

DESIGN DATA:

STRUCTURAL DESIGN HAS BEEN PERFORMED IN ACCORDANCE WITH THE FOLLOWING CODES AND STANDARDS:

- A) 2020 NEW YORK STATE BUILDING CODE.
- B) ACI 318-14, BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE
- C) AISC, MANUAL OF STEEL CONSTRUCTION, ALLOWABLE STRESS DESIGN, 14TH ED.

1. DEAD LOADS

SELF WEIGHT +
 ROOF: 10 PSF
 CEILING: 10 PSF
 FLOOR: 15 PSF

2. LIVE LOADS

FLOOR - 100 PSF

3. WIND LOADS

BASIC WIND SPEED: 115 MPH (3-second gust)
 RISK CATEGORY: III
 EXPOSURE CATEGORY: B

4. SNOW LOADS

GROUND SNOW LOAD: 30 PSF
 DESIGN FLAT ROOF SNOW LOAD: 30 PSF

5. SEISMIC

RISK CATEGORY: III
 SITE CLASS: D
 Sds: 0.264g
 Sd1: 0.093g
 SEISMIC DESIGN CATEGORY: B

GENERAL INFORMATION:

(UNLESS OTHERWISE NOTED OR SHOWN ON PLAN, THE FOLLOWING SHALL APPLY)

"LOADS" INDICATED ON THIS DRAWING ARE THOSE FOR THE DESIGN OF THE BUILDING SUPERSTRUCTURE

1. ALL DETAILS MARKED "TYPICAL" IN THE SET OF STRUCTURAL DRAWINGS SHALL BE APPLIED THROUGHOUT THE PROJECT AS REQUIRED TO SATISFY THE REQUIREMENTS OF THE CONSTRUCTION DOCUMENTS. THE CONTRACTOR SHALL COORDINATE REQUIREMENTS FOR QUANTITY AND LOCATION WHERE THE "TYPICAL" DETAILS APPLY.
2. FAILURE ON THE PART OF THE CONTRACTOR TO REVIEW THE DRAWINGS OF OTHER DISCIPLINES (i.e. ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING, ETC.) TOGETHER WITH THE FULL EXTENT OF THE PROJECT SPECIFICATIONS DOES NOT RELIEVE THEM OF THE RESPONSIBILITY TO FURNISH AND INSTALL ITEMS THAT ARE PART OF THEIR WORK AS INDICATED BY THE DRAWINGS AND SPECIFICATIONS OF OTHER TRADES. ALL STRUCTURAL TRADE CONTRACTORS AND SUB-CONTRACTORS ARE PROHIBITED FROM EXCLUDING STRUCTURAL WORK FROM THEIR CONTRACT NOT SHOWN IN THE STRUCTURAL DRAWINGS.
3. ALL CONTRACTORS AND SUBCONTRACTORS WORKING ON THIS PROJECT TO HAVE A MINIMUM OF 5 YEARS VERIFIABLE EXPERIENCE IN THEIR RESPECTIVE FIELDS.
4. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN FIELD PRIOR TO ORDERING AND PRE-FABRICATED ITEMS, INCLUDED BY NOT LIMITED TO; TRUSSES, SIPS, PLANK AND STEEL.
5. DRAWINGS MAY NOT BE SCALED. USE NOTES AND DIMENSIONS SPECIFIED ON DRAWINGS AND CONFIRM THESE DIMENSIONS WITHIN FIELD MEASUREMENTS DURING CONSTRUCTION.
6. DISCREPANCIES, OMISSIONS OR UNFORESEEN PROBLEMS DISCOVERED AT SITE SHALL BE REPORTED TO THE ENGINEER FOR IMMEDIATE CONSULTATION AND AMENDMENT.
7. TEMPORARY SHORING AND SHORING OF EXCAVATION IS BY OTHERS. THESE DRAWINGS SHOW FINAL CONDITIONS ONLY.

STRUCTURAL STEEL GENERAL NOTES

(UNLESS OTHERWISE NOTED OR SHOWN ON PLAN, THE FOLLOWING SHALL APPLY)

1. STRUCTURAL STEEL SHALL CONFORM TO THE A.I.S.C. STEEL CONSTRUCTION MANUAL 14TH EDITION.
2. UNLESS OTHERWISE NOTED, ALL MATERIALS SHALL BE IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS.

MEMBER	A.S.T.M.	MIN. STRENGTH
ROLLED SHAPES	A992	50 KSI
BASE PLATES	A572	42 KSI
PLATES, CHANNELS, & ANGLES	A36	36 KSI
CONNECTION BOLTS	A325	92 KSI
ANCHOR BOLTS	F1554	---
THREADED BOLTS	A36	36 KSI
NON-SHRINK GROUT	C1107	8,000 PSI
3. WELDING SHALL BE IN ACCORDANCE WITH A.W.S. D1.1 USING E70XX ELECTRODES. UNLESS OTHERWISE NOTED, PROVIDE CONTINUOUS MINIMUM SIZED FILLET WELDS PER A.I.S.C. REQUIREMENTS. FILLER MATERIAL SHALL HAVE A MINIMUM YIELD STRENGTH OF 58 K.S.I.
4. MOMENT CONNECTIONS DENOTED THUS (►) ON PLAN. SEE TYPICAL DETAILS.
5. HOLES IN STEEL BEAMS SHALL BE DRILLED OR PUNCHED. ALL SLOTTED HOLES SHALL BE PROVIDED WITH SMOOTH EDGES. BURNING OF HOLES AND TORCH CUTTING AT THE SITE IS NOT PERMITTED.
6. THE STRUCTURAL STEEL ERECTOR SHALL PROVIDE TEMPORARY GUYING AND BRACING AS REQUIRED. COLUMNS, ANCHOR BOLTS, BASE PLATES, ETC. HAVE BEEN DESIGNED FOR THE FINAL COMPLETE CONDITION, AND HAVE NOT BEEN INVESTIGATED FOR POTENTIAL LOADINGS ENCOUNTERED DURING STEEL ERECTION AND CONSTRUCTION. ANY INVESTIGATION OF THE COLUMNS, ANCHOR BOLTS, FRAMING, ETC. FOR ADEQUACY DURING THE STEEL ERECTION AND CONSTRUCTION PROCESS IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.



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Owner

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MEP Engineer

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Environmental Engineer

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Construction Manager

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NUFSD BOND PROJECT PHASE 5 - MILLER ES

- SED#50-01-08-03-0-002-020 (HIGHVIEW ES)
- SED#50-01-08-03-0-001-022 (Maintenance)
- SED#50-01-08-03-0-012-004 (OEC)
- SED#50-01-08-03-0-001-026 (MILLER ES)
- SED#50-01-08-03-0-004-022 (BARR MS)

- Highview Elementary School**
 24 Highview Ave
 Nanuet, NY 10954
- OEC Building**
 135 Convent Rd
 Nanuet, NY 10954
- Maintenance Building**
 103 Church St.
 Nanuet, NY 10954
- Miller Elementary School**
 50 Blauvelt Rd Unit 1
 Nanuet, NY 10954
- A MacArthur Barr Middle School**
 143 Church St
 Nanuet, NY 10954

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET

DATE: 06/21/2024

SCALE: AS NOTED

SHEET NAME:
STRUCTURAL NOTES

SHEET NUMBER:

ME-S001