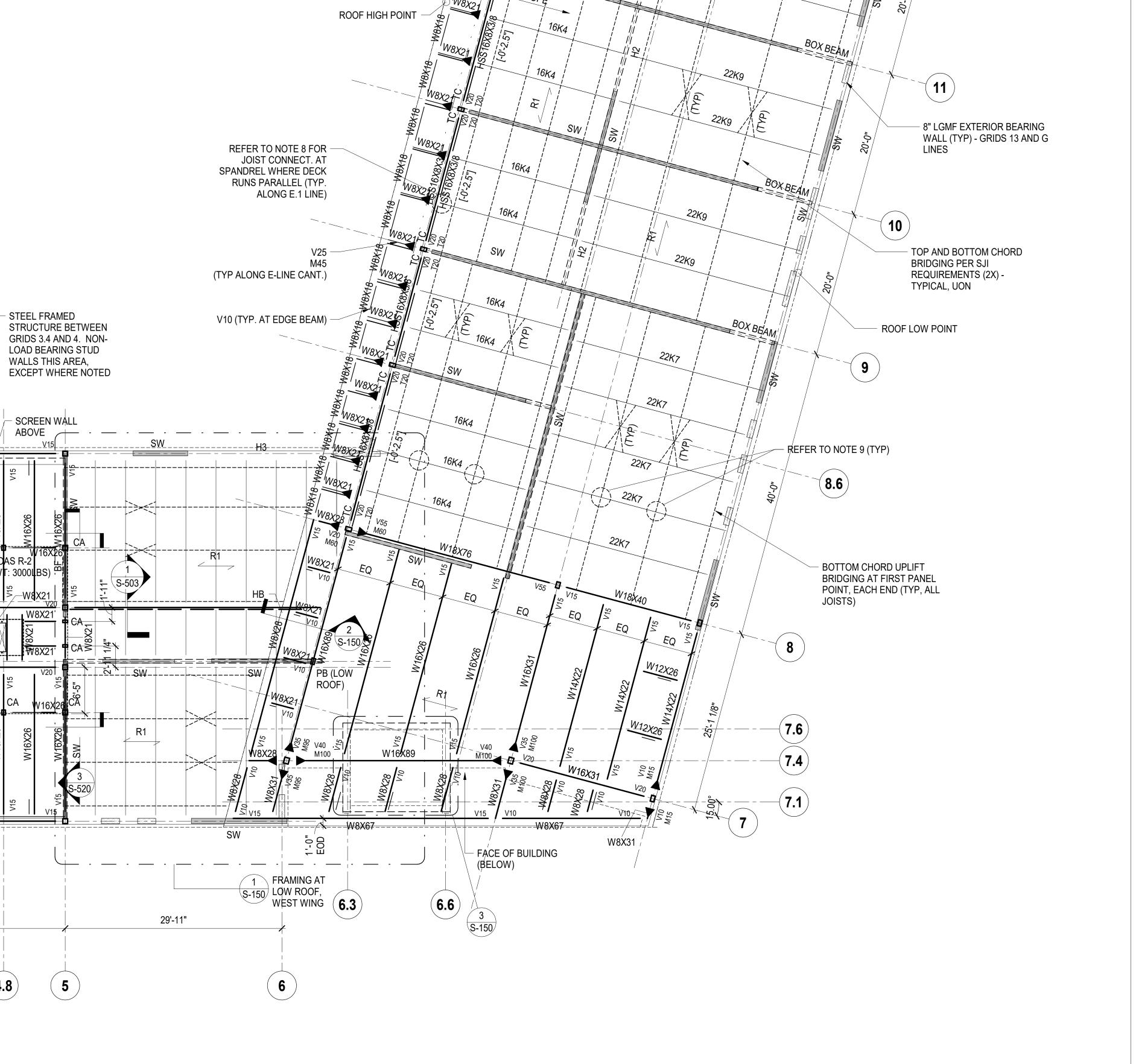
BRIDGING PER SJI

TYPICAL, UON

REQUIREMENTS (2X) -

EQ

EQ\



8" DEEP — CANT. BOX

F.O.BUILDING BELOW

EDGE OF CANOPY -

WT2.5x8 (TYP. AT W8 -

CANT. ALONG E.1 LINE)

LGMF SHEAR WALL TO -

BRACE COLUMN (TYP)

F.O.BUILDING BELOW

22K9



REGENERON

F: 914.847.7991 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

Gensler 1700 Broadway, Suite 400 New York, NY 10019

(212) 492-1400 Phone (212) 492-1472 Fax Structural Engineer

TOP AND BOTTOM CHORD

REQUIREMENTS (1X) - THIS

BRIDGING PER SJI

LOCATION ONLY

(13)

12)

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

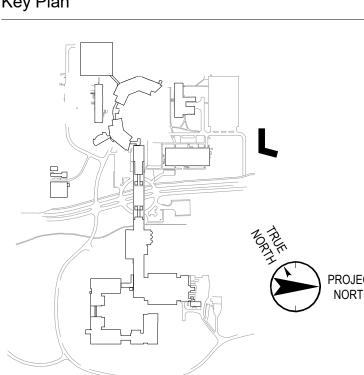
Civil Engineer

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: 10/29/21

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Professional Seal and Signature

Vendor Name: GENSLER Vendor Project No.: 006.3608.000 Drawn By: Author ROOF PLAN

Scale: As indicated Floor:

ROOF LEVEL FRAMING PLAN

7'-6"