

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

- 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 'MINIMUM 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?

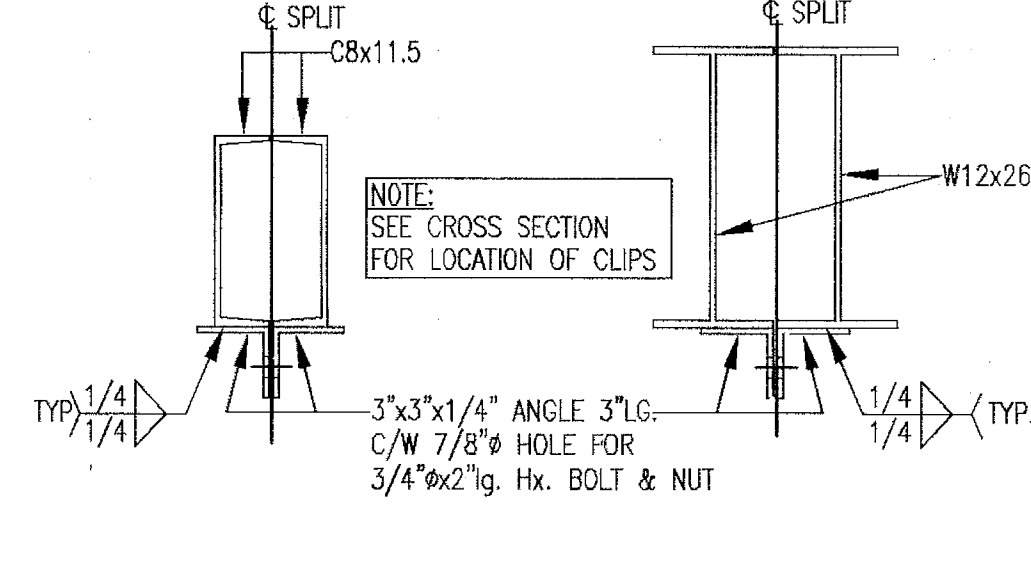
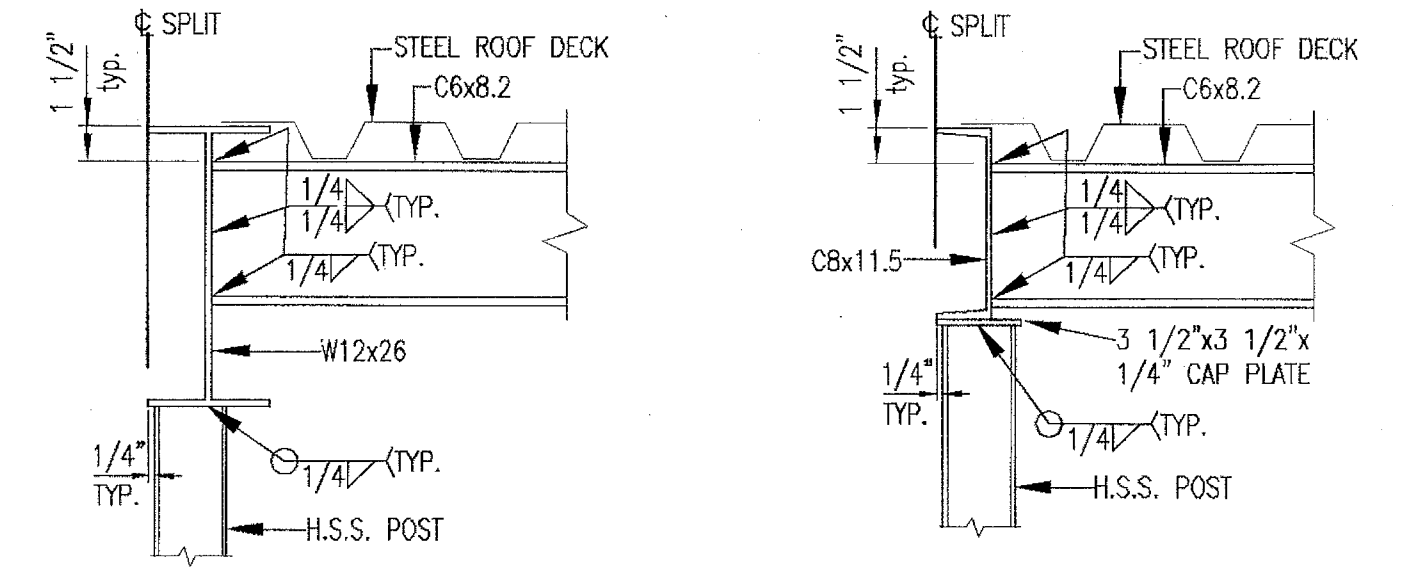
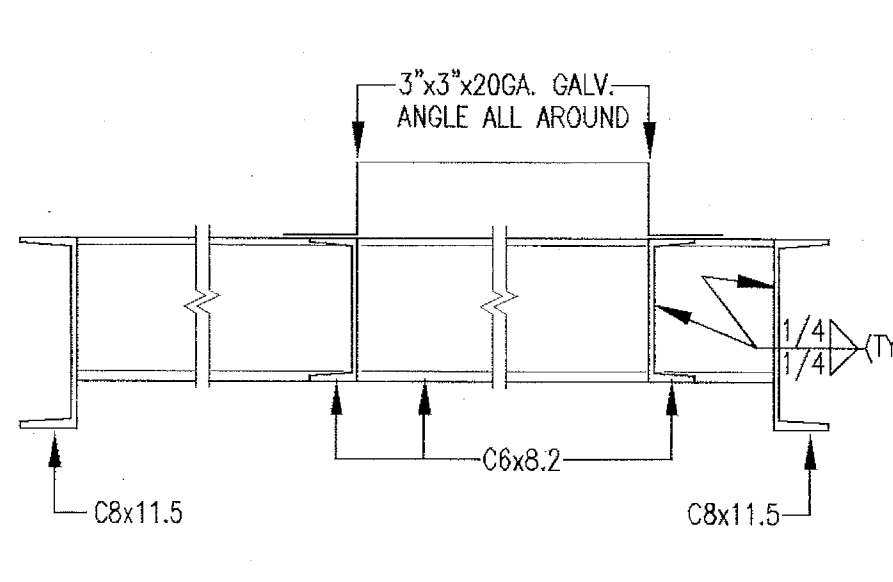
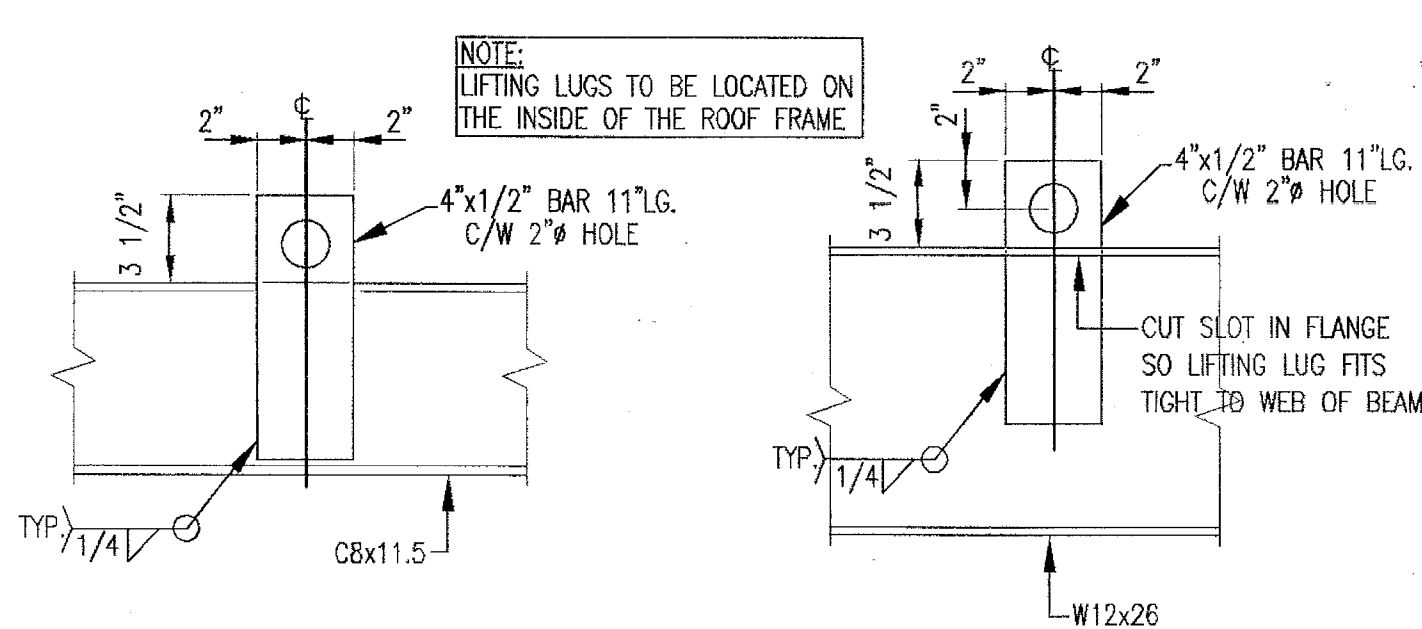
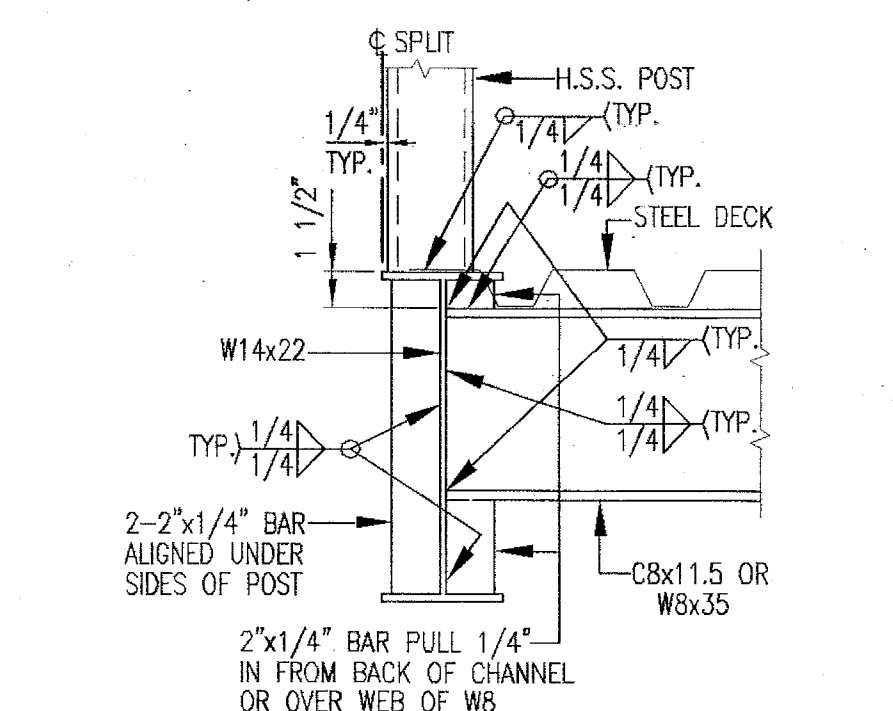
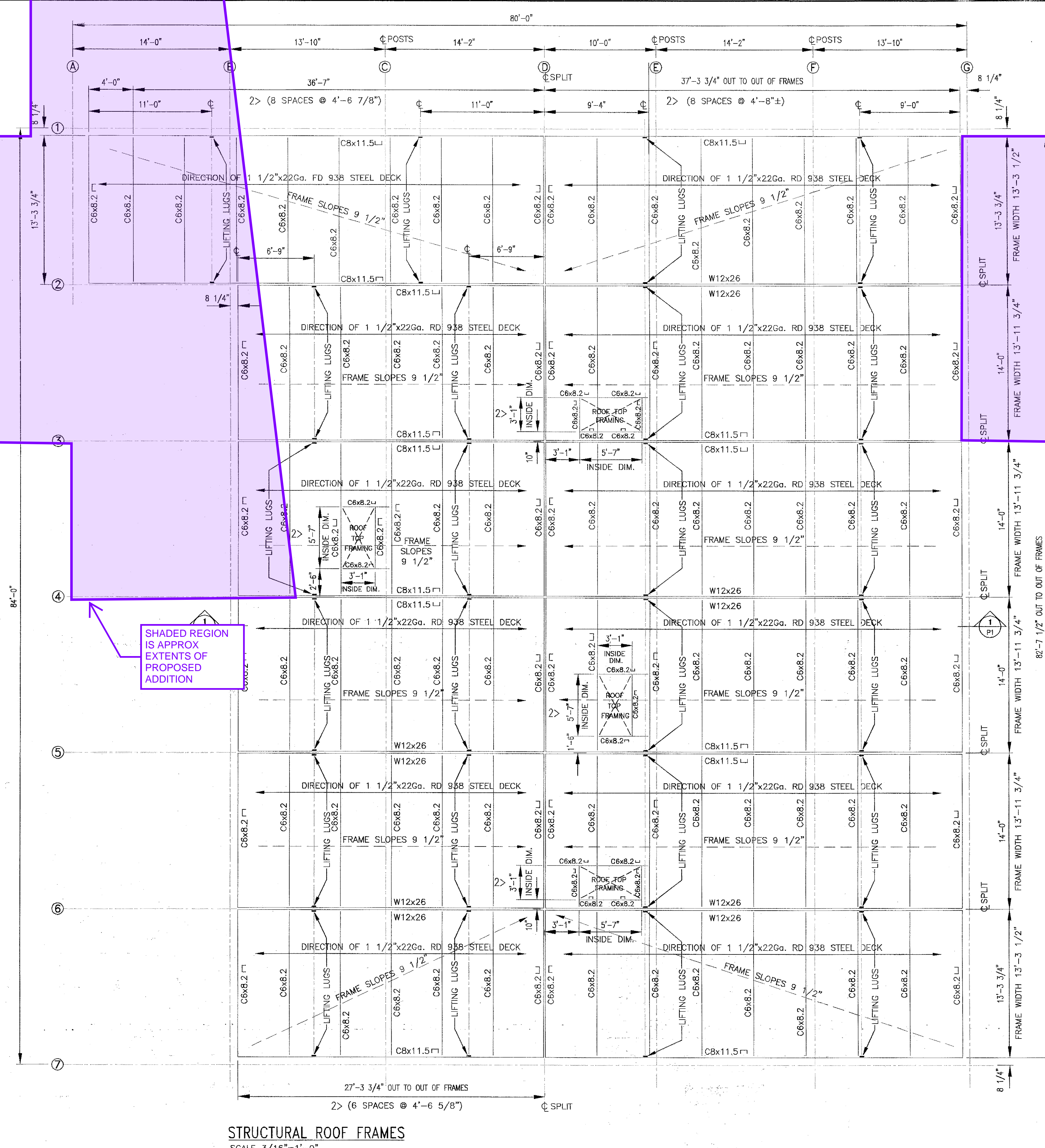
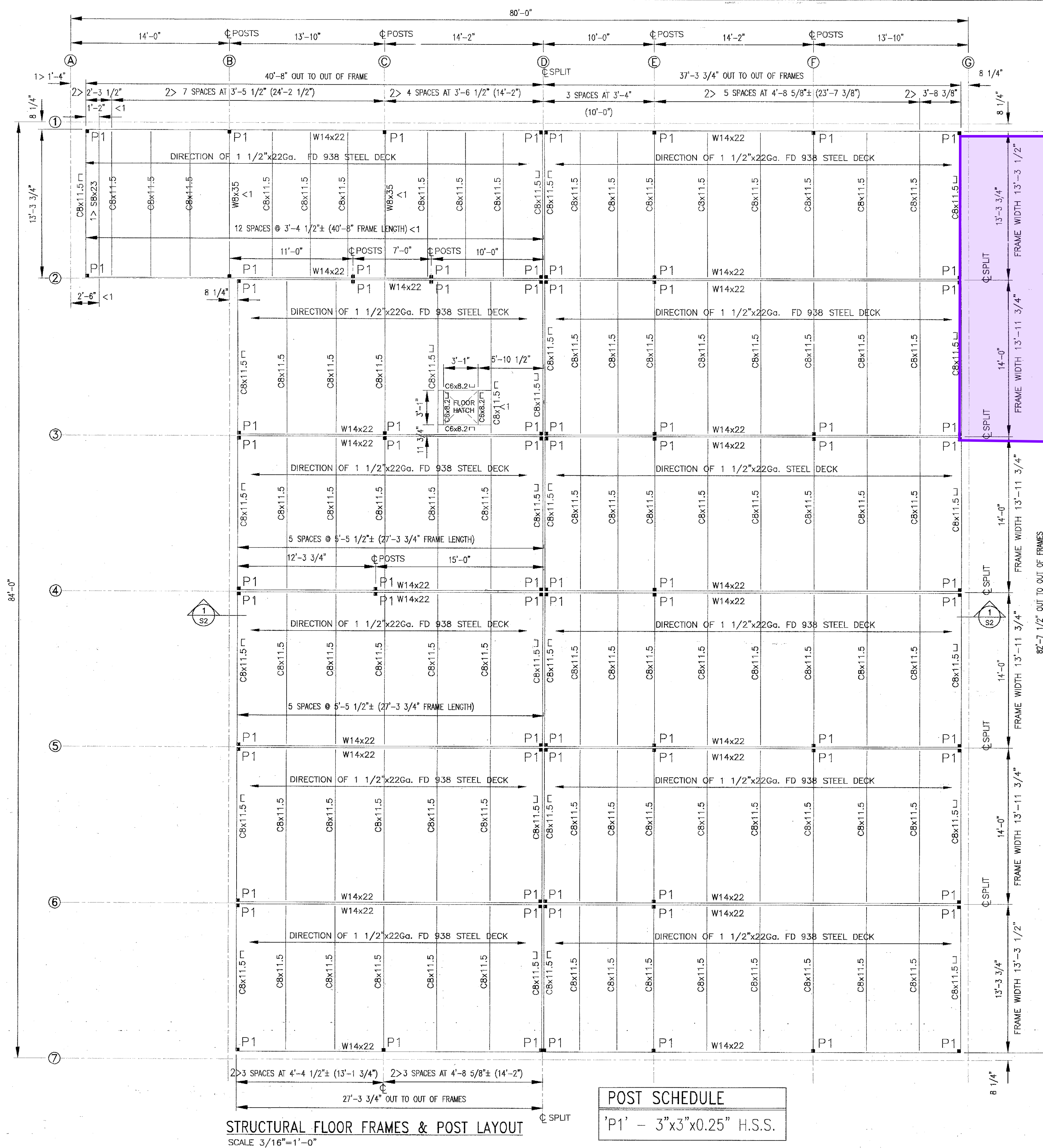
Answer: The question is about two separate coverages. Here is the breakdown of each:

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.
-



Steel Floor Deck FD 938

PHYSICAL PROPERTIES

Deck	Area	Weight	Depth	Flange	Web	Stiffness	Strength
FD 938	1.00	1.00	1.00	1.00	1.00	1.00	1.00

LOADING TABLE

Deck	Area	Weight	Depth	Flange	Web	Stiffness	Strength
FD 938	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Steel Roof Deck RD 938

PHYSICAL PROPERTIES

Deck	Area	Weight	Depth	Flange	Web	Stiffness	Strength
RD 938	1.00	1.00	1.00	1.00	1.00	1.00	1.00

LOADING TABLE

Deck	Area	Weight	Depth	Flange	Web	Stiffness	Strength
RD 938	1.00	1.00	1.00	1.00	1.00	1.00	1.00

5/03.01.05 AS PER DOS 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.

NO. DATE REVISION

R & S Tavares Associates
DESIGN & CONSULTING PROJECT MANAGEMENT
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SILVANA M. TAVARES, AIA
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NRB (USA) INC.
modular building systems
440 Wenger Drive
Ephrata, PA 17522
Phone: 717-733-1784 Fax: 717-733-2412
THE INFORMATION CONTAINED IN THIS DRAWING IS THE PROPERTY OF NRB (USA) INC. AND SHALL NOT BE REPRODUCED OR COPIED WITHOUT PRIOR WRITTEN CONSENT.
SPECIFICATIONS WHEN PROVIDED SHALL BE READ IN CONJUNCTION WITH THIS DRAWING.

DESIGNED BY: K.J.F.T.
SALES REPRESENTATIVE: DATE: 04/18/05
I.E.R.

AS SHOWN

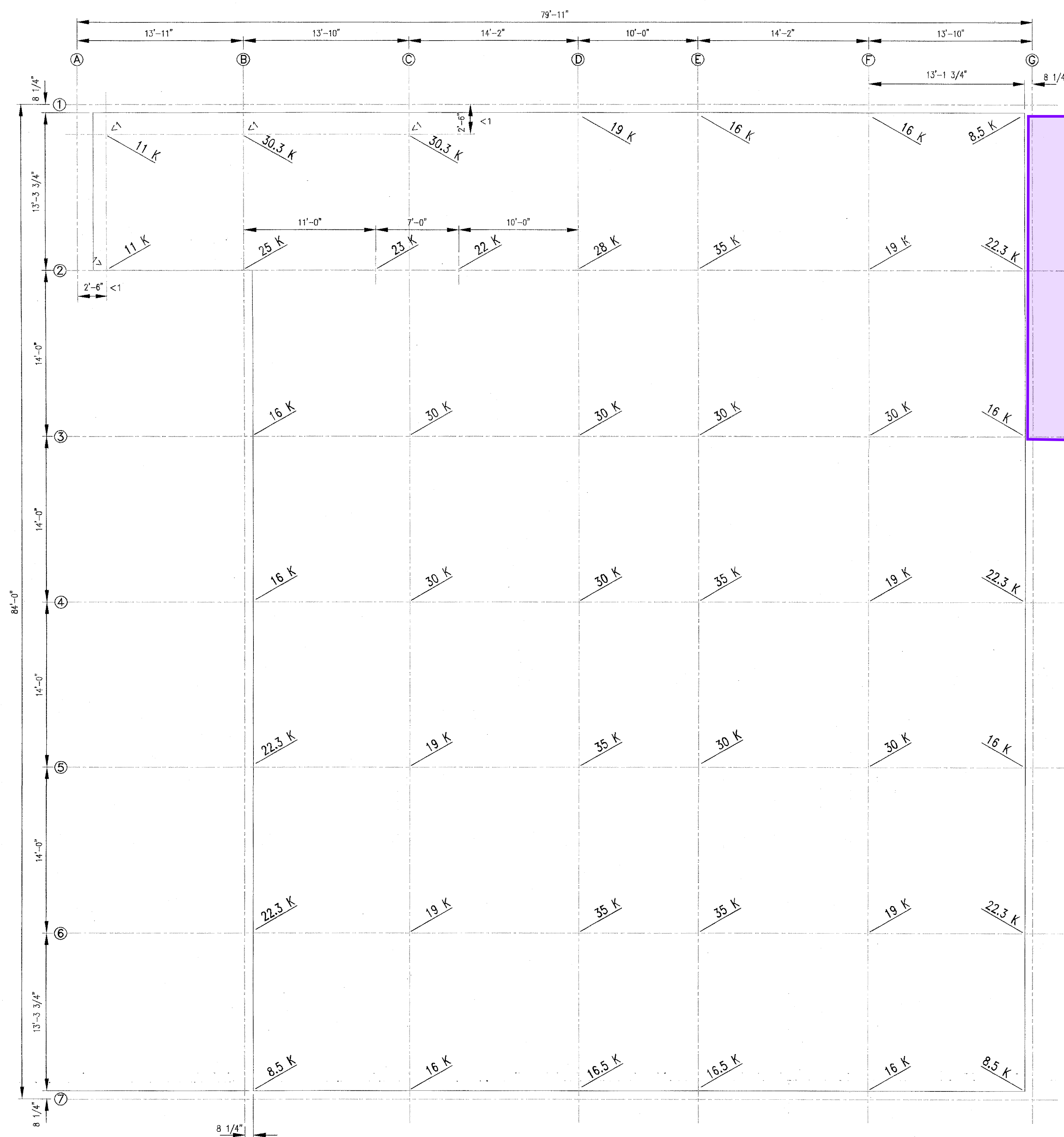
THE RYE CITY SCHOOL DISTRICT
ADDITION AND RENOVATIONS
AT MIDLAND ELEMENTARY SCHOOL
RYE, NEW YORK

STATE PROJECT NO. 65-18-00-01-0-003-016

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

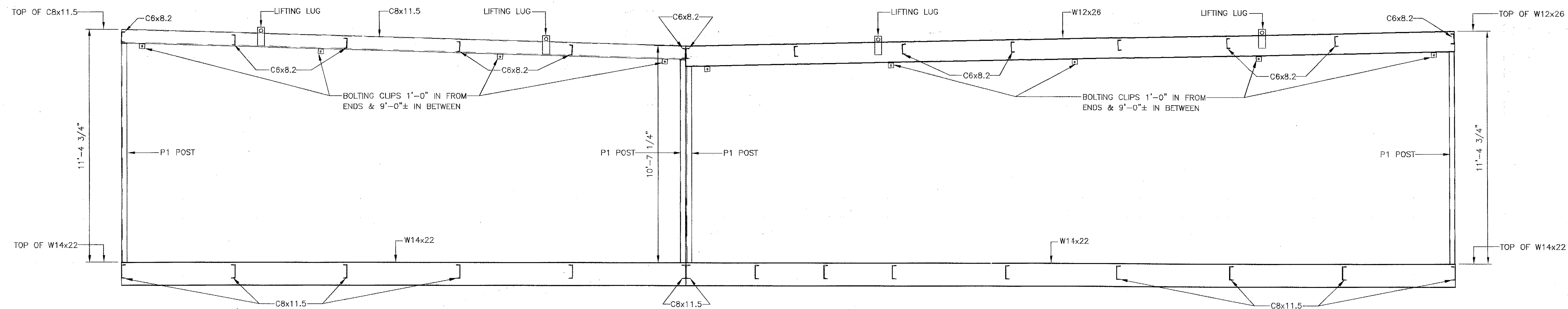
PROJECT # D04-039-C DRAWING # S1

E:\04\04-039 Rye District Schools\Midland Drawings\NRB Midland Finals\04-039-C-S1.dwg



POINT LOAD DIAGRAM
SCALE 3/16"=1'-0"

1.0 K = 1,000 LBS.

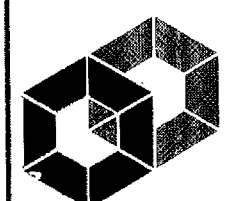


CROSS SECTION 1
SCALE 3/8"=1'-0"

"SPACE RESERVED FOR NEW YORK STAMP OF APPROVAL"

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.

NO.	DATE	REVISION
R & S Tavares Associates DESIGN :: CONSULTING :: PROJECT MANAGEMENT RALPH M. TAVARES, PE SILVANA M. TAVARES, AIA 3324 Santa Fe Street Riverbank, CA 95367 Tel: 209-863-8928 Fax: 209-863-8930 www.rstavares.com		

	NRB (USA) INC. modular building systems 440 Wenger Drive Ephrata, PA 17522 Phone: 717-733-1794 Fax: 717-733-2412
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DESIGNED BY K.J.F.T.	PROJECT COORDINATOR
SALES REPRESENTATIVE L.E.R.	DATE 04/18/05

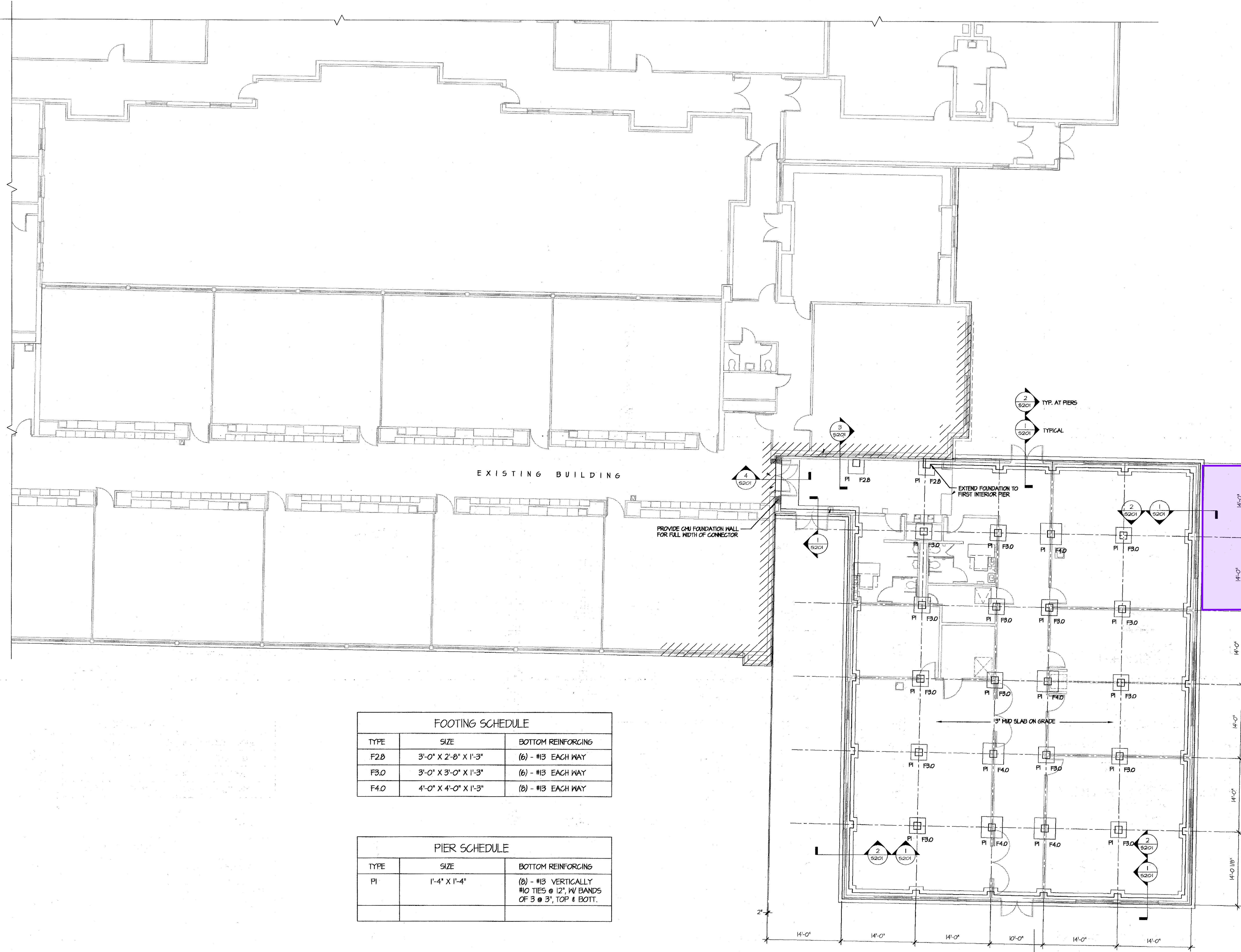
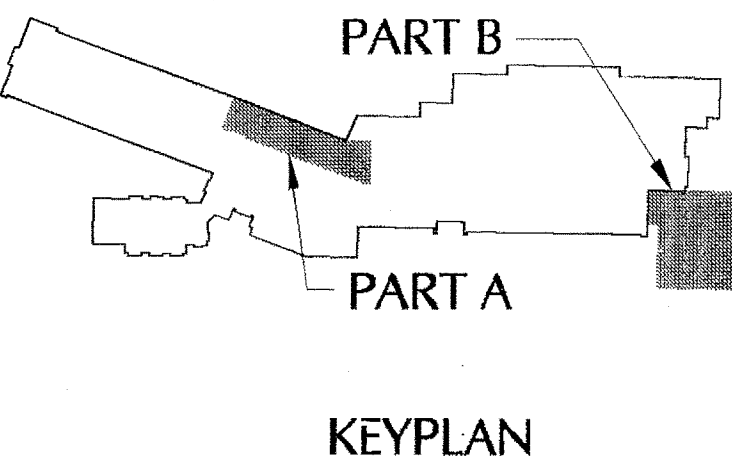
SCALE AS SHOWN

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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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.

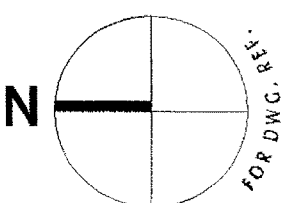


FOOTING SCHEDULE		
TYPE	SIZE	BOTTOM REINFORCING
F2B	3'-0" X 2'-8" X 1'-3"	(6) - #13 EACH WAY
F3.0	3'-0" X 3'-0" X 1'-3"	(6) - #13 EACH WAY
F4.0	4'-0" X 4'-0" X 1'-3"	(8) - #13 EACH WAY

PIER SCHEDULE		
TYPE	SIZE	BOTTOM REINFORCING
PI	1'-4" X 1'-4"	(8) - #13 VERTICALLY #10 TIES @ 12", 1/4" 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 (XX) RELATIVE TO FINISHED FLOOR ELEVATION. UNLESS OTHERWISE NOTED, ALL PERIMETER WALL AND EXTERIOR COLUMN FOOTINGS ARE AT (-5'-6").
4. 5.F. 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.

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



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



ARCHITECTURE/ENGINEERING/INTERIOR DESIGN

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

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

FOUNDATION PLAN PART "B"

0 4' 8' 16'
SCALE: 1/8" = 1'-0"

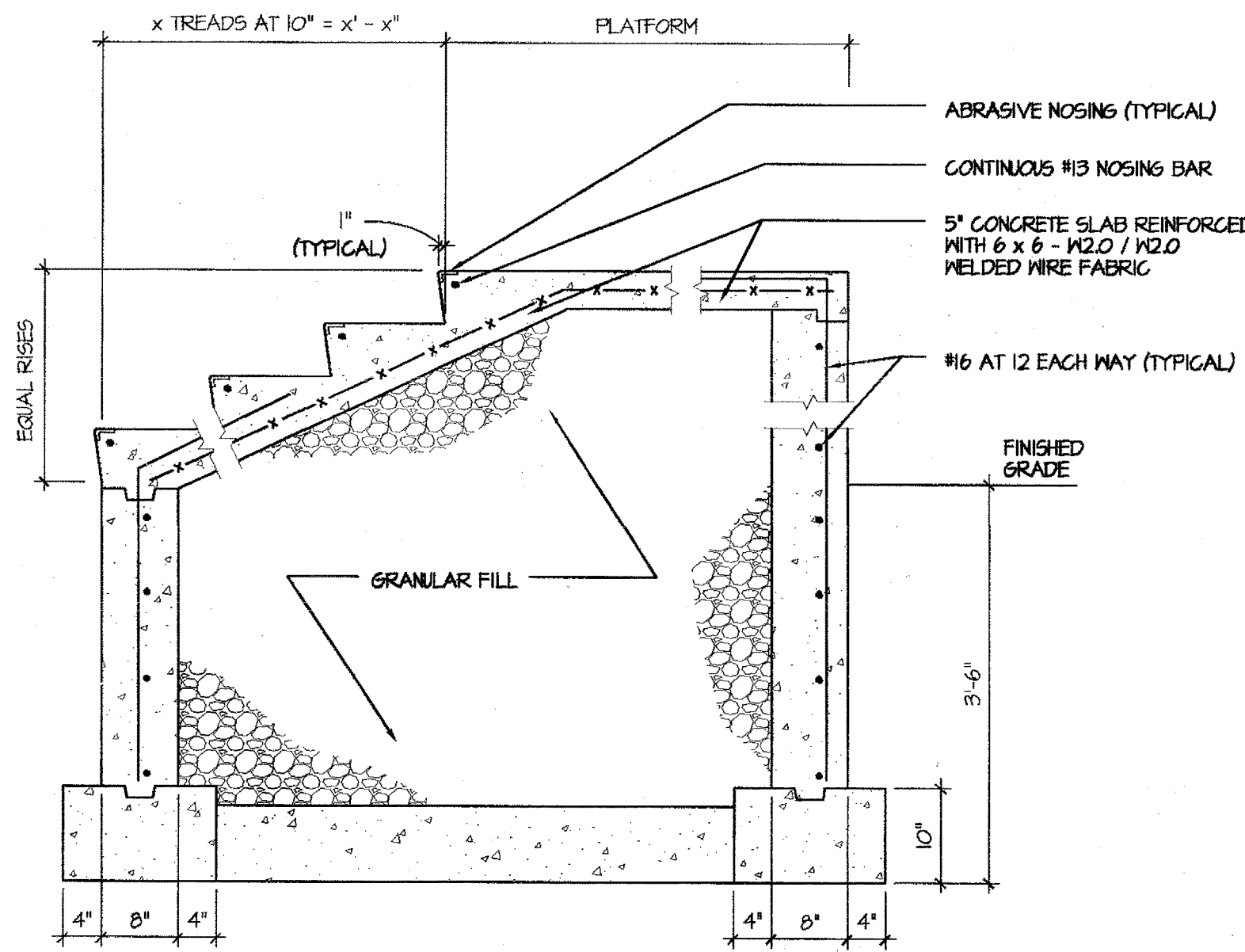
1/26/05 PER SED COMMENTS
DATE REVISION BY

NOVEMBER 30, 2004

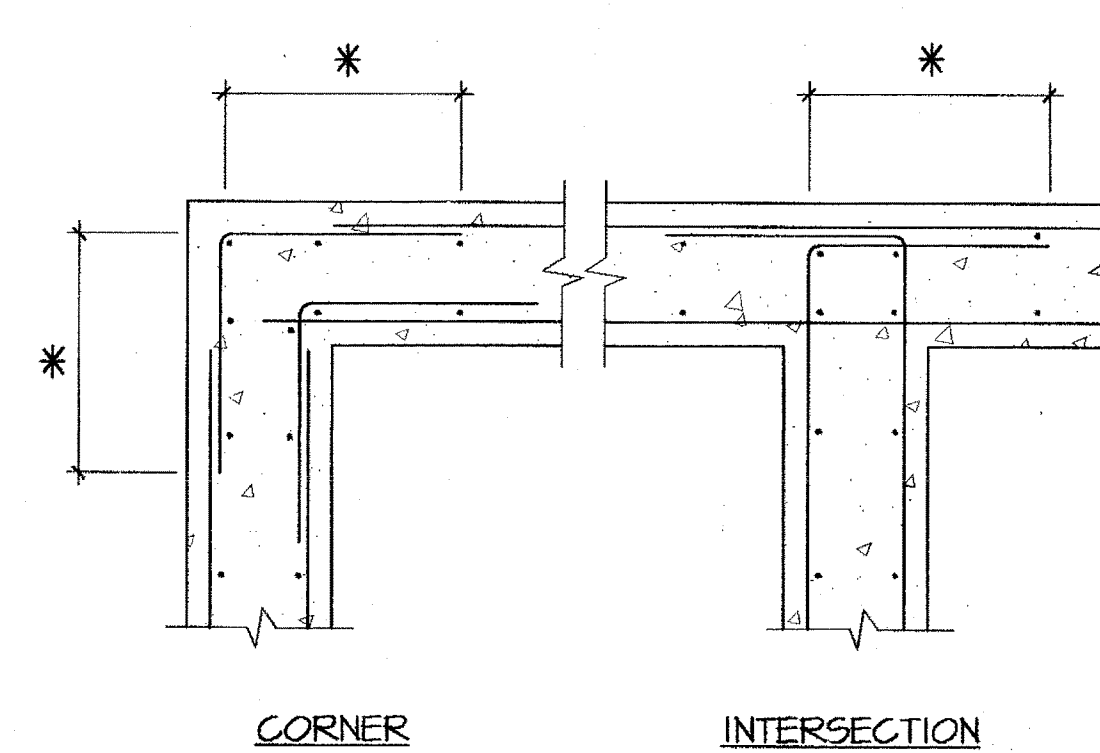
SCALE 1/8" = 1'-0"

PROJECT NO. S041140.06

DRAWING NO. S101

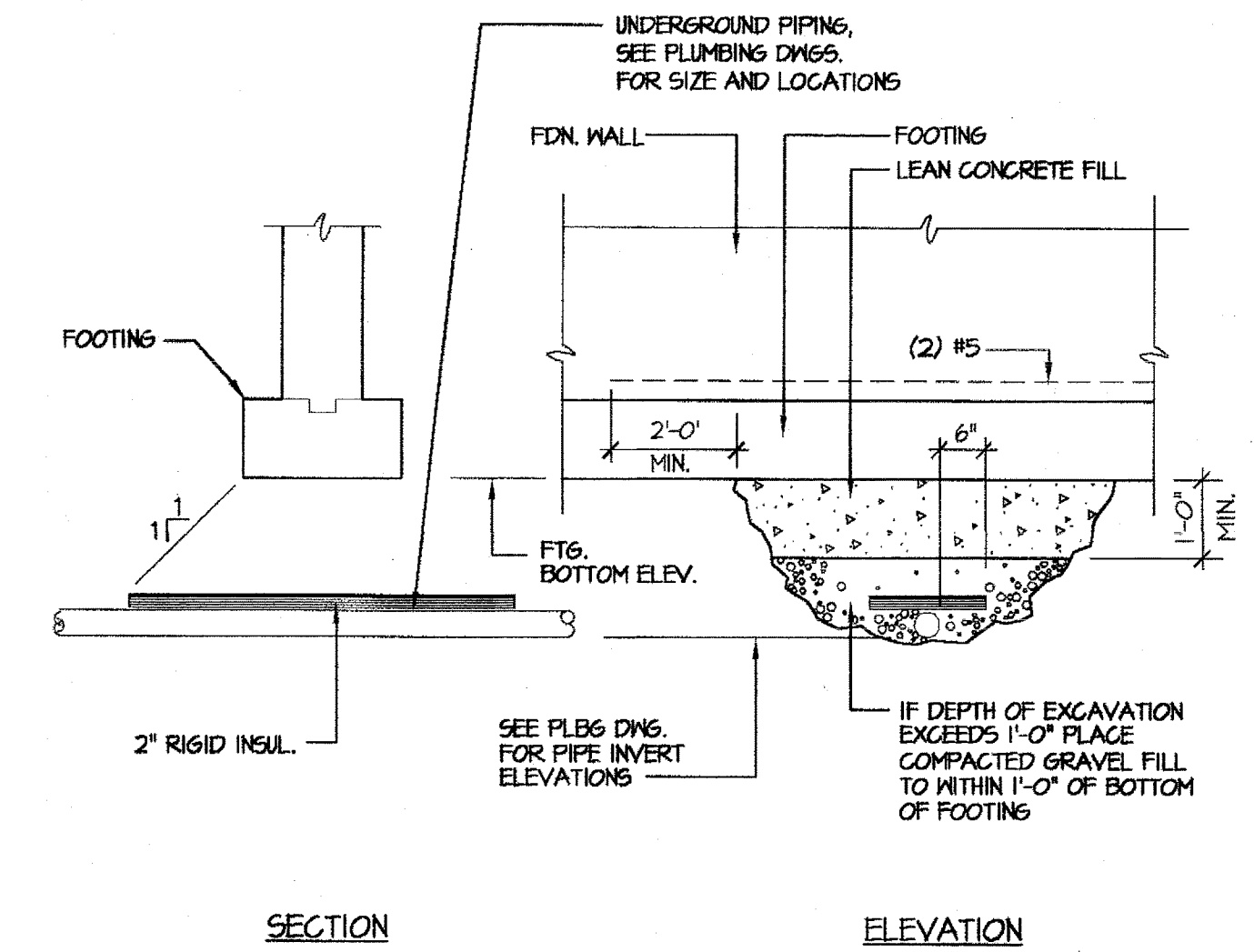


TYPICAL
CONCRETE STAIR REINFORCING
SCALE: 3/4"=1'-0"



- NOTES:
- * BAR SPLICES SHALL BE CLASS "B" LAP SPLICES.
 - DOVELS SHALL MATCH HORIZONTAL REINFORCING SIZE AND SPACING.

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

- 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.
- 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 PROCEDURE 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, GUTS OR TIEDOWNS WHICH MIGHT BE NECESSARY. SUCH MATERIAL SHALL REMAIN THE CONTRACTOR'S PROPERTY AFTER COMPLETION OF THE PROJECT.
- 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.
- IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO FOLLOW ALL APPLICABLE SAFETY CODES AND REGULATIONS DURING ALL PHASES OF CONSTRUCTION.
- SHOP DRAWINGS ARE TO BE CHECKED BY THE CONTRACTOR AND SUBCONTRACTOR AND BEAR CHECKER'S INITIALS BEFORE BEING SUBMITTED TO THE ARCHITECT FOR APPROVAL.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, ANGLES AND EXISTING CONDITIONS BEFORE PROCEEDING WITH ANY WORK.
- ALL SECTIONS AND DETAILS SHALL BE CONSIDERED TYPICAL AND APPLY FOR THE SAME AND SIMILAR SITUATIONS THROUGHOUT THE BUILDING, UNLESS OTHERWISE SPECIFICALLY NOTED.

FOUNDATIONS

- 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).
- 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.
- ALL SOIL SURROUNDING AND UNDER ALL FOOTINGS SHALL BE PROTECTED FROM FREEZING AND FROST ACTION DURING THE COURSE OF CONSTRUCTION.
- BOTTOM OF ALL EXTERIOR FOOTINGS SHALL BE AT LEAST 3'-6" BELOW FINISHED GRADE.
- 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".
- 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.
- KEEP FOUNDATION EXCAVATIONS FREE OF WATER AT ALL TIMES.
- USE LEAN CONCRETE (12-1500) OR CONTROLLED COMPACTED FILL FOR OVER-EXCAVATION OF FOOTINGS.
- PLACEMENT OF ALL COMPACTED FILL MUST BE UNDER SUPERVISION OF AN APPROVED TESTING LABORATORY (SEE SPECIFICATIONS). CONCRETE FOUNDATIONS SHALL NOT BE PLACED UNTIL SUBGRADE HAS BEEN CHECKED IN PLACE AND APPROVED BY TESTING LABORATORY.
- 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 318-04).
- WHERE REQUIRED, CONSTRUCTION JOINTS SHALL BE KEYED AND OCCUR AT CONTROL JOINT INTERVALS.
- SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF BRICK OR CONCRETE MASONRY BLOCK SHELF ELEVATIONS IN THE FOUNDATION WALLS.

CONCRETE

MATERIALS

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

LOCATION	STRENGTH (PSI)
FOUNDATIONS	3,000
WALLS	3,000
MUD SLAB ON GRADE	3,000

- 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.

- REINFORCING STEEL SHALL BE 60,000 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.

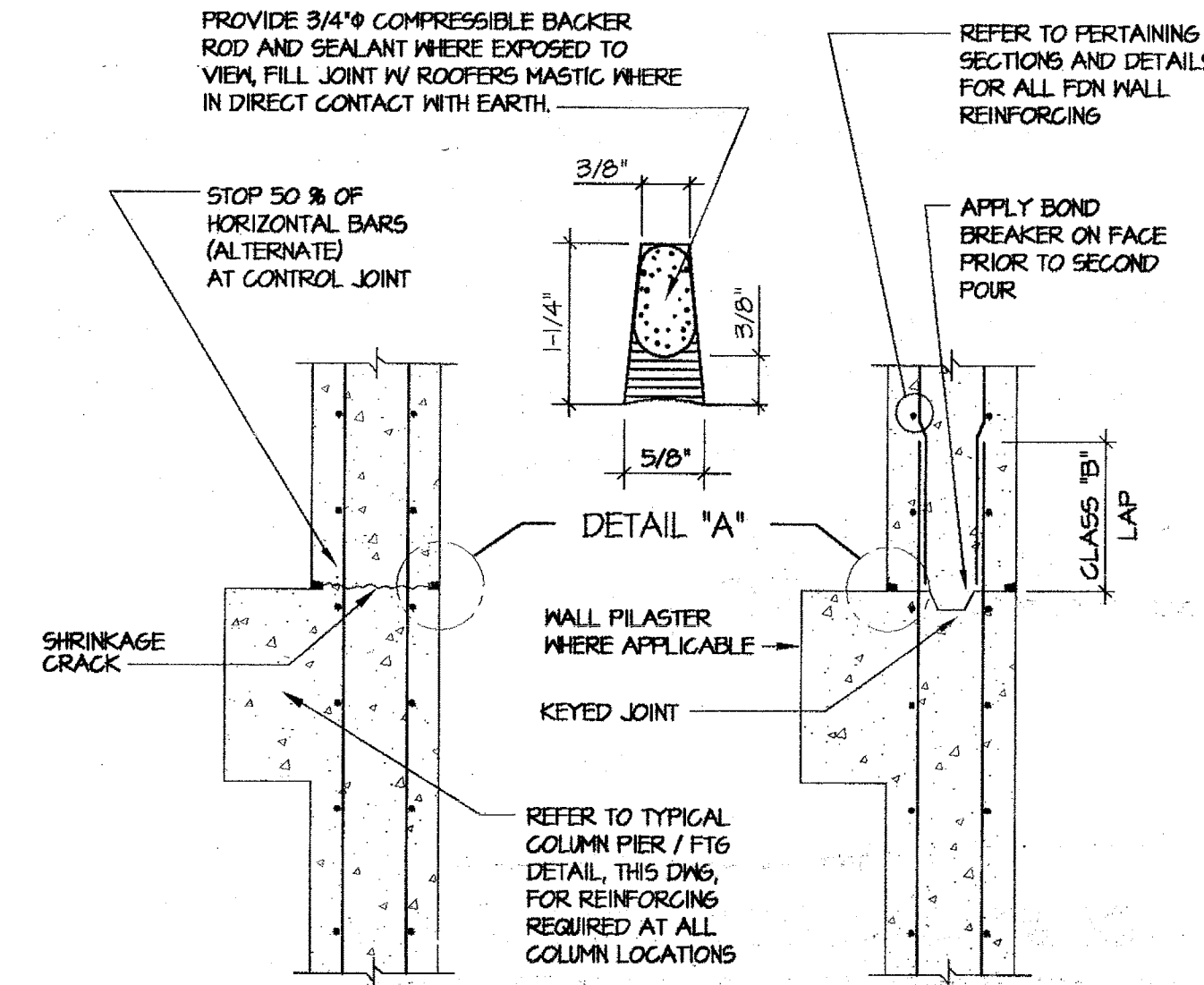
INCH BASED SIZE	SOFT METRIC DESIGNATION
#3	#10
#4	#13
#5	#16
#6	#19
#7	#22

- NO TACK WELDING OF REINFORCING WILL BE PERMITTED.
- UNLESS NOTED OTHERWISE, ALL LAP SPLICES SHALL BE CLASS B, IN ACCORDANCE WITH ACI 318-04.
- NO CALCIUM CHLORIDE OR ADMIXTURES CONTAINING MORE THAN 0.06 CHLORIDE BY WEIGHT OF ADMIXTURE SHALL BE USED IN THE CONCRETE.
- 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.
- PROVIDE CORROSION RESISTANT ACCESSORIES IN ALL EXPOSED CONSTRUCTION.
- ALL KEYS IN CONCRETE WALLS SHALL BE 2 X 4 UNLESS NOTED OTHERWISE.

- 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).
- SEE ARCHITECTURAL, MECHANICAL AND EQUIPMENT DRAWINGS FOR CONCRETE PADS, SLEEVES, OPENINGS, RECESSES, AND BUILT-IN WORK IN CONCRETE ELEMENTS.
- THE CONTRACTOR SHALL FURNISH, LOCATE AND INSTALL ALL ACCESSORIES FOR PROPER ANCHORAGE OF WOOD AND METAL FRAMING, WOOD BLOCKING, BRICK WORK AND MASONRY UNITS. HE SHALL BE SOLELY RESPONSIBLE FOR FURNISHING, LOCATING AND ENSURING PROPER QUANTITY OF ALL FASTENING DEVICES.
- ALL CONCRETE TO REMAIN EXPOSED TO VIEW SHALL RECEIVE A SMOOTH RUBBED FINISH (SEE SPECIFICATIONS).
- 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.
- PROVIDE CONTINUOUS VERTICAL DOVETAIL SLOTS AT 16 INCH CENTERS HORIZONTALLY FOR ALL CONCRETE WALLS ABUTTING A MASONRY WALL OR VENEER, UNLESS OTHERWISE NOTED.
- 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 (NO AND SMALLER)	1 1/2"
WALLS, EXTERIOR FACE (NO AND LARGER)	2"
SLABS (INTERIOR)	3/4"
SLABS (EXTERIOR)	1 1/2"
SLABS ON GRADE (PAV.)	US X THK. FROM TOP SURFACE

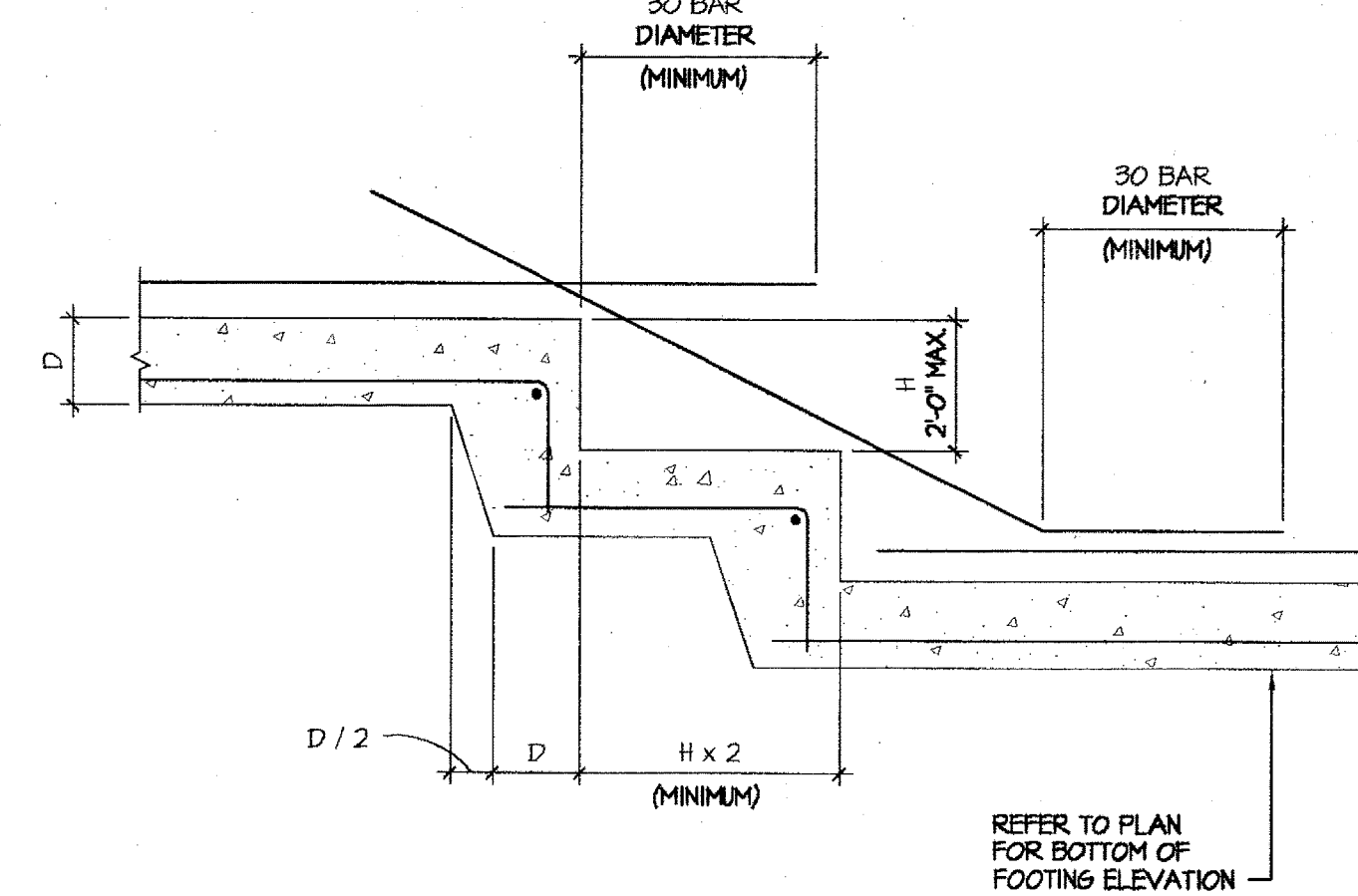
- PROVIDE THE FOLLOWING AT OPENINGS IN ALL CONCRETE UNLESS OTHERWISE INDICATED:
 - H-1#1 AT EACH FACE ON EACH SIDE OF OPENING, EXTENDING 2'-0" BEYOND OPENING.
 - H-1#1 x 4'-0" LONG AT EACH FACE DIAGONALLY AT EACH CORNER.
- REINFORCING STEEL SHOP DRAWINGS SHALL INDICATE THE SEQUENCE IN WHICH LAYERS OF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



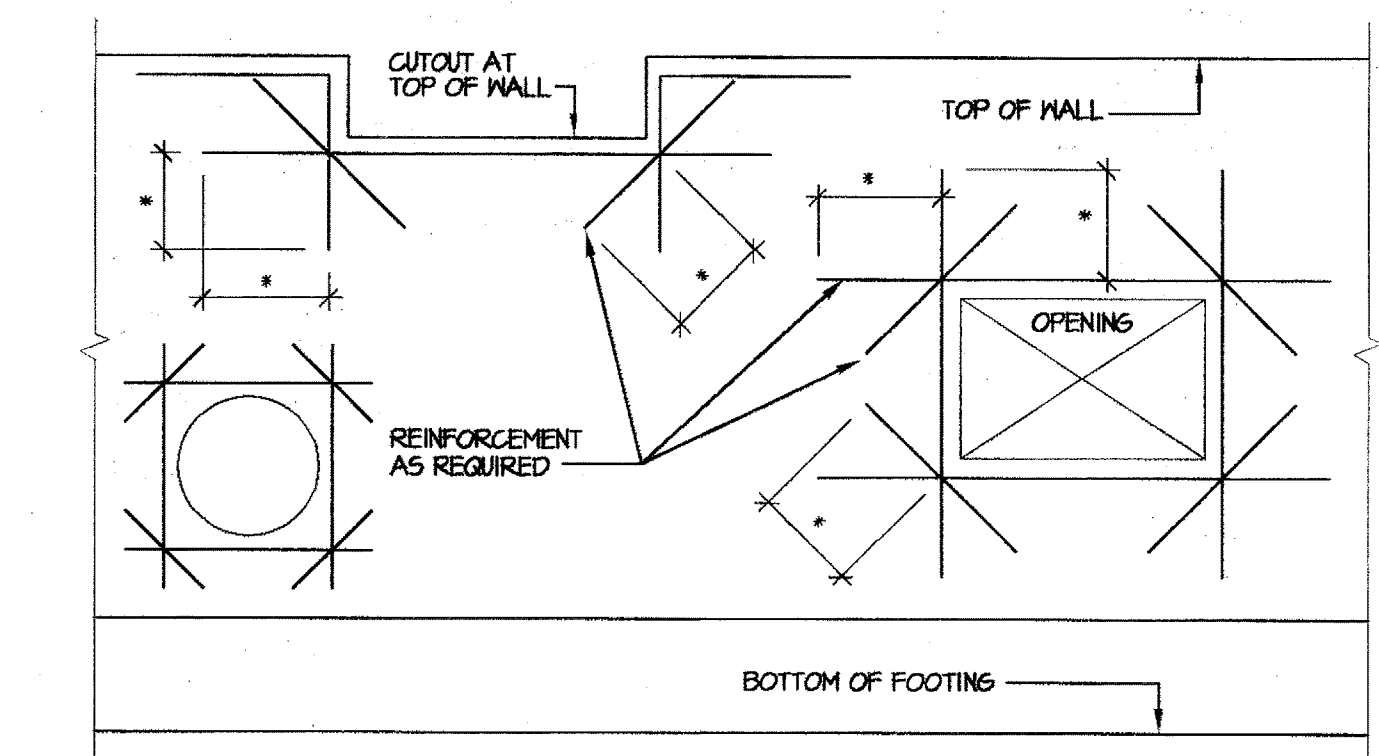
- NOTES: 1. C.J. - DENOTES CONTROL JOINT LOCATION ON FOUNDATION PLAN.
2. PROVIDE C.J.S. AT ALL WALL PILASTERS U20N. ON PLAN.
3. JOINT SHALL OCCUR FROM TOP OF FOOTING TO TOP OF WALL.

FOUNDATION WALL CONTROL / CONSTRUCTION JOINT DETAIL

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



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



- * BAR SPLICES SHALL BE CLASS "B" LAP SPLICES.
- REINFORCEMENT SHALL MATCH HORIZONTAL AND VERTICAL REINFORCEMENT SIZE (AT LEAST ONE #5 BAR AT LOCATIONS SHOWN) PROVIDE ONE ADDITIONAL BAR EACH FACE.
- APPLIES AT ALL RECTANGULAR OPENINGS 12" X 12" AND LARGER, AND CIRCULAR OPENINGS 12" Ø AND LARGER.
- COORDINATE OPENING AND PENETRATION SIZES AND LOCATIONS WITH ARCHITECTURAL AND MECHANICAL DWGS.

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

PROFESSIONAL SEAL

PROJECT MANAGER J.A.KIM
ARCHITECT/DESIGNER J.KANCRO
ENGINEER/DESIGNER W. McNulty, P.E.
DRAWN BY L. CZUBATY



FLETCHER
THOMPSON

ARCHITECTURE / ENGINEERING / INTERIOR DESIGN

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

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:

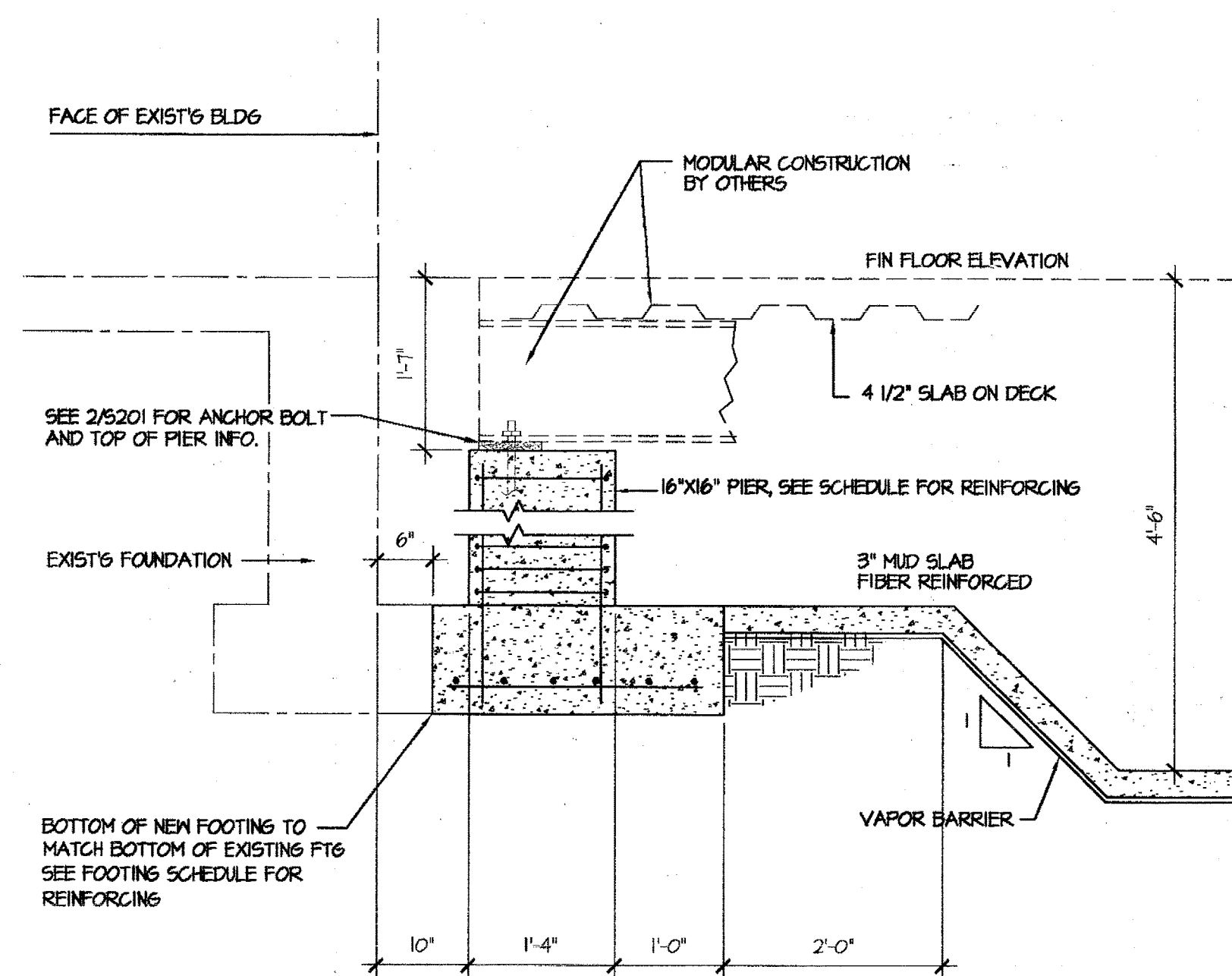
HOLLOW LOAD BEARING UNITS: ASTM C 90
 (COMPRESSIVE STRENGTH OF MASONRY, $f_m = 1500$ PSI)
 (COMPRESSIVE STRENGTH AT 28 DAYS = 2000 PSI)
 CONCRETE BRICK, (GRADE N-H) ASTM C 55

MORTAR, (TYPE S) ASTM C 270
 GROUT FOR REINFORCED MASONRY: ASTM C 476
 SOLID LOAD BEARING UNITS: (GRADE N-H) 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-HR VERTICAL BAR AT 8" ON CENTER
 1-HR 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 UNTEL SCHEDULE OR ARCHITECTURAL DRAWINGS.
 STANDARD LADDER TYPE DESIGN MAXIMUM 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 BOLT 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, COLUMNS 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:

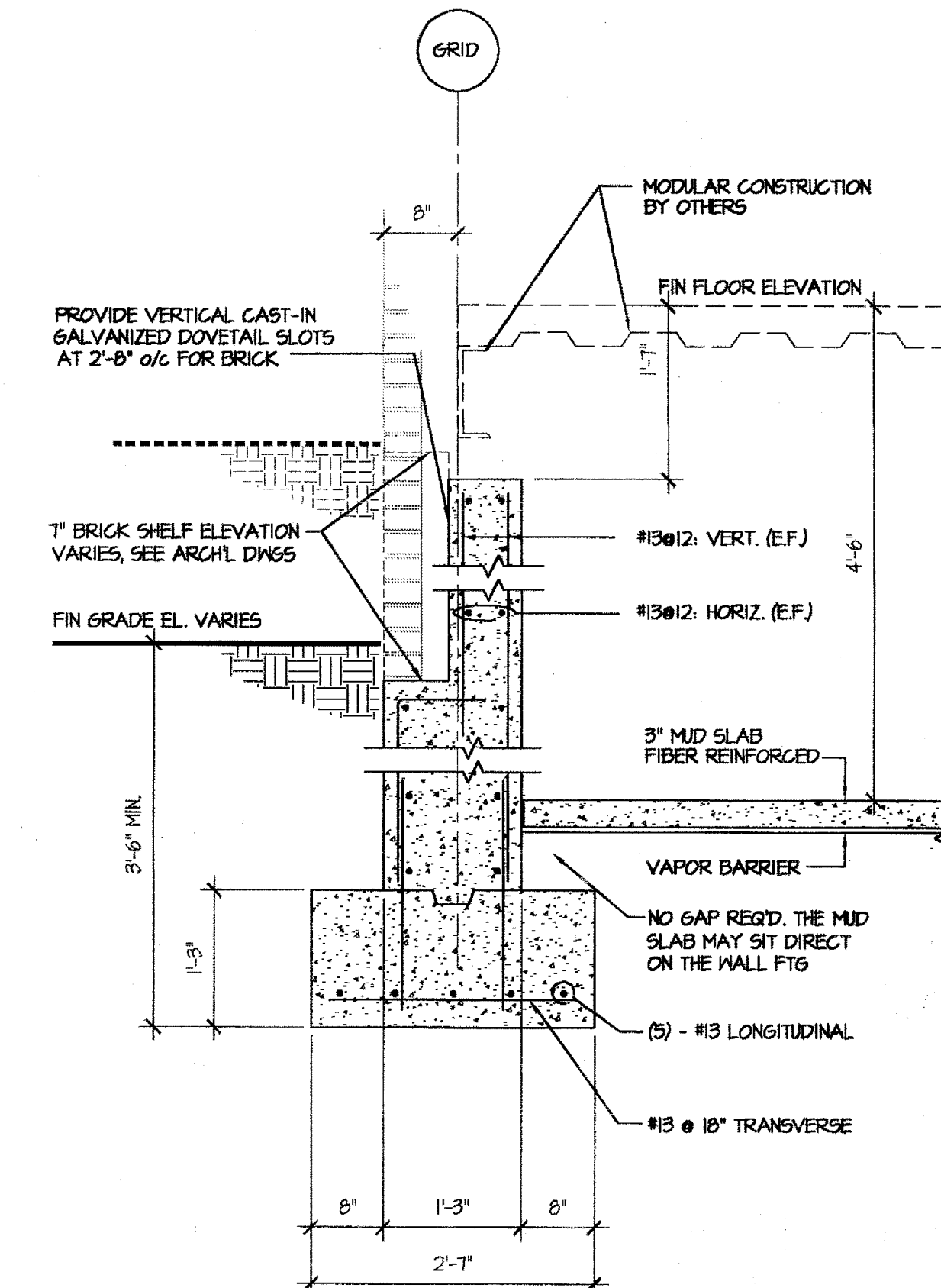
BAR SIZE	DEVELOPMENT LENGTH	SPLICE LENGTH
#5	18"	24"
#6	23"	30"
#8	27"	36"
#9	32"	42"

- ALL REBAR SIZES SPECIFIED ARE SOFT METRIC DESIGNATIONS.



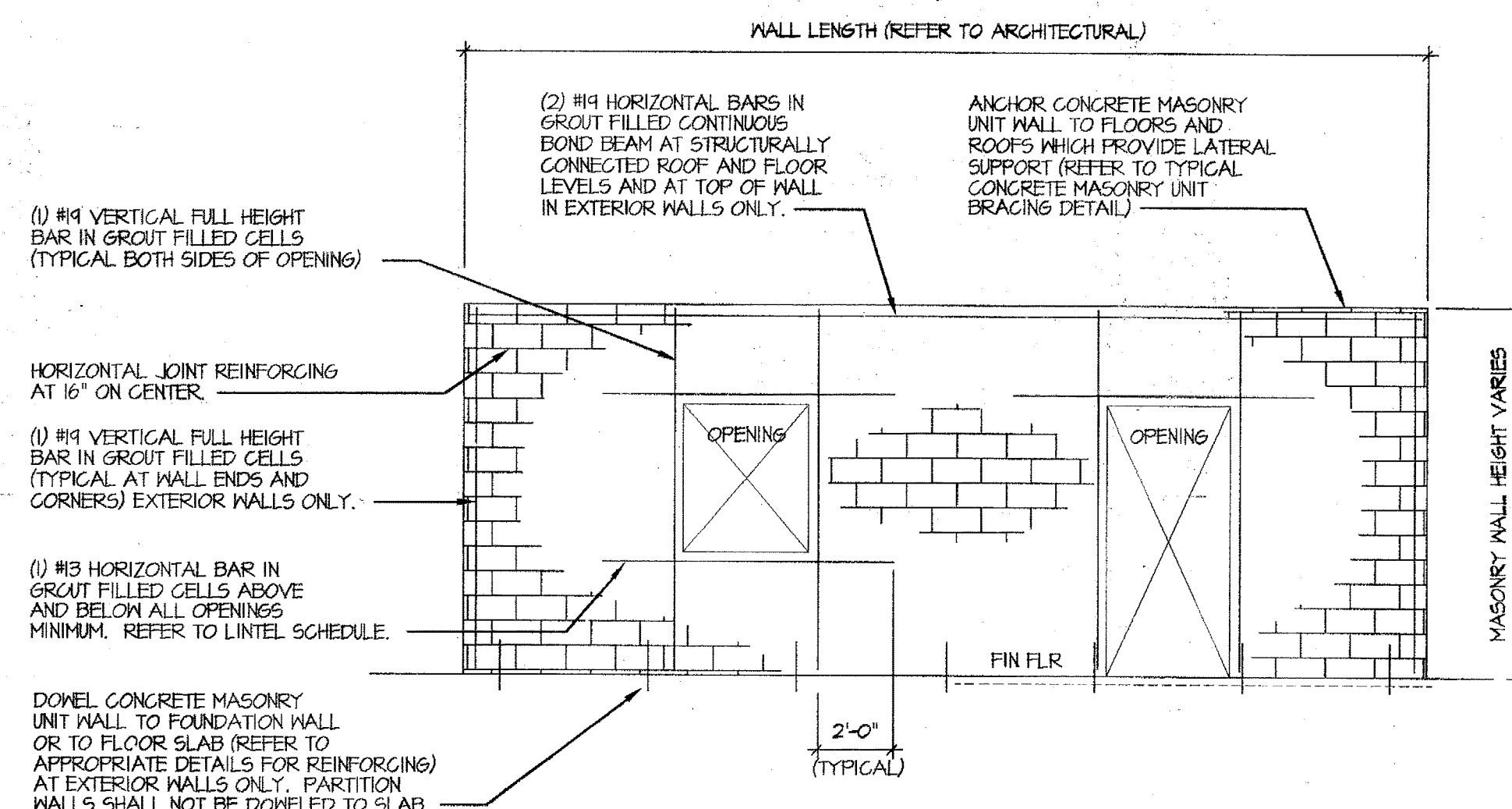
NOTE: ALL REBAR SIZES SHOWN ARE SOFT METRIC SIZES

3
5201
FOOTING AT EXISTING BUILDING
SCALE: 3/4" = 1'-0"



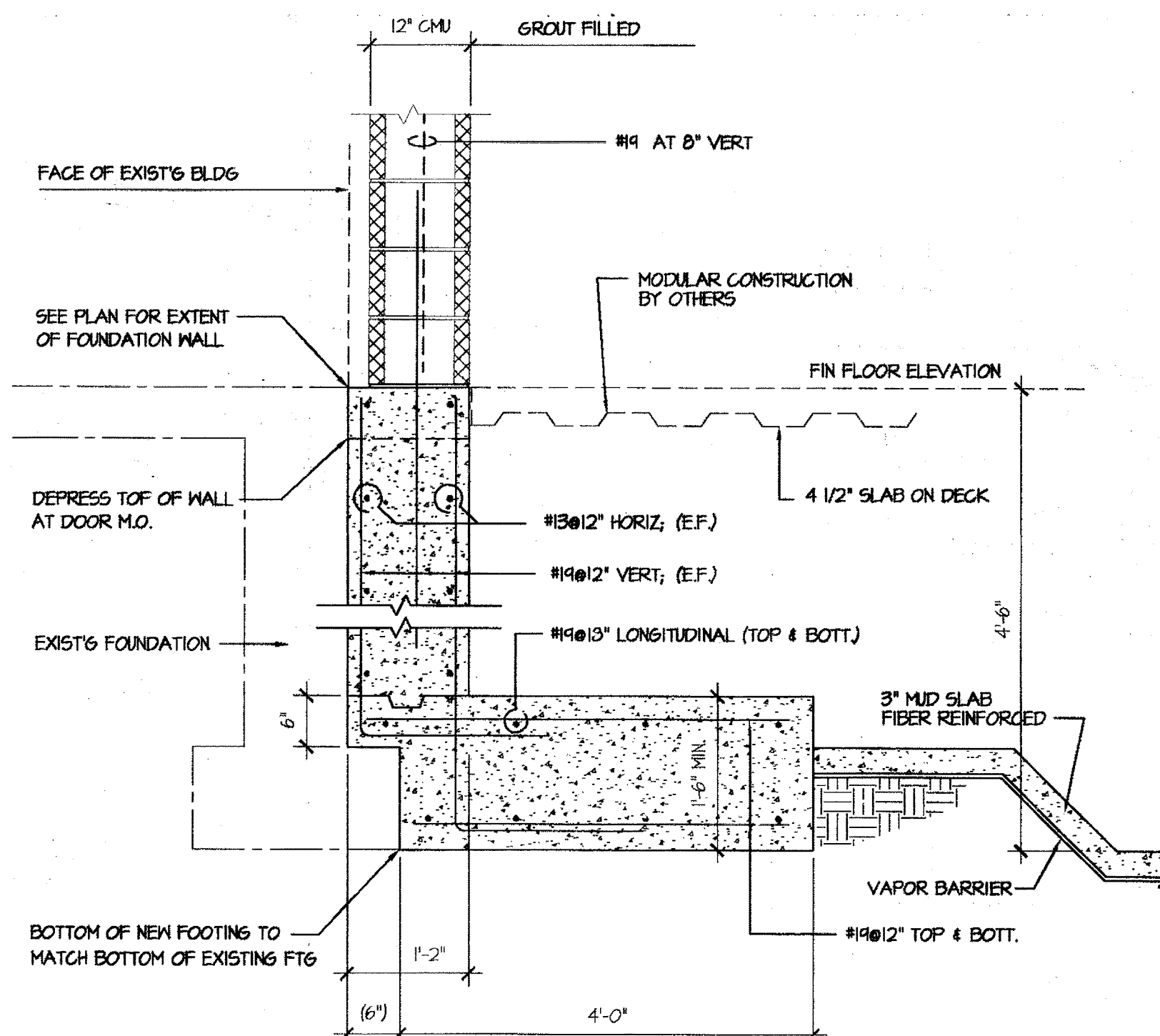
NOTE: ALL REBAR SIZES SHOWN ARE SOFT METRIC SIZES

1
5201
PERIMETER FOUNDATION WALL
SCALE: 3/4" = 1'-0"



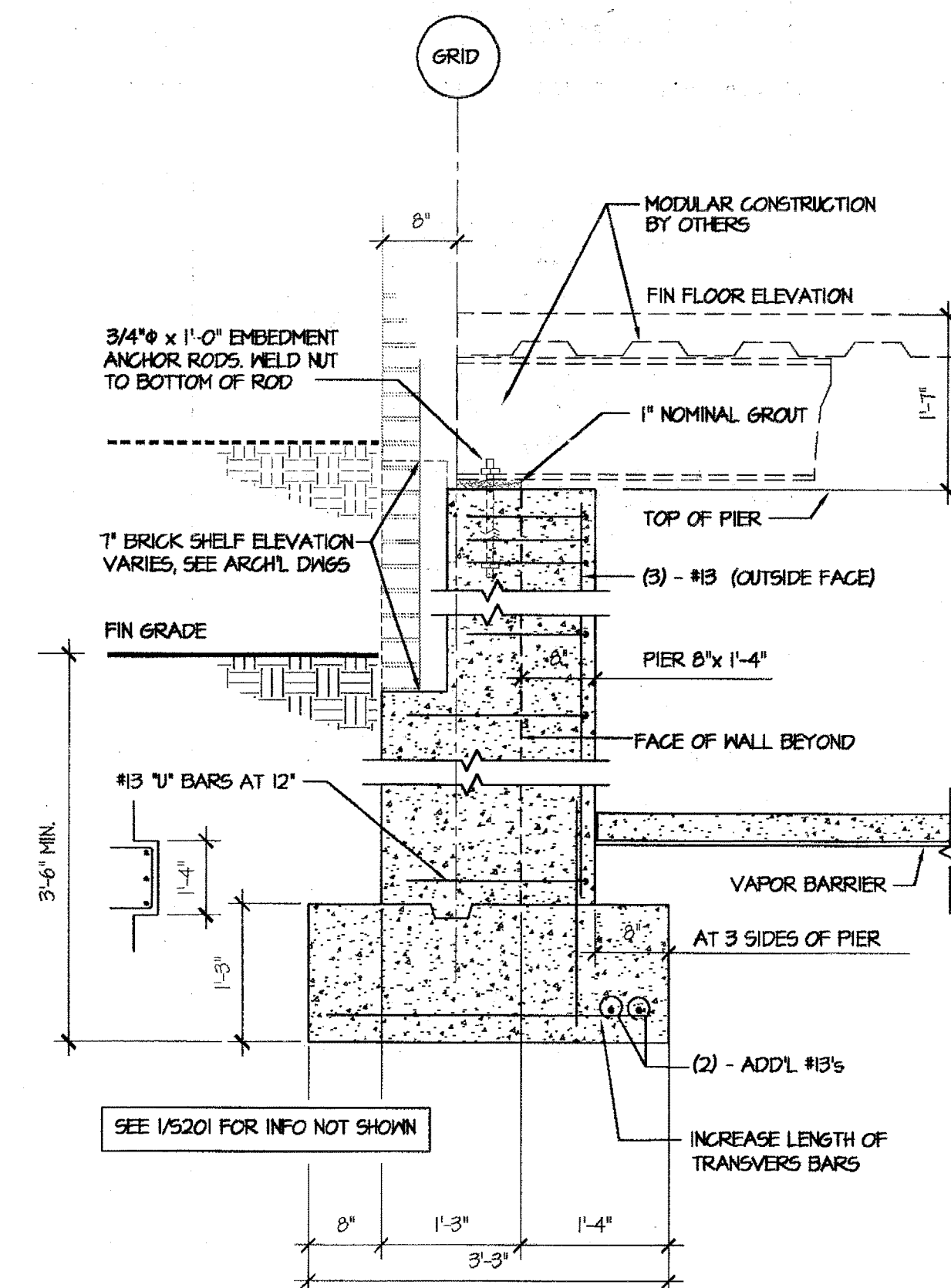
NOTE:
 INTERIOR PARTITION WALLS NEED ONLY HAVE HORIZONTAL JOINT REINFORCING AND HORIZONTAL AND VERTICAL BARS AT OPENINGS. INTERIOR PARTITIONS NEED NOT HAVE VERTICAL BARS AT UNIFORM SPACING, DOWELS TO SLAB, OR HORIZONTAL BOND BEAMS.

5
5201
CMU WALLS / MINIMUM REINFORCING
SCALE: 3/4" = 1'-0"



NOTE: ALL REBAR SIZES SHOWN ARE SOFT METRIC SIZES

4
5201
CMU FIREWALL FOUNDATION
SCALE: 3/4" = 1'-0"



NOTE: ALL REBAR SIZES SHOWN ARE SOFT METRIC SIZES

2
5201
PIER AT MODULAR JOINTS
SCALE: 3/4" = 1'-0"

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PROFESSIONAL SEAL

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 ENGINEER/DESIGNER: W. McNULTY, P.E.
 DRAWN BY: L. CZUBATY



FLETCHER THOMPSON

ARCHITECTURE / ENGINEERING / INTERIOR DESIGN

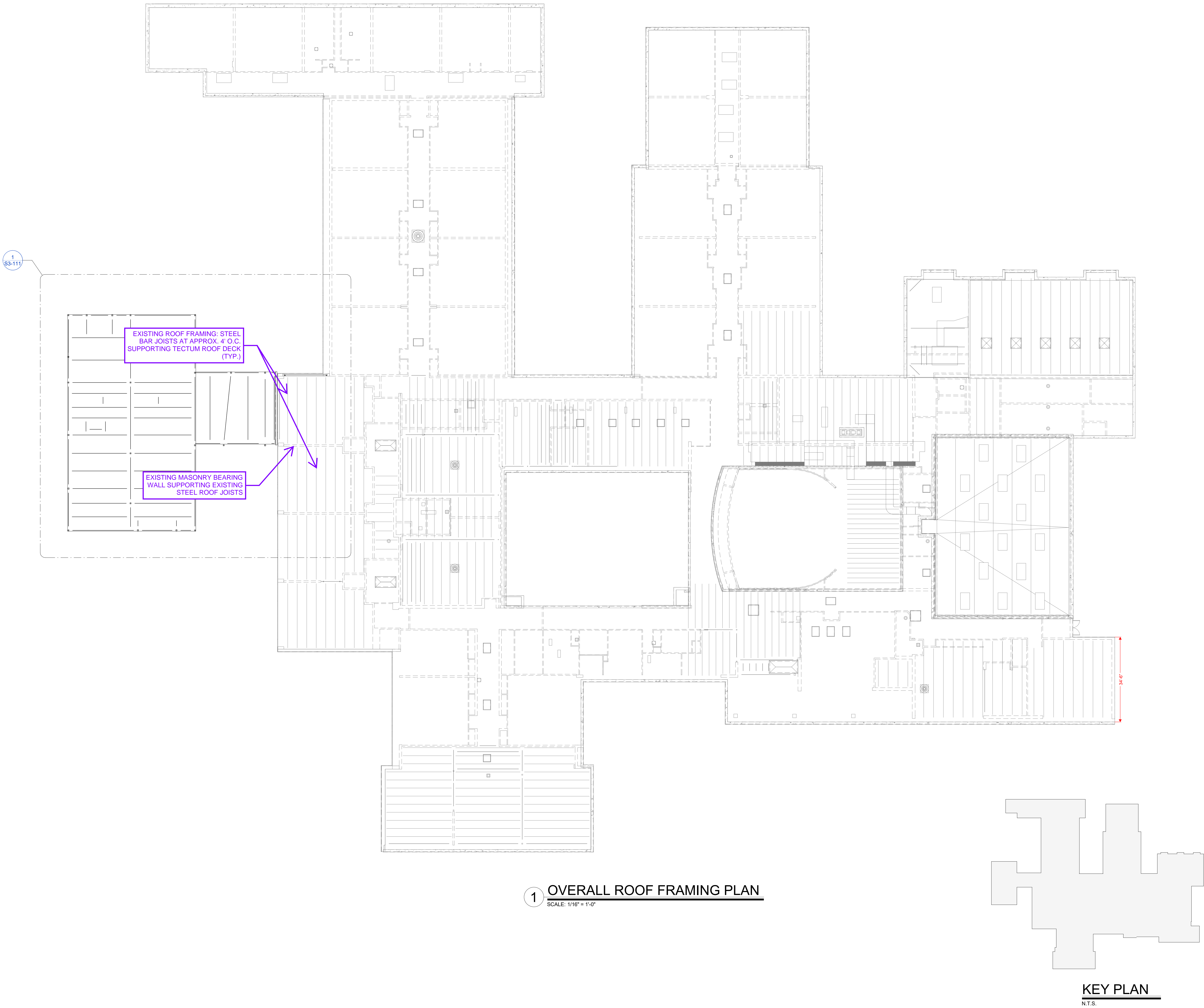
FLETCHER-THOMPSON, INC.
 THREE CORPORATE DRIVE
 SHELTON, CT 06484-6244

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
 NO DATE REVISION BY
 DATE
 NOVEMBER 30, 2004
 SCALE
 AS NOTED
 PROJECT NO.
 SO41140.06
 DRAWING NO.

S201



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

KEY PLAN
N.T.S.

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

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SED#: 6618-0001-0001-024

PROJECT

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Osborn Elementary School

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OVERALL ROOF FRAMING PLAN

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