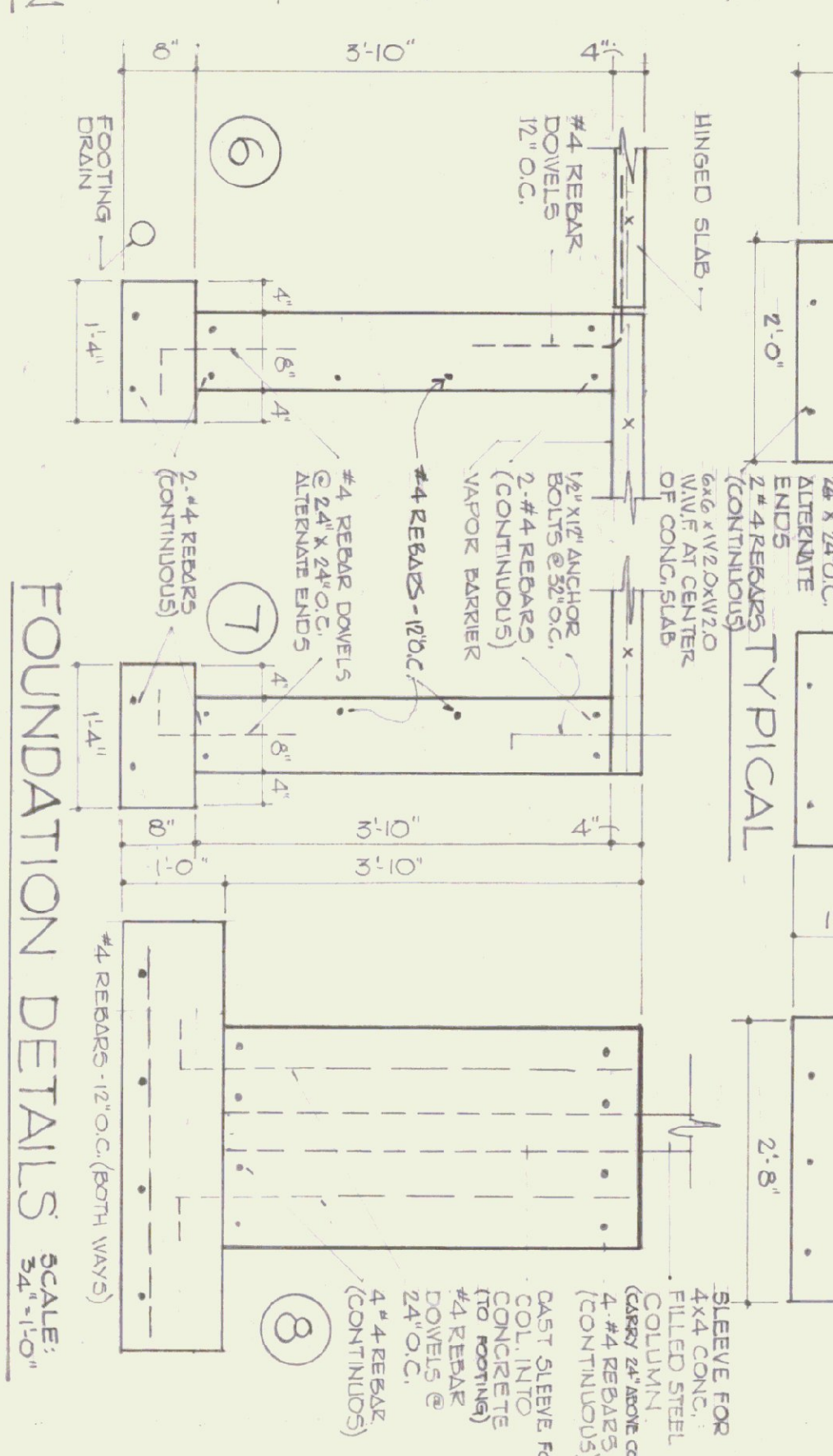
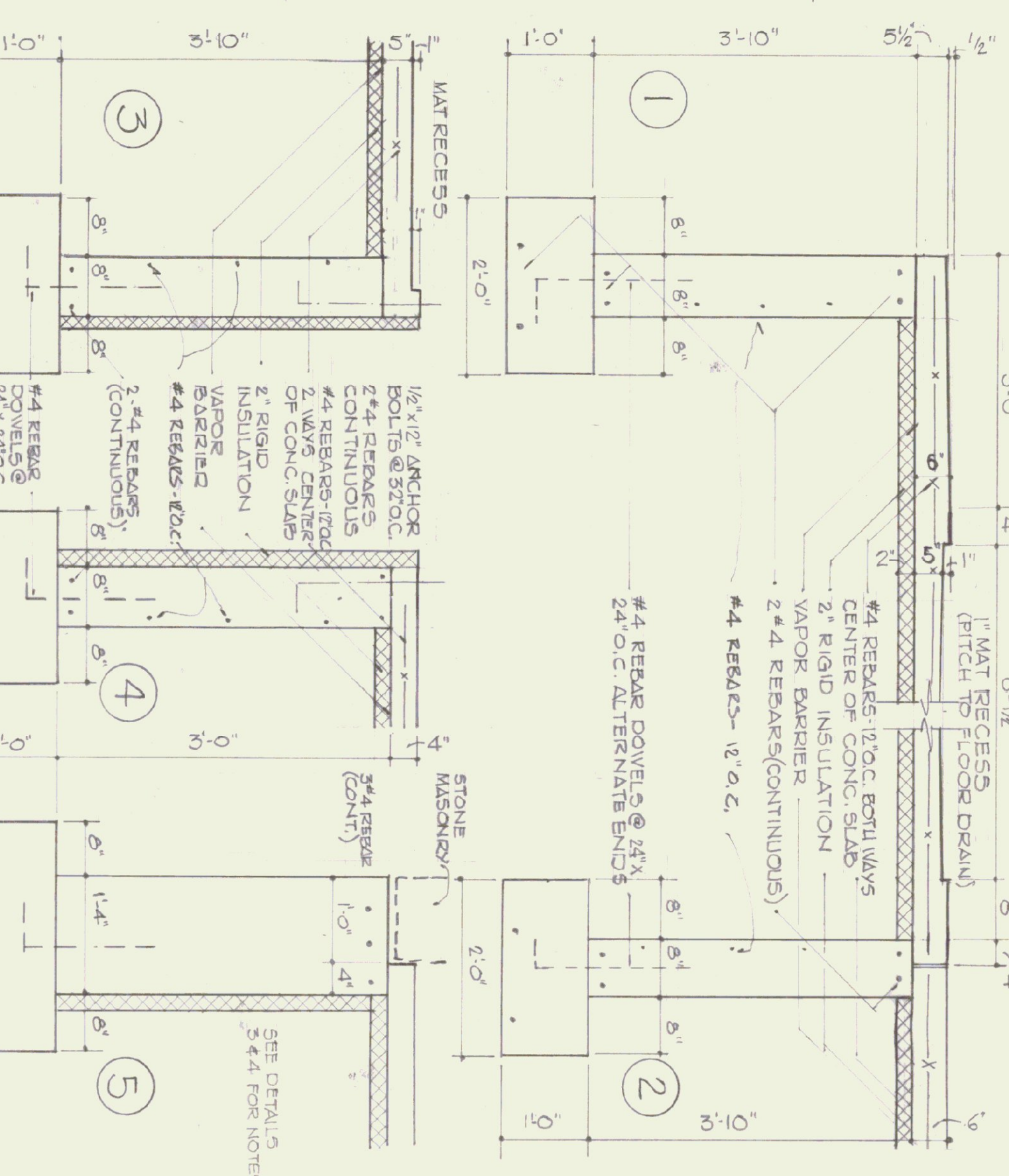
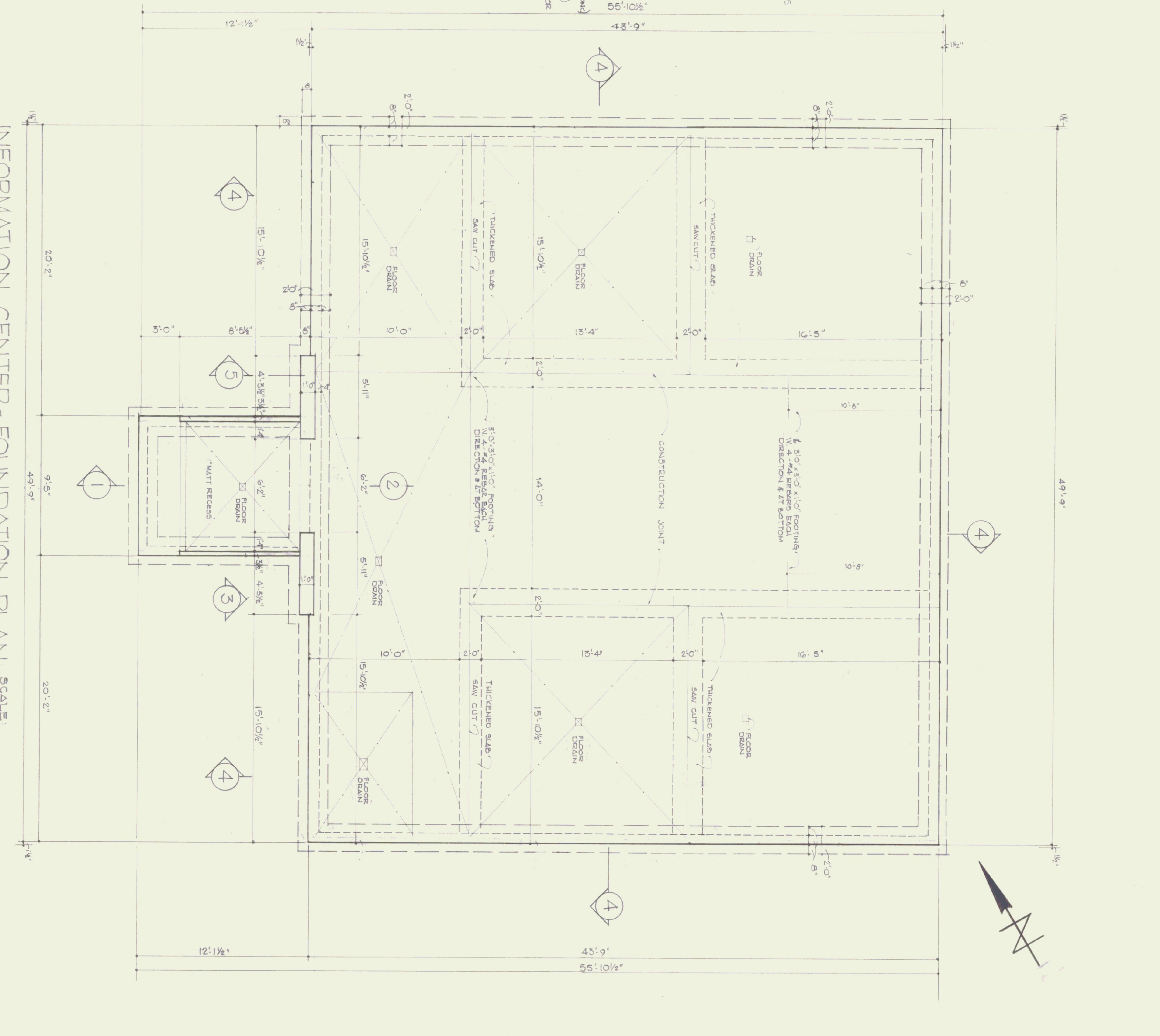


**CONCRETE CONSTRUCTION NOTES**

1. ALL CONCRETE DRAWINGS ARE TO BE USED IN CONJUNCTION WITH ALL OTHER PROJECT DRAWINGS SUCH AS SITE, ARCHITECTURAL, ELECTRICAL AND MECHANICAL BY ADDITIONAL MANUFACTURERS.
2. CONCRETE USED ON THE PROJECT SHALL BE NORMAL WEIGHT AND MEET THE REQUIREMENTS OF ACI 308.
3. CONCRETE SHALL BE MADE WITH TYPE I PORTLAND CEMENT, ASTM C 150. A MINIMUM OF 5 1/2 BAGS PER CUBIC YARD OF CONCRETE.
4. CONCRETE SHALL BE MADE WITH VIBRAE WATER. THE WATER-CEMENT RATIO IS TO BE 57 FOR ALL CONCRETE.
5. CONCRETE SHALL BE MADE WITH AGGREGATE TO MEET THE REQUIREMENTS OF ACI 308.
6. SLIP TO RANGE BETWEEN 1 INCHES AND 2 INCHES.
7. CONCRETE SHALL BE PLACED AND FINISHED TO MEET THE REQUIREMENTS OF ACI 308.
8. CONCRETE SHALL BE CURED WITH A WATER CURING AGENT MEETING THE REQUIREMENTS OF ASTM C 156 FOR USE ON CONCRETE SURFACES.
9. USE A FORM RELEASE OIL WHICH IS AN APPROVED NONTOXIC LIQUID.
10. REMOVE A DESIGN MIX WHICH MUST NOT BE MORE THAN 1 YEAR OLD AND MUST BE APPROVED BY THE ENGINEER FOR REUSE TO THE DESIGN MIX.
11. CONCRETE SHALL BE REMOVED, REPAIRED, REINFORCED, PLACED, CURED, ETC. TO MEET THE REQUIREMENTS OF THE DESIGN MIX.
12. THE LATEST PUBLICATIONS OF THE AMERICAN CONCRETE INSTITUTE ARE TO BE USED.



1. REINFORCING STEEL TO MEET ALL THE REQUIREMENTS OF ACI 308. ALL STEERING AND TIES TO BE DONE AS VARIOUS WERE SUBJECT TO MEET REQUIREMENTS OF ACI 308.
  2. REINFORCING STEEL SHALL BE SECRETLY TIED AND HELD IN PROPER PLACE BEFORE AND AFTER PLACING CONCRETE BY MEANS OF WIRE CHAIRS AND DIVIDERS. USE PLATE TIES TO HOLD STEEL IN PLACE.
  3. NO BARS SHALL BE CUT IN THE FIELD OR QUANTIFIED WITHOUT PRIOR APPROVAL OF THE ENGINEER.
  4. LAP ALL BARS IN BAR DIAMETERS UNLESS OTHERWISE SPECIFIED ON THE DRAWINGS.
  5. WHEN CONCRETE BARS ARE REQUIRED, BARS SHALL BE CONTINUOUSLY ARMED CONCRETE DOWN TO ANY INTERFERING WALLS AND LAPPED AT SLICES AS NOTED ABOVE.
  6. CONCRETE SHALL COVER THE REINFORCING STEEL PER FOLLOWING TABLE:
- | REINFORCING STEEL  | MINIMUM COVER  |
|--------------------|----------------|
| #4 BARS AND DOVELS | 2 1/2" MINIMUM |
| #4 BARS AND DOVELS | 2 1/2" MINIMUM |
| #4 BARS AND DOVELS | 2 1/2" MINIMUM |
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7. FOOTING ARE TO BE PLACED ON UNIMPROVED SOIL OR CONCRETE FOUNDATIONAL FILL. THE ELEVATION AS SHOWN ON THE PLANS. THESE ELEVATIONS MAY BE REVISED BY THE CONTRACTOR TO MEET THE ENGINEER'S INDEPENDENTLY OF ANY WEAR SOIL, HIGH WATER TABLE, OR OTHER CONDITIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND PERMITS SHALL BE OBTAINED UNDER SUPERVISOR'S SIGNATURE. PER SQUARE FOOT (SQ. FT.)
  8. THE CONTRACTOR SHALL NOTIFY ALL OTHER TRADES INVOLVED, BEFORE THE TO START WORK. ALL WORK SHALL BE VERIFIED BY THE CONTRACTOR BEFORE SETTING PERMITS OF SERVICES IN PLACE.



ARCHITECT: THOMAS B. LEYTHAM  
 50 STATE STREET MONTPELIER, VERMONT 05602  
 MECHANICAL/ELECTRICAL: AVENCO  
 89 S. MAIN STREET WATERBURY, VERMONT 05676  
 LANDSCAPE: THE CAVENDISH PARTNERSHIP  
 BOX 488 CAVENDISH, VERMONT 05442  
 STRUCTURAL: CHENETTE ENGINEERING  
 50 STATE STREET MONTPELIER, VERMONT 05602  
 GRAPHIC SYSTEMS: HUSTON & CO  
 BOX 1034 BURLINGTON, VERMONT 05401

**FOUNDATIONS  
 PLANS & DETAILS**

STATE OF VERMONT  
 DEPARTMENT OF STATE BUILDINGS  
 AGENCY OF ADMINISTRATION  
 VERMONT  
 BRADFORD I-91 NORTHBOUND  
 REST AREA REHABILITATION