FOOTING SCHEDULE

TYPE	W	L	D	REINFORCING
I	3'-6"	3'-6"	20"	plain
II	2'-6"	2'-6"	15"	"
III	3'-0"	3'-0"	18"	"
IV	3'-8"	3'-8"	20"	plain
V	4'-4"	4'-4"	15"	8-#4 bot. ea. way
VI	6'-6"	6'-6"	18"	13-#6 bot. ea. way
VII	5'-6"	5'-6"	18"	11-#4 bot. ea. way
VIII	4'-4"	6'-4"	18"	8-#6 long way 12-#4 short way
IX	7'-4"	7'-4"	18"	14-#6 bot. ea way
X	4'-6"	3'-6"	18"	7-#4 short way 6-#4 long way
XI	7'-0"	7'-0"	18"	14-#6 bot. ea. way
XII	6'-0"	6'-0"	18"	12-#6 bot. ea. way
XIII	5'-3"	5'-3"	18"	10-#4 bot. ea. way
XIV	4'-8"	4'-8"	18"	9-#4 bot. ea. way

To the best of my knowledge and belief the materials and construction indicated on these drawings will conform to the requirements of the structural regulations for schoolhouses Chapter 596, Acts of 1960, March 25, 1961

Registered Engineer for Albee, Harrold & Hirth

COMMONWEALTH OF MASSACHUSETTS · HERBERT J. ALBEE #6233 · REGISTERED · PROFESSIONAL ENGINEER

ALBEE, HARROLD & HIRTH
ENGINEERING CONSULTANTS
166 FORBES RD., BRAINTREE, MASS. 02184

SCHOOL & CONVENT - FOUND. & FIRST FL. FRAMING PLAN

REGISTERED ARCHITECT · OLIVER W. FONTAINE · No. 915 · BOSTON, MASS. · COMMONWEALTH OF MASSACHUSETTS

NEW SCHOOL & CONVENT
FOR SISTERS OF STE. CHRETIENNE
LORING AVE. SALEM, MASS.
OLIVER W. FONTAINE, ARCHITECT
PROVIDENCE, R.I. WRENTHAM, MASS.

JOB NO.	[illegible]
DRAWN BY	[illegible]
CHECKED BY	[illegible]
DATE	[illegible]
DWG NO.	S-1

SECOND FLOOR & ROOF FRAMING PLAN

Scale: 1/8"=1'-0"

NOTES:

1. See Dwg. No. S-6 for SECTIONS
2. See Dwg. No. S-8 for Column Schedule
3. All Roof openings shall have 3x3x1/4 L frames on 4 sides.

COMMONWEALTH OF MASSACHUSETTS — HERBERT J. ALBEE #6233 — REGISTERED PROFESSIONAL ENGINEER

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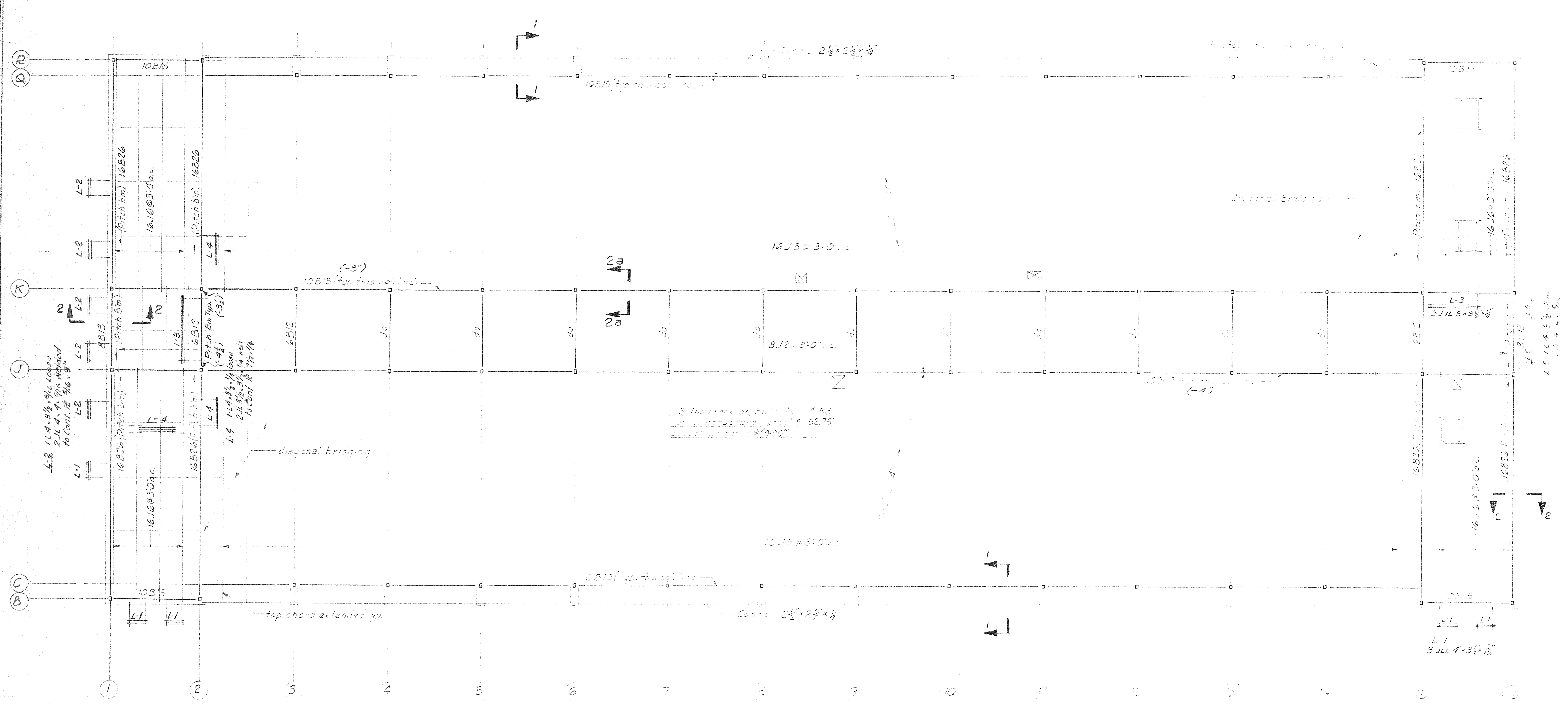
REGISTERED ARCHITECT — OLIVER W. FONTAINE — No. 915 — BOSTON, MASS. — COMMONWEALTH OF MASSACHUSETTS

SCHOOL & CONVENT SECOND FL. ROOF FRAMING PLAN	
NEW SCHOOL & CONVENT	JOB 6302
FOR SISTERS OF STE. CHRETIENNE	DRAWN BY AHH
LORING AVE. SALEM, MASS.	CH'K'D BY HJA
	DATE MAY 1964
OLIVER W. FONTAINE, ARCHITECT PROVIDENCE, R.I. WRENTHAM, MASS.	DWG. NO. S-2



ROOF FRAMING PLAN

Notes:
1. See Dwg. No. S-6 for Sections
2. See Dwg. No. S-8 for Column Schedule
3. All Roof openings shall have 3×3×¼ L frames on 4 sides

HERBERT J. ALBEE #6233 REGISTERED PROFESSIONAL ENGINEER COMMONWEALTH OF MASSACHUSETTS

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SCHOOL & CONVENT	ROOF FRAMING PLAN		
REGISTERED ARCHITECT OLIVER W. FONTAINE No. 315 BOSTON, MASS. COMMONWEALTH OF MASSACHUSETTS	NEW SCHOOL & CONVENT FOR SISTERS of STE. CHRETIENNE LORING AVE. SALEM, MASS.	JOB NO.	630[illegible]
		DRAWN BY	AHH
		CHK'D BY	HJA
		DATE	MAY 196[illegible]
	OLIVER W. FONTAINE, ARCHITECT PROVIDENCE R.I. WRENTHAM, MASS.	DWG NO.	S-3

NOTES:
1. See Dwg. No. S-6 for Sections
2. See Dwg. No. S-8 for Column Schedule
3. All Roof openings shall have 3x3x1/4 L frames on 4 sides

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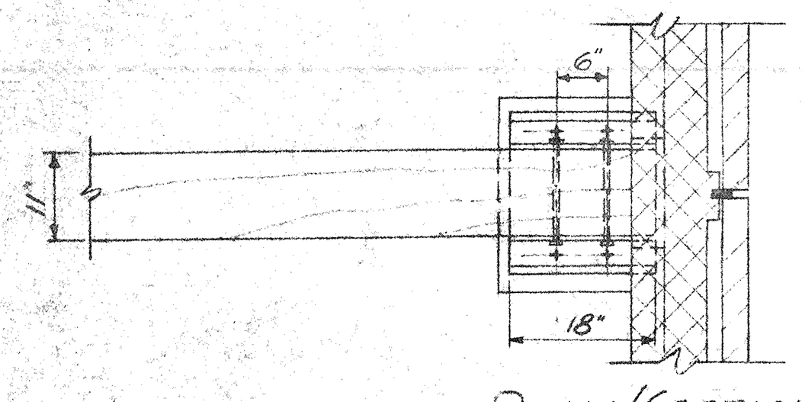
COMMONWEALTH OF MASSACHUSETTS · HERBERT J. ALBEE #6233 · REGISTERED PROFESSIONAL ENGINEER

REGISTERED ARCHITECT · OLIVER W. FONTAINE · No. 915 · BOSTON, MASS. · COMMONWEALTH OF MASSACHUSETTS

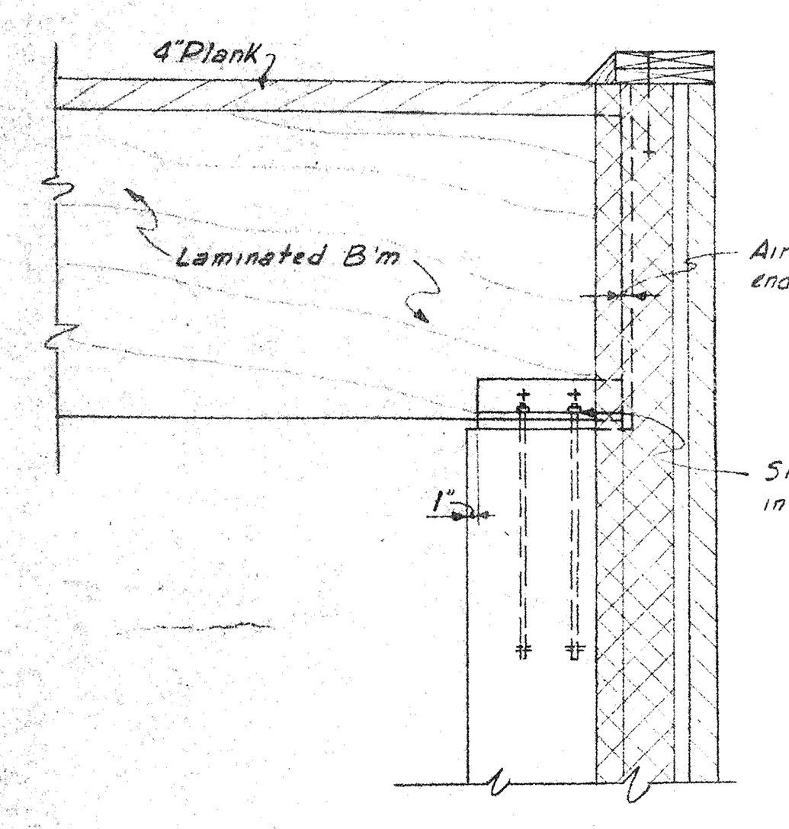
SCHOOL & CONVENT-SECOND & THIRD & ROOF FR'G PLAN		
NEW SCHOOL & CONVENT	JOB No.	6302
FOR SISTERS OF STE. CHRETIENNE	DRAWN BY	AHH
LORING AVE. SALEM, MASS.	CHECKED BY	HJA
	DATE	MAY 1964
OLIVER W. FONTAINE ARCHITECT PROVIDENCE, R.I. WRENTHAM, MASS.	DWG. No.	S-4



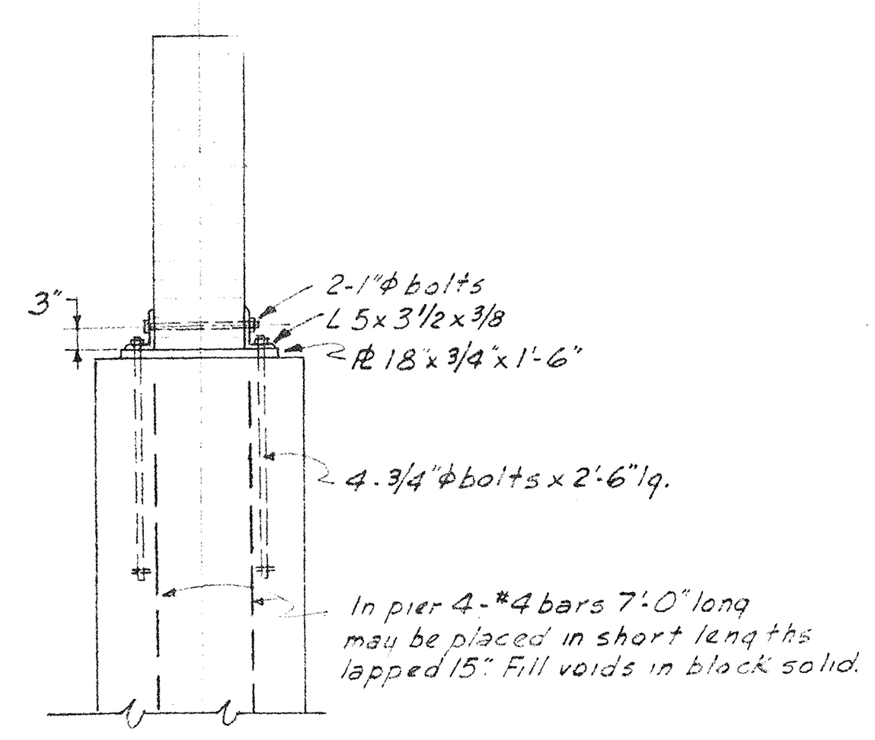
PLAN (SECTION 1-1)
Scale: 1/2"=1'-0"

LINTEL SCHEDULE

MARK	SIZE	REMARKS
L-1	3 LL 4 x 3 1/2 x 5/16 weld to Cont. PL 5/16 x 14	
L-2	3 LL 4 x 3 1/2 x 1/4 weld to Cont. PL 1/4 x 12	
L-3	3 LL 4 x 3 1/2 x 1/4 weld to Cont. PL 1/4 x 14	
L-4	3 LL 5 x 3 1/2 x 5/16	
L-5	3 LL 5 x 3 1/2 x 1/4	
L-6	2 LL 4 x 3 1/2 x 1/4	



SECTION 1-1
Scale: 1/2"=1'-0"



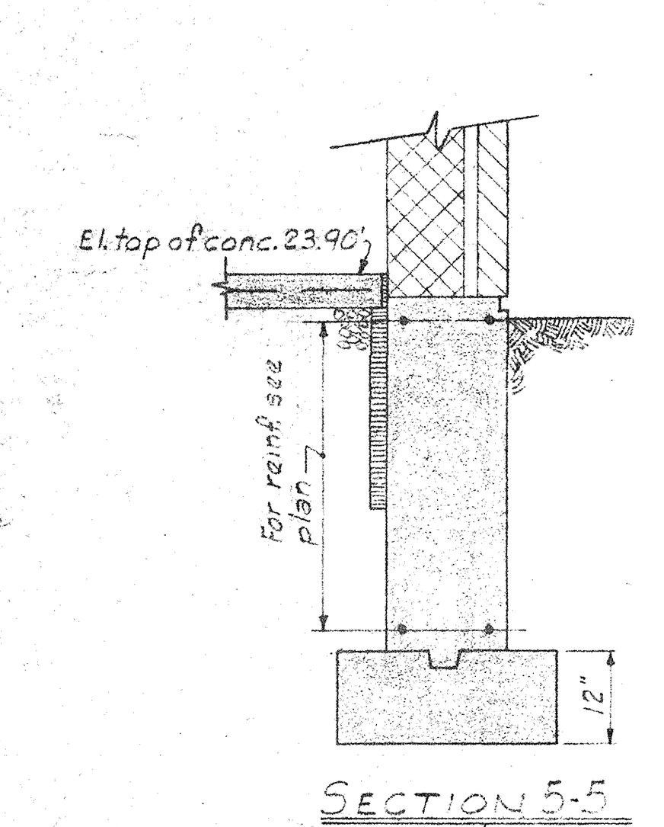
SECTION 2-2
Scale: 1/2"=1'-0"

Similar to SECTION 1-1

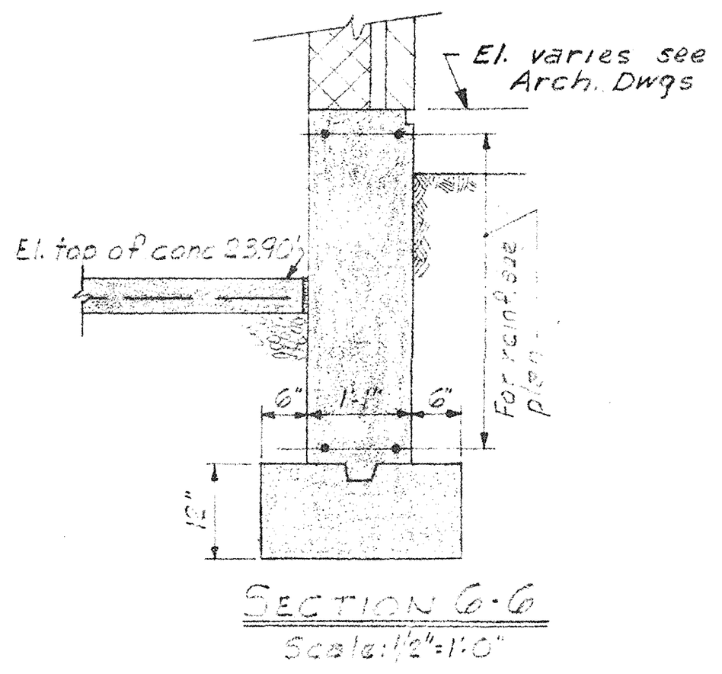
SECTION 3-3
Scale: 1/2"=1'-0"

Similar to SECTION 2-2

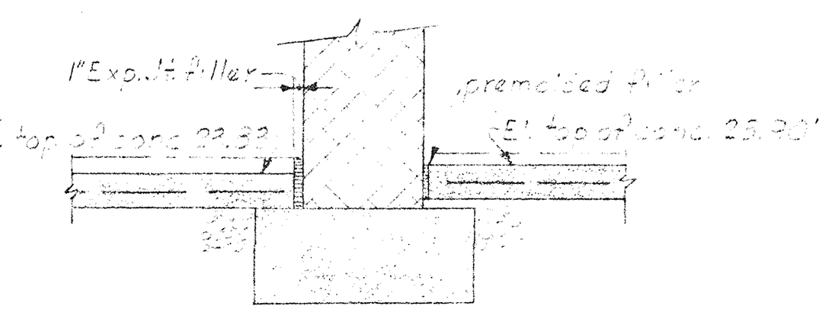
SECTION 4-4
Scale: 1/2"=1'-0"



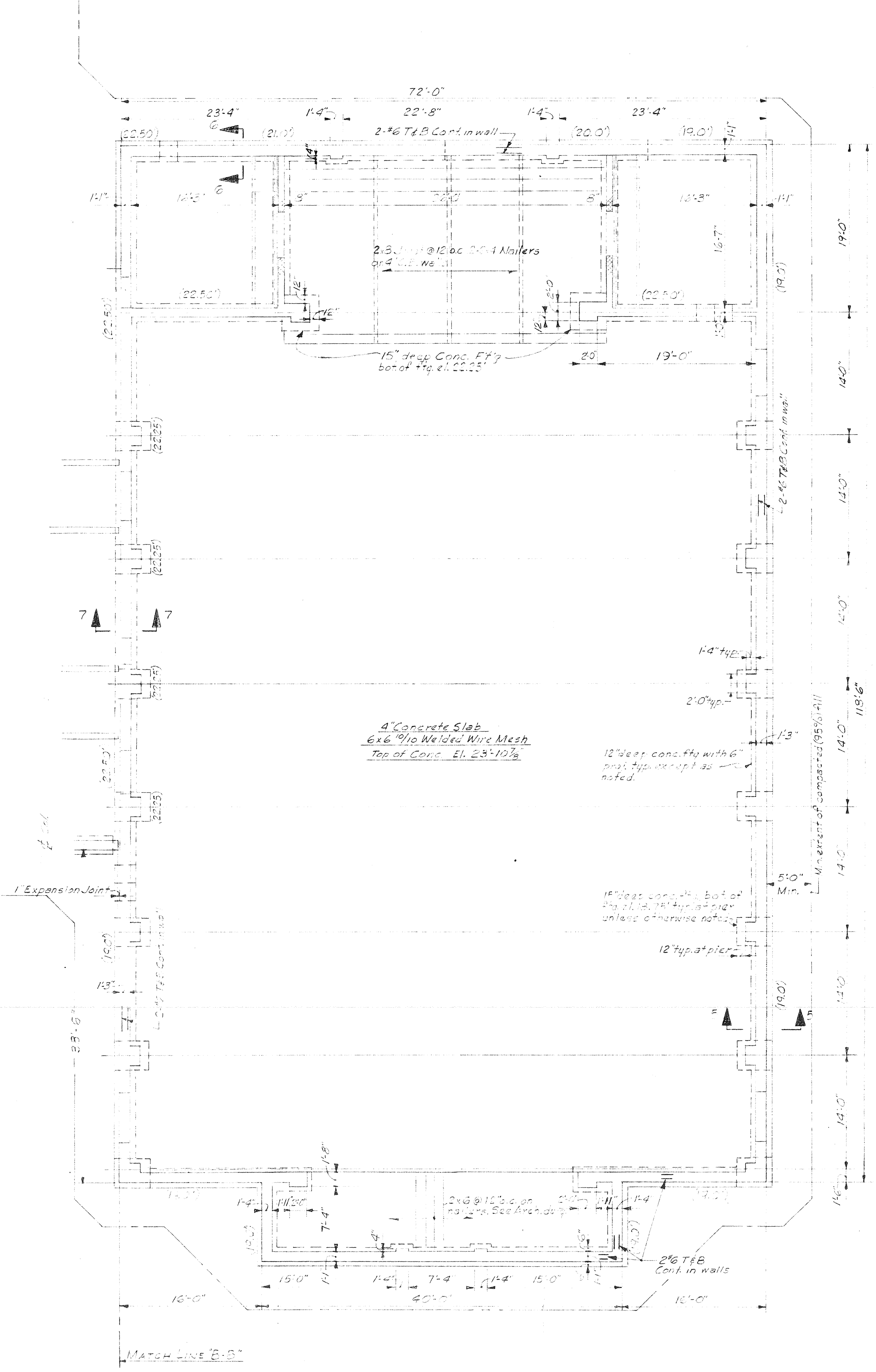
SECTION 5-5
Scale: 1/2"=1'-0"



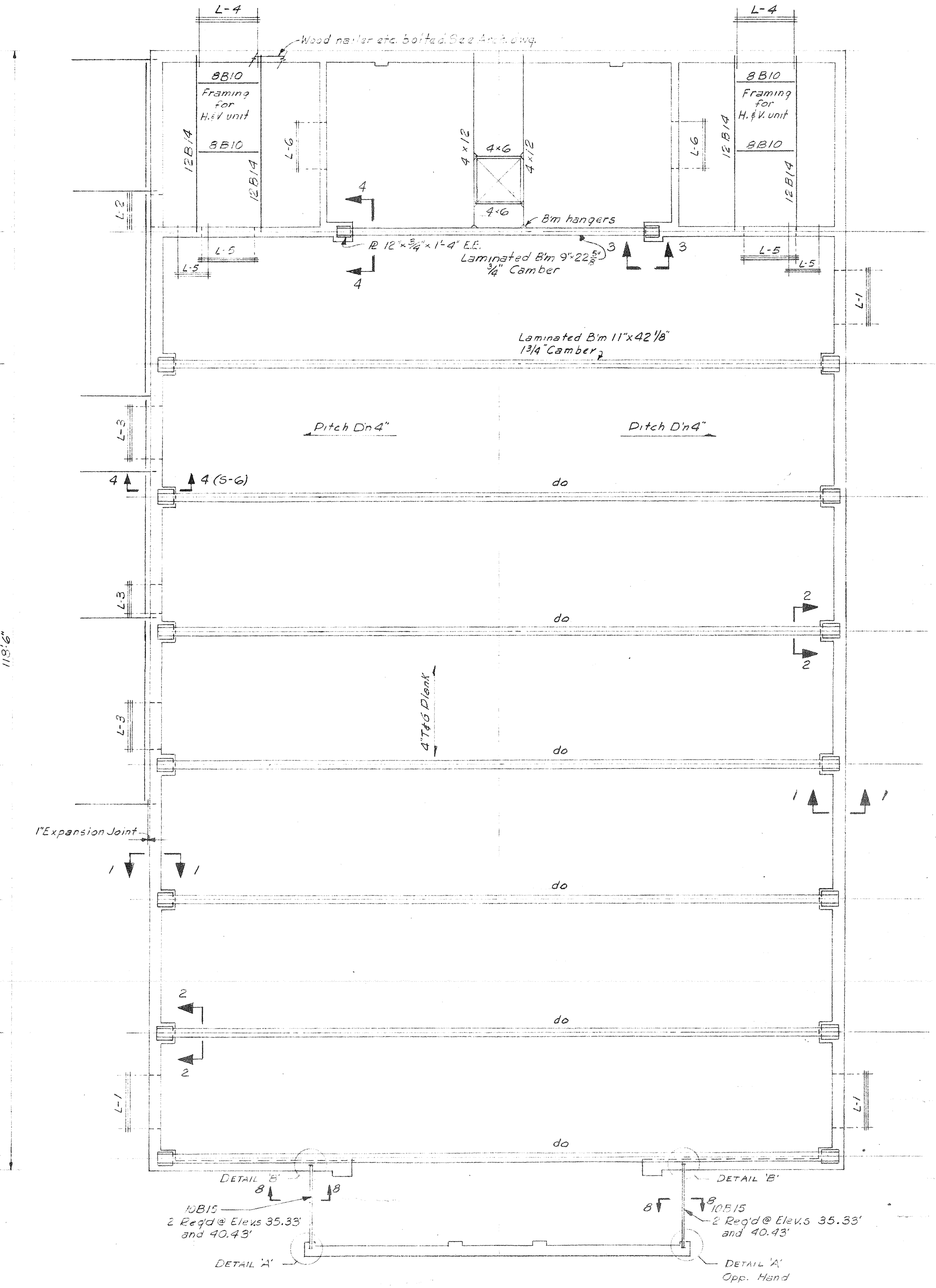
SECTION 6-6
Scale: 1/2"=1'-0"



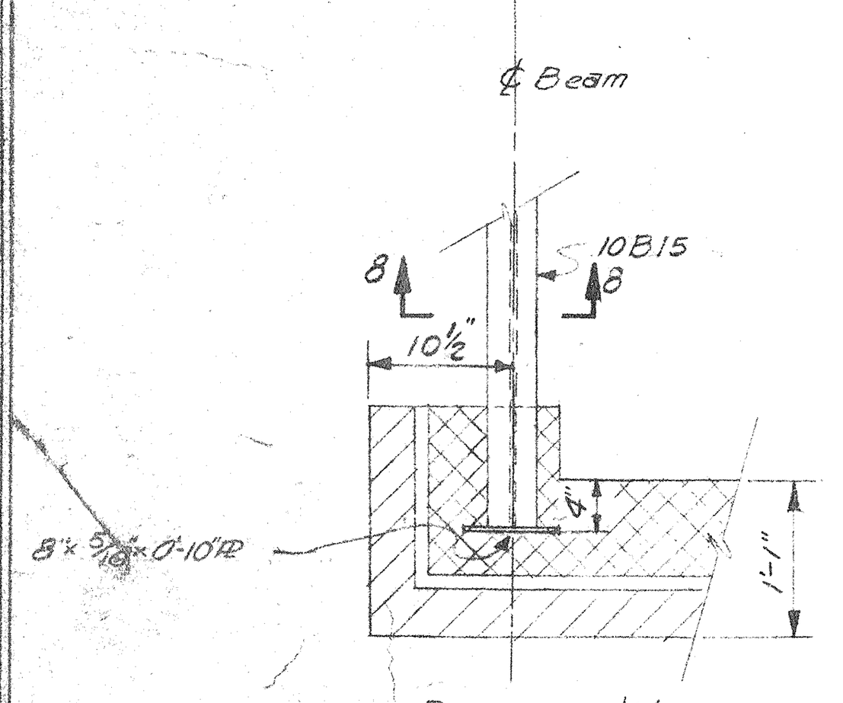
SECTION 7-7
Scale: 1/2"=1'-0"



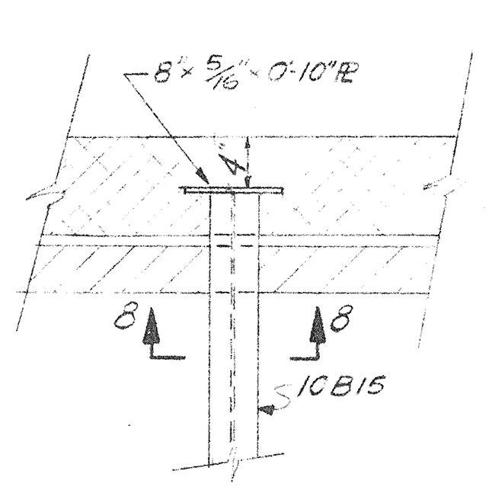
GYMNASIUM
FOUNDATION & FIRST FLOOR FRAMING PLAN
Scale: 1/8" = 1'-0"



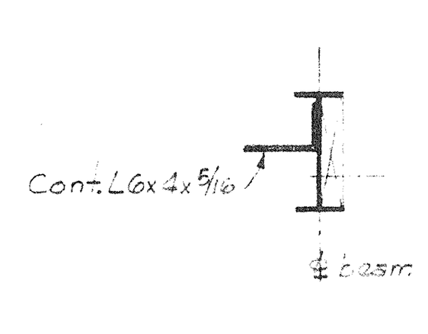
GYMNASIUM
ROOF FRAMING PLAN
Scale: 1/8" = 1'-0"



DETAIL 'A'
Scale: 3/4"=1'-0"



DETAIL 'B'
Scale: 3/4"=1'-0"



SECTION 8-8
Scale: 3/4"=1'-0"

HERBERT J. ALBEE #6233 — COMMONWEALTH OF MASSACHUSETTS — REGISTERED PROFESSIONAL ENGINEER

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REGISTERED ARCHITECT — OLIVER W. FONTAINE — No. 915 BOSTON, MASS. — COMMONWEALTH OF MASSACHUSETTS

GYMNASIUM - FOUND. & FIRST FLOOR & ROOF FRAMING PLAN			
NEW SCHOOL & CONVENT FOR SISTERS of STE CHRETIENNE, LORING AVE. SALEM, MASS.	JOB No.	6302	
	DRAWN BY	AHH	
	CHECKED BY	HJA	
	DATE	MAY 1964	
OLIVER W. FONTAINE ARCHITECT, PROVIDENCE, R.I. WRENTHAM, MASS.	DWG No.	S-5	

A1

NOTES:
1. For location of SECTIONS See Dwgs S-1 thru S-5
2. See Dwg S-6 for Column Schedule

COMMONWEALTH OF MASSACHUSETTS — HERBERT J. ALBEE #6233 — REGISTERED PROFESSIONAL ENGINEER

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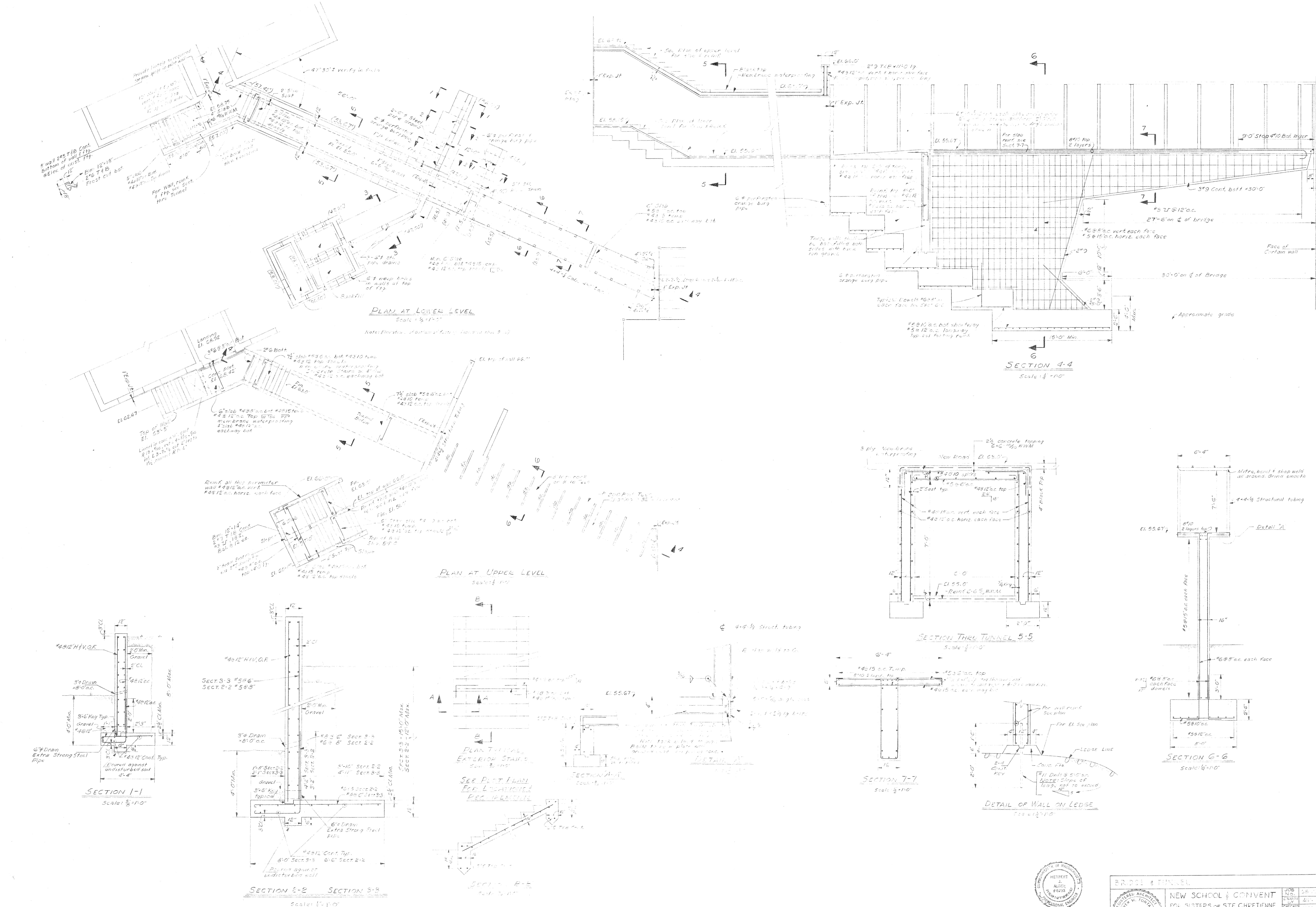
REGISTERED ARCHITECT — OLIVER W. FONTAINE — No. 916 — BOSTON, MASS. — COMMONWEALTH OF MASSACHUSETTS

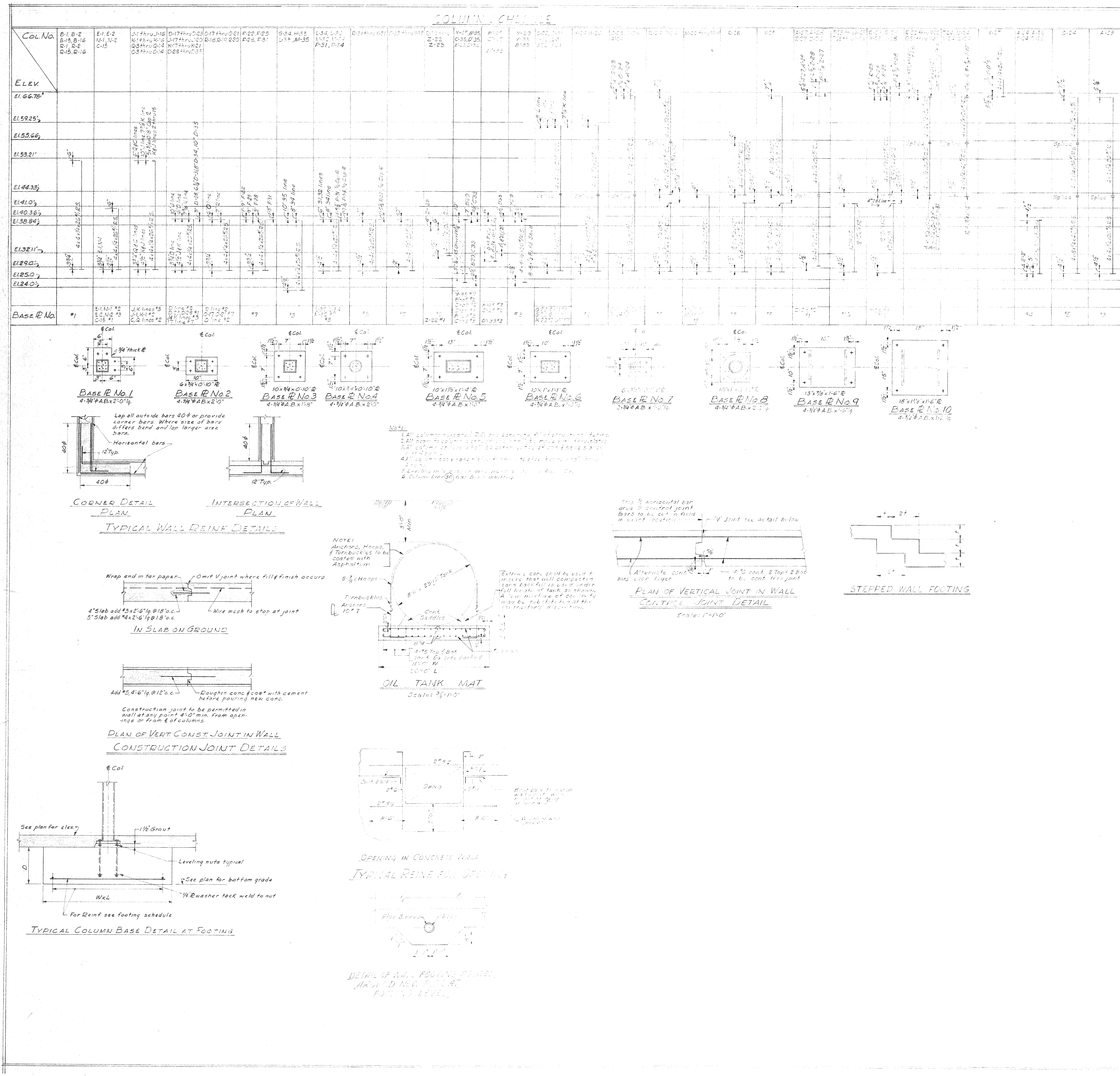
SCHOOL & CONVENT - STRUCTURAL SECTIONS & DETAILS

NEW SCHOOL & CONVENT	JOB NO. 6302
FOR SISTERS of STE. CHRETIENNE	DRAWN BY AHH
LORING AVE. SALEM, MASS.	CHECKED BY HJA
OLIVER W. FONTAINE ARCHITECT	DATE May 1964
PROVIDENCE, R.I. WRENTHAM, MASS.	DWG. NO. S-6



ALBEE, HARROLD & HIRTH
ENGINEERING CONSULTANTS
166 FONDES RD. WRENTHAM, MASS. 02184

BRIDGE & TUNNEL
NEW SCHOOL & CONVENT
FOR SISTERS of STE. CHRETIENNE
LORING AVE. SALEM, MASS.
OLIVER W. FONTAINE ARCHITECT
PROVIDENCE, R.I. WRENTHAM, MASS.
DWG. NO. S-7



FOUNDATION AND GENERAL NOTES

1. Foundations are to be carried to elevations indicated and deeper if necessary to obtain a safe soil bearing capacity of 2 tons per square foot.
2. No footing shall be placed on frozen soil. Exterior footings shall not be less than 4'-0" below finish grade.
3. Do not backfill against foundation walls with fill on one side until floor slabs have been poured; otherwise walls must be adequately shored.
4. The contractor shall verify all dimensions and locations fof all slots, pipe sleeves, anchor bolts etc., as required for the mechanical trades before concrete is poured.
5. Minimum reinforcing of any foundation wall, except as noted, to be 4-#6, 2 top and 2 bottom, continuous. Provide corner bars and dowels into adjacent walls.
6. Design live loads:
   a. All roofs 40 p.s.f.
   b. Community Room 100 p.s.f.
   c. Corridors 100 p.s.f.
   d. Classrooms 50 p.s.f.
   e. Bridge 75 p.s.f.
   f. Auditorium and stage 100 p.s.f.
   g. Gymnasium 100 p.s.f.
   h. Storage rooms 125 p.s.f.
   i. Chapel 60 p.s.f.

COMPACTED FILL NOTES

1. Remove all fill, organic peat, peaty sand, and organic silty peat within the confines of the building and to a distance of 10' beyond the outside foundation walls.
2. Backfill shall be well graded granular fill as specified elsewhere, placed in layers not greater than 6" deep.
3. Backfill shall be mechanically compacted as specified elsewhere to a degree of compaction as indicated on drawings.
4. The level of any water in the area being excavated or compacted shall be kept at all times to within 2 feet below the level at which work is being done. No method of pumping which removes fine sand from within the confines of the building will be permitted.

CONCRETE NOTES

1. All concrete work and reinforcing bar details shall conform to the latest A.C.I. Code and Manual.
2. Concrete Mixes:
   a. All walls, footings, slabs on ground, piers, columns, beams and framed slabs, f'c=3000 p.s.i. at 28 days.
   b. Bridge and retaining walls, f'c=3000 p.s.i. at 28 days.
3. Reinforcement shall be intermediate grade standard deformed ASTM A-305 bars, fs = 20,000 p.s.i.
4. Provide #4 @ 15, temperature bars in bottom of all one-way reinforced slabs, unless otherwise noted.
5. All slabs poured on ground shall be reinforced with welded wire mesh 6/6 x 10/10. Mesh to be lapped 3" on sides and 6" on ends.
6. Clear Concrete Protection;
   a. Slabs 3/4" (if exposed or poured on dry fill) 1-½".
   b. Beam bottoms and sides, columns and piers 1½".
   c. Footings and walls on side poured against earth or water 3"; against forms and weather 2".
   d. Reinforcement in opposite side from earth (inside) 1½".
7. Construction joints shall be keyed and shall be approximately 60'-0" apart maximum in either direction and at mid-spans.
8. All slabs on ground shall be poured in alternate panels not to exceed 1000 square feet.
9. Provide bar supports, spacers and accessories recommended by the A.C.I. Detailing Manual. All detailing not covered by these drawings or these notes shall be in accordance with this same manual.
10. All continuous reinforcing bars shall be lapped 30 diameters at splices and at corners unless otherwise shown. Terminate continuous bars at non continuous ends with standard hooks. Lap continuous top bars at center between supports and bottom bars at supports as required.
11. All beams and slabs to be poured monolithically and keyed as noted.
12. All footing keys to be 2" x 4" (nominal) with beveled sides unless otherwise shown.
13. All slabs shown keyed or seated shall have 2" (nominal) seat unless otherwise shown.
14. Contractor shall submit checked shop drawings and placing plans in triplicate for all reinforcement to the Architect before fabrication.
15. Concrete bases with anchor bolts shall be provided for all mechanical equipment where required.

STRUCTURAL STEEL NOTES

1. All structural steel shall be detailed in accordance with the latest Manual of the A.I.S.C. and American Welding Society, fs = 22,000 p.s.i.
2. Shop connections may be welded or riveted.
3. Field connections may be made with unfinished bolts, except where indicated to be welded or high tension bolted.
4. All field welding shall be by General Contractor.
5. All rivets and bolts shall be 3/4" Ø minimum (holes 1/16" larger).
6. Welding shall be done by an approved certified welder.
7. All structural steel shall receive one shop coat of Tnemec green primer. For field painting see painting specifications.
8. Unless otherwise noted, provide suitable bearing plates and standard government anchors for wall bearing beams.
9. Minimum bearing for beams shall be generally 8" angle lintels 6".
10. Angle lintels over all grilles, doors duct and similar openings in partitions not shown on structural drawings shall be furnished under Miscellaneous Iron.
11. Provide 7/16"Ø holes (2'-0" o.c., staggered) as required for blocking or spiking pieces.
12. Punch lintel angles for fastening sash as necessary according to manufacturers drawings.
13. All columns noted "Lally" Columns shall be standard heavy-weight new steel pipe concrete filled.
14. All columns noted R.S. shall be structural tubing concrete filled.
15. All Lally columns marked "Fireproofed" shall be double shelled; fireproofing to be 1½" min. vermiculite concrete.
16. Provide plate stiffeners under columns bearing on beams.
17. The contractor shall submit checked drawings showing all shop and field connections for all structural steel to the Architect or Engineers before fabrication.

STEEL JOIST NOTES

1. Joists shall be designed in accordance with the "Steel Joist Institute" and shall be fabricated by a manufacturer approved by the S.J.I. All joists shall bear the seal of the "Steel Joist Institute" fs=22,000 p.s.i.
2. Joists shall have a minimum bearing of 3" on steel and must project at least 1" beyond the web of the beam.
3. Each joist bearing on steel shall be welded thereto.
4. End joists shall be anchored to beams at top and bottom chords with lateral anchors at ends of bridging lines.
5. Joists shall be bridged with an approved form of rigid diagonal bridging at intervals of not more than 8'-0".
6. Ceiling extensions shall be furnished as required.
7. Furnish top chord extensions as required and indicated on the drawings.
8. Provide standard headers for openings up to 4'-0".
9. All joists and accessories shall receive one shop coat of a protective paint of Tnemec green primer.
10. The Contractor shall submit checked drawings in triplicate showing the location of all joists, and the required details for proper installation before fabrication

WOOD NOTES

1. Framing lumber shall be construction grade Douglas Fir FB 1500 p.s.i.
2. All joists shall be bridged with 1 x 3 double cross bridging at intervals not exceeding 8'-0".
3. Minimum bearing for all joists shall generally be 4".
4. Wall plates on masonry walls shall be anchored with ½" Ø by 1'-6" long anchor bolts not more than 4'-0" o.c. and at each corner.

LAMINATED WOOD CONSTRUCTION NOTES

1. Laminated beams shall conform to "Standard Specifications for the Design and Fabrication of Structural Glued Laminated Lumber" as published by the West Coast Lumbermen's Association.
2. Submit details of beams to Architect for approval before fabrication.
3. Finish shall be Architectural, surfaced, sanded, one coat of clear sealer and individually paper wrapped.
4. Planking shall be 4" tongue and groove West Coast Hemlock.
5. Design loads, 40 p.s.f. live load plus 15 p.s.f. dead load, wind 35 p.s.f uplife 30# Gross per square foot of roof area.

A1

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REGISTERED ARCHITECT OLIVER W. FONTAINE No. 915 BOSTON, MASS.

GENERAL NOTES & STRUCTURAL DETAILS
NEW SCHOOL & CONVENT
for SISTERS of STE. CHRETIENNE
LORING AVE. SALEM, MASS.
OLIVER W. FONTAINE ARCHITECT
PROVIDENCE, R.I. WENTHAM, MASS.

JOB NO.	6902
DRAWN BY	
CHECKED BY	
DATE	
DWG. NO.	S-8