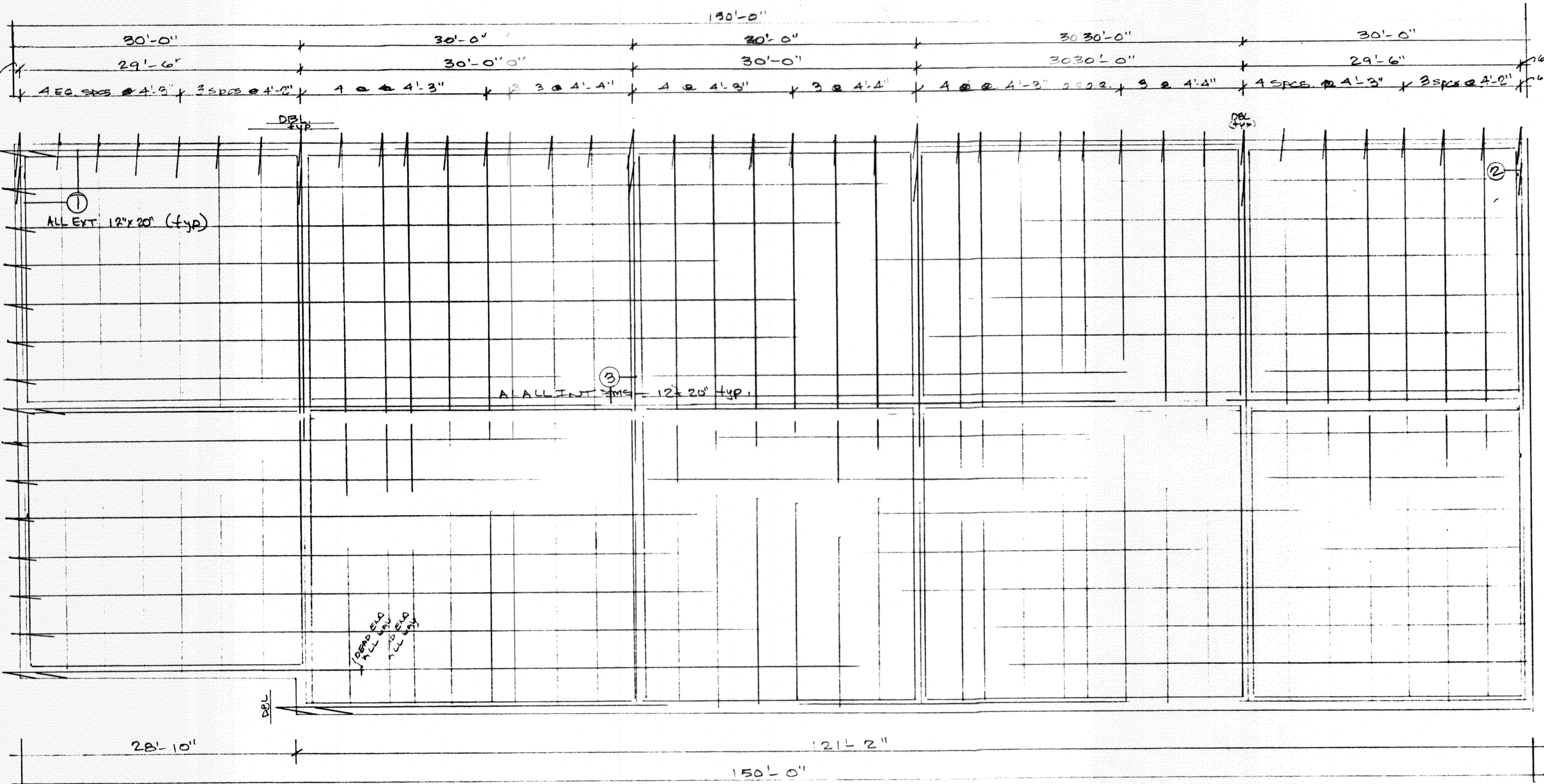


NEW HEAD START CENTER  
 DATE 2/2/90  
 STANLEY WOLLEN  
 0735-6928102



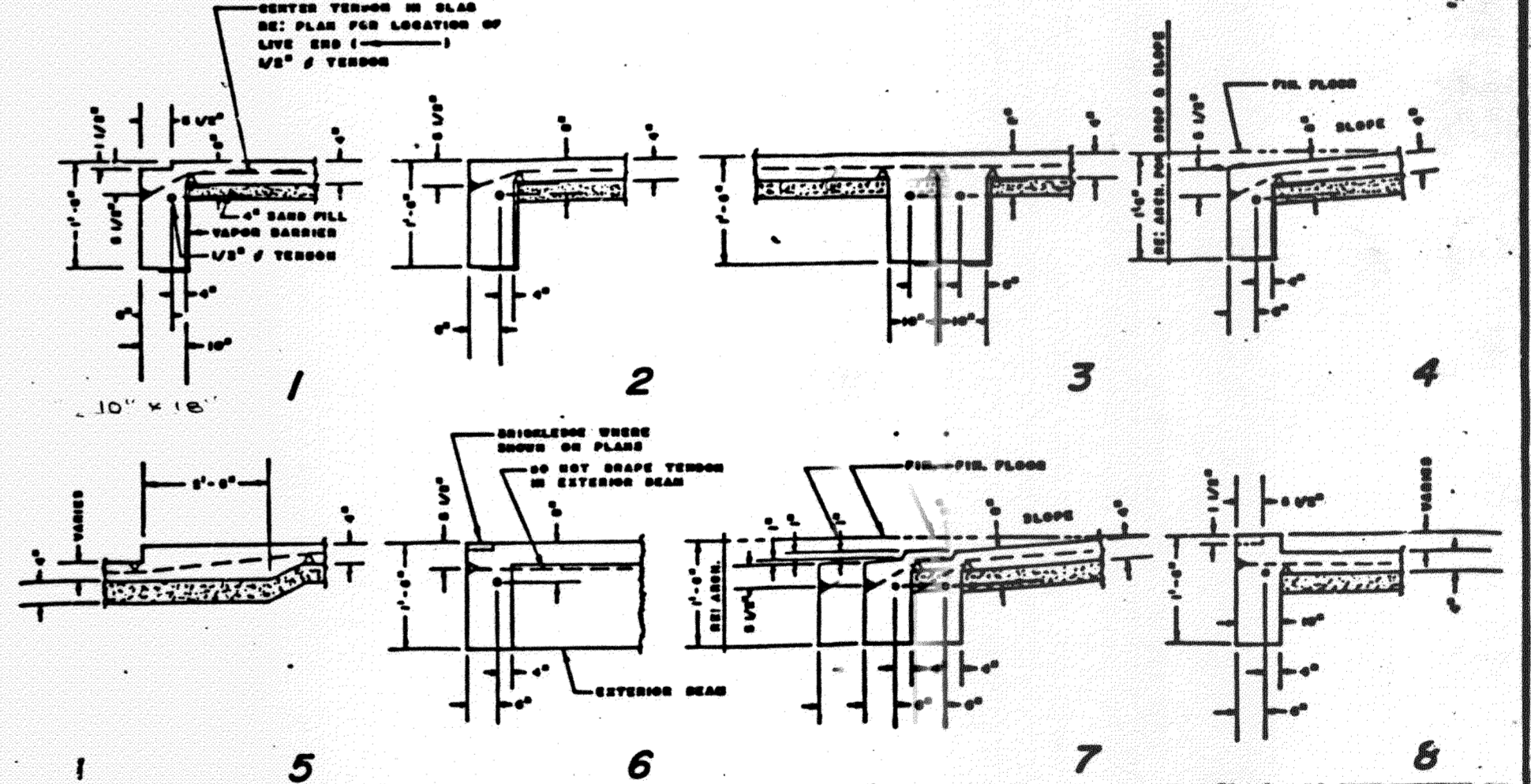
**Construction**

1. Fill under slabs shall be placed in compliance with the F.H.A. data sheet 79 G and/or the soils engineer's specifications for the fill and be certified by the soils engineer.
  2. 4 inch cushioned layer under the slab shall be as either pervious sand fill or granular fill.
  3. Beam dimensions shown are minimum required and may not be reduced nor enlarged without approval by the engineer.
  4. A 6 mil. vapor barrier of polyethylene shall be placed under all concrete under living area.
  5. Tendons and bars shall be securely supported to prevent both vertical and horizontal movement during placing of concrete.
  6. Allow 8" centered on tendon axis by 36" length for stressing equipment clearance.
  7. The tendon location at the end of grade beam to be as a minimum of 8" from the top of slab to central gravity of tendons.
  8. If tendon sheathing is damaged or removed for approximately 6" or more, it should be resheathed to prevent bonding of the concrete to the tendon.
  9. Concrete shall be well consolidated especially in the vicinity of tendon anchorages.
  10. All concrete in foundation beams and slabs shall have a minimum compressive strength of 2500 p.s.i. at 28 days and of least 1500 p.s.i. at the time of stressing. Concrete design mix shall be in accordance with the A.C.C.I. building code requirements. (ACI 318-71) Minimum cement to be 4 1/2 sacks per cubic yard.
  11. All prestressing steel shall consist of seven wire stress relieved strand conforming to ASTM A-416. Minimum ultimate tensile strength shall be 270,000 p.s.i. Strands shall be coated with a permanent rust preventative lubricant and a plastic sheath.
  12. The contractor shall verify all drops, off-sets, brick-lift-edges and block-outs on architectural plans and notify the engineer of any discrepancies that may exist.
  13. Plans for pipes, conduits, thimbles, etc., to pass through concrete slab or beam, must not conflict with reinforcing. Where a conflict occurs it is between tendons and reinforcing, tendon location is to take precedence.
  14. Coordinate structural drawings with architectural and mechanical drawings for all openings, inserts, and any other related items.
  15. Forms to be stripped no later than 6 days after placement of concrete.
  16. Tendons to be stressed no earlier than 6 days and no later than 14 days after placement of concrete.
17. THIS PLAN NOT FOR FORMS - FOR BMS & STRESSING ONLY!  
 18. CONCRETE MIN. 5.2 SACKS = 2000 PSI 28 DAYS DESIGN.  
 19. CONTRACTOR TO VERIFY ALL DROPS IN FIELD WITH SUBS!  
 Design

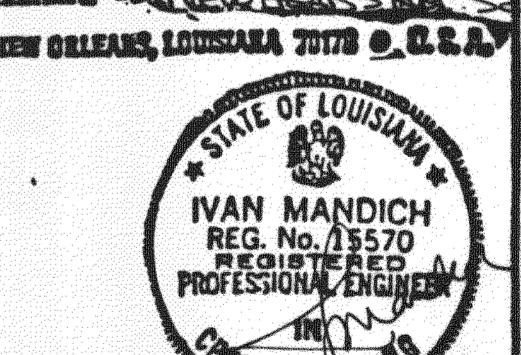
The foundation shown on this drawing has been designed using acceptable engineering practices and in accordance with the Criteria for Selection and Design of Residential slabs-on-grade (BRAB Report), the American Concrete Institute's Building Code requirements for reinforced concrete, and the Pre-stressed Concrete Institute's tentative specifications for Post-Tension materials to insure quality.

**Stressing**

- ① 1/2" tendon shall be anchored at 28.9k per strand, but shall be initially stressed to 33.0k per strand.
- ② 7/16" tendon shall be anchored at 21.7k per strand, but shall be initially stressed to 24.8k per strand.
- ③ 3/8" tendon shall be anchored at 16.1k per strand, but shall be initially stressed to 18.4k per strand.



THIS IS TO CERTIFY THAT THE SET OF DRAWINGS AND SPECIFICATIONS FOR THE FOUNDATION HAS BEEN PREPARED BY OR UNDER MY SUPERVISION AND, TO THE BEST OF MY KNOWLEDGE, COMPLY WITH CITY REQUIREMENTS AND THAT I AM (NOT) SUPERVISING THE WORK. MY QUALIFICATIONS INCLUDE A BACHELOR'S DEGREE IN CIVIL/STRUCTURAL ENGINEERING AND A MASTER'S DEGREE IN ARCHITECTURE.



BY: *Ivan Mandich*

4-19-90

HEAD START CENTER AIRPORT RD. SLIDELL, LA  
 DAMMON ENGINEERING, INC. 1095 FLORIDA AVE. SLIDELL, LA 70458

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