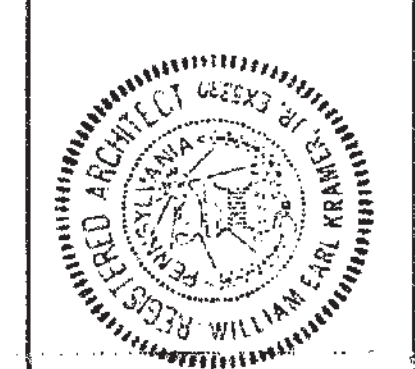


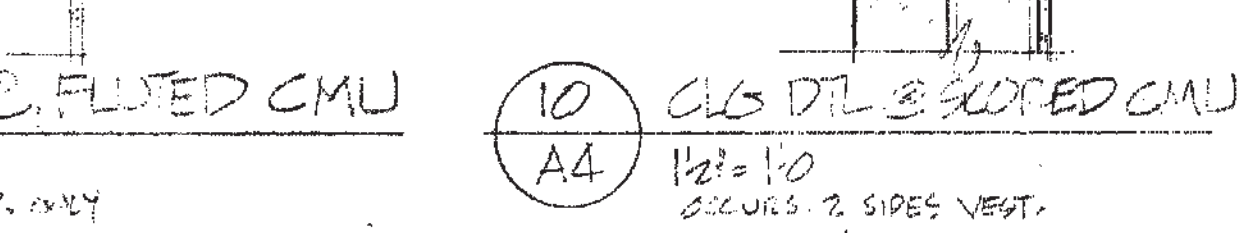
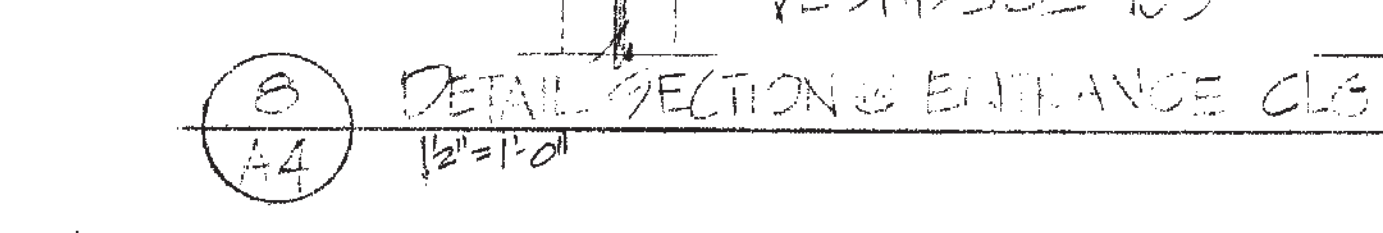
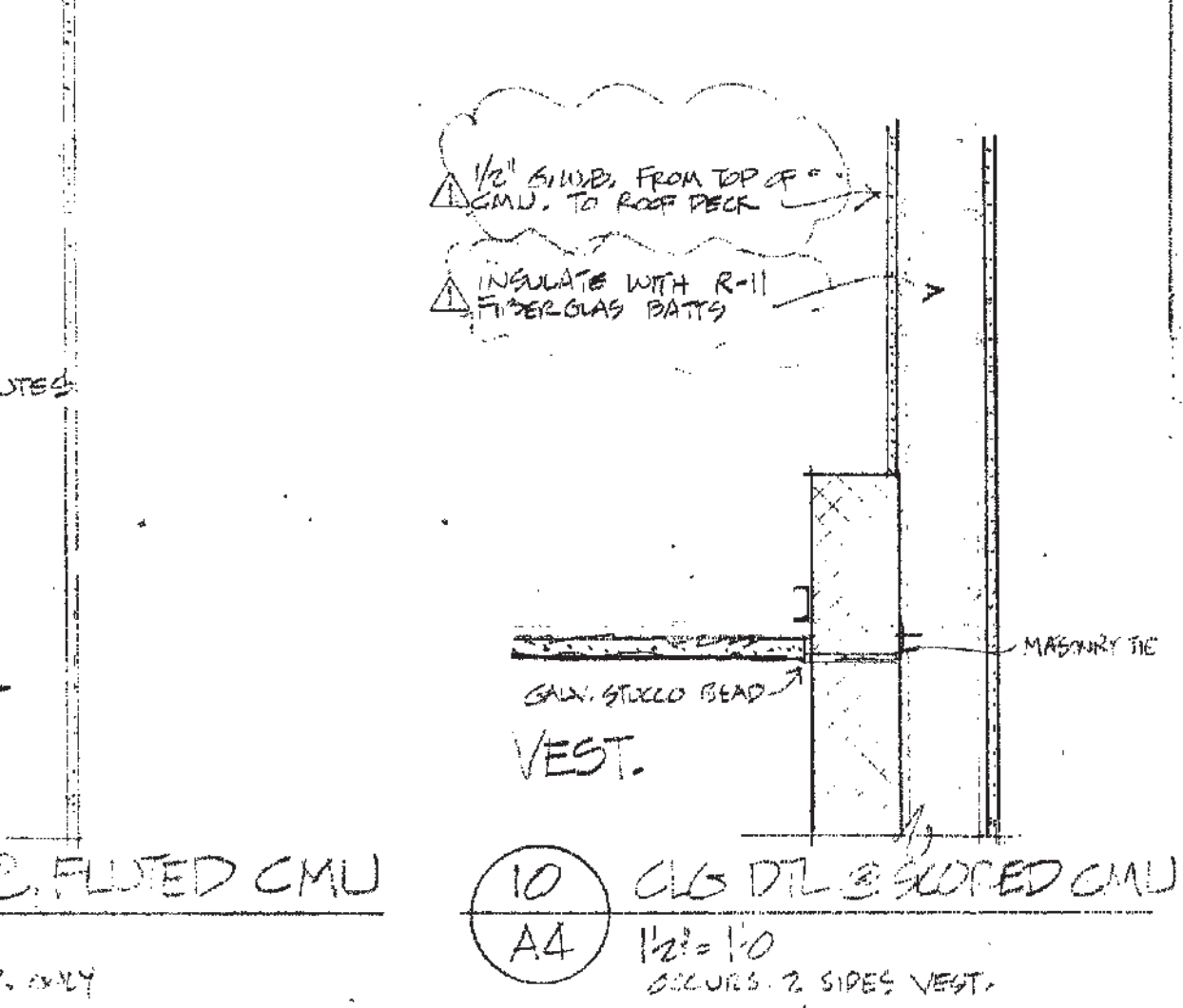
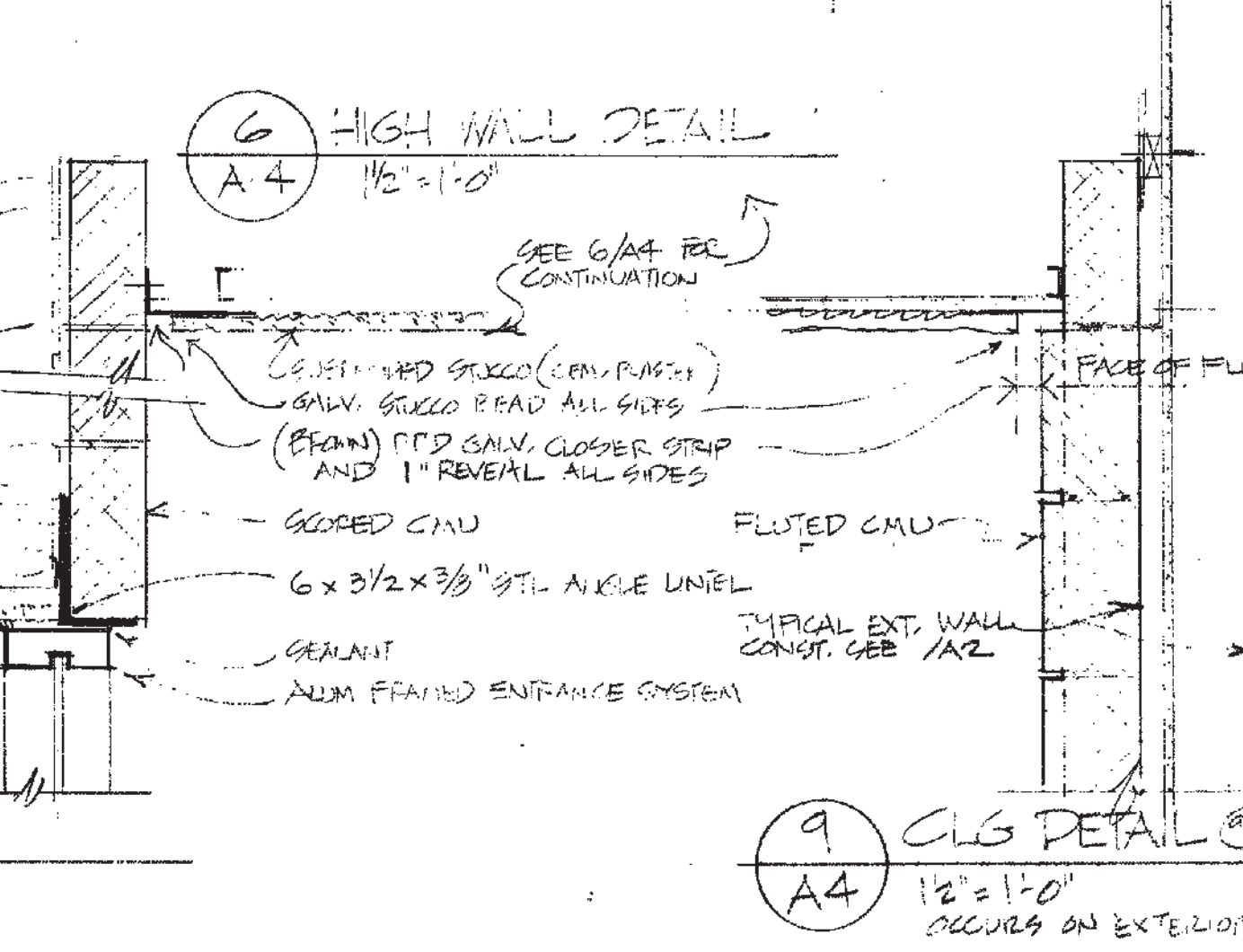
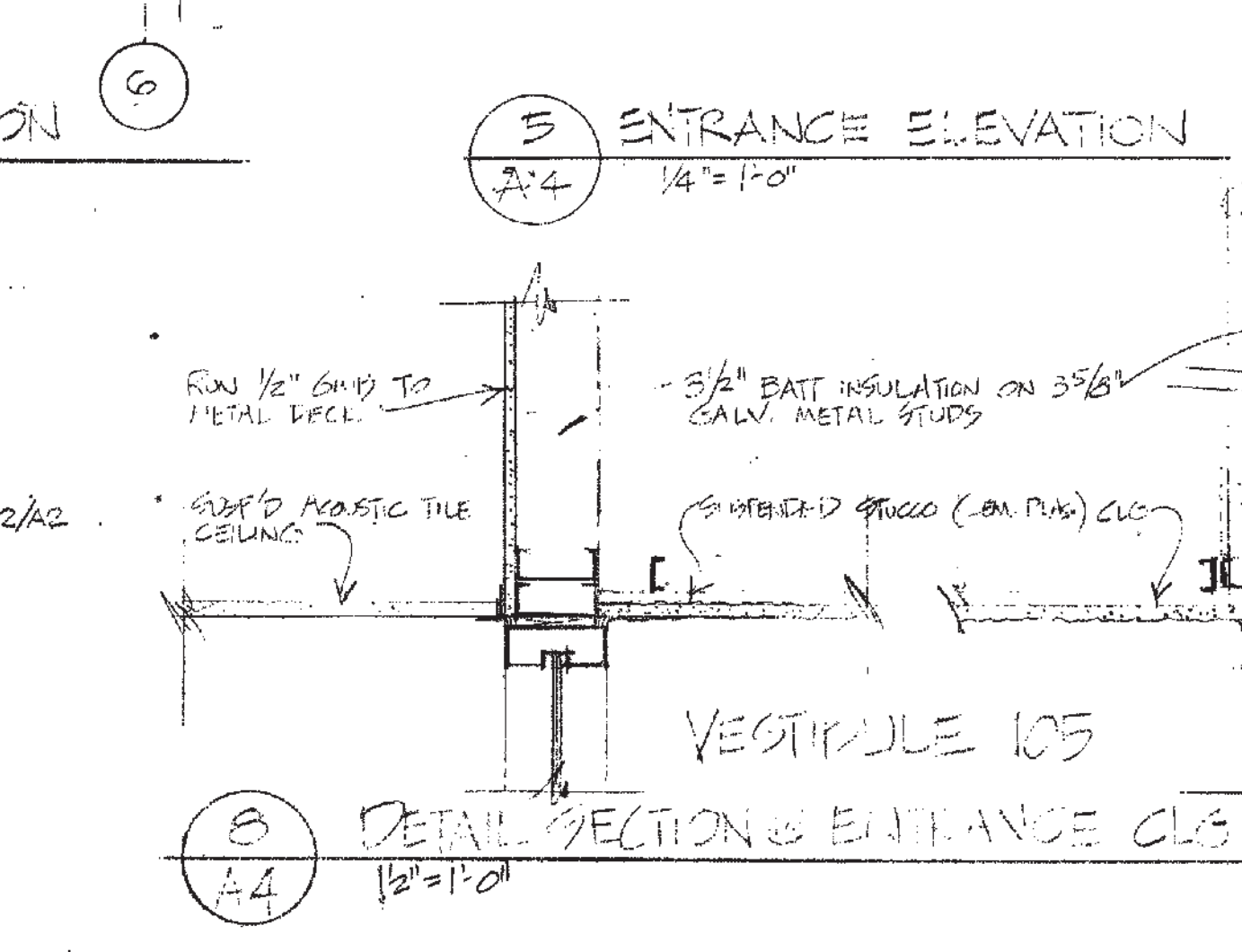
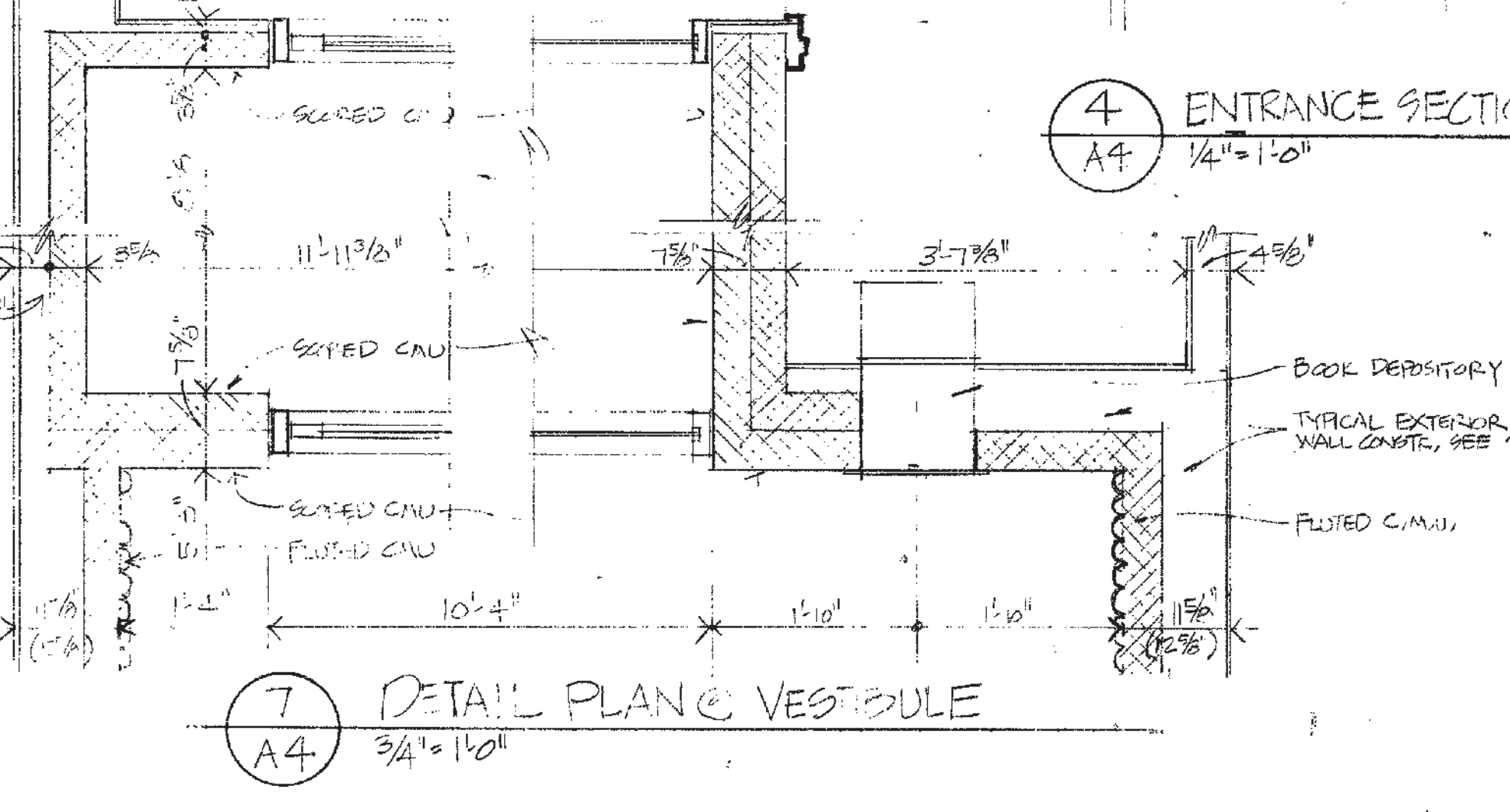
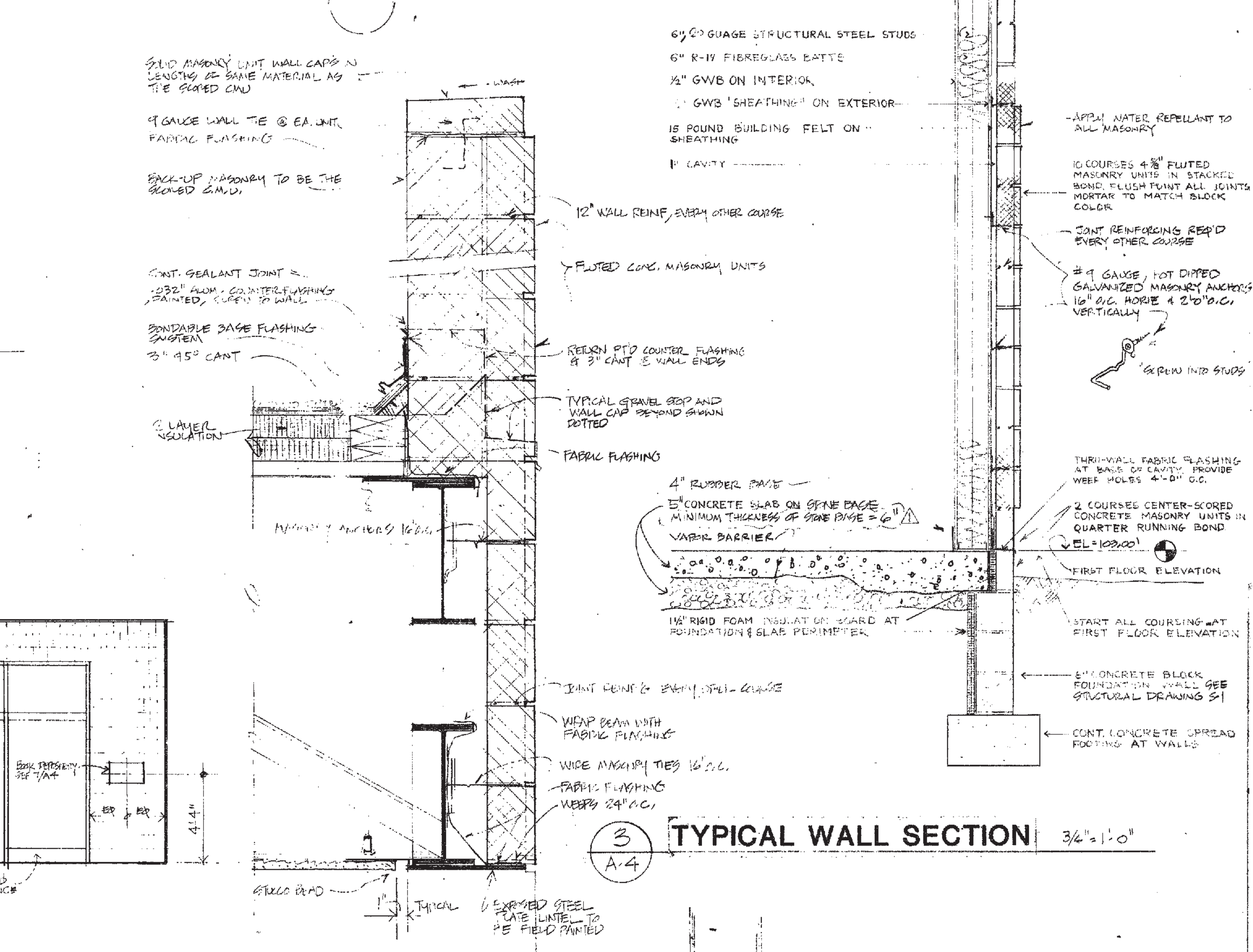
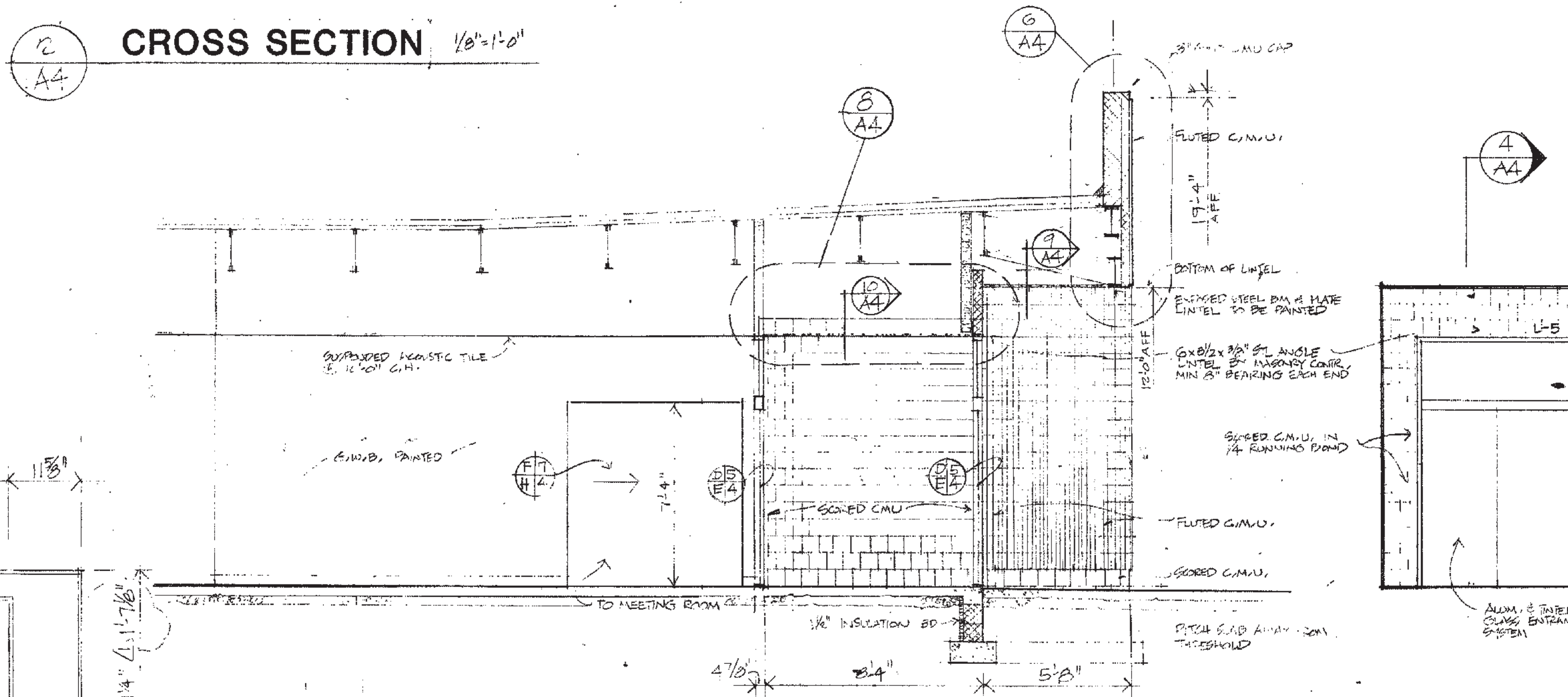
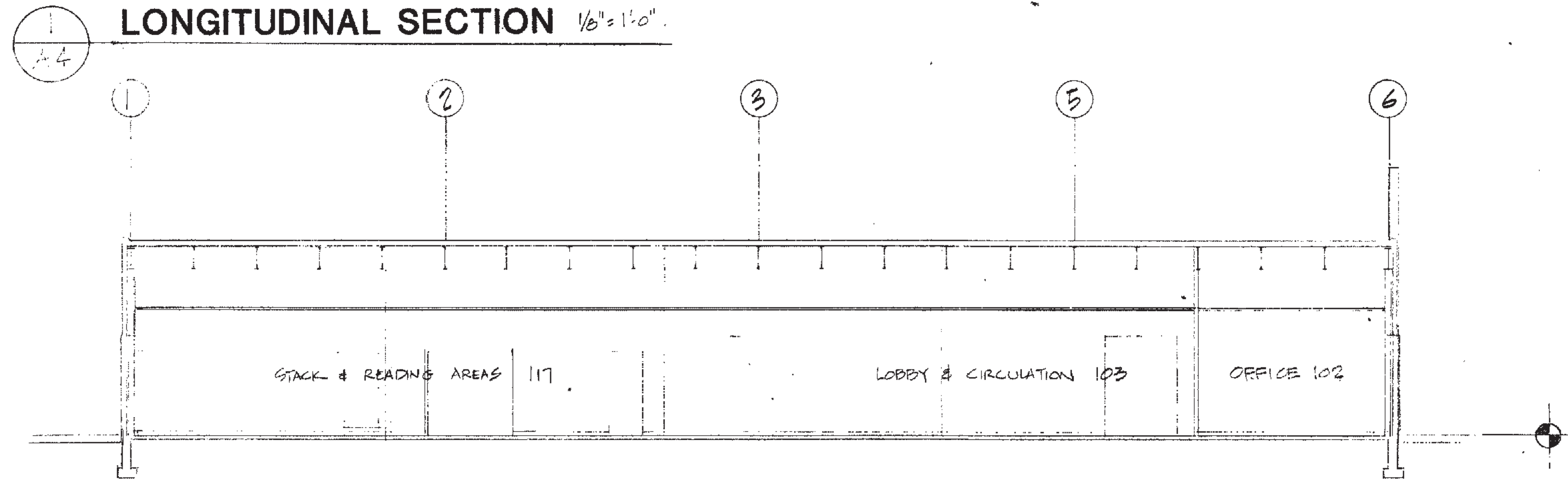
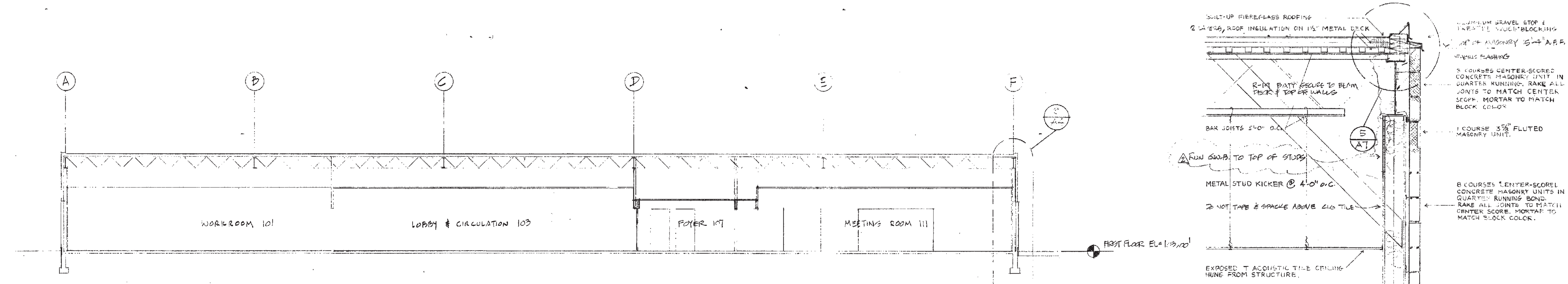
**REVISIONS**  
 ADD #1 AUG 21, 1980  
 # DIM. REVISIONS  
 #1 JULY 31, 1980



**SECTIONS & DETAILS**  
**ARCHITECT**  
 W.E. KRAMER  
 8203 GLADSTONE ROAD  
 PHILADELPHIA, PA. 19118  
 836 4898

**Bensalem Township Branch Library**  
 3700 Hulmeville Road, Bensalem, PA.  
 for the Bucks County Free Library

JOB NO.	16-80
DRAWN	TF
CHECK'D	WEK
APPR.	
SCALE	AS NOTED
DATE	JUL 31, 1980
REV. NO.	2
DRWG. NO.	A-4





ALL WORK THIS SHEET  
IN CONTRACT

GENERAL NOTES

1. ALL FOOTINGS TO BE FOUNDED ON THE EXISTING FILL OR NATIVE SOIL, CAPABLE OF SAFELY SUPPORTING 3000 PSF.
2. THE CONTROLLED COMPACTED FILL UNDER THE SLAB ON GRADE SHALL BE CLEAN SOIL, COMPACTED TO AT LEAST 95% OF THE MAXIMUM STANDARD DRY DENSITY ASTM D-698. FILL SHOULD BE PLACED IN THIN LAYERS NOT MORE THAN 10" THICK.
3. BOTTOM OF ALL EXTERIOR FOOTINGS SHALL BE MINIMUM THREE FEET BELOW EXTERIOR FINISH GRADE.
4. ALL CONCRETE TO HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS.
5. ALL CONCRETE SHALL COMPLY WITH THE REQUIREMENTS OF THE ACI BUILDING CODE (ACI 318) THE ACI DETAILING MANUAL (ACI 315), AND THE SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS (ACI 301).
6. ALL REINFORCING STEEL SHALL BE MANUFACTURED FROM HIGH STRENGTH BILLET STEEL CONFORMING TO A.S.T.M. DESIGNATION A-615 GRADE 60.
7. LAP ALL BARS MINIMUM 40 DIAMETERS.

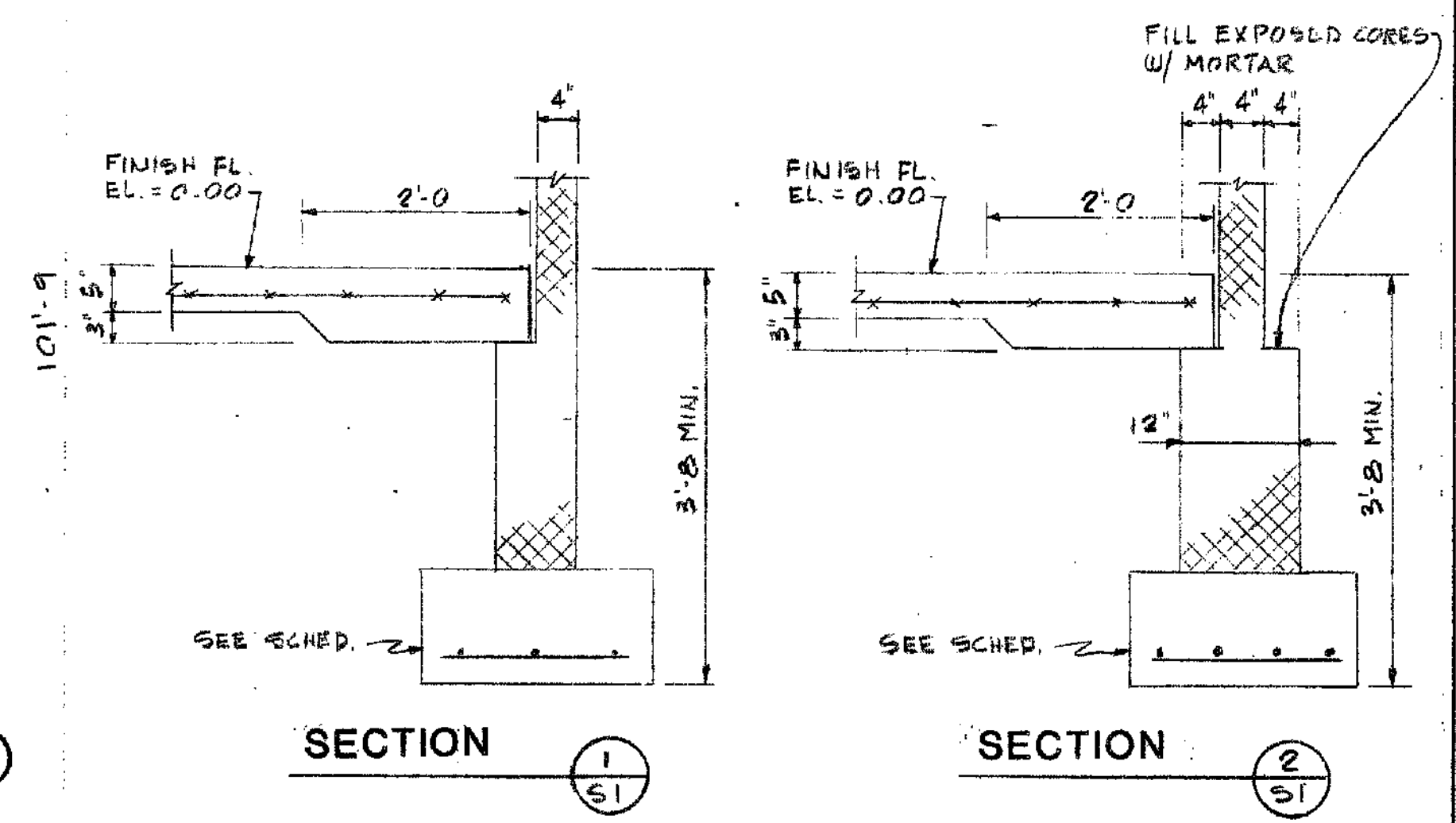
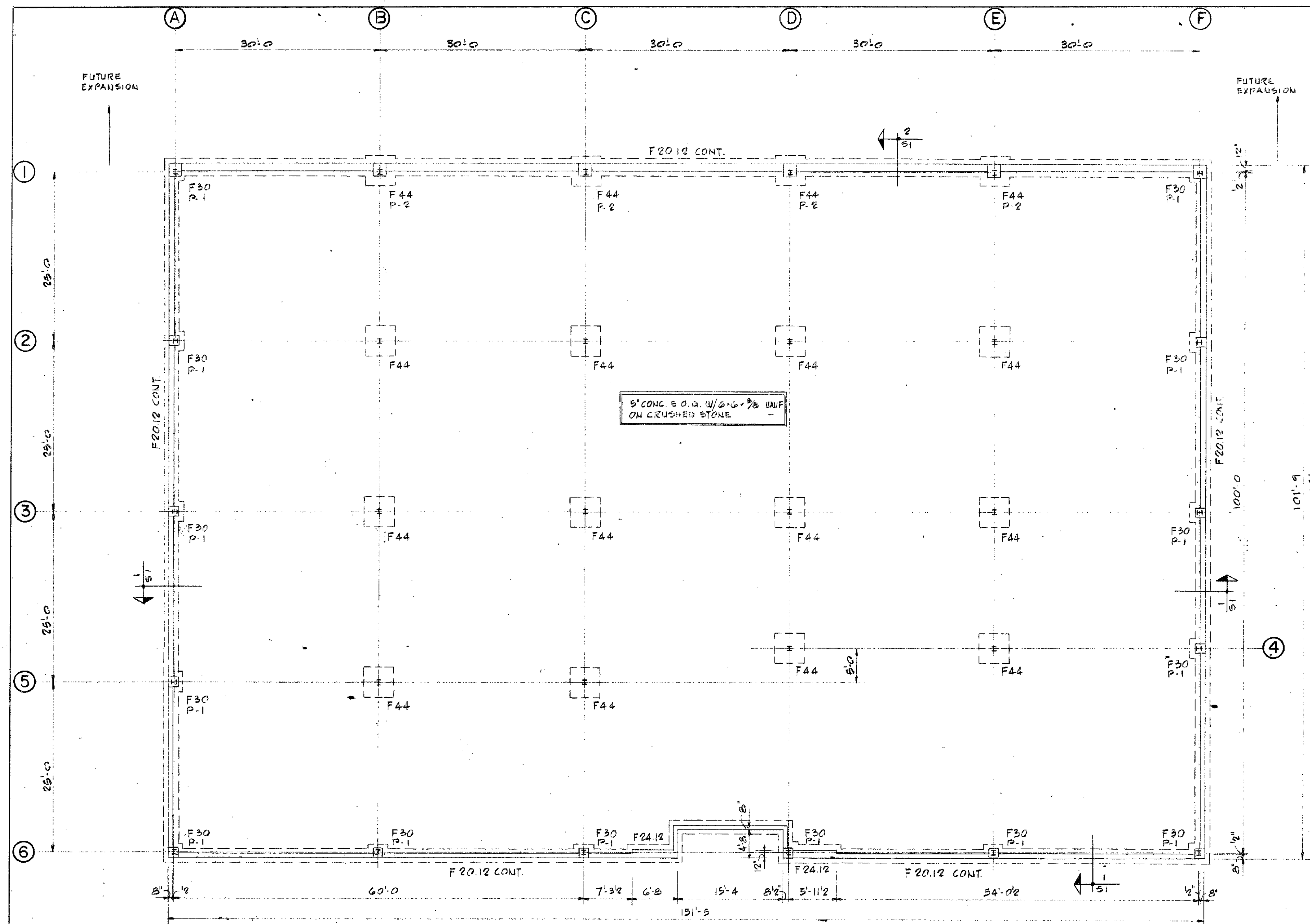
COOPER & COOPER  
CONSULTING ENGINEERS  
2813 Brown Street, Philadelphia, Pa. 19130

FOUNDATION PLAN SECTIONS AND DETAILS

ARCHITECT  
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836 4898

Bensalem Township Branch Library  
3700 Hulmeville Road, Bensalem, PA.  
- the Bucks County Free Library

JOB NO.	16-2
DRAWN	M.A.
CHECK'D	N.C.
APPR.	A.F.
SCALE	A.F.
DATE	JULY
REV. NO.	
DRWG. NO.	S-1

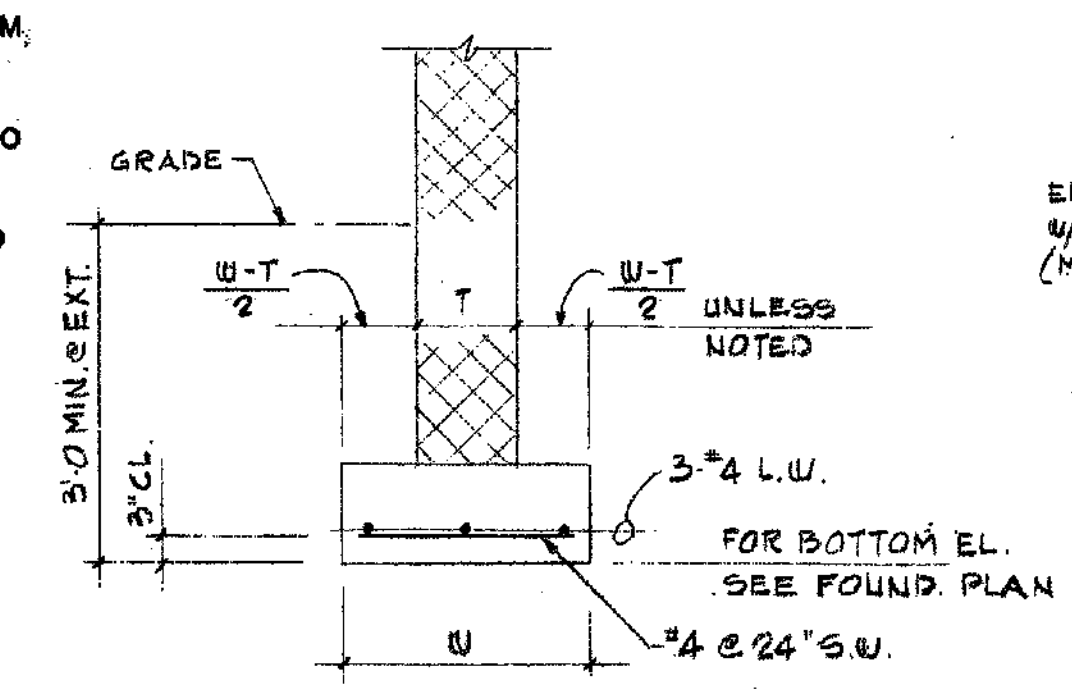


FOOTING SCHEDULE			
MARK	SIZE	REINFORCING	REMARK
F20.12	2'-0" CONT. x 12"	4 #24 S.W. 3 #4 CONT.	
F24.12	2'-4" CONT. x 12"	4 #24 S.W. 3 #4 CONT.	
F30	3'-0" x 3'-0" x 12"	4 #4 E.W.	
F44	4'-4" x 4'-4" x 12"	5 #4 E.W.	

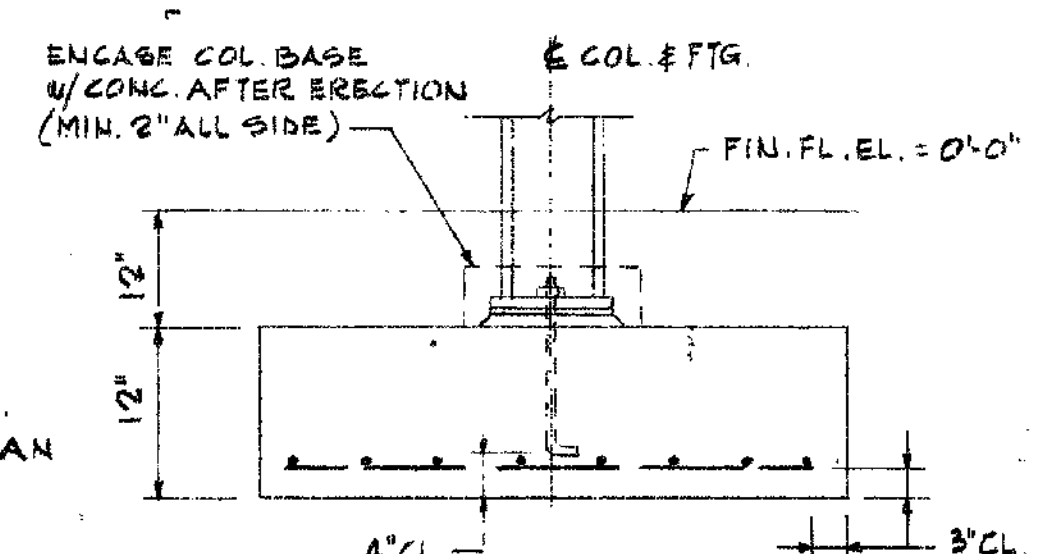
PIER SCHEDULE			
MARK	SIZE	REINF.	REMARK
P1	14 x 14	4 #7	#3 @ 12" %
P2	20 x 20	8 #7	#3 @ 12" %

FOUNDATION PLAN

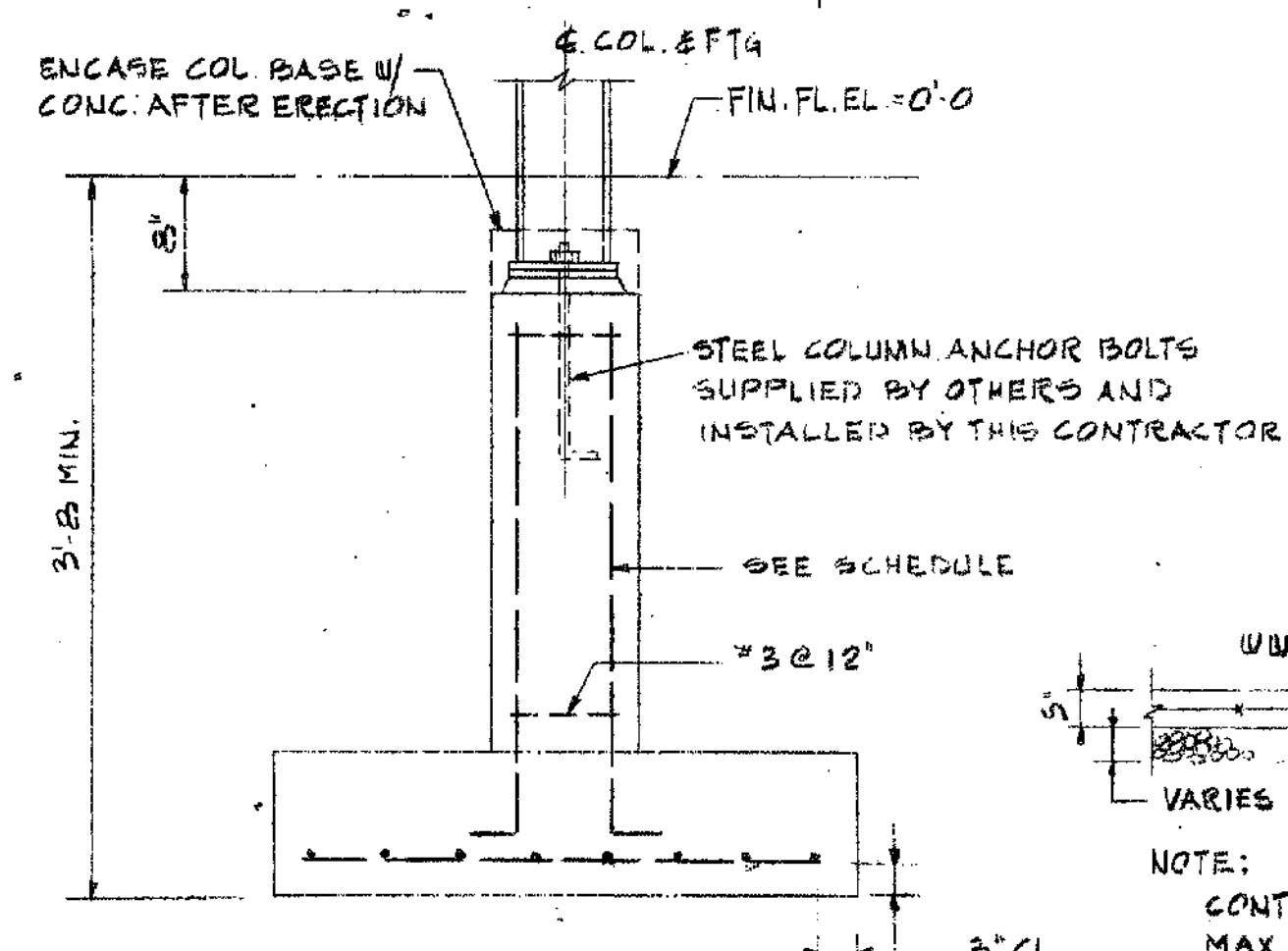
- NOTES:
- 1) ALL ELEVATIONS ARE REFERENCED FROM FINISH S.O.G. ASSUMED AS EL. = 0'-0"
  - 2) BOTTOM OF ALL EXTERIOR FOOTINGS TO BE FOUNDED AT EL. = -3'-8"
  - 3) BOTTOM OF ALL INTERIOR FOOTINGS TO BE FOUNDED AT EL. = -2'-0"



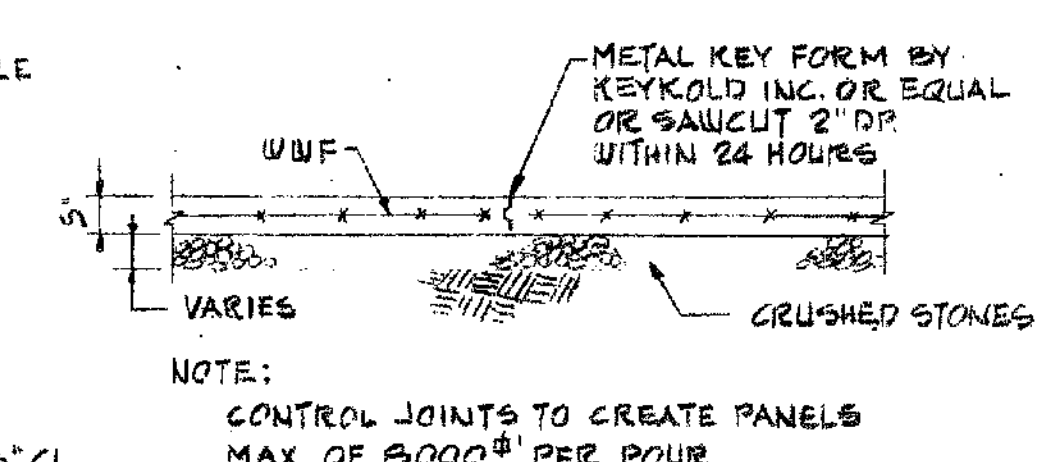
TYP. EXT. WALL FTG. DETAIL



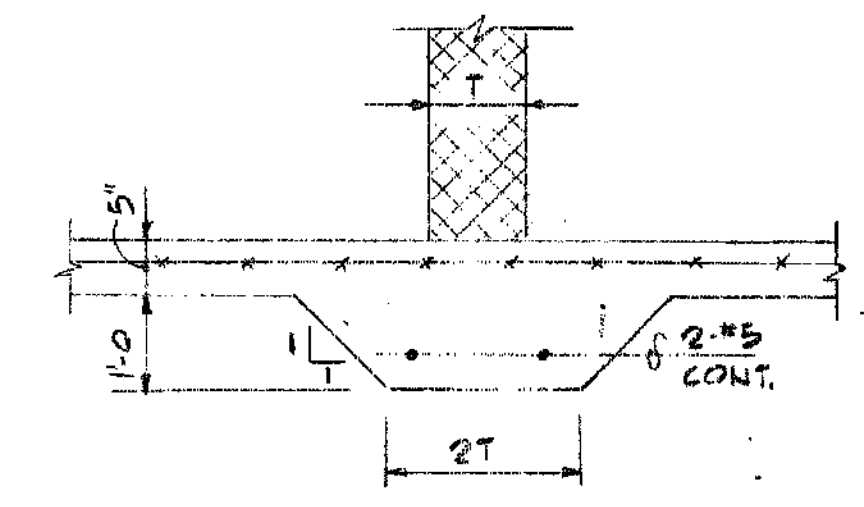
TYP. INTERIOR COL. FTG. WITHOUT PIER



TYP. EXT. COL. FTG. WITH PIER



TYP. SLAB ON GRADE DETAIL



TYP. THICKENED SLAB AT PARTITIONS (SEE ARCH FOR LOCATIONS)

NOTE: CONTROL JOINTS TO CREATE PANELS MAX. OF 5000' PER POUR

GENERAL NOTES

1. ALL STRUCTURAL STEEL SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE LATEST AISC CODE. STRUCTURAL STEEL SHALL CONFORM TO ASTM SPECIFICATION A-36. ALL STEEL SHALL HAVE A SHOP COAT OF RUST INHIBITIVE PAINT.
2. ALL SHOP AND FIELD WELDING SHALL BE PERFORMED BY WELDERS QUALIFIED, AS DESCRIBED IN "AMERICAN WELDING SOCIETY'S STANDARD QUALIFICATION PROCEDURE", TO PERFORM THE TYPE WORK REQUIRED.
3. ALL CONNECTIONS SHALL BE BOLTED WITH 3/4" HIGH STRENGTH BOLTS OR WELDED. FULL DEPTH CONNECTIONS ARE TO BE USED ON ALL GIRDER AND BEAM CONNECTIONS TO COLUMNS.
4. FABRICATOR'S ERECTION DRAWINGS TO BE 1/8" SCALE. DIMENSIONS TO BE VERIFIED IN FIELD PRIOR TO SUBMISSION OF SHOP DRAWINGS. WORK SHALL NOT PROCEED UNTIL SHOP DRAWINGS ARE APPROVED.
5. METAL DECKING SHALL BE SECURED TO THE SUPPORTING FRAME BY WELDING EXCEPT IN THE BAYS INDICATED ON PLAN WHERE SELF DRILLING SCREWS ARE TO BE USED. THE WELD, SCREW SIZE AND SEQUENCE OF INSTALLATION ARE TO BE IN ACCORDANCE WITH THE MANUFACTURER'S AND FACTORY MUTUAL REQUIREMENTS. ATTACH DECK TO ALL SUPPORTING ROOF MEMBERS.
6. ALL ROOF DECK TO BE DESIGNED, MANUFACTURED AND INSTALLED IN ACCORDANCE WITH LATEST FACTORY MUTUAL STANDARDS.
7. STEEL ROOF DECK SHALL BE 1 1/2" GA. CONFORMING TO THE REQUIREMENTS FOR STANDARD WIDE RIB DECK. DECK SHALL BE AS MANUFACTURED BY UNITED STEEL DECK, INC. OR APPROVED EQUAL. MANUFACTURER SHALL BE A MEMBER OF THE STEEL DECK INSTITUTE.
8. STEEL DECK MANUFACTURER SHALL SUPPLY THREE (3) RECESSED SUMP PANS FOR ROOF DRAINS. SUMP PANS SHALL BE INSTALLED BY STEEL DECK CONTRACTOR. LOCATIONS WILL BE SUPPLIED BY CONSTRUCTION MANAGER PRIOR TO FABRICATION.
9. STEEL JOISTS SHALL CONFORM TO THE REQUIREMENTS OF THE SPECIFICATION OF THE STEEL JOIST INSTITUTE FOR SERIES H JOISTS. MANUFACTURER SHALL BE A MEMBER OF THE STEEL JOIST INSTITUTE. ALL BRIDGING TO BE IN ACCORDANCE WITH S.J.I. STANDARDS UNLESS NOTED OTHERWISE ON THE DRAWINGS.
10. ALL JOISTS SHALL HAVE A SHOP COAT OF RUST INHIBITIVE NON-BITUMINOUS PAINT.
11. EXTEND AND CONNECT BOTTOM CHORDS OF JOISTS AT ALL COLUMNS AND WHERE NOTED ON DRAWINGS.

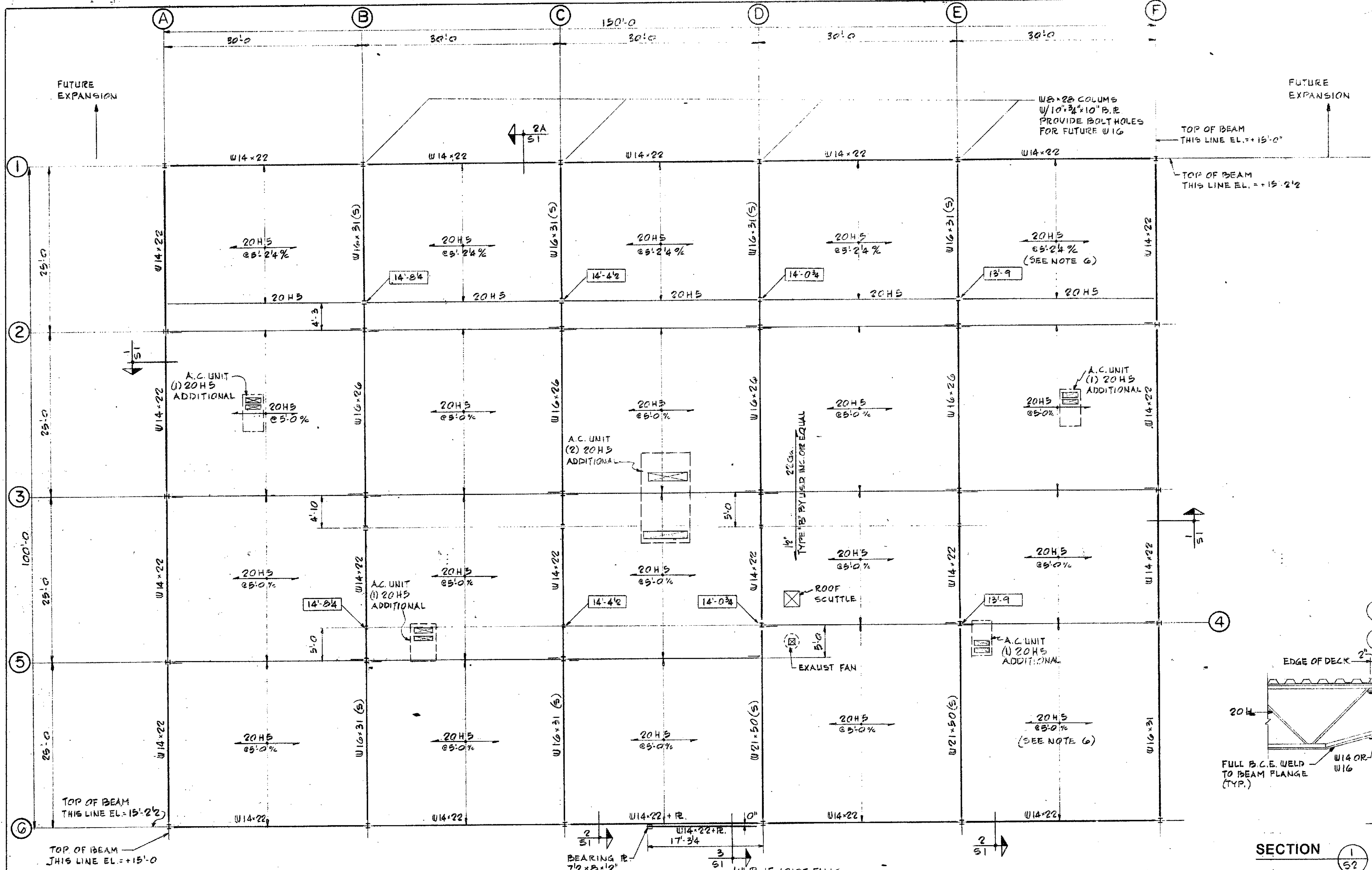
CONSULTING ENGINEERS  
2813 Brown Street, Philadelphia, Pa. 19130

ROOF FRAMING PLAN - SECTION AND DETAILS

ARCHITECT  
W.E. KRAMER  
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836 4898

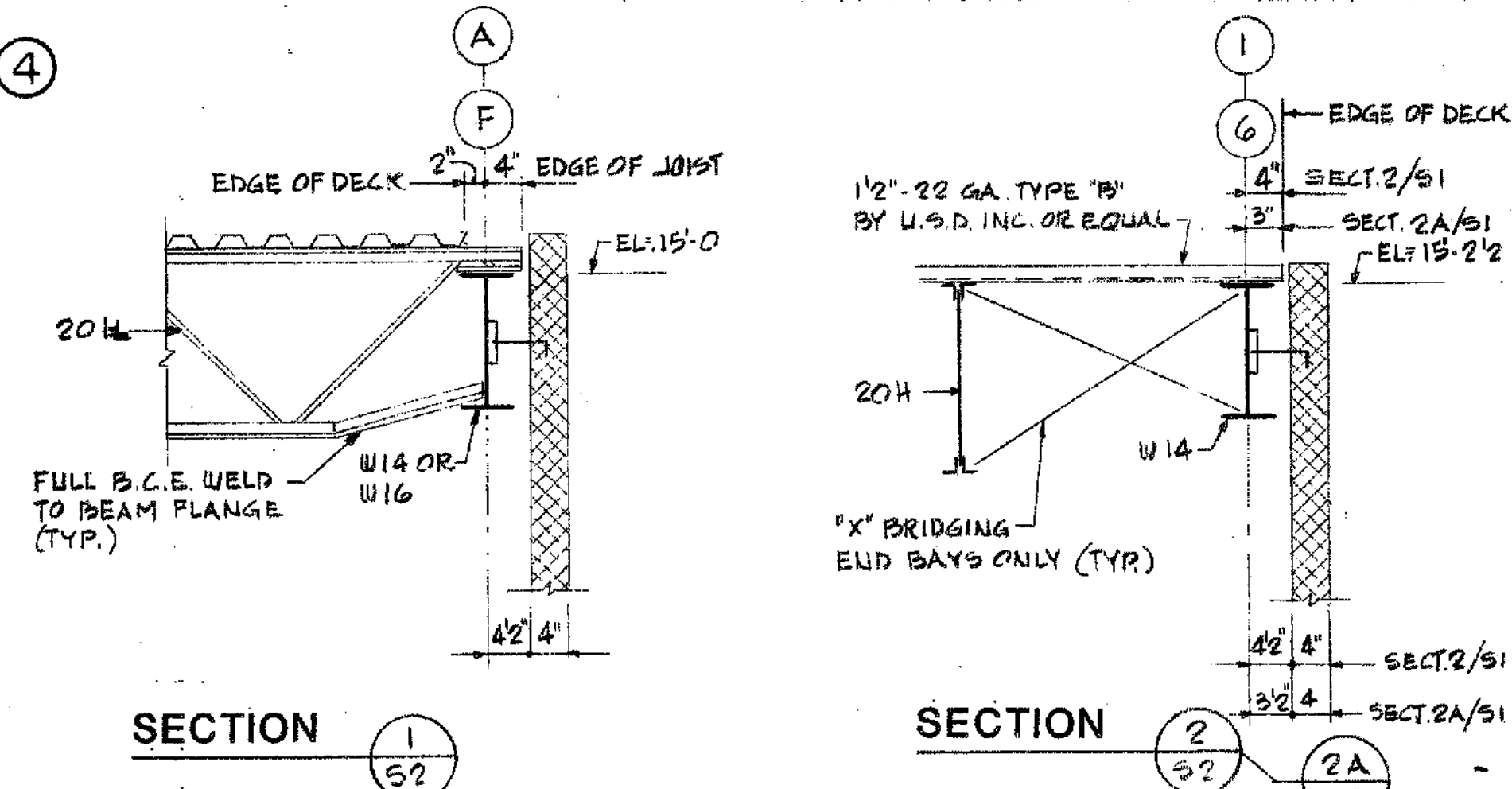
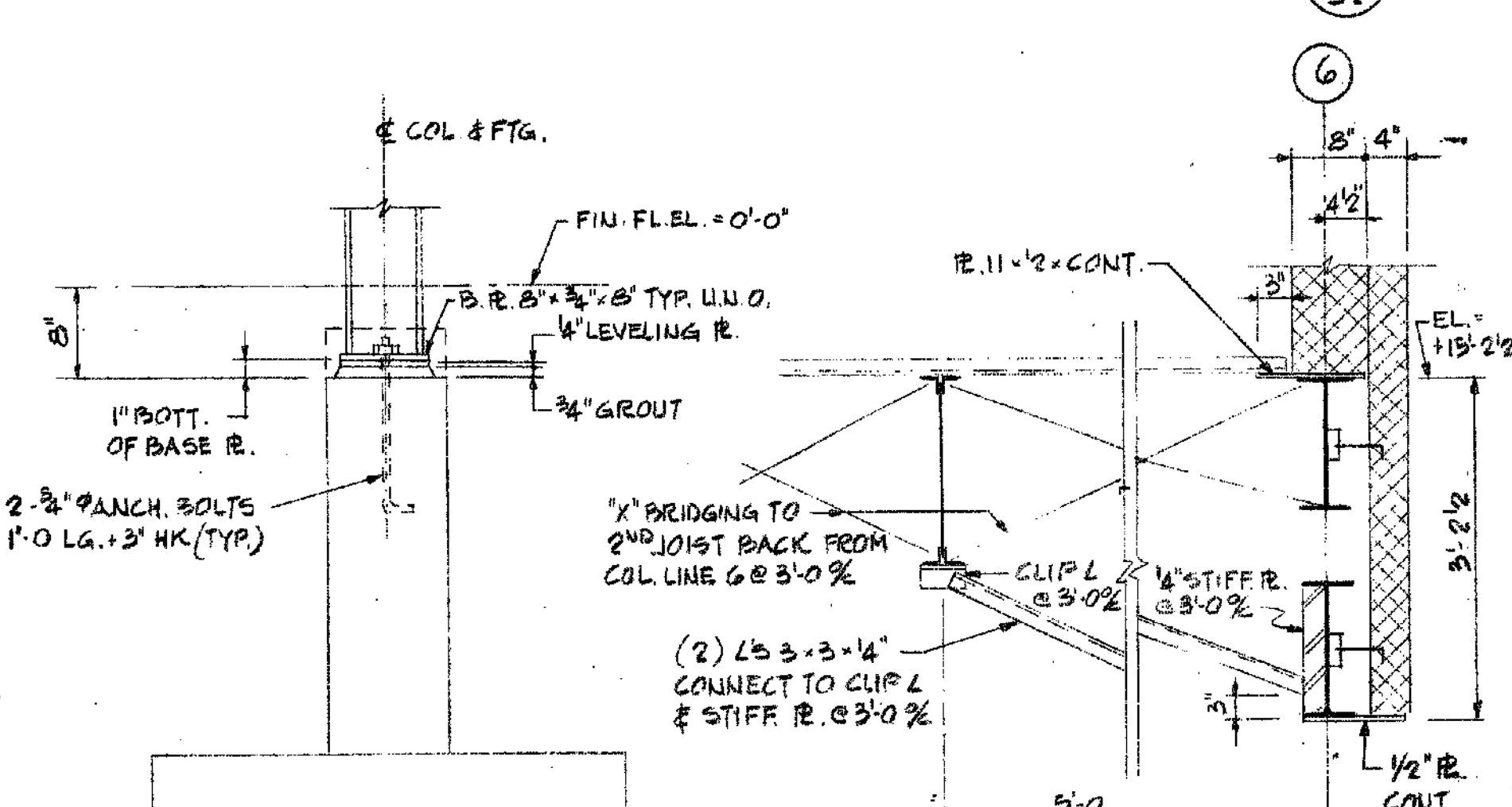
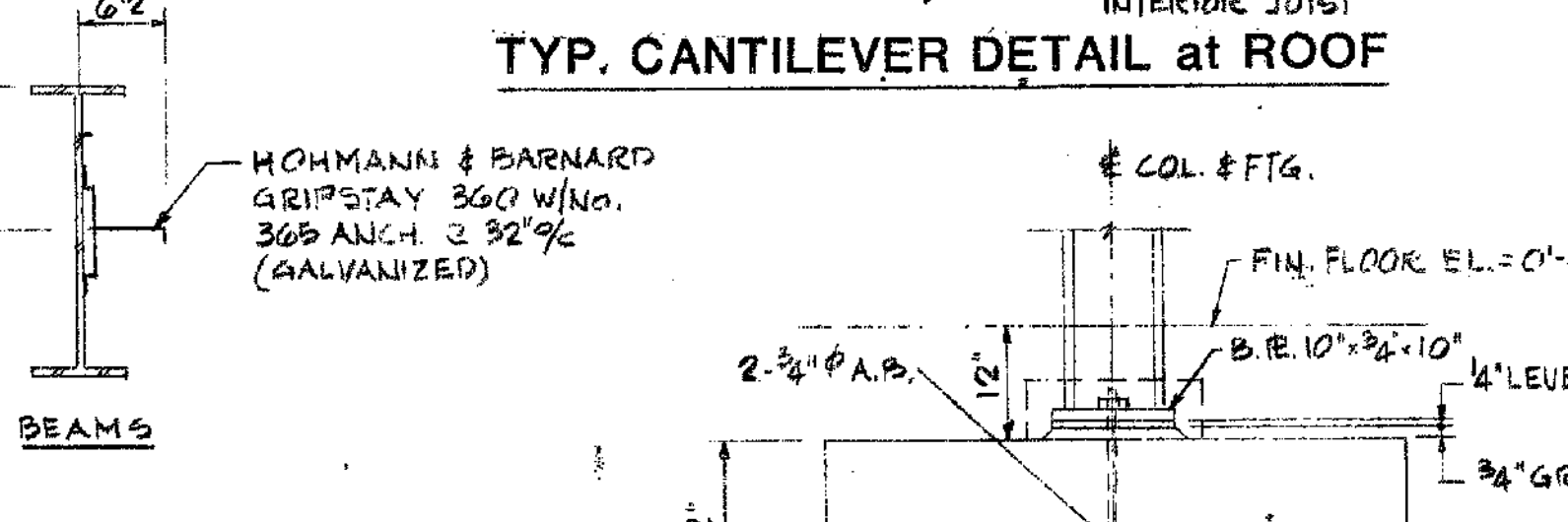
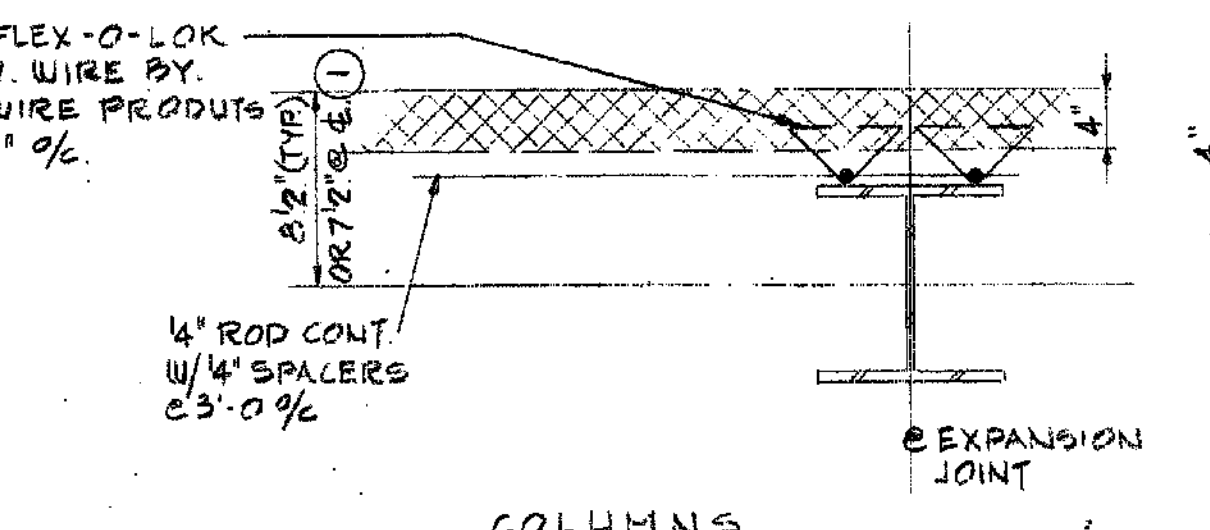
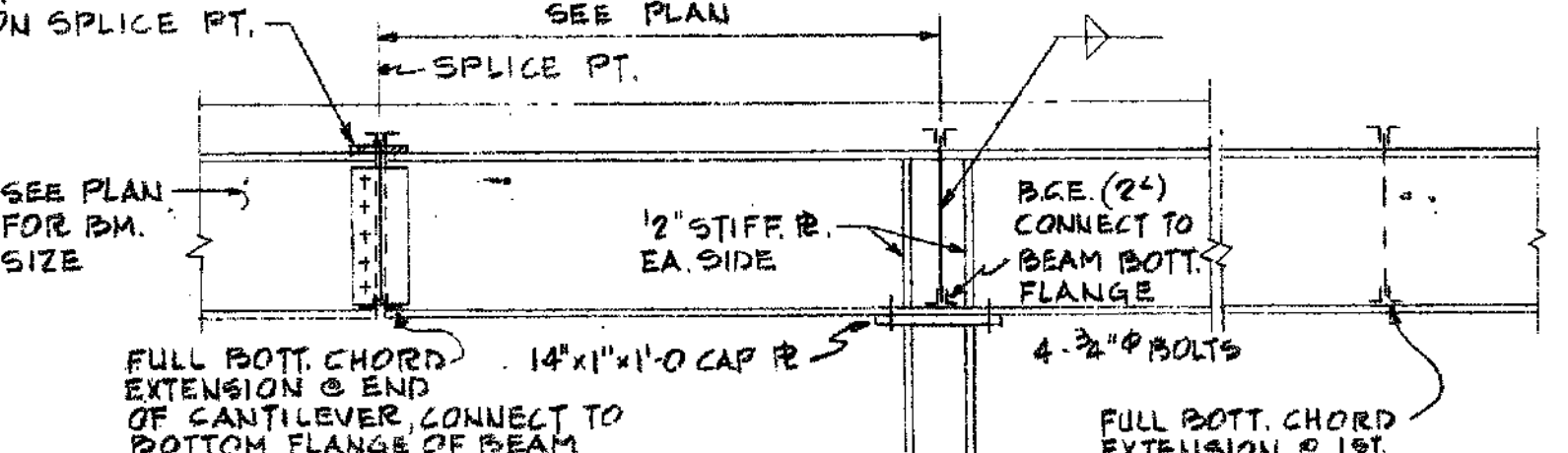
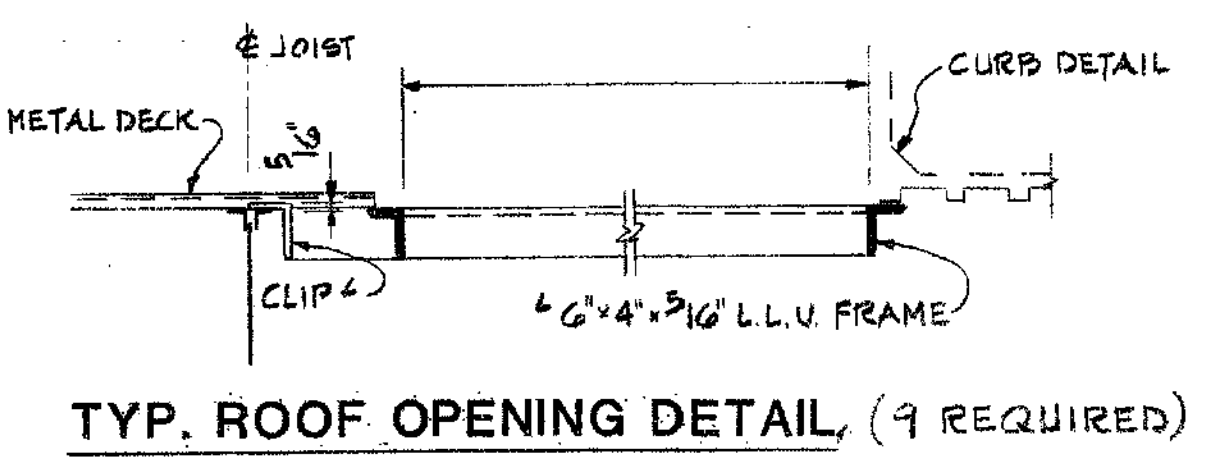
Bensalem Township Branch Library  
3700 Hulmeville Road, Bensalem, PA.  
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DRWG. NO.	



ROOF FRAMING PLAN

- NOTES:
- 1) ALL ELEVATIONS ARE REFERENCED FROM FINISH S.O.G. ASSUMED AS EL. = 0'-0"
  - 2) ALL ELEVATIONS GIVEN THUS "14'-8 1/4" ARE TO TOP OF BEAM AT THAT POINT
  - 3) STEEL BEAMS DESIGNATED W/ (S) ARE SLOPING
  - 4) ALL EXTERIOR COLUMNS TO BE W6X15 U.N.O. ON PLAN BOTTOM OF BASE PLATE EL. = -0'-7"
  - 5) ALL INTERIOR COLUMNS TO BE W8X28 BOTTOM OF BASE PLATE EL. = -0'-11"
  - 6) THE METAL ROOF DECK IN THESE BAYS IS TO BE SECURED BY THE USE OF SELF DRILLING SCREWS



TYP. MASONRY TO STEEL ANCHORS  
NOTE: OCCURS 3 SIDES AT ALL EXTERIOR COLUMNS AND AT ALL SPANDREL BEAM

TYP. INTERIOR COL. FTG.

TYP. EXTERIOR FOOTING WITH PIER

