

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.
2. FAILURE ON THE PART OF THE CONTRACTOR TO REVIEW THE DRAWINGS OF OTHER DISCIPLINES...
3. ALL CONTRACTORS AND SUBCONTRACTORS WORKING ON THIS PROJECT TO HAVE A MINIMUM OF 5 YEARS VERIFIABLE EXPERIENCE...
4. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN FIELD PRIOR TO ORDERING...
5. DRAWINGS MAY NOT BE SCALED. USE NOTES AND DIMENSIONS SPECIFIED...
6. DISCREPANCIES, OMISSIONS OR UNFORESEEN PROBLEMS DISCOVERED AT SITE...
7. TEMPORARY SHORING AND SHORING OF EXCAVATION IS BY OTHERS.

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.

Table with 3 columns: MEMBER, A.S.T.M., MIN. STRENGTH. Rows include ROLLED SHAPES, BASE PLATES, PLATES, CHANNELS, & ANGLES, CONNECTION BOLTS, ANCHOR BOLTS, THREADED BOLTS, NON-SHRINK GROUT.

- 3. WELDING SHALL BE IN ACCORDANCE WITH A.W.S. D.1.1 USING E70XX ELECTRODES.
4. MOMENT CONNECTIONS DENOTED THUS (▶) ON PLAN.
5. HOLES IN STEEL BEAMS SHALL BE DRILLED OR PUNCHED.
6. THE STRUCTURAL STEEL ERECTOR SHALL PROVIDE TEMPORARY GUYING AND BRACING AS REQUIRED.

CAST-IN-PLACE CONCRETE GENERAL NOTES:

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

- 1. CONCRETE WORK SHALL CONFORM WITH THE REQUIREMENTS OF THE AMERICAN CONCRETE INSTITUTE ACI 318 (LATEST EDITION).
2. UNLESS OTHERWISE INDICATED ON DRAWINGS, CAST-IN-PLACE CONCRETE SHALL DEVELOP A STRENGTH OF 3,500 PSI (FOOTINGS, FOUNDATION WALLS AND RETAINING WALLS); 3,500 PSI (SLAB ON GRADE) AT 28 DAYS.
3. TEMPERATURE REINFORCING SHALL BE SUFFICIENTLY EMBEDDED TO DEVELOP FULL STRENGTH IN CONCRETE WALLS AND SLABS.
4. PROVIDE ADEQUATE TIES FOR REINFORCEMENT IN SLABS, BEAMS, PIERS AND WALLS.
5. FOLLOW C.R.S.I. RULES FOR PLACING OF REINFORCING STEEL AND ACCESSORIES.
6. THIS CONTRACTOR SHALL COOPERATE WITH OTHER TRADES AND WHERE REQUIRED INSTALL ALL BUILT-IN WORK, SLEEVES, INSERTS, ETC., AS REQUIRED FOR A COMPLETE JOB.
7. STRUCTURAL MEMBERS SHALL BE POURED FOR THEIR FULL DEPTHS IN ONE OPERATION.
8. NO HORIZONTAL JOINTS SHALL BE PLACED IN WALLS EXCEPT AS SHOWN ON THE DRAWINGS.
9. STRUCTURAL SLABS ON GRADE SHALL BE OF A THICKNESS AND REINFORCED AS INDICATED ON DRAWINGS.
10. SLABS-ON-GRADE SHALL HAVE THICKENINGS, DEPRESSIONS, OPENINGS, ETC., AS REQUIRED OR AS SHOWN HEREIN OR ON ARCHITECTURAL DRAWINGS.
11. PROVIDE 100% CONTINUITY OVER SUPPORTS FOR CONTINUOUS SLABS AND BEAMS.
12. TOP ELEVATION OF SLABS SHALL VARY ACCORDING TO FINISH FLOOR MATERIAL.
13. SEE MECHANICAL AND ARCHITECTURAL DRAWINGS FOR SIZE AND LOCATION OF OPENINGS IN FLOORS AND WALLS NOT SHOWN ON STRUCTURAL DRAWINGS.
14. MAXIMUM STEP OF FOOTINGS SHALL BE ONE VERTICALLY TO TWO HORIZONTALLY WHERE ELEVATIONS CHANGE.
15. CONCRETE SHALL CONSIST OF THE FOLLOWING:
- READY MIX CONCRETE (ASTM C94)
- MAX WATER TO CEMENT RATIO = 0.50
- MAX AGGREGATE CONTENT SIZE OF 3/4 INCH (ASTM C33)
- MAX SLUMP OF 5" + OR - AN INCH (ASTM C143)
- PORTLAND CEMENT: ASTM-C 150, TYPE 1
- CLEAN POTABLE DRINKING WATER
- AIR CONTENT TO BE 6% +/- 1.5% (INTERIOR SLABS TO HAVE 0% AIR)
16. REINFORCING STEEL SHALL CONSIST OF THE FOLLOWING:
- REINFORCING BARS: ASTM -A 615 GRADE 60 KSI
- WELDED WIRE FABRIC: ASTM-A 185
17. PROVIDE CONTINUOUS REINFORCING WHEREVER POSSIBLE, PLACE ONLY AS SHOWN OR APPROVED, STAGGER SPLICES WHERE POSSIBLE.
18. ALL REINFORCING STEEL AND EMBEDMENT TO BE HELD SECURELY IN PLACE PRIOR TO PLACING CONCRETE.
19. DETAIL ACCORDING TO ACI STANDARD 315, MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCING CONCRETE STRUCTURES.
20. CONCRETE MEMBERS SHALL NOT BE LOADED UNTIL SATISFACTORY CONCRETE STRENGTH HAS BEEN OBTAINED.
21. NO ADMIXTURES MAY BE USED UNLESS PRIOR APPROVAL BY THE OWNER/ENGINEER.
22. COLD WEATHER REQUIREMENT SHALL BE USED DURING FREEZING OR NEAR FREEZING WEATHER - ACI 306.1-90.
23. DURING HOT WEATHER CONCRETE SHALL BE PLACED AND CURED IN ACCORDANCE WITH ACI 305.



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Owner

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Structural Engineer

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160 Partition Street
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MEP Engineer

Sage Engineering Associates, LLP
9 Columbia Circle
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Environmental Engineer

Quest Environmental Solutions
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EXP. DATE: 2/28/2026



NUFSD BOND PROJECT PHASE 5 - BARR MS

- SED#50-01-08-03-0-002-020 (HIGHVIEW ES)
SED#50-01-08-03-7-007-002 (Maintenance)
SED#50-01-08-03-7-012-004 (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 Unit1
Nanuet, NY 10954
A MacArthur Barr Middle School
143 Church St
Nanuet, NY 10954

KEY PLAN

REVISIONS

Table with 3 columns: No., Description, Date

ISSUED: BID SET

DATE: 06/21/2024

SCALE: AS NOTED

SHEET NAME:

STRUCTURAL NOTES

SHEET NUMBER:

BM-S001