

ADDENDUM #5

Rye City School District

Osborn Elementary School

10 Osborn Road

Rye, NY 10580

SED Number: #66-18-00-01-0-001-022 & #66-18-00-01-0-001-024

Midland Elementary School

312 Midland Avenue

Rye, NY 10580

SED Number: #66-18-00-01-0-003-024 & #66-18-00-01-0-003-026

Issued: 2021-08-31

PROJECT TEAM

Architects

Geddis Architects

71 Old Post Road, Suite 101

P.O. Box 1020

Southport, CT 06890

Phone: (203) 256-8700

Fielding International

91 Main Street, Suite 119

Warren, RI 02885

Phone: (401) 289-2789

Construction Manager

Savin Engineers, PC

3 Campus Drive

Pleasantville, NY 10570

Phone: (914) 769-3200

Structural Engineer

Odeh Engineers

1223 Mineral Spring Ave

North Providence, RI 02904

Phone: (401) 724-1771

Civil Engineer

Weston & Sampson, PE, LS, LA, PC

1 Winners Circle, Suite 130

Albany, NY 12205

Phone: (516) 463-4400

MEP Engineer

Barile Gallagher & Associates

Consulting Engineers

39 Marble Avenue, 2nd Floor

Pleasantville, NY 10570

Phone: (914) 328-6060

Acoustic Consultant

DP Design

12 Cold Spring Street

Providence, RI

401-861-3218

AV Consultant

CAVANAUGH TOCCI

327 F Boston Post Road

Sudbury, MA 01776

978-443-7871

Environmental

Quest Environmental Solutions & Technologies, Inc.

1376 Route 9

Wappingers Falls, NY 12590

845-298-6031

The work shall be carried out in accordance with the following supplemental instructions and in accordance with the Contract Documents.

DRAWINGS:

OSBORN:

(no additional information at this time)

MIDLAND:

(no additional information at this time)

SPECIFICATIONS:

VOLUME 1:

(no additional information at this time)

VOLUME 2:

Osborn ES Rain Screen Cladding Systems

Specification 07 46 46, paragraph 2.1.A. **revise as follows;**

- A. Basis of Design: Equitone **Tectiva and Equitone Natura** fiber cement panels with Knight Wall panel rail support system.

Specification Section 220490 Guarantee

- o Revised 1.1 Section as follows:

The Contractor shall remove, replace and/or repair at his own expense and at the convenience of the Owner, any defects in workmanship, materials, ratings, capacities and/or characteristics occurring in the work within three **(3) years** or within such longer period as may be provided in the Drawings and/or Section of the Specifications, which guarantee period shall commence with the final acceptance of the entire Contract in accordance with the guarantee provisions stated in the General Conditions, and the Contractor shall pay for all damage to the system resulting from defects in the work and all expenses necessary to remove, replace, and/or repair any other work which may be damaged in removing, replacing and/or repairing the work.

This Addendum No. 5 forms part of the Contract Documents and modifies the original bidding documents dated August 10, 2021.

Specification Section 230900 Guarantee

- Revised 1.1 Section as follows:

The Contractor shall remove, replace and/or repair at his own expense and at the convenience of the Owner, any defects in workmanship, materials, ratings, capacities and/or characteristics occurring in the work within three **(3) years** or within such longer period as may be provided in the Drawings and/or Section of the Specifications, which guarantee period shall commence with the final acceptance of the entire Contract in accordance with the guarantee provisions stated in the General Conditions, and the Contractor shall pay for all damage to the system resulting from defects in the work and all expenses necessary to remove, replace, and/or repair any other work which may be damaged in removing, replacing and/or repairing the work.

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VOLUME 3:

Midland ES Rain Screen Cladding Systems

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the work and all expenses necessary to remove, replace, and/or repair any other work which may be damaged in removing, replacing and/or repairing the work.

CLARIFICATIONS:

MIDLAND:

Additional reference regarding the framing of the existing building:

The proposed addition is going next to the 2005 addition. The original drawing package for this addition that shows the roof framing for the area adjacent to the proposed addition is provided in this addendum. These have been marked up to show where the proposed addition is in relation to the existing building to assist and clarify with estimating required fireproofing.

OSBORN:

Additional reference regarding the framing of the existing building:

The roof framing for the area adjacent to the proposed addition is open web steel bar joists at approx. 4 feet on center supported on existing masonry bearing walls. A drawing showing the overall roof framing plan is provided in this addendum. Additional notes have been added to clarify the structure and assist with estimating required fireproofing.

RFIs:

1. **Question:** Midland School, Interior Partitions (A3-602), call out for CRL's 487-AR Series. Window schedule has it for 45 Minute fire rated, however, this partition is not 45 min. F.R. Please clarify.
Answer: These windows are not required to be fire rated. An updated interior window schedule was provided in Addendum #4.
2. **Question:** As noted on Wall Section 3 of Drawing A3-311 (Midland) and Wall Section 3 of Drawing A3-313 (Osborn), applied fireproofing is required a 'MINIIMUM 1 HR SPRAY FIREPROOFING ON ALL EXISTING STRUCTURAL ELEMENTS WITHIN 10' OF NEW CMU FIREWALL". The contract drawings do not include any existing structural framing plans, therefore, one can not determine the structural steel sizes. Are there any structural framing plans forthcoming?
Answer: Information about the structure of the existing buildings adjacent to the proposed additions is provided in Addendum #5.
3. **Question:** Please confirm the HVAC guarantee/warranty/maintenance bond period is 1 year as per Osborn spec 230490 and Midland spec 230900.

This Addendum No. 5 forms part of the Contract Documents and modifies the original bidding documents dated August 10, 2021.

Answer: Guarantee shall be changed to (3) years. Refer to Bid addendum #5. The Contractor must provide the warranty as provided in the Contract Documents including the General Conditions of the Contract.

4. **Question:** The specs have noted a \$10,000,000.00 OCP Liability Insurance if the project contract is over a \$1,000,000.00. The mechanical bid is in excess of \$1,000,000.00 but our insurance carrier only goes up to \$5,000,000.00 excess. Are they referring to the Umbrella liability here?

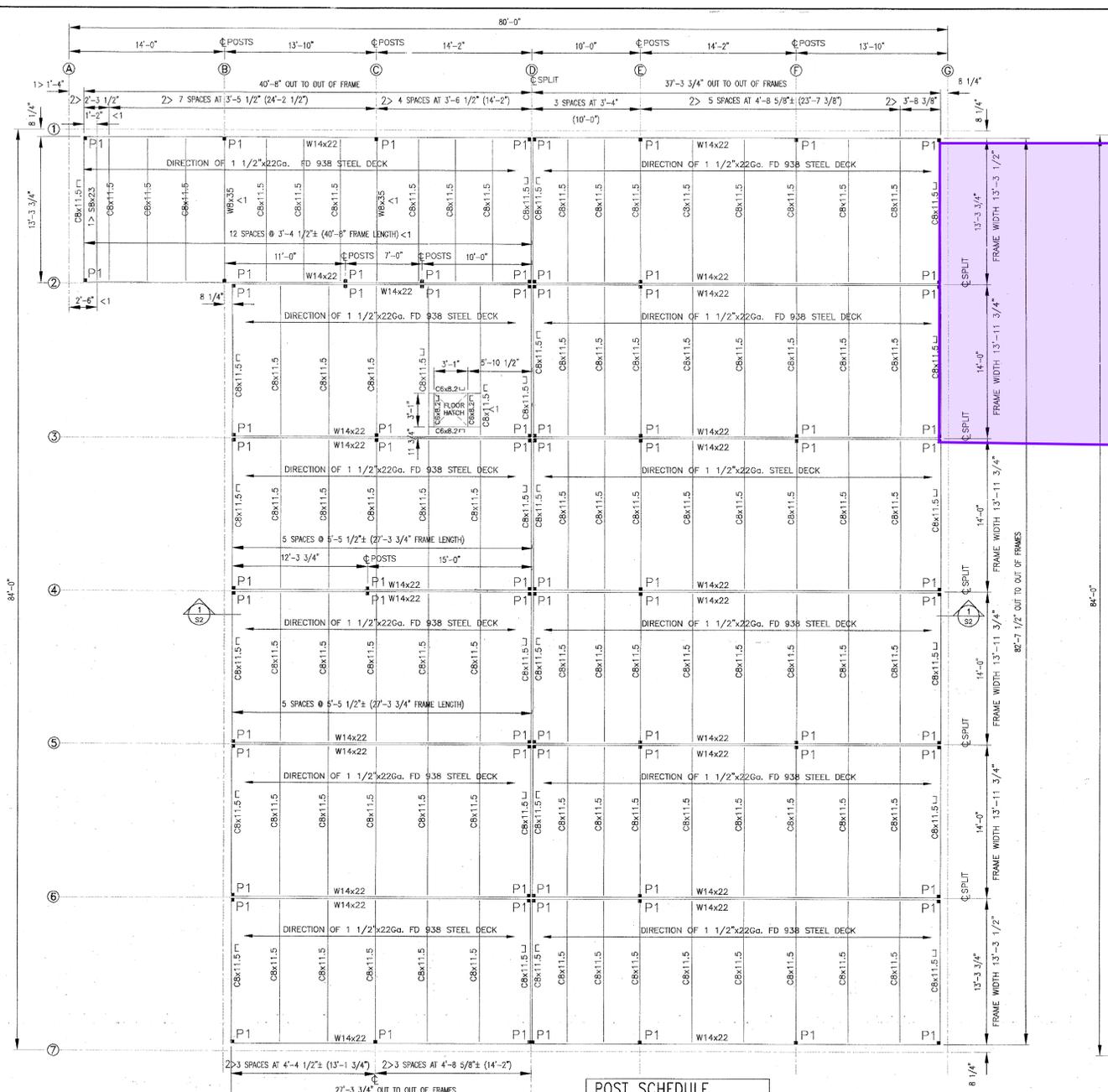
Answer: The question is about two separate coverages. Here is the breakdown of each:

Owners Contractors Protective (OCP) Insurance

- For projects less than or equal to \$1,000,000 and work on 1 story (10 feet) only;
- \$1 million per occurrence, \$2 million aggregate with the District/BOCES as the Named Insured.
- For projects greater than \$1,000,000 and work over 1 story (10 feet); \$2 million per occurrence, \$4 million aggregate with the District/BOCES as the Named Insured.

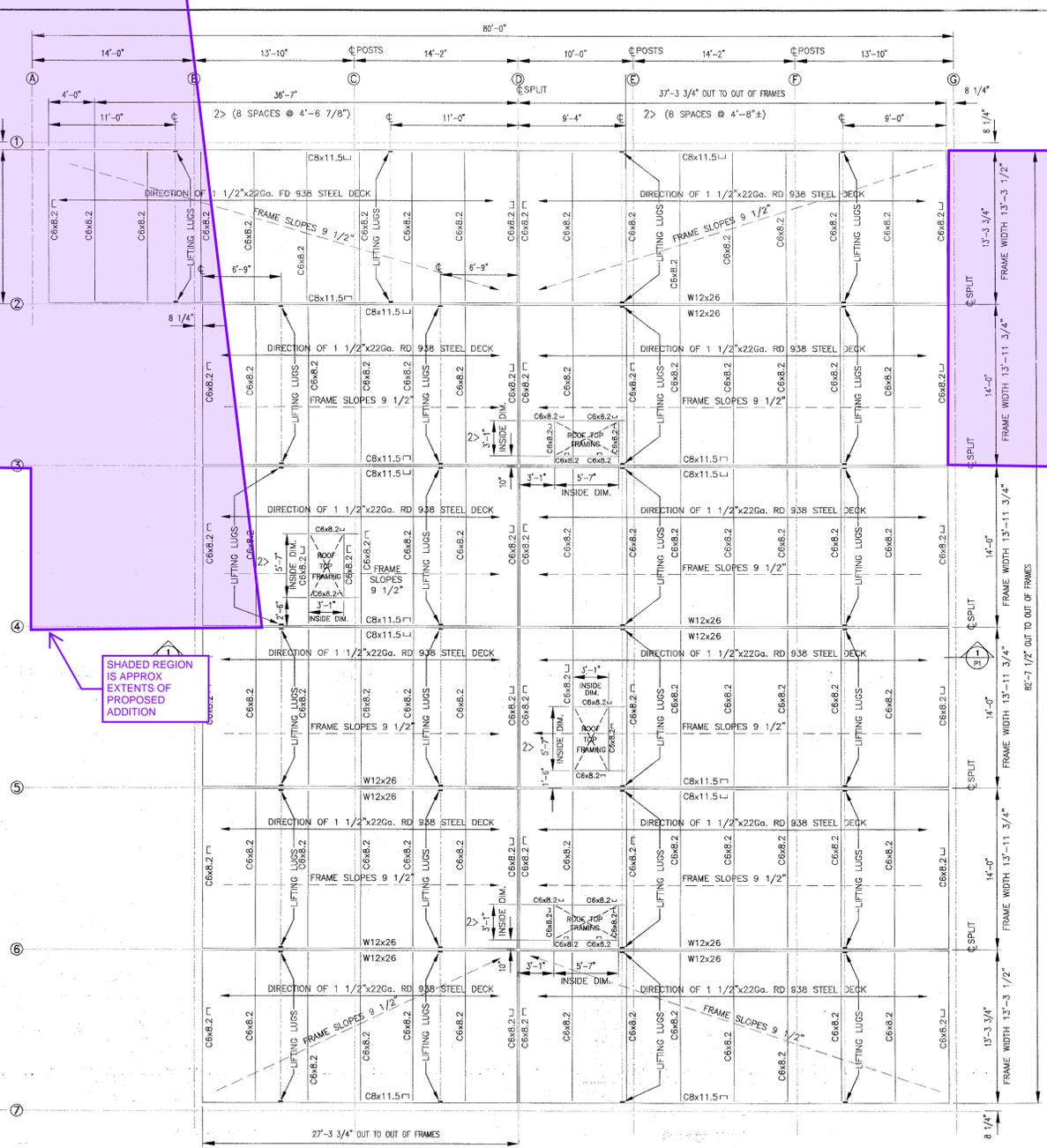
Umbrella/Excess Insurance

- \$5 million each Occurrence and Aggregate for general construction and no work at elevation (1 story – 10 feet) or project values less than or equal to \$1,000,000.
 - \$10 million each Occurrence and Aggregate for high risk construction, work at elevation (>1 story or 10 feet) or project values greater than \$1,000,000.
 - Umbrella/Excess coverage shall be on a follow-form basis.
-



POST SCHEDULE
 'P1' - 3"x3"x0.25" H.S.S.

STRUCTURAL FLOOR FRAMES & POST LAYOUT
 SCALE 3/16"=1'-0"



STRUCTURAL ROOF FRAMES
 SCALE 3/16"=1'-0"

SPACE RESERVED FOR NEW YORK STAMP OF APPROVAL

SHADED REGION IS APPROX. EXTENTS OF PROPOSED ADDITION

SHADED REGION IS APPROX. EXTENTS OF PROPOSED ADDITION

5	03.01.05	AS PER DOS COMMENTS
4	02.22.05	AS PER SED COMMENTS
3	01.28.05	AS PER SED COMMENTS
2	12.17.04	ISSUED FOR STATE REVIEW
1	12.09.04	SUBMISSION TO S.E.D.
NO.	DATE	REVISION

R & S Tavares Associates
 DESIGN & PROJECT MANAGEMENT
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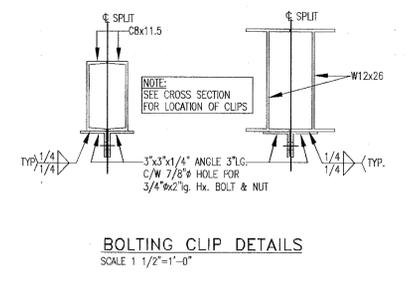
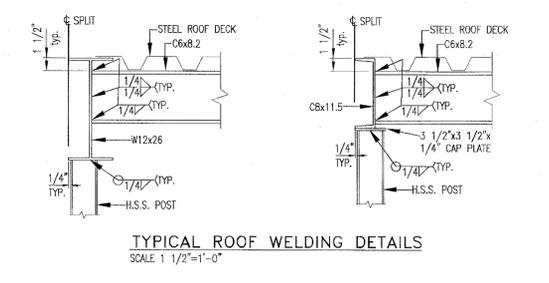
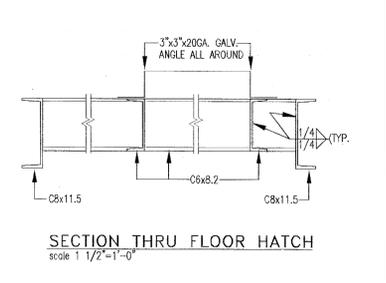
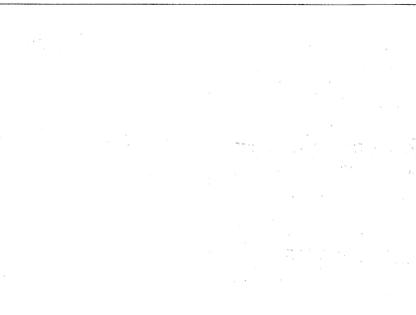
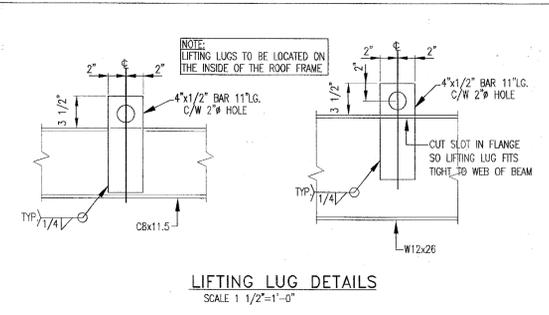
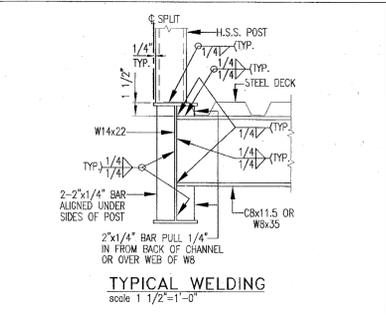
NRB (USA) INC.
 modular building systems
 443 Wenger Drive
 Ephrata, PA 17522
 Phone: 717-233-1794 Fax: 717-233-2412

THE INFORMATION CONTAINED IN THIS DRAWING REMAINS THE PROPERTY OF NRB (USA) INC. AND SHALL NOT BE MODIFIED OR COPIED WITHOUT WRITTEN CONSENT.
 SPECIFICATIONS, WHEN PROVIDED, SHALL BE READ IN CONJUNCTION WITH THIS DRAWING.
 DRAWN BY: K.J.F.T.
 PROJECT COORDINATOR: PROJECT COORDINATOR
 SALES REPRESENTATIVE: DATE: 04/18/05
 L.E.R.

AS SHOWN
 PROJECT: THE RYE CITY SCHOOL DISTRICT
 ADDITION AND RENOVATIONS
 AT MIDLAND ELEMENTARY SCHOOL
 RYE, NEW YORK
 STATE PROJECT No. 66-18-00-01-0-003-016

TITLE: STRUCTURAL FLOOR FRAMES & POSTS LAYOUT
 STRUCTURAL ROOF FRAMES
 STEEL DECK INFORMATION
 DETAILS

PROJECT # D04-039-C DRAWING # S1



Steel Floor Deck FD 938

PHYSICAL PROPERTIES

Property	Value
Yield Strength	400
Tensile Strength	500
Elongation	20
Modulus of Elasticity	29,000
Weight	1.30

LOADING TABLE

Span (ft)	Load (psf)	Reaction (k)
10	100	100
12	120	120
14	140	140
16	160	160
18	180	180
20	200	200

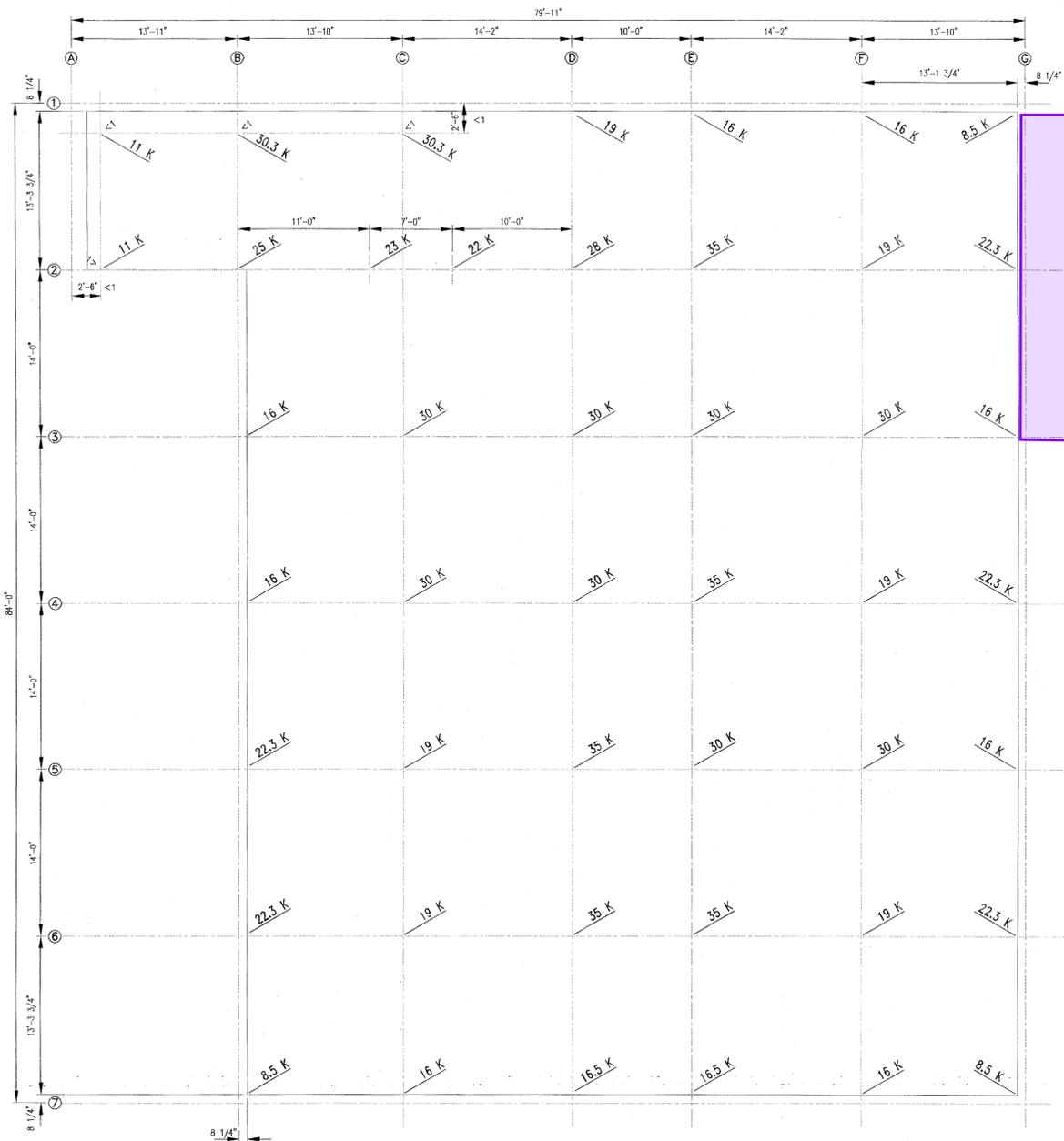
Steel Roof Deck RD 938

PHYSICAL PROPERTIES

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Elongation	20
Modulus of Elasticity	29,000
Weight	1.30

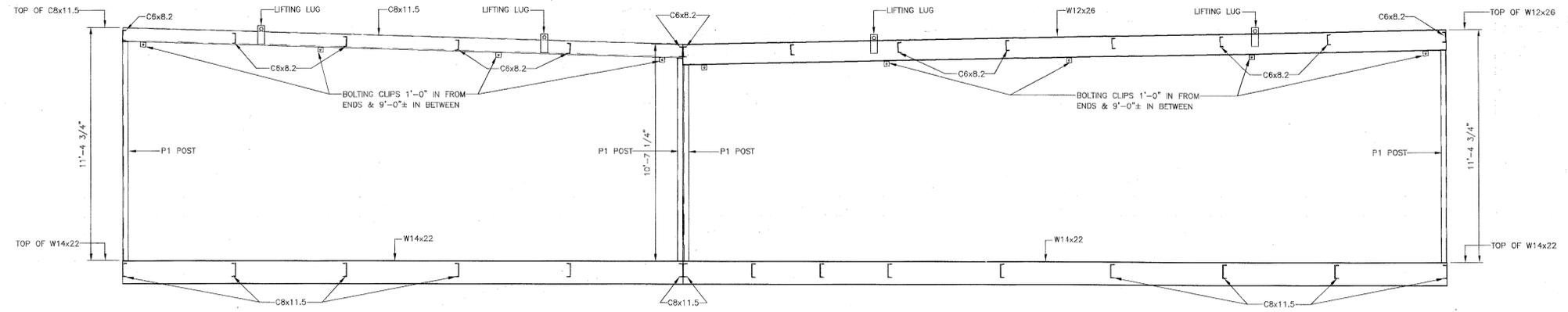
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20	200	200



POINT LOAD DIAGRAM
SCALE 3/16"=1'-0"
1.0 K = 1,000 LBS.

SHADED REGION IS APPROX EXTENTS OF PROPOSED ADDITION



CROSS SECTION 1
SCALE 3/8"=1'-0"

"SPACE RESERVED FOR NEW YORK STAMP OF APPROVAL"

NO.	DATE	REVISION
5	03.01.05	AS PER DGS COMMENTS
4	02.22.05	AS PER SED COMMENTS
3	01.26.05	AS PER SED COMMENTS
2	12.17.04	ISSUED FOR STATE REVIEW
1	12.09.04	SUBMISSION TO S.E.D.

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DRAWN BY K.J.F.T.	PROJECT COORDINATOR
SALES REPRESENTATIVE L.E.R.	DATE 04/18/05
SCALE AS SHOWN	

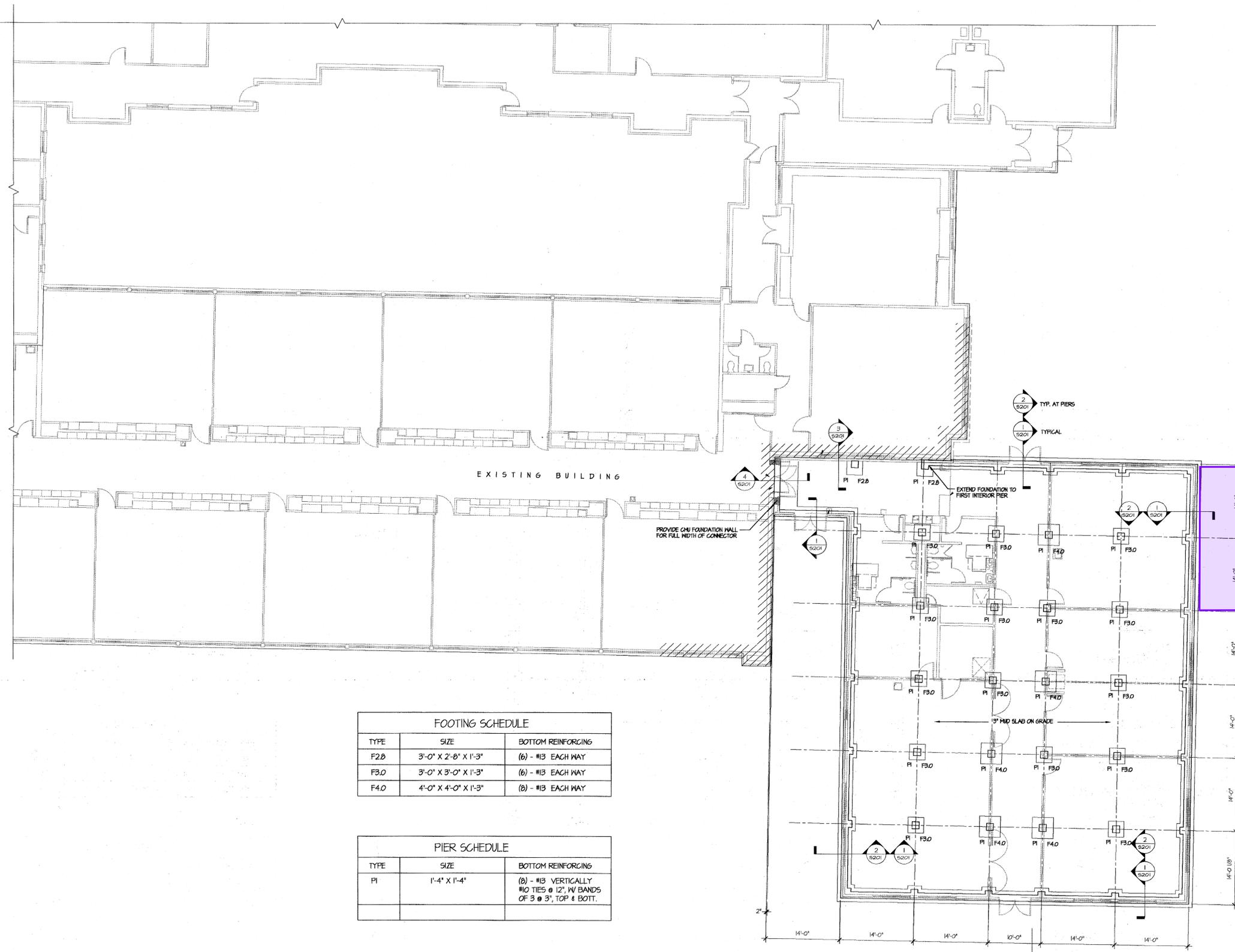
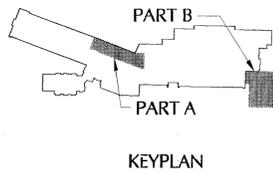
PROJECT
**THE RYE CITY SCHOOL DISTRICT
ADDITION AND RENOVATIONS
AT MIDLAND ELEMENTARY SCHOOL
RYE, NEW YORK**

STATE PROJECT No. 66-18-00-01-0-003-018
TITLE
POINT LOAD DIAGRAM

PROJECT # D04-039-C	DRAWING # S2
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E:\04\DD4-039 Rye District Schools\Midland Drawings\NRB Midland Final\DD4-039-C-S1.dwg

This drawing and details on it, as an instrument of service, is the property of the architect and may be used for this specific project and shall not be loaned, copied or reproduced without written consent of the architect.



FOOTING SCHEDULE		
TYPE	SIZE	BOTTOM REINFORCING
F2.0	3'-0" X 2'-8" X 1'-3"	(6) - #13 EACH WAY
F3.0	3'-0" X 3'-0" X 1'-3"	(6) - #13 EACH WAY
F4.0	4'-0" X 4'-0" X 1'-3"	(8) - #13 EACH WAY

PIER SCHEDULE		
TYPE	SIZE	BOTTOM REINFORCING
PI	1'-4" X 1'-4"	(8) - #13 VERTICALLY #10 TIES @ 12", W BANDS OF 3 @ 3", TOP & BOTT.

FOUNDATION NOTES:
 1. CONCRETE FOR FOUNDATIONS AND WALLS SHALL BE 3000 PSI NORMAL WEIGHT CONCRETE.
 2. MID SLAB ON GRADE CONSTRUCTION IS 3" THICK 3000 PSI NORMAL WEIGHT CONCRETE, REINFORCED WITH POLYPROPYLENE FIBERS, ON TOP OF VAPOR BARRIER.
 3. BOTTOM OF FOOTING ELEVATIONS INDICATED THIS [X] RELATIVE TO FINISHED FLOOR ELEVATION, UNLESS OTHERWISE NOTED. ALL PERIMETER WALL AND EXTERIOR COLUMN FOOTINGS ARE AT (-5'-6").
 4. SF. DENOTES STEPPED FOOTING LOCATION, SEE TYPICAL DETAIL ON DRAWING S200.
 5. REFER TO TYPICAL DETAILS ON DRAWING S200 FOR TYPICAL DETAILS ASSOCIATED WITH FOUNDATION WORK.
 6. REBAR SIZES ARE SOFT METRIC DESIGNATIONS.

PROFESSIONAL SEAL

PROJECT MANAGER J. AKIM
 ARCHITECT/DESIGNER J. KANGRO
 ENGINEER/DESIGNER W. McNULTY, P.E.
 DRAWN BY L. CZUBATY

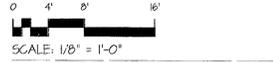


FLETCHER THOMPSON, INC.
 THREE CORPORATE DRIVE
 SHELTON, CT 06484-6244

PROJECT TITLE
 ADDITIONS AND RENOVATIONS TO
 MID ELEMENTARY SCHOOL
 110 LAND AVENUE
 RYE, NEW YORK

FOR THE RYE CITY SCHOOL DISTRICT
 STATE PROJECT NO. 66-18-00-01-0-003-016

FOUNDATION PLAN PART "B"

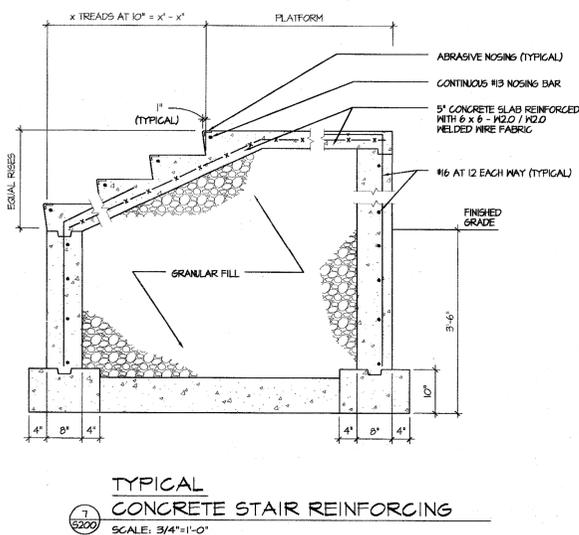


1/26/05 PER SED COMMENTS
 DATE NOVEMBER 30, 2004

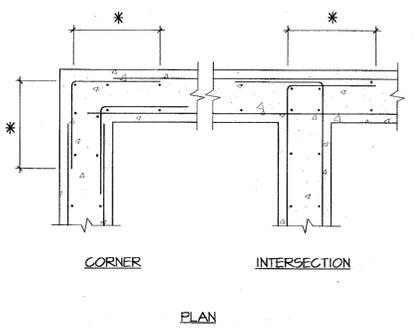
SCALE 1/8" = 1'-0"
 PROJECT NO. SO41140.06
 DRAWING NO. S101

FOUNDATION PLAN PART "B"
 1/8" = 1'-0"

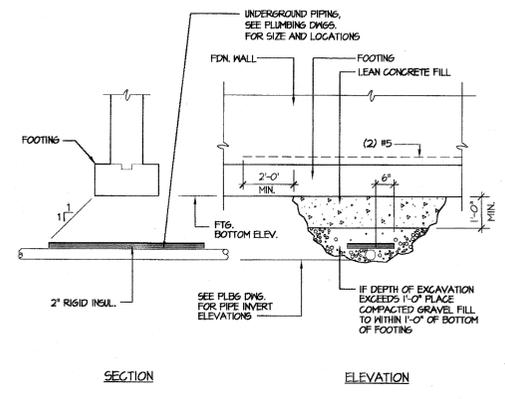




TYPICAL CONCRETE STAIR REINFORCING
SCALE: 3/4"=1'-0"



HORIZONTAL WALL REINFORCING
SCALE: 3/4"=1'-0"



EARTHWORK DETAIL AT PIPE TRENCHING BENEATH FOOTING
SCALE: NOT TO SCALE

GENERAL NOTES:

- GENERAL**
- GOVERNING CODE: 2002 NEW YORK STATE BUILDING CODE (BC 2000).
- ASSUMED BEARING PRESSURE ON UNDISTURBED SOIL: 4,000 PSF
ASSUMED BEARING PRESSURE ON COMPACTED FILL: 4,000 PSF
1. SHOULD ANY OF THE DETAILED INSTRUCTIONS SHOWN ON THE PLANS CONFLICT WITH THE GENERAL STRUCTURAL NOTES, THE SPECIFICATIONS, OR WITH EACH OTHER, THE STRICTEST PROVISION SHALL GOVERN.
 2. THE STRUCTURE IS DESIGNED TO BE SELF-SUPPORTING AND STABLE AFTER THE BUILDING IS FULLY COMPLETED. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE ERECTION PROCEDURES AND SEQUENCE AND TO INSURE THE SAFETY OF THE BUILDING AND ITS COMPONENT PARTS DURING ERECTION. THIS INCLUDES THE ADDITION OF WHATEVER SHORING, SHEETING, TEMPORARY BRACING, GUNTS OR TIEDOWNS WHICH MIGHT BE NECESSARY. SUCH MATERIAL SHALL REMAIN THE CONTRACTOR'S PROPERTY AFTER COMPLETION OF THE PROJECT.
 3. LOADS, OPENINGS AND STRUCTURE IN ANY WAY RELATED TO REQUIREMENTS OF OTHER (NON-STRUCTURAL) DISCIPLINES ARE SHOWN FOR BIDDING PURPOSES ONLY. THE CONTRACTOR SHALL OBTAIN FROM THE HEATING AND VENTILATING, ELECTRICAL, PLUMBING AND OTHER SUBCONTRACTORS THE FINAL APPROVED SIZE AND LOCATION OF ALL OPENINGS AND WORK TO BE PROVIDED FOR THEIR TRADE IN ROOFS, FLOORS AND WALLS, WHETHER SHOWN OR NOT SHOWN ON STRUCTURAL DRAWINGS. CONTRACTOR SHALL BE RESPONSIBLE FOR TRANSMISSION OF REQUIREMENTS, LOCATIONS AND DETAILS TO STRUCTURAL SUBCONTRACTORS. EXCESS COST RELATED TO VARIATION IN MECHANICAL REQUIREMENTS ARE NOT TO BE BORNE BY THE OWNER.
 4. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO FOLLOW ALL APPLICABLE SAFETY CODES AND REGULATIONS DURING ALL PHASES OF CONSTRUCTION.
 5. SHOP DRAWINGS ARE TO BE CHECKED BY THE CONTRACTOR AND SUBCONTRACTOR AND BEAR CHECKER'S INITIALS BEFORE BEING SUBMITTED TO THE ARCHITECT FOR APPROVAL.
 6. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, ANGLES AND EXISTING CONDITIONS BEFORE PROCEEDING WITH ANY WORK.
 7. ALL SECTIONS AND DETAILS SHALL BE CONSIDERED TYPICAL AND APPLY FOR THE SAME AND SIMILAR SITUATIONS THROUGHOUT THE BUILDING, UNLESS OTHERWISE SPECIFICALLY NOTED.

CONCRETE

MATERIALS:
CONCRETE SHALL BE NORMAL WEIGHT AND SHALL DEVELOP STRENGTH IN 28 DAYS AS FOLLOWS:

LOCATION	STRENGTH (PSI)
FOUNDATIONS	3000
WALLS	3000
MUD SLAB ON GRADE	3000

1. ALL DETAILING, FABRICATION AND ERECTION OF REINFORCING BARS MUST FOLLOW THE LATEST ACI CODE AND THE LATEST ACI MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES.
2. REINFORCING STEEL SHALL BE 60000 PSI YIELD. BARS SIZES GIVEN IN THE STRUCTURAL DRAWINGS ARE SOFT METRIC DESIGNATIONS. THE FOLLOWING TABLE EQUATES THE SOFT METRIC DESIGNATION TO THE STANDARD INCH BASED DESIGNATION.

INCH BASED	SOFT METRIC DESIGNATION
#3	#10
#4	#13
#5	#16
#6	#19
#7	#22

3. NO TACK WELDING OF REINFORCING WILL BE PERMITTED.
4. UNLESS NOTED OTHERWISE, ALL LAP SPLICES SHALL BE CLASS B, IN ACCORDANCE WITH ACI 318-09.
5. NO CALCIUM CHLORIDE OR ADMIXTURES CONTAINING MORE THAN 0.06 CHLORIDE BY WEIGHT OF ADMIXTURE SHALL BE USED IN THE CONCRETE.
6. AT INTERSECTIONS OF REINFORCED CONCRETE WALLS, PROVIDE CORNER DOVELS OF SAME SIZE AND AT THE SAME SPACING AS THE SMALLER HORIZONTAL REINFORCING. DOVELS SHALL HAVE A CLASS B LAP WITH HORIZONTAL REINFORCING IN EACH DIRECTION.

FOUNDATIONS

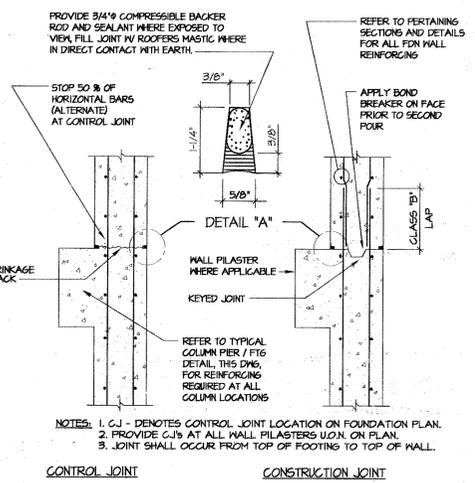
1. BACKFILLING SHALL BE ACCOMPLISHED TO EQUAL HEIGHTS ON BOTH SIDES OF FOUNDATION WALLS TO PREVENT MOVEMENTS DUE TO UNBALANCED EARTH PRESSURE. WHERE EARTH IS ON ONE SIDE ONLY, BACKFILLING AND COMPACTION SHALL NOT START UNTIL FLOOR SLAB OR ADEQUATE BRACING IS PROVIDED FOR WALL SUPPORT (EXCEPT AT RETAINING WALLS).
2. ALL FOOTINGS ARE TO REST ON UNDISTURBED NATURAL SOIL, AS DEFINED IN THE SPECIFICATIONS, OR CONTROLLED COMPACTED FILL, REGARDLESS OF ELEVATIONS SHOWN ON DRAWINGS. FOOTING BOTTOM ELEVATIONS SHALL NOT BE HIGHER THAN INDICATED ON THE FOUNDATION PLAN.
3. ALL SOIL SURROUNDING AND UNDER ALL FOOTINGS SHALL BE PROTECTED FROM FREEZING AND FROST ACTION DURING THE COURSE OF CONSTRUCTION.
4. BOTTOM OF ALL EXTERIOR FOOTINGS SHALL BE AT LEAST 3'-6" BELOW FINISHED GRADE.
5. FOOTING BOTTOMS SHALL STEP WHERE INDICATED AT THE RATE OF 1 UNIT VERTICAL TO 2 UNITS HORIZONTAL WITH A MAXIMUM VERTICAL STEP OF 2'-0".
6. WHERE FOOTINGS ARE IN CLOSE PROXIMITY OF SUBSURFACE PIPING, BOTTOM OF FOOTINGS SHALL BE AT LEAST 8" BELOW INVERT ELEVATION OF PIPING, UNLESS OTHERWISE SHOWN ON DRAWINGS.
7. KEEP FOUNDATION EXCAVATIONS FREE OF WATER AT ALL TIMES.
8. USE LEAN CONCRETE (F_c 1500) OR CONTROLLED COMPACTED FILL FOR OVER-EXCAVATION OF FOOTINGS.
9. PLACEMENT OF ALL COMPACTED FILL MUST BE UNDER SUPERVISION OF AN APPROVED TESTING LABORATORY (SEE SPECIFICATIONS). CONCRETE FOUNDATIONS SHALL NOT BE PLACED UNTIL SUBBASE HAS BEEN CHECKED IN PLACE AND APPROVED BY TESTING LABORATORY.
10. CONTROL JOINT SPACING IN FOUNDATION WALLS SHALL NOT EXCEED 30 FEET. 50% OF HORIZONTAL REINFORCEMENT SHALL EXTEND THROUGH JOINT AND HAVE A CLASS B SPLICE (PER ACI 318-09).
11. WHERE REQUIRED, CONSTRUCTION JOINTS SHALL BE KEYED AND OCCUR AT CONTROL JOINT INTERVALS.
12. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF BRICK OR CONCRETE MASONRY BLOCK SHELF ELEVATIONS IN THE FOUNDATION WALLS.

7. PROVIDE CORROSION RESISTANT ACCESSORIES IN ALL EXPOSED CONSTRUCTION.
8. ALL KEYS IN CONCRETE WALLS SHALL BE 2 X 4 UNLESS NOTED OTHERWISE.

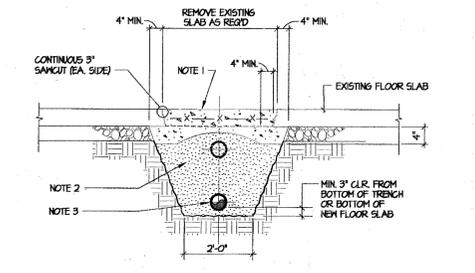
9. CONCRETE PIERS: PLACE CONCRETE PIERS AND WALLS TOGETHER. SET PIER REINFORCING AND SET WALL REINFORCING THROUGH PIER VERTICAL BARS. PROVIDE DOVELS WITH STANDARD HOOK FROM FOOTING AT ALL PIERS. SIZE AND QUANTITY OF DOVELS TO MATCH VERTICAL PIER REINFORCING (CLASS B SPLICE).
10. SEE ARCHITECTURAL, MECHANICAL AND EQUIPMENT DRAWINGS FOR CONCRETE PADS, SLEEVES, OPENINGS, RECESSES, AND BUILT-IN WORK IN CONCRETE ELEMENTS.
11. THE CONTRACTOR SHALL FURNISH, LOCATE AND INSTALL ALL ACCESSORIES FOR PROPER ANCHORAGE OF WOOD AND METAL FRAMING, HOOD BLOCKING, BRICK WORK AND MASONRY UNITS. HE SHALL BE SOLELY RESPONSIBLE FOR FURNISHING, LOCATING AND ENSURING PROPER QUANTITY OF ALL FASTENING DEVICES.
12. ALL CONCRETE TO REMAIN EXPOSED TO VIEW SHALL RECEIVE A SMOOTH RUBBED FINISH (SEE SPECIFICATIONS).
13. ALL CONCRETE CORNERS WITH BOTH SIDES EXPOSED TO VIEW SHALL BE SQUARE UNLESS OTHERWISE SHOWN OR NOTED. THE EDGE SHALL BE RUBBED, PRODUCING A SMOOTH, DENSE SURFACE WITHOUT PITS OR IRREGULARITIES.
14. PROVIDE CONTINUOUS VERTICAL DOVETAIL SLOTS AT 16 INCH CENTERS HORIZONTALLY FOR ALL CONCRETE WALLS ABUTTING A MASONRY WALL OR VENEER, UNLESS OTHERWISE NOTED.
15. PROVIDE CLEARANCE FROM EDGE OF REINFORCING TO EDGE OF CONCRETE AS FOLLOWS:

FOOTINGS (AGAINST EARTH)	3"
GRADE BEAMS (BOTTOM REINFORCING)	3"
BEAMS (LONGITUDINAL REINFORCING)	2"
COLUMNS AND PIERS (VERTICAL REINFORCING)	2"
WALLS, INTERIOR FACE	3/4"
WALLS, EXTERIOR FACE (16 AND SMALLER)	1 1/2"
WALLS, EXTERIOR FACE (16 AND LARGER)	2"
SLABS (INTERIOR)	3/4"
SLABS (EXTERIOR)	1 1/2"
SLABS ON GRADE (W/UF)	1/8" X THK. FROM TOP SURFACE

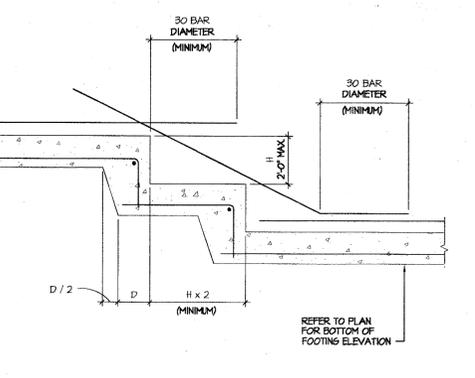
16. PROVIDE THE FOLLOWING AT OPENINGS IN ALL CONCRETE UNLESS OTHERWISE INDICATED:
1-#4 AT EACH FACE ON EACH SIDE OF OPENING, EXTENDING 2'-0" BEYOND OPENING.
1-#4 X 4'-0" LONG AT EACH FACE DIAGONALLY AT EACH CORNER.
17. REINFORCING STEEL SHOP DRAWINGS SHALL INDICATE THE SEQUENCE IN WHICH LAYERS OF CROSSING REINFORCING SHOULD BE PLACED, IN ORDER TO PRODUCE THE CORRECT OUTERMOST LAYER AS INDICATED ON THE DRAWINGS.
18. MUD SLAB ON GRADE IS REINFORCED WITH POLYPROPYLENE FIBERS.



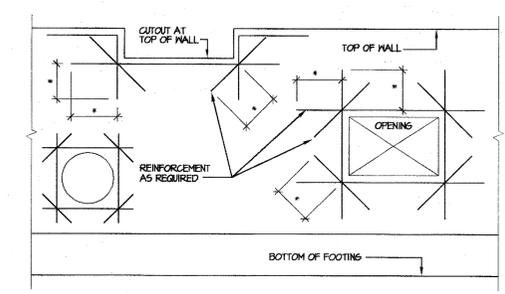
FOUNDATION WALL CONTROL / CONSTRUCTION JOINT DETAIL
SCALE: 3/4"=1'-0"



DETAIL AT NEW UNDERSLAB PIPING/ CONDUIT
SCALE: 3/4"=1'-0"



STEPPED FOOTING
SCALE: 3/4"=1'-0"



WALL PENETRATION REINFORCEMENT
SCALE: 3/4"=1'-0"

PROFESSIONAL SEAL

PROJECT MANAGER: J. KANCIRO
ARCHITECT/DESIGNER: J. KANCIRO
ENGINEER/DESIGNER: W. McNulty, P. E.
DRAWN BY: L. CZUBATY



FLETCHER-THOMPSON, INC.
THREE CORPORATE DRIVE
SHELTON, CT 06484-6214

PROJECT TITLE: ADDITIONS AND RENOVATIONS TO MIDLAND ELEMENTARY SCHOOL, MIDLAND AVENUE, RYE, NEW YORK FOR THE RYE CITY SCHOOL DISTRICT
STATE PROJECT NO. 66-18-00-01-0-003-016

DRAWING TITLE: TYPICAL FOUNDATION DETAILS

1/26/05 PER SED COMMENTS

NO.	DATE	REVISION	BY

DATE: NOVEMBER 30, 2004

SCALE: 0' 8' 24'

PROJECT NO. SO41140.06

DRAWING NO. S200

STRUCTURAL CONCRETE MASONRY NOTES

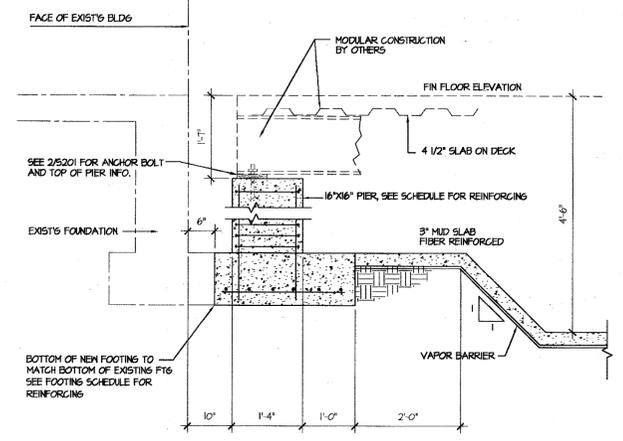
MATERIALS:

HOLLOW LOAD BEARING UNITS: ASTM C 90
 (COMPRESSIVE STRENGTH OF MASONRY, $f_m = 1500$ PSI)
 (COMPRESSIVE STRENGTH AT 28 DAYS = 2000 PSI)
 CONCRETE BRICK, (GRADE N-1) ASTM C 55

MORTAR, (TYPE S) ASTM C 270
 GROUT FOR REINFORCED MASONRY: ASTM C 476
 SOLID LOAD BEARING UNITS: (GRADE N-1) ASTM C 145
 REINFORCING STEEL: ASTM A615, GRADE 60, DEFORMED BAR

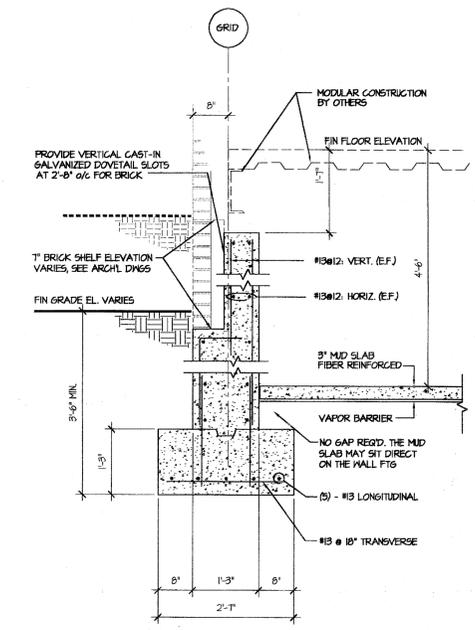
- WALLS INDICATED ON STRUCTURAL DRAWINGS ARE FOR REFERENCE ONLY. SEE ARCHITECTURAL DRAWINGS FOR LOCATION, THICKNESS AND COMPOSITION OF MASONRY WALLS.
- ALL MASONRY FIRE WALLS SHALL CONTAIN THE FOLLOWING REINFORCING UNLESS OTHERWISE NOTED:
 1-#3 VERTICAL BAR AT 8" ON CENTER
 1-#3 BAR MINIMUM ABOVE AND BELOW ALL WINDOW AND MECHANICAL OPENINGS AND ABOVE ALL DOOR OPENINGS. PROVIDE ADDITIONAL BARS ABOVE DOORS, WINDOWS AND MECHANICAL OPENINGS AS REQUIRED IN ACCORDANCE WITH LINTEL SCHEDULE ON ARCHITECTURAL DRAWINGS.
 STANDARD LADAR TYPE DESIGN DIAGONAL HORIZONTAL REINFORCING AT 16" ON CENTER VERTICAL.
- ALL VERTICAL WALL REINFORCING SHALL BE CONTINUOUS FOR THE FULL HEIGHT OF MASONRY WALLS, INCLUDING THROUGH CONTINUOUS MASONRY BOND BEAMS, UNLESS OTHERWISE INDICATED.
- CELLS CONTAINING REINFORCING BARS AND ALL CELLS BELOW GRADE SHALL BE GROUTED SOLID. ALL OTHER CELLS SHALL REMAIN HOLLOW EXCEPT WHERE NOTED.
- ALL BOLTS OR ANCHORS SHALL BE SOLIDLY EMBEDDED IN MORTAR OR GROUT. IF BOND BEAM IS NOT LOCATED AT TOP OR ANCHOR ELEVATION PROVIDE LATH AND FILL CELL LOCALLY TO PROVIDE SUBSTRATE FOR BOLT OR ANCHOR. GROUT CELL ABOVE ALL MASONRY ANCHORS.
- HOLLOW UNITS SHALL BE LAID WITH FULL MORTAR COVERAGE ON HORIZONTAL AND VERTICAL FACE SHELLS, EXCEPT THAT NEBS SHALL ALSO BE BEDDED IN ALL COURSES OF BEARING AND SHEAR WALLS, PIERS, COLLARS AND PILASTERS, AND IN THE STARTING COURSE ON FOOTINGS AND SOLID FOUNDATION WALLS, AND WHERE ADJACENT TO CELLS OR CAVITIES WHICH ARE TO BE REINFORCED AND/OR FILLED WITH GROUT.
- MORTAR PROTRUSIONS EXTENDING INTO CELLS OR CAVITIES TO BE REINFORCED AND/OR GROUTED SHALL BE REMOVED.
- SOLID UNITS SHALL BE LAID WITH FULL HEAD AND BED JOINTS.
- MINIMUM DEVELOPMENT LENGTH AND SPLICE LENGTH OF MASONRY REINFORCING SHALL BE AS FOLLOWS:

BAR SIZE	DEVELOPMENT LENGTH	SPLICE LENGTH
#3	18"	24"
#4	23"	30"
#5	27"	36"
#6	32"	42"
- ALL REBAR SIZES SPECIFIED ARE SOFT METRIC DESIGNATIONS.



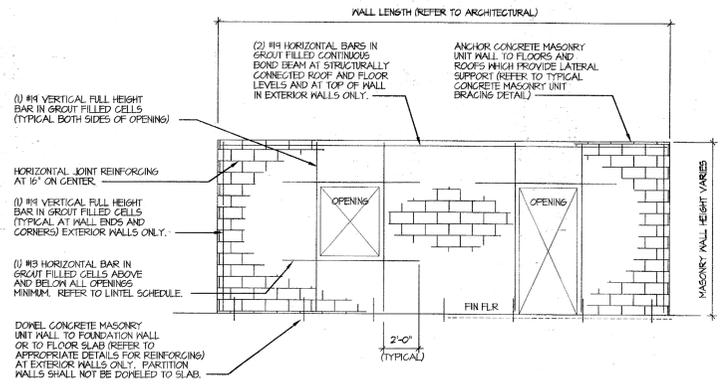
NOTE: ALL REBAR SIZES SHOWN ARE SOFT METRIC SIZES

3 FOOTING AT EXISTING BUILDING
 SCALE: 3/4" = 1'-0"



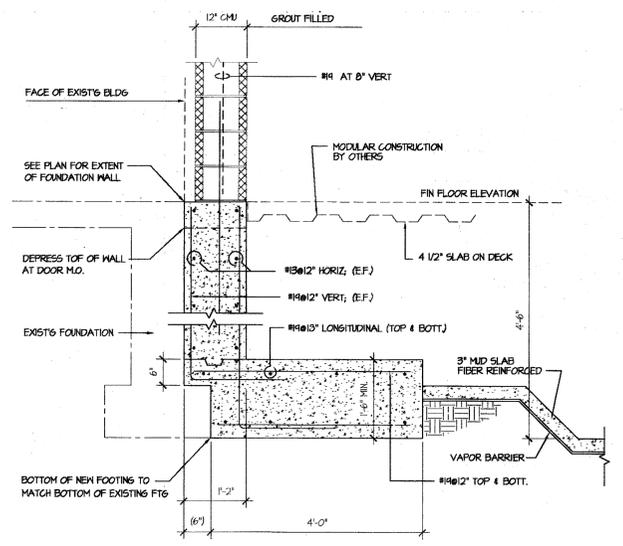
NOTE: ALL REBAR SIZES SHOWN ARE SOFT METRIC SIZES

1 PERIMETER FOUNDATION WALL
 SCALE: 3/4" = 1'-0"



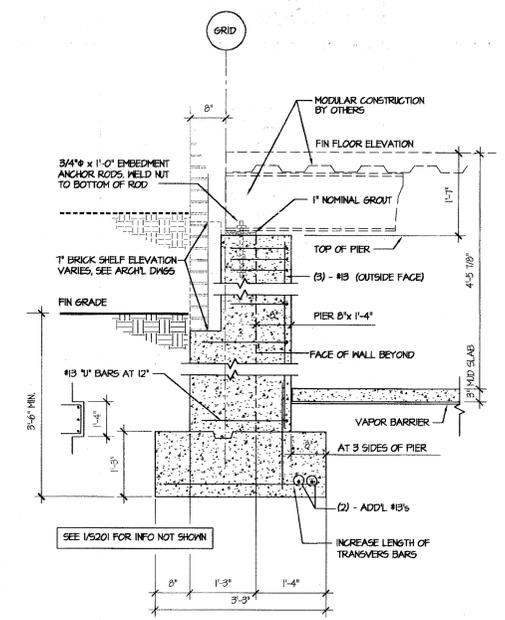
NOTE:
 INTERIOR PARTITION WALLS NEED ONLY HAVE HORIZONTAL JOINT REINFORCING AND HORIZONTAL AND VERTICAL BARS AT OPENINGS. INTERIOR PARTITIONS NEED NOT HAVE VERTICAL BARS AT UNIFORM SPACING, DOWELS TO SLAB, OR HORIZONTAL BOND BEAMS.

5 CMU WALLS / MINIMUM REINFORCING
 SCALE: 3/4" = 1'-0"



NOTE: ALL REBAR SIZES SHOWN ARE SOFT METRIC SIZES

4 CMU FIREWALL FOUNDATION
 SCALE: 3/4" = 1'-0"



NOTE: ALL REBAR SIZES SHOWN ARE SOFT METRIC SIZES

2 PIER AT MODULAR JOINTS
 SCALE: 3/4" = 1'-0"

PROFESSIONAL SEAL

PROJECT MANAGER: J. KANGRO
 ARCHITECT/DESIGNER: J. KANGRO
 ENGINEER/DESIGNER: W. McNULTY, P.E.
 DRAWN BY: L. CZUBATY



FLETCHER THOMPSON

ARCHITECTURE / ENGINEERING / INTERIOR DESIGN

FLETCHER-THOMPSON, INC.
 THREE CORPORATE DRIVE
 SHELTON, CT 06484-5244

PROJECT TITLE
ADDITIONS AND RENOVATIONS TO MIDLAND ELEMENTARY SCHOOL
 MIDLAND AVENUE
 RYE, NEW YORK
 FOR THE RYE CITY SCHOOL DISTRICT
 STATE PROJECT NO. 66-18-00-01-0-003-016
 DRAWING TITLE

FOUNDATION AND CMU DETAILS

1/26/05 PER SED COMMENTS
 DATE REVISION BY

NOVEMBER 30, 2004

SCALE: **AS NOTED**

PROJECT NO.: **SO41140.06**

DRAWING NO.: **S201**

Revision Schedule		
No.	Description	Date
A	SED SUBMISSION	10/23/2020
E	ADDITION: ISSUED FOR BID	2021-07-23

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 (203) 256-8700

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loga
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 914.328.0900 GENERAL@BGA-ENG.COM WWW.BGA-ENG.COM

Construction Manager
 SAVIN ENGINEERS, P.C.
 3 Campus Drive
 Pleasantville, NY 10570
 914-769-3200

Structural Engineer
 ODEH ENGINEERS
 1223 Mineral Spring Ave
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 401-724-1771

Civil Engineer
 WESTON & SAMPSON
 1 Winners Circle, Suite 130
 Albany, NY 12205
 518-463-4400

Acoustic Consultant
 DP DESIGN
 12 Cold Spring Street
 Providence, RI
 401-861-3218

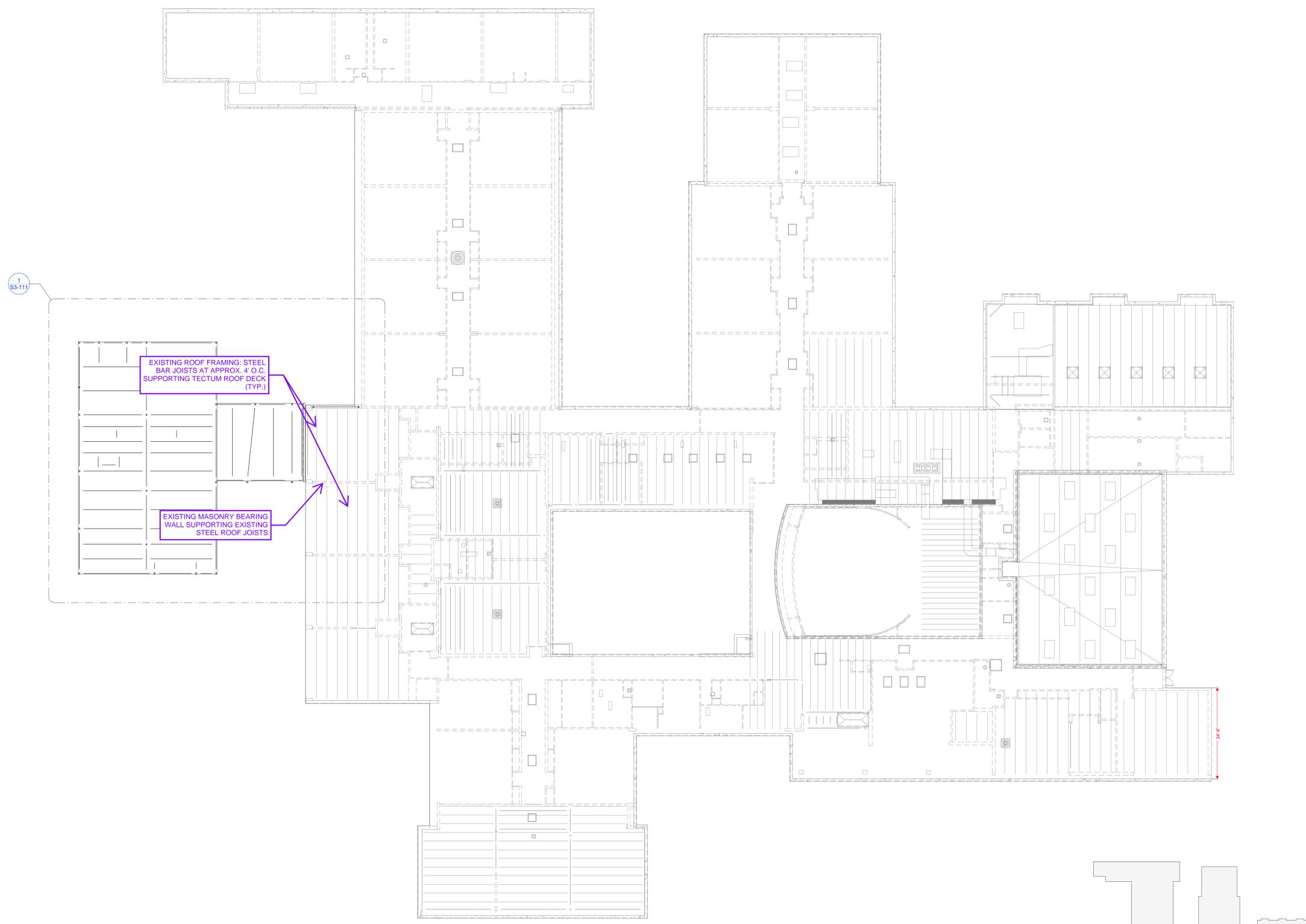
AV Consultant
 CAVANAUGH TOCCI
 327 F Boston Post Road
 Sudbury, MA 01776-3027
 978-443-7871

SED#: 6618-0001-0001-024

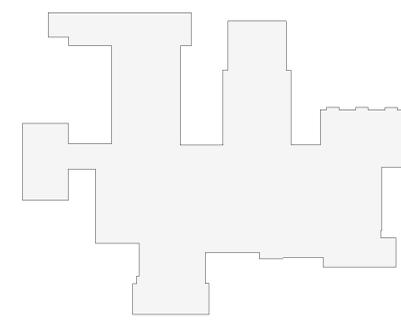
PROJECT
Rye City Schools
 555 Theodore Fremd Ave, Suite B-101
Osborn Elementary School
 10 Osborn Rd, Rye, NY 10580

OVERALL ROOF FRAMING PLAN

SEAL & SIGNATURE | DATE: 10/23/2020
 PROJECT No: 9200
 DRAWING BY: EAC
 CHK BY: DJO
 DWG No: S3-101



1 OVERALL ROOF FRAMING PLAN
 SCALE: 1/16" = 1'-0"



KEY PLAN
 N.T.S.